



Open Source Used In AppDynamics_ReactNative_Agent 23.5.0

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1.310 y18n 4.0.3

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1.311 asm-tree 6.0

1.312 onetime 5.1.2

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1.313 @babel/helper-plugin-utils 7.21.5

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1.314 define-properties 1.2.0

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1.315 regexp-prototype-flags 1.5.0

1.315.1 Available under license

1.316 @typescript-eslint/visitor-keys 3.10.1

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1.318 get-value 2.0.6

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1.319 find-up 3.0.0

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1.320 unicode-canonical-property-names-ecmascript 2.0.0

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1.321 on-headers 1.0.2

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1.322 @babel/plugin-transform-for-of 7.21.5

1.322.1 Available under license

1.323 prop-types 15.8.1

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1.324 @babel/plugin-transform-template-literals 7.18.9

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1.325 typedoc-default-themes 0.11.4

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1.327 color-name 1.1.3

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1.328 is-string 1.0.7

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1.329 @babel/plugin-syntax-logical-assignment-operators 7.10.4

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1.330 uglify-js 3.17.4

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1.331 ansi-colors 1.1.0

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1.333 @babel/plugin-proposal-json-strings 7.18.6

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1.335 object-visit 1.0.1

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1.336 safe-regex-test 1.0.0

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1.343 invariant 2.2.4

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1.344 path-parse 1.0.7

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1.345 is-path-inside 3.0.3

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- 1.346 type-check 0.4.0**
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- 1.348.1 Available under license
- 1.349 @babel/core 7.21.8**
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- 1.351 helloworld 0.0.1**
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- 1.354 @types/scheduler 0.16.3**
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- 1.355 map-visit 1.0.0**
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- 1.360 core-js-compat 3.30.1**
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- 1.361 destroy 1.2.0**
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- 1.362 @babel/plugin-transform-modules-amd 7.20.11**
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- 1.452 deep-is 0.1.4**
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- 1.453 @babel/plugin-transform-react-display-name 7.18.6**
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- 1.458 metro-react-native-babel-preset 0.59.0**
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1.480 which-boxed-primitive 1.0.2
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1.481 define-property 0.2.5
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- 1.483 @babel/helper-optimise-call-expression 7.18.6**
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- 1.488 typescript-eslint-typescript-estree 3.10.1**
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- 1.489 object.values 1.1.6**
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- 1.490 ansi-styles 3.2.1**
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- 1.491 @babel/plugin-transform-block-scoped-functions 7.18.6**
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- 1.492 jest-util 24.9.0**
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- 1.493 encoding 0.1.13**
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- 1.498 is-number-object 1.0.7**
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- 1.499 cli-spinners 2.9.0**
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- 1.500 @babel/plugin-transform-react-jsx-development 7.18.6**
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- 1.501 webidl-conversions 3.0.1**

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- 1.508 is-weakref 1.0.2**
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- 1.509 jest-haste-map 24.9.0**
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- 1.513 iconv-lite 0.6.3**
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- 1.514 @commitlint/execute-rule 11.0.0**
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- 1.516 types-yargs 15.0.15**
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- 1.517 base 0.11.2**
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1.528 assign-symbols 1.0.0

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1.529 eslint-visitor-keys 1.3.0

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1.555 @babel/helper-validator-option 7.21.0
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1.572 electron-to-chromium 1.4.380

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1.582 clean-stack 2.2.0
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1.584 npm-run-path 4.0.1
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1.616 jsesc 2.5.2

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1.617 is-buffer 1.1.6

1.617.1 Available under license

1.618 use-subscription 1.8.0

1.618.1 Available under license
1.619 require-main-filename 2.0.0
1.619.1 Available under license
1.620 flat-cache 3.0.4
1.620.1 Available under license
1.621 bser 2.1.1
1.621.1 Available under license
1.622 @babel/plugin-proposal-private-property-in-object 7.21.0
1.622.1 Available under license
1.623 class-utils 0.3.6
1.623.1 Available under license
1.624 jest-get-type 24.9.0
1.624.1 Available under license
1.625 array-ify 1.0.0
1.625.1 Available under license
1.626 available-typed-arrays 1.0.5
1.626.1 Available under license
1.627 etag 1.8.1
1.627.1 Available under license
1.628 pascalcase 0.1.1
1.628.1 Available under license
1.629 ws 7.5.9
1.629.1 Available under license
1.630 send 0.18.0
1.630.1 Available under license
1.631 @babel/plugin-syntax-optional-catch-binding 7.8.3
1.631.1 Available under license
1.632 http-errors 2.0.0
1.632.1 Available under license
1.633 babel-plugin-polyfill-corejs3 0.6.0
1.633.1 Available under license
1.634 babel-plugin-transform-runtime 7.21.4
1.634.1 Available under license
1.635 shell-quote 1.6.1
1.635.1 Available under license
1.636 react-devtools-core 4.27.6
1.636.1 Available under license
1.637 end-of-stream 1.4.4
1.637.1 Available under license

1.638 locate-path 6.0.0

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1.639 espreex 7.3.1

1.639.1 Available under license

1.640 scheduler 0.19.1

1.640.1 Available under license

1.641 color-convert 1.9.3

1.641.1 Available under license

1.642 functions-have-names 1.2.3

1.642.1 Available under license

1.643 node-fetch 1.7.3

1.643.1 Available under license

1.644 mylib 0.0.0

1.644.1 Available under license

1.645 @babel/plugin-syntax-json-strings 7.8.3

1.645.1 Available under license

1.646 types-istanbul-reports 1.1.2

1.646.1 Available under license

1.647 tslib 1.14.1

1.647.1 Available under license

1.648 @babel/helpers 7.21.5

1.648.1 Available under license

1.649 stacktrace-parser 0.1.10

1.649.1 Available under license

1.650 @babel/plugin-proposal-optional-catch-binding 7.18.6

1.650.1 Available under license

1.651 pkg-dir 3.0.0

1.651.1 Available under license

1.652 @babel/plugin-transform-literals 7.18.9

1.652.1 Available under license

1.653 eslint-plugin-react-hooks 4.6.0

1.653.1 Available under license

1.654 has-value 0.3.1

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1.655 snapdragon-node 2.1.1

1.655.1 Available under license

1.656 estraverse 4.3.0

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1.657 arrify 1.0.1

- 1.657.1 Available under license
- 1.658 type-fest 0.6.0**
- 1.658.1 Available under license
- 1.659 eslint 7.32.0**
- 1.659.1 Available under license
- 1.660 shebang-regex 3.0.0**
- 1.660.1 Available under license
- 1.661 to-regex-range 2.1.1**
- 1.661.1 Available under license
- 1.662 babel-plugin-syntax-flow 7.21.4**
- 1.662.1 Available under license
- 1.663 is-core-module 2.12.0**
- 1.663.1 Available under license
- 1.664 types-istanbul-lib-report 3.0.0**
- 1.664.1 Available under license
- 1.665 run-parallel 1.2.0**
- 1.665.1 Available under license
- 1.666 @babel/plugin-proposal-object-rest-spread 7.20.7**
- 1.666.1 Available under license
- 1.667 shallow-clone 3.0.1**
- 1.667.1 Available under license
- 1.668 asap 2.0.6**
- 1.668.1 Available under license
- 1.669 minimist-options 4.1.0**
- 1.669.1 Available under license
- 1.670 @babel/plugin-proposal-class-properties 7.18.6**
- 1.670.1 Available under license
- 1.671 cross-spawn 6.0.5**
- 1.671.1 Available under license
- 1.672 clone 1.0.4**
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- 1.673 repeat-string 1.6.1**
- 1.673.1 Available under license
- 1.674 atob 2.1.2**
- 1.674.1 Available under license
- 1.675 jest-source-map 24.9.0**
- 1.675.1 Available under license
- 1.676 color-name 1.1.4**
- 1.676.1 Available under license

- 1.677 @commitlint/rules 11.0.0**
 - 1.677.1 Available under license
- 1.678 supports-color 7.2.0**
 - 1.678.1 Available under license
- 1.679 define-property 1.0.0**
 - 1.679.1 Available under license
- 1.680 @commitlint/ensure 11.0.0**
 - 1.680.1 Available under license
- 1.681 @commitlint/read 11.0.0**
 - 1.681.1 Available under license
- 1.682 p-locate 5.0.0**
 - 1.682.1 Available under license
- 1.683 fsevents 1.2.13**
 - 1.683.1 Available under license
- 1.684 @humanwhocodes/object-schema 1.2.1**
 - 1.684.1 Available under license
- 1.685 unicode-match-property-value-ecmascript 2.1.0**
 - 1.685.1 Available under license
- 1.686 uuid 3.4.0**
 - 1.686.1 Available under license
- 1.687 stream-buffers 2.2.0**
 - 1.687.1 Available under license
- 1.688 prompts 2.4.2**
 - 1.688.1 Available under license
- 1.689 @babel/plugin-transform-arrow-functions 7.21.5**
 - 1.689.1 Available under license
- 1.690 encodeurl 1.0.2**
 - 1.690.1 Available under license
- 1.691 is-stream 1.1.0**
 - 1.691.1 Available under license
- 1.692 babel-preset-typescript 7.21.5**
 - 1.692.1 Available under license
- 1.693 @babel/plugin-syntax-object-rest-spread 7.8.3**
 - 1.693.1 Available under license
- 1.694 is-relative 1.0.0**
 - 1.694.1 Available under license
- 1.695 core-js 2.6.12**
 - 1.695.1 Available under license
- 1.696 ua-parser-js 0.7.35**

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1.697 is-accessor-descriptor 1.0.0
1.697.1 Available under license
1.698 update-browserslist-db 1.0.11
1.698.1 Available under license
1.699 arr-diff 1.1.0
1.699.1 Available under license
1.700 rx-lite-aggregates 4.0.8
1.700.1 Available under license
1.701 array-reduce 0.0.0
1.701.1 Available under license
1.702 @commitlint/resolve-extends 11.0.0
1.702.1 Available under license
1.703 component-emitter 1.3.0
1.703.1 Available under license
1.704 mime-db 1.52.0
1.704.1 Available under license
1.705 kotlin 1.3.60-release-155
1.705.1 Available under license
1.706 quick-lru 4.0.1
1.706.1 Available under license
1.707 type-fest 0.20.2
1.707.1 Available under license
1.708 is-stream 2.0.1
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1.709 handlebarsjs 4.7.7
1.709.1 Available under license
1.710 bytes 3.0.0
1.710.1 Available under license
1.711 has-bigints 1.0.2
1.711.1 Available under license
1.712 nullthrows 1.1.1
1.712.1 Available under license
1.713 has-flag 3.0.0
1.713.1 Available under license
1.714 wewidth 1.0.1
1.714.1 Available under license
1.715 jsx-ast-utils 3.3.3
1.715.1 Available under license

1.716 word-wrap 1.2.3

1.716.1 Available under license

1.717 debug 4.3.4

1.717.1 Available under license

1.718 makeerror 1.0.12

1.718.1 Available under license

1.719 mime 1.6.0

1.719.1 Available under license

1.720 @babel/helper-environment-visitor 7.21.5

1.720.1 Available under license

1.721 statuses 2.0.1

1.721.1 Available under license

1.722 my-scope-package-a 0.0.0

1.722.1 Available under license

1.723 es-shim-unscopables 1.0.0

1.723.1 Available under license

1.724 finalhandler 1.1.2

1.724.1 Available under license

1.725 require-from-string 2.0.2

1.725.1 Available under license

1.726 binutils 3.21.0

1.726.1 Available under license

1.727 pod-install 0.1.38

1.727.1 Available under license

1.728 hard-rejection 2.1.0

1.728.1 Available under license

1.729 inflight 1.0.6

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1.730 visual-studio-runtime 14.26.28720.3

1.730.1 Available under license

1.731 jest-message-util 24.9.0

1.731.1 Available under license

1.732 dir-glob 3.0.1

1.732.1 Available under license

1.733 has-symbols 1.0.3

1.733.1 Available under license

1.734 micromatch 4.0.5

1.734.1 Available under license

1.735 string-width 2.1.1

- 1.735.1 Available under license
- 1.736 is-descriptor 1.0.2**
 - 1.736.1 Available under license
- 1.737 @commitlint/top-level 11.0.0**
 - 1.737.1 Available under license
- 1.738 @babel/plugin-transform-exponentiation-operator 7.18.6**
 - 1.738.1 Available under license
- 1.739 accepts 1.3.8**
 - 1.739.1 Available under license
- 1.740 types-yargs 13.0.12**
 - 1.740.1 Available under license
- 1.741 spdx-exceptions 2.3.0**
 - 1.741.1 Available under license
- 1.742 @types/parse-json 4.0.0**
 - 1.742.1 Available under license
- 1.743 has-tostringtag 1.0.0**
 - 1.743.1 Available under license
- 1.744 eslint-config-prettier 6.15.0**
 - 1.744.1 Available under license
- 1.745 to-object-path 0.3.0**
 - 1.745.1 Available under license
- 1.746 async 2.6.4**
 - 1.746.1 Available under license
- 1.747 @babel/plugin-syntax-class-static-block 7.14.5**
 - 1.747.1 Available under license
- 1.748 q 1.5.1**
 - 1.748.1 Available under license
- 1.749 ansi-styles 4.3.0**
 - 1.749.1 Available under license
- 1.750 ignore 5.2.4**
 - 1.750.1 Available under license
- 1.751 sprintf-js 1.0.3**
 - 1.751.1 Available under license
- 1.752 which-typed-array 1.1.9**
 - 1.752.1 Available under license
- 1.753 is-ci 2.0.0**
 - 1.753.1 Available under license
- 1.754 defaults 1.0.4**
 - 1.754.1 Available under license

1.755 @babel/plugin-transform-unicode-regex 7.18.6

1.755.1 Available under license

1.756 git-raw-commits 2.0.11

1.756.1 Available under license

1.757 del 6.1.1

1.757.1 Available under license

1.758 internal-slot 1.0.5

1.758.1 Available under license

1.759 strip-json-comments 3.1.1

1.759.1 Available under license

1.760 js-tokens 4.0.0

1.760.1 Available under license

1.761 ob1 0.59.0

1.761.1 Available under license

1.762 open 6.4.0

1.762.1 Available under license

1.763 doctrine 3.0.0

1.763.1 Available under license

1.764 locate-path 5.0.0

1.764.1 Available under license

1.765 yargs-parser 21.1.1

1.765.1 Available under license

1.766 metro-babel-register 0.59.0

1.766.1 Available under license

1.767 micromatch 3.1.10

1.767.1 Available under license

1.768 react-animated 0.1.0

1.768.1 Available under license

1.769 es-set-tostringtag 2.0.1

1.769.1 Available under license

1.770 braces 2.3.2

1.770.1 Available under license

1.771 spdx-license-ids 3.0.13

1.771.1 Available under license

1.772 yargs 15.4.1

1.772.1 Available under license

1.773 husky 6.0.0

1.773.1 Available under license

1.774 @babel/plugin-transform-typeof-symbol 7.18.9

1.774.1 Available under license

1.775 to-regexp-range 5.0.1

1.775.1 Available under license

1.776 ansi-colors 4.1.3

1.776.1 Available under license

1.777 jest-serializer 24.9.0

1.777.1 Available under license

1.778 typescript-eslint-experimental-utils 3.10.1

1.778.1 Available under license

1.779 glob 7.2.3

1.779.1 Available under license

1.780 error-stack-parser 2.1.4

1.780.1 Available under license

1.781 caniuse-lite 1.0.30001482

1.781.1 Available under license

1.782 babel-plugin-transform-typescript 7.21.3

1.782.1 Available under license

1.783 babel-eslint 10.1.0

1.783.1 Available under license

1.784 normalize-package-data 3.0.3

1.784.1 Available under license

1.785 side-channel 1.0.4

1.785.1 Available under license

1.786 through2 2.0.5

1.786.1 Available under license

1.787 lines-and-columns 1.2.4

1.787.1 Available under license

1.788 prettier 2.8.8

1.788.1 Available under license

1.789 babel-plugin-transform-reserved-words 7.18.6

1.789.1 Available under license

1.790 @babel/plugin-syntax-export-default-from 7.18.6

1.790.1 Available under license

1.791 ultron 1.0.2

1.791.1 Available under license

1.792 opencollective-postinstall 2.0.3

1.792.1 Available under license

1.793 lru-cache 4.1.5

1.793.1 Available under license

1.794 find-up 5.0.0

1.794.1 Available under license

1.795 hosted-git-info 4.1.0

1.795.1 Available under license

1.796 resolve-global 1.0.0

1.796.1 Available under license

1.797 for-each 0.3.3

1.797.1 Available under license

1.798 typescript-eslint-parser 3.10.1

1.798.1 Available under license

1.799 is-descriptor 0.1.6

1.799.1 Available under license

1.800 chardet 0.4.2

1.800.1 Available under license

1.801 color-support 1.1.3

1.801.1 Available under license

1.802 @babel/compat-data 7.21.7

1.802.1 Available under license

1.803 @types/react-native 0.62.13

1.803.1 Available under license

1.804 fs.realpath 1.0.0

1.804.1 Available under license

1.805 hapi-hoek 8.5.1

1.805.1 Available under license

1.806 @babel/helper-module-transforms 7.21.5

1.806.1 Available under license

1.807 compression 1.7.4

1.807.1 Available under license

1.808 capture-exit 2.0.0

1.808.1 Available under license

1.809 use-sync-external-store 1.2.0

1.809.1 Available under license

1.810 fill-range 7.0.1

1.810.1 Available under license

1.811 merge2 1.4.1

1.811.1 Available under license

1.812 to-fast-properties 2.0.0

1.812.1 Available under license

1.813 command-exists 1.2.9

1.813.1 Available under license

1.814 onetime 2.0.1

1.814.1 Available under license

1.815 time-stamp 1.1.0

1.815.1 Available under license

1.816 @babel/code-frame 7.12.11

1.816.1 Available under license

1.817 jdom 2.0.6

1.817.1 Available under license

1.818 resolve 1.22.2

1.818.1 Available under license

1.819 @babel/plugin-transform-react-jsx-self 7.21.0

1.819.1 Available under license

1.820 libcxx 8.0.7svn

1.820.1 Available under license

1.821 klaw 1.3.1

1.821.1 Available under license

1.822 regenerator-transform 0.15.1

1.822.1 Available under license

1.823 react-native-builder-bob 0.18.3

1.823.1 Available under license

1.824 get-stream 4.1.0

1.824.1 Available under license

1.825 @react-native-community/eslint-config 2.0.0

1.825.1 Available under license

1.826 emoji-regex 8.0.0

1.826.1 Available under license

1.827 typed-array-length 1.0.4

1.827.1 Available under license

1.828 semver 7.5.0

1.828.1 Available under license

1.829 @react-native-community/cli 4.14.0

1.829.1 Available under license

1.830 array-union 2.1.0

1.830.1 Available under license

1.831 jsonfile 2.4.0

1.831.1 Available under license

1.832 ansi-fragments 0.2.1

1.832.1 Available under license

1.833 @babel/plugin-transform-react-jsx 7.21.5

1.833.1 Available under license

1.834 @babel/plugin-bugfix-v8-spread-parameters-in-optional-chaining 7.20.7

1.834.1 Available under license

1.835 temp 0.8.3

1.835.1 Available under license

1.836 jsc-android 245459.0.0

1.836.1 Available under license

1.837 acorn 7.4.1

1.837.1 Available under license

1.838 string-prototype-trimend 1.0.6

1.838.1 Available under license

1.839 dargs 7.0.0

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1.840 flatted 3.2.7

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1.841 annotations 13.0

1.842 pseudomap 1.0.2

1.842.1 Available under license

1.843 at-least-node 1.0.0

1.843.1 Available under license

1.844 arr-flatten 1.1.0

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1.845 wrap-ansi 5.1.0

1.845.1 Available under license

1.846 has-proto 1.0.1

1.846.1 Available under license

1.847 readable-stream 3.6.2

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1.848 @babel/code-frame 7.21.4

1.848.1 Available under license

1.849 iconv-lite 0.4.24

1.849.1 Available under license

1.850 toidentifier 1.0.1

1.850.1 Available under license

1.851 strip-final-newline 2.0.0

1.851.1 Available under license

1.852 get-stream 5.2.0

1.852.1 Available under license

1.853 @humanwhocodes/config-array 0.5.0

1.853.1 Available under license

1.854 is-unc-path 1.0.0

1.854.1 Available under license

1.855 @babel/plugin-syntax-async-generators 7.8.4

1.855.1 Available under license

1.856 @babel/plugin-transform-parameters 7.21.3

1.856.1 Available under license

1.857 ms 2.1.2

1.857.1 Available under license

1.858 path-key 3.1.1

1.858.1 Available under license

1.859 isomorphic-fetch 2.2.1

1.859.1 Available under license

1.860 es-abstract 1.21.2

1.860.1 Available under license

1.861 @jridgewell/trace-mapping 0.3.18

1.861.1 Available under license

1.862 vary 1.1.2

1.862.1 Available under license

1.863 @babel/helper-function-name 7.21.0

1.863.1 Available under license

1.864 @babel/plugin-proposal-logical-assignment-operators 7.20.7

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1.865 is-obj 2.0.0

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1.866 define-property 2.0.2

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1.867 simple-plist 1.3.1

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1.868 object-inspect 1.12.3

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1.869 sane 4.1.0

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1.870 tr46 0.0.3

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1.871 json-stream 1.3.5

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1.872 @babel/plugin-transform-spread 7.20.7

1.872.1 Available under license
1.873 fast-json-stable-stringify 2.1.0
1.873.1 Available under license
1.874 validate-npm-package-license 3.0.4
1.874.1 Available under license
1.875 @babel/helper-annotate-as-pure 7.18.6
1.875.1 Available under license
1.876 lodash-truncate 4.4.2
1.876.1 Available under license
1.877 @types/prop-types 15.7.5
1.877.1 Available under license
1.878 tmp 1.0.5
1.878.1 Available under license
1.879 esquery 1.5.0
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1.881 @babel/template 7.20.7
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1.885 @babel/traverse 7.21.5
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1.886 object-assign 4.1.1
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1.890 stack-utils 1.0.5
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1.891 resolve-url 0.2.1
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- 1.892 @babel/runtime 7.21.5**
 - 1.892.1 Available under license
- 1.893 @babel/plugin-transform-modules-umd 7.18.6**
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- 1.894 get-intrinsic 1.2.0**
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- 1.895 human-signals 1.1.1**
 - 1.895.1 Available under license
- 1.896 decamelize 1.2.0**
 - 1.896.1 Available under license
- 1.897 is-directory 0.3.1**
 - 1.897.1 Available under license
- 1.898 function.prototype.name 1.1.5**
 - 1.898.1 Available under license
- 1.899 metro-cache 0.59.0**
 - 1.899.1 Available under license
- 1.900 wrappy 1.0.2**
 - 1.900.1 Available under license
- 1.901 eslint-scope 5.1.1**
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- 1.902 is-text-path 1.0.1**
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- 1.903 colorette 1.4.0**
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- 1.904 log-symbols 2.2.0**
 - 1.904.1 Available under license
- 1.905 has-values 1.0.0**
 - 1.905.1 Available under license
- 1.906 connect 3.7.0**
 - 1.906.1 Available under license
- 1.907 urix 0.1.0**
 - 1.907.1 Available under license
- 1.908 whatwg-fetch 3.6.2**
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- 1.909 spdx-expression-parse 3.0.1**
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- 1.910 kleur 4.1.5**
 - 1.910.1 Available under license
- 1.911 deepmerge 3.3.0**

- 1.911.1 Available under license
- 1.912 @babel/plugin-syntax-jsx 7.21.4**
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- 1.913 isarray 1.0.0**
 - 1.913.1 Available under license
- 1.914 @babel/plugin-syntax-dynamic-import 7.8.3**
 - 1.914.1 Available under license
- 1.915 @react-native-community/cli-hermes 4.13.0**
 - 1.915.1 Available under license
- 1.916 metro-minify-uglify 0.59.0**
 - 1.916.1 Available under license
- 1.917 shebang-command 2.0.0**
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- 1.918 buffer-crc32 0.2.13**
 - 1.918.1 Available under license
- 1.919 doctrine 2.1.0**
 - 1.919.1 Available under license
- 1.920 arr-union 2.1.0**
 - 1.920.1 Available under license
- 1.921 babel-plugin-syntax-trailing-function-commas 7.0.0-beta.0**
 - 1.921.1 Available under license
- 1.922 @babel/plugin-proposal-export-default-from 7.18.10**
 - 1.922.1 Available under license
- 1.923 bindings 1.5.0**
 - 1.923.1 Available under license
- 1.924 is-arrayish 0.2.1**
 - 1.924.1 Available under license
- 1.925 core-util-is 1.0.3**
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- 1.926 external-editor 2.2.0**
 - 1.926.1 Available under license
- 1.927 source-map 0.7.4**
 - 1.927.1 Available under license
- 1.928 @types/normalize-package-data 2.4.1**
 - 1.928.1 Available under license
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1.3 @babel/plugin-transform-react-jsx-source

7.19.6

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1.4 normalize-package-data 2.5.0

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1.5 walker 1.0.8

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1.6 is-array-buffer 3.0.2

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1.7 @babel/helper-hoist-variables 7.18.6

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1.8 text-table 0.2.0

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1.9 global-dirs 0.1.1

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1.10 process-nextick-args 2.0.1

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1.11 js-yaml 3.14.1

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1.12 ansi-regex 5.0.1

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1.13 nocache 2.1.0

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1.14 @react-native-community/eslint-plugin

1.3.0

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```
*
```

```
* @format
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1653802190_1682447959.4138076/0/eslint-plugin-1-3-0-1-tgz/package/platform-colors.js
```

```
* /opt/cola/permits/1653802190_1682447959.4138076/0/eslint-plugin-1-3-0-1-tgz/package/index.js
```

```
* /opt/cola/permits/1653802190_1682447959.4138076/0/eslint-plugin-1-3-0-1-tgz/package/__tests__/eslint-tester.js
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```
*
```

```
* @format
```

```
* @oncall react_native
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1653802190_1682447959.4138076/0/eslint-plugin-1-3-0-1-tgz/package/__tests__/platform-colors-test.js
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1.15 @react-native-community/cli-debugger-ui 4.13.1

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1.16 @ampproject/remapping 2.2.1

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1.18 caller-callsite 2.0.0

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1.19 cli-width 2.2.1

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1.20 cnakazawa-watch 1.0.4

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1.21 resolve-from 5.0.0

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1.22 types-yargs-parser 21.0.0

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1.23 object.fromentries 2.0.6

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1.24 source-map-url 0.4.1

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1.25 is-typed-array 1.1.10

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1.26 parse-json 4.0.0

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1.27 json5 2.2.3

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1.28 acorn-jsx 5.3.2

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1.29 require-directory 2.1.1

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1.30 stackframe 1.3.4

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1.31 static-extend 0.1.2

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1.32 prettier-linter-helpers 1.0.0

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1.33 split2 3.2.2

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1.34 babel-plugin-syntax-optional-chaining

7.8.3

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1.35 @eslint/eslintrc 0.4.3

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1.36 indent-string 4.0.0

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1.37 @babel/plugin-transform-named-capturing-groups-regex 7.20.5

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1.38 @babel/parser 7.21.8

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1.39 ansi-cyan 0.1.1

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1.40 eslint-plugin-jest 22.4.1

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1.41 array-map 0.0.1

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1.42 hapi-address 2.1.4

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1.43 @babel/plugin-transform-async-to-generator 7.20.7

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1.44 concat-map 0.0.1

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1.45 @babel/preset-env 7.21.5

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1.46 xmldoc 1.3.0

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1.47 use 3.1.1

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1.48 unbox-primitive 1.0.2

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1.49 @babel/preset-modules 0.1.5

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1.50 make-dir 2.1.0

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1.51 sax 1.2.4

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1.52 object-keys 1.1.1

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1.53 brace-expansion 2.0.1

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1.54 metro-babel-transformer 0.59.0

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 * @format
 */
```

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1.55 libcxxabi 8.0.7svn

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1.56 array-buffer-byte-length 1.0.0

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1.57 types-json-schema 7.0.11

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1.58 mimic-fn 2.1.0

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1.59 ret 0.1.15

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1.60 merge-stream 2.0.0

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1.61 array-includes 3.1.6

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1.62 ajv 6.12.6

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1.63 serialize-error 2.1.0

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1.64 @babel/preset-react 7.18.6

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1.65 big-integer 1.6.51

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1.67 babel-register 7.21.0

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1.68 source-map 0.5.7

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1.69 strip-ansi 6.0.1

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1.70 json-parse-better-errors 1.0.2

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1.73 regenerator-runtime 0.13.11

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1.74 for-in 1.0.2

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1.75 monorepo-symlink-test 0.0.0

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1.76 p-try 2.2.0

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1.77 regexpp 3.2.0

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1.78 path-type 4.0.0

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1.79 ajv 8.12.0

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1.80 @babel/helper-wrap-function 7.20.5

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1.81 dedent 0.7.0

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1.82 jest-types 24.9.0

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1.83 @commitlint/load 11.0.0

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1.84 jest-console 24.9.0

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1.85 @babel/plugin-syntax-import-meta 7.10.4

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1.86 jest-types 25.5.0

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1.87 browserslist 4.21.5

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1.88 is-path-cwd 2.2.0

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1.89 decamelize-keys 1.1.1

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1.90 posix-character-classes 0.1.1

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1.91 react 16.13.1

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1.92 graceful-fs 4.2.11

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1.93 extend-shallow 3.0.2

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1.94 normalize-path 2.1.1

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1.95 concat-stream 1.6.2

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1.96 cross-spawn 5.1.0

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1.97 @babel/plugin-transform-react-pure-annotations 7.18.6

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1.98 is-symbol 1.0.4

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1.100 remove-trailing-separator 1.1.0

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1.101 isobject 2.1.0

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1.102 esprima 4.0.1

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1.103 babel-plugin-proposal-optional-chaining 7.21.0

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1.104 eslint-utils 2.1.0

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1.105 @babel/helper-replace-supers 7.21.5

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1.106 @babel/plugin-proposal-private-methods 7.18.6

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1.107 prelude-Is 1.2.1

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1.108 @react-native-community/cli-platform-android 4.13.0

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1.109 json-stable-stringify-without-jsonify

1.0.1

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1.110 csstype 3.1.2

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1.111 @babel/plugin-transform-function-name 7.18.9

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1.112 shelljs 0.8.5

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1.113 conventional-changelog-angular 5.0.13

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1.114 y18n 5.0.8

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1.115 array-prototype-flatmap 1.3.1

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1.116 set-value 2.0.1

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1.117 readable-stream 2.3.8

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1.118 core-js 3.30.1

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1.119 plcrashreporter 1.10.1

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1.121 parse-node-version 1.0.1

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1.122 @babel/plugin-transform-classes 7.21.0

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1.125 collection-visit 1.0.0

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1.126 astral-regex 2.0.0

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1.127 cache-base 1.0.1

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1.128 universalify 0.1.2

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1.129 ansi-gray 0.1.1

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1.130 react-refresh 0.4.3

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1.131 @commitlint/message 11.0.0

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1.132 Iru-cache 5.1.1

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1.133 babel-plugin-transform-property-literals

7.18.6

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1.134 plist 3.0.6

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1.135 camelcase-keys 6.2.2

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1.136 xmlbuilder 15.1.1

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1.137 @babel/helper-remap-async-to-generator 7.18.9

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1.138 ansi-regex 3.0.1

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1.139 util-deprecate 1.0.2

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1.142 @babel/plugin-proposal-class-static-block 7.21.0

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1.143 run-async 2.4.1

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1.144 ini 1.3.8

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1.145 os-tmpdir 1.0.2

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1.146 metro 0.59.0

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1.147 @babel/preset-flow 7.21.4

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1.148 reusify 1.0.4

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1.149 abort-controller 3.0.0

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1.150 rimraf 2.7.1

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1.151 fragment-cache 0.2.1

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1.152 resolve 2.0.0-next.4

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1.153 parent-module 1.0.1

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1.167 sisteransi 1.0.5

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1.168 gensync 1.0.0-beta.2

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1.170 string-width 4.2.3

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1.171 babel-plugin-polyfill-regenerator 0.4.1

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1.181 typedarray 0.0.6

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*/

// Original can be found at:

// <https://bitbucket.org/lindenlab/llsd>

// Modifications by Joshua Bell inexorable@lindenlab.com

// <https://github.com/inexorable/polyfill>

```
// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01
//
// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])
```

1.182 uri-js 4.4.1

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1.183 base64-js 1.5.1

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1.184 compressible 2.0.18

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1.185 cosmiconfig 5.2.1

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1.186 mkdirp 0.5.6

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1.187 object.entries 1.1.6

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1.188 arr-union 3.1.0

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1.189 logkitty 0.7.1

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1.190 @babel/helper-builder-binary-assignment-operator-visitor 7.21.5

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1.191 regenerate-unicode-properties 10.1.0

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1.192 @babel/helper-string-parser 7.21.5

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1.193 hosted-git-info 2.8.9

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1.194 which 1.3.1

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1.195 typescript-eslint-eslint-plugin 3.10.1

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1.196 unicode-property-aliases-ecmascript

2.1.0

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1.197 table 6.8.1

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1.198 serve-static 1.15.0

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1.199 eslint-plugin-react 7.32.2

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1.200 @babel/plugin-syntax-class-properties

7.12.13

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1.202 array-filter 0.0.1

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1.203 anser 1.4.10

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1.206 call-bind 1.0.2

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1.207 kleur 3.0.3

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1.210 @babel/plugin-transform-sticky-regex

7.18.6

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1.211 errorhandler 1.5.1

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1.212 eslint-plugin-prettier 3.4.1

1.212.1 Available under license :

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1.213 xtend 4.0.2

1.213.1 Available under license :

MIT

1.214 @commitlint/is-ignored 11.0.0

1.214.1 Available under license :

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1.215 fs-extra 1.0.0

1.215.1 Available under license :

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1.216 mime 2.6.0

1.216.1 Available under license :

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1.217 get-stdin 6.0.0

1.217.1 Available under license :

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1.218 yargs-parser 20.2.9

1.218.1 Available under license :

ISC

1.219 caller-path 2.0.0

1.219.1 Available under license :

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1.220 balanced-match 1.0.2

1.220.1 Available under license :

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1.221 plugin-error 0.1.2

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1.222 commitlint-config-jira 1.6.4

1.222.1 Available under license :

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1.223 inherits 2.0.4

1.223.1 Available under license :

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1.224 node-stream-zip 1.15.0

1.224.1 Available under license :

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== dependency license: adm-zip ==

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1.225 import-fresh 2.0.0

1.225.1 Available under license :

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1.226 cross-spawn 7.0.3

1.226.1 Available under license :

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1.227 on-finished 2.3.0

1.227.1 Available under license :

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1.228 kotlin 1.3.60

1.228.1 Available under license :

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```
{"version":3,"file":"kotlin.js","sources":["wrapper.js","arrayUtils.js","callableReferenceUtils.js","conversions.js","core.js","long.js","markerFunctions.js","misc.js","polyfills.js","rtti.js","arrayUtils.kt","runtime/Enum.kt","primitiveCompanionObjects.kt","generated/_Arrays.kt","generated/_Ranges.kt","kotlin/UByte.kt","kotlin/UInt.kt","kotlin/UShort.kt","Ranges.kt","collections/Collections.kt","collections/Maps.kt","collections/Sets.kt","text/StringNumberConversions.kt","kotlin/UnsignedUtils.kt","collections/Iterables.kt","collections/Sequences.kt","util/Preconditions.kt","generated/_ArraysJs.kt","comparisons/Comparisons.kt","kotlin/Comparator.kt","util/Standard.kt","generated/_ComparisonsJs.kt","generated/_Collections.kt","kotlin/collections.kt","collections/Iterators.kt","generated/_Comparisons.kt"}
```

,"generated/_Maps.kt","kotlin/ranges.kt","generated/_Sequences.kt","generated/_Sets.kt","generated/_Strings.kt","text/Strings.kt","kotlin/text/string.kt","kotlin/UByteArray.kt","kotlin/UIntArray.kt","kotlin/ULongArray.kt","kotlin/ULong.kt","kotlin/UShortArray.kt","generated/_UArrays.kt","generated/_UCollections.kt","generated/_UComparisons.kt","generated/_URanges.kt","generated/_USequences.kt","Collections.kt","Iterators.kt","ProgressionIterators.kt","Progressions.kt","Range.kt","Unit.kt","annotation/Annotations.kt","internal/InternalAnnotations.kt","internal/progressionUtil.kt","reflect/KParameter.kt","reflect/KType.kt","reflect/KVariance.kt","reflect/KVisibility.kt","kotlin/builtins.kt","kotlin/jsTypeOf.kt","kotlin/kotlin.kt","kotlin/coroutines/CoroutineImpl.kt","util/Result.kt","coroutines/Continuation.kt","kotlin/coroutines/intrinsics/IntrinsicsJs.kt","kotlin/currentBeMisc.kt","kotlin/jsOperators.kt","kotlin/math_js-v1.kt","kotlin/numbers_js-v1.kt","kotlin/text/numberConversions_js-v1.kt","generated/_CollectionsJs.kt","generated/_StringsJs.kt","generated/_UArraysJs.kt","jquery/ui.kt","kotlin/annotations.kt","kotlin/annotationsJVM.kt","kotlin/collections/AbstractMutableCollection.kt","kotlin/collections/AbstractMutableList.kt","kotlin/collections/AbstractMutableMap.kt","kotlin/collections/AbstractMutableSet.kt","kotlin/collections/ArrayList.kt","kotlin/collections/ArraySorting.kt","kotlin/collections/ArraysJs.kt","kotlin/collections/EqualityComparator.kt","kotlin/collections/HashMap.kt","kotlin/collections/HashSet.kt","kotlin/collections/InternalHashMap.kt","kotlin/collections/InternalMap.kt","kotlin/collections/InternalStringMap.kt","kotlin/collections/LinkedHashMap.kt","kotlin/collections/LinkedHashSet.kt","kotlin/concurrent.kt","kotlin/console.kt","kotlin/coroutines/SafeContinuationJs.kt","kotlin/coroutines/js/internal/EmptyContinuation.kt","kotlin/date.kt","kotlin/dom/Builders.kt","kotlin/dom/Classes.kt","text/regex/RegexExtensions.kt","text/StringBuilder.kt","kotlin/dom/Dom.kt","kotlin/dom/EventListener.kt","kotlin/dom/ItemArrayLike.kt","kotlin/dom/Mutations.kt","kotlin/dynamic.kt","kotlin/exceptionUtils.kt","kotlin/exceptions.kt","kotlin/grouping.kt","collections/Grouping.kt","kotlin/js.math.kt","kotlin/json.kt","kotlin/math.kt","kotlin/numbers.kt","kotlin/promise.kt","kotlin/random/PlatformRandom.kt","kotlin/reflect/JsClass.kt","kotlin/reflect/KClassImpl.kt","kotlin/reflect/KTypeHelpers.kt","kotlin/reflect/KTypeImpl.kt","kotlin/reflect/KTypeParameterImpl.kt","kotlin/reflect/primitives.kt","kotlin/reflect/reflection.kt","kotlin/regexp.kt","kotlin/sequence.kt","kotlin/text/char.kt","kotlin/text/numberConversions.kt","kotlin/text/regex.kt","kotlin/text/stringsCode.kt","kotlin/text/text.kt","kotlin/text/utf8Encoding.kt","kotlin/time/DurationUnit.kt","kotlin/time/MonoClock.kt","kotlin/time/formatToDecimals.kt","org.w3c/org.khronos.webgl.kt","org.w3c/org.w3c.dom.clipboard.kt","org.w3c/org.w3c.dom.css.kt","org.w3c/org.w3c.dom.events.kt","org.w3c/org.w3c.dom.kt","org.w3c/org.w3c.fetch.kt","org.w3c/org.w3c.dom.mediacapture.kt","org.w3c/org.w3c.dom.pointerevents.kt","org.w3c/org.w3c.dom.svg.kt","org.w3c/org.w3c.files.kt","org.w3c/org.w3c.notifications.kt","org.w3c/org.w3c.workers.kt","org.w3c/org.w3c.xhr.kt","annotations/Experimental.kt","annotations/ExperimentalStdlibApi.kt","annotations/Inference.kt","annotations/Multiplatform.kt","collections/AbstractCollection.kt","collections/AbstractIterator.kt","collections/AbstractList.kt","collections/AbstractMap.kt","collections/AbstractSet.kt","collections/Arrays.kt","collections/IndexedValue.kt","collections/MapAccessors.kt","collections/MapWithDefault.kt","collections/MutableCollections.kt","collections/ReversedViews.kt","collections/SequenceBuilder.kt","collections/SlidingWindow.kt","collections/UArraySorting.kt","contracts/ContractBuilder.kt","coroutines/ContinuationInterceptor.kt","coroutines/CoroutineContext.kt","coroutines/CoroutineContextImpl.kt","coroutines/intrinsics/Intrinsics.kt","experimental/bitwiseOperations.kt","experimental/inferenceMarker.kt","internal/Annotations.kt","properties/Delegates.kt","properties/ObservableProperty.kt","random/Random.kt","random/URandom.kt","random/XorWowRandom.kt","ranges/Ranges.kt","reflect/typeOf.kt","text/Char.kt","text/Indent.kt","text/Typography.kt","text/regex/MatchResult.kt","time/Clock.kt","time/Clocks.kt","time/Duration.kt","time/DurationUnit.kt","time/ExperimentalTime.kt","time/measureTime.kt","util/HashCode.kt","util/KotlinVersion.kt","util/Lateinit.kt","util/Lazy.kt","util/Numbers.kt","util/Suspend.kt","util/Tuples.kt","kotlin/UIntRange.kt","kotlin/UIterators.kt","kotlin/ULongRange.kt","kotlin/UMath.kt","kotlin/UNumbers.kt","kotlin/UProgressionUtil.kt","kotlin/UStrings.kt","kotlin/annotations/Unsigned.kt","kotlin/MathH.kt","coroutines.kt","CoroutinesLibrary.kt","coroutinesIntrinsics.kt","ContinuationInterceptor.kt","CoroutineContext.kt","CoroutineContextImpl.kt","Coroutines.kt","Intrinsics.kt","SequenceBuilder.kt"],"sourcesContent":["(function (root, factory) {\n if (typeof define === 'function' && define.amd) {\n define('kotlin', ['exports'], factory);\n } else if (typeof exports === 'object') {\n factory(module.exports);\n } else {\n root.kotlin = {};\n factory(root.kotlin);\n } })(this, function (Kotlin) {\n var _ = Kotlin;\n \n insertContent();\n});\n","/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming

```

Language contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\nKotlin.isArray = function (a) {\n  return (Array.isArray(a) || a instanceof
Int8Array) && a.$type$ === \"BooleanArray\"\n};\n\nKotlin.isArray = function (a) {\n  return a instanceof
Int8Array && a.$type$ !== \"BooleanArray\"\n};\n\nKotlin.isArray = function (a) {\n  return a instanceof
Int16Array\n};\n\nKotlin.isArray = function (a) {\n  return a instanceof Uint16Array && a.$type$ ===
\"CharArray\"\n};\n\nKotlin.isArray = function (a) {\n  return a instanceof
Int32Array\n};\n\nKotlin.isArray = function (a) {\n  return a instanceof
Float32Array\n};\n\nKotlin.isArray = function (a) {\n  return a instanceof
Float64Array\n};\n\nKotlin.isArray = function (a) {\n  return Array.isArray(a) && a.$type$ ===
\"LongArray\"\n};\n\nKotlin.isArray = function (a) {\n  return Array.isArray(a) &&
!a.$type$;\n};\n\nKotlin.isArrayish = function (a) {\n  return Array.isArray(a) ||
ArrayBuffer.isView(a)\n};\n\nKotlin.arrayToString = function (a) {\n  var toString = Kotlin.isCharArray(a) ?
String.fromCharCode : Kotlin.toString;\n  return \"[\" + Array.prototype.map.call(a, function(e) { return
toString(e); }).join(\", \") + \"]\";\n};\n\nKotlin.arrayDeepToString = function (arr) {\n  return
Kotlin.kotlin.collections.contentDeepToStringImpl(arr);\n};\n\nKotlin.arrayEquals = function (a, b) {\n  if (a ===
b) {\n    return true;\n  }\n  if (!Kotlin.isArrayish(b) || a.length !== b.length) {\n    return false;\n  }\n  for
(var i = 0, n = a.length; i < n; i++) {\n    if (!Kotlin.equals(a[i], b[i])) {\n      return false;\n    }\n  }\n  return true;\n};\n\nKotlin.arrayDeepEquals = function (a, b) {\n  return
Kotlin.kotlin.collections.contentDeepEqualsImpl(a, b);\n};\n\nKotlin.arrayHashCode = function (arr) {\n  var
result = 1;\n  for (var i = 0, n = arr.length; i < n; i++) {\n    result = ((31 * result | 0) + Kotlin.hashCode(arr[i])) |
0;\n  }\n  return result;\n};\n\nKotlin.arrayDeepHashCode = function (arr) {\n  return
Kotlin.kotlin.collections.contentDeepHashCodeImpl(arr);\n};\n\nKotlin.primitiveArraySort = function (array) {\n
array.sort(Kotlin.doubleCompareTo);\n};\n\n\"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\nKotlin.getCallableRef = function(name, f) {\n  f.callableName = name;\n  return
f;\n};\n\nKotlin.getPropertyCallableRef = function(name, paramCount, getter, setter) {\n  getter.get = getter;\n
getter.set = setter;\n  getter.callableName = name;\n  return getPropertyRefClass(getter, setter,
propertyRefClassMetadataCache[paramCount]);\n};\n\nfunction getPropertyRefClass(obj, setter, cache) {\n
obj.$metadata$ = getPropertyRefMetadata(typeof setter === \"function\" ? cache.mutable : cache.immutable);\n
obj.constructor = obj;\n  return obj;\n}\n\nvar propertyRefClassMetadataCache = [\n  {\n    mutable: { value:
null, implementedInterface: function () {\n      return Kotlin.kotlin.reflect.KMutableProperty0 }\n    },\n
immutable: { value: null, implementedInterface: function () {\n      return Kotlin.kotlin.reflect.KProperty0 }\n
}\n  },\n  {\n    mutable: { value: null, implementedInterface: function () {\n      return
Kotlin.kotlin.reflect.KMutableProperty1 }\n    },\n    immutable: { value: null, implementedInterface: function
() {\n      return Kotlin.kotlin.reflect.KProperty1 }\n    }\n  }\n];\n\nfunction getPropertyRefMetadata(cache)
{\n  if (cache.value === null) {\n    cache.value = {\n      interfaces: [cache.implementedInterface()],\n
baseClass: null,\n      functions: {},\n      properties: {},\n      types: {},\n      staticMembers: {}\n
};\n  }\n  return cache.value;\n}\n\n\"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\nKotlin.toShort = function (a) {\n  return (a & 0xFFFF) << 16 >>
16;\n};\n\nKotlin.toByte = function (a) {\n  return (a & 0xFF) << 24 >> 24;\n};\n\nKotlin.toChar = function (a) {\n
return a & 0xFFFF;\n};\n\nKotlin.numberToLong = function (a) {\n  return a instanceof Kotlin.Long ? a :
Kotlin.Long.fromNumber(a);\n};\n\nKotlin.numberToInt = function (a) {\n  return a instanceof Kotlin.Long ?
a.toInt() : Kotlin.doubleToInt(a);\n};\n\nKotlin.numberToShort = function (a) {\n  return
Kotlin.toShort(Kotlin.numberToInt(a));\n};\n\nKotlin.numberToByte = function (a) {\n  return
Kotlin.toByte(Kotlin.numberToInt(a));\n};\n\nKotlin.numberToDouble = function (a) {\n  return
+a;\n};\n\nKotlin.numberToChar = function (a) {\n  return
Kotlin.toChar(Kotlin.numberToInt(a));\n};\n\nKotlin.doubleToInt = function(a) {\n  if (a > 2147483647) return

```

```

2147483647;\n  if (a < -2147483648) return -2147483648;\n  return a | 0;\n};\n\nKotlin.toBoxedChar = function
(a) {\n  if (a == null) return a;\n  if (a instanceof Kotlin.BoxedChar) return a;\n  return new
Kotlin.BoxedChar(a);\n};\n\nKotlin.unboxChar = function(a) {\n  if (a == null) return a;\n  return
Kotlin.toChar(a);\n};\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\nKotlin.equals = function (obj1, obj2) {\n  if (obj1 == null) {\n    return obj2 ==
null;\n  }\n  if (obj2 == null) {\n    return false;\n  }\n  if (obj1 !== obj2) {\n    return obj2 !== obj2;\n
}\n  if (typeof obj1 === "object" && typeof obj1.equals === "function") {\n    return obj1.equals(obj2);\n
}\n  if (typeof obj1 === "number" && typeof obj2 === "number") {\n    return obj1 === obj2 && (obj1 !==
0 || 1 / obj1 === 1 / obj2);\n  }\n  return obj1 === obj2;\n};\n\nKotlin.hashCode = function (obj) {\n  if (obj ==
null) {\n    return 0;\n  }\n  var objType = typeof obj;\n  if ("object" === objType) {\n    return "function"
=== typeof obj.hashCode ? obj.hashCode() : getObjectHashCode(obj);\n  }\n  if ("function" === objType) {\n
    return getObjectHashCode(obj);\n  }\n  if ("number" === objType) {\n    return
Kotlin.numberHashCode(obj);\n  }\n  if ("boolean" === objType) {\n    return Number(obj)\n  }\n  var str
= String(obj);\n  return getStringHashCode(str);\n};\n\nKotlin.toString = function (o) {\n  if (o == null) {\n
return "null";\n  }\n  else if (Kotlin.isArrayish(o)) {\n    return "["+o+"]";\n  }\n  else {\n    return
o.toString();\n  }\n};\n\n/** @const *\nvar POW_2_32 = 4294967296;\n// TODO: consider switching to Symbol
type once we are on ES6.\n/** @const *\nvar OBJECT_HASH_CODE_PROPERTY_NAME =
"__kotlinHashCodeValue$";\n\nfunction getObjectHashCode(obj) {\n  if
(! (OBJECT_HASH_CODE_PROPERTY_NAME in obj)) {\n    var hash = (Math.random() * POW_2_32) | 0;\n    //
Make 32-bit signed integer.\n    Object.defineProperty(obj, OBJECT_HASH_CODE_PROPERTY_NAME, {\n
value: hash, enumerable: false });\n  }\n  return
obj[OBJECT_HASH_CODE_PROPERTY_NAME];\n}\n\nfunction getStringHashCode(str) {\n  var hash = 0;\n  for
(var i = 0; i < str.length; i++) {\n    var code = str.charCodeAt(i);\n    hash = (hash * 31 + code) | 0;\n    //
Keep it 32-bit.\n  }\n  return hash;\n}\n\nKotlin.identityHashCode = getObjectHashCode;\n"/*\n * Copyright 2010-
2018 JetBrains s.r.o. and Kotlin Programming Language contributors. \n * Use of this source code is governed by
the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n// Copyright 2009 The Closure
Library Authors. All Rights Reserved.\n// Licensed under the Apache License, Version 2.0 (the "License");\n//
you may not use this file except in compliance with the License.\n// You may obtain a copy of the License at\n//
http://www.apache.org/licenses/LICENSE-2.0\n// Unless required by applicable law or agreed to in writing,
software\n// distributed under the License is distributed on an "AS-IS" BASIS,\n// WITHOUT WARRANTIES OR
CONDITIONS OF ANY KIND, either express or implied.\n\n/**\n * Constructs a 64-bit two's-complement integer,
given its low and high 32-bit\n * values as *signed* integers. See the from* functions below for more\n *
convenient ways of constructing Longs.\n * \n * The internal representation of a long is the two given signed, 32-bit
values.\n * \n * We use 32-bit pieces because these are the size of integers on which\n * Javascript performs bit-
operations. For operations like addition and\n * multiplication, we split each number into 16-bit pieces, which can
easily be\n * multiplied within Javascript's floating-point representation without overflow\n * or change in sign.\n
*\n * \n * In the algorithms below, we frequently reduce the negative case to the\n * positive case by negating the
input(s) and then post-processing the result.\n * \n * Note that we must ALWAYS check specially whether those values
are MIN_VALUE\n * (-2^63) because -MIN_VALUE == MIN_VALUE (since 2^63 cannot be represented as\n * a
positive number, it overflows back into a negative). Not handling this\n * case would often result in infinite
recursion.\n * \n * @param {number} low The low (signed) 32 bits of the long.\n * @param {number} high The
high (signed) 32 bits of the long.\n * @constructor\n * @final\n */\n\nKotlin.Long = function(low, high) {\n  /**\n
 * @type {number}\n * @private\n */\n  this.low_ = low | 0; // force into 32 signed bits.\n\n  /**\n
 * @type {number}\n * @private\n */\n  this.high_ = high | 0; // force into 32 signed bits.\n};\n\nKotlin.Long.$metadata$ =
{\n  kind: "class",\n  simpleName: "Long",\n  interfaces: []\n};\n\n// NOTE: Common constant values
ZERO, ONE, NEG_ONE, etc. are defined below the\n// from* methods on which they depend.\n\n/**\n * A cache
of the Long representations of small integer values.\n * @type {!Object}\n * @private\n */\n\nKotlin.Long.IntCache_

```



```

= {};
}

/**
 * Returns a Long representing the given (32-bit) integer value.
 * @param {number} value The 32-bit integer in question.
 * @return {!Kotlin.Long} The corresponding Long value.
 */
Kotlin.Long.fromInt = function(value) {
    if (-128 <= value && value < 128) {
        var cachedObj = Kotlin.Long.IntCache_[value];
        if (cachedObj) {
            return cachedObj;
        }
        var obj = new Kotlin.Long(value | 0, value < 0 ? -1 : 0);
        if (-128 <= value && value < 128) {
            Kotlin.Long.IntCache_[value] = obj;
        }
        return obj;
    };
}

/**
 * Converts this number value to `Long`.
 * The fractional part, if any, is rounded down towards zero.
 * Returns zero if this `Double` value is `NaN`, `Long.MIN_VALUE` if it's less than `Long.MIN_VALUE`,
 * `Long.MAX_VALUE` if it's bigger than `Long.MAX_VALUE`.
 * @param {number} value The number in question.
 * @return {!Kotlin.Long} The corresponding Long value.
 */
Kotlin.Long.fromNumber = function(value) {
    if (isNaN(value)) {
        return Kotlin.Long.ZERO;
    } else if (value <= -Kotlin.Long.TWO_PWR_63_DBL_) {
        return Kotlin.Long.MIN_VALUE;
    } else if (value + 1 >= Kotlin.Long.TWO_PWR_63_DBL_) {
        return Kotlin.Long.MAX_VALUE;
    } else if (value < 0) {
        return Kotlin.Long.fromNumber(-value).negate();
    } else {
        return new Kotlin.Long(
            (value % Kotlin.Long.TWO_PWR_32_DBL_) | 0,
            (value / Kotlin.Long.TWO_PWR_32_DBL_) | 0);
    }
}

/**
 * Returns a Long representing the 64-bit integer that comes by concatenating
 * the given high and low bits. Each is assumed to use 32 bits.
 * @param {number} lowBits The low 32-bits.
 * @param {number} highBits The high 32-bits.
 * @return {!Kotlin.Long} The corresponding Long value.
 */
Kotlin.Long.fromBits = function(lowBits, highBits) {
    return new Kotlin.Long(lowBits, highBits);
};

/**
 * Returns a Long representation of the given string, written using the given
 * radix.
 * @param {string} str The textual representation of the Long.
 * @param {number=} opt_radix The radix in which the text is written.
 * @return {!Kotlin.Long} The corresponding Long value.
 */
Kotlin.Long.fromString = function(str, opt_radix) {
    if (str.length == 0) {
        throw Error('number format error: empty string');
    }
    var radix = opt_radix || 10;
    if (radix < 2 || 36 < radix) {
        throw Error('radix out of range: ' + radix);
    }
    if (str.charAt(0) == '-') {
        return Kotlin.Long.fromString(str.substring(1), radix).negate();
    } else if (str.indexOf('-') >= 0) {
        throw Error('number format error: interior "-" character: ' + str);
    }
    // Do several (8) digits each time through the loop, so as to
    // minimize the calls to the very expensive emulated div.
    var radixToPower = Kotlin.Long.fromNumber(Math.pow(radix, 8));
    var result = Kotlin.Long.ZERO;
    for (var i = 0; i < str.length; i += 8) {
        var size = Math.min(8, str.length - i);
        var value = parseInt(str.substring(i, i + size), radix);
        if (size < 8) {
            var power = Kotlin.Long.fromNumber(Math.pow(radix, size));
            result = result.multiply(power).add(Kotlin.Long.fromNumber(value));
        } else {
            result = result.multiply(radixToPower).add(Kotlin.Long.fromNumber(value));
        }
    }
    return result;
};

// NOTE: the compiler should inline these constant values below and then remove
// these variables, so there should be no runtime penalty for these.
/**
 * Number used repeated below in calculations.
 * This must appear before the first call to any from* function below.
 */
private const TWO_PWR_16_DBL_ = 1 << 16;
private const TWO_PWR_24_DBL_ = 1 << 24;
private const TWO_PWR_32_DBL_ = Kotlin.Long.TWO_PWR_16_DBL_ *
    Kotlin.Long.TWO_PWR_16_DBL_;
private const TWO_PWR_31_DBL_ = Kotlin.Long.TWO_PWR_32_DBL_ / 2;
private const TWO_PWR_48_DBL_ = Kotlin.Long.TWO_PWR_32_DBL_ *
    Kotlin.Long.TWO_PWR_16_DBL_;
private const TWO_PWR_64_DBL_ = Kotlin.Long.TWO_PWR_32_DBL_ *
    Kotlin.Long.TWO_PWR_32_DBL_;
private const TWO_PWR_63_DBL_ = Kotlin.Long.TWO_PWR_64_DBL_ / 2;
private const ZERO = Kotlin.Long.fromInt(0);
private const ONE = Kotlin.Long.fromInt(1);
private const NEG_ONE = Kotlin.Long.fromInt(-1);
private const MAX_VALUE = Kotlin.Long.fromBits(0xFFFFFFFF | 0, 0x7FFFFFFF | 0);

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*\nKotlin.Long.MIN_VALUE = Kotlin.Long.fromBits(0, 0x80000000 | 0);\n\n\n/**\n * @type {!Kotlin.Long}\n *
 * @private\n *\nKotlin.Long.TWO_PWR_24_ = Kotlin.Long.fromInt(1 << 24);\n\n\n/**\n * @return {number} The
 * value, assuming it is a 32-bit integer. *\nKotlin.Long.prototype.toInt = function() {\n  return this.low_;\n};\n\n\n/**
 * @return {number} The closest floating-point representation to this value. *\nKotlin.Long.prototype.toNumber =
 * function() {\n  return this.high_ * Kotlin.Long.TWO_PWR_32_DBL_ +\n  this.getLowBitsUnsigned();\n};\n\n\n/**\n * @return {number} The 32-bit hashCode of this value.
 *\nKotlin.Long.prototype.hashCode = function() {\n  return this.high_ ^ this.low_;\n};\n\n\n/**\n * @param
 * {number=} opt_radix The radix in which the text should be written.\n * @return {string} The textual representation
 * of this value.\n * @override\n *\nKotlin.Long.prototype.toString = function(opt_radix) {\n  var radix = opt_radix ||
 * 10;\n  if (radix < 2 || 36 < radix) {\n    throw Error('radix out of range: ' + radix);\n  }\n\n  if (this.isZero()) {\n
 * return '0';\n  }\n\n  if (this.isNegative()) {\n    if (this.equalsLong(Kotlin.Long.MIN_VALUE)) {\n      // We need to
 * change the Long value before it can be negated, so we remove\n      // the bottom-most digit in this base and then
 * recurse to do the rest.\n      var radixLong = Kotlin.Long.fromNumber(radix);\n      var div = this.div(radixLong);\n
 *      var rem = div.multiply(radixLong).subtract(this);\n      return div.toString(radix) + rem.toInt().toString(radix);\n
 *    } else {\n      return '-' + this.negate().toString(radix);\n    }\n  }\n\n  // Do several (6) digits each time through the loop,
 * so as to\n  // minimize the calls to the very expensive emulated div.\n  var radixToPower =
 * Kotlin.Long.fromNumber(Math.pow(radix, 6));\n  var rem = this;\n  var result = '';\n  while (true) {\n    var
 * remDiv = rem.div(radixToPower);\n    var intVal = rem.subtract(remDiv.multiply(radixToPower)).toInt();\n    var
 * digits = intVal.toString(radix);\n    rem = remDiv;\n    if (rem.isZero()) {\n      return digits + result;\n    } else {\n
 * while (digits.length < 6) {\n      digits = '0' + digits;\n    }\n    result = '' + digits + result;\n  }\n};\n\n\n/**
 * @return {number} The high 32-bits as a signed value. *\nKotlin.Long.prototype.getHighBits = function() {\n
 * return this.high_;\n};\n\n\n/**\n * @return {number} The low 32-bits as a signed value.
 *\nKotlin.Long.prototype.getLowBits = function() {\n  return this.low_;\n};\n\n\n/**\n * @return {number} The low
 * 32-bits as an unsigned value. *\nKotlin.Long.prototype.getLowBitsUnsigned = function() {\n  return (this.low_ >=
 * 0) ?\n    this.low_ : Kotlin.Long.TWO_PWR_32_DBL_ + this.low_;\n};\n\n\n/**\n * @return {number} Returns
 * the number of bits needed to represent the absolute\n * value of this Long.\n
 *\nKotlin.Long.prototype.getNumBitsAbs = function() {\n  if (this.isNegative()) {\n    if
 * (this.equalsLong(Kotlin.Long.MIN_VALUE)) {\n      return 64;\n    } else {\n      return
 * this.negate().getNumBitsAbs();\n    }\n  } else {\n    var val = this.high_ != 0 ? this.high_ : this.low_;\n    for (var bit
 * = 31; bit > 0; bit--) {\n      if ((val & (1 << bit)) != 0) {\n        break;\n      }\n    }\n    return this.high_ != 0 ? bit + 33
 * : bit + 1;\n  }\n};\n\n\n/**\n * @return {boolean} Whether this value is zero. *\nKotlin.Long.prototype.isZero =
 * function() {\n  return this.high_ == 0 && this.low_ == 0;\n};\n\n\n/**\n * @return {boolean} Whether this value is
 * negative. *\nKotlin.Long.prototype.isNegative = function() {\n  return this.high_ < 0;\n};\n\n\n/**\n * @return
 * {boolean} Whether this value is odd. *\nKotlin.Long.prototype.isOdd = function() {\n  return (this.low_ & 1) ==
 * 1;\n};\n\n\n/**\n * @param {Kotlin.Long} other Long to compare against.\n * @return {boolean} Whether this
 * Long equals the other.\n *\nKotlin.Long.prototype.equalsLong = function(other) {\n  return (this.high_ ==
 * other.high_) && (this.low_ == other.low_);\n};\n\n\n/**\n * @param {Kotlin.Long} other Long to compare
 * against.\n * @return {boolean} Whether this Long does not equal the other.\n
 *\nKotlin.Long.prototype.notEqualsLong = function(other) {\n  return (this.high_ != other.high_) || (this.low_ !=
 * other.low_);\n};\n\n\n/**\n * @param {Kotlin.Long} other Long to compare against.\n * @return {boolean}
 * Whether this Long is less than the other.\n *\nKotlin.Long.prototype.lessThan = function(other) {\n  return
 * this.compare(other) < 0;\n};\n\n\n/**\n * @param {Kotlin.Long} other Long to compare against.\n * @return
 * {boolean} Whether this Long is less than or equal to the other.\n *\nKotlin.Long.prototype.lessThanOrEqual =
 * function(other) {\n  return this.compare(other) <= 0;\n};\n\n\n/**\n * @param {Kotlin.Long} other Long to
 * compare against.\n * @return {boolean} Whether this Long is greater than the other.\n
 *\nKotlin.Long.prototype.greaterThan = function(other) {\n  return this.compare(other) > 0;\n};\n\n\n/**\n *
 * @param {Kotlin.Long} other Long to compare against.\n * @return {boolean} Whether this Long is greater than or
 * equal to the other.\n *\nKotlin.Long.prototype.greaterThanOrEqual = function(other) {\n  return

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this.compare(other) >= 0;\n};\n\n\n/**\n * Compares this Long with the given one.\n * @param {Kotlin.Long}
other Long to compare against.\n * @return {number} 0 if they are the same, 1 if the this is greater, and -1\n * if
the given one is greater.\n */\nKotlin.Long.prototype.compare = function(other) {\n if (this.equalsLong(other)) {\n
return 0;\n }\n\n var thisNeg = this.isNegative();\n var otherNeg = other.isNegative();\n if (thisNeg &&
!otherNeg) {\n return -1;\n }\n if (!thisNeg && otherNeg) {\n return 1;\n }\n\n // at this point, the signs are the
same, so subtraction will not overflow\n if (this.subtract(other).isNegative()) {\n return -1;\n } else {\n return
1;\n }\n};\n\n\n/**\n * @return {!Kotlin.Long} The negation of this value. *\nKotlin.Long.prototype.negate =
function() {\n if (this.equalsLong(Kotlin.Long.MIN_VALUE)) {\n return Kotlin.Long.MIN_VALUE;\n } else
{\n return this.not().add(Kotlin.Long.ONE);\n }\n};\n\n\n\n/**\n * Returns the sum of this and the given Long.\n *
@param {Kotlin.Long} other Long to add to this one.\n * @return {!Kotlin.Long} The sum of this and the given
Long.\n */\nKotlin.Long.prototype.add = function(other) {\n // Divide each number into 4 chunks of 16 bits, and
then sum the chunks.\n\n var a48 = this.high_ >>> 16;\n var a32 = this.high_ & 0xFFFF;\n var a16 = this.low_
>>> 16;\n var a00 = this.low_ & 0xFFFF;\n\n var b48 = other.high_ >>> 16;\n var b32 = other.high_ & 0xFFFF;\n
var b16 = other.low_ >>> 16;\n var b00 = other.low_ & 0xFFFF;\n\n var c48 = 0, c32 = 0, c16 = 0, c00 = 0;\n c00
+= a00 + b00;\n c16 += c00 >>> 16;\n c00 &= 0xFFFF;\n c16 += a16 + b16;\n c32 += c16 >>> 16;\n c16 &=
0xFFFF;\n c32 += a32 + b32;\n c48 += c32 >>> 16;\n c32 &= 0xFFFF;\n c48 += a48 + b48;\n c48 &=
0xFFFF;\n return Kotlin.Long.fromBits((c16 << 16) | c00, (c48 << 16) | c32);\n};\n\n\n\n/**\n * Returns the
difference of this and the given Long.\n * @param {Kotlin.Long} other Long to subtract from this.\n * @return
{!Kotlin.Long} The difference of this and the given Long.\n */\nKotlin.Long.prototype.subtract = function(other)
{\n return this.add(other.negate());\n};\n\n\n\n/**\n * Returns the product of this and the given long.\n * @param
{Kotlin.Long} other Long to multiply with this.\n * @return {!Kotlin.Long} The product of this and the other.\n
*/\nKotlin.Long.prototype.multiply = function(other) {\n if (this.isZero()) {\n return Kotlin.Long.ZERO;\n } else
if (other.isZero()) {\n return Kotlin.Long.ZERO;\n }\n\n if (this.equalsLong(Kotlin.Long.MIN_VALUE)) {\n
return other.isOdd() ? Kotlin.Long.MIN_VALUE : Kotlin.Long.ZERO;\n } else if
(other.equalsLong(Kotlin.Long.MIN_VALUE)) {\n return this.isOdd() ? Kotlin.Long.MIN_VALUE :
Kotlin.Long.ZERO;\n }\n\n if (this.isNegative()) {\n if (other.isNegative()) {\n return
this.negate().multiply(other.negate());\n } else {\n return this.negate().multiply(other).negate();\n }\n } else if
(other.isNegative()) {\n return this.multiply(other.negate()).negate();\n }\n\n // If both longs are small, use float
multiplication\n if (this.lessThan(Kotlin.Long.TWO_PWR_24_) &&\n
other.lessThan(Kotlin.Long.TWO_PWR_24_)) {\n return Kotlin.Long.fromNumber(this.toNumber() *
other.toNumber());\n }\n\n // Divide each long into 4 chunks of 16 bits, and then add up 4x4 products.\n // We can
skip products that would overflow.\n\n var a48 = this.high_ >>> 16;\n var a32 = this.high_ & 0xFFFF;\n var a16 =
this.low_ >>> 16;\n var a00 = this.low_ & 0xFFFF;\n\n var b48 = other.high_ >>> 16;\n var b32 = other.high_ &
0xFFFF;\n var b16 = other.low_ >>> 16;\n var b00 = other.low_ & 0xFFFF;\n\n var c48 = 0, c32 = 0, c16 = 0, c00
= 0;\n c00 += a00 * b00;\n c16 += c00 >>> 16;\n c00 &= 0xFFFF;\n c16 += a16 * b00;\n c32 += c16 >>> 16;\n
c16 &= 0xFFFF;\n c16 += a00 * b16;\n c32 += c16 >>> 16;\n c16 &= 0xFFFF;\n c32 += a32 * b00;\n c48 +=
c32 >>> 16;\n c32 &= 0xFFFF;\n c32 += a16 * b16;\n c48 += c32 >>> 16;\n c32 &= 0xFFFF;\n c32 += a00 *
b32;\n c48 += c32 >>> 16;\n c32 &= 0xFFFF;\n c48 += a48 * b00 + a32 * b16 + a16 * b32 + a00 * b48;\n c48
&= 0xFFFF;\n return Kotlin.Long.fromBits((c16 << 16) | c00, (c48 << 16) | c32);\n};\n\n\n\n\n/**\n * Returns this
Long divided by the given one.\n * @param {Kotlin.Long} other Long by which to divide.\n * @return
{!Kotlin.Long} This Long divided by the given one.\n */\nKotlin.Long.prototype.div = function(other) {\n if
(other.isZero()) {\n throw Error('division by zero');\n } else if (this.isZero()) {\n return Kotlin.Long.ZERO;\n
}\n\n if (this.equalsLong(Kotlin.Long.MIN_VALUE)) {\n if (other.equalsLong(Kotlin.Long.ONE) ||\n
other.equalsLong(Kotlin.Long.NEG_ONE)) {\n return Kotlin.Long.MIN_VALUE; // recall that -MIN_VALUE
== MIN_VALUE\n } else if (other.equalsLong(Kotlin.Long.MIN_VALUE)) {\n return Kotlin.Long.ONE;\n
}\n } else {\n // At this point, we have |other| >= 2, so |this/other| < |MIN_VALUE|.\n var halfThis =
this.shiftRight(1);\n var approx = halfThis.div(other).shiftLeft(1);\n if
(approx.equalsLong(Kotlin.Long.ZERO)) {\n return other.isNegative() ? Kotlin.Long.ONE :

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Kotlin.Long.NEG_ONE;\n    } else {\n        var rem = this.subtract(other.multiply(approx));\n        var result =
approx.add(rem.div(other));\n        return result;\n    }\n    }\n } else if
(other.equalsLong(Kotlin.Long.MIN_VALUE)) {\n    return Kotlin.Long.ZERO;\n }\n\n if (this.isNegative()) {\n
if (other.isNegative()) {\n    return this.negate().div(other.negate());\n } else {\n    return
this.negate().div(other.negate());\n }\n } else if (other.isNegative()) {\n    return
this.div(other.negate()).negate();\n }\n\n // Repeat the following until the remainder is less than other: find a\n //
floating-point that approximates remainder / other *from below*, add this\n // into the result, and subtract it from
the remainder. It is critical that\n // the approximate value is less than or equal to the real value so that the\n //
remainder never becomes negative.\n    var res = Kotlin.Long.ZERO;\n    var rem = this;\n    while
(rem.greaterThanOrEqual(other)) {\n        // Approximate the result of division. This may be a little greater or\n //
smaller than the actual value.\n        var approx = Math.max(1, Math.floor(rem.toNumber() / other.toNumber()));\n\n
// We will tweak the approximate result by changing it in the 48-th digit or\n // the smallest non-fractional digit,
whichever is larger.\n        var log2 = Math.ceil(Math.log(approx) / Math.LN2);\n        var delta = (log2 <= 48) ? 1 :
Math.pow(2, log2 - 48);\n\n        // Decrease the approximation until it is smaller than the remainder. Note\n // that if
it is too large, the product overflows and is negative.\n        var approxRes = Kotlin.Long.fromNumber(approx);\n        var
approxRem = approxRes.multiply(other);\n        while (approxRem.isNegative() || approxRem.greaterThan(rem))
{\n            approx -= delta;\n            approxRes = Kotlin.Long.fromNumber(approx);\n            approxRem =
approxRes.multiply(other);\n        }\n\n        // We know the answer can't be zero... and actually, zero would cause\n //
infinite recursion since we would make no progress.\n        if (approxRes.isZero()) {\n            approxRes =
Kotlin.Long.ONE;\n        }\n\n        res = res.add(approxRes);\n        rem = rem.subtract(approxRem);\n    }\n    return
res;\n};\n\n\n/**\n * Returns this Long modulo the given one.\n * @param {Kotlin.Long} other Long by which to
mod.\n * @return {!Kotlin.Long} This Long modulo the given one.\n */\nKotlin.Long.prototype.modulo =
function(other) {\n    return this.subtract(this.div(other).multiply(other));\n};\n\n\n/**\n * @return {!Kotlin.Long} The
bitwise-NOT of this value. */\nKotlin.Long.prototype.not = function() {\n    return Kotlin.Long.fromBits(~this.low_,
~this.high_);\n};\n\n\n/**\n * Returns the bitwise-AND of this Long and the given one.\n * @param {Kotlin.Long}
other The Long with which to AND.\n * @return {!Kotlin.Long} The bitwise-AND of this and the other.\n */\n
Kotlin.Long.prototype.and = function(other) {\n    return Kotlin.Long.fromBits(this.low_ & other.low_,\n
this.high_ & other.high_);\n};\n\n\n/**\n * Returns the bitwise-OR of this Long and the given one.\n *
@param {Kotlin.Long} other The Long with which to OR.\n * @return {!Kotlin.Long} The bitwise-OR of this and
the other.\n */\nKotlin.Long.prototype.or = function(other) {\n    return Kotlin.Long.fromBits(this.low_ |
other.low_,\nthis.high_ | other.high_);\n};\n\n\n/**\n * Returns the bitwise-XOR of this Long
and the given one.\n * @param {Kotlin.Long} other The Long with which to XOR.\n * @return {!Kotlin.Long}
The bitwise-XOR of this and the other.\n */\nKotlin.Long.prototype.xor = function(other) {\n    return
Kotlin.Long.fromBits(this.low_ ^ other.low_,\nthis.high_ ^ other.high_);\n};\n\n\n/**\n * Returns this Long with bits shifted to the left by the given amount.\n * @param {number} numBits The number of
bits by which to shift.\n * @return {!Kotlin.Long} This shifted to the left by the given amount.\n */\n
Kotlin.Long.prototype.shiftLeft = function(numBits) {\n    numBits &= 63;\n    if (numBits == 0) {\n        return
this;\n    } else {\n        var low = this.low_;\n        if (numBits < 32) {\n            var high = this.high_;\n            return
Kotlin.Long.fromBits(\n                low << numBits,\n                (high << numBits) | (low >>> (32 - numBits));\n            );\n        } else {\n            return Kotlin.Long.fromBits(0, low << (numBits - 32));\n        }\n    }\n};\n\n\n/**\n * Returns this Long with
bits shifted to the right by the given amount.\n * @param {number} numBits The number of bits by which to shift.\n
* @return {!Kotlin.Long} This shifted to the right by the given amount.\n */\nKotlin.Long.prototype.shiftRight =
function(numBits) {\n    numBits &= 63;\n    if (numBits == 0) {\n        return this;\n    } else {\n        var high = this.high_;\n        if (numBits < 32) {\n            var low = this.low_;\n            return Kotlin.Long.fromBits(\n                (low >>> numBits) | (high
<<< (32 - numBits)),\n                high >> numBits;\n            );\n        } else {\n            return Kotlin.Long.fromBits(\n                high >>
(numBits - 32),\n                high >= 0 ? 0 : -1);\n        }\n    }\n};\n\n\n/**\n * Returns this Long with bits shifted to the right
by the given amount, with\n * zeros placed into the new leading bits.\n * @param {number} numBits The number
of bits by which to shift.\n * @return {!Kotlin.Long} This shifted to the right by the given amount, with\n * zeros

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placed into the new leading bits.\n *\nKotlin.Long.prototype.shiftRightUnsigned = function(numBits) {\n numBits
&= 63;\n if (numBits == 0) {\n return this;\n } else {\n var high = this.high_;\n if (numBits < 32) {\n var
low = this.low_;\n return Kotlin.Long.fromBits((low >>> numBits) | (high << (32 - numBits)),\n
high >>> numBits);\n } else if (numBits == 32) {\n return Kotlin.Long.fromBits(high, 0);\n } else {\n
return Kotlin.Long.fromBits(high >>> (numBits - 32), 0);\n } }\n};\n\n// Support for
Kotlin\nKotlin.Long.prototype.equals = function (other) {\n return other instanceof Kotlin.Long &&
this.equalsLong(other);\n};\n\nKotlin.Long.prototype.compareTo_11rb$ =
Kotlin.Long.prototype.compare;\n\nKotlin.Long.prototype.inc = function() {\n return
this.add(Kotlin.Long.ONE);\n};\n\nKotlin.Long.prototype.dec = function() {\n return
this.add(Kotlin.Long.NEG_ONE);\n};\n\nKotlin.Long.prototype.valueOf = function() {\n return
this.toNumber();\n};\n\nKotlin.Long.prototype.unaryPlus = function() {\n return
this;\n};\n\nKotlin.Long.prototype.unaryMinus = Kotlin.Long.prototype.negate;\n\nKotlin.Long.prototype.inv =
Kotlin.Long.prototype.not;\n\nKotlin.Long.prototype.rangeTo = function (other) {\n return new
Kotlin.kotlin.ranges.LongRange(this, other);\n};\n\n/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n *\n\n/*\n * @param {string} id\n * @param {Object} declaration\n\n
*\nKotlin.defineModule = function (id, declaration) {\n};\n\nKotlin.defineInlineFunction = function(tag, fun) {\n
return fun;\n};\n\nKotlin.wrapFunction = function(fun) {\n var f = function() {\n f = fun();\n return
f.apply(this, arguments);\n }; \n return function() {\n return f.apply(this, arguments);\n
};\n};\n\nKotlin.isTypeOf = function(type) {\n return function (object) {\n return typeof object === type;\n
}\n};\n\nKotlin.isInstanceOf = function (klass) {\n return function (object) {\n return Kotlin.isType(object,
klass);\n } }\n};\n\nKotlin.orNull = function (fn) {\n return function (object) {\n return object == null ||
fn(object);\n } }\n};\n\nKotlin.andPredicate = function (a, b) {\n return function (object) {\n return a(object)
&& b(object);\n } }\n};\n\nKotlin.kotlinModuleMetadata = function (abiVersion, moduleName, data)
{\n};\n\nKotlin.suspendCall = function(value) {\n return value;\n};\n\nKotlin.coroutineResult = function(qualifier)
{\n throwMarkerError();\n};\n\nKotlin.coroutineController = function(qualifier) {\n
throwMarkerError();\n};\n\nKotlin.coroutineReceiver = function(qualifier) {\n
throwMarkerError();\n};\n\nKotlin.setCoroutineResult = function(value, qualifier) {\n
throwMarkerError();\n};\n\nfunction throwMarkerError() {\n throw new Error(\n "\nThis marker function
should never be called. \n" +\n "\nLooks like compiler did not eliminate it properly. \n" +\n "\nPlease, report
an issue if you caught this exception.\n");\n}\n\nKotlin.getFunctionById = function(id, defaultValue) {\n return
function() {\n return defaultValue;\n } }\n};\n\n/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n *\n\nKotlin.compareTo = function (a, b) {\n var typeA = typeof a;\n if
(typeA === "number") {\n if (typeof b === "number") {\n return Kotlin.doubleCompareTo(a, b);\n
}\n return Kotlin.primitiveCompareTo(a, b);\n }\n if (typeA === "string" || typeA === "boolean") {\n
return Kotlin.primitiveCompareTo(a, b);\n }\n return
a.compareTo_11rb$(b);\n};\n\nKotlin.primitiveCompareTo = function (a, b) {\n return a < b ? -1 : a > b ? 1 :
0;\n};\n\nKotlin.doubleCompareTo = function (a, b) {\n if (a < b) return -1;\n if (a > b) return 1;\n\n if (a ===
b) {\n if (a !== 0) return 0;\n\n var ia = 1 / a;\n return ia === 1 / b ? 0 : (ia < 0 ? -1 : 1);\n }\n\n
return a !== a ? (b !== b ? 0 : 1) : -1;\n};\n\nKotlin.charInc = function (value) {\n return
Kotlin.toChar(value+1);\n};\n\nKotlin.charDec = function (value) {\n return Kotlin.toChar(value-
1);\n};\n\nKotlin.imul = Math.imul || imul;\n\nKotlin.imulEmulated = imul;\n\nfunction imul(a, b) {\n return ((a &
0xffff0000) * (b & 0xffff) + (a & 0xffff) * (b | 0)) | 0;\n}\n\n(function() {\n var buf = new ArrayBuffer(8);\n var
bufFloat64 = new Float64Array(buf);\n var bufFloat32 = new Float32Array(buf);\n var bufInt32 = new
Int32Array(buf);\n var lowIndex = 0;\n var highIndex = 1;\n\n bufFloat64[0] = -1; // bff00000_00000000\n if
(bufInt32[lowIndex] !== 0) {\n lowIndex = 1;\n highIndex = 0;\n }\n\n Kotlin.doubleToBits =
function(value) {\n return Kotlin.doubleToRawBits(isNaN(value) ? NaN : value);\n };\n\n

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Kotlin.doubleToRawBits = function(value) {\n    bufFloat64[0] = value;\n    return
Kotlin.Long.fromBits(bufInt32[lowIndex], bufInt32[highIndex]);\n };\n\n Kotlin.doubleFromBits =
function(value) {\n    bufInt32[lowIndex] = value.low_;\n    bufInt32[highIndex] = value.high_;\n    return
bufFloat64[0];\n };\n\n Kotlin.floatToBits = function(value) {\n    return Kotlin.floatToRawBits(isNaN(value)
? NaN : value);\n };\n\n Kotlin.floatToRawBits = function(value) {\n    bufFloat32[0] = value;\n    return
bufInt32[0];\n };\n\n Kotlin.floatFromBits = function(value) {\n    bufInt32[0] = value;\n    return
bufFloat32[0];\n };\n\n // returns zero value for number with positive sign bit and non-zero value for number
with negative sign bit.\n Kotlin.doubleSignBit = function(value) {\n    bufFloat64[0] = value;\n    return
bufInt32[highIndex] & 0x80000000;\n };\n\n Kotlin.numberHashCode = function(obj) {\n    if ((obj | 0) ===
obj) {\n        return obj | 0;\n    } else {\n        bufFloat64[0] = obj;\n        return (bufInt32[highIndex]
* 31 | 0) + bufInt32[lowIndex] | 0;\n    }\n };\n\n Kotlin.ensureNotNull = function(x) {\n    return x != null
? x : Kotlin.throwNPE();\n };\n\n /*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\nif (typeof String.prototype.startsWith === \"undefined\") {\n
String.prototype.startsWith = function(searchString, position) {\n    position = position || 0;\n    return
this.lastIndexOf(searchString, position) === position;\n };\n\nif (typeof String.prototype.endsWith ===
\"undefined\") {\n    String.prototype.endsWith = function(searchString, position) {\n        var subjectString =
this.toString();\n        if (position === undefined || position > subjectString.length) {\n            position =
subjectString.length;\n        }\n        position -= searchString.length;\n        var lastIndex =
subjectString.indexOf(searchString, position);\n        return lastIndex !== -1 && lastIndex === position;\n
};\n\n// ES6 Math polyfills\nif (typeof Math.sign === \"undefined\") {\n    Math.sign = function(x) {\n        x = +x;\n        // convert to a number\n        if (x === 0 || isNaN(x)) {\n            return Number(x);\n        }\n        return x > 0 ? 1 : -
1;\n    };\n\nif (typeof Math.trunc === \"undefined\") {\n    Math.trunc = function(x) {\n        if (isNaN(x)) {\n
return NaN;\n        }\n        if (x > 0) {\n            return Math.floor(x);\n        }\n        return Math.ceil(x);\n
};\n\n(function() {\n    var epsilon = 2.220446049250313E-16;\n    var taylor_2_bound = Math.sqrt(epsilon);\n    var taylor_n_bound = Math.sqrt(taylor_2_bound);\n    var upper_taylor_2_bound = 1/taylor_2_bound;\n    var
upper_taylor_n_bound = 1/taylor_n_bound;\n\n    if (typeof Math.sinh === \"undefined\") {\n        Math.sinh =
function(x) {\n            if (Math.abs(x) < taylor_n_bound) {\n                var result = x;\n                if (Math.abs(x) >
taylor_2_bound) {\n                    result += (x * x * x) / 6;\n                }\n                return result;\n            } else {\n
var y = Math.exp(x);\n                var y1 = 1 / y;\n                if (!isFinite(y)) return Math.exp(x - Math.LN2);\n                if (!isFinite(y1)) return -Math.exp(-x - Math.LN2);\n                return (y - y1) / 2;\n            }\n        };\n    }\n\n    if (typeof Math.cosh === \"undefined\") {\n        Math.cosh = function(x) {\n            var y = Math.exp(x);\n            var y1 = 1 / y;\n            if (!isFinite(y) || !isFinite(y1)) return Math.exp(Math.abs(x) - Math.LN2);\n            return (y + y1) / 2;\n        };\n    }\n\n    if (typeof Math.tanh === \"undefined\") {\n        Math.tanh = function(x){\n            if
(Math.abs(x) < taylor_n_bound) {\n                var result = x;\n                if (Math.abs(x) > taylor_2_bound) {\n                    result -= (x * x * x) / 3;\n                }\n                return result;\n            }\n            else {\n                var a =
Math.exp(+x), b = Math.exp(-x);\n                return a === Infinity ? 1 : b === Infinity ? -1 : (a - b) / (a + b);\n            }\n        };\n    }\n\n    // Inverse hyperbolic function implementations derived from boost special math functions,\n    // Copyright Eric Ford & Hubert Holin 2001.\n\n    if (typeof Math.asinh === \"undefined\") {\n        var asinh =
function(x) {\n            if (x >= +taylor_n_bound)\n                {\n                    if (x > upper_taylor_n_bound)\n                        {\n                            // approximation by laurent series in
1/x at 0+ order from -1 to 0\n                            return Math.log(x) + Math.LN2;\n                        }\n                    {\n                        // approximation by laurent series in 1/x at 0+ order from -1 to 1\n                        return
Math.log(x * 2 + (1 / (x * 2)));\n                    }\n                }\n            else\n                {\n                    return
Math.log(x + Math.sqrt(x * x + 1));\n                }\n            else if (x <= -taylor_n_bound)\n                {\n                    return -asinh(-x);\n                }\n            else\n                {\n                    // approximation by taylor series in x at 0 up to
order 2\n                    var result = x;\n                    if (Math.abs(x) >= taylor_2_bound)\n                        {\n                            var x3 =
x * x * x;\n                            // approximation by taylor series in x at 0 up to order 4\n                            result -= x3 / 6;\n                        }\n                }\n        }\n    }\n\n}

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    }\n      return result;\n    }\n  };\n  Math.asinh = asinh;\n  }\n  if (typeof Math.acosh ===
\"undefined\") {\n    Math.acosh = function(x) {\n      if (x < 1)\n        {\n          return NaN;\n        }\n      else if (x - 1 >= taylor_n_bound)\n        {\n          if (x > upper_taylor_2_bound)\n            {\n
// approximation by laurent series in 1/x at 0+ order from -1 to 0\n              return Math.log(x) + Math.LN2;\n            }\n          else\n            {\n              return Math.log(x + Math.sqrt(x * x - 1));\n            }\n          }\n        }\n      else\n        {\n          var y = Math.sqrt(x - 1);\n          // approximation by taylor series in y at 0
up to order 2\n          var result = y;\n          if (y >= taylor_2_bound)\n            {\n              var y3 = y *
y * y;\n              // approximation by taylor series in y at 0 up to order 4\n              result -= y3 / 12;\n            }\n          }\n          return Math.sqrt(2) * result;\n        }\n      };\n  }\n  if (typeof Math.atanh === \"undefined\")
{\n    Math.atanh = function(x) {\n      if (Math.abs(x) < taylor_n_bound) {\n        var result = x;\n      }\n      if (Math.abs(x) > taylor_2_bound) {\n        result += (x * x * x) / 3;\n      }\n      return result;\n    }\n    return Math.log((1 + x) / (1 - x)) / 2;\n  };\n  }\n  if (typeof Math.log1p === \"undefined\") {\n    Math.log1p = function(x) {\n      if (Math.abs(x) < taylor_n_bound) {\n        var x2 = x * x;\n        var x3 = x2 * x;\n        var x4 = x3 * x;\n        // approximation by taylor series in x at 0 up to order 4\n        return (-x4 / 4 + x3 / 3 - x2 / 2 + x);\n      }\n      return Math.log(x + 1);\n    };\n  }\n  if (typeof
Math.expm1 === \"undefined\") {\n    Math.expm1 = function(x) {\n      if (Math.abs(x) < taylor_n_bound)
{\n        var x2 = x * x;\n        var x3 = x2 * x;\n        var x4 = x3 * x;\n        // approximation by
taylor series in x at 0 up to order 4\n        return (x4 / 24 + x3 / 6 + x2 / 2 + x);\n      }\n      return
Math.exp(x) - 1;\n    };\n  }\n  }\n  if (typeof Math.hypot === \"undefined\") {\n    Math.hypot = function() {\n      var y = 0;\n      var length = arguments.length;\n      for (var i = 0; i < length; i++) {\n        if (arguments[i]
=== Infinity || arguments[i] === -Infinity) {\n          return Infinity;\n        }\n        y += arguments[i] *
arguments[i];\n      }\n      return Math.sqrt(y);\n    };\n  }\n  if (typeof Math.log10 === \"undefined\") {\n    Math.log10 = function(x) {\n      return Math.log(x) * Math.LOG10E;\n    };\n  }\n  if (typeof Math.log2 ===
\"undefined\") {\n    Math.log2 = function(x) {\n      return Math.log(x) * Math.LOG2E;\n    };\n  }\n  if (typeof
Math.clz32 === \"undefined\") {\n    Math.clz32 = (function(log, LN2) {\n      return function(x) {\n        var
asUint = x >>> 0;\n        if (asUint === 0) {\n          return 32;\n        }\n        return 31 - (log(asUint) /
LN2 | 0) | 0; // the \"| 0\" acts like math.floor\n      };\n    })(Math.log, Math.LN2);\n  }\n  }\n  // For HtmlUnit and
PhantomJs\n  if (typeof ArrayBuffer.isView === \"undefined\") {\n    ArrayBuffer.isView = function(a) {\n      return a != null && a.__proto__ != null && a.__proto__.__proto__ === Int8Array.prototype.__proto__;\n    };\n  }\n  }\n  if (typeof Array.prototype.fill === \"undefined\") {\n    // Polyfill from https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/fill#Polyfill\n    Array.prototype.fill = function() {\n      //
Steps 1-2.\n      if (this == null) {\n        throw new TypeError('this is null or not defined');\n      }\n      var O =
Object(this);\n      // Steps 3-5.\n      var len = O.length >>> 0;\n      // Steps 6-7.\n      var start = arguments[1];\n      var relativeStart = start >> 0;\n      // Step 8.\n      var k = relativeStart < 0 ?\n        Math.max(len + relativeStart,
0) :\n        Math.min(relativeStart, len);\n      // Steps 9-10.\n      var end = arguments[2];\n      var relativeEnd =
end === undefined ?\n        len :\n        end >> 0;\n      // Step 11.\n      var final = relativeEnd < 0 ?\n        Math.max(len
+ relativeEnd, 0) :\n        Math.min(relativeEnd, len);\n      // Step 12.\n      while (k < final) {\n        O[k] =
value;\n        k++;\n      }\n      // Step 13.\n      return O;\n    };\n  }\n  }\n  (function() {\n    function
normalizeOffset(offset, length) {\n      if (offset < 0) return Math.max(0, offset + length);\n      return
Math.min(offset, length);\n    }\n    function typedArraySlice(begin, end) {\n      if (typeof end === \"undefined\")
{\n        end = this.length;\n      }\n      begin = normalizeOffset(begin || 0, this.length);\n      end =
Math.max(begin, normalizeOffset(end, this.length));\n      return new this.constructor(this.subarray(begin, end));\n    }\n    var arrays = [Int8Array, Int16Array, Uint16Array, Int32Array, Float32Array, Float64Array];\n    for (var i =
0; i < arrays.length; ++i) {\n      var TypedArray = arrays[i];\n      if (typeof TypedArray.prototype.fill ===
\"undefined\") {\n        TypedArray.prototype.fill = Array.prototype.fill;\n      }\n      if (typeof
TypedArray.prototype.slice === \"undefined\") {\n        Object.defineProperty(TypedArray.prototype, 'slice', {\n          value: typedArraySlice\n        });\n      }\n    }\n  })\n  }\n  // Patch apply to work with TypedArrays if needed.\n  try {\n    (function() {}).apply(null, new Int32Array(0))\n  } catch (e) {\n    var apply =

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Function.prototype.apply;\n      Object.defineProperty(Function.prototype, 'apply', {\n        value: function(self,
array) {\n          return apply.call(this, self, [].slice.call(array));\n        }\n      });\n    }\n\n    // Patch map to
work with TypedArrays if needed.\n    for (var i = 0; i < arrays.length; ++i) {\n      var TypedArray = arrays[i];\n      if (typeof TypedArray.prototype.map === \"undefined\") {\n        Object.defineProperty(TypedArray.prototype,
'map', {\n          value: function(callback, self) {\n            return [].slice.call(this).map(callback, self);\n          }\n        });\n      }\n    }\n\n    // Patch sort to work with TypedArrays if needed.\n    // TODO: consider to
remove following function and replace it with `Kotlin.doubleCompareTo` (see misc.js)\n    var
totalOrderComparator = function (a, b) {\n      if (a < b) return -1;\n      if (a > b) return 1;\n\n      if (a === b) {\n        if (a !== 0) return 0;\n\n        var ia = 1 / a;\n        return ia === 1 / b ? 0 : (ia < 0 ? -1 : 1);\n      }\n\n      return a !== a ? (b !== b ? 0 : 1) : -1\n    };\n\n    for (var i = 0; i < arrays.length; ++i) {\n      var TypedArray =
arrays[i];\n      if (typeof TypedArray.prototype.sort === \"undefined\") {\n        Object.defineProperty(TypedArray.prototype, 'sort', {\n          value: function(compareFunction) {\n            return Array.prototype.sort.call(this, compareFunction || totalOrderComparator);\n          }\n        });\n      }\n    }\n  }
})();\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors. \n * Use
of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\nKotlin.Kind = {\n  CLASS: \"class\",\n  INTERFACE: \"interface\",\n  OBJECT:
\"object\"\n};\n\nKotlin.callGetter = function (thisObject, class, propertyName) {\n  var propertyDescriptor =
Object.getOwnPropertyDescriptor(class, propertyName);\n  if (propertyDescriptor != null &&
propertyDescriptor.get != null) {\n    return propertyDescriptor.get.call(thisObject);\n  }\n  propertyDescriptor
= Object.getOwnPropertyDescriptor(thisObject, propertyName);\n  if (propertyDescriptor != null && \"value\" in
propertyDescriptor) {\n    return thisObject[propertyName];\n  }\n  return Kotlin.callGetter(thisObject,
Object.getPrototypeOf(class), propertyName);\n};\n\nKotlin.callSetter = function (thisObject, class, propertyName,
value) {\n  var propertyDescriptor = Object.getOwnPropertyDescriptor(class, propertyName);\n  if
(propertyDescriptor != null && propertyDescriptor.set != null) {\n    propertyDescriptor.set.call(thisObject,
value);\n    return;\n  }\n  propertyDescriptor = Object.getOwnPropertyDescriptor(thisObject,
propertyName);\n  if (propertyDescriptor != null && \"value\" in propertyDescriptor) {\n    thisObject[propertyName] = value;\n    return\n  }\n  Kotlin.callSetter(thisObject,
Object.getPrototypeOf(class), propertyName, value);\n};\n\nfunction isInheritanceFromInterface(ctor, iface) {\n  if
(ctor === iface) return true;\n\n  var metadata = ctor.$metadata$;\n  if (metadata != null) {\n    var interfaces =
metadata.interfaces;\n    for (var i = 0; i < interfaces.length; i++) {\n      if
(isInheritanceFromInterface(interfaces[i], iface)) {\n        return true;\n      }\n    }\n\n    var
superPrototype = ctor.prototype != null ? Object.getPrototypeOf(ctor.prototype) : null;\n    var superConstructor =
superPrototype != null ? superPrototype.constructor : null;\n    return superConstructor != null &&
isInheritanceFromInterface(superConstructor, iface);\n}\n\n/**\n * @param {*} object\n * @param
{Function|Object} klass\n * @returns {Boolean}\n */\nKotlin.isType = function (object, klass) {\n  if (klass ===
Object) {\n    switch (typeof object) {\n      case \"string\":\n      case \"number\":\n      case
\"boolean\":\n      case \"function\":\n        return true;\n      default:\n        return object instanceof
Object;\n    }\n  }\n\n  if (object == null || klass == null || (typeof object !== 'object' && typeof object !==
'function')) {\n    return false;\n  }\n\n  if (typeof klass === \"function\" && object instanceof klass) {\n
return true;\n  }\n\n  var proto = Object.getPrototypeOf(klass);\n  var constructor = proto != null ?
proto.constructor : null;\n  if (constructor != null && \"$metadata$\" in constructor) {\n    var metadata =
constructor.$metadata$;\n    if (metadata.kind === Kotlin.Kind.OBJECT) {\n      return object === klass;\n    }\n  }\n\n  var klassMetadata = klass.$metadata$;\n\n  // In WebKit (JavaScriptCore) for some interfaces from
DOM typeof returns \"object\", nevertheless they can be used in RHS of instanceof\n  if (klassMetadata == null) {\n
return object instanceof klass;\n  }\n\n  if (klassMetadata.kind === Kotlin.Kind.INTERFACE &&
object.constructor != null) {\n    return isInheritanceFromInterface(object.constructor, klass);\n  }\n\n  return
false;\n};\n\nKotlin.isNumber = function (a) {\n  return typeof a == \"number\" || a instanceof
Kotlin.Long;\n};\n\nKotlin.isChar = function (value) {\n  return value instanceof

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Kotlin.BoxedChar};\n\nKotlin.isComparable = function (value) {\n  var type = typeof value;\n\n  return type
=== \"string\" ||\n      type === \"boolean\" ||\n      Kotlin.isNumber(value) ||\n      Kotlin.isType(value,
Kotlin.kotlin.Comparable);\n};\n\nKotlin.isCharSequence = function (value) {\n  return typeof value === \"string\"
|| Kotlin.isType(value, Kotlin.kotlin.CharSequence);\n};";null,"/*\n * Copyright 2010-2018 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin\n\npublic class Enum<T> : Enum<T>> :
Comparable<Enum<T>> {\n  @JsName(\"name$\") private var _name: String = \"\"\n  @JsName(\"ordinal$\")
private var _ordinal: Int = 0\n\n  val name: String\n  get() = _name\n\n  val ordinal: Int\n  get() =
_ordinal\n\n  override fun compareTo(other: Enum<T>) = ordinal.compareTo(other.ordinal)\n\n  override fun
equals(other: Any?) = this === other\n\n  override fun hashCode(): Int = js(\"Kotlin.identityHashCode\")(this)\n\n
override fun toString() = name\n\n  companion object\n\n};";null,"/*\n * Copyright 2010-2019 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName(\"ArraysKt\")\n\npackage
kotlin.collections\n\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\nimport
kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Returns 1st *element* from the collection.\n
*/\n\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> Array<out T>.component1(): T {\n  return
get(0)\n}\n\n/**\n * Returns 1st *element* from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic inline
operator fun ByteArray.component1(): Byte {\n  return get(0)\n}\n\n/**\n * Returns 1st *element* from the
collection.\n */\n\n@kotlin.internal.InlineOnly\npublic inline operator fun ShortArray.component1(): Short {\n
return get(0)\n}\n\n/**\n * Returns 1st *element* from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic
inline operator fun IntArray.component1(): Int {\n  return get(0)\n}\n\n/**\n * Returns 1st *element* from the
collection.\n */\n\n@kotlin.internal.InlineOnly\npublic inline operator fun LongArray.component1(): Long {\n
return get(0)\n}\n\n/**\n * Returns 1st *element* from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic
inline operator fun FloatArray.component1(): Float {\n  return get(0)\n}\n\n/**\n * Returns 1st *element* from the
collection.\n */\n\n@kotlin.internal.InlineOnly\npublic inline operator fun DoubleArray.component1(): Double {\n
return get(0)\n}\n\n/**\n * Returns 1st *element* from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic
inline operator fun BooleanArray.component1(): Boolean {\n  return get(0)\n}\n\n/**\n * Returns 1st *element*
from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic inline operator fun CharArray.component1(): Char
{\n  return get(0)\n}\n\n/**\n * Returns 2nd *element* from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic
inline operator fun <T> Array<out T>.component2(): T {\n  return
get(1)\n}\n\n/**\n * Returns 2nd *element* from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic inline
operator fun ByteArray.component2(): Byte {\n  return get(1)\n}\n\n/**\n * Returns 2nd *element* from the
collection.\n */\n\n@kotlin.internal.InlineOnly\npublic inline operator fun ShortArray.component2(): Short {\n
return get(1)\n}\n\n/**\n * Returns 2nd *element* from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic
inline operator fun IntArray.component2(): Int {\n  return get(1)\n}\n\n/**\n * Returns 2nd *element* from the
collection.\n */\n\n@kotlin.internal.InlineOnly\npublic inline operator fun LongArray.component2(): Long {\n
return get(1)\n}\n\n/**\n * Returns 2nd *element* from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic
inline operator fun FloatArray.component2(): Float {\n  return get(1)\n}\n\n/**\n * Returns 2nd *element* from
the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic inline operator fun DoubleArray.component2(): Double {\n
return get(1)\n}\n\n/**\n * Returns 2nd *element* from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic
inline operator fun BooleanArray.component2(): Boolean {\n  return get(1)\n}\n\n/**\n * Returns 2nd *element*
from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic inline operator fun CharArray.component2(): Char
{\n  return get(1)\n}\n\n/**\n * Returns 3rd *element* from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic
inline operator fun <T> Array<out T>.component3(): T {\n  return
get(2)\n}\n\n/**\n * Returns 3rd *element* from the collection.\n */\n\n@kotlin.internal.InlineOnly\npublic inline
operator fun ByteArray.component3(): Byte {\n  return get(2)\n}\n\n/**\n * Returns 3rd *element* from the

```

```

collection.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun ShortArray.component3(): Short {\n
return get(2)\n}\n\n/**\n * Returns 3rd *element* from the collection.\n *\n@kotlin.internal.InlineOnly\npublic
inline operator fun IntArray.component3(): Int {\n  return get(2)\n}\n\n/**\n * Returns 3rd *element* from the
collection.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun LongArray.component3(): Long {\n
return get(2)\n}\n\n/**\n * Returns 3rd *element* from the collection.\n *\n@kotlin.internal.InlineOnly\npublic
inline operator fun FloatArray.component3(): Float {\n  return get(2)\n}\n\n/**\n * Returns 3rd *element* from the
collection.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun DoubleArray.component3(): Double {\n
return get(2)\n}\n\n/**\n * Returns 3rd *element* from the collection.\n *\n@kotlin.internal.InlineOnly\npublic
inline operator fun BooleanArray.component3(): Boolean {\n  return get(2)\n}\n\n/**\n * Returns 3rd *element*
from the collection.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun CharArray.component3(): Char
{\n  return get(2)\n}\n\n/**\n * Returns 4th *element* from the collection.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> Array<out T>.component4(): T {\n  return
get(3)\n}\n\n/**\n * Returns 4th *element* from the collection.\n *\n@kotlin.internal.InlineOnly\npublic inline
operator fun ByteArray.component4(): Byte {\n  return get(3)\n}\n\n/**\n * Returns 4th *element* from the
collection.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun ShortArray.component4(): Short {\n
return get(3)\n}\n\n/**\n * Returns 4th *element* from the collection.\n *\n@kotlin.internal.InlineOnly\npublic
inline operator fun IntArray.component4(): Int {\n  return get(3)\n}\n\n/**\n * Returns 4th *element* from the
collection.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun LongArray.component4(): Long {\n
return get(3)\n}\n\n/**\n * Returns 4th *element* from the collection.\n *\n@kotlin.internal.InlineOnly\npublic
inline operator fun FloatArray.component4(): Float {\n  return get(3)\n}\n\n/**\n * Returns 4th *element* from the
collection.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun DoubleArray.component4(): Double {\n
return get(3)\n}\n\n/**\n * Returns 4th *element* from the collection.\n *\n@kotlin.internal.InlineOnly\npublic
inline operator fun BooleanArray.component4(): Boolean {\n  return get(3)\n}\n\n/**\n * Returns 4th *element*
from the collection.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun CharArray.component4(): Char
{\n  return get(3)\n}\n\n/**\n * Returns 5th *element* from the collection.\n
*\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> Array<out T>.component5(): T {\n  return
get(4)\n}\n\n/**\n * Returns 5th *element* from the collection.\n *\n@kotlin.internal.InlineOnly\npublic inline
operator fun ByteArray.component5(): Byte {\n  return get(4)\n}\n\n/**\n * Returns 5th *element* from the
collection.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun ShortArray.component5(): Short {\n
return get(4)\n}\n\n/**\n * Returns 5th *element* from the collection.\n *\n@kotlin.internal.InlineOnly\npublic
inline operator fun IntArray.component5(): Int {\n  return get(4)\n}\n\n/**\n * Returns 5th *element* from the
collection.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun LongArray.component5(): Long {\n
return get(4)\n}\n\n/**\n * Returns 5th *element* from the collection.\n *\n@kotlin.internal.InlineOnly\npublic
inline operator fun FloatArray.component5(): Float {\n  return get(4)\n}\n\n/**\n * Returns 5th *element* from the
collection.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun DoubleArray.component5(): Double {\n
return get(4)\n}\n\n/**\n * Returns 5th *element* from the collection.\n *\n@kotlin.internal.InlineOnly\npublic
inline operator fun BooleanArray.component5(): Boolean {\n  return get(4)\n}\n\n/**\n * Returns 5th *element*
from the collection.\n *\n@kotlin.internal.InlineOnly\npublic inline operator fun CharArray.component5(): Char
{\n  return get(4)\n}\n\n/**\n * Returns `true` if [element] is found in the array.\n *\npublic operator fun
<@kotlin.internal.OnlyInputTypes T> Array<out T>.contains(element: T): Boolean {\n  return indexOf(element)
>= 0\n}\n\n/**\n * Returns `true` if [element] is found in the array.\n *\npublic operator fun
ByteArray.contains(element: Byte): Boolean {\n  return indexOf(element) >= 0\n}\n\n/**\n * Returns `true` if
[element] is found in the array.\n *\npublic operator fun ShortArray.contains(element: Short): Boolean {\n  return
indexOf(element) >= 0\n}\n\n/**\n * Returns `true` if [element] is found in the array.\n *\npublic operator fun
IntArray.contains(element: Int): Boolean {\n  return indexOf(element) >= 0\n}\n\n/**\n * Returns `true` if
[element] is found in the array.\n *\npublic operator fun LongArray.contains(element: Long): Boolean {\n  return
indexOf(element) >= 0\n}\n\n/**\n * Returns `true` if [element] is found in the array.\n *\npublic operator fun
FloatArray.contains(element: Float): Boolean {\n  return indexOf(element) >= 0\n}\n\n/**\n * Returns `true` if

```

[element] is found in the array.

```

public operator fun DoubleArray.contains(element: Double): Boolean {
    return indexOf(element) >= 0
}

```

* Returns `true` if [element] is found in the array.

```

public operator fun BooleanArray.contains(element: Boolean): Boolean {
    return indexOf(element) >= 0
}

```

* Returns `true` if [element] is found in the array.

```

public operator fun CharArray.contains(element: Char): Boolean {
    return indexOf(element) >= 0
}

```

* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAt

```

* public expect fun <T> Array<out T>.elementAt(index: Int): T

* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAt

```

* public expect fun ByteArray.elementAt(index: Int): Byte

* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAt

```

* public expect fun ShortArray.elementAt(index: Int): Short

* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAt

```

* public expect fun IntArray.elementAt(index: Int): Int

* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAt

```

* public expect fun LongArray.elementAt(index: Int): Long

* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAt

```

* public expect fun FloatArray.elementAt(index: Int): Float

* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAt

```

* public expect fun DoubleArray.elementAt(index: Int): Double

* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAt

```

* public expect fun BooleanArray.elementAt(index: Int): Boolean

* Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAt

```

* public expect fun CharArray.elementAt(index: Int): Char

* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAtOrElse

```

* public inline fun <T> Array<out T>.elementAtOrElse(index: Int, defaultValue: (Int) -> T): T

{

```

    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)
}

```

* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAtOrElse

```

* public inline fun ByteArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Byte): Byte

{

```

    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)
}

```

* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAtOrElse

```

* public inline fun ShortArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Short): Short

{

```

    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)
}

```

* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAtOrElse

```

* public inline fun IntArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Int): Int

{

```

    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)
}

```

* Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.

```

@sample
samples.collections.Collections.Elements.elementAtOrElse

```

* public inline fun LongArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Long): Long

{

```

    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)
}

```

* Returns an element at the given [index] or the result of

calling the [defaultValue] function if the [index] is out of bounds of this array.\n * \n * @sample

```

samples.collections.Collections.Elements.elementAtOrElse\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
FloatArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Float): Float {\n  return if (index >= 0 && index <=
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of
calling the [defaultValue] function if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrElse\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
DoubleArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Double): Double {\n  return if (index >= 0 &&
index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the
result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrElse\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
BooleanArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Boolean): Boolean {\n  return if (index >= 0 &&
index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the
result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrElse\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
CharArray.elementAtOrElse(index: Int, defaultValue: (Int) -> Char): Char {\n  return if (index >= 0 && index <=
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or `null` if the
[index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
<T> Array<out T>.elementAtOrNull(index: Int): T? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns an
element at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
ByteArray.elementAtOrNull(index: Int): Byte? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns an element
at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
ShortArray.elementAtOrNull(index: Int): Short? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns an element
at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
IntArray.elementAtOrNull(index: Int): Int? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns an element at
the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
LongArray.elementAtOrNull(index: Int): Long? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns an element
at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
FloatArray.elementAtOrNull(index: Int): Float? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns an element
at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
DoubleArray.elementAtOrNull(index: Int): Double? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns an
element at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
BooleanArray.elementAtOrNull(index: Int): Boolean? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns an
element at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *^\n@kotlin.internal.InlineOnly\npublic inline fun
CharArray.elementAtOrNull(index: Int): Char? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns the first
element matching the given [predicate], or `null` if no such element was found.\n
*\n *^\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.find(predicate: (T) -> Boolean): T? {\n
return firstOrNull(predicate)\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if no
such element was found.\n * \n *^\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.find(predicate: (Byte) ->
Boolean): Byte? {\n  return firstOrNull(predicate)\n}\n\n/**\n * Returns the first element matching the given

```

```

[predicate], or `null` if no such element was found.\n *\/n@kotlin.internal.InlineOnly\npublic inline fun
ShortArray.find(predicate: (Short) -> Boolean): Short? {\n    return firstOrNull(predicate)\n}\n\/n\/**\n * Returns the
first element matching the given [predicate], or `null` if no such element was found.\n
*\/n@kotlin.internal.InlineOnly\npublic inline fun IntArray.find(predicate: (Int) -> Boolean): Int? {\n    return
firstOrNull(predicate)\n}\n\/n\/**\n * Returns the first element matching the given [predicate], or `null` if no such
element was found.\n *\/n@kotlin.internal.InlineOnly\npublic inline fun LongArray.find(predicate: (Long) ->
Boolean): Long? {\n    return firstOrNull(predicate)\n}\n\/n\/**\n * Returns the first element matching the given
[predicate], or `null` if no such element was found.\n *\/n@kotlin.internal.InlineOnly\npublic inline fun
FloatArray.find(predicate: (Float) -> Boolean): Float? {\n    return firstOrNull(predicate)\n}\n\/n\/**\n * Returns the
first element matching the given [predicate], or `null` if no such element was found.\n
*\/n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.find(predicate: (Double) -> Boolean): Double? {\n
return firstOrNull(predicate)\n}\n\/n\/**\n * Returns the first element matching the given [predicate], or `null` if no
such element was found.\n *\/n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.find(predicate:
(Boolean) -> Boolean): Boolean? {\n    return firstOrNull(predicate)\n}\n\/n\/**\n * Returns the first element
matching the given [predicate], or `null` if no such element was found.\n *\/n@kotlin.internal.InlineOnly\npublic
inline fun CharArray.find(predicate: (Char) -> Boolean): Char? {\n    return firstOrNull(predicate)\n}\n\/n\/**\n *
Returns the last element matching the given [predicate], or `null` if no such element was found.\n
*\/n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.findLast(predicate: (T) -> Boolean): T? {\n
return lastOrNull(predicate)\n}\n\/n\/**\n * Returns the last element matching the given [predicate], or `null` if no
such element was found.\n *\/n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.findLast(predicate: (Byte) -
> Boolean): Byte? {\n    return lastOrNull(predicate)\n}\n\/n\/**\n * Returns the last element matching the given
[predicate], or `null` if no such element was found.\n *\/n@kotlin.internal.InlineOnly\npublic inline fun
ShortArray.findLast(predicate: (Short) -> Boolean): Short? {\n    return lastOrNull(predicate)\n}\n\/n\/**\n * Returns
the last element matching the given [predicate], or `null` if no such element was found.\n
*\/n@kotlin.internal.InlineOnly\npublic inline fun IntArray.findLast(predicate: (Int) -> Boolean): Int? {\n    return
lastOrNull(predicate)\n}\n\/n\/**\n * Returns the last element matching the given [predicate], or `null` if no such
element was found.\n *\/n@kotlin.internal.InlineOnly\npublic inline fun LongArray.findLast(predicate: (Long) ->
Boolean): Long? {\n    return lastOrNull(predicate)\n}\n\/n\/**\n * Returns the last element matching the given
[predicate], or `null` if no such element was found.\n *\/n@kotlin.internal.InlineOnly\npublic inline fun
FloatArray.findLast(predicate: (Float) -> Boolean): Float? {\n    return lastOrNull(predicate)\n}\n\/n\/**\n * Returns
the last element matching the given [predicate], or `null` if no such element was found.\n
*\/n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.findLast(predicate: (Double) -> Boolean): Double?
{\n    return lastOrNull(predicate)\n}\n\/n\/**\n * Returns the last element matching the given [predicate], or `null`
if no such element was found.\n *\/n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.findLast(predicate:
(Boolean) -> Boolean): Boolean? {\n    return lastOrNull(predicate)\n}\n\/n\/**\n * Returns the last element
matching the given [predicate], or `null` if no such element was found.\n *\/n@kotlin.internal.InlineOnly\npublic
inline fun CharArray.findLast(predicate: (Char) -> Boolean): Char? {\n    return lastOrNull(predicate)\n}\n\/n\/**\n
* Returns first element.\n * @throws [NoSuchElementException] if the array is empty.\n *\/npublic fun <T> Array<out
T>.first(): T {\n    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return
this[0]\n}\n\/n\/**\n * Returns first element.\n * @throws [NoSuchElementException] if the array is empty.\n
*\/npublic fun ByteArray.first(): Byte {\n    if (isEmpty())\n        throw NoSuchElementException("Array is
empty.")\n    return this[0]\n}\n\/n\/**\n * Returns first element.\n * @throws [NoSuchElementException] if the
array is empty.\n *\/npublic fun ShortArray.first(): Short {\n    if (isEmpty())\n        throw
NoSuchElementException("Array is empty.")\n    return this[0]\n}\n\/n\/**\n * Returns first element.\n * @throws
[NoSuchElementException] if the array is empty.\n *\/npublic fun IntArray.first(): Int {\n    if (isEmpty())\n
throw NoSuchElementException("Array is empty.")\n    return this[0]\n}\n\/n\/**\n * Returns first element.\n *
@throws [NoSuchElementException] if the array is empty.\n *\/npublic fun LongArray.first(): Long {\n    if
(isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return this[0]\n}\n\/n\/**\n * Returns first

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element.\n * @throws [NoSuchElementException] if the array is empty.\n */\npublic fun FloatArray.first(): Float
{\n if (isEmpty())\n throw NoSuchElementException("Array is empty.")\n return this[0]\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException] if the array is empty.\n */\npublic fun
DoubleArray.first(): Double {\n if (isEmpty())\n throw NoSuchElementException("Array is empty.")\n
return this[0]\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException] if the array is empty.\n
*/\npublic fun BooleanArray.first(): Boolean {\n if (isEmpty())\n throw NoSuchElementException("Array is
empty.")\n return this[0]\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException] if the
array is empty.\n */\npublic fun CharArray.first(): Char {\n if (isEmpty())\n throw
NoSuchElementException("Array is empty.")\n return this[0]\n}\n\n/**\n * Returns the first element matching
the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n */\npublic inline fun
<T> Array<out T>.first(predicate: (T) -> Boolean): T {\n for (element in this) if (predicate(element)) return
element\n throw NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n *
Returns the first element matching the given [predicate].\n * @throws [NoSuchElementException] if no such
element is found.\n */\npublic inline fun ByteArray.first(predicate: (Byte) -> Boolean): Byte {\n for (element in
this) if (predicate(element)) return element\n throw NoSuchElementException("Array contains no element
matching the predicate.")\n}\n\n/**\n * Returns the first element matching the given [predicate].\n * @throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun ShortArray.first(predicate: (Short) -
> Boolean): Short {\n for (element in this) if (predicate(element)) return element\n throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the first
element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n
*/\npublic inline fun IntArray.first(predicate: (Int) -> Boolean): Int {\n for (element in this) if (predicate(element))
return element\n throw NoSuchElementException("Array contains no element matching the
predicate.")\n}\n\n/**\n * Returns the first element matching the given [predicate].\n * @throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun LongArray.first(predicate: (Long) -
> Boolean): Long {\n for (element in this) if (predicate(element)) return element\n throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the first
element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n
*/\npublic inline fun FloatArray.first(predicate: (Float) -> Boolean): Float {\n for (element in this) if
(predicate(element)) return element\n throw NoSuchElementException("Array contains no element matching the
predicate.")\n}\n\n/**\n * Returns the first element matching the given [predicate].\n * @throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun DoubleArray.first(predicate:
(Double) -> Boolean): Double {\n for (element in this) if (predicate(element)) return element\n throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the first
element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n
*/\npublic inline fun BooleanArray.first(predicate: (Boolean) -> Boolean): Boolean {\n for (element in this) if
(predicate(element)) return element\n throw NoSuchElementException("Array contains no element matching the
predicate.")\n}\n\n/**\n * Returns the first element matching the given [predicate].\n * @throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun CharArray.first(predicate: (Char) ->
Boolean): Char {\n for (element in this) if (predicate(element)) return element\n throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the first
element, or `null` if the array is empty.\n */\npublic fun <T> Array<out T>.firstOrNull(): T? {\n return if
(isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first element, or `null` if the array is empty.\n */\npublic fun
ByteArray.firstOrNull(): Byte? {\n return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first element, or
`null` if the array is empty.\n */\npublic fun ShortArray.firstOrNull(): Short? {\n return if (isEmpty()) null else
this[0]\n}\n\n/**\n * Returns the first element, or `null` if the array is empty.\n */\npublic fun IntArray.firstOrNull():
Int? {\n return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first element, or `null` if the array is
empty.\n */\npublic fun LongArray.firstOrNull(): Long? {\n return if (isEmpty()) null else this[0]\n}\n\n/**\n *
Returns the first element, or `null` if the array is empty.\n */\npublic fun FloatArray.firstOrNull(): Float? {\n

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return if (isEmpty()) null else this[0]\n\n/**\n * Returns the first element, or `null` if the array is empty.\n
*/\npublic fun DoubleArray.firstOrNull(): Double? {\n    return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first element, or `null` if the array is empty.\n
*/\npublic fun BooleanArray.firstOrNull(): Boolean? {\n    return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first element, or `null` if the array is empty.\n
*/\npublic fun CharArray.firstOrNull(): Char? {\n    return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if element was not found.\n
*/\npublic inline fun <T> Array<out T>.firstOrNull(predicate: (T) -> Boolean): T? {\n    for (element in this) if (predicate(element)) return element\n    return null\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if element was not found.\n
*/\npublic inline fun ByteArray.firstOrNull(predicate: (Byte) -> Boolean): Byte? {\n    for (element in this) if (predicate(element)) return element\n    return null\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if element was not found.\n
*/\npublic inline fun ShortArray.firstOrNull(predicate: (Short) -> Boolean): Short? {\n    for (element in this) if (predicate(element)) return element\n    return null\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if element was not found.\n
*/\npublic inline fun IntArray.firstOrNull(predicate: (Int) -> Boolean): Int? {\n    for (element in this) if (predicate(element)) return element\n    return null\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if element was not found.\n
*/\npublic inline fun LongArray.firstOrNull(predicate: (Long) -> Boolean): Long? {\n    for (element in this) if (predicate(element)) return element\n    return null\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if element was not found.\n
*/\npublic inline fun FloatArray.firstOrNull(predicate: (Float) -> Boolean): Float? {\n    for (element in this) if (predicate(element)) return element\n    return null\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if element was not found.\n
*/\npublic inline fun DoubleArray.firstOrNull(predicate: (Double) -> Boolean): Double? {\n    for (element in this) if (predicate(element)) return element\n    return null\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if element was not found.\n
*/\npublic inline fun BooleanArray.firstOrNull(predicate: (Boolean) -> Boolean): Boolean? {\n    for (element in this) if (predicate(element)) return element\n    return null\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if element was not found.\n
*/\npublic inline fun CharArray.firstOrNull(predicate: (Char) -> Boolean): Char? {\n    for (element in this) if (predicate(element)) return element\n    return null\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.getOrNull(index: Int, defaultValue: (Int) -> T): T? {\n    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.getOrNull(index: Int, defaultValue: (Int) -> Byte): Byte? {\n    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.getOrNull(index: Int, defaultValue: (Int) -> Short): Short? {\n    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.getOrNull(index: Int, defaultValue: (Int) -> Int): Int? {\n    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.getOrNull(index: Int, defaultValue: (Int) -> Long): Long? {\n    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.getOrNull(index: Int, defaultValue: (Int) -> Float): Float? {\n    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*/\n

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*^@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.getOrElse(index: Int, defaultValue: (Int) ->
Double): Double {\n  return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue] function if the [index] is out of
bounds of this array.\n *^@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.getOrElse(index: Int,
defaultValue: (Int) -> Boolean): Boolean {\n  return if (index >= 0 && index <= lastIndex) get(index) else
defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue]
function if the [index] is out of bounds of this array.\n *^@kotlin.internal.InlineOnly\npublic inline fun
CharArray.getOrElse(index: Int, defaultValue: (Int) -> Char): Char {\n  return if (index >= 0 && index <=
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or `null` if the
[index] is out of bounds of this array.\n *^npublic fun <T> Array<out T>.getOrNull(index: Int): T? {\n  return if
(index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the given [index] or
`null` if the [index] is out of bounds of this array.\n *^npublic fun ByteArray.getOrNull(index: Int): Byte? {\n
return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the given
[index] or `null` if the [index] is out of bounds of this array.\n *^npublic fun ShortArray.getOrNull(index: Int):
Short? {\n  return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at
the given [index] or `null` if the [index] is out of bounds of this array.\n *^npublic fun IntArray.getOrNull(index:
Int): Int? {\n  return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at
the given [index] or `null` if the [index] is out of bounds of this array.\n *^npublic fun LongArray.getOrNull(index:
Int): Long? {\n  return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element
at the given [index] or `null` if the [index] is out of bounds of this array.\n *^npublic fun
FloatArray.getOrNull(index: Int): Float? {\n  return if (index >= 0 && index <= lastIndex) get(index) else
null\n}\n\n/**\n * Returns an element at the given [index] or `null` if the [index] is out of bounds of this array.\n
*^npublic fun DoubleArray.getOrNull(index: Int): Double? {\n  return if (index >= 0 && index <= lastIndex)
get(index) else null\n}\n\n/**\n * Returns an element at the given [index] or `null` if the [index] is out of bounds of
this array.\n *^npublic fun BooleanArray.getOrNull(index: Int): Boolean? {\n  return if (index >= 0 && index <=
lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the given [index] or `null` if the [index] is out of
bounds of this array.\n *^npublic fun CharArray.getOrNull(index: Int): Char? {\n  return if (index >= 0 && index
<= lastIndex) get(index) else null\n}\n\n/**\n * Returns first index of [element], or -1 if the array does not contain
element.\n *^npublic fun <@kotlin.internal.OnlyInputTypes T> Array<out T>.indexOf(element: T): Int {\n  if
(element == null) {\n    for (index in indices) {\n      if (this[index] == null) {\n        return index\n
      }\n    }\n  } else {\n    for (index in indices) {\n      if (element == this[index]) {\n        return index\n
      }\n    }\n  }\n  return -1\n}\n\n/**\n * Returns first index of [element], or -1 if the array does not contain
element.\n *^npublic fun ByteArray.indexOf(element: Byte): Int {\n  for (index in indices) {\n    if (element ==
this[index]) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns first index of [element], or -1 if
the array does not contain element.\n *^npublic fun ShortArray.indexOf(element: Short): Int {\n  for (index in
indices) {\n    if (element == this[index]) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns
first index of [element], or -1 if the array does not contain element.\n *^npublic fun IntArray.indexOf(element: Int):
Int {\n  for (index in indices) {\n    if (element == this[index]) {\n      return index\n    }\n  }\n  return -
1\n}\n\n/**\n * Returns first index of [element], or -1 if the array does not contain element.\n *^npublic fun
LongArray.indexOf(element: Long): Int {\n  for (index in indices) {\n    if (element == this[index]) {\n
return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns first index of [element], or -1 if the array does not
contain element.\n *^npublic fun FloatArray.indexOf(element: Float): Int {\n  for (index in indices) {\n    if
(element == this[index]) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns first index of
[element], or -1 if the array does not contain element.\n *^npublic fun DoubleArray.indexOf(element: Double): Int
{\n  for (index in indices) {\n    if (element == this[index]) {\n      return index\n    }\n  }\n  return -
1\n}\n\n/**\n * Returns first index of [element], or -1 if the array does not contain element.\n *^npublic fun
BooleanArray.indexOf(element: Boolean): Int {\n  for (index in indices) {\n    if (element == this[index]) {\n
return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns first index of [element], or -1 if the array does not

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contain element.\n */\npublic fun CharArray.indexOf(element: Char): Int {\n    for (index in indices) {\n        if\n        (element == this[index]) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the first\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun <T>\n Array<out T>.indexOfFirst(predicate: (T) -> Boolean): Int {\n    for (index in indices) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the first\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n ByteArray.indexOfFirst(predicate: (Byte) -> Boolean): Int {\n    for (index in indices) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the first\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n ShortArray.indexOfFirst(predicate: (Short) -> Boolean): Int {\n    for (index in indices) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the first\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n IntArray.indexOfFirst(predicate: (Int) -> Boolean): Int {\n    for (index in indices) {\n        if (predicate(this[index]))\n        {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the first element matching the\n given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n LongArray.indexOfFirst(predicate: (Long) -> Boolean): Int {\n    for (index in indices) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the first\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n FloatArray.indexOfFirst(predicate: (Float) -> Boolean): Int {\n    for (index in indices) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the first\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n DoubleArray.indexOfFirst(predicate: (Double) -> Boolean): Int {\n    for (index in indices) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the first\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n BooleanArray.indexOfFirst(predicate: (Boolean) -> Boolean): Int {\n    for (index in indices) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the first\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n CharArray.indexOfLast(predicate: (Char) -> Boolean): Int {\n    for (index in indices) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the last\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun <T>\n Array<out T>.indexOfLast(predicate: (T) -> Boolean): Int {\n    for (index in indices.reversed()) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the last\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n ByteArray.indexOfLast(predicate: (Byte) -> Boolean): Int {\n    for (index in indices.reversed()) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the last\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n ShortArray.indexOfLast(predicate: (Short) -> Boolean): Int {\n    for (index in indices.reversed()) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the last\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n IntArray.indexOfLast(predicate: (Int) -> Boolean): Int {\n    for (index in indices.reversed()) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the last\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n LongArray.indexOfLast(predicate: (Long) -> Boolean): Int {\n    for (index in indices.reversed()) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the last\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun\n FloatArray.indexOfLast(predicate: (Float) -> Boolean): Int {\n    for (index in indices.reversed()) {\n        if\n        (predicate(this[index])) {\n            return index\n        }\n    }\n    return -1\n}\n\n/**\n * Returns index of the last\n element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun

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DoubleArray.indexOfLast(predicate: (Double) -> Boolean): Int {\n  for (index in indices.reversed()) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the last
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
BooleanArray.indexOfLast(predicate: (Boolean) -> Boolean): Int {\n  for (index in indices.reversed()) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns index of the last
element matching the given [predicate], or -1 if the array does not contain such element.\n */\npublic inline fun
CharArray.indexOfLast(predicate: (Char) -> Boolean): Int {\n  for (index in indices.reversed()) {\n    if
(predicate(this[index])) {\n      return index\n    }\n  }\n  return -1\n}\n\n/**\n * Returns the last element.\n */
@throws [NoSuchElementException] if the array is empty.\n */\npublic fun <T> Array<out T>.last(): T {\n  if
(isEmpty())\n    throw NoSuchElementException("Array is empty.")\n  return this[lastIndex]\n}\n\n/**\n *
Returns the last element.\n */\n@throws [NoSuchElementException] if the array is empty.\n */\npublic fun
ByteArray.last(): Byte {\n  if (isEmpty())\n    throw NoSuchElementException("Array is empty.")\n  return
this[lastIndex]\n}\n\n/**\n * Returns the last element.\n */\n@throws [NoSuchElementException] if the array is
empty.\n */\npublic fun ShortArray.last(): Short {\n  if (isEmpty())\n    throw NoSuchElementException("Array
is empty.")\n  return this[lastIndex]\n}\n\n/**\n * Returns the last element.\n */\n@throws
[NoSuchElementException] if the array is empty.\n */\npublic fun IntArray.last(): Int {\n  if (isEmpty())\n
throw NoSuchElementException("Array is empty.")\n  return this[lastIndex]\n}\n\n/**\n * Returns the last
element.\n */\n@throws [NoSuchElementException] if the array is empty.\n */\npublic fun LongArray.last(): Long {\n
if (isEmpty())\n  throw NoSuchElementException("Array is empty.")\n  return this[lastIndex]\n}\n\n/**\n *
Returns the last element.\n */\n@throws [NoSuchElementException] if the array is empty.\n */\npublic fun
FloatArray.last(): Float {\n  if (isEmpty())\n    throw NoSuchElementException("Array is empty.")\n  return
this[lastIndex]\n}\n\n/**\n * Returns the last element.\n */\n@throws [NoSuchElementException] if the array is
empty.\n */\npublic fun DoubleArray.last(): Double {\n  if (isEmpty())\n    throw
NoSuchElementException("Array is empty.")\n  return this[lastIndex]\n}\n\n/**\n * Returns the last element.\n */
@throws [NoSuchElementException] if the array is empty.\n */\npublic fun BooleanArray.last(): Boolean {\n  if
(isEmpty())\n    throw NoSuchElementException("Array is empty.")\n  return this[lastIndex]\n}\n\n/**\n *
Returns the last element.\n */\n@throws [NoSuchElementException] if the array is empty.\n */\npublic fun
CharArray.last(): Char {\n  if (isEmpty())\n    throw NoSuchElementException("Array is empty.")\n  return
this[lastIndex]\n}\n\n/**\n * Returns the last element matching the given [predicate].\n */\n@throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun <T> Array<out T>.last(predicate:
(T) -> Boolean): T {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  throw NoSuchElementException("Array contains no element
matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n */\n@throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun ByteArray.last(predicate: (Byte) ->
Boolean): Byte {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  throw NoSuchElementException("Array contains no element
matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n */\n@throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun ShortArray.last(predicate: (Short) ->
Boolean): Short {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  throw NoSuchElementException("Array contains no element
matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n */\n@throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun IntArray.last(predicate: (Int) ->
Boolean): Int {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  throw NoSuchElementException("Array contains no element
matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n */\n@throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun LongArray.last(predicate: (Long) ->
Boolean): Long {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if
(predicate(element)) return element\n  }\n  throw NoSuchElementException("Array contains no element
matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n */\n@throws
[NoSuchElementException] if no such element is found.\n */\npublic inline fun

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matching the predicate.
}
}
}

* Returns the last element matching the given [predicate].
* @throws [NoSuchElementException] if no such element is found.
*/
public inline fun FloatArray.last(predicate: (Float) -> Boolean): Float {
    for (index in this.indices.reversed()) {
        val element = this[index]
        if (predicate(element)) return element
    }
    throw NoSuchElementException("Array contains no element matching the predicate.")
}

* Returns the last element matching the given [predicate].
* @throws [NoSuchElementException] if no such element is found.
*/
public inline fun DoubleArray.last(predicate: (Double) -> Boolean): Double {
    for (index in this.indices.reversed()) {
        val element = this[index]
        if (predicate(element)) return element
    }
    throw NoSuchElementException("Array contains no element matching the predicate.")
}

* Returns the last element matching the given [predicate].
* @throws [NoSuchElementException] if no such element is found.
*/
public inline fun BooleanArray.last(predicate: (Boolean) -> Boolean): Boolean {
    for (index in this.indices.reversed()) {
        val element = this[index]
        if (predicate(element)) return element
    }
    throw NoSuchElementException("Array contains no element matching the predicate.")
}

* Returns the last element matching the given [predicate].
* @throws [NoSuchElementException] if no such element is found.
*/
public inline fun CharArray.last(predicate: (Char) -> Boolean): Char {
    for (index in this.indices.reversed()) {
        val element = this[index]
        if (predicate(element)) return element
    }
    throw NoSuchElementException("Array contains no element matching the predicate.")
}

* Returns last index of [element], or -1 if the array does not contain element.
*/
public fun <@kotlin.internal.OnlyInputTypes T> Array<out T>.lastIndexOf(element: T): Int {
    if (element == null) {
        for (index in indices.reversed()) {
            if (this[index] == null) return index
        }
    } else {
        for (index in indices.reversed()) {
            if (element == this[index]) return index
        }
    }
    return -1
}

* Returns last index of [element], or -1 if the array does not contain element.
*/
public fun ByteArray.lastIndexOf(element: Byte): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}

* Returns last index of [element], or -1 if the array does not contain element.
*/
public fun ShortArray.lastIndexOf(element: Short): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}

* Returns last index of [element], or -1 if the array does not contain element.
*/
public fun IntArray.lastIndexOf(element: Int): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}

* Returns last index of [element], or -1 if the array does not contain element.
*/
public fun LongArray.lastIndexOf(element: Long): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}

* Returns last index of [element], or -1 if the array does not contain element.
*/
public fun FloatArray.lastIndexOf(element: Float): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}

* Returns last index of [element], or -1 if the array does not contain element.
*/
public fun DoubleArray.lastIndexOf(element: Double): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}

* Returns last index of [element], or -1 if the array does not contain element.
*/
public fun BooleanArray.lastIndexOf(element: Boolean): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}

* Returns last index of [element], or -1 if the array does not contain element.
*/
public fun CharArray.lastIndexOf(element: Char): Int {
    for (index in indices.reversed()) {
        if (element == this[index]) return index
    }
    return -1
}

* Returns the last element, or `null` if the array is empty.
*/
public fun <T> Array<out T>.lastOrNull(): T? {
    return if (isEmpty()) null else this[size - 1]
}

* Returns the last element, or `null` if the array is empty.
*/
public fun ByteArray.lastOrNull(): Byte? {
    return if (isEmpty()) null else this[size - 1]
}

* Returns the last element, or `null` if the array is empty.
*/
public fun ShortArray.lastOrNull(): Short? {
    return if (isEmpty()) null else this[size - 1]
}

* Returns the last element, or `null` if the array is empty.
*/
public fun IntArray.lastOrNull(): Int? {
    return if (isEmpty()) null else this[size - 1]
}

* Returns the last element, or `null` if the array is empty.
*/
public fun LongArray.lastOrNull(): Long? {
    return if (isEmpty()) null else this[size - 1]
}

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* Returns the last element, or `null` if the array is empty.\n */\npublic fun FloatArray.lastOrNull(): Float? {\n
return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element, or `null` if the array is empty.\n
*/\npublic fun DoubleArray.lastOrNull(): Double? {\n    return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n *
Returns the last element, or `null` if the array is empty.\n */\npublic fun BooleanArray.lastOrNull(): Boolean? {\n
return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element, or `null` if the array is empty.\n
*/\npublic fun CharArray.lastOrNull(): Char? {\n    return if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns
the last element matching the given [predicate], or `null` if no such element was found.\n */\npublic inline fun <T>
Array<out T>.lastOrNull(predicate: (T) -> Boolean): T? {\n    for (index in this.indices.reversed()) {\n        val
element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns the last
element matching the given [predicate], or `null` if no such element was found.\n */\npublic inline fun
ByteArray.lastOrNull(predicate: (Byte) -> Boolean): Byte? {\n    for (index in this.indices.reversed()) {\n        val
element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns the last
element matching the given [predicate], or `null` if no such element was found.\n */\npublic inline fun
ShortArray.lastOrNull(predicate: (Short) -> Boolean): Short? {\n    for (index in this.indices.reversed()) {\n        val
element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns the last
element matching the given [predicate], or `null` if no such element was found.\n */\npublic inline fun
IntArray.lastOrNull(predicate: (Int) -> Boolean): Int? {\n    for (index in this.indices.reversed()) {\n        val element
= this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns the last element
matching the given [predicate], or `null` if no such element was found.\n */\npublic inline fun
LongArray.lastOrNull(predicate: (Long) -> Boolean): Long? {\n    for (index in this.indices.reversed()) {\n        val
element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns the last
element matching the given [predicate], or `null` if no such element was found.\n */\npublic inline fun
FloatArray.lastOrNull(predicate: (Float) -> Boolean): Float? {\n    for (index in this.indices.reversed()) {\n        val
element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns the last
element matching the given [predicate], or `null` if no such element was found.\n */\npublic inline fun
DoubleArray.lastOrNull(predicate: (Double) -> Boolean): Double? {\n    for (index in this.indices.reversed()) {\n        val
element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns the
last element matching the given [predicate], or `null` if no such element was found.\n */\npublic inline fun
BooleanArray.lastOrNull(predicate: (Boolean) -> Boolean): Boolean? {\n    for (index in this.indices.reversed()) {\n        val
element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns
the last element matching the given [predicate], or `null` if no such element was found.\n */\npublic inline fun
CharArray.lastOrNull(predicate: (Char) -> Boolean): Char? {\n    for (index in this.indices.reversed()) {\n        val
element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns a
random element from this array.\n */\n * @throws NoSuchElementException if this array is empty.\n\n
*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.random(): T {\n
return random(Random)\n}\n\n/**\n * Returns a random element from this array.\n */\n * @throws
NoSuchElementException if this array is empty.\n */\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic
inline fun ByteArray.random(): Byte {\n    return random(Random)\n}\n\n/**\n * Returns a random element from
this array.\n */\n * @throws NoSuchElementException if this array is empty.\n\n
*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.random(): Short {\n    return
random(Random)\n}\n\n/**\n * Returns a random element from this array.\n */\n * @throws
NoSuchElementException if this array is empty.\n */\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic
inline fun IntArray.random(): Int {\n    return random(Random)\n}\n\n/**\n * Returns a random element from this
array.\n */\n * @throws NoSuchElementException if this array is empty.\n\n
*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.random(): Long {\n    return
random(Random)\n}\n\n/**\n * Returns a random element from this array.\n */\n * @throws
NoSuchElementException if this array is empty.\n */\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic
inline fun FloatArray.random(): Float {\n    return random(Random)\n}\n\n/**\n * Returns a random element from

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this array.\n * \n * @throws NoSuchElementException if this array is empty.\n
*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.random(): Double {\n
return random(Random)\n}\n\n/**\n * Returns a random element from this array.\n * \n * @throws
NoSuchElementException if this array is empty.\n */\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic
inline fun BooleanArray.random(): Boolean {\n    return random(Random)\n}\n\n/**\n * Returns a random element
from this array.\n * \n * @throws NoSuchElementException if this array is empty.\n
*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.random(): Char {\n    return
random(Random)\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n@SinceKotlin("1.3")\npublic
fun <T> Array<out T>.random(random: Random): T {\n    if (isEmpty())\n        throw
NoSuchElementException("Array is empty.")\n    return get(random.nextInt(size))\n}\n\n/**\n * Returns a random
element from this array using the specified source of randomness.\n * \n * @throws NoSuchElementException if
this array is empty.\n */\n@SinceKotlin("1.3")\npublic fun ByteArray.random(random: Random): Byte {\n    if
(isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n@SinceKotlin("1.3")\npublic
fun ShortArray.random(random: Random): Short {\n    if (isEmpty())\n        throw
NoSuchElementException("Array is empty.")\n    return get(random.nextInt(size))\n}\n\n/**\n * Returns a random
element from this array using the specified source of randomness.\n * \n * @throws NoSuchElementException if
this array is empty.\n */\n@SinceKotlin("1.3")\npublic fun IntArray.random(random: Random): Int {\n    if
(isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n@SinceKotlin("1.3")\npublic
fun LongArray.random(random: Random): Long {\n    if (isEmpty())\n        throw
NoSuchElementException("Array is empty.")\n    return get(random.nextInt(size))\n}\n\n/**\n * Returns a random
element from this array using the specified source of randomness.\n * \n * @throws NoSuchElementException if
this array is empty.\n */\n@SinceKotlin("1.3")\npublic fun FloatArray.random(random: Random): Float {\n    if
(isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n@SinceKotlin("1.3")\npublic
fun DoubleArray.random(random: Random): Double {\n    if (isEmpty())\n        throw
NoSuchElementException("Array is empty.")\n    return get(random.nextInt(size))\n}\n\n/**\n * Returns a random
element from this array using the specified source of randomness.\n * \n * @throws NoSuchElementException if
this array is empty.\n */\n@SinceKotlin("1.3")\npublic fun BooleanArray.random(random: Random): Boolean {\n
    if (isEmpty())\n        throw NoSuchElementException("Array is empty.")\n    return
get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of
randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n@SinceKotlin("1.3")\npublic
fun CharArray.random(random: Random): Char {\n    if (isEmpty())\n        throw NoSuchElementException("Array
is empty.")\n    return get(random.nextInt(size))\n}\n\n/**\n * Returns the single element, or throws an exception if
the array is empty or has more than one element.\n */\npublic fun <T> Array<out T>.single(): T {\n    return when
(size) {\n        0 -> throw NoSuchElementException("Array is empty.")\n        1 -> this[0]\n        else -> throw
IllegalArgumentException("Array has more than one element.")\n    }\n}\n\n/**\n * Returns the single element, or
throws an exception if the array is empty or has more than one element.\n */\npublic fun ByteArray.single(): Byte
{\n    return when (size) {\n        0 -> throw NoSuchElementException("Array is empty.")\n        1 -> this[0]\n
        else -> throw IllegalArgumentException("Array has more than one element.")\n    }\n}\n\n/**\n * Returns the
single element, or throws an exception if the array is empty or has more than one element.\n */\npublic fun
ShortArray.single(): Short {\n    return when (size) {\n        0 -> throw NoSuchElementException("Array is
empty.")\n        1 -> this[0]\n        else -> throw IllegalArgumentException("Array has more than one element.")\n
    }\n}

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    }
}

/** Returns the single element, or throws an exception if the array is empty or has more than one
element. */
public fun IntArray.single(): Int {
    return when (size) {
        0 -> throw NoSuchElementException("Array is empty.")
        1 -> this[0]
        else -> throw IllegalArgumentException("Array has more than one element.")
    }
}

/** Returns the single element, or throws an exception if the array is empty or has more than one
element. */
public fun LongArray.single(): Long {
    return when (size) {
        0 -> throw NoSuchElementException("Array is empty.")
        1 -> this[0]
        else -> throw IllegalArgumentException("Array has more than one element.")
    }
}

/** Returns the single element, or throws an exception if the array is empty or has more than one
element. */
public fun FloatArray.single(): Float {
    return when (size) {
        0 -> throw NoSuchElementException("Array is empty.")
        1 -> this[0]
        else -> throw IllegalArgumentException("Array has more than one element.")
    }
}

/** Returns the single element, or throws an exception if the array is empty or has more than one
element. */
public fun DoubleArray.single(): Double {
    return when (size) {
        0 -> throw NoSuchElementException("Array is empty.")
        1 -> this[0]
        else -> throw IllegalArgumentException("Array has more than one element.")
    }
}

/** Returns the single element, or throws an exception if the array is empty or has more than one
element. */
public fun BooleanArray.single(): Boolean {
    return when (size) {
        0 -> throw NoSuchElementException("Array is empty.")
        1 -> this[0]
        else -> throw IllegalArgumentException("Array has more than one element.")
    }
}

/** Returns the single element, or throws an exception if the array is empty or has more than one
element. */
public fun CharArray.single(): Char {
    return when (size) {
        0 -> throw NoSuchElementException("Array is empty.")
        1 -> this[0]
        else -> throw IllegalArgumentException("Array has more than one element.")
    }
}

/** Returns the single element matching the given [predicate], or throws exception if there is no or
more than one matching element. */
public inline fun <T> Array<out T>.single(predicate: (T) -> Boolean): T {
    var single: T? = null
    var found = false
    for (element in this) {
        if (predicate(element)) {
            if (found) throw IllegalArgumentException("Array contains more than one matching element.")
            single = element
            found = true
        }
    }
    if (!found) throw NoSuchElementException("Array contains no element matching the predicate.")
    @Suppress("UNCHECKED_CAST") return single as T
}

/** Returns the single element matching the given [predicate], or throws exception if there is no or
more than one matching element. */
public inline fun ByteArray.single(predicate: (Byte) -> Boolean): Byte {
    var single: Byte? = null
    var found = false
    for (element in this) {
        if (predicate(element)) {
            if (found) throw IllegalArgumentException("Array contains more than one matching element.")
            single = element
            found = true
        }
    }
    if (!found) throw NoSuchElementException("Array contains no element matching the predicate.")
    @Suppress("UNCHECKED_CAST") return single as Byte
}

/** Returns the single element matching the given [predicate], or throws exception if there is no or
more than one matching element. */
public inline fun ShortArray.single(predicate: (Short) -> Boolean): Short {
    var single: Short? = null
    var found = false
    for (element in this) {
        if (predicate(element)) {
            if (found) throw IllegalArgumentException("Array contains more than one matching element.")
            single = element
            found = true
        }
    }
    if (!found) throw NoSuchElementException("Array contains no element matching the predicate.")
    @Suppress("UNCHECKED_CAST") return single as Short
}

/** Returns the single element matching the given [predicate], or throws exception if there is no or
more than one matching element. */
public inline fun IntArray.single(predicate: (Int) -> Boolean): Int {
    var single: Int? = null
    var found = false
    for (element in this) {
        if (predicate(element)) {
            if (found) throw IllegalArgumentException("Array contains more than one matching element.")
            single = element
            found = true
        }
    }
    if (!found) throw NoSuchElementException("Array contains no element matching the predicate.")
    @Suppress("UNCHECKED_CAST") return single as Int
}

/** Returns the single element matching the given [predicate], or throws exception if there is no or
more than one matching element. */
public inline fun LongArray.single(predicate: (Long) -> Boolean): Long {
    var single: Long? = null
    var found = false
    for (element in this) {
        if (predicate(element)) {
            if (found) throw IllegalArgumentException("Array contains more than one matching element.")
            single = element
            found = true
        }
    }
    if (!found) throw NoSuchElementException("Array contains no element matching the predicate.")
    @Suppress("UNCHECKED_CAST") return single as Long
}

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found = true\n    }\n    }\n    if (!found) throw NoSuchElementException("Array contains no element matching
the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as Long\n}\n\n/**\n * Returns the
single element matching the given [predicate], or throws exception if there is no or more than one matching
element.\n */\npublic inline fun FloatArray.single(predicate: (Float) -> Boolean): Float {\n    var single: Float? =
null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) throw
IllegalArgumentException("Array contains more than one matching element.")\n            single = element\n
found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("Array contains no element matching
the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as Float\n}\n\n/**\n * Returns the
single element matching the given [predicate], or throws exception if there is no or more than one matching
element.\n */\npublic inline fun DoubleArray.single(predicate: (Double) -> Boolean): Double {\n    var single:
Double? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found)
throw IllegalArgumentException("Array contains more than one matching element.")\n            single = element\n
found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("Array contains no element
matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as Double\n}\n\n/**\n *
Returns the single element matching the given [predicate], or throws exception if there is no or more than one
matching element.\n */\npublic inline fun BooleanArray.single(predicate: (Boolean) -> Boolean): Boolean {\n    var
single: Boolean? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if
(found) throw IllegalArgumentException("Array contains more than one matching element.")\n            single =
element\n            found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("Array contains no
element matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as
Boolean\n}\n\n/**\n * Returns the single element matching the given [predicate], or throws exception if there is no
or more than one matching element.\n */\npublic inline fun CharArray.single(predicate: (Char) -> Boolean): Char
{\n    var single: Char? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n
            if (found) throw IllegalArgumentException("Array contains more than one matching element.")\n            single =
element\n            found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("Array contains no
element matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as
Char\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic fun <T>
Array<out T>.singleOrNull(): T? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic fun ByteArray.singleOrNull(): Byte? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic fun ShortArray.singleOrNull(): Short? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic fun IntArray.singleOrNull(): Int? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic fun LongArray.singleOrNull(): Long? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic fun FloatArray.singleOrNull(): Float? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic fun DoubleArray.singleOrNull(): Double? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic fun BooleanArray.singleOrNull(): Boolean? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more than one element.\n */\npublic fun CharArray.singleOrNull(): Char? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns the single element matching the given [predicate], or `null` if element was not found or more than one element was found.\n */\npublic inline fun <T> Array<out T>.singleOrNull(predicate: (T) -> Boolean): T? {\n    var single: T? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single = element\n            found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns the single element matching the given [predicate], or `null` if element was not found or more than one element was found.\n */\npublic inline fun
ByteArray.singleOrNull(predicate: (Byte) -> Boolean): Byte? {\n    var single: Byte? = null\n    var found = false\n

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for (element in this) {\n    if (predicate(element)) {\n        if (found) return null\n        single = element\n        found = true\n    }\n }\n if (!found) return null\n return single\n}\n\n/**\n * Returns the single element matching the given [predicate], or `null` if element was not found or more than one element was found.\n */\npublic inline fun ShortArray.singleOrNull(predicate: (Short) -> Boolean): Short? {\n    var single: Short? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single = element\n            found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns the single element matching the given [predicate], or `null` if element was not found or more than one element was found.\n */\npublic inline fun IntArray.singleOrNull(predicate: (Int) -> Boolean): Int? {\n    var single: Int? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single = element\n            found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns the single element matching the given [predicate], or `null` if element was not found or more than one element was found.\n */\npublic inline fun LongArray.singleOrNull(predicate: (Long) -> Boolean): Long? {\n    var single: Long? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single = element\n            found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns the single element matching the given [predicate], or `null` if element was not found or more than one element was found.\n */\npublic inline fun FloatArray.singleOrNull(predicate: (Float) -> Boolean): Float? {\n    var single: Float? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single = element\n            found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns the single element matching the given [predicate], or `null` if element was not found or more than one element was found.\n */\npublic inline fun DoubleArray.singleOrNull(predicate: (Double) -> Boolean): Double? {\n    var single: Double? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single = element\n            found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns the single element matching the given [predicate], or `null` if element was not found or more than one element was found.\n */\npublic inline fun BooleanArray.singleOrNull(predicate: (Boolean) -> Boolean): Boolean? {\n    var single: Boolean? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single = element\n            found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns the single element matching the given [predicate], or `null` if element was not found or more than one element was found.\n */\npublic inline fun CharArray.singleOrNull(predicate: (Char) -> Boolean): Char? {\n    var single: Char? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single = element\n            found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns a list containing all elements except first [n] elements.\n */\n * @throws IllegalArgumentException if [n] is negative.\n */\n * @sample samples.collections.Collections.Transformations.drop\n */\npublic fun <T> Array<out T>.drop(n: Int): List<T> {\n    require(n >= 0) { "Requested element count $n is less than zero." }\n    return takeLast((size - n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except first [n] elements.\n */\n * @throws IllegalArgumentException if [n] is negative.\n */\n * @sample samples.collections.Collections.Transformations.drop\n */\npublic fun ByteArray.drop(n: Int): List<Byte> {\n    require(n >= 0) { "Requested element count $n is less than zero." }\n    return takeLast((size - n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except first [n] elements.\n */\n * @throws IllegalArgumentException if [n] is negative.\n */\n * @sample samples.collections.Collections.Transformations.drop\n */\npublic fun ShortArray.drop(n: Int): List<Short> {\n    require(n >= 0) { "Requested element count $n is less than zero." }\n    return takeLast((size - n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except first [n] elements.\n */\n * @throws IllegalArgumentException if [n] is negative.\n */\n * @sample samples.collections.Collections.Transformations.drop\n */\npublic fun IntArray.drop(n: Int): List<Int> {\n    require(n >= 0) { "Requested element count $n is less than zero." }\n    return takeLast((size - n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except first [n] elements.\n */\n * @throws

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IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun LongArray.drop(n: Int): List<Long> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return takeLast((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except first [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun FloatArray.drop(n: Int): List<Float> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return takeLast((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except first [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun DoubleArray.drop(n: Int): List<Double> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return takeLast((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except first [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun BooleanArray.drop(n: Int): List<Boolean>
{\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return takeLast((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except first [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun CharArray.drop(n: Int): List<Char> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return takeLast((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun <T> Array<out T>.dropLast(n: Int): List<T>
{\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun ByteArray.dropLast(n: Int): List<Byte> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun ShortArray.dropLast(n: Int): List<Short> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun IntArray.dropLast(n: Int): List<Int> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun LongArray.dropLast(n: Int): List<Long> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun FloatArray.dropLast(n: Int): List<Float> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun DoubleArray.dropLast(n: Int): List<Double>
{\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws

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IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun BooleanArray.dropLast(n: Int):
List<Boolean> {n require(n >= 0) { \"Requested element count $n is less than zero.\" }n return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic fun CharArray.dropLast(n: Int): List<Char> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last elements that satisfy the given
[predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n *\npublic inline fun <T>
Array<out T>.dropLastWhile(predicate: (T) -> Boolean): List<T> {\n for (index in lastIndex downTo 0) {\n if
(!predicate(this[index])) {\n return take(index + 1)\n } }\n return emptyList()\n}\n\n/**\n * Returns
a list containing all elements except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun ByteArray.dropLastWhile(predicate:
(Byte) -> Boolean): List<Byte> {\n for (index in lastIndex downTo 0) {\n if (!predicate(this[index])) {\n
return take(index + 1)\n } }\n return emptyList()\n}\n\n/**\n * Returns a list containing all elements
except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun ShortArray.dropLastWhile(predicate:
(Short) -> Boolean): List<Short> {\n for (index in lastIndex downTo 0) {\n if (!predicate(this[index])) {\n
return take(index + 1)\n } }\n return emptyList()\n}\n\n/**\n * Returns a list containing all elements
except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun IntArray.dropLastWhile(predicate:
(Int) -> Boolean): List<Int> {\n for (index in lastIndex downTo 0) {\n if (!predicate(this[index])) {\n
return take(index + 1)\n } }\n return emptyList()\n}\n\n/**\n * Returns a list containing all elements
except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun LongArray.dropLastWhile(predicate:
(Long) -> Boolean): List<Long> {\n for (index in lastIndex downTo 0) {\n if (!predicate(this[index])) {\n
return take(index + 1)\n } }\n return emptyList()\n}\n\n/**\n * Returns a list containing all elements
except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun FloatArray.dropLastWhile(predicate:
(Float) -> Boolean): List<Float> {\n for (index in lastIndex downTo 0) {\n if (!predicate(this[index])) {\n
return take(index + 1)\n } }\n return emptyList()\n}\n\n/**\n * Returns a list containing all elements
except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun DoubleArray.dropLastWhile(predicate:
(Double) -> Boolean): List<Double> {\n for (index in lastIndex downTo 0) {\n if (!predicate(this[index])) {\n
return take(index + 1)\n } }\n return emptyList()\n}\n\n/**\n * Returns a list containing all elements
except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun
BooleanArray.dropLastWhile(predicate: (Boolean) -> Boolean): List<Boolean> {\n for (index in lastIndex
downTo 0) {\n if (!predicate(this[index])) {\n return take(index + 1)\n } }\n return
emptyList()\n}\n\n/**\n * Returns a list containing all elements except last elements that satisfy the given
[predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n *\npublic inline fun
CharArray.dropLastWhile(predicate: (Char) -> Boolean): List<Char> {\n for (index in lastIndex downTo 0) {\n
if (!predicate(this[index])) {\n return take(index + 1)\n } }\n return emptyList()\n}\n\n/**\n *
Returns a list containing all elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *\npublic inline fun <T> Array<out
T>.dropWhile(predicate: (T) -> Boolean): List<T> {\n var yielding = false\n val list = ArrayList<T>()\n for
(item in this)\n if (yielding)\n list.add(item)\n else if (!predicate(item)) {\n list.add(item)\n
yielding = true\n }\n return list\n}\n\n/**\n * Returns a list containing all elements except first elements that

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satisfy the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n *^\npublic
inline fun ByteArray.dropWhile(predicate: (Byte) -> Boolean): List<Byte> {\n var yielding = false\n val list =
ArrayList<Byte>()\n for (item in this)\n if (yielding)\n list.add(item)\n else if (!predicate(item)) {\n
list.add(item)\n yielding = true\n }\n return list\n}\n\n/**\n * Returns a list containing all
elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *^\npublic inline fun ShortArray.dropWhile(predicate:
(Short) -> Boolean): List<Short> {\n var yielding = false\n val list = ArrayList<Short>()\n for (item in this)\n
if (yielding)\n list.add(item)\n else if (!predicate(item)) {\n list.add(item)\n yielding =
true\n }\n return list\n}\n\n/**\n * Returns a list containing all elements except first elements that satisfy the
given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n *^\npublic inline fun
IntArray.dropWhile(predicate: (Int) -> Boolean): List<Int> {\n var yielding = false\n val list =
ArrayList<Int>()\n for (item in this)\n if (yielding)\n list.add(item)\n else if (!predicate(item)) {\n
list.add(item)\n yielding = true\n }\n return list\n}\n\n/**\n * Returns a list containing all elements
except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *^\npublic inline fun LongArray.dropWhile(predicate:
(Long) -> Boolean): List<Long> {\n var yielding = false\n val list = ArrayList<Long>()\n for (item in this)\n
if (yielding)\n list.add(item)\n else if (!predicate(item)) {\n list.add(item)\n yielding =
true\n }\n return list\n}\n\n/**\n * Returns a list containing all elements except first elements that satisfy the
given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n *^\npublic inline fun
FloatArray.dropWhile(predicate: (Float) -> Boolean): List<Float> {\n var yielding = false\n val list =
ArrayList<Float>()\n for (item in this)\n if (yielding)\n list.add(item)\n else if (!predicate(item))
{\n list.add(item)\n yielding = true\n }\n return list\n}\n\n/**\n * Returns a list containing all
elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *^\npublic inline fun DoubleArray.dropWhile(predicate:
(Double) -> Boolean): List<Double> {\n var yielding = false\n val list = ArrayList<Double>()\n for (item in
this)\n if (yielding)\n list.add(item)\n else if (!predicate(item)) {\n list.add(item)\n
yielding = true\n }\n return list\n}\n\n/**\n * Returns a list containing all elements except first elements that
satisfy the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n *^\npublic
inline fun BooleanArray.dropWhile(predicate: (Boolean) -> Boolean): List<Boolean> {\n var yielding = false\n
val list = ArrayList<Boolean>()\n for (item in this)\n if (yielding)\n list.add(item)\n else if
(!predicate(item)) {\n list.add(item)\n yielding = true\n }\n return list\n}\n\n/**\n * Returns a list
containing all elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n *^\npublic inline fun CharArray.dropWhile(predicate:
(Char) -> Boolean): List<Char> {\n var yielding = false\n val list = ArrayList<Char>()\n for (item in this)\n
if (yielding)\n list.add(item)\n else if (!predicate(item)) {\n list.add(item)\n yielding =
true\n }\n return list\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n
*\n *^\npublic inline fun <T> Array<out T>.filter(predicate: (T) -> Boolean): List<T> {\n return
filterTo(ArrayList<T>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given
[predicate].\n * \n *^\npublic inline fun ByteArray.filter(predicate: (Byte) -> Boolean): List<Byte> {\n return
filterTo(ArrayList<Byte>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given
[predicate].\n * \n *^\npublic inline fun ShortArray.filter(predicate: (Short) -> Boolean): List<Short> {\n return
filterTo(ArrayList<Short>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given
[predicate].\n * \n *^\npublic inline fun IntArray.filter(predicate: (Int) -> Boolean): List<Int> {\n return
filterTo(ArrayList<Int>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given
[predicate].\n * \n *^\npublic inline fun LongArray.filter(predicate: (Long) -> Boolean): List<Long> {\n return
filterTo(ArrayList<Long>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given
[predicate].\n * \n *^\npublic inline fun FloatArray.filter(predicate: (Float) -> Boolean): List<Float> {\n return
filterTo(ArrayList<Float>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given

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[predicate].\n *\npublic inline fun DoubleArray.filter(predicate: (Double) -> Boolean): List<Double> {\n  return
filterTo(ArrayList<Double>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given
[predicate].\n *\npublic inline fun BooleanArray.filter(predicate: (Boolean) -> Boolean): List<Boolean> {\n
return filterTo(ArrayList<Boolean>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n *\npublic inline fun CharArray.filter(predicate: (Char) -> Boolean): List<Char> {\n  return
filterTo(ArrayList<Char>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given
[predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and returns
the result of predicate evaluation on the element.\n *\npublic inline fun <T> Array<out T>.filterIndexed(predicate:
(index: Int, T) -> Boolean): List<T> {\n  return filterIndexedTo(ArrayList<T>(), predicate)\n}\n\n/**\n * Returns a
list containing only elements matching the given [predicate].\n * @param [predicate] function that takes the index of
an element and the element itself\n * and returns the result of predicate evaluation on the element.\n *\npublic inline
fun ByteArray.filterIndexed(predicate: (index: Int, Byte) -> Boolean): List<Byte> {\n  return
filterIndexedTo(ArrayList<Byte>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n *\npublic inline fun ShortArray.filterIndexed(predicate:
(index: Int, Short) -> Boolean): List<Short> {\n  return filterIndexedTo(ArrayList<Short>(), predicate)\n}\n\n/**\n
* Returns a list containing only elements matching the given [predicate].\n * @param [predicate] function that takes
the index of an element and the element itself\n * and returns the result of predicate evaluation on the element.\n
*\npublic inline fun IntArray.filterIndexed(predicate: (index: Int, Int) -> Boolean): List<Int> {\n  return
filterIndexedTo(ArrayList<Int>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n *\npublic inline fun LongArray.filterIndexed(predicate:
(index: Int, Long) -> Boolean): List<Long> {\n  return filterIndexedTo(ArrayList<Long>(), predicate)\n}\n\n/**\n
* Returns a list containing only elements matching the given [predicate].\n * @param [predicate] function that takes
the index of an element and the element itself\n * and returns the result of predicate evaluation on the element.\n
*\npublic inline fun FloatArray.filterIndexed(predicate: (index: Int, Float) -> Boolean): List<Float> {\n  return
filterIndexedTo(ArrayList<Float>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n *\npublic inline fun
DoubleArray.filterIndexed(predicate: (index: Int, Double) -> Boolean): List<Double> {\n  return
filterIndexedTo(ArrayList<Double>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n *\npublic inline fun
BooleanArray.filterIndexed(predicate: (index: Int, Boolean) -> Boolean): List<Boolean> {\n  return
filterIndexedTo(ArrayList<Boolean>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching
the given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n *
and returns the result of predicate evaluation on the element.\n *\npublic inline fun
CharArray.filterIndexed(predicate: (index: Int, Char) -> Boolean): List<Char> {\n  return
filterIndexedTo(ArrayList<Char>(), predicate)\n}\n\n/**\n * Appends all elements matching the given [predicate] to
the given [destination].\n * @param [predicate] function that takes the index of an element and the element itself\n *
and returns the result of predicate evaluation on the element.\n *\npublic inline fun <T, C : MutableCollection<in
T>> Array<out T>.filterIndexedTo(destination: C, predicate: (index: Int, T) -> Boolean): C {\n  for<EachIndexed {
index, element ->\n    if (predicate(index, element)) destination.add(element)\n  }\n  return
destination\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n *
@param [predicate] function that takes the index of an element and the element itself\n * and returns the result of
predicate evaluation on the element.\n *\npublic inline fun <C : MutableCollection<in Byte>>
ByteArray.filterIndexedTo(destination: C, predicate: (index: Int, Byte) -> Boolean): C {\n  for<EachIndexed {
index, element ->\n    if (predicate(index, element)) destination.add(element)\n  }\n  return

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destination\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n *
@param [predicate] function that takes the index of an element and the element itself\n * and returns the result of
predicate evaluation on the element.\n */\npublic inline fun <C : MutableCollection<in Short>>
ShortArray.filterIndexedTo(destination: C, predicate: (index: Int, Short) -> Boolean): C {\n  forEachIndexed {
index, element ->\n    if (predicate(index, element)) destination.add(element)\n  }\n  return
destination\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n *
@param [predicate] function that takes the index of an element and the element itself\n * and returns the result of
predicate evaluation on the element.\n */\npublic inline fun <C : MutableCollection<in Int>>
IntArray.filterIndexedTo(destination: C, predicate: (index: Int, Int) -> Boolean): C {\n  forEachIndexed { index,
element ->\n    if (predicate(index, element)) destination.add(element)\n  }\n  return destination\n}\n\n/**\n *
Appends all elements matching the given [predicate] to the given [destination].\n * @param [predicate] function that
takes the index of an element and the element itself\n * and returns the result of predicate evaluation on the
element.\n */\npublic inline fun <C : MutableCollection<in Long>> LongArray.filterIndexedTo(destination: C,
predicate: (index: Int, Long) -> Boolean): C {\n  forEachIndexed { index, element ->\n    if (predicate(index,
element)) destination.add(element)\n  }\n  return destination\n}\n\n/**\n * Appends all elements matching the
given [predicate] to the given [destination].\n * @param [predicate] function that takes the index of an element and
the element itself\n * and returns the result of predicate evaluation on the element.\n */\npublic inline fun <C :
MutableCollection<in Float>> FloatArray.filterIndexedTo(destination: C, predicate: (index: Int, Float) -> Boolean):
C {\n  forEachIndexed { index, element ->\n    if (predicate(index, element)) destination.add(element)\n  }\n  return
destination\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n *
@param [predicate] function that takes the index of an element and the element itself\n * and returns the result of
predicate evaluation on the element.\n */\npublic inline fun <C : MutableCollection<in Double>>
DoubleArray.filterIndexedTo(destination: C, predicate: (index: Int, Double) -> Boolean): C {\n  forEachIndexed {
index, element ->\n    if (predicate(index, element)) destination.add(element)\n  }\n  return
destination\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n *
@param [predicate] function that takes the index of an element and the element itself\n * and returns the result of
predicate evaluation on the element.\n */\npublic inline fun <C : MutableCollection<in Boolean>>
BooleanArray.filterIndexedTo(destination: C, predicate: (index: Int, Boolean) -> Boolean): C {\n  forEachIndexed
{ index, element ->\n    if (predicate(index, element)) destination.add(element)\n  }\n  return
destination\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n *
@param [predicate] function that takes the index of an element and the element itself\n * and returns the result of
predicate evaluation on the element.\n */\npublic inline fun <C : MutableCollection<in Char>>
CharArray.filterIndexedTo(destination: C, predicate: (index: Int, Char) -> Boolean): C {\n  forEachIndexed {
index, element ->\n    if (predicate(index, element)) destination.add(element)\n  }\n  return
destination\n}\n\n/**\n * Returns a list containing all elements that are instances of specified type parameter R.\n */\npublic inline fun <reified R> Array<*>.filterIsInstance(): List<@kotlin.internal.NoInfer R> {\n  return
filterIsInstanceTo(ArrayList<R>())\n}\n\n/**\n * Appends all elements that are instances of specified type
parameter R to the given [destination].\n */\npublic inline fun <reified R, C : MutableCollection<in R>>
Array<*>.filterIsInstanceTo(destination: C): C {\n  for (element in this) if (element is R)
destination.add(element)\n  return destination\n}\n\n/**\n * Returns a list containing all elements not matching the
given [predicate].\n */\npublic inline fun <T> Array<out T>.filterNot(predicate: (T) -> Boolean): List<T> {\n  return
filterNotTo(ArrayList<T>(), predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the
given [predicate].\n */\npublic inline fun ByteArray.filterNot(predicate: (Byte) -> Boolean): List<Byte> {\n  return
filterNotTo(ArrayList<Byte>(), predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the
given [predicate].\n */\npublic inline fun ShortArray.filterNot(predicate: (Short) -> Boolean): List<Short> {\n  return
filterNotTo(ArrayList<Short>(), predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the
given [predicate].\n */\npublic inline fun IntArray.filterNot(predicate: (Int) -> Boolean): List<Int> {\n  return
filterNotTo(ArrayList<Int>(), predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the given

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[predicate].\n *\npublic inline fun LongArray.filterNot(predicate: (Long) -> Boolean): List<Long> {\n  return
filterNotTo(ArrayList<Long>(), predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the
given [predicate].\n *\npublic inline fun FloatArray.filterNot(predicate: (Float) -> Boolean): List<Float> {\n
return filterNotTo(ArrayList<Float>(), predicate)\n}\n\n/**\n * Returns a list containing all elements not matching
the given [predicate].\n *\npublic inline fun DoubleArray.filterNot(predicate: (Double) -> Boolean): List<Double>
{\n  return filterNotTo(ArrayList<Double>(), predicate)\n}\n\n/**\n * Returns a list containing all elements not
matching the given [predicate].\n *\npublic inline fun BooleanArray.filterNot(predicate: (Boolean) -> Boolean):
List<Boolean> {\n  return filterNotTo(ArrayList<Boolean>(), predicate)\n}\n\n/**\n * Returns a list containing all
elements not matching the given [predicate].\n *\npublic inline fun CharArray.filterNot(predicate: (Char) ->
Boolean): List<Char> {\n  return filterNotTo(ArrayList<Char>(), predicate)\n}\n\n/**\n * Returns a list containing
all elements that are not `null`.\n *\npublic fun <T : Any> Array<out T?.>.filterNotNull(): List<T> {\n  return
filterNotNullTo(ArrayList<T>())\n}\n\n/**\n * Appends all elements that are not `null` to the given [destination].\n
*\npublic fun <C : MutableCollection<in T>, T : Any> Array<out T?.>.filterNotNullTo(destination: C): C {\n  for
(element in this) if (element != null) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all
elements not matching the given [predicate] to the given [destination].\n *\npublic inline fun <T, C :
MutableCollection<in T>> Array<out T>.filterNotTo(destination: C, predicate: (T) -> Boolean): C {\n  for
(element in this) if (!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all
elements not matching the given [predicate] to the given [destination].\n *\npublic inline fun <C :
MutableCollection<in Byte>> ByteArray.filterNotTo(destination: C, predicate: (Byte) -> Boolean): C {\n  for
(element in this) if (!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all
elements not matching the given [predicate] to the given [destination].\n *\npublic inline fun <C :
MutableCollection<in Short>> ShortArray.filterNotTo(destination: C, predicate: (Short) -> Boolean): C {\n  for
(element in this) if (!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all
elements not matching the given [predicate] to the given [destination].\n *\npublic inline fun <C :
MutableCollection<in Int>> IntArray.filterNotTo(destination: C, predicate: (Int) -> Boolean): C {\n  for (element
in this) if (!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements
not matching the given [predicate] to the given [destination].\n *\npublic inline fun <C : MutableCollection<in
Long>> LongArray.filterNotTo(destination: C, predicate: (Long) -> Boolean): C {\n  for (element in this) if
(!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements not
matching the given [predicate] to the given [destination].\n *\npublic inline fun <C : MutableCollection<in
Float>> FloatArray.filterNotTo(destination: C, predicate: (Float) -> Boolean): C {\n  for (element in this) if
(!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements not
matching the given [predicate] to the given [destination].\n *\npublic inline fun <C : MutableCollection<in
Double>> DoubleArray.filterNotTo(destination: C, predicate: (Double) -> Boolean): C {\n  for (element in this) if
(!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements not
matching the given [predicate] to the given [destination].\n *\npublic inline fun <C : MutableCollection<in
Boolean>> BooleanArray.filterNotTo(destination: C, predicate: (Boolean) -> Boolean): C {\n  for (element in this)
if (!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements not
matching the given [predicate] to the given [destination].\n *\npublic inline fun <C : MutableCollection<in
Char>> CharArray.filterNotTo(destination: C, predicate: (Char) -> Boolean): C {\n  for (element in this) if
(!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements matching
the given [predicate] to the given [destination].\n *\npublic inline fun <T, C : MutableCollection<in T>> Array<out
T>.filterTo(destination: C, predicate: (T) -> Boolean): C {\n  for (element in this) if (predicate(element))
destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements matching the given [predicate] to
the given [destination].\n *\npublic inline fun <C : MutableCollection<in Byte>> ByteArray.filterTo(destination: C,
predicate: (Byte) -> Boolean): C {\n  for (element in this) if (predicate(element)) destination.add(element)\n
return destination\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n
*\npublic inline fun <C : MutableCollection<in Short>> ShortArray.filterTo(destination: C, predicate: (Short) ->

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Boolean): C {
  for (element in this) if (predicate(element)) destination.add(element)
  return destination
}
Append all elements matching the given [predicate] to the given [destination].
public inline fun <C : MutableCollection<in Int>> IntArray.filterTo(destination: C, predicate: (Int) -> Boolean):
C {
  for (element in this) if (predicate(element)) destination.add(element)
  return destination
}
Append all elements matching the given [predicate] to the given [destination].
public inline fun <C :
MutableCollection<in Long>> LongArray.filterTo(destination: C, predicate: (Long) -> Boolean): C {
  for (element in this) if (predicate(element)) destination.add(element)
  return destination
}
Append all elements matching the given [predicate] to the given [destination].
public inline fun <C :
MutableCollection<in Float>> FloatArray.filterTo(destination: C, predicate: (Float) -> Boolean): C {
  for (element in this) if (predicate(element)) destination.add(element)
  return destination
}
Append all elements matching the given [predicate] to the given [destination].
public inline fun <C :
MutableCollection<in Double>> DoubleArray.filterTo(destination: C, predicate: (Double) -> Boolean): C {
  for (element in this) if (predicate(element)) destination.add(element)
  return destination
}
Append all elements matching the given [predicate] to the given [destination].
public inline fun <C :
MutableCollection<in Boolean>> BooleanArray.filterTo(destination: C, predicate: (Boolean) -> Boolean): C {
  for (element in this) if (predicate(element)) destination.add(element)
  return destination
}
Append all elements matching the given [predicate] to the given [destination].
public inline fun <C :
MutableCollection<in Char>> CharArray.filterTo(destination: C, predicate: (Char) -> Boolean): C {
  for (element in this) if (predicate(element)) destination.add(element)
  return destination
}
Returns a list containing elements at indices in the specified [indices] range.
public fun <T> Array<out T>.slice(indices:
IntRange): List<T> {
  if (indices.isEmpty()) return listOf()
  return copyOfRange(indices.start,
indices.endInclusive + 1).asList()
}
Returns a list containing elements at indices in the specified
[indices] range.
public fun ByteArray.slice(indices: IntRange): List<Byte> {
  if (indices.isEmpty()) return
listOf()
  return copyOfRange(indices.start, indices.endInclusive + 1).asList()
}
Returns a list
containing elements at indices in the specified [indices] range.
public fun ShortArray.slice(indices: IntRange):
List<Short> {
  if (indices.isEmpty()) return listOf()
  return copyOfRange(indices.start, indices.endInclusive +
1).asList()
}
Returns a list containing elements at indices in the specified [indices] range.
public fun IntArray.slice(indices: IntRange): List<Int> {
  if (indices.isEmpty()) return listOf()
  return
copyOfRange(indices.start, indices.endInclusive + 1).asList()
}
Returns a list containing elements at
indices in the specified [indices] range.
public fun LongArray.slice(indices: IntRange): List<Long> {
  if (indices.isEmpty()) return listOf()
  return copyOfRange(indices.start, indices.endInclusive +
1).asList()
}
Returns a list containing elements at indices in the specified [indices] range.
public fun FloatArray.slice(indices: IntRange): List<Float> {
  if (indices.isEmpty()) return listOf()
  return
copyOfRange(indices.start, indices.endInclusive + 1).asList()
}
Returns a list containing elements at
indices in the specified [indices] range.
public fun DoubleArray.slice(indices: IntRange): List<Double> {
  if (indices.isEmpty()) return listOf()
  return copyOfRange(indices.start, indices.endInclusive +
1).asList()
}
Returns a list containing elements at indices in the specified [indices] range.
public fun BooleanArray.slice(indices: IntRange): List<Boolean> {
  if (indices.isEmpty()) return listOf()
  return
copyOfRange(indices.start, indices.endInclusive + 1).asList()
}
Returns a list containing elements at
indices in the specified [indices] range.
public fun CharArray.slice(indices: IntRange): List<Char> {
  if (indices.isEmpty()) return listOf()
  return copyOfRange(indices.start, indices.endInclusive +
1).asList()
}
Returns a list containing elements at specified [indices].
public fun <T> Array<out
T>.slice(indices: Iterable<Int>): List<T> {
  val size = indices.collectionSizeOrDefault(10)
  if (size == 0)
return emptyList()
  val list = ArrayList<T>(size)
  for (index in indices) {
    list.add(get(index))
  }
  return list
}
Returns a list containing elements at specified [indices].
public fun
ByteArray.slice(indices: Iterable<Int>): List<Byte> {
  val size = indices.collectionSizeOrDefault(10)
  if (size
== 0) return emptyList()
  val list = ArrayList<Byte>(size)
  for (index in indices) {
    list.add(get(index))
  }
  return list
}
Returns a list containing elements at specified [indices].
public fun

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ShortArray.slice(indices: Iterable<Int>): List<Short> {\n  val size = indices.collectionSizeOrDefault(10)\n  if
(size == 0) return emptyList()\n  val list = ArrayList<Short>(size)\n  for (index in indices) {\n
list.add(get(index))\n  }\n  return list\n}\n\n/**\n * Returns a list containing elements at specified [indices].\n
*/\n\npublic fun IntArray.slice(indices: Iterable<Int>): List<Int> {\n  val size =
indices.collectionSizeOrDefault(10)\n  if (size == 0) return emptyList()\n  val list = ArrayList<Int>(size)\n
for (index in indices) {\n  list.add(get(index))\n  }\n  return list\n}\n\n/**\n * Returns a list containing elements at
specified [indices].\n */\n\npublic fun LongArray.slice(indices: Iterable<Int>): List<Long> {\n  val size =
indices.collectionSizeOrDefault(10)\n  if (size == 0) return emptyList()\n  val list = ArrayList<Long>(size)\n
for (index in indices) {\n  list.add(get(index))\n  }\n  return list\n}\n\n/**\n * Returns a list containing
elements at specified [indices].\n */\n\npublic fun FloatArray.slice(indices: Iterable<Int>): List<Float> {\n  val size =
indices.collectionSizeOrDefault(10)\n  if (size == 0) return emptyList()\n  val list = ArrayList<Float>(size)\n
for (index in indices) {\n  list.add(get(index))\n  }\n  return list\n}\n\n/**\n * Returns a list containing
elements at specified [indices].\n */\n\npublic fun DoubleArray.slice(indices: Iterable<Int>): List<Double> {\n  val
size = indices.collectionSizeOrDefault(10)\n  if (size == 0) return emptyList()\n  val list =
ArrayList<Double>(size)\n  for (index in indices) {\n  list.add(get(index))\n  }\n  return list\n}\n\n/**\n *
Returns a list containing elements at specified [indices].\n */\n\npublic fun BooleanArray.slice(indices: Iterable<Int>):
List<Boolean> {\n  val size = indices.collectionSizeOrDefault(10)\n  if (size == 0) return emptyList()\n  val list
= ArrayList<Boolean>(size)\n  for (index in indices) {\n  list.add(get(index))\n  }\n  return list\n}\n\n/**\n *
Returns a list containing elements at specified [indices].\n */\n\npublic fun CharArray.slice(indices: Iterable<Int>):
List<Char> {\n  val size = indices.collectionSizeOrDefault(10)\n  if (size == 0) return emptyList()\n  val list =
ArrayList<Char>(size)\n  for (index in indices) {\n  list.add(get(index))\n  }\n  return list\n}\n\n/**\n *
Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun <T>
Array<T>.sliceArray(indices: Collection<Int>): Array<T> {\n  val result = arrayOfNulls(this, indices.size)\n  var
targetIndex = 0\n  for (sourceIndex in indices) {\n  result[targetIndex++] = this[sourceIndex]\n  }\n  return
result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun
ByteArray.sliceArray(indices: Collection<Int>): ByteArray {\n  val result = ByteArray(indices.size)\n  var
targetIndex = 0\n  for (sourceIndex in indices) {\n  result[targetIndex++] = this[sourceIndex]\n  }\n  return
result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun
ShortArray.sliceArray(indices: Collection<Int>): ShortArray {\n  val result = ShortArray(indices.size)\n  var
targetIndex = 0\n  for (sourceIndex in indices) {\n  result[targetIndex++] = this[sourceIndex]\n  }\n  return
result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun
IntArray.sliceArray(indices: Collection<Int>): IntArray {\n  val result = IntArray(indices.size)\n  var targetIndex
= 0\n  for (sourceIndex in indices) {\n  result[targetIndex++] = this[sourceIndex]\n  }\n  return
result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun
LongArray.sliceArray(indices: Collection<Int>): LongArray {\n  val result = LongArray(indices.size)\n  var
targetIndex = 0\n  for (sourceIndex in indices) {\n  result[targetIndex++] = this[sourceIndex]\n  }\n  return
result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun
FloatArray.sliceArray(indices: Collection<Int>): FloatArray {\n  val result = FloatArray(indices.size)\n  var
targetIndex = 0\n  for (sourceIndex in indices) {\n  result[targetIndex++] = this[sourceIndex]\n  }\n  return
result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun
DoubleArray.sliceArray(indices: Collection<Int>): DoubleArray {\n  val result = DoubleArray(indices.size)\n  var
targetIndex = 0\n  for (sourceIndex in indices) {\n  result[targetIndex++] = this[sourceIndex]\n  }\n  return
result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun
BooleanArray.sliceArray(indices: Collection<Int>): BooleanArray {\n  val result = BooleanArray(indices.size)\n  var
targetIndex = 0\n  for (sourceIndex in indices) {\n  result[targetIndex++] = this[sourceIndex]\n  }\n  return
result\n}\n\n/**\n * Returns an array containing elements of this array at specified [indices].\n */\n\npublic fun
CharArray.sliceArray(indices: Collection<Int>): CharArray {\n  val result = CharArray(indices.size)\n  var
targetIndex = 0\n  for (sourceIndex in indices) {\n  result[targetIndex++] = this[sourceIndex]\n  }\n  return
}

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result\n}\n\n/**\n * Returns an array containing elements at indices in the specified [indices] range.\n */\npublic fun
<T> Array<T>.sliceArray(indices: IntRange): Array<T> {\n    if (indices.isEmpty()) return copyOfRange(0, 0)\n    return copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns an array containing elements at
indices in the specified [indices] range.\n */\npublic fun ByteArray.sliceArray(indices: IntRange): ByteArray {\n    if
(indices.isEmpty()) return ByteArray(0)\n    return copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n
* Returns an array containing elements at indices in the specified [indices] range.\n */\npublic fun
ShortArray.sliceArray(indices: IntRange): ShortArray {\n    if (indices.isEmpty()) return ShortArray(0)\n    return
copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns an array containing elements at indices
in the specified [indices] range.\n */\npublic fun IntArray.sliceArray(indices: IntRange): IntArray {\n    if
(indices.isEmpty()) return IntArray(0)\n    return copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n
* Returns an array containing elements at indices in the specified [indices] range.\n */\npublic fun
LongArray.sliceArray(indices: IntRange): LongArray {\n    if (indices.isEmpty()) return LongArray(0)\n    return
copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns an array containing elements at indices
in the specified [indices] range.\n */\npublic fun FloatArray.sliceArray(indices: IntRange): FloatArray {\n    if
(indices.isEmpty()) return FloatArray(0)\n    return copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n
* Returns an array containing elements at indices in the specified [indices] range.\n */\npublic fun
DoubleArray.sliceArray(indices: IntRange): DoubleArray {\n    if (indices.isEmpty()) return DoubleArray(0)\n    return
copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns an array containing elements at
indices in the specified [indices] range.\n */\npublic fun BooleanArray.sliceArray(indices: IntRange): BooleanArray
{\n    if (indices.isEmpty()) return BooleanArray(0)\n    return copyOfRange(indices.start, indices.endInclusive +
1)\n}\n\n/**\n * Returns an array containing elements at indices in the specified [indices] range.\n */\npublic fun
CharArray.sliceArray(indices: IntRange): CharArray {\n    if (indices.isEmpty()) return CharArray(0)\n    return
copyOfRange(indices.start, indices.endInclusive + 1)\n}\n\n/**\n * Returns a list containing first [n] elements.\n */\n
* @throws IllegalArgumentException if [n] is negative.\n */\n * @sample
samples.collections.Collections.Transformations.take\n */\npublic fun <T> Array<out T>.take(n: Int): List<T> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    if (n >=
size) return toList()\n    if (n == 1) return listOf(this[0])\n    var count = 0\n    val list = ArrayList<T>(n)\n    for
(item in this) {\n        list.add(item)\n        if (++count == n)\n            break\n    }\n    return list\n}\n\n/**\n
* Returns a list containing first [n] elements.\n */\n * @throws IllegalArgumentException if [n] is negative.\n */\n * @sample
samples.collections.Collections.Transformations.take\n */\npublic fun ByteArray.take(n: Int): List<Byte> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    if (n >=
size) return toList()\n    if (n == 1) return listOf(this[0])\n    var count = 0\n    val list = ArrayList<Byte>(n)\n    for
(item in this) {\n        list.add(item)\n        if (++count == n)\n            break\n    }\n    return list\n}\n\n/**\n
* Returns a list containing first [n] elements.\n */\n * @throws IllegalArgumentException if [n] is negative.\n */\n * @sample
samples.collections.Collections.Transformations.take\n */\npublic fun ShortArray.take(n: Int): List<Short> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    if (n >=
size) return toList()\n    if (n == 1) return listOf(this[0])\n    var count = 0\n    val list = ArrayList<Short>(n)\n    for
(item in this) {\n        list.add(item)\n        if (++count == n)\n            break\n    }\n    return list\n}\n\n/**\n
* Returns a list containing first [n] elements.\n */\n * @throws IllegalArgumentException if [n] is negative.\n */\n * @sample
samples.collections.Collections.Transformations.take\n */\npublic fun IntArray.take(n: Int): List<Int> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    if (n >=
size) return toList()\n    if (n == 1) return listOf(this[0])\n    var count = 0\n    val list = ArrayList<Int>(n)\n    for
(item in this) {\n        list.add(item)\n        if (++count == n)\n            break\n    }\n    return list\n}\n\n/**\n
* Returns a list containing first [n] elements.\n */\n * @throws IllegalArgumentException if [n] is negative.\n */\n * @sample
samples.collections.Collections.Transformations.take\n */\npublic fun LongArray.take(n: Int): List<Long> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    if (n >=
size) return toList()\n    if (n == 1) return listOf(this[0])\n    var count = 0\n    val list = ArrayList<Long>(n)\n    for
(item in this) {\n        list.add(item)\n        if (++count == n)\n            break\n    }\n    return list\n}\n\n/**\n
* Returns

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a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n * \n public fun FloatArray.take(n: Int): List<Float> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n if (n >=
size) return toList()\n if (n == 1) return listOf(this[0])\n var count = 0\n val list = ArrayList<Float>(n)\n for
(item in this) {\n list.add(item)\n if (++count == n)\n break\n }\n return list\n}\n\n/**\n * Returns
a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n * \n public fun DoubleArray.take(n: Int): List<Double> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n if (n >=
size) return toList()\n if (n == 1) return listOf(this[0])\n var count = 0\n val list = ArrayList<Double>(n)\n
for (item in this) {\n list.add(item)\n if (++count == n)\n break\n }\n return list\n}\n\n/**\n *
Returns a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n *
@sample samples.collections.Collections.Transformations.take\n * \n public fun BooleanArray.take(n: Int):
List<Boolean> {\n require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return
emptyList()\n if (n >= size) return toList()\n if (n == 1) return listOf(this[0])\n var count = 0\n val list =
ArrayList<Boolean>(n)\n for (item in this) {\n list.add(item)\n if (++count == n)\n break\n }\n
return list\n}\n\n/**\n * Returns a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if
[n] is negative.\n * \n * @sample samples.collections.Collections.Transformations.take\n * \n public fun
CharArray.take(n: Int): List<Char> {\n require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if
(n == 0) return emptyList()\n if (n >= size) return toList()\n if (n == 1) return listOf(this[0])\n var count = 0\n
val list = ArrayList<Char>(n)\n for (item in this) {\n list.add(item)\n if (++count == n)\n break\n
}\n return list\n}\n\n/**\n * Returns a list containing last [n] elements.\n * \n * @throws
IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n * \n public fun <T> Array<out T>.takeLast(n: Int): List<T>
{\n require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n val
size = size\n if (n >= size) return toList()\n if (n == 1) return listOf(this[size - 1])\n val list =
ArrayList<T>(n)\n for (index in size - n until size)\n list.add(this[index])\n return list\n}\n\n/**\n *
Returns a list containing last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n *
@sample samples.collections.Collections.Transformations.take\n * \n public fun ByteArray.takeLast(n: Int): List<Byte> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n val size =
size\n if (n >= size) return toList()\n if (n == 1) return listOf(this[size - 1])\n val list = ArrayList<Byte>(n)\n
for (index in size - n until size)\n list.add(this[index])\n return list\n}\n\n/**\n * Returns a list containing last
[n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n * \n public fun ShortArray.takeLast(n: Int): List<Short> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n val size =
size\n if (n >= size) return toList()\n if (n == 1) return listOf(this[size - 1])\n val list = ArrayList<Short>(n)\n
for (index in size - n until size)\n list.add(this[index])\n return list\n}\n\n/**\n * Returns a list containing last
[n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n * \n public fun IntArray.takeLast(n: Int): List<Int> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n val size =
size\n if (n >= size) return toList()\n if (n == 1) return listOf(this[size - 1])\n val list = ArrayList<Int>(n)\n
for (index in size - n until size)\n list.add(this[index])\n return list\n}\n\n/**\n * Returns a list containing last
[n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n * \n public fun LongArray.takeLast(n: Int): List<Long> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n if (n == 0) return emptyList()\n val size =
size\n if (n >= size) return toList()\n if (n == 1) return listOf(this[size - 1])\n val list = ArrayList<Long>(n)\n
for (index in size - n until size)\n list.add(this[index])\n return list\n}\n\n/**\n * Returns a list containing last
[n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n * \n public fun FloatArray.takeLast(n: Int): List<Float> {\n

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require(n >= 0) { \"Requested element count $n is less than zero.\" } \n  if (n == 0) return emptyList()\n  val size =
size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list = ArrayList<Float>(n)\n
for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n * Returns a list containing last
[n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic fun DoubleArray.takeLast(n: Int): List<Double>
{\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return emptyList()\n  val
size = size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list =
ArrayList<Double>(n)\n  for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n *
Returns a list containing last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n *
@sample samples.collections.Collections.Transformations.take\n *\npublic fun BooleanArray.takeLast(n: Int):
List<Boolean> {\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return
emptyList()\n  val size = size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list
= ArrayList<Boolean>(n)\n  for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n *
Returns a list containing last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n *
@sample samples.collections.Collections.Transformations.take\n *\npublic fun CharArray.takeLast(n: Int):
List<Char> {\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return
emptyList()\n  val size = size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list
= ArrayList<Char>(n)\n  for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n *
Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun <T> Array<out
T>.takeLastWhile(predicate: (T) -> Boolean): List<T> {\n  for (index in lastIndex downTo 0) {\n    if
(!predicate(this[index])) {\n      return drop(index + 1)\n    }\n  }\n  return toList()\n}\n\n/**\n * Returns a
list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun ByteArray.takeLastWhile(predicate:
(Byte) -> Boolean): List<Byte> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index])) {\n
return drop(index + 1)\n    }\n  }\n  return toList()\n}\n\n/**\n * Returns a list containing last elements
satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n *\npublic
inline fun ShortArray.takeLastWhile(predicate: (Short) -> Boolean): List<Short> {\n  for (index in lastIndex
downTo 0) {\n    if (!predicate(this[index])) {\n      return drop(index + 1)\n    }\n  }\n  return
toList()\n}\n\n/**\n * Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun IntArray.takeLastWhile(predicate: (Int)
-> Boolean): List<Int> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index])) {\n      return
drop(index + 1)\n    }\n  }\n  return toList()\n}\n\n/**\n * Returns a list containing last elements satisfying the
given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n *\npublic inline fun
LongArray.takeLastWhile(predicate: (Long) -> Boolean): List<Long> {\n  for (index in lastIndex downTo 0) {\n
if (!predicate(this[index])) {\n      return drop(index + 1)\n    }\n  }\n  return toList()\n}\n\n/**\n * Returns
a list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun FloatArray.takeLastWhile(predicate:
(Float) -> Boolean): List<Float> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index])) {\n
return drop(index + 1)\n    }\n  }\n  return toList()\n}\n\n/**\n * Returns a list containing last elements
satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n *\npublic
inline fun DoubleArray.takeLastWhile(predicate: (Double) -> Boolean): List<Double> {\n  for (index in lastIndex
downTo 0) {\n    if (!predicate(this[index])) {\n      return drop(index + 1)\n    }\n  }\n  return
toList()\n}\n\n/**\n * Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun
BooleanArray.takeLastWhile(predicate: (Boolean) -> Boolean): List<Boolean> {\n  for (index in lastIndex
downTo 0) {\n    if (!predicate(this[index])) {\n      return drop(index + 1)\n    }\n  }\n  return
toList()\n}\n\n/**\n * Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample

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samples.collections.Collections.Transformations.take\n *^\npublic inline fun CharArray.takeLastWhile(predicate:
(Char) -> Boolean): List<Char> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index])) {\n
return drop(index + 1)\n    }\n  }\n  return toList()\n}\n\n/**\n * Returns a list containing first elements
satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n *^\npublic
inline fun <T> Array<out T>.takeWhile(predicate: (T) -> Boolean): List<T> {\n  val list = ArrayList<T>()\n  for
(item in this) {\n    if (!predicate(item))\n      break\n    list.add(item)\n  }\n  return list\n}\n\n/**\n *
Returns a list containing first elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic inline fun ByteArray.takeWhile(predicate: (Byte)
-> Boolean): List<Byte> {\n  val list = ArrayList<Byte>()\n  for (item in this) {\n    if (!predicate(item))\n
break\n    list.add(item)\n  }\n  return list\n}\n\n/**\n * Returns a list containing first elements satisfying the
given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n *^\npublic inline fun
ShortArray.takeWhile(predicate: (Short) -> Boolean): List<Short> {\n  val list = ArrayList<Short>()\n  for (item
in this) {\n    if (!predicate(item))\n      break\n    list.add(item)\n  }\n  return list\n}\n\n/**\n * Returns a
list containing first elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic inline fun IntArray.takeWhile(predicate: (Int) ->
Boolean): List<Int> {\n  val list = ArrayList<Int>()\n  for (item in this) {\n    if (!predicate(item))\n
break\n    list.add(item)\n  }\n  return list\n}\n\n/**\n * Returns a list containing first elements satisfying the
given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n *^\npublic inline fun
LongArray.takeWhile(predicate: (Long) -> Boolean): List<Long> {\n  val list = ArrayList<Long>()\n  for (item
in this) {\n    if (!predicate(item))\n      break\n    list.add(item)\n  }\n  return list\n}\n\n/**\n * Returns a
list containing first elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic inline fun FloatArray.takeWhile(predicate:
(Float) -> Boolean): List<Float> {\n  val list = ArrayList<Float>()\n  for (item in this) {\n    if
(!predicate(item))\n      break\n    list.add(item)\n  }\n  return list\n}\n\n/**\n * Returns a list containing first
elements satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n
*^\npublic inline fun DoubleArray.takeWhile(predicate: (Double) -> Boolean): List<Double> {\n  val list =
ArrayList<Double>()\n  for (item in this) {\n    if (!predicate(item))\n      break\n    list.add(item)\n  }\n
return list\n}\n\n/**\n * Returns a list containing first elements satisfying the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.take\n *^\npublic inline fun BooleanArray.takeWhile(predicate:
(Boolean) -> Boolean): List<Boolean> {\n  val list = ArrayList<Boolean>()\n  for (item in this) {\n    if
(!predicate(item))\n      break\n    list.add(item)\n  }\n  return list\n}\n\n/**\n * Returns a list containing first
elements satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n
*^\npublic inline fun CharArray.takeWhile(predicate: (Char) -> Boolean): List<Char> {\n  val list =
ArrayList<Char>()\n  for (item in this) {\n    if (!predicate(item))\n      break\n    list.add(item)\n  }\n
return list\n}\n\n/**\n * Reverses elements in the array in-place.\n *^\npublic fun <T> Array<T>.reverse(): Unit {\n
val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var reverseIndex = lastIndex\n  for (index in
0..midPoint) {\n    val tmp = this[index]\n    this[index] = this[reverseIndex]\n    this[reverseIndex] = tmp\n
reverseIndex--\n  }\n}\n\n/**\n * Reverses elements in the array in-place.\n *^\npublic fun ByteArray.reverse():
Unit {\n  val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var reverseIndex = lastIndex\n  for (index
in 0..midPoint) {\n    val tmp = this[index]\n    this[index] = this[reverseIndex]\n    this[reverseIndex] = tmp\n
reverseIndex--\n  }\n}\n\n/**\n * Reverses elements in the array in-place.\n *^\npublic fun ShortArray.reverse():
Unit {\n  val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var reverseIndex = lastIndex\n  for (index
in 0..midPoint) {\n    val tmp = this[index]\n    this[index] = this[reverseIndex]\n    this[reverseIndex] = tmp\n
reverseIndex--\n  }\n}\n\n/**\n * Reverses elements in the array in-place.\n *^\npublic fun IntArray.reverse():
Unit {\n  val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var reverseIndex = lastIndex\n  for (index
in 0..midPoint) {\n    val tmp = this[index]\n    this[index] = this[reverseIndex]\n    this[reverseIndex] = tmp\n
reverseIndex--\n  }\n}\n\n/**\n * Reverses elements in the array in-place.\n *^\npublic fun LongArray.reverse():
Unit {\n  val midPoint = (size / 2) - 1\n  if (midPoint < 0) return\n  var reverseIndex = lastIndex\n  for (index
in

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0..midPoint) {\n    val tmp = this[index]\n    this[index] = this[reverseIndex]\n    this[reverseIndex] = tmp\n    reverseIndex--\n } }\n\n/**\n * Reverses elements in the array in-place.\n */\npublic fun FloatArray.reverse():  
Unit {\n    val midPoint = (size / 2) - 1\n    if (midPoint < 0) return\n    var reverseIndex = lastIndex\n    for (index in 0..midPoint) {\n        val tmp = this[index]\n        this[index] = this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    } }\n\n/**\n * Reverses elements in the array in-place.\n */\npublic fun  
DoubleArray.reverse(): Unit {\n    val midPoint = (size / 2) - 1\n    if (midPoint < 0) return\n    var reverseIndex =  
lastIndex\n    for (index in 0..midPoint) {\n        val tmp = this[index]\n        this[index] = this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    } }\n\n/**\n * Reverses elements in the array in-place.\n */\npublic fun BooleanArray.reverse(): Unit {\n    val midPoint = (size / 2) - 1\n    if (midPoint < 0) return\n    var  
reverseIndex = lastIndex\n    for (index in 0..midPoint) {\n        val tmp = this[index]\n        this[index] =  
this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    } }\n\n/**\n * Reverses elements in the  
array in-place.\n */\npublic fun CharArray.reverse(): Unit {\n    val midPoint = (size / 2) - 1\n    if (midPoint < 0)  
return\n    var reverseIndex = lastIndex\n    for (index in 0..midPoint) {\n        val tmp = this[index]\n        this[index]  
= this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    } }\n\n/**\n * Returns a list with  
elements in reversed order.\n */\npublic fun <T> Array<out T>.reversed(): List<T> {\n    if (isEmpty()) return  
emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements  
in reversed order.\n */\npublic fun ByteArray.reversed(): List<Byte> {\n    if (isEmpty()) return emptyList()\n    val  
list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n */\npublic fun ShortArray.reversed(): List<Short> {\n    if (isEmpty()) return emptyList()\n    val list =  
toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n */\npublic fun IntArray.reversed(): List<Int> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n */\npublic fun  
LongArray.reversed(): List<Long> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n */\npublic fun  
FloatArray.reversed(): List<Float> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n */\npublic fun  
DoubleArray.reversed(): List<Double> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n */\npublic fun  
BooleanArray.reversed(): List<Boolean> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n */\npublic fun  
CharArray.reversed(): List<Char> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns an array with elements of this array in reversed order.\n */\npublic  
fun <T> Array<T>.reversedArray(): Array<T> {\n    if (isEmpty()) return this\n    val result = arrayOfNulls(this,  
size)\n    val lastIndex = lastIndex\n    for (i in 0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return  
result\n}\n\n/**\n * Returns an array with elements of this array in reversed order.\n */\npublic fun  
ByteArray.reversedArray(): ByteArray {\n    if (isEmpty()) return this\n    val result = ByteArray(size)\n    val  
lastIndex = lastIndex\n    for (i in 0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return result\n}\n\n/**\n *  
Returns an array with elements of this array in reversed order.\n */\npublic fun ShortArray.reversedArray():  
ShortArray {\n    if (isEmpty()) return this\n    val result = ShortArray(size)\n    val lastIndex = lastIndex\n    for (i in  
0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return result\n}\n\n/**\n * Returns an array with elements of this  
array in reversed order.\n */\npublic fun IntArray.reversedArray(): IntArray {\n    if (isEmpty()) return this\n    val  
result = IntArray(size)\n    val lastIndex = lastIndex\n    for (i in 0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return  
result\n}\n\n/**\n * Returns an array with elements of this array in reversed order.\n */\npublic fun  
LongArray.reversedArray(): LongArray {\n    if (isEmpty()) return this\n    val result = LongArray(size)\n    val  
lastIndex = lastIndex\n    for (i in 0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return result\n}\n\n/**\n *  
Returns an array with elements of this array in reversed order.\n */\npublic fun FloatArray.reversedArray():  
FloatArray {\n    if (isEmpty()) return this\n    val result = FloatArray(size)\n    val lastIndex = lastIndex\n    for (i in  
0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return result\n}\n\n/**\n * Returns an array with elements of this

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array in reversed order.\n */\npublic fun DoubleArray.reversedArray(): DoubleArray {\n    if (isEmpty()) return this\n    val result = DoubleArray(size)\n    val lastIndex = lastIndex\n    for (i in 0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return result\n}\n\n/**\n * Returns an array with elements of this array in reversed order.\n */\npublic fun BooleanArray.reversedArray(): BooleanArray {\n    if (isEmpty()) return this\n    val result = BooleanArray(size)\n    val lastIndex = lastIndex\n    for (i in 0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return result\n}\n\n/**\n * Returns an array with elements of this array in reversed order.\n */\npublic fun CharArray.reversedArray(): CharArray {\n    if (isEmpty()) return this\n    val result = CharArray(size)\n    val lastIndex = lastIndex\n    for (i in 0..lastIndex)\n        result[lastIndex - i] = this[i]\n    return result\n}\n\n/**\n * Sorts elements in the array in-place according to natural sort order of the value returned by specified [selector] function.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n */\npublic inline fun <T, R : Comparable<R>> Array<out T>.sortBy(crossinline selector: (T) -> R?): Unit {\n    if (size > 1) sortByWith(compareBy(selector))\n}\n\n/**\n * Sorts elements in the array in-place descending according to natural sort order of the value returned by specified [selector] function.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n */\npublic inline fun <T, R : Comparable<R>> Array<out T>.sortByDescending(crossinline selector: (T) -> R?): Unit {\n    if (size > 1) sortByDescendingWith(compareByDescending(selector))\n}\n\n/**\n * Sorts elements in the array in-place descending according to their natural sort order.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n */\npublic fun <T : Comparable<T>> Array<out T>.sortDescending(): Unit {\n    sortByDescending(reverseOrder())\n}\n\n/**\n * Sorts elements in the array in-place descending according to their natural sort order.\n */\npublic fun ByteArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Sorts elements in the array in-place descending according to their natural sort order.\n */\npublic fun ShortArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Sorts elements in the array in-place descending according to their natural sort order.\n */\npublic fun IntArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Sorts elements in the array in-place descending according to their natural sort order.\n */\npublic fun LongArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Sorts elements in the array in-place descending according to their natural sort order.\n */\npublic fun FloatArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Sorts elements in the array in-place descending according to their natural sort order.\n */\npublic fun DoubleArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Sorts elements in the array in-place descending according to their natural sort order.\n */\npublic fun CharArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n */\npublic fun <T : Comparable<T>> Array<out T>.sorted(): List<T> {\n    return sortedArray().asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */\npublic fun ByteArray.sorted(): List<Byte> {\n    return toTypedArray().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */\npublic fun ShortArray.sorted(): List<Short> {\n    return toTypedArray().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */\npublic fun IntArray.sorted(): List<Int> {\n    return toTypedArray().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */\npublic fun LongArray.sorted(): List<Long> {\n    return toTypedArray().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */\npublic fun FloatArray.sorted(): List<Float> {\n    return toTypedArray().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */\npublic fun DoubleArray.sorted(): List<Double> {\n    return toTypedArray().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all elements sorted according to their natural sort order.\n */\npublic fun CharArray.sorted(): List<Char> {\n    return toTypedArray().apply { sort() }.asList()\n}\n\n/**\n * Returns an array with all elements of this array sorted according to their natural sort order.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n */\npublic fun <T : Comparable<T>> Array<T>.sortedArray(): Array<T> {\n
```

```

if (isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted according to their natural sort order.\n */\npublic fun ByteArray.sortedArray(): ByteArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted according to their natural sort order.\n */\npublic fun ShortArray.sortedArray(): ShortArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted according to their natural sort order.\n */\npublic fun IntArray.sortedArray(): IntArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted according to their natural sort order.\n */\npublic fun LongArray.sortedArray(): LongArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted according to their natural sort order.\n */\npublic fun FloatArray.sortedArray(): FloatArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted according to their natural sort order.\n */\npublic fun DoubleArray.sortedArray(): DoubleArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements
of this array sorted according to their natural sort order.\n */\npublic fun CharArray.sortedArray(): CharArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted descending according to their natural sort order.\n * \n * The sort is _stable_. It means that equal
elements preserve their order relative to each other after sorting.\n */\npublic fun <T : Comparable<T>>
Array<T>.sortedArrayDescending(): Array<T> {\n    if (isEmpty()) return this\n    return this.copyOf().apply {
sortWith(reverseOrder()) }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending
according to their natural sort order.\n */\npublic fun ByteArray.sortedArrayDescending(): ByteArray {\n    if
(isEmpty()) return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns an array with all
elements of this array sorted descending according to their natural sort order.\n */\npublic fun
ShortArray.sortedArrayDescending(): ShortArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply {
sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending according to
their natural sort order.\n */\npublic fun IntArray.sortedArrayDescending(): IntArray {\n    if (isEmpty()) return
this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this
array sorted descending according to their natural sort order.\n */\npublic fun LongArray.sortedArrayDescending():
LongArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns
an array with all elements of this array sorted descending according to their natural sort order.\n */\npublic fun
FloatArray.sortedArrayDescending(): FloatArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply {
sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending according to
their natural sort order.\n */\npublic fun DoubleArray.sortedArrayDescending(): DoubleArray {\n    if (isEmpty())
return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns an array with all elements of
this array sorted descending according to their natural sort order.\n */\npublic fun
CharArray.sortedArrayDescending(): CharArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply {
sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this array sorted according the specified
[comparator].\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other
after sorting.\n */\npublic fun <T> Array<out T>.sortedArrayWith(comparator: Comparator<in T>): Array<out T>
{\n    if (isEmpty()) return this\n    return this.copyOf().apply { sortWith(comparator) }\n}\n\n/**\n * Returns a list
of all elements sorted according to natural sort order of the value returned by specified [selector] function.\n * \n *
The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n */\n
public inline fun <T, R : Comparable<R>> Array<out T>.sortedBy(crossinline selector: (T) -> R?): List<T> {\n    return
sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort
order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>>
ByteArray.sortedBy(crossinline selector: (Byte) -> R?): List<Byte> {\n    return
sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort
order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>>
ShortArray.sortedBy(crossinline selector: (Short) -> R?): List<Short> {\n    return

```

sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> IntArray.sortedBy(crossinline selector: (Int) -> R?): List<Int> {\n return sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> LongArray.sortedBy(crossinline selector: (Long) -> R?): List<Long> {\n return sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> FloatArray.sortedBy(crossinline selector: (Float) -> R?): List<Float> {\n return sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> DoubleArray.sortedBy(crossinline selector: (Double) -> R?): List<Double> {\n return sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> BooleanArray.sortedBy(crossinline selector: (Boolean) -> R?): List<Boolean> {\n return sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> CharArray.sortedBy(crossinline selector: (Char) -> R?): List<Char> {\n return sortedWith(compareBy(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n */\npublic inline fun <T, R : Comparable<R>> Array<out T>.sortedByDescending(crossinline selector: (T) -> R?): List<T> {\n return sortedWith(compareByDescending(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> ByteArray.sortedByDescending(crossinline selector: (Byte) -> R?): List<Byte> {\n return sortedWith(compareByDescending(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> ShortArray.sortedByDescending(crossinline selector: (Short) -> R?): List<Short> {\n return sortedWith(compareByDescending(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> IntArray.sortedByDescending(crossinline selector: (Int) -> R?): List<Int> {\n return sortedWith(compareByDescending(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> LongArray.sortedByDescending(crossinline selector: (Long) -> R?): List<Long> {\n return sortedWith(compareByDescending(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> FloatArray.sortedByDescending(crossinline selector: (Float) -> R?): List<Float> {\n return sortedWith(compareByDescending(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> DoubleArray.sortedByDescending(crossinline selector: (Double) -> R?): List<Double> {\n return sortedWith(compareByDescending(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> BooleanArray.sortedByDescending(crossinline selector: (Boolean) -> R?): List<Boolean> {\n return sortedWith(compareByDescending(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.\n */\npublic inline fun <R : Comparable<R>> CharArray.sortedByDescending(crossinline selector: (Char) -> R?): List<Char> {\n return sortedWith(compareByDescending(selector))\n}\n\n/**\n * Returns a list of all elements sorted descending according to their natural sort order.\n * \n * The sort is _stable_. It means that equal elements preserve their order

relative to each other after sorting.

```

public fun <T : Comparable<T>> Array<out T>.sortedDescending():
List<T> {
    return sortedWith(reverseOrder())
}

```

* Returns a list of all elements sorted descending according to their natural sort order.

```

public fun ByteArray.sortedDescending(): List<Byte> {
    return copyOf().apply { sort() }.reversed()
}

```

* Returns a list of all elements sorted descending according to their natural sort order.

```

public fun ShortArray.sortedDescending(): List<Short> {
    return copyOf().apply { sort() }.reversed()
}

```

* Returns a list of all elements sorted descending according to their natural sort order.

```

public fun IntArray.sortedDescending(): List<Int> {
    return copyOf().apply { sort() }.reversed()
}

```

* Returns a list of all elements sorted descending according to their natural sort order.

```

public fun LongArray.sortedDescending(): List<Long> {
    return copyOf().apply { sort() }.reversed()
}

```

* Returns a list of all elements sorted descending according to their natural sort order.

```

public fun FloatArray.sortedDescending(): List<Float> {
    return copyOf().apply { sort() }.reversed()
}

```

* Returns a list of all elements sorted descending according to their natural sort order.

```

public fun DoubleArray.sortedDescending(): List<Double> {
    return copyOf().apply { sort() }.reversed()
}

```

* Returns a list of all elements sorted descending according to their natural sort order.

```

public fun CharArray.sortedDescending(): List<Char> {
    return copyOf().apply { sort() }.reversed()
}

```

* Returns a list of all elements sorted according to the specified [comparator].

* The sort is `_stable_`. It means that equal elements preserve their order relative to each other after sorting.

```

public fun <T> Array<out T>.sortedWith(comparator: Comparator<in T>): List<T> {
    return sortedArrayWith(comparator).asList()
}

```

* Returns a list of all elements sorted according to the specified [comparator].

```

public fun ByteArray.sortedWith(comparator: Comparator<in Byte>): List<Byte> {
    return toTypedArray().apply { sortWith(comparator) }.asList()
}

```

* Returns a list of all elements sorted according to the specified [comparator].

```

public fun ShortArray.sortedWith(comparator: Comparator<in Short>): List<Short> {
    return toTypedArray().apply { sortWith(comparator) }.asList()
}

```

* Returns a list of all elements sorted according to the specified [comparator].

```

public fun IntArray.sortedWith(comparator: Comparator<in Int>): List<Int> {
    return toTypedArray().apply { sortWith(comparator) }.asList()
}

```

* Returns a list of all elements sorted according to the specified [comparator].

```

public fun LongArray.sortedWith(comparator: Comparator<in Long>): List<Long> {
    return toTypedArray().apply { sortWith(comparator) }.asList()
}

```

* Returns a list of all elements sorted according to the specified [comparator].

```

public fun FloatArray.sortedWith(comparator: Comparator<in Float>): List<Float> {
    return toTypedArray().apply { sortWith(comparator) }.asList()
}

```

* Returns a list of all elements sorted according to the specified [comparator].

```

public fun DoubleArray.sortedWith(comparator: Comparator<in Double>): List<Double> {
    return toTypedArray().apply { sortWith(comparator) }.asList()
}

```

* Returns a list of all elements sorted according to the specified [comparator].

```

public fun BooleanArray.sortedWith(comparator: Comparator<in Boolean>): List<Boolean> {
    return toTypedArray().apply { sortWith(comparator) }.asList()
}

```

* Returns a list of all elements sorted according to the specified [comparator].

```

public fun CharArray.sortedWith(comparator: Comparator<in Char>): List<Char> {
    return toTypedArray().apply { sortWith(comparator) }.asList()
}

```

* Returns a [List] that wraps the original array.

```

public expect fun <T> Array<out T>.asList(): List<T>

```

* Returns a [List] that wraps the original array.

```

public expect fun ByteArray.asList(): List<Byte>

```

* Returns a [List] that wraps the original array.

```

public expect fun ShortArray.asList(): List<Short>

```

* Returns a [List] that wraps the original array.

```

public expect fun IntArray.asList(): List<Int>

```

* Returns a [List] that wraps the original array.

```

public expect fun LongArray.asList(): List<Long>

```

* Returns a [List] that wraps the original array.

```

public expect fun FloatArray.asList(): List<Float>

```

* Returns a [List] that wraps the original array.

```

public expect fun DoubleArray.asList(): List<Double>

```

* Returns a [List] that wraps the original array.

```

public expect fun BooleanArray.asList(): List<Boolean>

```

* Returns a [List] that wraps the original array.

```

public expect fun CharArray.asList(): List<Char>

```

* Returns `true` if the two specified arrays are *deeply* equal to one another, i.e. contain the same number of the same elements in the same order.

* If two corresponding elements are nested arrays, they are also compared deeply.

* If any of arrays contains itself on any

nesting level the behavior is undefined.

`<T> Array<out T>.contentDeepEquals(other: Array<out T>): Boolean`

Returns a hash code based on the contents of this array as if it is [List]. Nested arrays are treated as lists too. If any of arrays contains itself on any nesting level the behavior is undefined.

`<T> Array<out T>.contentDeepHashCode(): Int`

Returns a string representation of the contents of this array as if it is a [List]. Nested arrays are treated as lists too. If any of arrays contains itself on any nesting level that reference is rendered as "[...]" to prevent recursion.

`@sample samples.collections.Arrays.ContentOperations.contentDeepToString()`

`<T> Array<out T>.contentDeepToString(): String`

Returns true if the two specified arrays are structurally equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the [equals][Any.equals] function. For floating point numbers it means that NaN is equal to itself and -0.0 is not equal to 0.0.

`<T> Array<out T>.contentEquals(other: Array<out T>): Boolean`

Returns true if the two specified arrays are structurally equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the [equals][Any.equals] function. For floating point numbers it means that NaN is equal to itself and -0.0 is not equal to 0.0.

`ByteArray.contentEquals(other: ByteArray): Boolean`

Returns true if the two specified arrays are structurally equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the [equals][Any.equals] function. For floating point numbers it means that NaN is equal to itself and -0.0 is not equal to 0.0.

`ShortArray.contentEquals(other: ShortArray): Boolean`

Returns true if the two specified arrays are structurally equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the [equals][Any.equals] function. For floating point numbers it means that NaN is equal to itself and -0.0 is not equal to 0.0.

`IntArray.contentEquals(other: IntArray): Boolean`

Returns true if the two specified arrays are structurally equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the [equals][Any.equals] function. For floating point numbers it means that NaN is equal to itself and -0.0 is not equal to 0.0.

`LongArray.contentEquals(other: LongArray): Boolean`

Returns true if the two specified arrays are structurally equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the [equals][Any.equals] function. For floating point numbers it means that NaN is equal to itself and -0.0 is not equal to 0.0.

`FloatArray.contentEquals(other: FloatArray): Boolean`

Returns true if the two specified arrays are structurally equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the [equals][Any.equals] function. For floating point numbers it means that NaN is equal to itself and -0.0 is not equal to 0.0.

`DoubleArray.contentEquals(other: DoubleArray): Boolean`

Returns true if the two specified arrays are structurally equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the [equals][Any.equals] function. For floating point numbers it means that NaN is equal to itself and -0.0 is not equal to 0.0.

`BooleanArray.contentEquals(other: BooleanArray): Boolean`

Returns true if the two specified arrays are structurally equal to one another, i.e. contain the same number of the same elements in the same order. The elements are compared for equality with the [equals][Any.equals] function. For floating point numbers it means that NaN is equal to itself and -0.0 is not equal to 0.0.

`CharArray.contentEquals(other: CharArray): Boolean`

Returns a hash code based on the contents of this array as if it is [List].

`<T> Array<out T>.contentHashCode():`

Int\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n

*\n\n@SinceKotlin("1.1")\n\npublic expect fun ByteArray.contentHashCode(): Int\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun ShortArray.contentHashCode(): Int\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun IntArray.contentHashCode(): Int\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun LongArray.contentHashCode(): Int\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun FloatArray.contentHashCode(): Int\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun DoubleArray.contentHashCode(): Int\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun BooleanArray.contentHashCode(): Int\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun CharArray.contentHashCode(): Int\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n * \n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun <T> Array<out T>.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n * \n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun ByteArray.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n * \n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun ShortArray.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n * \n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun IntArray.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n * \n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun LongArray.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n * \n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun FloatArray.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n * \n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun DoubleArray.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n * \n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun BooleanArray.contentToString(): String\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n * \n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n * \n\n@SinceKotlin("1.1")\n\npublic expect fun CharArray.contentToString(): String\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * \n * @param destination the array to copy to.\n * \n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * \n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * \n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * \n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * \n * or when that index is out of the [destination] array indices range.\n * \n * \n * @return the [destination] array.\n * \n\n@SinceKotlin("1.3")\n\npublic expect fun <T> Array<out T>.copyInto(destination: Array<T>, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): Array<T>\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * \n * @param destination the array to copy to.\n * \n * @param destinationOffset

the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n */\n\n@SinceKotlin("1.3")\npublic expect fun ByteArray.copyInto(destination: ByteArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): ByteArray\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n */\n\n@SinceKotlin("1.3")\npublic expect fun ShortArray.copyInto(destination: ShortArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): ShortArray\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n */\n\n@SinceKotlin("1.3")\npublic expect fun IntArray.copyInto(destination: IntArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): IntArray\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n */\n\n@SinceKotlin("1.3")\npublic expect fun LongArray.copyInto(destination: LongArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): LongArray\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n */

*\n@SinceKotlin("1.3")\npublic expect fun FloatArray.copyInto(destination: FloatArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): FloatArray\n\n**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * @return the [destination] array.\n\n*\n@SinceKotlin("1.3")\npublic expect fun DoubleArray.copyInto(destination: DoubleArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): DoubleArray\n\n**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * @return the [destination] array.\n\n*\n@SinceKotlin("1.3")\npublic expect fun BooleanArray.copyInto(destination: BooleanArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): BooleanArray\n\n**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * @return the [destination] array.\n\n*\n@SinceKotlin("1.3")\npublic expect fun CharArray.copyInto(destination: CharArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): CharArray\n\n**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n\n*\n@Suppress("NO_ACTUAL_FOR_EXPECT")\npublic expect fun <T> Array<T>.copyOf(): Array<T>\n\n**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n\n*\npublic expect fun ByteArray.copyOf(): ByteArray\n\n**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n\n*\npublic expect fun ShortArray.copyOf(): ShortArray\n\n**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n\n*\npublic expect fun IntArray.copyOf(): IntArray\n\n**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n\n*\npublic expect fun LongArray.copyOf(): LongArray\n\n**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n\n*\npublic expect fun FloatArray.copyOf(): FloatArray\n\n**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n\n*\npublic expect fun DoubleArray.copyOf(): DoubleArray

DoubleArray\n\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample
 samples.collections.Arrays.CopyOfOperations.copyOfOf\n * \n public expect fun BooleanArray.copyOfOf():
 BooleanArray\n\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample
 samples.collections.Arrays.CopyOfOperations.copyOfOf\n * \n public expect fun CharArray.copyOfOf():
 CharArray\n\n/**\n * Returns new array which is a copy of the original array, resized to the given [newSize].\n *
 The copy is either truncated or padded at the end with zero values if necessary.\n * \n * - If [newSize] is less than the
 size of the original array, the copy array is truncated to the [newSize].\n * - If [newSize] is greater than the size of
 the original array, the extra elements in the copy array are filled with zero values.\n * \n * @sample
 samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n * \n public expect fun
 ByteArray.copyOfOf(newSize: Int): ByteArray\n\n/**\n * Returns new array which is a copy of the original array,
 resized to the given [newSize].\n * The copy is either truncated or padded at the end with zero values if necessary.\n
 * \n * - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].\n * - If
 [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with zero
 values.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n * \n public
 expect fun ShortArray.copyOfOf(newSize: Int): ShortArray\n\n/**\n * Returns new array which is a copy of the
 original array, resized to the given [newSize].\n * The copy is either truncated or padded at the end with zero values
 if necessary.\n * \n * - If [newSize] is less than the size of the original array, the copy array is truncated to the
 [newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are
 filled with zero values.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n
 * \n public expect fun IntArray.copyOfOf(newSize: Int): IntArray\n\n/**\n * Returns new array which is a copy of the
 original array, resized to the given [newSize].\n * The copy is either truncated or padded at the end with zero values
 if necessary.\n * \n * - If [newSize] is less than the size of the original array, the copy array is truncated to the
 [newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are
 filled with zero values.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n
 * \n public expect fun LongArray.copyOfOf(newSize: Int): LongArray\n\n/**\n * Returns new array which is a copy of
 the original array, resized to the given [newSize].\n * The copy is either truncated or padded at the end with zero
 values if necessary.\n * \n * - If [newSize] is less than the size of the original array, the copy array is truncated to the
 [newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are
 filled with zero values.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n
 * \n public expect fun FloatArray.copyOfOf(newSize: Int): FloatArray\n\n/**\n * Returns new array which is a copy of
 the original array, resized to the given [newSize].\n * The copy is either truncated or padded at the end with zero
 values if necessary.\n * \n * - If [newSize] is less than the size of the original array, the copy array is truncated to the
 [newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are
 filled with zero values.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n
 * \n public expect fun DoubleArray.copyOfOf(newSize: Int): DoubleArray\n\n/**\n * Returns new array which is a
 copy of the original array, resized to the given [newSize].\n * The copy is either truncated or padded at the end with
 `false` values if necessary.\n * \n * - If [newSize] is less than the size of the original array, the copy array is
 truncated to the [newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements in the
 copy array are filled with `false` values.\n * \n * @sample
 samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n * \n public expect fun
 BooleanArray.copyOfOf(newSize: Int): BooleanArray\n\n/**\n * Returns new array which is a copy of the original
 array, resized to the given [newSize].\n * The copy is either truncated or padded at the end with null char (`\u0000`)
 values if necessary.\n * \n * - If [newSize] is less than the size of the original array, the copy array is truncated to the
 [newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are
 filled with null char (`\u0000`) values.\n * \n * @sample
 samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n * \n public expect fun
 CharArray.copyOfOf(newSize: Int): CharArray\n\n/**\n * Returns new array which is a copy of the original array,
 resized to the given [newSize].\n * The copy is either truncated or padded at the end with `null` values if

necessary.
 - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].
 - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with `null` values.
 @sample samples.collections.Arrays.CopyOfOperations.resizingCopyOf
 @Suppress("NO_ACTUAL_FOR_EXPECT")
 public expect fun <T> Array<T>.copyOf(newSize: Int): Array<T?>
 Returns a new array which is a copy of the specified range of the original array.
 @param fromIndex the start of the range (inclusive), must be in `0..array.size`
 @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`
 @Suppress("NO_ACTUAL_FOR_EXPECT")
 public expect fun <T> Array<T>.copyOfRange(fromIndex: Int, toIndex: Int): Array<T>
 Returns a new array which is a copy of the specified range of the original array.
 @param fromIndex the start of the range (inclusive), must be in `0..array.size`
 @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`
 public expect fun ByteArray.copyOfRange(fromIndex: Int, toIndex: Int): ByteArray
 Returns a new array which is a copy of the specified range of the original array.
 @param fromIndex the start of the range (inclusive), must be in `0..array.size`
 @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`
 public expect fun ShortArray.copyOfRange(fromIndex: Int, toIndex: Int): ShortArray
 Returns a new array which is a copy of the specified range of the original array.
 @param fromIndex the start of the range (inclusive), must be in `0..array.size`
 @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`
 public expect fun IntArray.copyOfRange(fromIndex: Int, toIndex: Int): IntArray
 Returns a new array which is a copy of the specified range of the original array.
 @param fromIndex the start of the range (inclusive), must be in `0..array.size`
 @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`
 public expect fun LongArray.copyOfRange(fromIndex: Int, toIndex: Int): LongArray
 Returns a new array which is a copy of the specified range of the original array.
 @param fromIndex the start of the range (inclusive), must be in `0..array.size`
 @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`
 public expect fun FloatArray.copyOfRange(fromIndex: Int, toIndex: Int): FloatArray
 Returns a new array which is a copy of the specified range of the original array.
 @param fromIndex the start of the range (inclusive), must be in `0..array.size`
 @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`
 public expect fun DoubleArray.copyOfRange(fromIndex: Int, toIndex: Int): DoubleArray
 Returns a new array which is a copy of the specified range of the original array.
 @param fromIndex the start of the range (inclusive), must be in `0..array.size`
 @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`
 public expect fun BooleanArray.copyOfRange(fromIndex: Int, toIndex: Int): BooleanArray
 Returns a new array which is a copy of the specified range of the original array.
 @param fromIndex the start of the range (inclusive), must be in `0..array.size`
 @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`
 public expect fun CharArray.copyOfRange(fromIndex: Int, toIndex: Int): CharArray
 Fills this array or its subrange with the specified [element] value.
 @param fromIndex the start of the range (inclusive), 0 by default.
 @param toIndex the end of the range (exclusive), size of this array by default.
 @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.
 @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].
 @SinceKotlin("1.3")
 public expect fun <T> Array<T>.fill(element: T, fromIndex: Int = 0, toIndex: Int = size): Unit
 Fills this array or its subrange with the specified [element] value.
 @param fromIndex the start of the range (inclusive), 0 by default.
 @param toIndex the end of the range (exclusive), size of this array by default.
 @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.
 @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].
 @SinceKotlin("1.3")
 public expect fun ByteArray.fill(element: Byte, fromIndex: Int = 0, toIndex: Int = size): Unit
 Fills this array or its subrange with the specified [element] value.
 @param fromIndex the start of the range (inclusive), 0 by default.
 @param toIndex the end of the range (exclusive), size of this array by default.
 @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.
 @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].
 @SinceKotlin("1.3")
 public

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expect fun ShortArray.fill(element: Short, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/**\n * Fills this array or
its subrange with the specified [element] value.\n * \n * @param fromIndex the start of the range (inclusive), 0 by
default.\n * @param toIndex the end of the range (exclusive), size of this array by default.\n * \n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */\n\n@SinceKotlin("1.3")\npublic
expect fun IntArray.fill(element: Int, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/**\n * Fills this array or
its subrange with the specified [element] value.\n * \n * @param fromIndex the start of the range (inclusive), 0 by
default.\n * @param toIndex the end of the range (exclusive), size of this array by default.\n * \n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */\n\n@SinceKotlin("1.3")\npublic
expect fun LongArray.fill(element: Long, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/**\n * Fills this array or
its subrange with the specified [element] value.\n * \n * @param fromIndex the start of the range (inclusive), 0 by
default.\n * @param toIndex the end of the range (exclusive), size of this array by default.\n * \n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */\n\n@SinceKotlin("1.3")\npublic
expect fun FloatArray.fill(element: Float, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/**\n * Fills this array or
its subrange with the specified [element] value.\n * \n * @param fromIndex the start of the range (inclusive), 0 by
default.\n * @param toIndex the end of the range (exclusive), size of this array by default.\n * \n * @throws
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n *
\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */\n\n@SinceKotlin("1.3")\npublic
expect fun DoubleArray.fill(element: Double, fromIndex: Int = 0, toIndex: Int = size): Unit\n\n/**\n * Fills this
array or its subrange with the specified [element] value.\n * \n * @param fromIndex the start of the range
(inclusive), 0 by default.\n * @param toIndex the end of the range (exclusive), size of this array by default.\n * \n *
@throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this
array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */\n\n@SinceKotlin("1.3")\npublic
expect fun BooleanArray.fill(element: Boolean, fromIndex: Int = 0, toIndex: Int
= size): Unit\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive), 0 by default.\n * @param toIndex the end of the range (exclusive), size
of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex]
is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than
[toIndex].\n */\n\n@SinceKotlin("1.3")\npublic
expect fun CharArray.fill(element: Char, fromIndex: Int = 0,
toIndex: Int = size): Unit\n\n/**\n * Returns the range of valid indices for the array.\n */\n\npublic val <T> Array<out
T>.indices: IntRange\n    get() = IntRange(0, lastIndex)\n\n/**\n * Returns the range of valid indices for the array.\n
*/\n\npublic val ByteArray.indices: IntRange\n    get() = IntRange(0, lastIndex)\n\n/**\n * Returns the range of valid
indices for the array.\n */\n\npublic val ShortArray.indices: IntRange\n    get() = IntRange(0, lastIndex)\n\n/**\n *
Returns the range of valid indices for the array.\n */\n\npublic val IntArray.indices: IntRange\n    get() = IntRange(0,
lastIndex)\n\n/**\n * Returns the range of valid indices for the array.\n */\n\npublic val LongArray.indices:
IntRange\n    get() = IntRange(0, lastIndex)\n\n/**\n * Returns the range of valid indices for the array.\n */\n\npublic
val FloatArray.indices: IntRange\n    get() = IntRange(0, lastIndex)\n\n/**\n * Returns the range of valid indices for
the array.\n */\n\npublic val DoubleArray.indices: IntRange\n    get() = IntRange(0, lastIndex)\n\n/**\n * Returns the
range of valid indices for the array.\n */\n\npublic val BooleanArray.indices: IntRange\n    get() = IntRange(0,
lastIndex)\n\n/**\n * Returns the range of valid indices for the array.\n */\n\npublic val CharArray.indices: IntRange\n
    get() = IntRange(0, lastIndex)\n\n/**\n * Returns `true` if the array is empty.\n */\n\n@kotlin.internal.InlineOnly\npublic inline fun <T> Array<out T>.isEmpty(): Boolean {\n    return size ==
0\n}\n\n/**\n * Returns `true` if the array is empty.\n */\n\n@kotlin.internal.InlineOnly\npublic inline fun
ByteArray.isEmpty(): Boolean {\n    return size == 0\n}\n\n/**\n * Returns `true` if the array is empty.\n */\n\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.isEmpty(): Boolean {\n    return size == 0\n}\n\n/**\n *
Returns `true` if the array is empty.\n */\n\n@kotlin.internal.InlineOnly\npublic inline fun IntArray.isEmpty():

```



```

Boolean { \n  return size == 0 \n } \n \n /** \n * Returns `true` if the array is empty. \n
*\n @kotlin.internal.InlineOnly \n public inline fun LongArray.isEmpty(): Boolean { \n  return size == 0 \n } \n \n /** \n
* Returns `true` if the array is empty. \n *\n @kotlin.internal.InlineOnly \n public inline fun FloatArray.isEmpty():
Boolean { \n  return size == 0 \n } \n \n /** \n * Returns `true` if the array is empty. \n
*\n @kotlin.internal.InlineOnly \n public inline fun DoubleArray.isEmpty(): Boolean { \n  return size ==
0 \n } \n \n /** \n * Returns `true` if the array is empty. \n *\n @kotlin.internal.InlineOnly \n public inline fun
BooleanArray.isEmpty(): Boolean { \n  return size == 0 \n } \n \n /** \n * Returns `true` if the array is empty. \n
*\n @kotlin.internal.InlineOnly \n public inline fun CharArray.isEmpty(): Boolean { \n  return size == 0 \n } \n \n /**
*\n * Returns `true` if the array is not empty. \n *\n @kotlin.internal.InlineOnly \n public inline fun <T> Array<out
T>.isNotEmpty(): Boolean { \n  return !isEmpty() \n } \n \n /** \n * Returns `true` if the array is not empty. \n
*\n @kotlin.internal.InlineOnly \n public inline fun ByteArray.isNotEmpty(): Boolean { \n  return
!isEmpty() \n } \n \n /** \n * Returns `true` if the array is not empty. \n *\n @kotlin.internal.InlineOnly \n public inline
fun ShortArray.isNotEmpty(): Boolean { \n  return !isEmpty() \n } \n \n /** \n * Returns `true` if the array is not
empty. \n *\n @kotlin.internal.InlineOnly \n public inline fun IntArray.isNotEmpty(): Boolean { \n  return
!isEmpty() \n } \n \n /** \n * Returns `true` if the array is not empty. \n *\n @kotlin.internal.InlineOnly \n public inline
fun LongArray.isNotEmpty(): Boolean { \n  return !isEmpty() \n } \n \n /** \n * Returns `true` if the array is not
empty. \n *\n @kotlin.internal.InlineOnly \n public inline fun FloatArray.isNotEmpty(): Boolean { \n  return
!isEmpty() \n } \n \n /** \n * Returns `true` if the array is not empty. \n *\n @kotlin.internal.InlineOnly \n public inline
fun DoubleArray.isNotEmpty(): Boolean { \n  return !isEmpty() \n } \n \n /** \n * Returns `true` if the array is not
empty. \n *\n @kotlin.internal.InlineOnly \n public inline fun BooleanArray.isNotEmpty(): Boolean { \n  return
!isEmpty() \n } \n \n /** \n * Returns `true` if the array is not empty. \n *\n @kotlin.internal.InlineOnly \n public inline
fun CharArray.isNotEmpty(): Boolean { \n  return !isEmpty() \n } \n \n /** \n * Returns the last valid index for the
array. \n *\n public val <T> Array<out T>.lastIndex: Int \n  get() = size - 1 \n \n /** \n * Returns the last valid index
for the array. \n *\n public val ByteArray.lastIndex: Int \n  get() = size - 1 \n \n /** \n * Returns the last valid index for
the array. \n *\n public val ShortArray.lastIndex: Int \n  get() = size - 1 \n \n /** \n * Returns the last valid index for
the array. \n *\n public val IntArray.lastIndex: Int \n  get() = size - 1 \n \n /** \n * Returns the last valid index for
the array. \n *\n public val LongArray.lastIndex: Int \n  get() = size - 1 \n \n /** \n * Returns the last valid index for
the array. \n *\n public val FloatArray.lastIndex: Int \n  get() = size - 1 \n \n /** \n * Returns the last valid index for
the array. \n *\n public val DoubleArray.lastIndex: Int \n  get() = size - 1 \n \n /** \n * Returns the last valid index for
the array. \n *\n public val BooleanArray.lastIndex: Int \n  get() = size - 1 \n \n /** \n * Returns the last valid index for
the array. \n *\n public val CharArray.lastIndex: Int \n  get() = size - 1 \n \n /** \n * Returns an array containing all
elements of the original array and then the given [element]. \n
*\n @Suppress("NO_ACTUAL_FOR_EXPECT") \n public expect operator fun <T> Array<T>.plus(element: T):
Array<T> \n \n /** \n * Returns an array containing all elements of the original array and then the given [element]. \n
*\n public expect operator fun ByteArray.plus(element: Byte): ByteArray \n \n /** \n * Returns an array containing all
elements of the original array and then the given [element]. \n *\n public expect operator fun
ShortArray.plus(element: Short): ShortArray \n \n /** \n * Returns an array containing all elements of the original
array and then the given [element]. \n *\n public expect operator fun IntArray.plus(element: Int): IntArray \n \n /** \n
* Returns an array containing all elements of the original array and then the given [element]. \n *\n public expect
operator fun LongArray.plus(element: Long): LongArray \n \n /** \n * Returns an array containing all elements of the
original array and then the given [element]. \n *\n public expect operator fun FloatArray.plus(element: Float):
FloatArray \n \n /** \n * Returns an array containing all elements of the original array and then the given [element]. \n
*\n public expect operator fun DoubleArray.plus(element: Double): DoubleArray \n \n /** \n * Returns an array
containing all elements of the original array and then the given [element]. \n *\n public expect operator fun
BooleanArray.plus(element: Boolean): BooleanArray \n \n /** \n * Returns an array containing all elements of the
original array and then the given [element]. \n *\n public expect operator fun CharArray.plus(element: Char):
CharArray \n \n /** \n * Returns an array containing all elements of the original array and then all elements of the
given [elements] collection. \n *\n @Suppress("NO_ACTUAL_FOR_EXPECT") \n public expect operator fun <T>

```

Array<T>.plus(elements: Collection<T>): Array<T>\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n */\npublic expect operator fun

ByteArray.plus(elements: Collection<Byte>): ByteArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n */\npublic expect operator fun

ShortArray.plus(elements: Collection<Short>): ShortArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n */\npublic expect operator fun

IntArray.plus(elements: Collection<Int>): IntArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n */\npublic expect operator fun

LongArray.plus(elements: Collection<Long>): LongArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n */\npublic expect operator fun

FloatArray.plus(elements: Collection<Float>): FloatArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n */\npublic expect operator fun

DoubleArray.plus(elements: Collection<Double>): DoubleArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n */\npublic expect operator fun

BooleanArray.plus(elements: Collection<Boolean>): BooleanArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n */\npublic expect operator

fun CharArray.plus(elements: Collection<Char>): CharArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n

*/\n\n@Suppress("NO_ACTUAL_FOR_EXPECT")\npublic expect operator fun <T> Array<T>.plus(elements:

Array<out T>): Array<T>\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n */\npublic expect operator fun ByteArray.plus(elements: ByteArray):

ByteArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n */\npublic expect operator fun ShortArray.plus(elements: ShortArray):

ShortArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n */\npublic expect operator fun IntArray.plus(elements: IntArray): IntArray\n\n/**\n *

Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n

*/\n\npublic expect operator fun LongArray.plus(elements: LongArray): LongArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n */\npublic expect

operator fun FloatArray.plus(elements: FloatArray): FloatArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n */\npublic expect operator fun

DoubleArray.plus(elements: DoubleArray): DoubleArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n */\npublic expect operator fun

BooleanArray.plus(elements: BooleanArray): BooleanArray\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n */\npublic expect operator fun

CharArray.plus(elements: CharArray): CharArray\n\n/**\n * Returns an array containing all elements of the original array and then the given [element].\n */\n\n@Suppress("NO_ACTUAL_FOR_EXPECT")\npublic expect fun <T>

Array<T>.plusElement(element: T): Array<T>\n\n/**\n * Sorts the array in-place.\n * \n * @sample

samples.collections.Arrays.Sorting.sortArray\n */\n\npublic expect fun IntArray.sort(): Unit\n\n/**\n * Sorts the array in-place.\n * \n * @sample samples.collections.Arrays.Sorting.sortArray\n */\n\npublic expect fun LongArray.sort():

Unit\n\n/**\n * Sorts the array in-place.\n * \n * @sample samples.collections.Arrays.Sorting.sortArray\n */\n\npublic expect fun ByteArray.sort(): Unit\n\n/**\n * Sorts the array in-place.\n * \n * @sample

samples.collections.Arrays.Sorting.sortArray\n */\n\npublic expect fun ShortArray.sort(): Unit\n\n/**\n * Sorts the array in-place.\n * \n * @sample samples.collections.Arrays.Sorting.sortArray\n */\n\npublic expect fun

DoubleArray.sort(): Unit\n\n/**\n * Sorts the array in-place.\n * \n * @sample

samples.collections.Arrays.Sorting.sortArray\n */\n\npublic expect fun FloatArray.sort(): Unit\n\n/**\n * Sorts the array in-place.\n * \n * @sample samples.collections.Arrays.Sorting.sortArray\n */\n\npublic expect fun

CharArray.sort(): Unit\n\n/**\n * Sorts the array in-place according to the natural order of its elements.\n * \n * The sort is `_stable_`. It means that equal elements preserve their order relative to each other after sorting.\n * \n *

@sample samples.collections.Arrays.Sorting.sortArrayOfComparable

```

public expect fun <T> :
Comparable<T>> Array<out T>.sort(): Unit
  * Sorts the array in-place according to the order specified by
  the given [comparator].
  * The sort is _stable_. It means that equal elements preserve their order relative to
  each other after sorting.
public expect fun <T> Array<out T>.sortWith(comparator: Comparator<in T>):
Unit
  * Returns an array of Boolean containing all of the elements of this generic array.
public fun
Array<out Boolean>.toBooleanArray(): BooleanArray {
  return BooleanArray(size) { index -> this[index]
}
}
  * Returns an array of Byte containing all of the elements of this generic array.
public fun
Array<out Byte>.toByteArray(): ByteArray {
  return ByteArray(size) { index -> this[index]
}
}
  * Returns an array of Char containing all of the elements of this generic array.
public fun
Array<out Char>.toCharArray(): CharArray {
  return CharArray(size) { index -> this[index]
}
}
  * Returns an
array of Double containing all of the elements of this generic array.
public fun
Array<out Double>.toDoubleArray(): DoubleArray {
  return DoubleArray(size) { index -> this[index]
}
}
  * Returns an array of Float containing all of the elements of this generic array.
public fun
Array<out Float>.toFloatArray(): FloatArray {
  return FloatArray(size) { index -> this[index]
}
}
  * Returns an
array of Int containing all of the elements of this generic array.
public fun
Array<out Int>.toIntArray(): IntArray {
  return IntArray(size) { index -> this[index]
}
}
  * Returns an array of Long containing all of
the elements of this generic array.
public fun
Array<out Long>.toLongArray(): LongArray {
  return
LongArray(size) { index -> this[index]
}
}
  * Returns an array of Short containing all of the elements of
this generic array.
public fun
Array<out Short>.toShortArray(): ShortArray {
  return ShortArray(size) {
index -> this[index]
}
}
  * Returns a *typed* object array containing all of the elements of this primitive
array.
public expect fun
ByteArray.toTypedArray(): Array<Byte>
  * Returns a *typed* object array
containing all of the elements of this primitive array.
public expect fun
ShortArray.toTypedArray():
Array<Short>
  * Returns a *typed* object array containing all of the elements of this primitive array.
public expect fun
IntArray.toTypedArray(): Array<Int>
  * Returns a *typed* object array containing all
of the elements of this primitive array.
public expect fun
LongArray.toTypedArray(): Array<Long>
  * Returns a *typed* object array containing all of the elements of this primitive array.
public expect fun
FloatArray.toTypedArray(): Array<Float>
  * Returns a *typed* object array containing all of the elements
of this primitive array.
public expect fun
DoubleArray.toTypedArray(): Array<Double>
  * Returns a
*typed* object array containing all of the elements of this primitive array.
public expect fun
BooleanArray.toTypedArray(): Array<Boolean>
  * Returns a *typed* object array containing all of the
elements of this primitive array.
public expect fun
CharArray.toTypedArray(): Array<Char>
  * Returns a [Map] containing key-value pairs provided by [transform] function
  * applied to elements of the given
array.
  * If any of two pairs would have the same key the last one gets added to the map.
  * The returned
map preserves the entry iteration order of the original array.
public inline fun <T, K, V> Array<out
T>.associate(transform: (T) -> Pair<K, V>): Map<K, V> {
  val capacity =
mapCapacity(size).coerceAtLeast(16)
  return associateTo(LinkedHashMap<K, V>(capacity),
transform)
}
  * Returns a [Map] containing key-value pairs provided by [transform] function
  * applied to
elements of the given array.
  * If any of two pairs would have the same key the last one gets added to the
map.
  * The returned map preserves the entry iteration order of the original array.
public inline fun <K,
V> ByteArray.associate(transform: (Byte) -> Pair<K, V>): Map<K, V> {
  val capacity =
mapCapacity(size).coerceAtLeast(16)
  return associateTo(LinkedHashMap<K, V>(capacity),
transform)
}
  * Returns a [Map] containing key-value pairs provided by [transform] function
  * applied to
elements of the given array.
  * If any of two pairs would have the same key the last one gets added to the
map.
  * The returned map preserves the entry iteration order of the original array.
public inline fun <K,
V> ShortArray.associate(transform: (Short) -> Pair<K, V>): Map<K, V> {
  val capacity =
mapCapacity(size).coerceAtLeast(16)
  return associateTo(LinkedHashMap<K, V>(capacity),
transform)
}
  * Returns a [Map] containing key-value pairs provided by [transform] function
  * applied to
elements of the given array.
  * If any of two pairs would have the same key the last one gets added to the

```

```

map.\n * \n * The returned map preserves the entry iteration order of the original array.\n */\npublic inline fun <K,
V> IntArray.associate(transform: (Int) -> Pair<K, V>): Map<K, V> {\n    val capacity =
mapCapacity(size).coerceAtLeast(16)\n    return associateTo(LinkedHashMap<K, V>(capacity),
transform)\n}\n\n/**\n * Returns a [Map] containing key-value pairs provided by [transform] function\n * applied to
elements of the given array.\n * \n * If any of two pairs would have the same key the last one gets added to the
map.\n * \n * The returned map preserves the entry iteration order of the original array.\n */\npublic inline fun <K,
V> LongArray.associate(transform: (Long) -> Pair<K, V>): Map<K, V> {\n    val capacity =
mapCapacity(size).coerceAtLeast(16)\n    return associateTo(LinkedHashMap<K, V>(capacity),
transform)\n}\n\n/**\n * Returns a [Map] containing key-value pairs provided by [transform] function\n * applied to
elements of the given array.\n * \n * If any of two pairs would have the same key the last one gets added to the
map.\n * \n * The returned map preserves the entry iteration order of the original array.\n */\npublic inline fun <K,
V> FloatArray.associate(transform: (Float) -> Pair<K, V>): Map<K, V> {\n    val capacity =
mapCapacity(size).coerceAtLeast(16)\n    return associateTo(LinkedHashMap<K, V>(capacity),
transform)\n}\n\n/**\n * Returns a [Map] containing key-value pairs provided by [transform] function\n * applied to
elements of the given array.\n * \n * If any of two pairs would have the same key the last one gets added to the
map.\n * \n * The returned map preserves the entry iteration order of the original array.\n */\npublic inline fun <K,
V> DoubleArray.associate(transform: (Double) -> Pair<K, V>): Map<K, V> {\n    val capacity =
mapCapacity(size).coerceAtLeast(16)\n    return associateTo(LinkedHashMap<K, V>(capacity),
transform)\n}\n\n/**\n * Returns a [Map] containing key-value pairs provided by [transform] function\n * applied to
elements of the given array.\n * \n * If any of two pairs would have the same key the last one gets added to the
map.\n * \n * The returned map preserves the entry iteration order of the original array.\n */\npublic inline fun <K,
V> BooleanArray.associate(transform: (Boolean) -> Pair<K, V>): Map<K, V> {\n    val capacity =
mapCapacity(size).coerceAtLeast(16)\n    return associateTo(LinkedHashMap<K, V>(capacity),
transform)\n}\n\n/**\n * Returns a [Map] containing key-value pairs provided by [transform] function\n * applied to
elements of the given array.\n * \n * If any of two pairs would have the same key the last one gets added to the
map.\n * \n * The returned map preserves the entry iteration order of the original array.\n */\npublic inline fun <K,
V> CharArray.associate(transform: (Char) -> Pair<K, V>): Map<K, V> {\n    val capacity =
mapCapacity(size).coerceAtLeast(16)\n    return associateTo(LinkedHashMap<K, V>(capacity),
transform)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n */\npublic inline fun <T, K> Array<out T>.associateBy(keySelector: (T) -> K):
Map<K, T> {\n    val capacity = mapCapacity(size).coerceAtLeast(16)\n    return
associateByTo(LinkedHashMap<K, T>(capacity), keySelector)\n}\n\n/**\n * Returns a [Map] containing the
elements from the given array indexed by the key\n * returned from [keySelector] function applied to each
element.\n * \n * If any two elements would have the same key returned by [keySelector] the last one gets added to
the map.\n * \n * The returned map preserves the entry iteration order of the original array.\n */\npublic inline fun
<K> ByteArray.associateBy(keySelector: (Byte) -> K): Map<K, Byte> {\n    val capacity =
mapCapacity(size).coerceAtLeast(16)\n    return associateByTo(LinkedHashMap<K, Byte>(capacity),
keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n */\npublic inline fun <K> ShortArray.associateBy(keySelector: (Short) -> K): Map<K,
Short> {\n    val capacity = mapCapacity(size).coerceAtLeast(16)\n    return associateByTo(LinkedHashMap<K,
Short>(capacity), keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed
by the key\n * returned from [keySelector] function applied to each element.\n * \n * If any two elements would
have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves
the entry iteration order of the original array.\n */\npublic inline fun <K> IntArray.associateBy(keySelector: (Int) ->

```

```

K): Map<K, Int> {\n  val capacity = mapCapacity(size).coerceAtLeast(16)\n  return
associateByTo(LinkedHashMap<K, Int>(capacity), keySelector)\n}\n\n/**\n * Returns a [Map] containing the
elements from the given array indexed by the key\n * returned from [keySelector] function applied to each
element.\n * \n * If any two elements would have the same key returned by [keySelector] the last one gets added to
the map.\n * \n * The returned map preserves the entry iteration order of the original array.\n */\npublic inline fun
<K> LongArray.associateBy(keySelector: (Long) -> K): Map<K, Long> {\n  val capacity =
mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, Long>(capacity),
keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n */\npublic inline fun <K> FloatArray.associateBy(keySelector: (Float) -> K): Map<K,
Float> {\n  val capacity = mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K,
Float>(capacity), keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed
by the key\n * returned from [keySelector] function applied to each element.\n * \n * If any two elements would
have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves
the entry iteration order of the original array.\n */\npublic inline fun <K> DoubleArray.associateBy(keySelector:
(Double) -> K): Map<K, Double> {\n  val capacity = mapCapacity(size).coerceAtLeast(16)\n  return
associateByTo(LinkedHashMap<K, Double>(capacity), keySelector)\n}\n\n/**\n * Returns a [Map] containing the
elements from the given array indexed by the key\n * returned from [keySelector] function applied to each
element.\n * \n * If any two elements would have the same key returned by [keySelector] the last one gets added to
the map.\n * \n * The returned map preserves the entry iteration order of the original array.\n */\npublic inline fun
<K> BooleanArray.associateBy(keySelector: (Boolean) -> K): Map<K, Boolean> {\n  val capacity =
mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, Boolean>(capacity),
keySelector)\n}\n\n/**\n * Returns a [Map] containing the elements from the given array indexed by the key\n *
returned from [keySelector] function applied to each element.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n */\npublic inline fun <K> CharArray.associateBy(keySelector: (Char) -> K): Map<K,
Char> {\n  val capacity = mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K,
Char>(capacity), keySelector)\n}\n\n/**\n * Returns a [Map] containing the values provided by [valueTransform]
and indexed by [keySelector] functions applied to elements of the given array.\n * \n * If any two elements would
have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves
the entry iteration order of the original array.\n */\npublic inline fun <T, K, V> Array<out
T>.associateBy(keySelector: (T) -> K, valueTransform: (T) -> V): Map<K, V> {\n  val capacity =
mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K, V>(capacity), keySelector,
valueTransform)\n}\n\n/**\n * Returns a [Map] containing the values provided by [valueTransform] and indexed by
[keySelector] functions applied to elements of the given array.\n * \n * If any two elements would have the same key
returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration
order of the original array.\n */\npublic inline fun <K, V> ByteArray.associateBy(keySelector: (Byte) -> K,
valueTransform: (Byte) -> V): Map<K, V> {\n  val capacity = mapCapacity(size).coerceAtLeast(16)\n  return
associateByTo(LinkedHashMap<K, V>(capacity), keySelector, valueTransform)\n}\n\n/**\n * Returns a [Map]
containing the values provided by [valueTransform] and indexed by [keySelector] functions applied to elements of
the given array.\n * \n * If any two elements would have the same key returned by [keySelector] the last one gets
added to the map.\n * \n * The returned map preserves the entry iteration order of the original array.\n */\npublic
inline fun <K, V> ShortArray.associateBy(keySelector: (Short) -> K, valueTransform: (Short) -> V): Map<K, V>
{\n  val capacity = mapCapacity(size).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K,
V>(capacity), keySelector, valueTransform)\n}\n\n/**\n * Returns a [Map] containing the values provided by
[valueTransform] and indexed by [keySelector] functions applied to elements of the given array.\n * \n * If any two
elements would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The

```

returned map preserves the entry iteration order of the original array.

```

public inline fun <K, V>
IntArray.associateBy(keySelector: (Int) -> K, valueTransform: (Int) -> V): Map<K, V> {
    val capacity =
    mapCapacity(size).coerceAtLeast(16)
    return associateByTo(LinkedHashMap<K, V>(capacity), keySelector,
    valueTransform)
}

```

* Returns a [Map] containing the values provided by [valueTransform] and indexed by [keySelector] functions applied to elements of the given array.

* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

* The returned map preserves the entry iteration order of the original array.

```

public inline fun <K, V> LongArray.associateBy(keySelector: (Long) -> K,
valueTransform: (Long) -> V): Map<K, V> {
    val capacity = mapCapacity(size).coerceAtLeast(16)
    return
    associateByTo(LinkedHashMap<K, V>(capacity), keySelector, valueTransform)
}

```

* Returns a [Map] containing the values provided by [valueTransform] and indexed by [keySelector] functions applied to elements of the given array.

* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

* The returned map preserves the entry iteration order of the original array.

```

public inline fun <K, V> FloatArray.associateBy(keySelector: (Float) -> K, valueTransform: (Float) -> V): Map<K, V>
{
    val capacity = mapCapacity(size).coerceAtLeast(16)
    return associateByTo(LinkedHashMap<K,
V>(capacity), keySelector, valueTransform)
}

```

* Returns a [Map] containing the values provided by [valueTransform] and indexed by [keySelector] functions applied to elements of the given array.

* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

* The returned map preserves the entry iteration order of the original array.

```

public inline fun <K, V>
DoubleArray.associateBy(keySelector: (Double) -> K, valueTransform: (Double) -> V): Map<K, V> {
    val
    capacity = mapCapacity(size).coerceAtLeast(16)
    return associateByTo(LinkedHashMap<K, V>(capacity),
    keySelector, valueTransform)
}

```

* Returns a [Map] containing the values provided by [valueTransform] and indexed by [keySelector] functions applied to elements of the given array.

* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

* The returned map preserves the entry iteration order of the original array.

```

public inline fun <K, V> BooleanArray.associateBy(keySelector:
(Boolean) -> K, valueTransform: (Boolean) -> V): Map<K, V> {
    val capacity =
    mapCapacity(size).coerceAtLeast(16)
    return associateByTo(LinkedHashMap<K, V>(capacity), keySelector,
    valueTransform)
}

```

* Returns a [Map] containing the values provided by [valueTransform] and indexed by [keySelector] functions applied to elements of the given array.

* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

* The returned map preserves the entry iteration order of the original array.

```

public inline fun <K, V> CharArray.associateBy(keySelector: (Char) -> K,
valueTransform: (Char) -> V): Map<K, V> {
    val capacity = mapCapacity(size).coerceAtLeast(16)
    return
    associateByTo(LinkedHashMap<K, V>(capacity), keySelector, valueTransform)
}

```

* Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function applied to each element of the given array and value is the element itself.

* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <T, K, M : MutableMap<in K, in T>> Array<out T>.associateByTo(destination: M, keySelector: (T) -> K): M {
    for
    (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

```

* Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function applied to each element of the given array and value is the element itself.

* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, M : MutableMap<in K, in Byte>> ByteArray.associateByTo(destination: M, keySelector: (Byte) ->
K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return
    destination
}

```

* Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function applied to each element of the given array and value is the element itself.

* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, M : MutableMap<in K, in Short>> ShortArray.associateByTo(destination: M,
keySelector: (Short) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return
    destination
}

```

* Populates and returns the [destination] mutable map with key-value pairs,

where key is provided by the [keySelector] function applied to each element of the given array and value is the element itself. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, M : MutableMap<in K, in Int>> IntArray.associateByTo(destination: M, keySelector: (Int) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function applied to each element of the given array and value is the element itself. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, M : MutableMap<in K, in Long>> LongArray.associateByTo(destination: M, keySelector: (Long) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function applied to each element of the given array and value is the element itself. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, M : MutableMap<in K, in Float>> FloatArray.associateByTo(destination: M, keySelector: (Float) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function applied to each element of the given array and value is the element itself. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, M : MutableMap<in K, in Double>> DoubleArray.associateByTo(destination: M, keySelector: (Double) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function applied to each element of the given array and value is the element itself. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, M : MutableMap<in K, in Boolean>> BooleanArray.associateByTo(destination: M, keySelector: (Boolean) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function applied to each element of the given array and value is the element itself. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, M : MutableMap<in K, in Char>> CharArray.associateByTo(destination: M, keySelector: (Char) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function and value is provided by the [valueTransform] function applied to elements of the given array. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <T, K, V, M : MutableMap<in K, in V>> Array<out T>.associateByTo(destination: M, keySelector: (T) -> K, valueTransform: (T) -> V): M {
    for (element in this) {
        destination.put(keySelector(element), valueTransform(element))
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function and value is provided by the [valueTransform] function applied to elements of the given array. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, V, M : MutableMap<in K, in V>> ByteArray.associateByTo(destination: M, keySelector: (Byte) -> K, valueTransform: (Byte) -> V): M {
    for (element in this) {
        destination.put(keySelector(element), valueTransform(element))
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function and value is provided by the [valueTransform] function applied to elements of the given array. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, V, M : MutableMap<in K, in V>> ShortArray.associateByTo(destination: M, keySelector: (Short) -> K, valueTransform: (Short) -> V): M {
    for (element in this) {
        destination.put(keySelector(element), valueTransform(element))
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function and value is provided by the [valueTransform] function applied to elements of the given array. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function and value is provided by the [valueTransform] function applied to elements of the given array. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, V, M : MutableMap<in K, in V>> IntArray.associateByTo(destination: M, keySelector: (Int) -> K, valueTransform: (Int) -> V): M {
    for (element in this) {
        destination.put(keySelector(element), valueTransform(element))
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function and value is provided by the [valueTransform] function applied to elements of the given array. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, V, M : MutableMap<in K, in V>> LongArray.associateByTo(destination: M, keySelector: (Long) -> K, valueTransform: (Long) -> V): M {
    for (element in this) {
        destination.put(keySelector(element), valueTransform(element))
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function and value is provided by the [valueTransform] function applied to elements of the given array. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, V, M : MutableMap<in K, in V>> FloatArray.associateByTo(destination: M, keySelector: (Float) -> K, valueTransform: (Float) -> V): M {
    for (element in this) {
        destination.put(keySelector(element), valueTransform(element))
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function and value is provided by the [valueTransform] function applied to elements of the given array. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, V, M : MutableMap<in K, in V>> DoubleArray.associateByTo(destination: M, keySelector: (Double) -> K, valueTransform: (Double) -> V): M {
    for (element in this) {
        destination.put(keySelector(element), valueTransform(element))
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function and value is provided by the [valueTransform] function applied to elements of the given array. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, V, M : MutableMap<in K, in V>> BooleanArray.associateByTo(destination: M, keySelector: (Boolean) -> K, valueTransform: (Boolean) -> V): M {
    for (element in this) {
        destination.put(keySelector(element), valueTransform(element))
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function and value is provided by the [valueTransform] function applied to elements of the given array. If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

```

public inline fun <K, V, M : MutableMap<in K, in V>> CharArray.associateByTo(destination: M, keySelector: (Char) -> K, valueTransform: (Char) -> V): M {
    for (element in this) {
        destination.put(keySelector(element), valueTransform(element))
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs provided by [transform] function applied to each element of the given array. If any of two pairs would have the same key the last one gets added to the map.

```

public inline fun <T, K, V, M : MutableMap<in K, in V>> Array<out T>.associateTo(destination: M, transform: (T) -> Pair<K, V>): M {
    for (element in this) {
        destination += transform(element)
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs provided by [transform] function applied to each element of the given array. If any of two pairs would have the same key the last one gets added to the map.

```

public inline fun <K, V, M : MutableMap<in K, in V>> ByteArray.associateTo(destination: M, transform: (Byte) -> Pair<K, V>): M {
    for (element in this) {
        destination += transform(element)
    }
    return destination
}

```

Populates and returns the [destination] mutable map with key-value pairs provided by [transform] function applied to each element of the given array. If any of two pairs would have the same key the last one gets added to the map.

```

public inline fun <K, V, M : MutableMap<in K, in V>> ShortArray.associateTo(destination: M, transform: (Short) -> Pair<K, V>): M {
    for (element in this) {

```



```

destination += transform(element)\n } \n return destination\n}\n\n/**\n * Populates and returns the [destination]
mutable map with key-value pairs\n * provided by [transform] function applied to each element of the given array.\n
* \n * If any of two pairs would have the same key the last one gets added to the map.\n */\npublic inline fun <K, V,
M : MutableMap<in K, in V>> IntArray.associateTo(destination: M, transform: (Int) -> Pair<K, V>): M {\n for
(element in this) {\n destination += transform(element)\n } \n return destination\n}\n\n/**\n * Populates and
returns the [destination] mutable map with key-value pairs\n * provided by [transform] function applied to each
element of the given array.\n * \n * If any of two pairs would have the same key the last one gets added to the
map.\n */\npublic inline fun <K, V, M : MutableMap<in K, in V>> LongArray.associateTo(destination: M,
transform: (Long) -> Pair<K, V>): M {\n for (element in this) {\n destination += transform(element)\n } \n
return destination\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs\n *
provided by [transform] function applied to each element of the given array.\n * \n * If any of two pairs would have
the same key the last one gets added to the map.\n */\npublic inline fun <K, V, M : MutableMap<in K, in V>>
FloatArray.associateTo(destination: M, transform: (Float) -> Pair<K, V>): M {\n for (element in this) {\n
destination += transform(element)\n } \n return destination\n}\n\n/**\n * Populates and returns the [destination]
mutable map with key-value pairs\n * provided by [transform] function applied to each element of the given array.\n
* \n * If any of two pairs would have the same key the last one gets added to the map.\n */\npublic inline fun <K, V,
M : MutableMap<in K, in V>> DoubleArray.associateTo(destination: M, transform: (Double) -> Pair<K, V>): M
{\n for (element in this) {\n destination += transform(element)\n } \n return destination\n}\n\n/**\n *
Populates and returns the [destination] mutable map with key-value pairs\n * provided by [transform] function
applied to each element of the given array.\n * \n * If any of two pairs would have the same key the last one gets
added to the map.\n */\npublic inline fun <K, V, M : MutableMap<in K, in V>>
BooleanArray.associateTo(destination: M, transform: (Boolean) -> Pair<K, V>): M {\n for (element in this) {\n
destination += transform(element)\n } \n return destination\n}\n\n/**\n * Populates and returns the [destination]
mutable map with key-value pairs\n * provided by [transform] function applied to each element of the given array.\n
* \n * If any of two pairs would have the same key the last one gets added to the map.\n */\npublic inline fun <K, V,
M : MutableMap<in K, in V>> CharArray.associateTo(destination: M, transform: (Char) -> Pair<K, V>): M {\n
for (element in this) {\n destination += transform(element)\n } \n return destination\n}\n\n/**\n * Appends
all elements to the given [destination] collection.\n */\npublic fun <T, C : MutableCollection<in T>> Array<out
T>.toCollection(destination: C): C {\n for (item in this) {\n destination.add(item)\n } \n return
destination\n}\n\n/**\n * Appends all elements to the given [destination] collection.\n */\npublic fun <C :
MutableCollection<in Byte>> ByteArray.toCollection(destination: C): C {\n for (item in this) {\n
destination.add(item)\n } \n return destination\n}\n\n/**\n * Appends all elements to the given [destination]
collection.\n */\npublic fun <C : MutableCollection<in Short>> ShortArray.toCollection(destination: C): C {\n
for (item in this) {\n destination.add(item)\n } \n return destination\n}\n\n/**\n * Appends all elements to the
given [destination] collection.\n */\npublic fun <C : MutableCollection<in Int>> IntArray.toCollection(destination:
C): C {\n for (item in this) {\n destination.add(item)\n } \n return destination\n}\n\n/**\n * Appends all
elements to the given [destination] collection.\n */\npublic fun <C : MutableCollection<in Long>>
LongArray.toCollection(destination: C): C {\n for (item in this) {\n destination.add(item)\n } \n return
destination\n}\n\n/**\n * Appends all elements to the given [destination] collection.\n */\npublic fun <C :
MutableCollection<in Float>> FloatArray.toCollection(destination: C): C {\n for (item in this) {\n
destination.add(item)\n } \n return destination\n}\n\n/**\n * Appends all elements to the given [destination]
collection.\n */\npublic fun <C : MutableCollection<in Double>> DoubleArray.toCollection(destination: C): C {\n
for (item in this) {\n destination.add(item)\n } \n return destination\n}\n\n/**\n * Appends all elements to the
given [destination] collection.\n */\npublic fun <C : MutableCollection<in Boolean>>
BooleanArray.toCollection(destination: C): C {\n for (item in this) {\n destination.add(item)\n } \n return
destination\n}\n\n/**\n * Appends all elements to the given [destination] collection.\n */\npublic fun <C :
MutableCollection<in Char>> CharArray.toCollection(destination: C): C {\n for (item in this) {\n
destination.add(item)\n } \n return destination\n}\n\n/**\n * Returns a [HashSet] of all elements.\n */\npublic fun

```

```

<T> Array<out T>.toHashSet(): HashSet<T> {\n  return
toCollection(HashSet<T>(mapCapacity(size)))\n}\n\n/**\n * Returns a [HashSet] of all elements.\n */\npublic fun
ByteArray.toHashSet(): HashSet<Byte> {\n  return toCollection(HashSet<Byte>(mapCapacity(size)))\n}\n\n/**\n * Returns a [HashSet] of all elements.\n */\npublic fun ShortArray.toHashSet(): HashSet<Short> {\n  return
toCollection(HashSet<Short>(mapCapacity(size)))\n}\n\n/**\n * Returns a [HashSet] of all elements.\n */\npublic
fun IntArray.toHashSet(): HashSet<Int> {\n  return toCollection(HashSet<Int>(mapCapacity(size)))\n}\n\n/**\n *
Returns a [HashSet] of all elements.\n */\npublic fun LongArray.toHashSet(): HashSet<Long> {\n  return
toCollection(HashSet<Long>(mapCapacity(size)))\n}\n\n/**\n * Returns a [HashSet] of all elements.\n */\npublic
fun FloatArray.toHashSet(): HashSet<Float> {\n  return
toCollection(HashSet<Float>(mapCapacity(size)))\n}\n\n/**\n * Returns a [HashSet] of all elements.\n */\npublic
fun DoubleArray.toHashSet(): HashSet<Double> {\n  return
toCollection(HashSet<Double>(mapCapacity(size)))\n}\n\n/**\n * Returns a [HashSet] of all elements.\n */\npublic
fun BooleanArray.toHashSet(): HashSet<Boolean> {\n  return
toCollection(HashSet<Boolean>(mapCapacity(size)))\n}\n\n/**\n * Returns a [HashSet] of all elements.\n
*/\npublic fun CharArray.toHashSet(): HashSet<Char> {\n  return
toCollection(HashSet<Char>(mapCapacity(size)))\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\npublic fun <T> Array<out T>.toList(): List<T> {\n  return when (size) {\n    0 -> emptyList()\n    1 ->
listOf(this[0])\n    else -> this.toMutableList()\n  }\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\npublic fun ByteArray.toList(): List<Byte> {\n  return when (size) {\n    0 -> emptyList()\n    1 ->
listOf(this[0])\n    else -> this.toMutableList()\n  }\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\npublic fun ShortArray.toList(): List<Short> {\n  return when (size) {\n    0 -> emptyList()\n    1 ->
listOf(this[0])\n    else -> this.toMutableList()\n  }\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\npublic fun IntArray.toList(): List<Int> {\n  return when (size) {\n    0 -> emptyList()\n    1 ->
listOf(this[0])\n    else -> this.toMutableList()\n  }\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\npublic fun LongArray.toList(): List<Long> {\n  return when (size) {\n    0 -> emptyList()\n    1 ->
listOf(this[0])\n    else -> this.toMutableList()\n  }\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\npublic fun FloatArray.toList(): List<Float> {\n  return when (size) {\n    0 -> emptyList()\n    1 ->
listOf(this[0])\n    else -> this.toMutableList()\n  }\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\npublic fun DoubleArray.toList(): List<Double> {\n  return when (size) {\n    0 -> emptyList()\n    1 ->
listOf(this[0])\n    else -> this.toMutableList()\n  }\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\npublic fun BooleanArray.toList(): List<Boolean> {\n  return when (size) {\n    0 -> emptyList()\n    1 ->
listOf(this[0])\n    else -> this.toMutableList()\n  }\n}\n\n/**\n * Returns a [List] containing all elements.\n
*/\npublic fun CharArray.toList(): List<Char> {\n  return when (size) {\n    0 -> emptyList()\n    1 ->
listOf(this[0])\n    else -> this.toMutableList()\n  }\n}\n\n/**\n * Returns a [MutableList] filled with all elements
of this array.\n */\npublic fun <T> Array<out T>.toMutableList(): MutableList<T> {\n  return
ArrayList(this.asCollection())\n}\n\n/**\n * Returns a [MutableList] filled with all elements of this array.\n
*/\npublic fun ByteArray.toMutableList(): MutableList<Byte> {\n  val list = ArrayList<Byte>(size)\n  for (item
in this) list.add(item)\n  return list\n}\n\n/**\n * Returns a [MutableList] filled with all elements of this array.\n
*/\npublic fun ShortArray.toMutableList(): MutableList<Short> {\n  val list = ArrayList<Short>(size)\n  for (item
in this) list.add(item)\n  return list\n}\n\n/**\n * Returns a [MutableList] filled with all elements of this array.\n
*/\npublic fun IntArray.toMutableList(): MutableList<Int> {\n  val list = ArrayList<Int>(size)\n  for (item in this)
list.add(item)\n  return list\n}\n\n/**\n * Returns a [MutableList] filled with all elements of this array.\n
*/\npublic fun LongArray.toMutableList(): MutableList<Long> {\n  val list = ArrayList<Long>(size)\n  for (item in this)
list.add(item)\n  return list\n}\n\n/**\n * Returns a [MutableList] filled with all elements of this array.\n
*/\npublic fun FloatArray.toMutableList(): MutableList<Float> {\n  val list = ArrayList<Float>(size)\n  for (item in this)
list.add(item)\n  return list\n}\n\n/**\n * Returns a [MutableList] filled with all elements of this array.\n
*/\npublic fun DoubleArray.toMutableList(): MutableList<Double> {\n  val list = ArrayList<Double>(size)\n  for (item in
this) list.add(item)\n  return list\n}\n\n/**\n * Returns a [MutableList] filled with all elements of this array.\n
*/\n}

```

```

*\npublic fun BooleanArray.toMutableList(): MutableList<Boolean> {\n    val list = ArrayList<Boolean>(size)\n    for (item in this) list.add(item)\n    return list\n}\n\n/**\n * Returns a [MutableList] filled with all elements of this\n * array.\n */\n\npublic fun CharArray.toMutableList(): MutableList<Char> {\n    val list = ArrayList<Char>(size)\n    for (item in this) list.add(item)\n    return list\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n * The returned set\n * preserves the element iteration order of the original array.\n */\n\npublic fun <T> Array<out T>.toSet(): Set<T> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->\n        toCollection(LinkedHashSet<T>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n * The returned set preserves the element iteration order of the original array.\n */\n\npublic fun ByteArray.toSet():\n    Set<Byte> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->\n        toCollection(LinkedHashSet<Byte>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n * The returned set preserves the element iteration order of the original array.\n */\n\npublic fun ShortArray.toSet():\n    Set<Short> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->\n        toCollection(LinkedHashSet<Short>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n * The returned set preserves the element iteration order of the original array.\n */\n\npublic fun IntArray.toSet():\n    Set<Int> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->\n        toCollection(LinkedHashSet<Int>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n * The returned set preserves the element iteration order of the original array.\n */\n\npublic fun LongArray.toSet():\n    Set<Long> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->\n        toCollection(LinkedHashSet<Long>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n * The returned set preserves the element iteration order of the original array.\n */\n\npublic fun FloatArray.toSet():\n    Set<Float> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->\n        toCollection(LinkedHashSet<Float>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n * The returned set preserves the element iteration order of the original array.\n */\n\npublic fun DoubleArray.toSet():\n    Set<Double> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else ->\n        toCollection(LinkedHashSet<Double>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n * The returned set preserves the element iteration order of the original array.\n */\n\npublic fun\n    BooleanArray.toSet(): Set<Boolean> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else -> toCollection(LinkedHashSet<Boolean>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a [Set] of all\n * elements.\n * \n * The returned set preserves the element iteration order of the original array.\n */\n\npublic fun\n    CharArray.toSet(): Set<Char> {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(this[0])\n        else -\n        > toCollection(LinkedHashSet<Char>(mapCapacity(size)))\n    }\n}\n\n/**\n * Returns a single list of all elements\n * yielded from results of [transform] function being invoked on each element of original array.\n */\n\npublic inline fun\n    <T, R> Array<out T>.flatMap(transform: (T) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(),\n        transform)\n}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being\n * invoked on each element of original array.\n */\n\npublic inline fun <R> ByteArray.flatMap(transform: (Byte) ->\n    Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all\n * elements yielded from results of [transform] function being invoked on each element of original array.\n */\n\npublic inline fun <R> ShortArray.flatMap(transform: (Short) -> Iterable<R>): List<R> {\n    return\n        flatMapTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from results of\n * [transform] function being invoked on each element of original array.\n */\n\npublic inline fun <R>\n    IntArray.flatMap(transform: (Int) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(),\n        transform)\n}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being\n * invoked on each element of original array.\n */\n\npublic inline fun <R> LongArray.flatMap(transform: (Long) ->\n    Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all\n * elements yielded from results of [transform] function being invoked on each element of original array.\n */\n\npublic inline fun <R> FloatArray.flatMap(transform: (Float) -> Iterable<R>): List<R> {\n    return\n        flatMapTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of all elements yielded from results of\n * [transform] function being invoked on each element of original array.\n */\n\npublic inline fun <R>

```

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DoubleArray.flatMap(transform: (Double) -> Iterable<R>): List<R> {
    return flatMapTo(ArrayList<R>(),
transform)\n}\n\n/**\n * Returns a single list of all elements yielded from results of [transform] function being
invoked on each element of original array.\n */\npublic inline fun <R> BooleanArray.flatMap(transform: (Boolean)
-> Iterable<R>): List<R> {
    return flatMapTo(ArrayList<R>(), transform)\n}\n\n/**\n * Returns a single list of
all elements yielded from results of [transform] function being invoked on each element of original array.\n
*/\npublic inline fun <R> CharArray.flatMap(transform: (Char) -> Iterable<R>): List<R> {
    return
flatMapTo(ArrayList<R>(), transform)\n}\n\n/**\n * Appends all elements yielded from results of [transform]
function being invoked on each element of original array, to the given [destination].\n */\npublic inline fun <T, R, C
: MutableCollection<in R>> Array<out T>.flatMapTo(destination: C, transform: (T) -> Iterable<R>): C {
    for
(element in this) {
        val list = transform(element)\n        destination.addAll(list)\n    }\n    return
destination\n}\n\n/**\n * Appends all elements yielded from results of [transform] function being invoked on each
element of original array, to the given [destination].\n */\npublic inline fun <R, C : MutableCollection<in R>>
ByteArray.flatMapTo(destination: C, transform: (Byte) -> Iterable<R>): C {
    for (element in this) {
        val list
= transform(element)\n        destination.addAll(list)\n    }\n    return destination\n}\n\n/**\n * Appends all elements
yielded from results of [transform] function being invoked on each element of original array, to the given
[destination].\n */\npublic inline fun <R, C : MutableCollection<in R>> ShortArray.flatMapTo(destination: C,
transform: (Short) -> Iterable<R>): C {
    for (element in this) {
        val list = transform(element)\n
        destination.addAll(list)\n    }\n    return destination\n}\n\n/**\n * Appends all elements yielded from results of
[transform] function being invoked on each element of original array, to the given [destination].\n */\npublic inline
fun <R, C : MutableCollection<in R>> IntArray.flatMapTo(destination: C, transform: (Int) -> Iterable<R>): C {
    for
(element in this) {
        val list = transform(element)\n        destination.addAll(list)\n    }\n    return
destination\n}\n\n/**\n * Appends all elements yielded from results of [transform] function being invoked on each
element of original array, to the given [destination].\n */\npublic inline fun <R, C : MutableCollection<in R>>
LongArray.flatMapTo(destination: C, transform: (Long) -> Iterable<R>): C {
    for (element in this) {
        val
list = transform(element)\n        destination.addAll(list)\n    }\n    return destination\n}\n\n/**\n * Appends all
elements yielded from results of [transform] function being invoked on each element of original array, to the given
[destination].\n */\npublic inline fun <R, C : MutableCollection<in R>> FloatArray.flatMapTo(destination: C,
transform: (Float) -> Iterable<R>): C {
    for (element in this) {
        val list = transform(element)\n
        destination.addAll(list)\n    }\n    return destination\n}\n\n/**\n * Appends all elements yielded from results of
[transform] function being invoked on each element of original array, to the given [destination].\n */\npublic inline
fun <R, C : MutableCollection<in R>> DoubleArray.flatMapTo(destination: C, transform: (Double) ->
Iterable<R>): C {
    for (element in this) {
        val list = transform(element)\n        destination.addAll(list)\n
    }\n    return destination\n}\n\n/**\n * Appends all elements yielded from results of [transform] function being
invoked on each element of original array, to the given [destination].\n */\npublic inline fun <R, C :
MutableCollection<in R>> BooleanArray.flatMapTo(destination: C, transform: (Boolean) -> Iterable<R>): C {
    for
(element in this) {
        val list = transform(element)\n        destination.addAll(list)\n    }\n    return
destination\n}\n\n/**\n * Appends all elements yielded from results of [transform] function being invoked on each
element of original array, to the given [destination].\n */\npublic inline fun <R, C : MutableCollection<in R>>
CharArray.flatMapTo(destination: C, transform: (Char) -> Iterable<R>): C {
    for (element in this) {
        val list
= transform(element)\n        destination.addAll(list)\n    }\n    return destination\n}\n\n/**\n * Groups elements of the
original array by the key returned by the given [keySelector] function\n * applied to each element and returns a map
where each group key is associated with a list of corresponding elements.\n * \n * The returned map preserves the
entry iteration order of the keys produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupBy\n */\npublic inline fun <T, K> Array<out
T>.groupBy(keySelector: (T) -> K): Map<K, List<T>> {
    return groupByTo(LinkedHashMap<K,
MutableList<T>>(), keySelector)\n}\n\n/**\n * Groups elements of the original array by the key returned by the
given [keySelector] function\n * applied to each element and returns a map where each group key is associated with
a list of corresponding elements.\n * \n * The returned map preserves the entry iteration order of the keys produced

```

from the original array.

```

@sample samples.collections.Collections.Transformations.groupBy
public inline fun <K> ByteArray.groupBy(keySelector: (Byte) -> K): Map<K, List<Byte>> {
    return groupByTo(LinkedHashMap<K, MutableList<Byte>>(), keySelector)
}

```

Groups elements of the original array by the key returned by the given [keySelector] function applied to each element and returns a map where each group key is associated with a list of corresponding elements. The returned map preserves the entry iteration order of the keys produced from the original array.

```

@sample samples.collections.Collections.Transformations.groupBy
public inline fun <K> ShortArray.groupBy(keySelector: (Short) -> K): Map<K, List<Short>> {
    return groupByTo(LinkedHashMap<K, MutableList<Short>>(), keySelector)
}

```

Groups elements of the original array by the key returned by the given [keySelector] function applied to each element and returns a map where each group key is associated with a list of corresponding elements. The returned map preserves the entry iteration order of the keys produced from the original array.

```

@sample samples.collections.Collections.Transformations.groupBy
public inline fun <K> IntArray.groupBy(keySelector: (Int) -> K): Map<K, List<Int>> {
    return groupByTo(LinkedHashMap<K, MutableList<Int>>(), keySelector)
}

```

Groups elements of the original array by the key returned by the given [keySelector] function applied to each element and returns a map where each group key is associated with a list of corresponding elements. The returned map preserves the entry iteration order of the keys produced from the original array.

```

@sample samples.collections.Collections.Transformations.groupBy
public inline fun <K> LongArray.groupBy(keySelector: (Long) -> K): Map<K, List<Long>> {
    return groupByTo(LinkedHashMap<K, MutableList<Long>>(), keySelector)
}

```

Groups elements of the original array by the key returned by the given [keySelector] function applied to each element and returns a map where each group key is associated with a list of corresponding elements. The returned map preserves the entry iteration order of the keys produced from the original array.

```

@sample samples.collections.Collections.Transformations.groupBy
public inline fun <K> FloatArray.groupBy(keySelector: (Float) -> K): Map<K, List<Float>> {
    return groupByTo(LinkedHashMap<K, MutableList<Float>>(), keySelector)
}

```

Groups elements of the original array by the key returned by the given [keySelector] function applied to each element and returns a map where each group key is associated with a list of corresponding elements. The returned map preserves the entry iteration order of the keys produced from the original array.

```

@sample samples.collections.Collections.Transformations.groupBy
public inline fun <K> DoubleArray.groupBy(keySelector: (Double) -> K): Map<K, List<Double>> {
    return groupByTo(LinkedHashMap<K, MutableList<Double>>(), keySelector)
}

```

Groups elements of the original array by the key returned by the given [keySelector] function applied to each element and returns a map where each group key is associated with a list of corresponding elements. The returned map preserves the entry iteration order of the keys produced from the original array.

```

@sample samples.collections.Collections.Transformations.groupBy
public inline fun <K> BooleanArray.groupBy(keySelector: (Boolean) -> K): Map<K, List<Boolean>> {
    return groupByTo(LinkedHashMap<K, MutableList<Boolean>>(), keySelector)
}

```

Groups elements of the original array by the key returned by the given [keySelector] function applied to each element and returns a map where each group key is associated with a list of corresponding elements. The returned map preserves the entry iteration order of the keys produced from the original array.

```

@sample samples.collections.Collections.Transformations.groupBy
public inline fun <K> CharArray.groupBy(keySelector: (Char) -> K): Map<K, List<Char>> {
    return groupByTo(LinkedHashMap<K, MutableList<Char>>(), keySelector)
}

```

Groups values returned by the [valueTransform] function applied to each element of the original array by the key returned by the given [keySelector] function applied to the element and returns a map where each group key is associated with a list of corresponding values. The returned map preserves the entry iteration order of the keys produced from the original array.

```

@sample samples.collections.Collections.Transformations.groupByKeysAndValues
public inline fun <T, K, V> Array<out T>.groupBy(keySelector: (T) -> K, valueTransform: (T) -> V): Map<K, List<V>> {
    return

```

groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by the given [keySelector] function applied to the element\n * and returns a map where each group key is associated with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys produced from the original array.\n * \n * @sample

samples.collections.Collections.Transformations.groupByKeyAndValues\n */\npublic inline fun <K, V>

ByteArray.groupBy(keySelector: (Byte) -> K, valueTransform: (Byte) -> V): Map<K, List<V>> {\n return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by the given [keySelector] function applied to the element\n * and returns a map where each group key is associated with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys produced from the original array.\n * \n * @sample

samples.collections.Collections.Transformations.groupByKeyAndValues\n */\npublic inline fun <K, V>

ShortArray.groupBy(keySelector: (Short) -> K, valueTransform: (Short) -> V): Map<K, List<V>> {\n return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by the given [keySelector] function applied to the element\n * and returns a map where each group key is associated with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys produced from the original array.\n * \n * @sample

samples.collections.Collections.Transformations.groupByKeyAndValues\n */\npublic inline fun <K, V>

IntArray.groupBy(keySelector: (Int) -> K, valueTransform: (Int) -> V): Map<K, List<V>> {\n return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by the given [keySelector] function applied to the element\n * and returns a map where each group key is associated with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys produced from the original array.\n * \n * @sample

samples.collections.Collections.Transformations.groupByKeyAndValues\n */\npublic inline fun <K, V>

LongArray.groupBy(keySelector: (Long) -> K, valueTransform: (Long) -> V): Map<K, List<V>> {\n return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by the given [keySelector] function applied to the element\n * and returns a map where each group key is associated with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys produced from the original array.\n * \n * @sample

samples.collections.Collections.Transformations.groupByKeyAndValues\n */\npublic inline fun <K, V>

FloatArray.groupBy(keySelector: (Float) -> K, valueTransform: (Float) -> V): Map<K, List<V>> {\n return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by the given [keySelector] function applied to the element\n * and returns a map where each group key is associated with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys produced from the original array.\n * \n * @sample

samples.collections.Collections.Transformations.groupByKeyAndValues\n */\npublic inline fun <K, V>

DoubleArray.groupBy(keySelector: (Double) -> K, valueTransform: (Double) -> V): Map<K, List<V>> {\n return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by the given [keySelector] function applied to the element\n * and returns a map where each group key is associated with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys produced from the original array.\n * \n * @sample

samples.collections.Collections.Transformations.groupByKeyAndValues\n */\npublic inline fun <K, V>

```

BooleanArray.groupBy(keySelector: (Boolean) -> K, valueTransform: (Boolean) -> V): Map<K, List<V>> {\n
return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups
values returned by the [valueTransform] function applied to each element of the original array\n * by the key
returned by the given [keySelector] function applied to the element\n * and returns a map where each group key is
associated with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the
keys produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeyAndValues\n */\npublic inline fun <K, V>
CharArray.groupBy(keySelector: (Char) -> K, valueTransform: (Char) -> V): Map<K, List<V>> {\n return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups elements
of the original array by the key returned by the given [keySelector] function\n * applied to each element and puts to
the [destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\npublic inline
fun <T, K, M : MutableMap<in K, MutableList<T>>> Array<out T>.groupByTo(destination: M, keySelector: (T) -
> K): M {\n for (element in this) {\n val key = keySelector(element)\n val list = destination.getOrPut(key)
{ ArrayList<T>() }\n list.add(element)\n }\n return destination\n}\n\n/**\n * Groups elements of the
original array by the key returned by the given [keySelector] function\n * applied to each element and puts to the
[destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\npublic inline
fun <K, M : MutableMap<in K, MutableList<Byte>>> ByteArray.groupByTo(destination: M, keySelector: (Byte) -
> K): M {\n for (element in this) {\n val key = keySelector(element)\n val list = destination.getOrPut(key)
{ ArrayList<Byte>() }\n list.add(element)\n }\n return destination\n}\n\n/**\n * Groups elements of the
original array by the key returned by the given [keySelector] function\n * applied to each element and puts to the
[destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\npublic inline
fun <K, M : MutableMap<in K, MutableList<Short>>> ShortArray.groupByTo(destination: M, keySelector: (Short)
-> K): M {\n for (element in this) {\n val key = keySelector(element)\n val list =
destination.getOrPut(key) { ArrayList<Short>() }\n list.add(element)\n }\n return destination\n}\n\n/**\n *
Groups elements of the original array by the key returned by the given [keySelector] function\n * applied to each
element and puts to the [destination] map each group key associated with a list of corresponding elements.\n * \n *
@return The [destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\n
public inline fun <K, M : MutableMap<in K, MutableList<Int>>> IntArray.groupByTo(destination: M,
keySelector: (Int) -> K): M {\n for (element in this) {\n val key = keySelector(element)\n val list =
destination.getOrPut(key) { ArrayList<Int>() }\n list.add(element)\n }\n return destination\n}\n\n/**\n *
Groups elements of the original array by the key returned by the given [keySelector] function\n * applied to each
element and puts to the [destination] map each group key associated with a list of corresponding elements.\n * \n *
@return The [destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\n
public inline fun <K, M : MutableMap<in K, MutableList<Long>>> LongArray.groupByTo(destination: M,
keySelector: (Long) -> K): M {\n for (element in this) {\n val key = keySelector(element)\n val list =
destination.getOrPut(key) { ArrayList<Long>() }\n list.add(element)\n }\n return destination\n}\n\n/**\n *
Groups elements of the original array by the key returned by the given [keySelector] function\n * applied to each
element and puts to the [destination] map each group key associated with a list of corresponding elements.\n * \n *
@return The [destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\n
public inline fun <K, M : MutableMap<in K, MutableList<Float>>> FloatArray.groupByTo(destination: M,
keySelector: (Float) -> K): M {\n for (element in this) {\n val key = keySelector(element)\n val list =
destination.getOrPut(key) { ArrayList<Float>() }\n list.add(element)\n }\n return destination\n}\n\n/**\n *
Groups elements of the original array by the key returned by the given [keySelector] function\n * applied to each
element and puts to the [destination] map each group key associated with a list of corresponding elements.\n * \n *
@return The [destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n

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```

*public inline fun <K, M : MutableMap<in K, MutableList<Double>>> DoubleArray.groupByTo(destination: M,
keySelector: (Double) -> K): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<Double>() }
        list.add(element)
    }
    return destination
}

* Groups elements of the original array by the key returned by the given [keySelector] function
* applied to each element and puts to the [destination] map each group key associated with a list of corresponding elements.

* @return The [destination] map.

* @sample samples.collections.Collections.Transformations.groupBy

*public inline fun <K, M : MutableMap<in K, MutableList<Boolean>>> BooleanArray.groupByTo(destination:
M, keySelector: (Boolean) -> K): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<Boolean>() }
        list.add(element)
    }
    return destination
}

* Groups elements of the original array by the key returned by the given [keySelector]
function
* applied to each element and puts to the [destination] map each group key associated with a list of
corresponding elements.

* @return The [destination] map.

* @sample
samples.collections.Collections.Transformations.groupBy

*public inline fun <K, M : MutableMap<in K,
MutableList<Char>>> CharArray.groupByTo(destination: M, keySelector: (Char) -> K): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<Char>() }
        list.add(element)
    }
    return destination
}

* Groups values returned by the [valueTransform] function
applied to each element of the original array
* by the key returned by the given [keySelector] function applied to the element
* and puts to the [destination] map each group key associated with a list of corresponding values.

* @return The [destination] map.

* @sample
samples.collections.Collections.Transformations.groupByKeysAndValues

*public inline fun <T, K, V, M :
MutableMap<in K, MutableList<V>>> Array<out T>.groupByTo(destination: M, keySelector: (T) -> K,
valueTransform: (T) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<V>() }
        list.add(valueTransform(element))
    }
    return destination
}

* Groups values returned by the [valueTransform] function applied to each element of the
original array
* by the key returned by the given [keySelector] function applied to the element
* and puts to the [destination] map each group key associated with a list of corresponding values.

* @return The [destination]
map.

* @sample samples.collections.Collections.Transformations.groupByKeysAndValues

*public
inline fun <K, V, M : MutableMap<in K, MutableList<V>>> ByteArray.groupByTo(destination: M, keySelector:
(Byte) -> K, valueTransform: (Byte) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<V>() }
        list.add(valueTransform(element))
    }
    return destination
}

* Groups values returned by the [valueTransform] function applied to each element of the
original array
* by the key returned by the given [keySelector] function applied to the element
* and puts to the [destination] map each group key associated with a list of corresponding values.

* @return The [destination]
map.

* @sample samples.collections.Collections.Transformations.groupByKeysAndValues

*public
inline fun <K, V, M : MutableMap<in K, MutableList<V>>> ShortArray.groupByTo(destination: M, keySelector:
(Short) -> K, valueTransform: (Short) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<V>() }
        list.add(valueTransform(element))
    }
    return destination
}

* Groups values returned by the [valueTransform] function applied to each element of the
original array
* by the key returned by the given [keySelector] function applied to the element
* and puts to the [destination] map each group key associated with a list of corresponding values.

* @return The [destination]
map.

* @sample samples.collections.Collections.Transformations.groupByKeysAndValues

*public
inline fun <K, V, M : MutableMap<in K, MutableList<V>>> IntArray.groupByTo(destination: M, keySelector:
(Int) -> K, valueTransform: (Int) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<V>() }
        list.add(valueTransform(element))
    }
    return destination
}

* Groups values returned by the [valueTransform] function applied to each element of the
original array
* by the key returned by the given [keySelector] function applied to the element
* and puts to the [destination] map each group key associated with a list of corresponding values.

* @return The [destination]
map.

* @sample samples.collections.Collections.Transformations.groupByKeysAndValues

```



```

inline fun <K, V, M : MutableMap<in K, MutableList<V>>> LongArray.groupByTo(destination: M, keySelector:
(Long) -> K, valueTransform: (Long) -> V): M {\n  for (element in this) {\n    val key = keySelector(element)\n
    val list = destination.getOrPut(key) { ArrayList<V>() }\n    list.add(valueTransform(element))\n  }\n  return
destination}\n}\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the
original array\n * by the key returned by the given [keySelector] function applied to the element\n * and puts to the
[destination] map each group key associated with a list of corresponding values.\n * \n * @return The [destination]
map.\n * \n * @sample samples.collections.Collections.Transformations.groupByKeyAndValues\n */\npublic
inline fun <K, V, M : MutableMap<in K, MutableList<V>>> FloatArray.groupByTo(destination: M, keySelector:
(Float) -> K, valueTransform: (Float) -> V): M {\n  for (element in this) {\n    val key = keySelector(element)\n
    val list = destination.getOrPut(key) { ArrayList<V>() }\n    list.add(valueTransform(element))\n  }\n  return
destination}\n}\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the
original array\n * by the key returned by the given [keySelector] function applied to the element\n * and puts to the
[destination] map each group key associated with a list of corresponding values.\n * \n * @return The [destination]
map.\n * \n * @sample samples.collections.Collections.Transformations.groupByKeyAndValues\n */\npublic
inline fun <K, V, M : MutableMap<in K, MutableList<V>>> DoubleArray.groupByTo(destination: M, keySelector:
(Double) -> K, valueTransform: (Double) -> V): M {\n  for (element in this) {\n    val key =
keySelector(element)\n    val list = destination.getOrPut(key) { ArrayList<V>() }\n
list.add(valueTransform(element))\n  }\n  return destination}\n}\n/**\n * Groups values returned by the
[valueTransform] function applied to each element of the original array\n * by the key returned by the given
[keySelector] function applied to the element\n * and puts to the [destination] map each group key associated with a
list of corresponding values.\n * \n * @return The [destination] map.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeyAndValues\n */\npublic inline fun <K, V, M :
MutableMap<in K, MutableList<V>>> BooleanArray.groupByTo(destination: M, keySelector: (Boolean) -> K,
valueTransform: (Boolean) -> V): M {\n  for (element in this) {\n    val key = keySelector(element)\n    val list
= destination.getOrPut(key) { ArrayList<V>() }\n    list.add(valueTransform(element))\n  }\n  return
destination}\n}\n/**\n * Groups values returned by the [valueTransform] function applied to each element of the
original array\n * by the key returned by the given [keySelector] function applied to the element\n * and puts to the
[destination] map each group key associated with a list of corresponding values.\n * \n * @return The [destination]
map.\n * \n * @sample samples.collections.Collections.Transformations.groupByKeyAndValues\n */\npublic
inline fun <K, V, M : MutableMap<in K, MutableList<V>>> CharArray.groupByTo(destination: M, keySelector:
(Char) -> K, valueTransform: (Char) -> V): M {\n  for (element in this) {\n    val key = keySelector(element)\n
    val list = destination.getOrPut(key) { ArrayList<V>() }\n    list.add(valueTransform(element))\n  }\n  return
destination}\n}\n/**\n * Creates a [Grouping] source from an array to be used later with one of group-and-fold
operations\n * using the specified [keySelector] function to extract a key from each element.\n * \n * @sample
samples.collections.Grouping.groupingByEachCount\n */\n@SinceKotlin("1.1")\npublic inline fun <T, K>
Array<out T>.groupingBy(crossinline keySelector: (T) -> K): Grouping<T, K> {\n  return object : Grouping<T,
K> {\n    override fun sourceIterator(): Iterator<T> = this@groupingBy.iterator()\n    override fun
keyOf(element: T): K = keySelector(element)\n  }\n}\n/**\n * Returns a list containing the results of applying
the given [transform] function\n * to each element in the original array.\n * \n * @sample
samples.collections.Collections.Transformations.map\n */\npublic inline fun <T, R> Array<out T>.map(transform:
(T) -> R): List<R> {\n  return mapTo(ArrayList<R>(size), transform)\n}\n/**\n * Returns a list containing the
results of applying the given [transform] function\n * to each element in the original array.\n * \n * @sample
samples.collections.Collections.Transformations.map\n */\npublic inline fun <R> ByteArray.map(transform: (Byte)
-> R): List<R> {\n  return mapTo(ArrayList<R>(size), transform)\n}\n/**\n * Returns a list containing the
results of applying the given [transform] function\n * to each element in the original array.\n * \n * @sample
samples.collections.Collections.Transformations.map\n */\npublic inline fun <R> ShortArray.map(transform:
(Short) -> R): List<R> {\n  return mapTo(ArrayList<R>(size), transform)\n}\n/**\n * Returns a list containing
the results of applying the given [transform] function\n * to each element in the original array.\n * \n * @sample

```

`samples.collections.Collections.Transformations.map`\n * \npublic inline fun <R> IntArray.map(transform: (Int) -> R): List<R> {\n return mapTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element in the original array.\n * \n * @sample

`samples.collections.Collections.Transformations.map`\n * \npublic inline fun <R> LongArray.map(transform: (Long) -> R): List<R> {\n return mapTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element in the original array.\n * \n * @sample

`samples.collections.Collections.Transformations.map`\n * \npublic inline fun <R> FloatArray.map(transform: (Float) -> R): List<R> {\n return mapTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element in the original array.\n * \n * @sample

`samples.collections.Collections.Transformations.map`\n * \npublic inline fun <R> DoubleArray.map(transform: (Double) -> R): List<R> {\n return mapTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element in the original array.\n * \n * @sample

`samples.collections.Collections.Transformations.map`\n * \npublic inline fun <R> BooleanArray.map(transform: (Boolean) -> R): List<R> {\n return mapTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element in the original array.\n * \n * @sample

`samples.collections.Collections.Transformations.map`\n * \npublic inline fun <R> CharArray.map(transform: (Char) -> R): List<R> {\n return mapTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element and its index in the original array.\n * @param [transform] function that takes the index of an element and the element itself\n * and returns the result of the transform applied to the element.\n * \npublic inline fun <T, R> Array<out T>.mapIndexed(transform: (index: Int, T) -> R): List<R> {\n return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element and its index in the original array.\n * @param [transform] function that takes the index of an element and the element itself\n * and returns the result of the transform applied to the element.\n * \npublic inline fun <R> ByteArray.mapIndexed(transform: (index: Int, Byte) -> R): List<R> {\n return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element and its index in the original array.\n * @param [transform] function that takes the index of an element and the element itself\n * and returns the result of the transform applied to the element.\n * \npublic inline fun <R> ShortArray.mapIndexed(transform: (index: Int, Short) -> R): List<R> {\n return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element and its index in the original array.\n * @param [transform] function that takes the index of an element and the element itself\n * and returns the result of the transform applied to the element.\n * \npublic inline fun <R> IntArray.mapIndexed(transform: (index: Int, Int) -> R): List<R> {\n return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element and its index in the original array.\n * @param [transform] function that takes the index of an element and the element itself\n * and returns the result of the transform applied to the element.\n * \npublic inline fun <R> LongArray.mapIndexed(transform: (index: Int, Long) -> R): List<R> {\n return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element and its index in the original array.\n * @param [transform] function that takes the index of an element and the element itself\n * and returns the result of the transform applied to the element.\n * \npublic inline fun <R> FloatArray.mapIndexed(transform: (index: Int, Float) -> R): List<R> {\n return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element and its index in the original array.\n * @param [transform] function that takes the index of an element and the element itself\n * and returns the result of the transform applied to the element.\n * \npublic inline fun <R> DoubleArray.mapIndexed(transform: (index: Int, Double) -> R): List<R> {\n return mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each element and its index in the original array.\n * @param [transform] function that takes the index of an element and the element itself\n * and returns the

result of the transform applied to the element.

```

public inline fun <R> BooleanArray.mapIndexed(transform:
(index: Int, Boolean) -> R): List<R> {
    return mapIndexedTo(ArrayList<R>(size), transform)
}

```

Returns a list containing the results of applying the given [transform] function to each element and its index in the original array.

@param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```

public inline fun <R>
CharArray.mapIndexed(transform: (index: Int, Char) -> R): List<R> {
    return
mapIndexedTo(ArrayList<R>(size), transform)
}

```

Returns a list containing only the non-null results of applying the given [transform] function to each element and its index in the original array.

@param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```

public inline fun <T, R : Any> Array<out
T>.mapIndexedNotNull(transform: (index: Int, T) -> R?): List<R> {
    return
mapIndexedNotNullTo(ArrayList<R>(), transform)
}

```

Applies the given [transform] function to each element and its index in the original array and appends only the non-null results to the given [destination].

@param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```

public inline fun <T, R : Any, C : MutableCollection<in R>> Array<out
T>.mapIndexedNotNullTo(destination: C, transform: (index: Int, T) -> R?): C {
    for<Indexed> { index,
element -> transform(index, element)?.let { destination.add(it) } }
    return destination
}

```

Applies the given [transform] function to each element and its index in the original array and appends the results to the given [destination].

@param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```

public inline fun <T, R, C : MutableCollection<in
R>> Array<out T>.mapIndexedTo(destination: C, transform: (index: Int, T) -> R): C {
    var index = 0
    for (item in this)
        destination.add(transform(index++, item))
    return destination
}

```

Applies the given [transform] function to each element and its index in the original array and appends the results to the given [destination].

@param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```

public inline fun <R, C : MutableCollection<in R>>
ByteArray.mapIndexedTo(destination: C, transform: (index: Int, Byte) -> R): C {
    var index = 0
    for (item in this)
        destination.add(transform(index++, item))
    return destination
}

```

Applies the given [transform] function to each element and its index in the original array and appends the results to the given [destination].

@param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```

public inline fun <R, C : MutableCollection<in R>>
ShortArray.mapIndexedTo(destination: C, transform: (index: Int, Short) -> R): C {
    var index = 0
    for (item in this)
        destination.add(transform(index++, item))
    return destination
}

```

Applies the given [transform] function to each element and its index in the original array and appends the results to the given [destination].

@param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```

public inline fun <R, C : MutableCollection<in R>>
IntArray.mapIndexedTo(destination: C, transform: (index: Int, Int) -> R): C {
    var index = 0
    for (item in this)
        destination.add(transform(index++, item))
    return destination
}

```

Applies the given [transform] function to each element and its index in the original array and appends the results to the given [destination].

@param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```

public inline fun <R, C : MutableCollection<in R>>
LongArray.mapIndexedTo(destination: C, transform: (index: Int, Long) -> R): C {
    var index = 0
    for (item in this)
        destination.add(transform(index++, item))
    return destination
}

```

Applies the given [transform] function to each element and its index in the original array and appends the results to the given [destination].

@param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

```

public inline fun <R, C : MutableCollection<in R>>
FloatArray.mapIndexedTo(destination: C, transform: (index: Int, Float) -> R): C {
    var index = 0
    for (item in this)
        destination.add(transform(index++, item))
    return destination
}

```

Applies the given [transform] function to each element and its index in the original array and appends the results to the given [destination].

```

[destination].\n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n *\npublic inline fun <R, C : MutableCollection<in R>>
DoubleArray.mapIndexedTo(destination: C, transform: (index: Int, Double) -> R): C {\n  var index = 0\n  for
(item in this)\n    destination.add(transform(index++, item))\n  return destination\n}\n\n/**\n * Applies the given
[transform] function to each element and its index in the original array\n * and appends the results to the given
[destination].\n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n *\npublic inline fun <R, C : MutableCollection<in R>>
BooleanArray.mapIndexedTo(destination: C, transform: (index: Int, Boolean) -> R): C {\n  var index = 0\n  for
(item in this)\n    destination.add(transform(index++, item))\n  return destination\n}\n\n/**\n * Applies the given
[transform] function to each element and its index in the original array\n * and appends the results to the given
[destination].\n * @param [transform] function that takes the index of an element and the element itself\n * and
returns the result of the transform applied to the element.\n *\npublic inline fun <R, C : MutableCollection<in R>>
CharArray.mapIndexedTo(destination: C, transform: (index: Int, Char) -> R): C {\n  var index = 0\n  for (item in
this)\n    destination.add(transform(index++, item))\n  return destination\n}\n\n/**\n * Returns a list containing
only the non-null results of applying the given [transform] function\n * to each element in the original array.\n
*\npublic inline fun <T, R : Any> Array<out T>.mapNotNull(transform: (T) -> R?): List<R> {\n  return
mapNotNullTo(ArrayList<R>(), transform)\n}\n\n/**\n * Applies the given [transform] function to each element in
the original array\n * and appends only the non-null results to the given [destination].\n *\npublic inline fun <T, R :
Any, C : MutableCollection<in R>> Array<out T>.mapNotNullTo(destination: C, transform: (T) -> R?): C {\n
  forEach { element -> transform(element)?.let { destination.add(it) } }\n  return destination\n}\n\n/**\n * Applies
the given [transform] function to each element of the original array\n * and appends the results to the given
[destination].\n *\npublic inline fun <T, R, C : MutableCollection<in R>> Array<out T>.mapTo(destination: C,
transform: (T) -> R): C {\n  for (item in this)\n    destination.add(transform(item))\n  return
destination\n}\n\n/**\n * Applies the given [transform] function to each element of the original array\n * and
appends the results to the given [destination].\n *\npublic inline fun <R, C : MutableCollection<in R>>
ByteArray.mapTo(destination: C, transform: (Byte) -> R): C {\n  for (item in this)\n
destination.add(transform(item))\n  return destination\n}\n\n/**\n * Applies the given [transform] function to each
element of the original array\n * and appends the results to the given [destination].\n *\npublic inline fun <R, C :
MutableCollection<in R>> ShortArray.mapTo(destination: C, transform: (Short) -> R): C {\n  for (item in this)\n
destination.add(transform(item))\n  return destination\n}\n\n/**\n * Applies the given [transform] function to
each element of the original array\n * and appends the results to the given [destination].\n *\npublic inline fun <R,
C : MutableCollection<in R>> IntArray.mapTo(destination: C, transform: (Int) -> R): C {\n  for (item in this)\n
destination.add(transform(item))\n  return destination\n}\n\n/**\n * Applies the given [transform] function to each
element of the original array\n * and appends the results to the given [destination].\n *\npublic inline fun <R, C :
MutableCollection<in R>> LongArray.mapTo(destination: C, transform: (Long) -> R): C {\n  for (item in this)\n
destination.add(transform(item))\n  return destination\n}\n\n/**\n * Applies the given [transform] function to
each element of the original array\n * and appends the results to the given [destination].\n *\npublic inline fun <R,
C : MutableCollection<in R>> FloatArray.mapTo(destination: C, transform: (Float) -> R): C {\n  for (item in
this)\n    destination.add(transform(item))\n  return destination\n}\n\n/**\n * Applies the given [transform]
function to each element of the original array\n * and appends the results to the given [destination].\n *\npublic
inline fun <R, C : MutableCollection<in R>> DoubleArray.mapTo(destination: C, transform: (Double) -> R): C {\n
  for (item in this)\n    destination.add(transform(item))\n  return destination\n}\n\n/**\n * Applies the given
[transform] function to each element of the original array\n * and appends the results to the given [destination].\n
*\npublic inline fun <R, C : MutableCollection<in R>> BooleanArray.mapTo(destination: C, transform: (Boolean)
-> R): C {\n  for (item in this)\n    destination.add(transform(item))\n  return destination\n}\n\n/**\n * Applies
the given [transform] function to each element of the original array\n * and appends the results to the given
[destination].\n *\npublic inline fun <R, C : MutableCollection<in R>> CharArray.mapTo(destination: C,
transform: (Char) -> R): C {\n  for (item in this)\n    destination.add(transform(item))\n  return

```

destination\n}\n\n/**\n * Returns a lazy [Iterable] that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the element itself.\n */\npublic fun <T> Array<out T>.withIndex(): Iterable<IndexedValue<T>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable] that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the element itself.\n */\npublic fun ByteArray.withIndex(): Iterable<IndexedValue<Byte>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable] that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the element itself.\n */\npublic fun ShortArray.withIndex(): Iterable<IndexedValue<Short>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable] that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the element itself.\n */\npublic fun IntArray.withIndex(): Iterable<IndexedValue<Int>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable] that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the element itself.\n */\npublic fun LongArray.withIndex(): Iterable<IndexedValue<Long>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable] that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the element itself.\n */\npublic fun FloatArray.withIndex(): Iterable<IndexedValue<Float>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable] that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the element itself.\n */\npublic fun DoubleArray.withIndex(): Iterable<IndexedValue<Double>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable] that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the element itself.\n */\npublic fun BooleanArray.withIndex(): Iterable<IndexedValue<Boolean>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable] that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the element itself.\n */\npublic fun CharArray.withIndex(): Iterable<IndexedValue<Char>> {\n return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a list containing only distinct elements from the given array.\n * \n * The elements in the resulting list are in the same order as they were in the source array.\n */\npublic fun <T> Array<out T>.distinct(): List<T> {\n return this.toMutableSet().toList()\n}\n\n/**\n * Returns a list containing only distinct elements from the given array.\n * \n * The elements in the resulting list are in the same order as they were in the source array.\n */\npublic fun ByteArray.distinct(): List<Byte> {\n return this.toMutableSet().toList()\n}\n\n/**\n * Returns a list containing only distinct elements from the given array.\n * \n * The elements in the resulting list are in the same order as they were in the source array.\n */\npublic fun ShortArray.distinct(): List<Short> {\n return this.toMutableSet().toList()\n}\n\n/**\n * Returns a list containing only distinct elements from the given array.\n * \n * The elements in the resulting list are in the same order as they were in the source array.\n */\npublic fun IntArray.distinct(): List<Int> {\n return this.toMutableSet().toList()\n}\n\n/**\n * Returns a list containing only distinct elements from the given array.\n * \n * The elements in the resulting list are in the same order as they were in the source array.\n */\npublic fun LongArray.distinct(): List<Long> {\n return this.toMutableSet().toList()\n}\n\n/**\n * Returns a list containing only distinct elements from the given array.\n * \n * The elements in the resulting list are in the same order as they were in the source array.\n */\npublic fun FloatArray.distinct(): List<Float> {\n return this.toMutableSet().toList()\n}\n\n/**\n * Returns a list containing only distinct elements from the given array.\n * \n * The elements in the resulting list are in the same order as they were in the source array.\n */\npublic fun DoubleArray.distinct(): List<Double> {\n return this.toMutableSet().toList()\n}\n\n/**\n * Returns a list containing only distinct elements from the given array.\n * \n * The elements in the resulting list are in the same order as they were in the source array.\n */\npublic fun BooleanArray.distinct(): List<Boolean> {\n return this.toMutableSet().toList()\n}\n\n/**\n * Returns a list containing only distinct elements from the given array.\n * \n * The elements in the resulting list are in the same order as they were in the source array.\n */\npublic fun CharArray.distinct(): List<Char> {\n return this.toMutableSet().toList()\n}\n\n/**\n * Returns a list containing only elements from the given array\n * having distinct keys returned by the given [selector] function.\n * \n * The elements in the resulting list are in the same

order as they were in the source array.

```

public inline fun <T, K> Array<out T>.distinctBy(selector: (T) -> K):
List<T> {
    val set = HashSet<K>()
    val list = ArrayList<T>()
    for (e in this) {
        val key = selector(e)
        if (set.add(key))
            list.add(e)
    }
    return list
}

```

* Returns a list containing only elements from the given array having distinct keys returned by the given [selector] function. The elements in the resulting list are in the same order as they were in the source array.

```

public inline fun <K>
ByteArray.distinctBy(selector: (Byte) -> K): List<Byte> {
    val set = HashSet<K>()
    val list = ArrayList<Byte>()
    for (e in this) {
        val key = selector(e)
        if (set.add(key))
            list.add(e)
    }
    return list
}

```

* Returns a list containing only elements from the given array having distinct keys returned by the given [selector] function. The elements in the resulting list are in the same order as they were in the source array.

```

public inline fun <K> ShortArray.distinctBy(selector: (Short) -> K): List<Short> {
    val set = HashSet<K>()
    val list = ArrayList<Short>()
    for (e in this) {
        val key = selector(e)
        if (set.add(key))
            list.add(e)
    }
    return list
}

```

* Returns a list containing only elements from the given array having distinct keys returned by the given [selector] function. The elements in the resulting list are in the same order as they were in the source array.

```

public inline fun <K> IntArray.distinctBy(selector:
(Int) -> K): List<Int> {
    val set = HashSet<K>()
    val list = ArrayList<Int>()
    for (e in this) {
        val key = selector(e)
        if (set.add(key))
            list.add(e)
    }
    return list
}

```

* Returns a list containing only elements from the given array having distinct keys returned by the given [selector] function. The elements in the resulting list are in the same order as they were in the source array.

```

public inline fun <K> LongArray.distinctBy(selector: (Long) -> K): List<Long> {
    val set = HashSet<K>()
    val list = ArrayList<Long>()
    for (e in this) {
        val key = selector(e)
        if (set.add(key))
            list.add(e)
    }
    return list
}

```

* Returns a list containing only elements from the given array having distinct keys returned by the given [selector] function. The elements in the resulting list are in the same order as they were in the source array.

```

public inline fun <K> FloatArray.distinctBy(selector: (Float) -> K): List<Float> {
    val set = HashSet<K>()
    val list = ArrayList<Float>()
    for (e in this) {
        val key = selector(e)
        if (set.add(key))
            list.add(e)
    }
    return list
}

```

* Returns a list containing only elements from the given array having distinct keys returned by the given [selector] function. The elements in the resulting list are in the same order as they were in the source array.

```

public inline fun <K> DoubleArray.distinctBy(selector: (Double) -> K): List<Double> {
    val set = HashSet<K>()
    val list = ArrayList<Double>()
    for (e in this) {
        val key = selector(e)
        if (set.add(key))
            list.add(e)
    }
    return list
}

```

* Returns a list containing only elements from the given array having distinct keys returned by the given [selector] function. The elements in the resulting list are in the same order as they were in the source array.

```

public inline fun <K> BooleanArray.distinctBy(selector: (Boolean) -> K):
List<Boolean> {
    val set = HashSet<K>()
    val list = ArrayList<Boolean>()
    for (e in this) {
        val key = selector(e)
        if (set.add(key))
            list.add(e)
    }
    return list
}

```

* Returns a list containing only elements from the given array having distinct keys returned by the given [selector] function. The elements in the resulting list are in the same order as they were in the source array.

```

public inline fun <K> CharArray.distinctBy(selector: (Char) -> K): List<Char> {
    val set = HashSet<K>()
    val list = ArrayList<Char>()
    for (e in this) {
        val key = selector(e)
        if (set.add(key))
            list.add(e)
    }
    return list
}

```

* Returns a set containing all elements that are contained by both this array and the specified collection. The returned set preserves the element iteration order of the original array. To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun <T>
Array<out T>.intersect(other: Iterable<T>): Set<T> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

* Returns a set containing all elements that are contained by both this array and the specified collection. The returned set preserves the element iteration order of the original array. To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun
ByteArray.intersect(other: Iterable<Byte>): Set<Byte> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

* Returns a set containing all elements that are contained by both this array and the specified collection. The returned set preserves the element iteration order of the original array. To get a set

containing all elements that are contained at least in one of these collections use [union].

```

public infix fun ShortArray.intersect(other: Iterable<Short>): Set<Short> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

Returns a set containing all elements that are contained by both this array and the specified collection. The returned set preserves the element iteration order of the original array.

To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun IntArray.intersect(other: Iterable<Int>): Set<Int> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

Returns a set containing all elements that are contained by both this array and the specified collection. The returned set preserves the element iteration order of the original array.

To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun LongArray.intersect(other: Iterable<Long>): Set<Long> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

Returns a set containing all elements that are contained by both this array and the specified collection. The returned set preserves the element iteration order of the original array.

To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun FloatArray.intersect(other: Iterable<Float>): Set<Float> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

Returns a set containing all elements that are contained by both this array and the specified collection. The returned set preserves the element iteration order of the original array.

To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun DoubleArray.intersect(other: Iterable<Double>): Set<Double> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

Returns a set containing all elements that are contained by both this array and the specified collection. The returned set preserves the element iteration order of the original array.

To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun BooleanArray.intersect(other: Iterable<Boolean>): Set<Boolean> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

Returns a set containing all elements that are contained by both this array and the specified collection. The returned set preserves the element iteration order of the original array.

To get a set containing all elements that are contained at least in one of these collections use [union].

```

public infix fun CharArray.intersect(other: Iterable<Char>): Set<Char> {
    val set = this.toMutableSet()
    set.retainAll(other)
    return set
}

```

Returns a set containing all elements that are contained by this array and not contained by the specified collection. The returned set preserves the element iteration order of the original array.

```

public infix fun <T>Array<out T>.subtract(other: Iterable<T>): Set<T> {
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

Returns a set containing all elements that are contained by this array and not contained by the specified collection. The returned set preserves the element iteration order of the original array.

```

public infix fun ByteArray.subtract(other: Iterable<Byte>): Set<Byte> {
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

Returns a set containing all elements that are contained by this array and not contained by the specified collection. The returned set preserves the element iteration order of the original array.

```

public infix fun ShortArray.subtract(other: Iterable<Short>): Set<Short> {
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

Returns a set containing all elements that are contained by this array and not contained by the specified collection. The returned set preserves the element iteration order of the original array.

```

public infix fun IntArray.subtract(other: Iterable<Int>): Set<Int> {
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

Returns a set containing all elements that are contained by this array and not contained by the specified collection. The returned set preserves the element iteration order of the original array.

```

public infix fun LongArray.subtract(other: Iterable<Long>): Set<Long> {
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

Returns a set containing all elements that are contained by this array and not contained by the specified collection. The returned set preserves the element iteration order of the original array.

```

public infix fun FloatArray.subtract(other: Iterable<Float>): Set<Float> {
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

Returns a set containing all elements that are contained by this array and not contained by the specified collection. The returned set preserves the element iteration order of

the original array.

```

public infix fun DoubleArray.subtract(other: Iterable<Double>): Set<Double> {
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

Returns a set containing all elements that are contained by this array and not contained by the specified collection.

The returned set preserves the element iteration order of the original array.

```

public infix fun BooleanArray.subtract(other: Iterable<Boolean>): Set<Boolean> {
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

Returns a set containing all elements that are contained by this array and not contained by the specified collection.

The returned set preserves the element iteration order of the original array.

```

public infix fun CharArray.subtract(other: Iterable<Char>): Set<Char> {
    val set = this.toMutableSet()
    set.removeAll(other)
    return set
}

```

Returns a mutable set containing all distinct elements from the given array.

The returned set preserves the element iteration order of the original array.

```

public fun <T> Array<out T>.toMutableSet(): MutableSet<T> {
    val set = LinkedHashSet<T>(mapCapacity(size))
    for (item in this) set.add(item)
    return set
}

```

Returns a mutable set containing all distinct elements from the given array.

The returned set preserves the element iteration order of the original array.

```

public fun ByteArray.toMutableSet(): MutableSet<Byte> {
    val set = LinkedHashSet<Byte>(mapCapacity(size))
    for (item in this) set.add(item)
    return set
}

```

Returns a mutable set containing all distinct elements from the given array.

The returned set preserves the element iteration order of the original array.

```

public fun ShortArray.toMutableSet(): MutableSet<Short> {
    val set = LinkedHashSet<Short>(mapCapacity(size))
    for (item in this) set.add(item)
    return set
}

```

Returns a mutable set containing all distinct elements from the given array.

The returned set preserves the element iteration order of the original array.

```

public fun IntArray.toMutableSet(): MutableSet<Int> {
    val set = LinkedHashSet<Int>(mapCapacity(size))
    for (item in this) set.add(item)
    return set
}

```

Returns a mutable set containing all distinct elements from the given array.

The returned set preserves the element iteration order of the original array.

```

public fun LongArray.toMutableSet(): MutableSet<Long> {
    val set = LinkedHashSet<Long>(mapCapacity(size))
    for (item in this) set.add(item)
    return set
}

```

Returns a mutable set containing all distinct elements from the given array.

The returned set preserves the element iteration order of the original array.

```

public fun FloatArray.toMutableSet(): MutableSet<Float> {
    val set = LinkedHashSet<Float>(mapCapacity(size))
    for (item in this) set.add(item)
    return set
}

```

Returns a mutable set containing all distinct elements from the given array.

The returned set preserves the element iteration order of the original array.

```

public fun DoubleArray.toMutableSet(): MutableSet<Double> {
    val set = LinkedHashSet<Double>(mapCapacity(size))
    for (item in this) set.add(item)
    return set
}

```

Returns a mutable set containing all distinct elements from the given array.

The returned set preserves the element iteration order of the original array.

```

public fun BooleanArray.toMutableSet(): MutableSet<Boolean> {
    val set = LinkedHashSet<Boolean>(mapCapacity(size))
    for (item in this) set.add(item)
    return set
}

```

Returns a mutable set containing all distinct elements from the given array.

The returned set preserves the element iteration order of the original array.

```

public fun CharArray.toMutableSet(): MutableSet<Char> {
    val set = LinkedHashSet<Char>(mapCapacity(size))
    for (item in this) set.add(item)
    return set
}

```

Returns a set containing all distinct elements from both collections.

The returned set preserves the element iteration order of the original array.

Those elements of the [other] collection that are unique are iterated in the end

in the order of the [other] collection.

To get a set containing all elements that are contained in both collections use [intersect].

```

public infix fun <T> Array<out T>.union(other: Iterable<T>): Set<T> {
    val set = this.toMutableSet()
    set.addAll(other)
    return set
}

```

Returns a set containing all distinct elements from both collections.

The returned set preserves the element iteration order of the original array.

Those elements of the [other] collection that are unique are iterated in the end

in the order of the [other] collection.

To get a set containing all elements that are contained in both collections use [intersect].

```

public fun ByteArray.union(other: Iterable<Byte>): Set<Byte> {
    val set = this.toMutableSet()
    set.addAll(other)
    return set
}

```

Returns a set containing all distinct elements from both collections.

The returned set preserves the element iteration order of the original array.

Those elements of the [other] collection that are unique are iterated in the end

in the order of the [other] collection.

To get a set containing all elements

that are contained in both collections use [intersect].

```

public infix fun ShortArray.union(other:
Iterable<Short>): Set<Short> {
    val set = this.toMutableSet()
    set.addAll(other)
    return set
}

```

Returns a set containing all distinct elements from both collections. The returned set preserves the element iteration order of the original array. Those elements of the [other] collection that are unique are iterated in the end in the order of the [other] collection. To get a set containing all elements that are contained in both collections use [intersect].

```

public infix fun IntArray.union(other: Iterable<Int>): Set<Int> {
    val set =
this.toMutableSet()
    set.addAll(other)
    return set
}

```

Returns a set containing all distinct elements from both collections. The returned set preserves the element iteration order of the original array. Those elements of the [other] collection that are unique are iterated in the end in the order of the [other] collection. To get a set containing all elements that are contained in both collections use [intersect].

```

public infix fun LongArray.union(other: Iterable<Long>): Set<Long> {
    val set = this.toMutableSet()
    set.addAll(other)
    return set
}

```

Returns a set containing all distinct elements from both collections. The returned set preserves the element iteration order of the original array. Those elements of the [other] collection that are unique are iterated in the end in the order of the [other] collection. To get a set containing all elements that are contained in both collections use [intersect].

```

public infix fun FloatArray.union(other: Iterable<Float>):
Set<Float> {
    val set = this.toMutableSet()
    set.addAll(other)
    return set
}

```

Returns a set containing all distinct elements from both collections. The returned set preserves the element iteration order of the original array. Those elements of the [other] collection that are unique are iterated in the end in the order of the [other] collection. To get a set containing all elements that are contained in both collections use [intersect].

```

public infix fun DoubleArray.union(other: Iterable<Double>): Set<Double> {
    val set =
this.toMutableSet()
    set.addAll(other)
    return set
}

```

Returns a set containing all distinct elements from both collections. The returned set preserves the element iteration order of the original array. Those elements of the [other] collection that are unique are iterated in the end in the order of the [other] collection. To get a set containing all elements that are contained in both collections use [intersect].

```

public infix fun BooleanArray.union(other: Iterable<Boolean>): Set<Boolean> {
    val set = this.toMutableSet()
    set.addAll(other)
    return set
}

```

Returns a set containing all distinct elements from both collections. The returned set preserves the element iteration order of the original array. Those elements of the [other] collection that are unique are iterated in the end in the order of the [other] collection. To get a set containing all elements that are contained in both collections use [intersect].

```

public infix fun CharArray.union(other: Iterable<Char>): Set<Char> {
    val set = this.toMutableSet()
    set.addAll(other)
    return set
}

```

Returns `true` if all elements match the given [predicate].

```

@sample
samples.collections.Collections.Aggregates.all

```

```

public inline fun <T> Array<out T>.all(predicate: (T) ->
Boolean): Boolean {
    for (element in this) if (!predicate(element)) return false
    return true
}

```

Returns `true` if all elements match the given [predicate].

```

@sample
samples.collections.Collections.Aggregates.all

```

```

public inline fun ByteArray.all(predicate: (Byte) -> Boolean):
Boolean {
    for (element in this) if (!predicate(element)) return false
    return true
}

```

Returns `true` if all elements match the given [predicate].

```

@sample
samples.collections.Collections.Aggregates.all

```

```

public inline fun ShortArray.all(predicate: (Short) -> Boolean): Boolean {
    for (element in this) if
(!predicate(element)) return false
    return true
}

```

Returns `true` if all elements match the given [predicate].

```

@sample
samples.collections.Collections.Aggregates.all

```

```

public inline fun IntArray.all(predicate: (Int) -> Boolean): Boolean {
    for (element in this) if (!predicate(element)) return false
    return true
}

```

Returns `true` if all elements match the given [predicate].

```

@sample
samples.collections.Collections.Aggregates.all

```

```

public inline fun LongArray.all(predicate: (Long) -> Boolean):
Boolean {
    for (element in this) if (!predicate(element)) return false
    return true
}

```

Returns `true` if all elements match the given [predicate].

```

@sample
samples.collections.Collections.Aggregates.all

```

```

public inline fun FloatArray.all(predicate: (Float) -> Boolean): Boolean {
    for (element in this) if
(!predicate(element)) return false
    return true
}

```

Returns `true` if all elements match the given [predicate].

```

@sample
samples.collections.Collections.Aggregates.all

```

```

DoubleArray.all(predicate: (Double) -> Boolean): Boolean {\n  for (element in this) if (!predicate(element)) return
false\n  return true\n}\n\n/**\n * Returns `true` if all elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.all\n */\npublic inline fun BooleanArray.all(predicate: (Boolean) ->
Boolean): Boolean {\n  for (element in this) if (!predicate(element)) return false\n  return true\n}\n\n/**\n *
Returns `true` if all elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.all\n */\npublic inline fun CharArray.all(predicate: (Char) -> Boolean):
Boolean {\n  for (element in this) if (!predicate(element)) return false\n  return true\n}\n\n/**\n * Returns `true` if
array has at least one element.\n * \n * @sample samples.collections.Collections.Aggregates.any\n */\npublic fun
<T> Array<out T>.any(): Boolean {\n  return !isEmpty()\n}\n\n/**\n * Returns `true` if array has at least one
element.\n * \n * @sample samples.collections.Collections.Aggregates.any\n */\npublic fun ByteArray.any():
Boolean {\n  return !isEmpty()\n}\n\n/**\n * Returns `true` if array has at least one element.\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic fun ShortArray.any(): Boolean {\n  return
!isEmpty()\n}\n\n/**\n * Returns `true` if array has at least one element.\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic fun IntArray.any(): Boolean {\n  return
!isEmpty()\n}\n\n/**\n * Returns `true` if array has at least one element.\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic fun LongArray.any(): Boolean {\n  return
!isEmpty()\n}\n\n/**\n * Returns `true` if array has at least one element.\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic fun FloatArray.any(): Boolean {\n  return
!isEmpty()\n}\n\n/**\n * Returns `true` if array has at least one element.\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic fun DoubleArray.any(): Boolean {\n  return
!isEmpty()\n}\n\n/**\n * Returns `true` if array has at least one element.\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic fun BooleanArray.any(): Boolean {\n  return
!isEmpty()\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic inline fun <T> Array<out
T>.any(predicate: (T) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return true\n  return
false\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic inline fun ByteArray.any(predicate:
(Byte) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return true\n  return
false\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic inline fun ShortArray.any(predicate:
(Short) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return true\n  return
false\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic inline fun IntArray.any(predicate: (Int) -
> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return true\n  return false\n}\n\n/**\n *
Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic inline fun LongArray.any(predicate:
(Long) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return true\n  return
false\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic inline fun FloatArray.any(predicate:
(Float) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return true\n  return
false\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic inline fun DoubleArray.any(predicate:
(Double) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return true\n  return
false\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.any\n */\npublic inline fun BooleanArray.any(predicate:
(Boolean) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return true\n  return

```

```

false\n}\n\n/**\n * Returns `true` if at least one element matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.anyWithPredicate\n */\npublic inline fun CharArray.any(predicate:
(Char) -> Boolean): Boolean {\n    for (element in this) if (predicate(element)) return true\n    return
false\n}\n\n/**\n * Returns the number of elements in this array.\n * \n */\n@kotlin.internal.InlineOnly\npublic inline
fun <T> Array<out T>.count(): Int {\n    return size\n}\n\n/**\n * Returns the number of elements in this array.\n * \n */\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.count(): Int {\n    return size\n}\n\n/**\n * Returns the
number of elements in this array.\n * \n */\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.count(): Int {\n
return size\n}\n\n/**\n * Returns the number of elements in this array.\n * \n */\n@kotlin.internal.InlineOnly\npublic
inline fun IntArray.count(): Int {\n    return size\n}\n\n/**\n * Returns the number of elements in this array.\n * \n */\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.count(): Int {\n    return size\n}\n\n/**\n * Returns the
number of elements in this array.\n * \n */\n@kotlin.internal.InlineOnly\npublic inline fun FloatArray.count(): Int {\n
return size\n}\n\n/**\n * Returns the number of elements in this array.\n * \n */\n@kotlin.internal.InlineOnly\npublic
inline fun DoubleArray.count(): Int {\n    return size\n}\n\n/**\n * Returns the number of elements in this array.\n * \n */\n@kotlin.internal.InlineOnly\npublic inline fun BooleanArray.count(): Int {\n    return size\n}\n\n/**\n * Returns
the number of elements in this array.\n * \n */\n@kotlin.internal.InlineOnly\npublic inline fun CharArray.count(): Int {\n
return size\n}\n\n/**\n * Returns the number of elements matching the given [predicate].\n * \n */\npublic inline fun
<T> Array<out T>.count(predicate: (T) -> Boolean): Int {\n    var count = 0\n    for (element in this) if
(predicate(element)) ++count\n    return count\n}\n\n/**\n * Returns the number of elements matching the given
[predicate].\n * \n */\npublic inline fun ByteArray.count(predicate: (Byte) -> Boolean): Int {\n    var count = 0\n
for (element in this) if (predicate(element)) ++count\n    return count\n}\n\n/**\n * Returns the number of elements
matching the given [predicate].\n * \n */\npublic inline fun ShortArray.count(predicate: (Short) -> Boolean): Int {\n
var count = 0\n    for (element in this) if (predicate(element)) ++count\n    return count\n}\n\n/**\n * Returns the
number of elements matching the given [predicate].\n * \n */\npublic inline fun IntArray.count(predicate: (Int) ->
Boolean): Int {\n    var count = 0\n    for (element in this) if (predicate(element)) ++count\n    return
count\n}\n\n/**\n * Returns the number of elements matching the given [predicate].\n * \n */\npublic inline fun
LongArray.count(predicate: (Long) -> Boolean): Int {\n    var count = 0\n    for (element in this) if
(predicate(element)) ++count\n    return count\n}\n\n/**\n * Returns the number of elements matching the given
[predicate].\n * \n */\npublic inline fun FloatArray.count(predicate: (Float) -> Boolean): Int {\n    var count = 0\n
for (element in this) if (predicate(element)) ++count\n    return count\n}\n\n/**\n * Returns the number of elements
matching the given [predicate].\n * \n */\npublic inline fun DoubleArray.count(predicate: (Double) -> Boolean): Int {\n
var count = 0\n    for (element in this) if (predicate(element)) ++count\n    return count\n}\n\n/**\n * Returns the
number of elements matching the given [predicate].\n * \n */\npublic inline fun BooleanArray.count(predicate: (Boolean)
-> Boolean): Int {\n    var count = 0\n    for (element in this) if (predicate(element)) ++count\n    return
count\n}\n\n/**\n * Returns the number of elements matching the given [predicate].\n * \n */\npublic inline fun
CharArray.count(predicate: (Char) -> Boolean): Int {\n    var count = 0\n    for (element in this) if
(predicate(element)) ++count\n    return count\n}\n\n/**\n * Accumulates value starting with [initial] value and
applying [operation] from left to right to current accumulator value and each element.\n * \n */\npublic inline fun <T, R>
Array<out T>.fold(initial: R, operation: (acc: R, T) -> R): R {\n    var accumulator = initial\n    for (element in this)
accumulator = operation(accumulator, element)\n    return accumulator\n}\n\n/**\n * Accumulates value starting
with [initial] value and applying [operation] from left to right to current accumulator value and each element.\n * \n */\npublic inline fun <R> ByteArray.fold(initial: R, operation: (acc: R, Byte) -> R): R {\n    var accumulator =
initial\n    for (element in this) accumulator = operation(accumulator, element)\n    return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left to right to current accumulator
value and each element.\n * \n */\npublic inline fun <R> ShortArray.fold(initial: R, operation: (acc: R, Short) -> R): R
{\n    var accumulator = initial\n    for (element in this) accumulator = operation(accumulator, element)\n    return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left to right
to current accumulator value and each element.\n * \n */\npublic inline fun <R> IntArray.fold(initial: R, operation: (acc:
R, Int) -> R): R {\n    var accumulator = initial\n    for (element in this) accumulator = operation(accumulator,

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element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying
[operation] from left to right to current accumulator value and each element.\n */\npublic inline fun <R>
LongArray.fold(initial: R, operation: (acc: R, Long) -> R): R {\n  var accumulator = initial\n  for (element in this)
accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting
with [initial] value and applying [operation] from left to right to current accumulator value and each element.\n
*/\npublic inline fun <R> FloatArray.fold(initial: R, operation: (acc: R, Float) -> R): R {\n  var accumulator =
initial\n  for (element in this) accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with [initial] value and applying [operation] from left to right to current accumulator
value and each element.\n */\npublic inline fun <R> DoubleArray.fold(initial: R, operation: (acc: R, Double) -> R):
R {\n  var accumulator = initial\n  for (element in this) accumulator = operation(accumulator, element)\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left to right
to current accumulator value and each element.\n */\npublic inline fun <R> BooleanArray.fold(initial: R, operation:
(acc: R, Boolean) -> R): R {\n  var accumulator = initial\n  for (element in this) accumulator =
operation(accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial]
value and applying [operation] from left to right to current accumulator value and each element.\n */\npublic inline
fun <R> CharArray.fold(initial: R, operation: (acc: R, Char) -> R): R {\n  var accumulator = initial\n  for (element
in this) accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value
starting with [initial] value and applying [operation] from left to right\n * to current accumulator value and each
element with its index in the original array.\n * @param [operation] function that takes the index of an element,
current accumulator value\n * and the element itself, and calculates the next accumulator value.\n */\npublic inline
fun <T, R> Array<out T>.foldIndexed(initial: R, operation: (index: Int, acc: R, T) -> R): R {\n  var index = 0\n
var accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator, element)\n
return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left
to right\n * to current accumulator value and each element with its index in the original array.\n * @param
[operation] function that takes the index of an element, current accumulator value\n * and the element itself, and
calculates the next accumulator value.\n */\npublic inline fun <R> ByteArray.foldIndexed(initial: R, operation:
(index: Int, acc: R, Byte) -> R): R {\n  var index = 0\n  var accumulator = initial\n  for (element in this)
accumulator = operation(index++, accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value
starting with [initial] value and applying [operation] from left to right\n * to current accumulator value and each
element with its index in the original array.\n * @param [operation] function that takes the index of an element,
current accumulator value\n * and the element itself, and calculates the next accumulator value.\n */\npublic inline
fun <R> ShortArray.foldIndexed(initial: R, operation: (index: Int, acc: R, Short) -> R): R {\n  var index = 0\n
var accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator, element)\n
return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left
to right\n * to current accumulator value and each element with its index in the original array.\n * @param
[operation] function that takes the index of an element, current accumulator value\n * and the element itself, and
calculates the next accumulator value.\n */\npublic inline fun <R> IntArray.foldIndexed(initial: R, operation: (index: Int, acc: R,
Int) -> R): R {\n  var index = 0\n  var accumulator = initial\n  for (element in this) accumulator =
operation(index++, accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting with
[initial] value and applying [operation] from left to right\n * to current accumulator value and each element with its
index in the original array.\n * @param [operation] function that takes the index of an element, current accumulator
value\n * and the element itself, and calculates the next accumulator value.\n */\npublic inline fun <R>
LongArray.foldIndexed(initial: R, operation: (index: Int, acc: R, Long) -> R): R {\n  var index = 0\n  var
accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator, element)\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * @param
[operation] function that takes the index of an element, current accumulator value\n * and the element itself, and
calculates the next accumulator value.\n */\npublic inline fun <R> FloatArray.foldIndexed(initial: R, operation: (index: Int, acc: R,

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Float) -> R): R {\n  var index = 0\n  var accumulator = initial\n  for (element in this) accumulator =
operation(index++, accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting with
[initial] value and applying [operation] from left to right\n * to current accumulator value and each element with its
index in the original array.\n * @param [operation] function that takes the index of an element, current accumulator
value\n * and the element itself, and calculates the next accumulator value.\n */\npublic inline fun <R>
DoubleArray.foldIndexed(initial: R, operation: (index: Int, acc: R, Double) -> R): R {\n  var index = 0\n  var
accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator, element)\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the
next accumulator value.\n */\npublic inline fun <R> BooleanArray.foldIndexed(initial: R, operation: (index: Int, acc:
R, Boolean) -> R): R {\n  var index = 0\n  var accumulator = initial\n  for (element in this) accumulator =
operation(index++, accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates value starting with
[initial] value and applying [operation] from left to right\n * to current accumulator value and each element with its
index in the original array.\n * @param [operation] function that takes the index of an element, current accumulator
value\n * and the element itself, and calculates the next accumulator value.\n */\npublic inline fun <R>
CharArray.foldIndexed(initial: R, operation: (index: Int, acc: R, Char) -> R): R {\n  var index = 0\n  var
accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator, element)\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left
to each element and current accumulator value.\n */\npublic inline fun <T, R> Array<out T>.foldRight(initial: R,
operation: (T, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n
  accumulator = operation(get(index--), accumulator)\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value
starting with [initial] value and applying [operation] from right to left to each element and current accumulator
value.\n */\npublic inline fun <R> ByteArray.foldRight(initial: R, operation: (Byte, acc: R) -> R): R {\n  var index
= lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(get(index--),
accumulator)\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying
[operation] from right to left to each element and current accumulator value.\n */\npublic inline fun <R>
ShortArray.foldRight(initial: R, operation: (Short, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator =
initial\n  while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left
to each element and current accumulator value.\n */\npublic inline fun <R> IntArray.foldRight(initial: R, operation:
(Int, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n
  accumulator = operation(get(index--), accumulator)\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value
starting with [initial] value and applying [operation] from right to left to each element and current accumulator
value.\n */\npublic inline fun <R> LongArray.foldRight(initial: R, operation: (Long, acc: R) -> R): R {\n  var index
= lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(get(index--),
accumulator)\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying
[operation] from right to left to each element and current accumulator value.\n */\npublic inline fun <R>
FloatArray.foldRight(initial: R, operation: (Float, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator =
initial\n  while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left
to each element and current accumulator value.\n */\npublic inline fun <R> DoubleArray.foldRight(initial: R,
operation: (Double, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator = initial\n  while (index >= 0)
{\n    accumulator = operation(get(index--), accumulator)\n  }\n  return accumulator\n}\n\n/**\n * Accumulates
value starting with [initial] value and applying [operation] from right to left to each element and current accumulator
value.\n */\npublic inline fun <R> BooleanArray.foldRight(initial: R, operation: (Boolean, acc: R) -> R): R {\n  var
index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(get(index--),
accumulator)\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying

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[operation] from right to left to each element and current accumulator value.\n */\npublic inline fun <R>
CharArray.foldRight(initial: R, operation: (Char, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator =
initial\n  while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to
left\n * to each element with its index in the original array and current accumulator value.\n * @param [operation]
function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the
next accumulator value.\n */\npublic inline fun <T, R> Array<out T>.foldRightIndexed(initial: R, operation: (index:
Int, T, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left\n * to each element with
its index in the original array and current accumulator value.\n * @param [operation] function that takes the index of
an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun <R> ByteArray.foldRightIndexed(initial: R, operation: (index: Int, Byte, acc: R) -> R): R {\n
var index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index,
get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left\n * to each element with its index in the original array and
current accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n *
and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun <R>
ShortArray.foldRightIndexed(initial: R, operation: (index: Int, Short, acc: R) -> R): R {\n  var index = lastIndex\n
var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index, get(index), accumulator)\n
    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying
[operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n
* @param [operation] function that takes the index of an element, the element itself\n * and current accumulator
value, and calculates the next accumulator value.\n */\npublic inline fun <R> IntArray.foldRightIndexed(initial: R,
operation: (index: Int, Int, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator = initial\n  while (index
>= 0) {\n    accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to
left\n * to each element with its index in the original array and current accumulator value.\n * @param [operation]
function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the
next accumulator value.\n */\npublic inline fun <R> LongArray.foldRightIndexed(initial: R, operation: (index: Int,
Long, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n
accumulator = operation(index, get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left\n * to each element with
its index in the original array and current accumulator value.\n * @param [operation] function that takes the index of
an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun <R> FloatArray.foldRightIndexed(initial: R, operation: (index: Int, Float, acc: R) -> R): R {\n
var index = lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index,
get(index), accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left\n * to each element with its index in the original array and
current accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n *
and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun <R>
DoubleArray.foldRightIndexed(initial: R, operation: (index: Int, Double, acc: R) -> R): R {\n  var index =
lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial]
value and applying [operation] from right to left\n * to each element with its index in the original array and current
accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n * and
current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun <R>
BooleanArray.foldRightIndexed(initial: R, operation: (index: Int, Boolean, acc: R) -> R): R {\n  var index =

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lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n * Accumulates value starting with [initial]
value and applying [operation] from right to left\n * to each element with its index in the original array and current
accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n * and
current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun <R>
CharArray.foldRightIndexed(initial: R, operation: (index: Int, Char, acc: R) -> R): R {\n  var index = lastIndex\n
var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index, get(index), accumulator)\n
--index\n  }\n  return accumulator\n}\n\n * Performs the given [action] on each element.\n */\npublic
inline fun <T> Array<out T>.forEach(action: (T) -> Unit): Unit {\n  for (element in this)
action(element)\n}\n\n * Performs the given [action] on each element.\n */\npublic inline fun
ByteArray.forEach(action: (Byte) -> Unit): Unit {\n  for (element in this) action(element)\n}\n\n * Performs
the given [action] on each element.\n */\npublic inline fun ShortArray.forEach(action: (Short) -> Unit): Unit {\n
for (element in this) action(element)\n}\n\n * Performs the given [action] on each element.\n */\npublic inline
fun IntArray.forEach(action: (Int) -> Unit): Unit {\n  for (element in this) action(element)\n}\n\n * Performs
the given [action] on each element.\n */\npublic inline fun LongArray.forEach(action: (Long) -> Unit): Unit {\n
for (element in this) action(element)\n}\n\n * Performs the given [action] on each element.\n */\npublic inline
fun FloatArray.forEach(action: (Float) -> Unit): Unit {\n  for (element in this) action(element)\n}\n\n *
Performs the given [action] on each element.\n */\npublic inline fun DoubleArray.forEach(action: (Double) ->
Unit): Unit {\n  for (element in this) action(element)\n}\n\n * Performs the given [action] on each element.\n
*/\npublic inline fun BooleanArray.forEach(action: (Boolean) -> Unit): Unit {\n  for (element in this)
action(element)\n}\n\n * Performs the given [action] on each element.\n */\npublic inline fun
CharArray.forEach(action: (Char) -> Unit): Unit {\n  for (element in this) action(element)\n}\n\n * Performs
the given [action] on each element, providing sequential index with the element.\n * @param [action] function that
takes the index of an element and the element itself\n * and performs the desired action on the element.\n */\npublic
inline fun <T> Array<out T>.forEachIndexed(action: (index: Int, T) -> Unit): Unit {\n  var index = 0\n  for (item
in this) action(index++, item)\n}\n\n * Performs the given [action] on each element, providing sequential index
with the element.\n * @param [action] function that takes the index of an element and the element itself\n * and
performs the desired action on the element.\n */\npublic inline fun ByteArray.forEachIndexed(action: (index: Int,
Byte) -> Unit): Unit {\n  var index = 0\n  for (item in this) action(index++, item)\n}\n\n * Performs the given
[action] on each element, providing sequential index with the element.\n * @param [action] function that takes the
index of an element and the element itself\n * and performs the desired action on the element.\n */\npublic inline fun
ShortArray.forEachIndexed(action: (index: Int, Short) -> Unit): Unit {\n  var index = 0\n  for (item in this)
action(index++, item)\n}\n\n * Performs the given [action] on each element, providing sequential index with
the element.\n * @param [action] function that takes the index of an element and the element itself\n * and performs
the desired action on the element.\n */\npublic inline fun IntArray.forEachIndexed(action: (index: Int, Int) -> Unit):
Unit {\n  var index = 0\n  for (item in this) action(index++, item)\n}\n\n * Performs the given [action] on
each element, providing sequential index with the element.\n * @param [action] function that takes the index of an
element and the element itself\n * and performs the desired action on the element.\n */\npublic inline fun
LongArray.forEachIndexed(action: (index: Int, Long) -> Unit): Unit {\n  var index = 0\n  for (item in this)
action(index++, item)\n}\n\n * Performs the given [action] on each element, providing sequential index with
the element.\n * @param [action] function that takes the index of an element and the element itself\n * and performs
the desired action on the element.\n */\npublic inline fun FloatArray.forEachIndexed(action: (index: Int, Float) ->
Unit): Unit {\n  var index = 0\n  for (item in this) action(index++, item)\n}\n\n * Performs the given [action]
on each element, providing sequential index with the element.\n * @param [action] function that takes the index of
an element and the element itself\n * and performs the desired action on the element.\n */\npublic inline fun
DoubleArray.forEachIndexed(action: (index: Int, Double) -> Unit): Unit {\n  var index = 0\n  for (item in this)
action(index++, item)\n}\n\n * Performs the given [action] on each element, providing sequential index with
the element.\n * @param [action] function that takes the index of an element and the element itself\n * and performs

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the desired action on the element.\n */\npublic inline fun BooleanArray.forEachIndexed(action: (index: Int, Boolean) -> Unit): Unit {\n    var index = 0\n    for (item in this) action(index++, item)\n}\n\n/**\n * Performs the given [action] on each element, providing sequential index with the element.\n * @param [action] function that takes the index of an element and the element itself\n * and performs the desired action on the element.\n */\npublic inline fun CharArray.forEachIndexed(action: (index: Int, Char) -> Unit): Unit {\n    var index = 0\n    for (item in this) action(index++, item)\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n * \n * If any of elements is `NaN` returns `NaN`.\n */\n@SinceKotlin("1.1")\npublic fun Array<out Double>.max(): Double? {\n    if (isEmpty()) return null\n    var max = this[0]\n    if (max.isNaN()) return max\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (e.isNaN()) return e\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n * \n * If any of elements is `NaN` returns `NaN`.\n */\n@SinceKotlin("1.1")\npublic fun Array<out Float>.max(): Float? {\n    if (isEmpty()) return null\n    var max = this[0]\n    if (max.isNaN()) return max\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (e.isNaN()) return e\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n */\npublic fun <T : Comparable<T>> Array<out T>.max(): T? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n */\npublic fun ByteArray.max(): Byte? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n */\npublic fun ShortArray.max(): Short? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n */\npublic fun IntArray.max(): Int? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n */\npublic fun LongArray.max(): Long? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n * \n * If any of elements is `NaN` returns `NaN`.\n */\npublic fun FloatArray.max(): Float? {\n    if (isEmpty()) return null\n    var max = this[0]\n    if (max.isNaN()) return max\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (e.isNaN()) return e\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n * \n * If any of elements is `NaN` returns `NaN`.\n */\npublic fun DoubleArray.max(): Double? {\n    if (isEmpty()) return null\n    var max = this[0]\n    if (max.isNaN()) return max\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (e.isNaN()) return e\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n */\npublic fun CharArray.max(): Char? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the first element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample\n samples.collections.Collections.Aggregates.maxBy\n */\npublic inline fun <T, R : Comparable<R>> Array<out T>.maxBy(selector: (T) -> R): T? {\n    if (isEmpty()) return null\n    var maxElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return maxElem\n    var maxValue = selector(maxElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (maxValue < v) {\n            maxElem = e\n            maxValue = v\n        }\n    }\n    return maxElem\n}\n\n/**\n * Returns the first element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample\n samples.collections.Collections.Aggregates.maxBy\n */\npublic inline fun <R : Comparable<R>> ByteArray.maxBy(selector: (Byte) -> R): Byte? {\n    if (isEmpty()) return null\n    var maxElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return maxElem\n    var maxValue = selector(maxElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (maxValue < v) {\n            maxElem = e\n            maxValue = v\n        }\n    }\n    return maxElem\n}\n\n/**\n * Returns the first element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample\n samples.collections.Collections.Aggregates.maxBy\n */\npublic inline fun <R : Comparable<R>>

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ShortArray.maxBy(selector: (Short) -> R): Short? {\n  if (isEmpty()) return null\n  var maxElem = this[0]\n  val\n  lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxValue = selector(maxElem)\n  for (i\n  in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxValue < v) {\n      maxElem = e\n      maxValue = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first element yielding the largest value\n of the given function or `null` if there are no elements.\n *\n * @sample\n samples.collections.Collections.Aggregates.maxBy\n */\npublic inline fun <R : Comparable<R>>

IntArray.maxBy(selector: (Int) -> R): Int? {\n  if (isEmpty()) return null\n  var maxElem = this[0]\n  val\n  lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxValue = selector(maxElem)\n  for (i\n  in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxValue < v) {\n      maxElem = e\n      maxValue = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first element yielding the largest value\n of the given function or `null` if there are no elements.\n *\n * @sample\n samples.collections.Collections.Aggregates.maxBy\n */\npublic inline fun <R : Comparable<R>>

LongArray.maxBy(selector: (Long) -> R): Long? {\n  if (isEmpty()) return null\n  var maxElem = this[0]\n  val\n  lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxValue = selector(maxElem)\n  for (i\n  in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxValue < v) {\n      maxElem = e\n      maxValue = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first element yielding the largest value\n of the given function or `null` if there are no elements.\n *\n * @sample\n samples.collections.Collections.Aggregates.maxBy\n */\npublic inline fun <R : Comparable<R>>

FloatArray.maxBy(selector: (Float) -> R): Float? {\n  if (isEmpty()) return null\n  var maxElem = this[0]\n  val\n  lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxValue = selector(maxElem)\n  for (i\n  in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxValue < v) {\n      maxElem = e\n      maxValue = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first element yielding the largest value\n of the given function or `null` if there are no elements.\n *\n * @sample\n samples.collections.Collections.Aggregates.maxBy\n */\npublic inline fun <R : Comparable<R>>

DoubleArray.maxBy(selector: (Double) -> R): Double? {\n  if (isEmpty()) return null\n  var maxElem = this[0]\n  val\n  lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxValue = selector(maxElem)\n  for\n  (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxValue < v) {\n      maxElem = e\n      maxValue = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first element yielding the largest\n value of the given function or `null` if there are no elements.\n *\n * @sample\n samples.collections.Collections.Aggregates.maxBy\n */\npublic inline fun <R : Comparable<R>>

BooleanArray.maxBy(selector: (Boolean) -> R): Boolean? {\n  if (isEmpty()) return null\n  var maxElem =\n  this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxValue =\n  selector(maxElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxValue < v)\n    {\n      maxElem = e\n      maxValue = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first\n element yielding the largest value of the given function or `null` if there are no elements.\n *\n * @sample\n samples.collections.Collections.Aggregates.maxBy\n */\npublic inline fun <R : Comparable<R>>

CharArray.maxBy(selector: (Char) -> R): Char? {\n  if (isEmpty()) return null\n  var maxElem = this[0]\n  val\n  lastIndex = this.lastIndex\n  if (lastIndex == 0) return maxElem\n  var maxValue = selector(maxElem)\n  for (i\n  in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (maxValue < v) {\n      maxElem = e\n      maxValue = v\n    }\n  }\n  return maxElem\n}\n\n/**\n * Returns the first element having the largest value\n according to the provided [comparator] or `null` if there are no elements.\n *\n */\npublic fun <T> Array<out\n T>.maxWith(comparator: Comparator<in T>): T? {\n  if (isEmpty()) return null\n  var max = this[0]\n  for (i in\n  1..lastIndex) {\n    val e = this[i]\n    if (comparator.compare(max, e) < 0) max = e\n  }\n  return\n  max\n}\n\n/**\n * Returns the first element having the largest value according to the provided [comparator] or `null`\n if there are no elements.\n *\n */\npublic fun ByteArray.maxWith(comparator: Comparator<in Byte>): Byte? {\n  if\n  (isEmpty()) return null\n  var max = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if\n  (comparator.compare(max, e) < 0) max = e\n  }\n  return max\n}\n\n/**\n * Returns the first element having the\n largest value according to the provided [comparator] or `null` if there are no elements.\n *\n */\npublic fun

```

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ShortArray.maxWith(comparator: Comparator<in Short>): Short? {
    if (isEmpty()) return null
    var max = this[0]
    for (i in 1..lastIndex) {
        val e = this[i]
        if (comparator.compare(max, e) < 0) max = e
    }
    return max
}

/** Returns the first element having the largest value according to the provided [comparator] or `null` if there are no elements. */
public fun IntArray.maxWith(comparator: Comparator<in Int>): Int? {
    if (isEmpty()) return null
    var max = this[0]
    for (i in 1..lastIndex) {
        val e = this[i]
        if (comparator.compare(max, e) < 0) max = e
    }
    return max
}

/** Returns the first element having the largest value according to the provided [comparator] or `null` if there are no elements. */
public fun LongArray.maxWith(comparator: Comparator<in Long>): Long? {
    if (isEmpty()) return null
    var max = this[0]
    for (i in 1..lastIndex) {
        val e = this[i]
        if (comparator.compare(max, e) < 0) max = e
    }
    return max
}

/** Returns the first element having the largest value according to the provided [comparator] or `null` if there are no elements. */
public fun FloatArray.maxWith(comparator: Comparator<in Float>): Float? {
    if (isEmpty()) return null
    var max = this[0]
    for (i in 1..lastIndex) {
        val e = this[i]
        if (comparator.compare(max, e) < 0) max = e
    }
    return max
}

/** Returns the first element having the largest value according to the provided [comparator] or `null` if there are no elements. */
public fun DoubleArray.maxWith(comparator: Comparator<in Double>): Double? {
    if (isEmpty()) return null
    var max = this[0]
    for (i in 1..lastIndex) {
        val e = this[i]
        if (comparator.compare(max, e) < 0) max = e
    }
    return max
}

/** Returns the first element having the largest value according to the provided [comparator] or `null` if there are no elements. */
public fun BooleanArray.maxWith(comparator: Comparator<in Boolean>): Boolean? {
    if (isEmpty()) return null
    var max = this[0]
    for (i in 1..lastIndex) {
        val e = this[i]
        if (comparator.compare(max, e) < 0) max = e
    }
    return max
}

/** Returns the first element having the largest value according to the provided [comparator] or `null` if there are no elements. */
public fun CharArray.maxWith(comparator: Comparator<in Char>): Char? {
    if (isEmpty()) return null
    var max = this[0]
    for (i in 1..lastIndex) {
        val e = this[i]
        if (comparator.compare(max, e) < 0) max = e
    }
    return max
}

/** Returns the smallest element or `null` if there are no elements. */
/* If any of elements is `NaN` returns `NaN`. */
@SinceKotlin("1.1")
public fun Array<out Double>.min(): Double? {
    if (isEmpty()) return null
    var min = this[0]
    if (min.isNaN()) return min
    for (i in 1..lastIndex) {
        val e = this[i]
        if (e.isNaN()) return e
        if (min > e) min = e
    }
    return min
}

/** Returns the smallest element or `null` if there are no elements. */
/* If any of elements is `NaN` returns `NaN`. */
@SinceKotlin("1.1")
public fun Array<out Float>.min(): Float? {
    if (isEmpty()) return null
    var min = this[0]
    if (min.isNaN()) return min
    for (i in 1..lastIndex) {
        val e = this[i]
        if (e.isNaN()) return e
        if (min > e) min = e
    }
    return min
}

/** Returns the smallest element or `null` if there are no elements. */
public fun <T : Comparable<T>> Array<out T>.min(): T? {
    if (isEmpty()) return null
    var min = this[0]
    for (i in 1..lastIndex) {
        val e = this[i]
        if (min > e) min = e
    }
    return min
}

/** Returns the smallest element or `null` if there are no elements. */
public fun ByteArray.min(): Byte? {
    if (isEmpty()) return null
    var min = this[0]
    for (i in 1..lastIndex) {
        val e = this[i]
        if (min > e) min = e
    }
    return min
}

/** Returns the smallest element or `null` if there are no elements. */
public fun ShortArray.min(): Short? {
    if (isEmpty()) return null
    var min = this[0]
    for (i in 1..lastIndex) {
        val e = this[i]
        if (min > e) min = e
    }
    return min
}

/** Returns the smallest element or `null` if there are no elements. */
public fun IntArray.min(): Int? {
    if (isEmpty()) return null
    var min = this[0]
    for (i in 1..lastIndex) {
        val e = this[i]
        if (min > e) min = e
    }
    return min
}

/** Returns the smallest element or `null` if there are no elements. */
public fun LongArray.min(): Long? {
    if (isEmpty()) return null
    var min = this[0]
    for (i in 1..lastIndex) {
        val e = this[i]
        if (min > e) min = e
    }
    return min
}

/** Returns the smallest element or `null` if there are no elements. */
/* If any of elements is `NaN` returns `NaN`. */
public fun FloatArray.min(): Float? {
    if (isEmpty()) return null
    var min = this[0]
    if (min.isNaN()) return min
    for (i in 1..lastIndex) {
        val e = this[i]
        if (e.isNaN()) return e
        if (min > e) min = e
    }
    return min
}

/** Returns the smallest element or `null` if there are no elements. */
/* If any of elements is `NaN` returns `NaN`. */
public fun DoubleArray.min(): Double? {
    if (isEmpty()) return null
    var min = this[0]
    if (min.isNaN()) return

```

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min\n for (i in 1..lastIndex) {\n     val e = this[i]\n     if (e.isNaN()) return e\n     if (min > e) min = e\n } \n
return min\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n */\npublic fun
CharArray.min(): Char? {\n    if (isEmpty()) return null\n    var min = this[0]\n    for (i in 1..lastIndex) {\n        val e
= this[i]\n        if (min > e) min = e\n    }\n    return min\n}\n\n/**\n * Returns the first element yielding the smallest
value of the given function or `null` if there are no elements.\n */\n * @sample
samples.collections.Collections.Aggregates.minBy\n */\npublic inline fun <T, R : Comparable<R>> Array<out
T>.minBy(selector: (T) -> R): T? {\n    if (isEmpty()) return null\n    var minElem = this[0]\n    val lastIndex =
this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue = selector(minElem)\n    for (i in
1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v) {\n            minElem = e\n
minValue = v\n        }\n    }\n    return minElem\n}\n\n/**\n * Returns the first element yielding the smallest value
of the given function or `null` if there are no elements.\n */\n * @sample
samples.collections.Collections.Aggregates.minBy\n */\npublic inline fun <R : Comparable<R>>
ByteArray.minBy(selector: (Byte) -> R): Byte? {\n    if (isEmpty()) return null\n    var minElem = this[0]\n    val
lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue = selector(minElem)\n    for (i in
1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v) {\n            minElem = e\n
minValue = v\n        }\n    }\n    return minElem\n}\n\n/**\n * Returns the first element yielding the smallest value
of the given function or `null` if there are no elements.\n */\n * @sample
samples.collections.Collections.Aggregates.minBy\n */\npublic inline fun <R : Comparable<R>>
ShortArray.minBy(selector: (Short) -> R): Short? {\n    if (isEmpty()) return null\n    var minElem = this[0]\n    val
lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue = selector(minElem)\n    for (i in
1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v) {\n            minElem = e\n
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samples.collections.Collections.Aggregates.minBy\n */\npublic inline fun <R : Comparable<R>>
IntArray.minBy(selector: (Int) -> R): Int? {\n    if (isEmpty()) return null\n    var minElem = this[0]\n    val lastIndex
= this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue = selector(minElem)\n    for (i in
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lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue = selector(minElem)\n    for (i in
1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v) {\n            minElem = e\n
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FloatArray.minBy(selector: (Float) -> R): Float? {\n    if (isEmpty()) return null\n    var minElem = this[0]\n    val
lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue = selector(minElem)\n    for (i in
1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v) {\n            minElem = e\n
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DoubleArray.minBy(selector: (Double) -> R): Double? {\n    if (isEmpty()) return null\n    var minElem = this[0]\n    val
lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue = selector(minElem)\n    for (i
in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v) {\n            minElem = e\n
minValue = v\n        }\n    }\n    return minElem\n}\n\n/**\n * Returns the first element yielding the smallest value
of the given function or `null` if there are no elements.\n */\n * @sample
samples.collections.Collections.Aggregates.minBy\n */\npublic inline fun <R : Comparable<R>>

```

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BooleanArray.minBy(selector: (Boolean) -> R): Boolean? {\n  if (isEmpty()) return null\n  var minElem =
this[0]\n  val lastIndex = this.lastIndex\n  if (lastIndex == 0) return minElem\n  var minValue =
selector(minElem)\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (minValue > v)
{\n      minElem = e\n      minValue = v\n    }\n  }\n  return minElem}\n\n/**\n * Returns the first
element yielding the smallest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.minBy\n */\n\npublic inline fun <R : Comparable<R>>
CharArray.minBy(selector: (Char) -> R): Char? {\n  if (isEmpty()) return null\n  var minElem = this[0]\n  val
lastIndex = this.lastIndex\n  if (lastIndex == 0) return minElem\n  var minValue = selector(minElem)\n  for (i in
1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (minValue > v) {\n      minElem = e\n
minValue = v\n    }\n  }\n  return minElem}\n\n/**\n * Returns the first element having the smallest value
according to the provided [comparator] or `null` if there are no elements.\n */\n\npublic fun <T> Array<out
T>.minWith(comparator: Comparator<in T>): T? {\n  if (isEmpty()) return null\n  var min = this[0]\n  for (i in
1..lastIndex) {\n    val e = this[i]\n    if (comparator.compare(min, e) > 0) min = e\n  }\n  return
min}\n\n/**\n * Returns the first element having the smallest value according to the provided [comparator] or
`null` if there are no elements.\n */\n\npublic fun ByteArray.minWith(comparator: Comparator<in Byte>): Byte? {\n
if (isEmpty()) return null\n  var min = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if
(comparator.compare(min, e) > 0) min = e\n  }\n  return min}\n\n/**\n * Returns the first element having the
smallest value according to the provided [comparator] or `null` if there are no elements.\n */\n\npublic fun
ShortArray.minWith(comparator: Comparator<in Short>): Short? {\n  if (isEmpty()) return null\n  var min =
this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if (comparator.compare(min, e) > 0) min = e\n  }\n
return min}\n\n/**\n * Returns the first element having the smallest value according to the provided [comparator]
or `null` if there are no elements.\n */\n\npublic fun IntArray.minWith(comparator: Comparator<in Int>): Int? {\n
if (isEmpty()) return null\n  var min = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if
(comparator.compare(min, e) > 0) min = e\n  }\n  return min}\n\n/**\n * Returns the first element having the
smallest value according to the provided [comparator] or `null` if there are no elements.\n */\n\npublic fun
LongArray.minWith(comparator: Comparator<in Long>): Long? {\n  if (isEmpty()) return null\n  var min =
this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if (comparator.compare(min, e) > 0) min = e\n  }\n
return min}\n\n/**\n * Returns the first element having the smallest value according to the provided [comparator]
or `null` if there are no elements.\n */\n\npublic fun FloatArray.minWith(comparator: Comparator<in Float>): Float?
{\n  if (isEmpty()) return null\n  var min = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if
(comparator.compare(min, e) > 0) min = e\n  }\n  return min}\n\n/**\n * Returns the first element having the
smallest value according to the provided [comparator] or `null` if there are no elements.\n */\n\npublic fun
DoubleArray.minWith(comparator: Comparator<in Double>): Double? {\n  if (isEmpty()) return null\n  var min =
this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if (comparator.compare(min, e) > 0) min = e\n  }\n
return min}\n\n/**\n * Returns the first element having the smallest value according to the provided [comparator]
or `null` if there are no elements.\n */\n\npublic fun BooleanArray.minWith(comparator: Comparator<in Boolean>):
Boolean? {\n  if (isEmpty()) return null\n  var min = this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n
if (comparator.compare(min, e) > 0) min = e\n  }\n  return min}\n\n/**\n * Returns the first element having the
smallest value according to the provided [comparator] or `null` if there are no elements.\n */\n\npublic fun
CharArray.minWith(comparator: Comparator<in Char>): Char? {\n  if (isEmpty()) return null\n  var min =
this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if (comparator.compare(min, e) > 0) min = e\n  }\n
return min}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\n\npublic fun <T> Array<out T>.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\n\npublic fun ByteArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\n\npublic fun ShortArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample

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samples.collections.Collections.Aggregates.none\n *\npublic fun IntArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n *\npublic fun LongArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n *\npublic fun FloatArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n *\npublic fun DoubleArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n *\npublic fun BooleanArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.none\n *\npublic fun CharArray.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n *\npublic inline fun <T> Array<out
T>.none(predicate: (T) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n *\npublic inline fun ByteArray.none(predicate:
(Byte) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n *\npublic inline fun ShortArray.none(predicate:
(Short) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n *\npublic inline fun IntArray.none(predicate: (Int)
-> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return true\n}\n\n/**\n *
Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n *\npublic inline fun LongArray.none(predicate:
(Long) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n *\npublic inline fun FloatArray.none(predicate:
(Float) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n *\npublic inline fun DoubleArray.none(predicate:
(Double) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n *\npublic inline fun
BooleanArray.none(predicate: (Boolean) -> Boolean): Boolean {\n  for (element in this) if (predicate(element))
return false\n  return true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n *\npublic inline fun CharArray.none(predicate:
(Char) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return false\n  return
true\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right to
current accumulator value and each element.\n *\npublic inline fun <S, T : S> Array<out T>.reduce(operation:
(acc: S, T) -> S): S {\n  if (isEmpty())\n    throw UnsupportedOperationException("Empty array can't be
reduced.")\n  var accumulator: S = this[0]\n  for (index in 1..lastIndex) {\n    accumulator =
operation(accumulator, this[index])\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the
first element and applying [operation] from left to right to current accumulator value and each element.\n *\npublic
inline fun ByteArray.reduce(operation: (acc: Byte, Byte) -> Byte): Byte {\n  if (isEmpty())\n    throw
UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for (index in
1..lastIndex) {\n    accumulator = operation(accumulator, this[index])\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with the first element and applying [operation] from left to right to current accumulator

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value and each element.\n */\npublic inline fun ShortArray.reduce(operation: (acc: Short, Short) -> Short): Short {\n
  if (isEmpty())\n    throw UnsupportedOperationException("Empty array can't be reduced.")\n  var
  accumulator = this[0]\n  for (index in 1..lastIndex) {\n    accumulator = operation(accumulator, this[index])\n
  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation]
from left to right to current accumulator value and each element.\n */\npublic inline fun IntArray.reduce(operation:
(acc: Int, Int) -> Int): Int {\n  if (isEmpty())\n    throw UnsupportedOperationException("Empty array can't be
reduced.")\n  var accumulator = this[0]\n  for (index in 1..lastIndex) {\n    accumulator =
operation(accumulator, this[index])\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the
first element and applying [operation] from left to right to current accumulator value and each element.\n */\npublic
inline fun LongArray.reduce(operation: (acc: Long, Long) -> Long): Long {\n  if (isEmpty())\n    throw
UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for (index in
1..lastIndex) {\n    accumulator = operation(accumulator, this[index])\n  }\n  return accumulator\n}\n\n/**\n *
Accumulates value starting with the first element and applying [operation] from left to right to current accumulator
value and each element.\n */\npublic inline fun FloatArray.reduce(operation: (acc: Float, Float) -> Float): Float {\n
if (isEmpty())\n  throw UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator
= this[0]\n  for (index in 1..lastIndex) {\n    accumulator = operation(accumulator, this[index])\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
right to current accumulator value and each element.\n */\npublic inline fun DoubleArray.reduce(operation: (acc:
Double, Double) -> Double): Double {\n  if (isEmpty())\n    throw UnsupportedOperationException("Empty
array can't be reduced.")\n  var accumulator = this[0]\n  for (index in 1..lastIndex) {\n    accumulator =
operation(accumulator, this[index])\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the
first element and applying [operation] from left to right to current accumulator value and each element.\n */\npublic
inline fun BooleanArray.reduce(operation: (acc: Boolean, Boolean) -> Boolean): Boolean {\n  if (isEmpty())\n
throw UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for
(index in 1..lastIndex) {\n    accumulator = operation(accumulator, this[index])\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
right to current accumulator value and each element.\n */\npublic inline fun CharArray.reduce(operation: (acc: Char,
Char) -> Char): Char {\n  if (isEmpty())\n    throw UnsupportedOperationException("Empty array can't be
reduced.")\n  var accumulator = this[0]\n  for (index in 1..lastIndex) {\n    accumulator =
operation(accumulator, this[index])\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the
first element and applying [operation] from left to right\n * to current accumulator value and each element with its
index in the original array.\n * @param [operation] function that takes the index of an element, current accumulator
value\n * and the element itself and calculates the next accumulator value.\n */\npublic inline fun <S, T : S>
Array<out T>.reduceIndexed(operation: (index: Int, acc: S, T) -> S): S {\n  if (isEmpty())\n    throw
UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator: S = this[0]\n  for (index
in 1..lastIndex) {\n    accumulator = operation(index, accumulator, this[index])\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself and calculates the
next accumulator value.\n */\npublic inline fun ByteArray.reduceIndexed(operation: (index: Int, acc: Byte, Byte) ->
Byte): Byte {\n  if (isEmpty())\n    throw UnsupportedOperationException("Empty array can't be reduced.")\n
var accumulator = this[0]\n  for (index in 1..lastIndex) {\n    accumulator = operation(index, accumulator,
this[index])\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and
applying [operation] from left to right\n * to current accumulator value and each element with its index in the
original array.\n * @param [operation] function that takes the index of an element, current accumulator value\n *
and the element itself and calculates the next accumulator value.\n */\npublic inline fun
ShortArray.reduceIndexed(operation: (index: Int, acc: Short, Short) -> Short): Short {\n  if (isEmpty())\n
throw UnsupportedOperationException("Empty array can't be reduced.")\n  var accumulator = this[0]\n  for (index in

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1..lastIndex) {\n    accumulator = operation(index, accumulator, this[index])\n } \n return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself and calculates the
next accumulator value.\n */\npublic inline fun IntArray.reduceIndexed(operation: (index: Int, acc: Int, Int) -> Int):
Int {\n    if (isEmpty())\n        throw UnsupportedOperationException("Empty array can't be reduced.")\n    var
accumulator = this[0]\n    for (index in 1..lastIndex) {\n        accumulator = operation(index, accumulator,
this[index])\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the first element and
applying [operation] from left to right\n * to current accumulator value and each element with its index in the
original array.\n * @param [operation] function that takes the index of an element, current accumulator value\n *
and the element itself and calculates the next accumulator value.\n */\npublic inline fun
LongArray.reduceIndexed(operation: (index: Int, acc: Long, Long) -> Long): Long {\n    if (isEmpty())\n        throw
UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for (index in
1..lastIndex) {\n        accumulator = operation(index, accumulator, this[index])\n    }\n    return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself and calculates the
next accumulator value.\n */\npublic inline fun
FloatArray.reduceIndexed(operation: (index: Int, acc: Float, Float) -
> Float): Float {\n    if (isEmpty())\n        throw UnsupportedOperationException("Empty array can't be
reduced.")\n    var accumulator = this[0]\n    for (index in 1..lastIndex) {\n        accumulator = operation(index,
accumulator, this[index])\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting with the first
element and applying [operation] from left to right\n * to current accumulator value and each element with its index
in the original array.\n * @param [operation] function that takes the index of an element, current accumulator
value\n * and the element itself and calculates the next accumulator value.\n */\npublic inline fun
DoubleArray.reduceIndexed(operation: (index: Int, acc: Double, Double) -> Double): Double {\n    if (isEmpty())\n
throw UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for
(index in 1..lastIndex) {\n        accumulator = operation(index, accumulator, this[index])\n    }\n    return
accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself and calculates the
next accumulator value.\n */\npublic inline fun
BooleanArray.reduceIndexed(operation: (index: Int, acc: Boolean,
Boolean) -> Boolean): Boolean {\n    if (isEmpty())\n        throw UnsupportedOperationException("Empty array
can't be reduced.")\n    var accumulator = this[0]\n    for (index in 1..lastIndex) {\n        accumulator =
operation(index, accumulator, this[index])\n    }\n    return accumulator\n}\n\n/**\n * Accumulates value starting
with the first element and applying [operation] from left to right\n * to current accumulator value and each element
with its index in the original array.\n * @param [operation] function that takes the index of an element, current
accumulator value\n * and the element itself and calculates the next accumulator value.\n */\npublic inline fun
CharArray.reduceIndexed(operation: (index: Int, acc: Char, Char) -> Char): Char {\n    if (isEmpty())\n        throw
UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for (index in
1..lastIndex) {\n        accumulator = operation(index, accumulator, this[index])\n    }\n    return
accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left
to each element and current accumulator value.\n */\npublic inline fun <S, T : S> Array<out
T>.reduceRight(operation: (T, acc: S) -> S): S {\n    var index = lastIndex\n    if (index < 0) throw
UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator: S = get(index--)\n    while
(index >= 0) {\n        accumulator = operation(get(index--), accumulator)\n    }\n    return accumulator\n}\n\n/**\n *
Accumulates value starting with last element and applying [operation] from right to left to each element and current
accumulator value.\n */\npublic inline fun ByteArray.reduceRight(operation: (Byte, acc: Byte) -> Byte): Byte {\n
var index = lastIndex\n    if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n
}

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var accumulator = get(index--)\n while (index >= 0) {\n accumulator = operation(get(index--), accumulator)\n
}\n return accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from
right to left to each element and current accumulator value.\n */\npublic inline fun
ShortArray.reduceRight(operation: (Short, acc: Short) -> Short): Short {\n var index = lastIndex\n if (index < 0)
throw UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator = get(index--)\n
while (index >= 0) {\n accumulator = operation(get(index--), accumulator)\n }\n return
accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left
to each element and current accumulator value.\n */\npublic inline fun IntArray.reduceRight(operation: (Int, acc:
Int) -> Int): Int {\n var index = lastIndex\n if (index < 0) throw UnsupportedOperationException("Empty array
can't be reduced.")\n var accumulator = get(index--)\n while (index >= 0) {\n accumulator =
operation(get(index--), accumulator)\n }\n return accumulator\n}\n\n/**\n * Accumulates value starting with last
element and applying [operation] from right to left to each element and current accumulator value.\n */\npublic
inline fun LongArray.reduceRight(operation: (Long, acc: Long) -> Long): Long {\n var index = lastIndex\n if
(index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator =
get(index--)\n while (index >= 0) {\n accumulator = operation(get(index--), accumulator)\n }\n return
accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left
to each element and current accumulator value.\n */\npublic inline fun FloatArray.reduceRight(operation: (Float,
acc: Float) -> Float): Float {\n var index = lastIndex\n if (index < 0) throw
UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator = get(index--)\n while
(index >= 0) {\n accumulator = operation(get(index--), accumulator)\n }\n return accumulator\n}\n\n/**\n *
Accumulates value starting with last element and applying [operation] from right to left to each element and current
accumulator value.\n */\npublic inline fun DoubleArray.reduceRight(operation: (Double, acc: Double) -> Double):
Double {\n var index = lastIndex\n if (index < 0) throw UnsupportedOperationException("Empty array can't be
reduced.")\n var accumulator = get(index--)\n while (index >= 0) {\n accumulator = operation(get(index--),
accumulator)\n }\n return accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying
[operation] from right to left to each element and current accumulator value.\n */\npublic inline fun
BooleanArray.reduceRight(operation: (Boolean, acc: Boolean) -> Boolean): Boolean {\n var index = lastIndex\n
if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator =
get(index--)\n while (index >= 0) {\n accumulator = operation(get(index--), accumulator)\n }\n return
accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left
to each element and current accumulator value.\n */\npublic inline fun CharArray.reduceRight(operation: (Char, acc:
Char) -> Char): Char {\n var index = lastIndex\n if (index < 0) throw UnsupportedOperationException("Empty
array can't be reduced.")\n var accumulator = get(index--)\n while (index >= 0) {\n accumulator =
operation(get(index--), accumulator)\n }\n return accumulator\n}\n\n/**\n * Accumulates value starting with last
element and applying [operation] from right to left\n * to each element with its index in the original array and
current accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n *
and current accumulator value.\n */\npublic inline fun <S, T : S>
Array<out T>.reduceRightIndexed(operation: (index: Int, T, acc: S) -> S): S {\n var index = lastIndex\n if (index
< 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator: S = get(index--)\n
while (index >= 0) {\n accumulator = operation(index, get(index), accumulator)\n --index\n }\n return
accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right
to left\n * to each element with its index in the original array and current accumulator value.\n * @param
[operation] function that takes the index of an element, the element itself\n * and current accumulator value, and
calculates the next accumulator value.\n */\npublic inline fun ByteArray.reduceRightIndexed(operation: (index: Int,
Byte, acc: Byte) -> Byte): Byte {\n var index = lastIndex\n if (index < 0) throw
UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator = get(index--)\n while
(index >= 0) {\n accumulator = operation(index, get(index), accumulator)\n --index\n }\n return
accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left\n

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* to each element with its index in the original array and current accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun ShortArray.reduceRightIndexed(operation: (index: Int, Short, acc: Short) -> Short): Short {\n var index = lastIndex\n if (index < 0) throw\n UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator = get(index--)\n while\n (index >= 0) {\n accumulator = operation(index, get(index), accumulator)\n --index\n }\n return\n accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun\n IntArray.reduceRightIndexed(operation: (index: Int, Int, acc: Int) -> Int): Int {\n var index = lastIndex\n if (index < 0) throw UnsupportedOperationException("Empty array can't be\n reduced.")\n var accumulator = get(index--)\n while (index >= 0) {\n accumulator = operation(index,\n get(index), accumulator)\n --index\n }\n return accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun\n LongArray.reduceRightIndexed(operation: (index: Int, Long, acc: Long) -> Long): Long {\n var index =\n lastIndex\n if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n var\n accumulator = get(index--)\n while (index >= 0) {\n accumulator = operation(index, get(index),\n accumulator)\n --index\n }\n return accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun\n FloatArray.reduceRightIndexed(operation: (index: Int, Float, acc: Float) -> Float): Float {\n var index =\n lastIndex\n if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n var\n accumulator = get(index--)\n while (index >= 0) {\n accumulator = operation(index, get(index),\n accumulator)\n --index\n }\n return accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun\n DoubleArray.reduceRightIndexed(operation: (index: Int, Double, acc: Double) -> Double): Double {\n var index =\n lastIndex\n if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n var\n accumulator = get(index--)\n while (index >= 0) {\n accumulator = operation(index, get(index),\n accumulator)\n --index\n }\n return accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun\n BooleanArray.reduceRightIndexed(operation: (index: Int, Boolean, acc: Boolean) -> Boolean): Boolean {\n var\n index = lastIndex\n if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n var\n accumulator = get(index--)\n while (index >= 0) {\n accumulator = operation(index, get(index),\n accumulator)\n --index\n }\n return accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n */\npublic inline fun\n CharArray.reduceRightIndexed(operation: (index: Int, Char, acc: Char) -> Char): Char {\n var index = lastIndex\n if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n var accumulator =\n get(index--)\n while (index >= 0) {\n accumulator = operation(index, get(index), accumulator)\n --index\n }\n return accumulator\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to

each element in the array.

```

public inline fun <T> Array<out T>.sumBy(selector: (T) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun ByteArray.sumBy(selector: (Byte) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun ShortArray.sumBy(selector: (Short) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun IntArray.sumBy(selector: (Int) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun LongArray.sumBy(selector: (Long) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun FloatArray.sumBy(selector: (Float) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun DoubleArray.sumBy(selector: (Double) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun BooleanArray.sumBy(selector: (Boolean) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun CharArray.sumBy(selector: (Char) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun <T> Array<out T>.sumByDouble(selector: (T) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun ByteArray.sumByDouble(selector: (Byte) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun ShortArray.sumByDouble(selector: (Short) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun IntArray.sumByDouble(selector: (Int) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun LongArray.sumByDouble(selector: (Long) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun FloatArray.sumByDouble(selector: (Float) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun DoubleArray.sumByDouble(selector: (Double) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun BooleanArray.sumByDouble(selector: (Boolean) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns the sum of all values produced by [selector] function applied to each element in the array.

```

public inline fun CharArray.sumByDouble(selector: (Char) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}

```

* Returns an original collection containing all the non-`null` elements, throwing an [IllegalArgumentException] if there are

```

any `null` elements.\n */\npublic fun <T : Any> Array<T?.>.requireNoNulls(): Array<T> {\n    for (element in this)\n    {\n        if (element == null) {\n            throw IllegalArgumentException("\null element found in $this.")\n        }\n    }\n    @Suppress("UNCHECKED_CAST")\n    return this as Array<T>}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.\n */\n\npublic inline fun <T> Array<out T>.partition(predicate: (T) -> Boolean): Pair<List<T>, List<T>> {\n    val first = ArrayList<T>()\n    val second = ArrayList<T>()\n    for (element in this) {\n        if (predicate(element)) {\n            first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first, second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.\n */\n\npublic inline fun ByteArray.partition(predicate: (Byte) -> Boolean): Pair<List<Byte>, List<Byte>> {\n    val first = ArrayList<Byte>()\n    val second = ArrayList<Byte>()\n    for (element in this) {\n        if (predicate(element)) {\n            first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first, second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.\n */\n\npublic inline fun ShortArray.partition(predicate: (Short) -> Boolean): Pair<List<Short>, List<Short>> {\n    val first = ArrayList<Short>()\n    val second = ArrayList<Short>()\n    for (element in this) {\n        if (predicate(element)) {\n            first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first, second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.\n */\n\npublic inline fun IntArray.partition(predicate: (Int) -> Boolean): Pair<List<Int>, List<Int>> {\n    val first = ArrayList<Int>()\n    val second = ArrayList<Int>()\n    for (element in this) {\n        if (predicate(element)) {\n            first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first, second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.\n */\n\npublic inline fun LongArray.partition(predicate: (Long) -> Boolean): Pair<List<Long>, List<Long>> {\n    val first = ArrayList<Long>()\n    val second = ArrayList<Long>()\n    for (element in this) {\n        if (predicate(element)) {\n            first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first, second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.\n */\n\npublic inline fun FloatArray.partition(predicate: (Float) -> Boolean): Pair<List<Float>, List<Float>> {\n    val first = ArrayList<Float>()\n    val second = ArrayList<Float>()\n    for (element in this) {\n        if (predicate(element)) {\n            first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first, second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.\n */\n\npublic inline fun DoubleArray.partition(predicate: (Double) -> Boolean): Pair<List<Double>, List<Double>> {\n    val first = ArrayList<Double>()\n    val second = ArrayList<Double>()\n    for (element in this) {\n        if (predicate(element)) {\n            first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first, second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.\n */\n\npublic inline fun BooleanArray.partition(predicate: (Boolean) -> Boolean): Pair<List<Boolean>, List<Boolean>> {\n    val first = ArrayList<Boolean>()\n    val second = ArrayList<Boolean>()\n    for (element in this) {\n        if (predicate(element)) {\n            first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first, second)\n}\n\n/**\n * Splits the original array into pair of lists,\n * where *first* list contains elements for which [predicate] yielded `true`,\n * while *second* list contains elements for which [predicate] yielded `false`.\n */\n\npublic inline fun CharArray.partition(predicate: (Char) -> Boolean): Pair<List<Char>, List<Char>> {\n    val first = ArrayList<Char>()\n    val second = ArrayList<Char>()\n    for (element in this) {\n        if (predicate(element)) {\n            first.add(element)\n        } else {\n            second.add(element)\n        }\n    }\n    return Pair(first,

```

second)\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <T, R> Array<out T>.zip(other: Array<out R>): List<Pair<T, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <R> ByteArray.zip(other: Array<out R>): List<Pair<Byte, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <R> ShortArray.zip(other: Array<out R>): List<Pair<Short, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <R> IntArray.zip(other: Array<out R>): List<Pair<Int, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <R> LongArray.zip(other: Array<out R>): List<Pair<Long, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <R> FloatArray.zip(other: Array<out R>): List<Pair<Float, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <R> DoubleArray.zip(other: Array<out R>): List<Pair<Double, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <R> BooleanArray.zip(other: Array<out R>): List<Pair<Boolean, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <R> CharArray.zip(other: Array<out R>): List<Pair<Char, R>> {\n return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <T, R, V> Array<out T>.zip(other: Array<out R>, transform: (a: T, b: R) -> V): List<V> {\n val size = minOf(size, other.size)\n val list = ArrayList<V>(size)\n for (i in 0 until size) {\n list.add(transform(this[i], other[i]))\n }\n return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <R, V> ByteArray.zip(other: Array<out R>, transform: (a: Byte, b: R) -> V): List<V> {\n val size = minOf(size, other.size)\n val list = ArrayList<V>(size)\n for (i in 0 until size) {\n list.add(transform(this[i], other[i]))\n }\n return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <R, V> ShortArray.zip(other: Array<out R>, transform: (a: Short, b: R) -> V): List<V> {\n val size = minOf(size, other.size)\n val list = ArrayList<V>(size)\n for (i in 0 until size) {\n list.add(transform(this[i], other[i]))\n }\n return list\n}\n

```

}
return list
}

/**
 * Returns a list of values built from the elements of `this` array and the [other] array
 * with the same index
 * using the provided [transform] function applied to each pair of elements.
 * The returned
 * list has length of the shortest collection.
 *
 * @sample
 * samples.collections.Iterables.Operations.zipIterableWithTransform
 */
public inline fun <R, V>
IntArray.zip(other: Array<out R>, transform: (a: Int, b: R) -> V): List<V> {
    val size = minOf(size, other.size)
    val list = ArrayList<V>(size)
    for (i in 0 until size) {
        list.add(transform(this[i], other[i]))
    }
    return list
}

/**
 * Returns a list of values built from the elements of `this` array and the [other] array with the same
 * index
 * using the provided [transform] function applied to each pair of elements.
 * The returned list has length
 * of the shortest collection.
 *
 * @sample
 * samples.collections.Iterables.Operations.zipIterableWithTransform
 */
public inline fun <R, V> LongArray.zip(other: Array<out R>, transform: (a: Long, b: R) -> V): List<V> {
    val size = minOf(size, other.size)
    val list = ArrayList<V>(size)
    for (i in 0 until size) {
        list.add(transform(this[i], other[i]))
    }
    return list
}

/**
 * Returns a list of values built from the elements
 * of `this` array and the [other] array with the same index
 * using the provided [transform] function applied to each
 * pair of elements.
 * The returned list has length of the shortest collection.
 *
 * @sample
 * samples.collections.Iterables.Operations.zipIterableWithTransform
 */
public inline fun <R, V>
FloatArray.zip(other: Array<out R>, transform: (a: Float, b: R) -> V): List<V> {
    val size = minOf(size,
    other.size)
    val list = ArrayList<V>(size)
    for (i in 0 until size) {
        list.add(transform(this[i], other[i]))
    }
    return list
}

/**
 * Returns a list of values built from the elements of `this` array and the [other] array
 * with the same index
 * using the provided [transform] function applied to each pair of elements.
 * The returned
 * list has length of the shortest collection.
 *
 * @sample
 * samples.collections.Iterables.Operations.zipIterableWithTransform
 */
public inline fun <R, V>
DoubleArray.zip(other: Array<out R>, transform: (a: Double, b: R) -> V): List<V> {
    val size = minOf(size,
    other.size)
    val list = ArrayList<V>(size)
    for (i in 0 until size) {
        list.add(transform(this[i], other[i]))
    }
    return list
}

/**
 * Returns a list of values built from the elements of `this` array and the [other] array
 * with the same index
 * using the provided [transform] function applied to each pair of elements.
 * The returned
 * list has length of the shortest collection.
 *
 * @sample
 * samples.collections.Iterables.Operations.zipIterableWithTransform
 */
public inline fun <R, V>
BooleanArray.zip(other: Array<out R>, transform: (a: Boolean, b: R) -> V): List<V> {
    val size = minOf(size,
    other.size)
    val list = ArrayList<V>(size)
    for (i in 0 until size) {
        list.add(transform(this[i], other[i]))
    }
    return list
}

/**
 * Returns a list of values built from the elements of `this` array and the [other] array
 * with the same index
 * using the provided [transform] function applied to each pair of elements.
 * The returned
 * list has length of the shortest collection.
 *
 * @sample
 * samples.collections.Iterables.Operations.zipIterableWithTransform
 */
public inline fun <R, V>
CharArray.zip(other: Array<out R>, transform: (a: Char, b: R) -> V): List<V> {
    val size = minOf(size,
    other.size)
    val list = ArrayList<V>(size)
    for (i in 0 until size) {
        list.add(transform(this[i], other[i]))
    }
    return list
}

/**
 * Returns a list of pairs built from the elements of `this` collection and [other] array with
 * the same index.
 * The returned list has length of the shortest collection.
 *
 * @sample
 * samples.collections.Iterables.Operations.zipIterable
 */
public infix fun <T, R> Array<out T>.zip(other:
    Iterable<R>): List<Pair<T, R>> {
    return zip(other) { t1, t2 -> t1 to t2 }
}

/**
 * Returns a list of pairs built
 * from the elements of `this` collection and [other] array with the same index.
 * The returned list has length of the
 * shortest collection.
 *
 * @sample
 * samples.collections.Iterables.Operations.zipIterable
 */
public infix fun <R>
ByteArray.zip(other: Iterable<R>): List<Pair<Byte, R>> {
    return zip(other) { t1, t2 -> t1 to t2 }
}

/**
 * Returns a list of pairs built from the elements of `this` collection and [other] array with the same index.
 * The
 * returned list has length of the shortest collection.
 *
 * @sample
 * samples.collections.Iterables.Operations.zipIterable
 */
public infix fun <R>
ShortArray.zip(other: Iterable<R>):
    List<Pair<Short, R>> {
    return zip(other) { t1, t2 -> t1 to t2 }
}

/**
 * Returns a list of pairs built from the
 * elements of `this` collection and [other] array with the same index.
 * The returned list has length of the shortest
 * collection.
 *
 * @sample
 * samples.collections.Iterables.Operations.zipIterable
 */
public infix fun <R>

```

```

IntArray.zip(other: Iterable<R>): List<Pair<Int, R>> {\n  return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n *
Returns a list of pairs built from the elements of `this` collection and [other] array with the same index.\n * The
returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <R> LongArray.zip(other: Iterable<R>):
List<Pair<Long, R>> {\n  return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the
elements of `this` collection and [other] array with the same index.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <R>
FloatArray.zip(other: Iterable<R>): List<Pair<Float, R>> {\n  return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n *
Returns a list of pairs built from the elements of `this` collection and [other] array with the same index.\n * The
returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <R> DoubleArray.zip(other:
Iterable<R>): List<Pair<Double, R>> {\n  return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs
built from the elements of `this` collection and [other] array with the same index.\n * The returned list has length of
the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun
<R> BooleanArray.zip(other: Iterable<R>): List<Pair<Boolean, R>> {\n  return zip(other) { t1, t2 -> t1 to t2
}\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` collection and [other] array with the same
index.\n * The returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <R> CharArray.zip(other: Iterable<R>):
List<Pair<Char, R>> {\n  return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of values built from the
elements of `this` array and the [other] collection with the same index\n * using the provided [transform] function
applied to each pair of elements.\n * The returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <T, R, V> Array<out
T>.zip(other: Iterable<R>, transform: (a: T, b: R) -> V): List<V> {\n  val arraySize = size\n  val list =
ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n  var i = 0\n  for (element in other) {\n
if (i >= arraySize) break\n    list.add(transform(this[i++], element))\n  }\n  return list\n}\n\n/**\n * Returns a
list of values built from the elements of `this` array and the [other] collection with the same index\n * using the
provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline
fun <R, V> ByteArray.zip(other: Iterable<R>, transform: (a: Byte, b: R) -> V): List<V> {\n  val arraySize = size\n
val list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n  var i = 0\n  for (element in
other) {\n    if (i >= arraySize) break\n    list.add(transform(this[i++], element))\n  }\n  return list\n}\n\n/**\n *
Returns a list of values built from the elements of `this` array and the [other] collection with the same index\n *
using the provided [transform] function applied to each pair of elements.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic
inline fun <R, V> ShortArray.zip(other: Iterable<R>, transform: (a: Short, b: R) -> V): List<V> {\n  val arraySize =
size\n  val list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n  var i = 0\n  for (element
in other) {\n    if (i >= arraySize) break\n    list.add(transform(this[i++], element))\n  }\n  return
list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] collection with the
same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has
length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <R, V>
IntArray.zip(other: Iterable<R>, transform: (a: Int, b: R) -> V): List<V> {\n  val arraySize = size\n  val list =
ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n  var i = 0\n  for (element in other) {\n
if (i >= arraySize) break\n    list.add(transform(this[i++], element))\n  }\n  return list\n}\n\n/**\n * Returns a
list of values built from the elements of `this` array and the [other] collection with the same index\n * using the
provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline
fun <R, V> LongArray.zip(other: Iterable<R>, transform: (a: Long, b: R) -> V): List<V> {\n  val arraySize =

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size\n    val list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element
in other) {\n        if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return
list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] collection with the
same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has
length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <R, V>
FloatArray.zip(other: Iterable<R>, transform: (a: Float, b: R) -> V): List<V> {\n    val arraySize = size\n    val list =
ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other) {\n
if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return list\n}\n\n/**\n * Returns a
list of values built from the elements of `this` array and the [other] collection with the same index\n * using the
provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline
fun <R, V> DoubleArray.zip(other: Iterable<R>, transform: (a: Double, b: R) -> V): List<V> {\n    val arraySize =
size\n    val list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element
in other) {\n        if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return
list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] collection with the
same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has
length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <R, V>
BooleanArray.zip(other: Iterable<R>, transform: (a: Boolean, b: R) -> V): List<V> {\n    val arraySize = size\n    val
list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other)
{\n        if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return list\n}\n\n/**\n *
Returns a list of values built from the elements of `this` array and the [other] collection with the same index\n *
using the provided [transform] function applied to each pair of elements.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic
inline fun <R, V> CharArray.zip(other: Iterable<R>, transform: (a: Char, b: R) -> V): List<V> {\n    val arraySize =
size\n    val list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element
in other) {\n        if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return
list\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same
index.\n * The returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun ByteArray.zip(other: ByteArray):
List<Pair<Byte, Byte>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from
the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun
ShortArray.zip(other: ShortArray): List<Pair<Short, Short>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n *
Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The
returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun IntArray.zip(other: IntArray):
List<Pair<Int, Int>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from
the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun
LongArray.zip(other: LongArray): List<Pair<Long, Long>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n *
Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The
returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun FloatArray.zip(other: FloatArray):
List<Pair<Float, Float>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built
from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of
the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun

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DoubleArray.zip(other: DoubleArray): List<Pair<Double, Double>> {\n  return zip(other) { t1, t2 -> t1 to t2
}\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same
index.\n * The returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun BooleanArray.zip(other: BooleanArray):
List<Pair<Boolean, Boolean>> {\n  return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built
from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun
CharArray.zip(other: CharArray): List<Pair<Char, Char>> {\n  return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n *
Returns a list of values built from the elements of `this` array and the [other] array with the same index\n * using the
provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest
array.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun
<V> ByteArray.zip(other: ByteArray, transform: (a: Byte, b: Byte) -> V): List<V> {\n  val size = minOf(size,
other.size)\n  val list = ArrayList<V>(size)\n  for (i in 0 until size) {\n    list.add(transform(this[i], other[i]))\n
}\n  return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <V>
ShortArray.zip(other: ShortArray, transform: (a: Short, b: Short) -> V): List<V> {\n  val size = minOf(size,
other.size)\n  val list = ArrayList<V>(size)\n  for (i in 0 until size) {\n    list.add(transform(this[i], other[i]))\n
}\n  return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <V>
IntArray.zip(other: IntArray, transform: (a: Int, b: Int) -> V): List<V> {\n  val size = minOf(size, other.size)\n  val list =
ArrayList<V>(size)\n  for (i in 0 until size) {\n    list.add(transform(this[i], other[i]))\n  }\n  return
list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array with the same
index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has length
of the shortest array.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n
*/\npublic inline fun <V> LongArray.zip(other: LongArray, transform: (a: Long, b: Long) -> V): List<V> {\n  val
size = minOf(size, other.size)\n  val list = ArrayList<V>(size)\n  for (i in 0 until size) {\n
list.add(transform(this[i], other[i]))\n  }\n  return list\n}\n\n/**\n * Returns a list of values built from the elements
of `this` array and the [other] array with the same index\n * using the provided [transform] function applied to each
pair of elements.\n * The returned list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <V>
FloatArray.zip(other: FloatArray, transform: (a: Float, b: Float) -> V): List<V> {\n  val size = minOf(size,
other.size)\n  val list = ArrayList<V>(size)\n  for (i in 0 until size) {\n    list.add(transform(this[i], other[i]))\n
}\n  return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <V>
DoubleArray.zip(other: DoubleArray, transform: (a: Double, b: Double) -> V): List<V> {\n  val size = minOf(size,
other.size)\n  val list = ArrayList<V>(size)\n  for (i in 0 until size) {\n    list.add(transform(this[i], other[i]))\n
}\n  return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n */\npublic inline fun <V>
BooleanArray.zip(other: BooleanArray, transform: (a: Boolean, b: Boolean) -> V): List<V> {\n  val size =
minOf(size, other.size)\n  val list = ArrayList<V>(size)\n  for (i in 0 until size) {\n    list.add(transform(this[i],

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other[i]))\n } \n return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the
[other] array with the same index\n * using the provided [transform] function applied to each pair of elements.\n *
The returned list has length of the shortest array.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n *\npublic inline fun <V>
CharArray.zip(other: CharArray, transform: (a: Char, b: Char) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n    }\n    return list\n}\n\n/**\n * Appends the string from all the elements separated using [separator] and using the
given [prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value
of [limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string
(which defaults to "...").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n *\npublic fun
<T, A : Appendable> Array<out T>.joinTo(buffer: A, separator: CharSequence = "\", "\", prefix: CharSequence = "\",
postfix: CharSequence = "\", limit: Int = -1, truncated: CharSequence = "...", transform: ((T) -> CharSequence)? =
null): A {\n    buffer.append(prefix)\n    var count = 0\n    for (element in this) {\n        if (++count > 1)
buffer.append(separator)\n        if (limit < 0 || count <= limit) {\n            buffer.appendElement(element, transform)\n
        } else break\n    }\n    if (limit >= 0 && count > limit) buffer.append(truncated)\n    buffer.append(postfix)\n
return buffer\n}\n\n/**\n * Appends the string from all the elements separated using [separator] and using the given
[prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of
[limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string (which
defaults to "...").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n *\npublic fun <A :
Appendable> ByteArray.joinTo(buffer: A, separator: CharSequence = "\", "\", prefix: CharSequence = "\", postfix:
CharSequence = "\", limit: Int = -1, truncated: CharSequence = "...", transform: ((Byte) -> CharSequence)? =
null): A {\n    buffer.append(prefix)\n    var count = 0\n    for (element in this) {\n        if (++count > 1)
buffer.append(separator)\n        if (limit < 0 || count <= limit) {\n            if (transform != null)\n                buffer.append(transform(element))\n            else\n                buffer.append(element.toString())\n        } else break\n
    }\n    if (limit >= 0 && count > limit) buffer.append(truncated)\n    buffer.append(postfix)\n    return
buffer\n}\n\n/**\n * Appends the string from all the elements separated using [separator] and using the given
[prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of
[limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string (which
defaults to "...").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n *\npublic fun <A :
Appendable> ShortArray.joinTo(buffer: A, separator: CharSequence = "\", "\", prefix: CharSequence = "\", postfix:
CharSequence = "\", limit: Int = -1, truncated: CharSequence = "...", transform: ((Short) -> CharSequence)? =
null): A {\n    buffer.append(prefix)\n    var count = 0\n    for (element in this) {\n        if (++count > 1)
buffer.append(separator)\n        if (limit < 0 || count <= limit) {\n            if (transform != null)\n                buffer.append(transform(element))\n            else\n                buffer.append(element.toString())\n        } else break\n
    }\n    if (limit >= 0 && count > limit) buffer.append(truncated)\n    buffer.append(postfix)\n    return
buffer\n}\n\n/**\n * Appends the string from all the elements separated using [separator] and using the given
[prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of
[limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string (which
defaults to "...").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n *\npublic fun <A :
Appendable> IntArray.joinTo(buffer: A, separator: CharSequence = "\", "\", prefix: CharSequence = "\", postfix:
CharSequence = "\", limit: Int = -1, truncated: CharSequence = "...", transform: ((Int) -> CharSequence)? =
null): A {\n    buffer.append(prefix)\n    var count = 0\n    for (element in this) {\n        if (++count > 1)
buffer.append(separator)\n        if (limit < 0 || count <= limit) {\n            if (transform != null)\n                buffer.append(transform(element))\n            else\n                buffer.append(element.toString())\n        } else break\n
    }\n    if (limit >= 0 && count > limit) buffer.append(truncated)\n    buffer.append(postfix)\n    return
buffer\n}\n\n/**\n * Appends the string from all the elements separated using [separator] and using the given
[prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of
[limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string (which

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defaults to "...").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n * \npublic fun <A :
Appendable> LongArray.joinTo(buffer: A, separator: CharSequence = '\', \', prefix: CharSequence = \"\", postfix:
CharSequence = \"\", limit: Int = -1, truncated: CharSequence = \"...\", transform: ((Long) -> CharSequence)? =
null): A {\n  buffer.append(prefix)\n  var count = 0\n  for (element in this) {\n    if (++count > 1)
buffer.append(separator)\n    if (limit < 0 || count <= limit) {\n      if (transform != null)\nbuffer.append(transform(element))\n      else\n        buffer.append(element.toString())\n    } else break\n  }\n  if (limit >= 0 && count > limit) buffer.append(truncated)\n  buffer.append(postfix)\n  return
buffer}\n}\n\n/**\n * Appends the string from all the elements separated using [separator] and using the given
[prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of
[limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string (which
defaults to "...").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n * \npublic fun <A :
Appendable> FloatArray.joinTo(buffer: A, separator: CharSequence = '\', \', prefix: CharSequence = \"\", postfix:
CharSequence = \"\", limit: Int = -1, truncated: CharSequence = \"...\", transform: ((Float) -> CharSequence)? =
null): A {\n  buffer.append(prefix)\n  var count = 0\n  for (element in this) {\n    if (++count > 1)
buffer.append(separator)\n    if (limit < 0 || count <= limit) {\n      if (transform != null)\nbuffer.append(transform(element))\n      else\n        buffer.append(element.toString())\n    } else break\n  }\n  if (limit >= 0 && count > limit) buffer.append(truncated)\n  buffer.append(postfix)\n  return
buffer}\n}\n\n/**\n * Appends the string from all the elements separated using [separator] and using the given
[prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of
[limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string (which
defaults to "...").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n * \npublic fun <A :
Appendable> DoubleArray.joinTo(buffer: A, separator: CharSequence = '\', \', prefix: CharSequence = \"\", postfix:
CharSequence = \"\", limit: Int = -1, truncated: CharSequence = \"...\", transform: ((Double) -> CharSequence)? =
null): A {\n  buffer.append(prefix)\n  var count = 0\n  for (element in this) {\n    if (++count > 1)
buffer.append(separator)\n    if (limit < 0 || count <= limit) {\n      if (transform != null)\nbuffer.append(transform(element))\n      else\n        buffer.append(element.toString())\n    } else break\n  }\n  if (limit >= 0 && count > limit) buffer.append(truncated)\n  buffer.append(postfix)\n  return
buffer}\n}\n\n/**\n * Appends the string from all the elements separated using [separator] and using the given
[prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of
[limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string (which
defaults to "...").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n * \npublic fun <A :
Appendable> BooleanArray.joinTo(buffer: A, separator: CharSequence = '\', \', prefix: CharSequence = \"\",
postfix: CharSequence = \"\", limit: Int = -1, truncated: CharSequence = \"...\", transform: ((Boolean) ->
CharSequence)? = null): A {\n  buffer.append(prefix)\n  var count = 0\n  for (element in this) {\n    if (++count
> 1) buffer.append(separator)\n    if (limit < 0 || count <= limit) {\n      if (transform != null)\nbuffer.append(transform(element))\n      else\n        buffer.append(element.toString())\n    } else break\n  }\n  if (limit >= 0 && count > limit) buffer.append(truncated)\n  buffer.append(postfix)\n  return
buffer}\n}\n\n/**\n * Appends the string from all the elements separated using [separator] and using the given
[prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of
[limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string (which
defaults to "...").\n * \n * @sample samples.collections.Collections.Transformations.joinTo\n * \npublic fun <A :
Appendable> CharArray.joinTo(buffer: A, separator: CharSequence = '\', \', prefix: CharSequence = \"\", postfix:
CharSequence = \"\", limit: Int = -1, truncated: CharSequence = \"...\", transform: ((Char) -> CharSequence)? =
null): A {\n  buffer.append(prefix)\n  var count = 0\n  for (element in this) {\n    if (++count > 1)
buffer.append(separator)\n    if (limit < 0 || count <= limit) {\n      if (transform != null)\nbuffer.append(transform(element))\n      else\n        buffer.append(element)\n    } else break\n  }\n  if
(limit >= 0 && count > limit) buffer.append(truncated)\n  buffer.append(postfix)\n  return buffer}\n}\n\n/**\n * Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if

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supplied.
 * If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").
 * @sample samples.collections.Collections.Transformations.joinToString
`public fun <T> Array<out T>.joinToString(separator: CharSequence = "\", \", prefix: CharSequence = "\", postfix: CharSequence = "\", limit: Int = -1, truncated: CharSequence = "...\", transform: ((T) -> CharSequence)? = null): String {`
`return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()`
 }
 * Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
 * If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").
 * @sample samples.collections.Collections.Transformations.joinToString
`public fun ByteArray.joinToString(separator: CharSequence = "\", \", prefix: CharSequence = "\", postfix: CharSequence = "\", limit: Int = -1, truncated: CharSequence = "...\", transform: ((Byte) -> CharSequence)? = null): String {`
`return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()`
 }
 * Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
 * If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").
 * @sample samples.collections.Collections.Transformations.joinToString
`public fun ShortArray.joinToString(separator: CharSequence = "\", \", prefix: CharSequence = "\", postfix: CharSequence = "\", limit: Int = -1, truncated: CharSequence = "...\", transform: ((Short) -> CharSequence)? = null): String {`
`return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()`
 }
 * Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
 * If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").
 * @sample samples.collections.Collections.Transformations.joinToString
`public fun IntArray.joinToString(separator: CharSequence = "\", \", prefix: CharSequence = "\", postfix: CharSequence = "\", limit: Int = -1, truncated: CharSequence = "...\", transform: ((Int) -> CharSequence)? = null): String {`
`return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()`
 }
 * Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
 * If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").
 * @sample samples.collections.Collections.Transformations.joinToString
`public fun LongArray.joinToString(separator: CharSequence = "\", \", prefix: CharSequence = "\", postfix: CharSequence = "\", limit: Int = -1, truncated: CharSequence = "...\", transform: ((Long) -> CharSequence)? = null): String {`
`return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()`
 }
 * Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
 * If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").
 * @sample samples.collections.Collections.Transformations.joinToString
`public fun FloatArray.joinToString(separator: CharSequence = "\", \", prefix: CharSequence = "\", postfix: CharSequence = "\", limit: Int = -1, truncated: CharSequence = "...\", transform: ((Float) -> CharSequence)? = null): String {`
`return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()`
 }
 * Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.
 * If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit] elements will be appended, followed by the [truncated] string (which defaults to "...").
 * @sample samples.collections.Collections.Transformations.joinToString
`public fun DoubleArray.joinToString(separator: CharSequence = "\", \", prefix: CharSequence = "\", postfix: CharSequence = "\", limit: Int = -1, truncated: CharSequence = "...\", transform: ((Double) -> CharSequence)? = null): String {`
`return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()`
 }
 * Creates a string from all the elements

separated using [separator] and using the given [prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string (which defaults to \"...\").\n * \n * @sample samples.collections.Collections.Transformations.joinToString\n * \n\npublic fun BooleanArray.joinToString(separator: CharSequence = \"\", prefix: CharSequence = \"\", postfix: CharSequence = \"\", limit: Int = -1, truncated: CharSequence = \"...\", transform: ((Boolean) -> CharSequence)? = null): String {\n return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()\n}\n\n/**\n * Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of [limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string (which defaults to \"...\").\n * \n * @sample samples.collections.Collections.Transformations.joinToString\n * \n\npublic fun CharArray.joinToString(separator: CharSequence = \"\", prefix: CharSequence = \"\", postfix: CharSequence = \"\", limit: Int = -1, truncated: CharSequence = \"...\", transform: ((Char) -> CharSequence)? = null): String {\n return joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original array returning its elements when being iterated.\n * \n\npublic fun <T> Array<out T>.asIterable(): Iterable<T> {\n if (isEmpty()) return emptyList()\n return Iterable { this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original array returning its elements when being iterated.\n * \n\npublic fun ByteArray.asIterable(): Iterable<Byte> {\n if (isEmpty()) return emptyList()\n return Iterable { this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original array returning its elements when being iterated.\n * \n\npublic fun ShortArray.asIterable(): Iterable<Short> {\n if (isEmpty()) return emptyList()\n return Iterable { this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original array returning its elements when being iterated.\n * \n\npublic fun IntArray.asIterable(): Iterable<Int> {\n if (isEmpty()) return emptyList()\n return Iterable { this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original array returning its elements when being iterated.\n * \n\npublic fun LongArray.asIterable(): Iterable<Long> {\n if (isEmpty()) return emptyList()\n return Iterable { this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original array returning its elements when being iterated.\n * \n\npublic fun FloatArray.asIterable(): Iterable<Float> {\n if (isEmpty()) return emptyList()\n return Iterable { this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original array returning its elements when being iterated.\n * \n\npublic fun DoubleArray.asIterable(): Iterable<Double> {\n if (isEmpty()) return emptyList()\n return Iterable { this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original array returning its elements when being iterated.\n * \n\npublic fun BooleanArray.asIterable(): Iterable<Boolean> {\n if (isEmpty()) return emptyList()\n return Iterable { this.iterator() }\n}\n\n/**\n * Creates an [Iterable] instance that wraps the original array returning its elements when being iterated.\n * \n\npublic fun CharArray.asIterable(): Iterable<Char> {\n if (isEmpty()) return emptyList()\n return Iterable { this.iterator() }\n}\n\n/**\n * Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n * \n * @sample samples.collections.Sequences.Building.sequenceFromArray\n * \n\npublic fun <T> Array<out T>.asSequence(): Sequence<T> {\n if (isEmpty()) return emptySequence()\n return Sequence { this.iterator() }\n}\n\n/**\n * Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n * \n * @sample samples.collections.Sequences.Building.sequenceFromArray\n * \n\npublic fun ByteArray.asSequence(): Sequence<Byte> {\n if (isEmpty()) return emptySequence()\n return Sequence { this.iterator() }\n}\n\n/**\n * Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n * \n * @sample samples.collections.Sequences.Building.sequenceFromArray\n * \n\npublic fun ShortArray.asSequence(): Sequence<Short> {\n if (isEmpty()) return emptySequence()\n return Sequence { this.iterator() }\n}\n\n/**\n * Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n * \n * @sample samples.collections.Sequences.Building.sequenceFromArray\n * \n\npublic fun IntArray.asSequence(): Sequence<Int> {\n if (isEmpty()) return emptySequence()\n return Sequence { this.iterator() }\n}\n\n/**\n * Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n * \n * @sample samples.collections.Sequences.Building.sequenceFromArray\n * \n\npublic fun LongArray.asSequence():

```

Sequence<Long> {\n  if (isEmpty()) return emptySequence()\n  return Sequence { this.iterator() }\n}\n\n/**\n * Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n *\n * @sample samples.collections.Sequences.Building.sequenceFromArray\n */\npublic fun FloatArray.asSequence():\nSequence<Float> {\n  if (isEmpty()) return emptySequence()\n  return Sequence { this.iterator() }\n}\n\n/**\n * Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n *\n * @sample samples.collections.Sequences.Building.sequenceFromArray\n */\npublic fun DoubleArray.asSequence():\nSequence<Double> {\n  if (isEmpty()) return emptySequence()\n  return Sequence { this.iterator() }\n}\n\n/**\n * Creates a [Sequence] instance that wraps the original array returning its elements when being iterated.\n * \n *\n * @sample samples.collections.Sequences.Building.sequenceFromArray\n */\npublic fun\nBooleanArray.asSequence(): Sequence<Boolean> {\n  if (isEmpty()) return emptySequence()\n  return Sequence\n{ this.iterator() }\n}\n\n/**\n * Creates a [Sequence] instance that wraps the original array returning its elements\nwhen being iterated.\n * \n *\n * @sample samples.collections.Sequences.Building.sequenceFromArray\n */\npublic\nfun CharArray.asSequence(): Sequence<Char> {\n  if (isEmpty()) return emptySequence()\n  return Sequence { this.iterator() }\n}\n\n/**\n * Returns an average value of elements in the array.\n *\n */\n\n@kotlin.jvm.JvmName("averageOfByte")\npublic fun Array<out Byte>.average(): Double {\n  var sum:\nDouble = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return\nif (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n *\n */\n\n@kotlin.jvm.JvmName("averageOfShort")\npublic fun Array<out Short>.average(): Double {\n  var sum:\nDouble = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return\nif (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n *\n */\n\n@kotlin.jvm.JvmName("averageOfInt")\npublic fun Array<out Int>.average(): Double {\n  var sum: Double\n= 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return if (count\n== 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n *\n */\n\n@kotlin.jvm.JvmName("averageOfLong")\npublic fun Array<out Long>.average(): Double {\n  var sum:\nDouble = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return\nif (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n *\n */\n\n@kotlin.jvm.JvmName("averageOfFloat")\npublic fun Array<out Float>.average(): Double {\n  var sum:\nDouble = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return\nif (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n *\n */\n\n@kotlin.jvm.JvmName("averageOfDouble")\npublic fun Array<out Double>.average(): Double {\n  var sum:\nDouble = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return\nif (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n *\n */\n\npublic fun ByteArray.average(): Double {\n  var sum: Double = 0.0\n  var count: Int = 0\n  for (element in\nthis) {\n    sum += element\n    ++count\n  }\n  return if (count == 0) Double.NaN else sum /\ncount\n}\n\n/**\n * Returns an average value of elements in the array.\n *\n */\n\npublic fun ShortArray.average():\nDouble {\n  var sum: Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of\nelements in the array.\n *\n */\n\npublic fun IntArray.average(): Double {\n  var sum: Double = 0.0\n  var count: Int =\n0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return if (count == 0) Double.NaN else\nsum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n *\n */\n\npublic fun LongArray.average():\nDouble {\n  var sum: Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of\nelements in the array.\n *\n */\n\npublic fun FloatArray.average(): Double {\n  var sum: Double = 0.0\n  var count: Int\n= 0\n  for (element in this) {\n    sum += element\n    ++count\n  }\n  return if (count == 0) Double.NaN\nelse sum / count\n}\n\n/**\n * Returns an average value of elements in the array.\n *\n */\n\npublic fun\nDoubleArray.average(): Double {\n  var sum: Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum\n+= element\n    ++count\n  }\n  return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns\nthe sum of all elements in the array.\n *\n */\n\n@kotlin.jvm.JvmName("sumOfByte")\npublic fun Array<out

```

```

Byte>.sum(): Int {
    var sum: Int = 0
    for (element in this) {
        sum += element
    }
    return sum
}

/** Returns the sum of all elements in the array.
 *
 * @kotlin.jvm.JvmName("sumOfShort")
 */
public fun Array<out Short>.sum(): Int {
    var sum: Int = 0
    for (element in this) {
        sum += element
    }
    return sum
}

/** Returns the sum of all elements in the array.
 *
 * @kotlin.jvm.JvmName("sumOfInt")
 */
public fun Array<out Int>.sum(): Int {
    var sum: Int = 0
    for (element in this) {
        sum += element
    }
    return sum
}

/** Returns the sum of all elements in the array.
 *
 * @kotlin.jvm.JvmName("sumOfLong")
 */
public fun Array<out Long>.sum(): Long {
    var sum: Long = 0L
    for (element in this) {
        sum += element
    }
    return sum
}

/** Returns the sum of all elements in the array.
 *
 * @kotlin.jvm.JvmName("sumOfFloat")
 */
public fun Array<out Float>.sum(): Float {
    var sum: Float = 0.0f
    for (element in this) {
        sum += element
    }
    return sum
}

/** Returns the sum of all elements in the array.
 *
 * @kotlin.jvm.JvmName("sumOfDouble")
 */
public fun Array<out Double>.sum(): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += element
    }
    return sum
}

/** Returns the sum of all elements in the array.
 *
 */
public fun ByteArray.sum(): Int {
    var sum: Int = 0
    for (element in this) {
        sum += element
    }
    return sum
}

/** Returns the sum of all elements in the array.
 *
 */
public fun ShortArray.sum(): Int {
    var sum: Int = 0
    for (element in this) {
        sum += element
    }
    return sum
}

/** Returns the sum of all elements in the array.
 *
 */
public fun IntArray.sum(): Int {
    var sum: Int = 0
    for (element in this) {
        sum += element
    }
    return sum
}

/** Returns the sum of all elements in the array.
 *
 */
public fun LongArray.sum(): Long {
    var sum: Long = 0L
    for (element in this) {
        sum += element
    }
    return sum
}

/** Returns the sum of all elements in the array.
 *
 */
public fun FloatArray.sum(): Float {
    var sum: Float = 0.0f
    for (element in this) {
        sum += element
    }
    return sum
}

/** Returns the sum of all elements in the array.
 *
 */
public fun DoubleArray.sum(): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += element
    }
    return sum
}
}

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 */

@file:kotlin.jvm.JvmMultifileClass
@file:kotlin.jvm.JvmName("RangesKt")
package kotlin.ranges

// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt
// See: https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib
import kotlin.random.*

/** Returns a random element from this range.
 *
 * @throws IllegalArgumentException if this range is empty.
 */
@SinceKotlin("1.3")
@kotlin.internal.InlineOnly
public inline fun IntRange.random(): Int {
    return random(Random)
}

/** Returns a random element from this range.
 *
 * @throws IllegalArgumentException if this range is empty.
 */
@SinceKotlin("1.3")
@kotlin.internal.InlineOnly
public inline fun LongRange.random(): Long {
    return random(Random)
}

/** Returns a random element from this range using the specified source of randomness.
 *
 * @throws IllegalArgumentException if this range is empty.
 */
@SinceKotlin("1.3")
public fun IntRange.random(random: Random): Int {
    try {
        return random.nextInt(this)
    } catch (e: IllegalArgumentException) {
        throw NoSuchElementException(e.message)
    }
}

/** Returns a random element from this range using the specified source of randomness.
 *
 * @throws IllegalArgumentException if this range is empty.
 */
@SinceKotlin("1.3")
public fun LongRange.random(random: Random): Long {
    try {
        return random.nextLong(this)
    } catch (e: IllegalArgumentException) {
        throw NoSuchElementException(e.message)
    }
}

/** Returns a random element from this range using the specified source of randomness.
 *
 * @throws IllegalArgumentException if this range is empty.
 */
@SinceKotlin("1.3")
public fun CharRange.random(random: Random): Char {
    try {
        return random.nextInt(first.toInt(), last.toInt() + 1).toChar()
    } catch (e: IllegalArgumentException) {
        throw NoSuchElementException(e.message)
    }
}

/** Returns `true` if this range contains the specified

```

[element].\n * \n * Always returns `false` if the [element] is `null`.\n

*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline operator fun IntRange.contains(element: Int?): Boolean {\n return element != null && contains(element)\n}\n\n/**\n * Returns `true` if this range contains the specified [element].\n * \n * Always returns `false` if the [element] is `null`.\n

*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline operator fun LongRange.contains(element: Long?): Boolean {\n return element != null && contains(element)\n}\n\n/**\n * Returns `true` if this range contains the specified [element].\n * \n * Always returns `false` if the [element] is `null`.\n

*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline operator fun CharRange.contains(element: Char?): Boolean {\n return element != null && contains(element)\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n *\n@kotlin.jvm.JvmName("intRangeContains")\npublic operator fun ClosedRange<Int>.contains(value: Byte): Boolean {\n return contains(value.toInt())\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n *\n@kotlin.jvm.JvmName("longRangeContains")\npublic operator fun ClosedRange<Long>.contains(value: Byte): Boolean {\n return contains(value.toLong())\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n *\n@kotlin.jvm.JvmName("shortRangeContains")\npublic operator fun ClosedRange<Short>.contains(value: Byte): Boolean {\n return contains(value.toShort())\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n *\n@Deprecated("This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.")\n@kotlin.jvm.JvmName("doubleRangeContains")\npublic operator fun ClosedRange<Double>.contains(value: Byte): Boolean {\n return contains(value.toDouble())\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n *\n@Deprecated("This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.")\n@kotlin.jvm.JvmName("floatRangeContains")\npublic operator fun ClosedRange<Float>.contains(value: Byte): Boolean {\n return contains(value.toFloat())\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n *\n@Deprecated("This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.")\n@kotlin.jvm.JvmName("intRangeContains")\npublic operator fun ClosedRange<Int>.contains(value: Double): Boolean {\n return value.toIntExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n *\n@Deprecated("This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.")\n@kotlin.jvm.JvmName("longRangeContains")\npublic operator fun ClosedRange<Long>.contains(value: Double): Boolean {\n return value.toLongExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n *\n@Deprecated("This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.")\n@kotlin.jvm.JvmName("byteRangeContains")\npublic operator fun ClosedRange<Byte>.contains(value: Double): Boolean {\n return value.toByteExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n *\n@Deprecated("This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.")\n@kotlin.jvm.JvmName("shortRangeContains")\npublic operator fun ClosedRange<Short>.contains(value: Double): Boolean {\n return value.toShortExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n *\n@kotlin.jvm.JvmName("floatRangeContains")\npublic operator fun ClosedRange<Float>.contains(value: Double): Boolean {\n return contains(value.toFloat())\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n *\n@Deprecated("This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.")\n@kotlin.jvm.JvmName("intRangeContains")\npublic operator fun ClosedRange<Int>.contains(value: Float): Boolean {\n return value.toIntExactOrNull().let { if (it != null) contains(it) else false }\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n *\n@Deprecated("This `contains` operation mixing integer and floating point arguments has ambiguous semantics and is going to be removed.")\n@kotlin.jvm.JvmName("longRangeContains")\npublic operator fun

ClosedRange<Long>.contains(value: Float): Boolean { \n return value.toLongExactOrNull().let { if (it != null)
 contains(it) else false } \n } \n \n /** \n * Checks if the specified [value] belongs to this range. \n
 * \n @Deprecated("This `contains` operation mixing integer and floating point arguments has ambiguous semantics
 and is going to be removed.") \n @kotlin.jvm.JvmName("byteRangeContains") \n public operator fun
 ClosedRange<Byte>.contains(value: Float): Boolean { \n return value.toByteExactOrNull().let { if (it != null)
 contains(it) else false } \n } \n \n /** \n * Checks if the specified [value] belongs to this range. \n
 * \n @Deprecated("This `contains` operation mixing integer and floating point arguments has ambiguous semantics
 and is going to be removed.") \n @kotlin.jvm.JvmName("shortRangeContains") \n public operator fun
 ClosedRange<Short>.contains(value: Float): Boolean { \n return value.toShortExactOrNull().let { if (it != null)
 contains(it) else false } \n } \n \n /** \n * Checks if the specified [value] belongs to this range. \n
 * \n @kotlin.jvm.JvmName("doubleRangeContains") \n public operator fun ClosedRange<Double>.contains(value:
 Float): Boolean { \n return contains(value.toDouble()) \n } \n \n /** \n * Checks if the specified [value] belongs to this
 range. \n * \n @kotlin.jvm.JvmName("longRangeContains") \n public operator fun
 ClosedRange<Long>.contains(value: Int): Boolean { \n return contains(value.toLong()) \n } \n \n /** \n * Checks if the
 specified [value] belongs to this range. \n * \n @kotlin.jvm.JvmName("byteRangeContains") \n public operator fun
 ClosedRange<Byte>.contains(value: Int): Boolean { \n return value.toByteExactOrNull().let { if (it != null)
 contains(it) else false } \n } \n \n /** \n * Checks if the specified [value] belongs to this range. \n
 * \n @kotlin.jvm.JvmName("shortRangeContains") \n public operator fun ClosedRange<Short>.contains(value: Int):
 Boolean { \n return value.toShortExactOrNull().let { if (it != null) contains(it) else false } \n } \n \n /** \n * Checks if
 the specified [value] belongs to this range. \n * \n @Deprecated("This `contains` operation mixing integer and
 floating point arguments has ambiguous semantics and is going to be
 removed.") \n @kotlin.jvm.JvmName("doubleRangeContains") \n public operator fun
 ClosedRange<Double>.contains(value: Int): Boolean { \n return contains(value.toDouble()) \n } \n \n /** \n * Checks
 if the specified [value] belongs to this range. \n * \n @Deprecated("This `contains` operation mixing integer and
 floating point arguments has ambiguous semantics and is going to be
 removed.") \n @kotlin.jvm.JvmName("floatRangeContains") \n public operator fun
 ClosedRange<Float>.contains(value: Int): Boolean { \n return contains(value.toFloat()) \n } \n \n /** \n * Checks if the
 specified [value] belongs to this range. \n * \n @kotlin.jvm.JvmName("intRangeContains") \n public operator fun
 ClosedRange<Int>.contains(value: Long): Boolean { \n return value.toIntExactOrNull().let { if (it != null)
 contains(it) else false } \n } \n \n /** \n * Checks if the specified [value] belongs to this range. \n
 * \n @kotlin.jvm.JvmName("byteRangeContains") \n public operator fun ClosedRange<Byte>.contains(value:
 Long): Boolean { \n return value.toByteExactOrNull().let { if (it != null) contains(it) else false } \n } \n \n /** \n *
 Checks if the specified [value] belongs to this range. \n * \n @kotlin.jvm.JvmName("shortRangeContains") \n public
 operator fun ClosedRange<Short>.contains(value: Long): Boolean { \n return value.toShortExactOrNull().let { if
 (it != null) contains(it) else false } \n } \n \n /** \n * Checks if the specified [value] belongs to this range. \n
 * \n @Deprecated("This `contains` operation mixing integer and floating point arguments has ambiguous semantics
 and is going to be removed.") \n @kotlin.jvm.JvmName("doubleRangeContains") \n public operator fun
 ClosedRange<Double>.contains(value: Long): Boolean { \n return contains(value.toDouble()) \n } \n \n /** \n *
 Checks if the specified [value] belongs to this range. \n * \n @Deprecated("This `contains` operation mixing integer
 and floating point arguments has ambiguous semantics and is going to be
 removed.") \n @kotlin.jvm.JvmName("floatRangeContains") \n public operator fun
 ClosedRange<Float>.contains(value: Long): Boolean { \n return contains(value.toFloat()) \n } \n \n /** \n * Checks if
 the specified [value] belongs to this range. \n * \n @kotlin.jvm.JvmName("intRangeContains") \n public operator fun
 ClosedRange<Int>.contains(value: Short): Boolean { \n return contains(value.toInt()) \n } \n \n /** \n * Checks if the
 specified [value] belongs to this range. \n * \n @kotlin.jvm.JvmName("longRangeContains") \n public operator fun
 ClosedRange<Long>.contains(value: Short): Boolean { \n return contains(value.toLong()) \n } \n \n /** \n * Checks if
 the specified [value] belongs to this range. \n * \n @kotlin.jvm.JvmName("byteRangeContains") \n public operator
 fun ClosedRange<Byte>.contains(value: Short): Boolean { \n return value.toByteExactOrNull().let { if (it != null)

`LongProgression.fromClosedRange(this.toLong(), to, -1L)` Returns a progression from this value down to the specified [to] value with the step -1. The [to] value should be less than or equal to `this` value. If the [to] value is greater than `this` value the returned progression is empty.

`Short.downTo(to: Long): LongProgression` Returns a progression from this value down to the specified [to] value with the step -1. The [to] value should be less than or equal to `this` value. If the [to] value is greater than `this` value the returned progression is empty.

`Int.downTo(to: Short): IntProgression` Returns a progression from this value down to the specified [to] value with the step -1. The [to] value should be less than or equal to `this` value. If the [to] value is greater than `this` value the returned progression is empty.

`Long.downTo(to: Short): LongProgression` Returns a progression from this value down to the specified [to] value with the step -1. The [to] value should be less than or equal to `this` value. If the [to] value is greater than `this` value the returned progression is empty.

`Byte.downTo(to: Short): IntProgression` Returns a progression from this value down to the specified [to] value with the step -1. The [to] value should be less than or equal to `this` value. If the [to] value is greater than `this` value the returned progression is empty.

`IntProgression.fromClosedRange(this.toInt(), to.toInt(), -1)` Returns a progression from this value down to the specified [to] value with the step -1. The [to] value should be less than or equal to `this` value. If the [to] value is greater than `this` value the returned progression is empty.

`Short.downTo(to: Short): IntProgression` Returns a progression that goes over the same range in the opposite direction with the same step.

`IntProgression.reversed(): IntProgression` Returns a progression that goes over the same range in the opposite direction with the same step.

`LongProgression.reversed(): LongProgression` Returns a progression that goes over the same range in the opposite direction with the same step.

`CharProgression.reversed(): CharProgression` Returns a progression that goes over the same range with the given step.

`IntProgression.step(step: Int): IntProgression` Returns a progression that goes over the same range with the given step.

`LongProgression.step(step: Long): LongProgression` Returns a progression that goes over the same range with the given step.

`CharProgression.step(step: Int): CharProgression` Returns a progression that goes over the same range with the given step.

`Int.toByteExactOrNull(): Byte?` Returns if (this in `Byte.MIN_VALUE.toInt()..Byte.MAX_VALUE.toInt()`) `this.toByte()` else null.

`Long.toByteExactOrNull(): Byte?` Returns if (this in `Byte.MIN_VALUE.toLong()..Byte.MAX_VALUE.toLong()`) `this.toByte()` else null.

`Short.toByteExactOrNull(): Byte?` Returns if (this in `Byte.MIN_VALUE.toShort()..Byte.MAX_VALUE.toShort()`) `this.toByte()` else null.

`Double.toByteExactOrNull(): Byte?` Returns if (this in `Byte.MIN_VALUE.toDouble()..Byte.MAX_VALUE.toDouble()`) `this.toByte()` else null.

`Float.toByteExactOrNull(): Byte?` Returns if (this in `Byte.MIN_VALUE.toFloat()..Byte.MAX_VALUE.toFloat()`) `this.toByte()` else null.

`Long.toIntExactOrNull(): Int?` Returns if (this in `Int.MIN_VALUE.toLong()..Int.MAX_VALUE.toLong()`) `this.toInt()` else null.

`Double.toIntExactOrNull(): Int?` Returns if (this in `Int.MIN_VALUE.toDouble()..Int.MAX_VALUE.toDouble()`) `this.toInt()` else null.

`Float.toIntExactOrNull(): Int?` Returns if (this in `Int.MIN_VALUE.toFloat()..Int.MAX_VALUE.toFloat()`) `this.toInt()` else null.

`Double.toLongExactOrNull(): Long?` Returns if (this in `Long.MIN_VALUE.toDouble()..Long.MAX_VALUE.toDouble()`) `this.toLong()` else null.

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Float.toLongExactOrNull(): Long? {\n  return if (this in
Long.MIN_VALUE.toFloat()..Long.MAX_VALUE.toFloat()) this.toLong() else null\n}\n\ninternal fun
Int.toShortExactOrNull(): Short? {\n  return if (this in Short.MIN_VALUE.toInt()..Short.MAX_VALUE.toInt())
this.toShort() else null\n}\n\ninternal fun Long.toShortExactOrNull(): Short? {\n  return if (this in
Short.MIN_VALUE.toLong()..Short.MAX_VALUE.toLong()) this.toShort() else null\n}\n\ninternal fun
Double.toShortExactOrNull(): Short? {\n  return if (this in
Short.MIN_VALUE.toDouble()..Short.MAX_VALUE.toDouble()) this.toShort() else null\n}\n\ninternal fun
Float.toShortExactOrNull(): Short? {\n  return if (this in
Short.MIN_VALUE.toFloat()..Short.MAX_VALUE.toFloat()) this.toShort() else null\n}\n\n/**\n * Returns a range
from this value up to but excluding the specified [to] value.\n * \n * If the [to] value is less than or equal to `this`
value, then the returned range is empty.\n */\npublic infix fun Int.until(to: Byte): IntRange {\n  return this ..
(to.toInt() - 1).toInt()\n}\n\n/**\n * Returns a range from this value up to but excluding the specified [to] value.\n *
\n * If the [to] value is less than or equal to `this` value, then the returned range is empty.\n */\npublic infix fun
Long.until(to: Byte): LongRange {\n  return this .. (to.toLong() - 1).toLong()\n}\n\n/**\n * Returns a range from
this value up to but excluding the specified [to] value.\n * \n * If the [to] value is less than or equal to `this`
value, then the returned range is empty.\n */\npublic infix fun Byte.until(to: Byte): IntRange {\n  return this.toInt() ..
(to.toInt() - 1).toInt()\n}\n\n/**\n * Returns a range from this value up to but excluding the specified [to] value.\n *
\n * If the [to] value is less than or equal to `this` value, then the returned range is empty.\n */\npublic infix fun
Short.until(to: Byte): IntRange {\n  return this.toInt() .. (to.toInt() - 1).toInt()\n}\n\n/**\n * Returns a range from
this value up to but excluding the specified [to] value.\n * \n * If the [to] value is less than or equal to `this`
value, then the returned range is empty.\n */\npublic infix fun Char.until(to: Char): CharRange {\n  if (to <= '\u0000')
return CharRange.EMPTY\n  return this .. (to - 1).toChar()\n}\n\n/**\n * Returns a range from this value up to but
excluding the specified [to] value.\n * \n * If the [to] value is less than or equal to `this` value, then the returned
range is empty.\n */\npublic infix fun Int.until(to: Int): IntRange {\n  if (to <= Int.MIN_VALUE) return
IntRange.EMPTY\n  return this .. (to - 1).toInt()\n}\n\n/**\n * Returns a range from this value up to but excluding
the specified [to] value.\n * \n * If the [to] value is less than or equal to `this` value, then the returned range is
empty.\n */\npublic infix fun Long.until(to: Int): LongRange {\n  return this .. (to.toLong() -
1).toLong()\n}\n\n/**\n * Returns a range from this value up to but excluding the specified [to] value.\n * \n * If
the [to] value is less than or equal to `this` value, then the returned range is empty.\n */\npublic infix fun Byte.until(to:
Int): IntRange {\n  if (to <= Int.MIN_VALUE) return IntRange.EMPTY\n  return this.toInt() .. (to -
1).toInt()\n}\n\n/**\n * Returns a range from this value up to but excluding the specified [to] value.\n * \n * If
the [to] value is less than or equal to `this` value, then the returned range is empty.\n */\npublic infix fun Short.until(to:
Int): IntRange {\n  if (to <= Int.MIN_VALUE) return IntRange.EMPTY\n  return this.toInt() .. (to -
1).toInt()\n}\n\n/**\n * Returns a range from this value up to but excluding the specified [to] value.\n * \n * If
the [to] value is less than or equal to `this` value, then the returned range is empty.\n */\npublic infix fun Int.until(to:
Long): LongRange {\n  if (to <= Long.MIN_VALUE) return LongRange.EMPTY\n  return this.toLong() .. (to -
1).toLong()\n}\n\n/**\n * Returns a range from this value up to but excluding the specified [to] value.\n * \n * If
the [to] value is less than or equal to `this` value, then the returned range is empty.\n */\npublic infix fun Long.until(to:
Long): LongRange {\n  if (to <= Long.MIN_VALUE) return LongRange.EMPTY\n  return this .. (to -
1).toLong()\n}\n\n/**\n * Returns a range from this value up to but excluding the specified [to] value.\n * \n * If
the [to] value is less than or equal to `this` value, then the returned range is empty.\n */\npublic infix fun Byte.until(to:
Long): LongRange {\n  if (to <= Long.MIN_VALUE) return LongRange.EMPTY\n  return this.toLong() .. (to -
1).toLong()\n}\n\n/**\n * Returns a range from this value up to but excluding the specified [to] value.\n * \n * If
the [to] value is less than or equal to `this` value, then the returned range is empty.\n */\npublic infix fun Short.until(to:
Long): LongRange {\n  if (to <= Long.MIN_VALUE) return LongRange.EMPTY\n  return this.toLong() .. (to -
1).toLong()\n}\n\n/**\n * Returns a range from this value up to but excluding the specified [to] value.\n * \n * If
the [to] value is less than or equal to `this` value, then the returned range is empty.\n */\npublic infix fun Int.until(to:
Short): IntRange {\n  return this .. (to.toInt() - 1).toInt()\n}\n\n/**\n * Returns a range from this value up to but

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excluding the specified [to] value.\n * \n * If the [to] value is less than or equal to `this` value, then the returned range is empty.\n */\n\npublic infix fun Long.until(to: Short): LongRange {\n return this .. (to.toLong() - 1).toLong()\n}\n\n/**\n * Returns a range from this value up to but excluding the specified [to] value.\n * \n * If the [to] value is less than or equal to `this` value, then the returned range is empty.\n */\n\npublic infix fun Byte.until(to: Short): IntRange {\n return this.toInt() .. (to.toInt() - 1).toInt()\n}\n\n/**\n * Returns a range from this value up to but excluding the specified [to] value.\n * \n * If the [to] value is less than or equal to `this` value, then the returned range is empty.\n */\n\npublic infix fun Short.until(to: Short): IntRange {\n return this.toInt() .. (to.toInt() - 1).toInt()\n}\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtLeastComparable\n */\n\npublic fun <T : Comparable<T>> T.coerceAtLeast(minimumValue: T): T {\n return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtLeast\n */\n\npublic fun Byte.coerceAtLeast(minimumValue: Byte): Byte {\n return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtLeast\n */\n\npublic fun Short.coerceAtLeast(minimumValue: Short): Short {\n return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtLeast\n */\n\npublic fun Int.coerceAtLeast(minimumValue: Int): Int {\n return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtLeast\n */\n\npublic fun Long.coerceAtLeast(minimumValue: Long): Long {\n return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtLeast\n */\n\npublic fun Float.coerceAtLeast(minimumValue: Float): Float {\n return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtLeast\n */\n\npublic fun Double.coerceAtLeast(minimumValue: Double): Double {\n return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n * \n * @return this value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtMostComparable\n */\n\npublic fun <T : Comparable<T>> T.coerceAtMost(maximumValue: T): T {\n return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n * \n * @return this value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtMost\n */\n\npublic fun Byte.coerceAtMost(maximumValue: Byte): Byte {\n return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n * \n * @return this value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtMost\n */\n\npublic fun Short.coerceAtMost(maximumValue: Short): Short {\n return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n * \n * @return this value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtMost\n */\n\npublic fun Int.coerceAtMost(maximumValue: Int): Int

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{\n  return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this value is not greater
than the specified [maximumValue].\n * \n * @return this value if it's less than or equal to the [maximumValue] or
the [maximumValue] otherwise.\n * \n * @sample samples.comparisons.ComparableOps.coerceAtMost\n
*/\npublic fun Long.coerceAtMost(maximumValue: Long): Long {\n  return if (this > maximumValue)
maximumValue else this\n}\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n *
\n * @return this value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n *
\n * @sample samples.comparisons.ComparableOps.coerceAtMost\n */\npublic fun
Float.coerceAtMost(maximumValue: Float): Float {\n  return if (this > maximumValue) maximumValue else
this\n}\n\n/**\n * Ensures that this value is not greater than the specified [maximumValue].\n * \n * @return this
value if it's less than or equal to the [maximumValue] or the [maximumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtMost\n */\npublic fun Double.coerceAtMost(maximumValue:
Double): Double {\n  return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this
value lies in the specified range [minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range,
or [minimumValue] if this value is less than [minimumValue], or [maximumValue] if this value is greater than
[maximumValue].\n * \n * @sample samples.comparisons.ComparableOps.coerceInComparable\n */\npublic fun
<T : Comparable<T>> T.coerceIn(minimumValue: T?, maximumValue: T?): T {\n  if (minimumValue !== null
&& maximumValue !== null) {\n    if (minimumValue > maximumValue) throw
IllegalArgumentException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n    if (this >
maximumValue) return maximumValue\n  }\n  else {\n    if (minimumValue !== null && this <
minimumValue) return minimumValue\n    if (maximumValue !== null && this > maximumValue) return
maximumValue\n  }\n  return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n */\npublic fun Byte.coerceIn(minimumValue: Byte,
maximumValue: Byte): Byte {\n  if (minimumValue > maximumValue) throw
IllegalArgumentException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n  if (this < minimumValue) return minimumValue\n  if (this > maximumValue)
return maximumValue\n  return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n */\npublic fun Short.coerceIn(minimumValue: Short,
maximumValue: Short): Short {\n  if (minimumValue > maximumValue) throw
IllegalArgumentException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n  if (this < minimumValue) return minimumValue\n  if (this > maximumValue)
return maximumValue\n  return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n */\npublic fun Int.coerceIn(minimumValue: Int, maximumValue:
Int): Int {\n  if (minimumValue > maximumValue) throw ArgumentException("Cannot coerce value to an
empty range: maximum $maximumValue is less than minimum $minimumValue.")\n  if (this < minimumValue)
return minimumValue\n  if (this > maximumValue) return maximumValue\n  return this\n}\n\n/**\n * Ensures
that this value lies in the specified range [minimumValue]..[maximumValue].\n * \n * @return this value if it's in
the range, or [minimumValue] if this value is less than [minimumValue], or [maximumValue] if this value is greater
than [maximumValue].\n * \n * @sample samples.comparisons.ComparableOps.coerceIn\n */\npublic fun
Long.coerceIn(minimumValue: Long, maximumValue: Long): Long {\n  if (minimumValue > maximumValue)
throw ArgumentException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n  if (this < minimumValue) return minimumValue\n  if (this > maximumValue)
return maximumValue\n  return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n */\npublic fun

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return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n *^\npublic fun Float.coerceIn(minimumValue: Float,
maximumValue: Float): Float {\n    if (minimumValue > maximumValue) throw
IllegalArgumentException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n    if (this > maximumValue)
return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n *^\npublic fun Double.coerceIn(minimumValue: Double,
maximumValue: Double): Double {\n    if (minimumValue > maximumValue) throw
IllegalArgumentException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n    if (this > maximumValue)
return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the specified [range].\n * \n *
@return this value if it's in the [range], or `range.start` if this value is less than `range.start`, or `range.endInclusive`
if this value is greater than `range.endInclusive`.\n * \n * @sample
samples.comparisons.ComparableOps.coerceInFloatingPointRange\n *^\n@SinceKotlin("1.1")\npublic fun <T :
Comparable<T>> T.coerceIn(range: ClosedFloatingPointRange<T>): T {\n    if (range.isEmpty()) throw
IllegalArgumentException("Cannot coerce value to an empty range: $range.")\n    return when {\n        // this <
start equiv to this <= start && !(this >= start)\n        range.lessThanOrEquals(this, range.start) &&
!range.lessThanOrEquals(range.start, this) -> range.start\n        // this > end equiv to this >= end && !(this <= end)\n
range.lessThanOrEquals(range.endInclusive, this) && !range.lessThanOrEquals(this, range.endInclusive) ->
range.endInclusive\n        else -> this\n    }\n}\n\n/**\n * Ensures that this value lies in the specified [range].\n * \n *
@return this value if it's in the [range], or `range.start` if this value is less than `range.start`, or `range.endInclusive`
if this value is greater than `range.endInclusive`.\n * \n * @sample
samples.comparisons.ComparableOps.coerceInComparable\n *^\npublic fun <T : Comparable<T>>
T.coerceIn(range: ClosedRange<T>): T {\n    if (range is ClosedFloatingPointRange) {\n        return
this.coerceIn<T>(range)\n    }\n    if (range.isEmpty()) throw IllegalArgumentException("Cannot coerce value to an
empty range: $range.")\n    return when {\n        this < range.start -> range.start\n        this > range.endInclusive ->
range.endInclusive\n        else -> this\n    }\n}\n\n/**\n * Ensures that this value lies in the specified [range].\n * \n *
@return this value if it's in the [range], or `range.start` if this value is less than `range.start`, or `range.endInclusive`
if this value is greater than `range.endInclusive`.\n * \n * @sample samples.comparisons.ComparableOps.coerceIn\n
*^\npublic fun Int.coerceIn(range: ClosedRange<Int>): Int {\n    if (range is ClosedFloatingPointRange) {\n
return this.coerceIn<Int>(range)\n    }\n    if (range.isEmpty()) throw IllegalArgumentException("Cannot coerce
value to an empty range: $range.")\n    return when {\n        this < range.start -> range.start\n        this >
range.endInclusive -> range.endInclusive\n        else -> this\n    }\n}\n\n/**\n * Ensures that this value lies in the
specified [range].\n * \n * @return this value if it's in the [range], or `range.start` if this value is less than
`range.start`, or `range.endInclusive` if this value is greater than `range.endInclusive`.\n * \n * @sample
samples.comparisons.ComparableOps.coerceIn\n *^\npublic fun Long.coerceIn(range: ClosedRange<Long>): Long
{\n    if (range is ClosedFloatingPointRange) {\n        return this.coerceIn<Long>(range)\n    }\n    if
(range.isEmpty()) throw IllegalArgumentException("Cannot coerce value to an empty range: $range.")\n    return
when {\n        this < range.start -> range.start\n        this > range.endInclusive -> range.endInclusive\n        else ->
this\n    }\n}\n\n"/\n\n/**\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n *
Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n *^\n\n// Auto-generated file. DO NOT EDIT!\n\npackage kotlin\n\nimport
kotlin.experimental.*\n\n@Suppress("NON_PUBLIC_PRIMARY_CONSTRUCTOR_OF_INLINE_CLASS")\n\n@SinceKotlin("1.3")\n\n@ExperimentalUnsignedTypes\n\npublic inline class UByte @PublishedApi internal

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constructor(@PublishedApi internal val data: Byte) : Comparable<UByte> {\n\n  companion object {\n    /**\n     * A constant holding the minimum value an instance of UByte can have.\n     */\n    public const val MIN_VALUE: UByte = UByte(0)\n\n    /**\n     * A constant holding the maximum value an instance of UByte can have.\n     */\n    public const val MAX_VALUE: UByte = UByte(-1)\n\n    /**\n     * The number of bytes used to represent an instance of UByte in a binary form.\n     */\n    public const val SIZE_BYTES: Int = 1\n\n    /**\n     * The number of bits used to represent an instance of UByte in a binary form.\n     */\n    public const val SIZE_BITS: Int = 8\n  }\n\n  /**\n   * Compares this value with the specified value for order.\n   * Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n   * or a positive number if it's greater than other.\n   */\n  @kotlin.internal.InlineOnly\n  @Suppress("\u0026quot;OVERRIDE_BY_INLINE\u0026quot;)\n  public override inline operator fun compareTo(other: UByte): Int = this.toInt().compareTo(other.toInt())\n\n  /**\n   * Compares this value with the specified value for order.\n   * Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n   * or a positive number if it's greater than other.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun compareTo(other: UShort): Int = this.toInt().compareTo(other.toInt())\n\n  /**\n   * Compares this value with the specified value for order.\n   * Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n   * or a positive number if it's greater than other.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun compareTo(other: UInt): Int = this.toUInt().compareTo(other)\n\n  /**\n   * Compares this value with the specified value for order.\n   * Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n   * or a positive number if it's greater than other.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun compareTo(other: ULong): Int = this.toULong().compareTo(other)\n\n  /**\n   * Adds the other value to this value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun plus(other: UByte): UInt = this.toUInt().plus(other.toUInt())\n\n  /**\n   * Adds the other value to this value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun plus(other: UShort): UInt = this.toUInt().plus(other.toUInt())\n\n  /**\n   * Adds the other value to this value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun plus(other: UInt): UInt = this.toUInt().plus(other)\n\n  /**\n   * Adds the other value to this value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun plus(other: ULong): ULong = this.toULong().plus(other)\n\n  /**\n   * Subtracts the other value from this value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun minus(other: UByte): UInt = this.toUInt().minus(other.toUInt())\n\n  /**\n   * Subtracts the other value from this value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun minus(other: UShort): UInt = this.toUInt().minus(other.toUInt())\n\n  /**\n   * Subtracts the other value from this value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun minus(other: UInt): UInt = this.toUInt().minus(other)\n\n  /**\n   * Subtracts the other value from this value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun minus(other: ULong): ULong = this.toULong().minus(other)\n\n  /**\n   * Multiplies this value by the other value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun times(other: UByte): UInt = this.toUInt().times(other.toUInt())\n\n  /**\n   * Multiplies this value by the other value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun times(other: UShort): UInt = this.toUInt().times(other.toUInt())\n\n  /**\n   * Multiplies this value by the other value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun times(other: UInt): UInt = this.toUInt().times(other)\n\n  /**\n   * Multiplies this value by the other value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun times(other: ULong): ULong = this.toULong().times(other)\n\n  /**\n   * Divides this value by the other value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun div(other: UByte): UInt = this.toUInt().div(other.toUInt())\n\n  /**\n   * Divides this value by the other value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun div(other: UShort): UInt = this.toUInt().div(other.toUInt())\n\n  /**\n   * Divides this value by the other value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun div(other: UInt): UInt = this.toUInt().div(other)\n\n  /**\n   * Divides this value by the other value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun div(other: ULong): ULong = this.toULong().div(other)\n\n  /**\n   * Calculates the remainder of dividing this value by the other value.\n   */\n  @kotlin.internal.InlineOnly\n  public inline operator fun rem(other: UByte): UInt = this.toUInt().rem(other.toUInt())\n\n  /**\n   * Calculates the remainder of dividing this value by the other

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value. *^n @kotlin.internal.InlineOnly^n public inline operator fun rem(other: UShort): UInt =
this.toUInt().rem(other.toUInt())\n /** Calculates the remainder of dividing this value by the other value. *^n
@kotlin.internal.InlineOnly^n public inline operator fun rem(other: UInt): UInt = this.toUInt().rem(other)\n /**
Calculates the remainder of dividing this value by the other value. *^n @kotlin.internal.InlineOnly^n public
inline operator fun rem(other: ULong): ULong = this.toULong().rem(other)\n\n /** Increments this value. *^n
@kotlin.internal.InlineOnly^n public inline operator fun inc(): UByte = UByte(data.inc())\n\n /** Decrements this
value. *^n @kotlin.internal.InlineOnly^n public inline operator fun dec(): UByte = UByte(data.dec())\n\n /**
Creates a range from this value to the specified [other] value. *^n @kotlin.internal.InlineOnly^n public inline
operator fun rangeTo(other: UByte): UIntRange = UIntRange(this.toUInt(), other.toUInt())\n\n /** Performs a
bitwise AND operation between the two values. *^n @kotlin.internal.InlineOnly^n public inline infix fun
and(other: UByte): UByte = UByte(this.data and other.data)\n\n /** Performs a bitwise OR operation between the
two values. *^n @kotlin.internal.InlineOnly^n public inline infix fun or(other: UByte): UByte = UByte(this.data
or other.data)\n\n /** Performs a bitwise XOR operation between the two values. *^n
@kotlin.internal.InlineOnly^n public inline infix fun xor(other: UByte): UByte = UByte(this.data xor other.data)\n
/** Inverts the bits in this value. *^n @kotlin.internal.InlineOnly^n public inline fun inv(): UByte =
UByte(data.inv())\n\n /**\n * Converts this [UByte] value to [Byte].\n * If this value is less than or
equals to [Byte.MAX_VALUE], the resulting `Byte` value represents\n * the same numerical value as this
`UByte`. Otherwise the result is negative.\n * The resulting `Byte` value has the same binary representation
as this `UByte` value.\n *^n @kotlin.internal.InlineOnly^n public inline fun toByte(): Byte = data\n\n /**\n * Converts this [UByte] value to [Short].\n * The resulting `Short` value represents the same numerical
value as this `UByte`.\n * The least significant 8 bits of the resulting `Short` value are the same as the bits
of this `UByte` value,\n * whereas the most significant 8 bits are filled with zeros.\n *^n
@kotlin.internal.InlineOnly^n public inline fun toShort(): Short = data.toShort() and 0xFF\n\n /**\n * Converts
this [UByte] value to [Int].\n * The resulting `Int` value represents the same numerical value as this
`UByte`.\n * The least significant 8 bits of the resulting `Int` value are the same as the bits of this `UByte`
value,\n * whereas the most significant 24 bits are filled with zeros.\n *^n @kotlin.internal.InlineOnly^n
public inline fun toInt(): Int = data.toInt() and 0xFF\n\n /**\n * Converts this [UByte] value to [Long].\n *
The resulting `Long` value represents the same numerical value as this `UByte`.\n * The least significant
8 bits of the resulting `Long` value are the same as the bits of this `UByte` value,\n * whereas the most significant
56 bits are filled with zeros.\n *^n @kotlin.internal.InlineOnly^n public inline fun toLong(): Long =
data.toLong() and 0xFF\n\n /** Returns this value. *^n @kotlin.internal.InlineOnly^n public inline fun
toUByte(): UByte = this\n\n /**\n * Converts this [UByte] value to [UShort].\n * The resulting `UShort`
value represents the same numerical value as this `UByte`.\n * The least significant 8 bits of the resulting
`UShort` value are the same as the bits of this `UByte` value,\n * whereas the most significant 8 bits are filled
with zeros.\n *^n @kotlin.internal.InlineOnly^n public inline fun toUShort(): UShort = UShort(data.toShort()
and 0xFF)\n\n /**\n * Converts this [UByte] value to [UInt].\n * The resulting `UInt` value represents
the same numerical value as this `UByte`.\n * The least significant 8 bits of the resulting `UInt` value are
the same as the bits of this `UByte` value,\n * whereas the most significant 24 bits are filled with zeros.\n *^n
@kotlin.internal.InlineOnly^n public inline fun toUInt(): UInt = UInt(data.toInt() and 0xFF)\n\n /**\n *
Converts this [UByte] value to [ULong].\n * The resulting `ULong` value represents the same numerical
value as this `UByte`.\n * The least significant 8 bits of the resulting `ULong` value are the same as the bits
of this `UByte` value,\n * whereas the most significant 56 bits are filled with zeros.\n *^n
@kotlin.internal.InlineOnly^n public inline fun toULong(): ULong = ULong(data.toLong() and 0xFF)\n\n /**\n *
Converts this [UByte] value to [Float].\n * The resulting `Float` value represents the same numerical
value as this `UByte`.\n *^n @kotlin.internal.InlineOnly^n public inline fun toFloat(): Float =
this.toInt().toFloat()\n\n /**\n * Converts this [UByte] value to [Double].\n * The resulting `Double`
value represents the same numerical value as this `UByte`.\n *^n @kotlin.internal.InlineOnly^n public inline
fun toDouble(): Double = this.toInt().toDouble()\n\n public override fun toString(): String =

```


toInt().toString()\n\n}\n\n/**\n * Converts this [Byte] value to [UByte].\n * If this value is positive, the resulting `UByte` value represents the same numerical value as this `Byte`.\n * The resulting `UByte` value has the same binary representation as this `Byte` value.\n

```
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun Byte.toUByte(): UByte = UByte(this)\n/**\n * Converts this [Short] value to [UByte].\n * If this value is positive and less than or equals to [UByte.MAX_VALUE], the resulting `UByte` value represents\n * the same numerical value as this `Short`.\n * The resulting `UByte` value is represented by the least significant 8 bits of this `Short` value.\n
```

```
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun Short.toUByte(): UByte = UByte(this.toByte())\n/**\n * Converts this [Int] value to [UByte].\n * If this value is positive and less than or equals to [UByte.MAX_VALUE], the resulting `UByte` value represents\n * the same numerical value as this `Int`.\n * The resulting `UByte` value is represented by the least significant 8 bits of this `Int` value.\n
```

```
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun Int.toUByte(): UByte = UByte(this.toByte())\n/**\n * Converts this [Long] value to [UByte].\n * If this value is positive and less than or equals to [UByte.MAX_VALUE], the resulting `UByte` value represents\n * the same numerical value as this `Long`.\n * The resulting `UByte` value is represented by the least significant 8 bits of this `Long` value.\n
```

```
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun Long.toUByte(): UByte = UByte(this.toByte())\n", "/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n// Auto-generated file. DO NOT EDIT!\n\npackage kotlin\n\nimport kotlin.experimental.*\n\n@Suppress("NON_PUBLIC_PRIMARY_CONSTRUCTOR_OF_INLINE_CLASS")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic inline class UInt @PublishedApi internal constructor(@PublishedApi internal val data: Int) : Comparable<UInt> {\n\n    companion object {\n\n        /**\n         * A constant holding the minimum value an instance of UInt can have.\n         */\n        public const val MIN_VALUE: UInt = UInt(0)\n\n        /**\n         * A constant holding the maximum value an instance of UInt can have.\n         */\n        public const val MAX_VALUE: UInt = UInt(-1)\n\n        /**\n         * The number of bytes used to represent an instance of UInt in a binary form.\n         */\n        public const val SIZE_BYTES: Int = 4\n\n        /**\n         * The number of bits used to represent an instance of UInt in a binary form.\n         */\n        public const val SIZE_BITS: Int = 32\n    }\n\n    /**\n     * Compares this value with the specified value for order.\n     * Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n     * or a positive number if it's greater than other.\n     */\n    @kotlin.internal.InlineOnly\n    public inline operator fun compareTo(other: UByte): Int = this.compareTo(other.toUInt())\n\n    /**\n     * Compares this value with the specified value for order.\n     * Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n     * or a positive number if it's greater than other.\n     */\n    @kotlin.internal.InlineOnly\n    public inline operator fun compareTo(other: UShort): Int = this.compareTo(other.toUInt())\n\n    /**\n     * Compares this value with the specified value for order.\n     * Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n     * or a positive number if it's greater than other.\n     */\n    @kotlin.internal.InlineOnly\n    @Suppress("OVERRIDE_BY_INLINE")\n    public override inline operator fun compareTo(other: UInt): Int = uintCompare(this.data, other.data)\n\n    /**\n     * Compares this value with the specified value for order.\n     * Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n     * or a positive number if it's greater than other.\n     */\n    @kotlin.internal.InlineOnly\n    public inline operator fun compareTo(other: ULong): Int = this.toULong().compareTo(other)\n\n    /**\n     * Adds the other value to this value.\n     */\n    @kotlin.internal.InlineOnly\n    public inline operator fun plus(other: UByte): UInt = this.plus(other.toUInt())\n\n    /**\n     * Adds the other value to this value.\n     */\n    @kotlin.internal.InlineOnly\n    public inline operator fun plus(other: UShort): UInt = this.plus(other.toUInt())\n\n    /**\n     * Adds the other value to this value.\n     */\n    @kotlin.internal.InlineOnly\n    public inline operator fun plus(other: UInt): UInt = UInt(this.data.plus(other.data))\n\n    /**\n     * Adds the other value to this value.\n     */\n    @kotlin.internal.InlineOnly\n
```

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public inline operator fun plus(other: ULong): ULong = this.toULong().plus(other)\n\n /** Subtracts the other
value from this value. */\n @kotlin.internal.InlineOnly\n public inline operator fun minus(other: UByte): UInt =
this.minus(other.toUInt())\n /** Subtracts the other value from this value. */\n @kotlin.internal.InlineOnly\n
public inline operator fun minus(other: UShort): UInt = this.minus(other.toUInt())\n /** Subtracts the other value
from this value. */\n @kotlin.internal.InlineOnly\n public inline operator fun minus(other: UInt): UInt =
UInt(this.data.minus(other.data))\n /** Subtracts the other value from this value. */\n
@kotlin.internal.InlineOnly\n public inline operator fun minus(other: ULong): ULong =
this.toULong().minus(other)\n\n /** Multiplies this value by the other value. */\n @kotlin.internal.InlineOnly\n
public inline operator fun times(other: UByte): UInt = this.times(other.toUInt())\n /** Multiplies this value by the
other value. */\n @kotlin.internal.InlineOnly\n public inline operator fun times(other: UShort): UInt =
this.times(other.toUInt())\n /** Multiplies this value by the other value. */\n @kotlin.internal.InlineOnly\n
public inline operator fun times(other: UInt): UInt = UInt(this.data.times(other.data))\n /** Multiplies this value
by the other value. */\n @kotlin.internal.InlineOnly\n public inline operator fun times(other: ULong): ULong =
this.toULong().times(other)\n\n /** Divides this value by the other value. */\n @kotlin.internal.InlineOnly\n
public inline operator fun div(other: UByte): UInt = this.div(other.toUInt())\n /** Divides this value by the other
value. */\n @kotlin.internal.InlineOnly\n public inline operator fun div(other: UShort): UInt =
this.div(other.toUInt())\n /** Divides this value by the other value. */\n @kotlin.internal.InlineOnly\n public
inline operator fun div(other: UInt): UInt = uintDivide(this, other)\n /** Divides this value by the other value. */\n
@kotlin.internal.InlineOnly\n public inline operator fun div(other: ULong): ULong =
this.toULong().div(other)\n\n /** Calculates the remainder of dividing this value by the other value. */\n
@kotlin.internal.InlineOnly\n public inline operator fun rem(other: UByte): UInt = this.rem(other.toUInt())\n /**
Calculates the remainder of dividing this value by the other value. */\n @kotlin.internal.InlineOnly\n public
inline operator fun rem(other: UShort): UInt = this.rem(other.toUInt())\n /** Calculates the remainder of dividing
this value by the other value. */\n @kotlin.internal.InlineOnly\n public inline operator fun rem(other: UInt): UInt
= uintRemainder(this, other)\n /** Calculates the remainder of dividing this value by the other value. */\n
@kotlin.internal.InlineOnly\n public inline operator fun rem(other: ULong): ULong =
this.toULong().rem(other)\n\n /** Increments this value. */\n @kotlin.internal.InlineOnly\n public inline
operator fun inc(): UInt = UInt(data.inc())\n /** Decrements this value. */\n @kotlin.internal.InlineOnly\n
public inline operator fun dec(): UInt = UInt(data.dec())\n\n /** Creates a range from this value to the specified
[other] value. */\n @kotlin.internal.InlineOnly\n public inline operator fun rangeTo(other: UInt): UIntRange =
UIntRange(this, other)\n\n /** Shifts this value left by the [bitCount] number of bits. */\n
@kotlin.internal.InlineOnly\n public inline infix fun shl(bitCount: Int): UInt = UInt(data shl bitCount)\n /**
Shifts this value right by the [bitCount] number of bits, filling the leftmost bits with zeros. */\n
@kotlin.internal.InlineOnly\n public inline infix fun shr(bitCount: Int): UInt = UInt(data ushr bitCount)\n /**
Performs a bitwise AND operation between the two values. */\n @kotlin.internal.InlineOnly\n public inline infix
fun and(other: UInt): UInt = UInt(this.data and other.data)\n /** Performs a bitwise OR operation between the two
values. */\n @kotlin.internal.InlineOnly\n public inline infix fun or(other: UInt): UInt = UInt(this.data or
other.data)\n /** Performs a bitwise XOR operation between the two values. */\n @kotlin.internal.InlineOnly\n
public inline infix fun xor(other: UInt): UInt = UInt(this.data xor other.data)\n /** Inverts the bits in this value.
*/\n @kotlin.internal.InlineOnly\n public inline fun inv(): UInt = UInt(data.inv())\n\n /**\n * Converts this
[UInt] value to [Byte].\n * If this value is less than or equals to [Byte.MAX_VALUE], the resulting `Byte`
value represents\n * the same numerical value as this `UInt`.\n * The resulting `Byte` value is
represented by the least significant 8 bits of this `UInt` value.\n * Note that the resulting `Byte` value may be
negative.\n */\n @kotlin.internal.InlineOnly\n public inline fun toByte(): Byte = data.toByte()\n\n /**\n *
Converts this [UInt] value to [Short].\n * If this value is less than or equals to [Short.MAX_VALUE], the
resulting `Short` value represents\n * the same numerical value as this `UInt`.\n * The resulting `Short`
value is represented by the least significant 16 bits of this `UInt` value.\n * Note that the resulting `Short`
value may be negative.\n */\n @kotlin.internal.InlineOnly\n public inline fun toShort(): Short = data.toShort()\n

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/**
 * Converts this [UInt] value to [Int].
 * If this value is less than or equals to [Int.MAX_VALUE],
the resulting `Int` value represents
 * the same numerical value as this `UInt`. Otherwise the result is negative.
 * The resulting `Int` value has the same binary representation as this `UInt` value.
@kotlin.internal.InlineOnly
 public inline fun toInt(): Int = data
 /**
 * Converts this [UInt] value to
 [Long].
 * The resulting `Long` value represents the same numerical value as this `UInt`.
 * The
least significant 32 bits of the resulting `Long` value are the same as the bits of this `UInt` value,
 * whereas the
most significant 32 bits are filled with zeros.
 *
@kotlin.internal.InlineOnly
 public inline fun toLong():
 Long = data.toLong() and 0xFFFF_FFFF
 /**
 * Converts this [UInt] value to [UByte].
 * If this
value is less than or equals to [UByte.MAX_VALUE], the resulting `UByte` value represents
 * the same
numerical value as this `UInt`.
 * The resulting `UByte` value is represented by the least significant 8 bits
of this `UInt` value.
 *
@kotlin.internal.InlineOnly
 public inline fun toUByte(): UByte =
data.toUByte()
 /**
 * Converts this [UInt] value to [UShort].
 * If this value is less than or equals
to [UShort.MAX_VALUE], the resulting `UShort` value represents
 * the same numerical value as this `UInt`.
 * The resulting `UShort` value is represented by the least significant 16 bits of this `UInt` value.
 *
@kotlin.internal.InlineOnly
 public inline fun toUShort(): UShort = data.toUShort()
 /** Returns this value.
 *
@kotlin.internal.InlineOnly
 public inline fun toUInt(): UInt = this
 /**
 * Converts this [UInt] value
to [ULong].
 * The resulting `ULong` value represents the same numerical value as this `UInt`.
 *
 * The least significant 32 bits of the resulting `ULong` value are the same as the bits of this `UInt` value,
 *
 * whereas the most significant 32 bits are filled with zeros.
 *
@kotlin.internal.InlineOnly
 public inline
fun toULong(): ULong = ULong(data.toLong() and 0xFFFF_FFFF)
 /**
 * Converts this [UInt] value to
[Float].
 * The resulting value is the closest `Float` to this `UInt` value.
 * In case when this `UInt`
value is exactly between two `Float`s,
 * the one with zero at least significant bit of mantissa is selected.
 *
@kotlin.internal.InlineOnly
 public inline fun toFloat(): Float = this.toDouble().toFloat()
 /**
 * Converts
this [UInt] value to [Double].
 * The resulting `Double` value represents the same numerical value as this
`UInt`.
 *
@kotlin.internal.InlineOnly
 public inline fun toDouble(): Double = uintToDouble(data)
 public override fun toString(): String = toLong().toString()
 /**
 * Converts this [Byte] value to [UInt].
 *
 * If this value is positive, the resulting `UInt` value represents the same numerical value as this `Byte`.
 *
 * The least significant 8 bits of the resulting `UInt` value are the same as the bits of this `Byte` value,
 * whereas the
most significant 24 bits are filled with the sign bit of this value.
 *
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun
Byte.toUInt(): UInt = UInt(this.toInt())
 /**
 * Converts this [Short] value to [UInt].
 * If this value is
positive, the resulting `UInt` value represents the same numerical value as this `Short`.
 *
 * The least significant
16 bits of the resulting `UInt` value are the same as the bits of this `Short` value,
 * whereas the most significant 16
bits are filled with the sign bit of this value.
 *
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun
Short.toUInt(): UInt = UInt(this.toInt())
 /**
 * Converts this [Int] value to [UInt].
 * If this value is positive,
the resulting `UInt` value represents the same numerical value as this `Int`.
 *
 * The resulting `UInt` value has the
same binary representation as this `Int` value.
 *
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun
Int.toUInt(): UInt = UInt(this)
 /**
 * Converts this [Long] value to [UInt].
 * If this value is positive and less
than or equals to [UInt.MAX_VALUE], the resulting `UInt` value represents
 * the same numerical value as this
`Long`.
 *
 * The resulting `UInt` value is represented by the least significant 32 bits of this `Long` value.
 *
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun
Long.toUInt(): UInt = UInt(this.toInt())
 /**
 * Converts this [Float] value to [UInt].
 * The fractional part,
if any, is rounded down towards zero.
 * Returns zero if this `Float` value is negative or `NaN`,
 [UInt.MAX_VALUE] if it's bigger than `UInt.MAX_VALUE`.
 *
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun
Float.toUInt(): UInt = doubleToUInt(this.toDouble())
 /**
 * Converts this [Double] value to [UInt].
 * The

```

fractional part, if any, is rounded down towards zero.\n * Returns zero if this `Double` value is negative or `NaN`, [UInt.MAX_VALUE] if it's bigger than `UInt.MAX_VALUE`.\n

```

*\/n@SinceKotlin("1.3")n@ExperimentalUnsignedTypesn@kotlin.internal.InlineOnlynpublic inline fun
Double.toUInt(): UInt = doubleToUInt(this)n", /*\/n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin
Programming Language contributors.n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.n *\/n// Auto-generated file. DO NOT EDIT!npackage kotlin\nimport
kotlin.experimental.*n@Suppress("NON_PUBLIC_PRIMARY_CONSTRUCTOR_OF_INLINE_CLASS")n@
SinceKotlin("1.3")n@ExperimentalUnsignedTypesnpublic inline class UShort @PublishedApi internal
constructor(@PublishedApi internal val data: Short) : Comparable<UShort> {n    companion object {n        /*\/n
        * A constant holding the minimum value an instance of UShort can have.n        /*\/n        public const val
MIN_VALUE: UShort = UShort(0)n        /*\/n        * A constant holding the maximum value an instance of
UShort can have.n        /*\/n        public const val MAX_VALUE: UShort = UShort(-1)n        /*\/n        * The
number of bytes used to represent an instance of UShort in a binary form.n        /*\/n        public const val
SIZE_BYTES: Int = 2n        /*\/n        * The number of bits used to represent an instance of UShort in a binary
form.n        /*\/n        public const val SIZE_BITS: Int = 16n    }n    /*\/n        * Compares this value with the
specified value for order.n        * Returns zero if this value is equal to the specified other value, a negative number if
it's less than other,        * or a positive number if it's greater than other.n        /*\/n        @kotlin.internal.InlineOnlyn
public inline operator fun compareTo(other: UByte): Int = this.toInt().compareTo(other.toInt())n        /*\/n        *
Compares this value with the specified value for order.n        * Returns zero if this value is equal to the specified other
value, a negative number if it's less than other,        * or a positive number if it's greater than other.n        /*\/n
        @kotlin.internal.InlineOnlyn        @Suppress("OVERRIDE_BY_INLINE")n        public override inline operator fun
compareTo(other: UShort): Int = this.toInt().compareTo(other.toInt())n        /*\/n        * Compares this value with the
specified value for order.n        * Returns zero if this value is equal to the specified other value, a negative number if
it's less than other,        * or a positive number if it's greater than other.n        /*\/n        @kotlin.internal.InlineOnlyn
public inline operator fun compareTo(other: UInt): Int = this.toUInt().compareTo(other)n        /*\/n        * Compares
this value with the specified value for order.n        * Returns zero if this value is equal to the specified other value, a
negative number if it's less than other,        * or a positive number if it's greater than other.n        /*\/n
        @kotlin.internal.InlineOnlyn        public inline operator fun compareTo(other: ULong): Int =
this.toULong().compareTo(other)n        /*\/n        * Adds the other value to this value.        /*\/n        @kotlin.internal.InlineOnlyn
public inline operator fun plus(other: UByte): UInt = this.toUInt().plus(other.toUInt())n        /*\/n        * Adds the other value
to this value.        /*\/n        @kotlin.internal.InlineOnlyn        public inline operator fun plus(other: UShort): UInt =
this.toUInt().plus(other.toUInt())n        /*\/n        * Adds the other value to this value.        /*\/n        @kotlin.internal.InlineOnlyn
public inline operator fun plus(other: UInt): UInt = this.toUInt().plus(other)n        /*\/n        * Adds the other value to this
value.        /*\/n        @kotlin.internal.InlineOnlyn        public inline operator fun plus(other: ULong): ULong =
this.toULong().plus(other)n        /*\/n        * Subtracts the other value from this value.        /*\/n        @kotlin.internal.InlineOnlyn
public inline operator fun minus(other: UByte): UInt = this.toUInt().minus(other.toUInt())n        /*\/n        * Subtracts the
other value from this value.        /*\/n        @kotlin.internal.InlineOnlyn        public inline operator fun minus(other: UShort):
UInt = this.toUInt().minus(other.toUInt())n        /*\/n        * Subtracts the other value from this value.        /*\/n
        @kotlin.internal.InlineOnlyn        public inline operator fun minus(other: UInt): UInt = this.toUInt().minus(other)n
        /*\/n        * Subtracts the other value from this value.        /*\/n        @kotlin.internal.InlineOnlyn        public inline operator fun
minus(other: ULong): ULong = this.toULong().minus(other)n        /*\/n        * Multiplies this value by the other value.        /*\/n
        @kotlin.internal.InlineOnlyn        public inline operator fun times(other: UByte): UInt =
this.toUInt().times(other.toUInt())n        /*\/n        * Multiplies this value by the other value.        /*\/n
        @kotlin.internal.InlineOnlyn        public inline operator fun times(other: UShort): UInt =
this.toUInt().times(other.toUInt())n        /*\/n        * Multiplies this value by the other value.        /*\/n
        @kotlin.internal.InlineOnlyn        public inline operator fun times(other: UInt): UInt = this.toUInt().times(other)n
        /*\/n        * Multiplies this value by the other value.        /*\/n        @kotlin.internal.InlineOnlyn        public inline operator fun
times(other: ULong): ULong = this.toULong().times(other)n        /*\/n        * Divides this value by the other value.        /*\/n

```

```

@kotlin.internal.InlineOnly\n    public inline operator fun div(other: UByte): UInt =
this.toUInt().div(other.toUInt())\n    /** Divides this value by the other value. */\n    @kotlin.internal.InlineOnly\npublic inline operator fun div(other: UShort): UInt = this.toUInt().div(other.toUInt())\n    /** Divides this value by
the other value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun div(other: UInt): UInt =
this.toUInt().div(other)\n    /** Divides this value by the other value. */\n    @kotlin.internal.InlineOnly\n    public
inline operator fun div(other: ULong): ULong = this.toULong().div(other)\n    /** Calculates the remainder of
dividing this value by the other value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun rem(other:
UByte): UInt = this.toUInt().rem(other.toUInt())\n    /** Calculates the remainder of dividing this value by the other
value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun rem(other: UShort): UInt =
this.toUInt().rem(other.toUInt())\n    /** Calculates the remainder of dividing this value by the other value. */\n
    @kotlin.internal.InlineOnly\n    public inline operator fun rem(other: UInt): UInt = this.toUInt().rem(other)\n    /**
Calculates the remainder of dividing this value by the other value. */\n    @kotlin.internal.InlineOnly\n    public
inline operator fun rem(other: ULong): ULong = this.toULong().rem(other)\n    /** Increments this value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun inc(): UShort = UShort(data.inc())\n    /** Decrements
this value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun dec(): UShort = UShort(data.dec())\n    /**
Creates a range from this value to the specified [other] value. */\n    @kotlin.internal.InlineOnly\n    public inline
operator fun rangeTo(other: UShort): UIntRange = UIntRange(this.toUInt(), other.toUInt())\n    /** Performs a
bitwise AND operation between the two values. */\n    @kotlin.internal.InlineOnly\n    public inline infix fun
and(other: UShort): UShort = UShort(this.data and other.data)\n    /** Performs a bitwise OR operation between the
two values. */\n    @kotlin.internal.InlineOnly\n    public inline infix fun or(other: UShort): UShort =
UShort(this.data or other.data)\n    /** Performs a bitwise XOR operation between the two values. */\n    @kotlin.internal.InlineOnly\n    public inline infix fun xor(other: UShort): UShort = UShort(this.data xor
other.data)\n    /** Inverts the bits in this value. */\n    @kotlin.internal.InlineOnly\n    public inline fun inv():
UShort = UShort(data.inv())\n    /**\n     * Converts this [UShort] value to [Byte].\n     * \n     * If this value is less
than or equals to [Byte.MAX_VALUE], the resulting `Byte` value represents\n     * the same numerical value as this
`UShort`.\n     * \n     * The resulting `Byte` value is represented by the least significant 8 bits of this `UShort`
value.\n     * \n     * Note that the resulting `Byte` value may be negative.\n     */\n    @kotlin.internal.InlineOnly\n    public inline fun toByte(): Byte = data.toByte()\n    /**\n     * Converts this [UShort] value to [Short].\n     * \n     * If this
value is less than or equals to [Short.MAX_VALUE], the resulting `Short` value represents\n     * the same
numerical value as this `UShort`. Otherwise the result is negative.\n     * \n     * The resulting `Short` value has the
same binary representation as this `UShort` value.\n     */\n    @kotlin.internal.InlineOnly\n    public inline fun
toShort(): Short = data\n    /**\n     * Converts this [UShort] value to [Int].\n     * \n     * The resulting `Int`
value represents the same numerical value as this `UShort`.\n     * \n     * The least significant 16 bits of the resulting `Int`
value are the same as the bits of this `UShort` value,\n     * whereas the most significant 16 bits are filled with
zeros.\n     */\n    @kotlin.internal.InlineOnly\n    public inline fun toInt(): Int = data.toInt() and 0xFFFF\n    /**\n     *
Converts this [UShort] value to [Long].\n     * \n     * The resulting `Long` value represents the same numerical
value as this `UShort`.\n     * \n     * The least significant 16 bits of the resulting `Long` value are the same as the bits
of this `UShort` value,\n     * whereas the most significant 48 bits are filled with zeros.\n     */\n    @kotlin.internal.InlineOnly\n    public inline fun toLong(): Long = data.toLong() and 0xFFFF\n    /**\n     *
Converts this [UShort] value to [UByte].\n     * \n     * If this value is less than or equals to [UByte.MAX_VALUE],
the resulting `UByte` value represents\n     * the same numerical value as this `UShort`.\n     * \n     * The resulting
`UByte` value is represented by the least significant 8 bits of this `UShort` value.\n     */\n    @kotlin.internal.InlineOnly\n    public inline fun toUByte(): UByte = data.toUByte()\n    /** Returns this value. */\n    @kotlin.internal.InlineOnly\n    public inline fun toUShort(): UShort = this\n    /**\n     * Converts this [UShort]
value to [UInt].\n     * \n     * The resulting `UInt` value represents the same numerical value as this `UShort`.\n     *
\n     * The least significant 16 bits of the resulting `UInt` value are the same as the bits of this `UShort` value,\n     *
whereas the most significant 16 bits are filled with zeros.\n     */\n    @kotlin.internal.InlineOnly\n    public inline
fun toUInt(): UInt = UInt(data.toInt() and 0xFFFF)\n    /**\n     * Converts this [UShort] value to [ULong].\n     * \n

```

```

 * The resulting `ULong` value represents the same numerical value as this `UShort`.
 * The least significant 16 bits of the resulting `ULong` value are the same as the bits of this `UShort` value,
 * whereas the most significant 48 bits are filled with zeros.
 * @kotlin.internal.InlineOnly
 public inline fun toULong(): ULong = ULong(data.toLong() and 0xFFFF)
 /**
 * Converts this [UShort] value to [Float].
 * The resulting `Float` value represents the same numerical value as this `UShort`.
 * @kotlin.internal.InlineOnly
 public inline fun toFloat(): Float = this.toInt().toFloat()
 /**
 * Converts this [UShort] value to [Double].
 * The resulting `Double` value represents the same numerical value as this `UShort`.
 * @kotlin.internal.InlineOnly
 public inline fun toDouble(): Double = this.toInt().toDouble()
 public override fun toString(): String = toInt().toString()
}
/**
 * Converts this [Byte] value to [UShort].
 * If this value is positive, the resulting `UShort` value represents the same numerical value as this `Byte`.
 * The least significant 8 bits of the resulting `UShort` value are the same as the bits of this `Byte` value,
 * whereas the most significant 8 bits are filled with the sign bit of this value.
 * @SinceKotlin("1.3")
 @ExperimentalUnsignedTypes
 @kotlin.internal.InlineOnly
 public inline fun Byte.toUShort(): UShort = UShort(this.toShort())
 /**
 * Converts this [Short] value to [UShort].
 * If this value is positive, the resulting `UShort` value represents the same numerical value as this `Short`.
 * The resulting `UShort` value has the same binary representation as this `Short` value.
 * @SinceKotlin("1.3")
 @ExperimentalUnsignedTypes
 @kotlin.internal.InlineOnly
 public inline fun Short.toUShort(): UShort = UShort(this)
 /**
 * Converts this [Int] value to [UShort].
 * If this value is positive and less than or equals to [UShort.MAX_VALUE], the resulting `UShort` value represents
 * the same numerical value as this `Int`.
 * The resulting `UShort` value is represented by the least significant 16 bits of this `Int` value.
 * @SinceKotlin("1.3")
 @ExperimentalUnsignedTypes
 @kotlin.internal.InlineOnly
 public inline fun Int.toUShort(): UShort = UShort(this.toShort())
 /**
 * Converts this [Long] value to [UShort].
 * If this value is positive and less than or equals to [UShort.MAX_VALUE], the resulting `UShort` value represents
 * the same numerical value as this `Long`.
 * The resulting `UShort` value is represented by the least significant 16 bits of this `Long` value.
 * @SinceKotlin("1.3")
 @ExperimentalUnsignedTypes
 @kotlin.internal.InlineOnly
 public inline fun Long.toUShort(): UShort = UShort(this.toShort())
}
/**
 * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.
 * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
 * @n// Auto-generated file. DO NOT EDIT!
 */
package kotlin.ranges
/**
 * A range of values of type `Char`.
 */
public class CharRange(start: Char, endInclusive: Char) : CharProgression(start, endInclusive, 1), ClosedRange<Char> {
    override val start: Char get() = first
    override val endInclusive: Char get() = last
    override fun contains(value: Char): Boolean = first <= value && value <= last
    override fun isEmpty(): Boolean = first > last
    override fun equals(other: Any?): Boolean =
        other is CharRange && (isEmpty() && other.isEmpty() || first == other.first && last == other.last)
    override fun hashCode(): Int =
        if (isEmpty()) -1 else (31 * first.toInt() + last.toInt())
    override fun toString(): String = "$first..$last"
}
/**
 * An empty range of values of type Char.
 */
public val EMPTY: CharRange = CharRange(1.toChar(), 0.toChar())
}
/**
 * A range of values of type `Int`.
 */
public class IntRange(start: Int, endInclusive: Int) : IntProgression(start, endInclusive, 1), ClosedRange<Int> {
    override val start: Int get() = first
    override val endInclusive: Int get() = last
    override fun contains(value: Int): Boolean = first <= value && value <= last
    override fun isEmpty(): Boolean = first > last
    override fun equals(other: Any?): Boolean =
        other is IntRange && (isEmpty() && other.isEmpty() || first == other.first && last == other.last)
    override fun hashCode(): Int =
        if (isEmpty()) -1 else (31 * first + last)
    override fun toString(): String = "$first..$last"
}
/**
 * An empty range of values of type Int.
 */
public val EMPTY: IntRange = IntRange(1, 0)
}
/**
 * A range of values of type `Long`.
 */
public class LongRange(start: Long, endInclusive: Long) : LongProgression(start, endInclusive, 1), ClosedRange<Long> {
    override val start: Long get() = first
    override val endInclusive: Long get() = last
    override fun contains(value: Long): Boolean = first <= value && value <= last
    override fun isEmpty(): Boolean = first > last
    override fun equals(other: Any?): Boolean =

```

```

other is LongRange && (isEmpty() && other.isEmpty() ||\n    first == other.first && last == other.last)\n\n
override fun hashCode(): Int =\n    if (isEmpty()) -1 else (31 * (first xor (first ushr 32)) + (last xor (last ushr
32))).toInt()\n\n
override fun toString(): String = \"$first..$last\"\n\n
companion object {\n    /** An empty
range of values of type Long. */\n    public val EMPTY: LongRange = LongRange(1, 0)\n    }\n\n
}"/*\n *
Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is
governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\n
@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("CollectionsKt")\n\npackage
kotlin.collections\n\nimport kotlin.contracts.*\n\ninternal object EmptyIterator : ListIterator<Nothing> {\n
override fun hasNext(): Boolean = false\n
override fun hasPrevious(): Boolean = false\n
override fun
nextIndex(): Int = 0\n
override fun previousIndex(): Int = -1\n
override fun next(): Nothing = throw
NoSuchElementException()\n
override fun previous(): Nothing = throw
NoSuchElementException()\n\n}\n\ninternal object EmptyList : List<Nothing>, Serializable, RandomAccess {\n
private const val serialVersionUID: Long = -7390468764508069838L\n\n
override fun equals(other: Any?):
Boolean = other is List<*> && other.isEmpty()\n\n
override fun hashCode(): Int = 1\n\n
override fun toString():
String = "[]"\n\n
override val size: Int get() = 0\n\n
override fun isEmpty(): Boolean = true\n\n
override fun
contains(element: Nothing): Boolean = false\n\n
override fun containsAll(elements: Collection<Nothing>): Boolean
= elements.isEmpty()\n\n
override fun get(index: Int): Nothing = throw IndexOutOfBoundsException("Empty list
doesn't contain element at index $index.")\n\n
override fun indexOf(element: Nothing): Int = -1\n\n
override fun
lastIndexOf(element: Nothing): Int = -1\n\n
override fun iterator(): Iterator<Nothing> = EmptyIterator\n\n
override fun listIterator(): ListIterator<Nothing> = EmptyIterator\n\n
override fun listIterator(index: Int):
ListIterator<Nothing> {\n    if (index != 0) throw IndexOutOfBoundsException("Index: $index")\n    return
EmptyIterator\n    }\n\n
override fun subList(fromIndex: Int, toIndex: Int): List<Nothing> {\n    if (fromIndex
== 0 && toIndex == 0) return this\n    throw IndexOutOfBoundsException("fromIndex: $fromIndex, toIndex:
$toIndex")\n    }\n\n
private fun readResolve(): Any = EmptyList\n\n}\n\ninternal fun <T> Array<out
T>.asCollection(): Collection<T> = ArrayAsCollection(this, isVarargs = false)\n\nprivate class
ArrayAsCollection<T>(val values: Array<out T>, val isVarargs: Boolean) : Collection<T> {\n
override val size:
Int get() = values.size\n\n
override fun isEmpty(): Boolean = values.isEmpty()\n\n
override fun contains(element:
T): Boolean = values.contains(element)\n\n
override fun containsAll(elements: Collection<T>): Boolean =
elements.all { contains(it) }\n\n
override fun iterator(): Iterator<T> = values.iterator()\n\n
// override hidden toArray
implementation to prevent copying of values array\n\n
public fun toArray(): Array<out Any?> =
values.copyToArrayOfAny(isVarargs)\n\n}\n\n/**\n * Returns an empty read-only list. The returned list is
serializable (JVM).\n * @sample samples.collections.Collections.Lists.emptyReadOnlyList\n */\n\npublic fun <T>
emptyList(): List<T> = EmptyList\n\n/**\n * Returns a new read-only list of given elements. The returned list is
serializable (JVM).\n * @sample samples.collections.Collections.Lists.readOnlyList\n */\n\npublic fun <T>
listOf(vararg elements: T): List<T> = if (elements.size > 0) elements.asList() else emptyList()\n\n/**\n * Returns an
empty read-only list. The returned list is serializable (JVM).\n * @sample
samples.collections.Collections.Lists.emptyReadOnlyList\n */\n\n@kotl.in.internal.InlineOnly\n\npublic inline fun <T>
listOf(): List<T> = emptyList()\n\n/**\n * Returns an empty new [MutableList].\n * @sample
samples.collections.Collections.Lists.emptyMutableList\n
*/\n\n@SinceKotlin("1.1")\n@kotl.in.internal.InlineOnly\n\npublic inline fun <T> mutableListOf(): MutableList<T> =
ArrayList()\n\n/**\n * Returns an empty new [ArrayList].\n * @sample
samples.collections.Collections.Lists.emptyArrayList\n
*/\n\n@SinceKotlin("1.1")\n@kotl.in.internal.InlineOnly\n\npublic inline fun <T> arrayListOf(): ArrayList<T> =
ArrayList()\n\n/**\n * Returns a new [MutableList] with the given elements.\n * @sample
samples.collections.Collections.Lists.mutableList\n */\n\npublic fun <T> mutableListOf(vararg elements: T):
MutableList<T> =\n    if (elements.size == 0) ArrayList() else ArrayList(ArrayAsCollection(elements, isVarargs =
true))\n\n/**\n * Returns a new [ArrayList] with the given elements.\n * @sample
samples.collections.Collections.Lists.arrayList\n */\n\npublic fun <T> arrayListOf(vararg elements: T): ArrayList<T>

```

```

= \n if (elements.size == 0) ArrayList() else ArrayList(ArrayAsCollection(elements, isVarargs = true))\n\n/**\n *
Returns a new read-only list either of single given element, if it is not null, or empty list if the element is null. The
returned list is serializable (JVM).\n * @sample samples.collections.Collections.Lists.listOfNotNull\n */\npublic fun
<T : Any> listOfNotNull(element: T?): List<T> = if (element != null) listOf(element) else emptyList()\n\n/**\n *
Returns a new read-only list only of those given elements, that are not null. The returned list is serializable
(JVM).\n * @sample samples.collections.Collections.Lists.listOfNotNull\n */\npublic fun <T : Any>
listOfNotNull(vararg elements: T?): List<T> = elements.filterNotNull()\n\n/**\n * Creates a new read-only list with
the specified [size], where each element is calculated by calling the specified\n * [init] function.\n * The
function [init] is called for each list element sequentially starting from the first one.\n * It should return the value for
a list element given its index.\n * @sample samples.collections.Collections.Lists.readOnlyListFromInitializer\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun <T> List(size: Int, init: (index: Int) -> T):
List<T> = MutableList(size, init)\n\n/**\n * Creates a new mutable list with the specified [size], where each element
is calculated by calling the specified\n * [init] function.\n * The function [init] is called for each list element
sequentially starting from the first one.\n * It should return the value for a list element given its index.\n *
@sample samples.collections.Collections.Lists.mutableListFromInitializer\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun <T> MutableList(size: Int, init: (index:
Int) -> T): MutableList<T> {\n    val list = ArrayList<T>(size)\n    repeat(size) { index -> list.add(init(index)) }\n
return list\n}\n\n/**\n * Returns an [IntRange] of the valid indices for this collection.\n * @sample
samples.collections.Collections.Collections.indicesOfCollection\n */\npublic val Collection<*>.indices: IntRange\n
get() = 0..size - 1\n\n/**\n * Returns the index of the last item in the list or -1 if the list is empty.\n * @sample
samples.collections.Collections.Collections.lastIndexOfList\n */\npublic val <T> List<T>.lastIndex: Int\n
get() =
this.size - 1\n\n/**\n * Returns `true` if the collection is not empty.\n * @sample
samples.collections.Collections.Collections.collectionIsNotEmpty\n */\n@kotlin.internal.InlineOnly\npublic inline
fun <T> Collection<T>.isNotEmpty(): Boolean = !isEmpty()\n\n/**\n * Returns `true` if this nullable collection is
either null or empty.\n * @sample samples.collections.Collections.Collections.collectionIsNullOrEmpty\n
*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun <T> Collection<T>?.isNullOrEmpty():
Boolean {\n    contract {\n        returns(false) implies (this@isNullOrEmpty != null)\n    }\n    return this == null ||
this.isEmpty()\n}\n\n/**\n * Returns this Collection if it's not `null` and the empty list otherwise.\n * @sample
samples.collections.Collections.Collections.collectionOrElse\n */\n@kotlin.internal.InlineOnly\npublic inline fun
<T> Collection<T>?.orElse(): Collection<T> = this ?: emptyList()\n\n/**\n * Returns this List if it's not `null` and
the empty list otherwise.\n * @sample samples.collections.Collections.Collections.listOrElse\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun <T> List<T>?.orElse(): List<T> = this ?: emptyList()\n\n/**\n *
Returns this collection if it's not empty\n * or the result of calling [defaultValue] function if the collection is
empty.\n * @sample samples.collections.Collections.Collections.collectionIfEmpty\n
*/\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun <C, R> C.ifEmpty(defaultValue: () ->
R): R where C : Collection<*>, C : R =\n    if (isEmpty()) defaultValue() else this\n\n\n/**\n * Checks if all
elements in the specified collection are contained in this collection.\n * Allows to overcome type-safety
restriction of `containsAll` that requires to pass a collection of type `Collection<E>`.\n * @sample
samples.collections.Collections.Collections.collectionContainsAll\n
*/\n@Suppress("EXTENSION_SHADOWED_BY_MEMBER") // false warning, extension takes precedence in
some cases\n@kotlin.internal.InlineOnly\npublic inline fun <@kotlin.internal.OnlyInputTypes T>
Collection<T>.containsAll(elements: Collection<T>): Boolean = this.containsAll(elements)\n\ninternal fun <T>
List<T>.optimizeReadOnlyList() = when (size) {\n    0 -> emptyList()\n    1 -> listOf(this[0])\n    else ->
this\n}\n\n/**\n * Searches this list or its range for the provided [element] using the binary search algorithm.\n * The
list is expected to be sorted into ascending order according to the Comparable natural ordering of its elements,\n *
otherwise the result is undefined.\n * If the list contains multiple elements equal to the specified [element], there
is no guarantee which one will be found.\n * `null` value is considered to be less than any non-null value.\n *
@return the index of the element, if it is contained in the list within the specified range;\n * otherwise, the inverted

```



```

insertion point `(-insertion point - 1)`.n * The insertion point is defined as the index at which the element should be
inserted,n * so that the list (or the specified subrange of list) still remains sorted.n * @sample
samples.collections.Collections.Lists.binarySearchOnComparable.n * @sample
samples.collections.Collections.Lists.binarySearchWithBoundaries.n */npublic fun <T : Comparable<T>>
List<T?>.binarySearch(element: T?, fromIndex: Int = 0, toIndex: Int = size): Int {n   rangeCheck(size, fromIndex,
toIndex)n   var low = fromIndex\n   var high = toIndex - 1\n   while (low <= high) {n     val mid = (low +
high).ushr(1) // safe from overflows\n     val midVal = get(mid)\n     val cmp = compareValues(midVal,
element)\n     if (cmp < 0)\n       low = mid + 1\n     else if (cmp > 0)\n       high = mid - 1\n     else\n       return mid // key found\n   }n   return -(low + 1) // key not found\n}\n/n/**n * Searches this list or its range
for the provided [element] using the binary search algorithm.n * The list is expected to be sorted into ascending
order according to the specified [comparator],n * otherwise the result is undefined.n *n * If the list contains
multiple elements equal to the specified [element], there is no guarantee which one will be found.n *n * `null`
value is considered to be less than any non-null value.n *n * @return the index of the element, if it is contained in
the list within the specified range;n * otherwise, the inverted insertion point `(-insertion point - 1)`.n * The
insertion point is defined as the index at which the element should be inserted,n * so that the list (or the specified
subrange of list) still remains sorted according to the specified [comparator].n * @sample
samples.collections.Collections.Lists.binarySearchWithComparator.n */npublic fun <T>
List<T>.binarySearch(element: T, comparator: Comparator<in T>, fromIndex: Int = 0, toIndex: Int = size): Int {n
rangeCheck(size, fromIndex, toIndex)n   var low = fromIndex\n   var high = toIndex - 1\n   while (low <=
high) {n     val mid = (low + high).ushr(1) // safe from overflows\n     val midVal = get(mid)\n     val cmp =
comparator.compare(midVal, element)\n     if (cmp < 0)\n       low = mid + 1\n     else if (cmp > 0)\n
high = mid - 1\n     else\n       return mid // key found\n   }n   return -(low + 1) // key not found\n}\n/n/**n *
Searches this list or its range for an element having the key returned by the specified [selector] function\n * equal to
the provided [key] value using the binary search algorithm.n * The list is expected to be sorted into ascending order
according to the Comparable natural ordering of keys of its elements.n * otherwise the result is undefined.n *n * If
the list contains multiple elements with the specified [key], there is no guarantee which one will be found.n *n *
`null` value is considered to be less than any non-null value.n *n * @return the index of the element with the
specified [key], if it is contained in the list within the specified range;n * otherwise, the inverted insertion point
`(-insertion point - 1)`.n * The insertion point is defined as the index at which the element should be inserted,n * so
that the list (or the specified subrange of list) still remains sorted.n * @sample
samples.collections.Collections.Lists.binarySearchByKey.n */npublic inline fun <T, K : Comparable<K>>
List<T>.binarySearchBy(\n   key: K?,\n   fromIndex: Int = 0,\n   toIndex: Int = size,\n   crossinline selector: (T) ->
K?)\n): Int =\n   binarySearch(fromIndex, toIndex) { compareValues(selector(it), key) }\n/n// do not introduce this
overload --- too rare\n//public fun <T, K> List<T>.binarySearchBy(key: K, comparator: Comparator<K>,
fromIndex: Int = 0, toIndex: Int = size(), selector: (T) -> K): Int =\n//   binarySearch(fromIndex, toIndex) {
comparator.compare(selector(it), key) }\n/n/n/**n * Searches this list or its range for an element for which the
given [comparison] function returns zero using the binary search algorithm.n *n * The list is expected to be sorted
so that the signs of the [comparison] function's return values ascend on the list elements,n * i.e. negative values
come before zero and zeroes come before positive values.n * Otherwise, the result is undefined.n *n * If the list
contains multiple elements for which [comparison] returns zero, there is no guarantee which one will be found.n *n
* @param comparison function that returns zero when called on the list element being searched.n * On the
elements coming before the target element, the function must return negative values;n * on the elements coming
after the target element, the function must return positive values.n *n * @return the index of the found element, if
it is contained in the list within the specified range;n * otherwise, the inverted insertion point `(-insertion point -
1)`.n * The insertion point is defined as the index at which the element should be inserted,n * so that the list (or the
specified subrange of list) still remains sorted.n * @sample
samples.collections.Collections.Lists.binarySearchWithComparisonFunction.n */npublic fun <T>
List<T>.binarySearch(fromIndex: Int = 0, toIndex: Int = size, comparison: (T) -> Int): Int {n   rangeCheck(size,

```

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fromIndex, toIndex)\n\n    var low = fromIndex\n    var high = toIndex - 1\n    while (low <= high) {\n        val mid = (low + high).ushr(1) // safe from overflows\n        val midVal = get(mid)\n        val cmp = comparison(midVal)\n        if (cmp < 0)\n            low = mid + 1\n        else if (cmp > 0)\n            high = mid - 1\n        else\n            return mid // key found\n    }\n    return -(low + 1) // key not found\n}\n\n/**\n * Checks that `from` and `to` are in the range of [0..size] and throws an appropriate exception, if they aren't.\n */\nprivate fun rangeCheck(size: Int, fromIndex: Int, toIndex: Int) {\n    when {\n        fromIndex > toIndex -> throw\n        IllegalArgumentException("fromIndex ($fromIndex) is greater than toIndex ($toIndex).")\n        fromIndex < 0 -> throw\n        IndexOutOfBoundsException("fromIndex ($fromIndex) is less than zero.")\n        toIndex > size -> throw\n        IndexOutOfBoundsException("toIndex ($toIndex) is greater than size ($size).")\n    }\n}\n\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal expect fun checkIndexOverflow(index: Int):\nInt\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal expect fun checkCountOverflow(count: Int):\nInt\n\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal fun throwIndexOverflow() { throw\n    ArithmeticException("Index overflow has happened.") }\n\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal fun\nthrowCountOverflow() { throw ArithmeticException("Count overflow has happened.") }\n\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("MapsKt")\n\npackage\nkotlin.collections\n\nimport kotlin.contracts.*\n\nprivate object EmptyMap : Map<Any?, Nothing>, Serializable {\n    private const val serialVersionUID: Long = 8246714829545688274\n    override fun equals(other: Any?): Boolean = other is Map<*, *> && other.isEmpty()\n    override fun hashCode(): Int = 0\n    override fun toString(): String = "{}"\n    override val size: Int get() = 0\n    override fun isEmpty(): Boolean = true\n    override fun\ncontainsKey(key: Any?): Boolean = false\n    override fun containsValue(value: Nothing): Boolean = false\n    override fun get(key: Any?): Nothing? = null\n    override val entries: Set<Map.Entry<Any?, Nothing>> get() =\n        EmptySet\n    override val keys: Set<Any?> get() = EmptySet\n    override val values: Collection<Nothing> get() =\n        EmptyList\n    private fun readResolve(): Any = EmptyMap\n}\n\n/**\n * Returns an empty read-only map of specified type.\n */\n * The returned map is serializable (JVM).\n * @sample\nsamples.collections.Maps.Instantiation.emptyReadOnlyMap\n\n * \npublic fun <K, V> emptyMap(): Map<K, V> =\n    @Suppress("UNCHECKED_CAST") (EmptyMap as Map<K, V>)\n\n/**\n * Returns a new read-only map with the specified contents, given as a list of pairs\n * where the first value is the key and the second is the value.\n */\n * \nIf multiple pairs have the same key, the resulting map will contain the value from the last of those pairs.\n */\n * \nEntries of the map are iterated in the order they were specified.\n */\n * The returned map is serializable (JVM).\n */\n * @sample\nsamples.collections.Maps.Instantiation.mapFromPairs\n\n * \npublic fun <K, V> mapOf(vararg pairs: Pair<K, V>): Map<K, V> =\n    if (pairs.size > 0) pairs.toMap(LinkedHashMap(mapCapacity(pairs.size))) else\n        emptyMap()\n\n/**\n * Returns an empty read-only map.\n */\n * The returned map is serializable (JVM).\n * @sample\nsamples.collections.Maps.Instantiation.emptyReadOnlyMap\n\n * \n@kotl.in.internal.InlineOnly\npublic inline fun <K, V> mapOf(): Map<K, V> = emptyMap()\n\n/**\n * Returns an empty new [MutableMap].\n */\n * \nThe returned map preserves the entry iteration order.\n */\n * @sample\nsamples.collections.Maps.Instantiation.emptyMutableMap\n\n * \n@SinceKotlin("1.1")\n@kotl.in.internal.InlineOnly\npublic inline fun <K, V> mutableMapOf():\nMutableMap<K, V> = LinkedHashMap()\n\n/**\n * Returns a new [MutableMap] with the specified contents, given as a list of pairs\n * where the first component is the key and the second is the value.\n */\n * \nIf multiple pairs have the same key, the resulting map will contain the value from the last of those pairs.\n */\n * \nEntries of the map are iterated in the order they were specified.\n */\n * @sample\nsamples.collections.Maps.Instantiation.mutableMapFromPairs\n\n * @sample\nsamples.collections.Maps.Instantiation.emptyMutableMap\n\n * \npublic fun <K, V> mutableMapOf(vararg pairs: Pair<K, V>): MutableMap<K, V> =\n    LinkedHashMap<K, V>(mapCapacity(pairs.size)).apply { putAll(pairs) }\n\n/**\n * Returns an empty new [HashMap].\n */\n * @sample\nsamples.collections.Maps.Instantiation.emptyHashMap\n
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*\/n@SinceKotlin("1.1")\/n@kotlin.internal.InlineOnly\/npublic inline fun <K, V> hashMapOf(): HashMap<K, V>
= HashMap<K, V>()\n\n**\/n * Returns a new [HashMap] with the specified contents, given as a list of pairs\n *
where the first component is the key and the second is the value.\n *\/n * @sample
samples.collections.Maps.Instantiation.hashMapFromPairs\n *\/npublic fun <K, V> hashMapOf(vararg pairs:
Pair<K, V>): HashMap<K, V> = HashMap<K, V>(mapCapacity(pairs.size)).apply { putAll(pairs) }\n\n**\/n *
Returns an empty new [LinkedHashMap].\n *\/n@SinceKotlin("1.1")\/n@kotlin.internal.InlineOnly\/npublic inline
fun <K, V> linkedMapOf(): LinkedHashMap<K, V> = LinkedHashMap<K, V>()\n\n**\/n * Returns a new
[LinkedHashMap] with the specified contents, given as a list of pairs\n * where the first component is the key and
the second is the value.\n *\/n * If multiple pairs have the same key, the resulting map will contain the value from the
last of those pairs.\n *\/n * Entries of the map are iterated in the order they were specified.\n *\/n * @sample
samples.collections.Maps.Instantiation.linkedMapFromPairs\n *\/npublic fun <K, V> linkedMapOf(vararg pairs:
Pair<K, V>): LinkedHashMap<K, V> = pairs.toMap(LinkedHashMap(mapCapacity(pairs.size)))\n\n**\/n *
Calculate the initial capacity of a map, based on Guava's com.google.common.collect.Maps approach. This is
equivalent\n * to the Collection constructor for HashSet, (c.size()/0.75f) + 1, but provides further optimisations for
very small or\n * very large sizes, allows support non-collection classes, and provides consistency for all map based
class construction.\n *\/n@PublishedApi\ninternal fun mapCapacity(expectedSize: Int): Int {\n    if (expectedSize <
3) {\n        return expectedSize + 1\n    }\n    if (expectedSize < INT_MAX_POWER_OF_TWO) {\n        return
expectedSize + expectedSize / 3\n    }\n    return Int.MAX_VALUE // any large value\n}\n\nprivate const val
INT_MAX_POWER_OF_TWO: Int = Int.MAX_VALUE / 2 + 1\n\n** Returns `true` if this map is not empty.
*\/n@kotlin.internal.InlineOnly\/npublic inline fun <K, V> Map<out K, V>.isEmpty(): Boolean =
!isEmpty()\n\n**\/n * Returns `true` if this nullable map is either null or empty.\n * @sample
samples.collections.Maps.Usage.mapIsNullOrEmpty\n
*\/n@SinceKotlin("1.3")\/n@kotlin.internal.InlineOnly\/npublic inline fun <K, V> Map<out K,
V>?.isNullOrEmpty(): Boolean {\n    contract {\n        returns(false) implies (this@isNullOrEmpty != null)\n    }\n\n    return this == null || isEmpty()\n}\n\n**\/n * Returns the [Map] if its not `null`, or the empty [Map] otherwise.\n
*\/n * @sample samples.collections.Maps.Usage.mapOrEmpty\n *\/n@kotlin.internal.InlineOnly\/npublic inline fun
<K, V> Map<K, V>?.orEmpty(): Map<K, V> = this ?: emptyMap()\n\n**\/n * Returns this map if it's not empty\n *
or the result of calling [defaultValue] function if the map is empty.\n *\/n * @sample
samples.collections.Maps.Usage.mapIfEmpty\n *\/n@SinceKotlin("1.3")\/n@kotlin.internal.InlineOnly\/npublic
inline fun <M, R> M.ifEmpty(defaultValue: () -> R): R where M : Map<*, *>, M : R =\n    if (isEmpty())
defaultValue() else this\n\n**\/n * Checks if the map contains the given key.\n *\/n * This method allows to use the
`x in map` syntax for checking whether an object is contained in the map.\n *\/n@kotlin.internal.InlineOnly\/npublic
inline operator fun <@kotlin.internal.OnlyInputTypes K, V> Map<out K, V>.contains(key: K): Boolean =
containsKey(key)\n\n**\/n * Returns the value corresponding to the given [key], or `null` if such a key is not present
in the map.\n *\/n@kotlin.internal.InlineOnly\/npublic inline operator fun <@kotlin.internal.OnlyInputTypes K, V>
Map<out K, V>.get(key: K): V? =\n    @Suppress("UNCHECKED_CAST") (this as Map<K,
V>).get(key)\n\n**\/n * Allows to use the index operator for storing values in a mutable map.\n
*\/n@kotlin.internal.InlineOnly\/npublic inline operator fun <K, V> MutableMap<K, V>.set(key: K, value: V): Unit
{\n    put(key, value)\n}\n\n**\/n * Returns `true` if the map contains the specified [key].\n *\/n * Allows to
overcome type-safety restriction of `containsKey` that requires to pass a key of type `K`.\n
*\/n@kotlin.internal.InlineOnly\/npublic inline fun <@kotlin.internal.OnlyInputTypes K> Map<out K,
*>.containsKey(key: K): Boolean =\n    @Suppress("UNCHECKED_CAST") (this as Map<K,
*>).containsKey(key)\n\n**\/n * Returns `true` if the map maps one or more keys to the specified [value].\n *\/n *
Allows to overcome type-safety restriction of `containsValue` that requires to pass a value of type `V`.\n *\/n *
@sample samples.collections.Maps.Usage.containsValue\n
*\/n@Suppress("EXTENSION_SHADOWED_BY_MEMBER") // false warning, extension takes precedence in
some cases\n@kotlin.internal.InlineOnly\/npublic inline fun <K, @kotlin.internal.OnlyInputTypes V> Map<K,
V>.containsValue(value: V): Boolean = this.containsValue(value)\n\n**\/n * Removes the specified key and its

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corresponding value from this map.
`@return the previous value associated with the key, or `null` if the key was not present in the map.`
`Allows to overcome type-safety restriction of `remove` that requires to pass a key of type `K`.`
`@kotlin.internal.InlineOnly`
`public inline fun <@kotlin.internal.OnlyInputTypes K, V> MutableMap<out K, V>.remove(key: K): V? =`
`@Suppress("UNCHECKED_CAST") (this as MutableMap<K, V>).remove(key)`
`Returns the key component of the map entry.`
`This method allows to use destructuring declarations when working with maps, for example:`
`for ((key, value) in map) {`
 `// do something with the key and the value`
`}`
`@kotlin.internal.InlineOnly`
`public inline operator fun <K, V> Map.Entry<K, V>.component1(): K = key`
`Returns the value component of the map entry.`
`This method allows to use destructuring declarations when working with maps, for example:`
`for ((key, value) in map) {`
 `// do something with the key and the value`
`}`
`@kotlin.internal.InlineOnly`
`public inline operator fun <K, V> Map.Entry<K, V>.component2(): V = value`
`Converts entry to [Pair] with key being first component and value being second.`
`@kotlin.internal.InlineOnly`
`public inline fun <K, V> Map.Entry<K, V>.toPair(): Pair<K, V> = Pair(key, value)`
`Returns the value for the given key, or the result of the [defaultValue] function if there was no entry for the given key.`
`@sample`
`samples.collections.Maps.Usage.getOrElse`
`@kotlin.internal.InlineOnly`
`public inline fun <K, V> Map<K, V>.getOrElse(key: K, defaultValue: () -> V): V =`
`get(key) ?: defaultValue`
`internal inline fun <K, V> Map<K, V>.getOrElseNullable(key: K, defaultValue: () -> V): V {`
 `val value = get(key)`
 `if (value == null && !containsKey(key)) {`
 `return defaultValue`
 `}`
 `else {`
 `@Suppress("UNCHECKED_CAST")`
 `return value as V`
 `}`
`Returns the value for the given [key] or throws an exception if there is no such key in the map.`
`If the map was created by [withDefault], resorts to its `defaultValue` provider function instead of throwing an exception.`
`@throws NoSuchElementException when the map doesn't contain a value for the specified key and`
`no implicit default value was provided for that map.`
`@SinceKotlin("1.1")`
`public fun <K, V> Map<K, V>.getValue(key: K): V =`
`getOrImplicitDefault(key)`
`Returns the value for the given key. If the key is not found in the map, calls the [defaultValue] function,`
`puts its result into the map under the given key and returns it.`
`Note that the operation is not guaranteed to be atomic if the map is being modified concurrently.`
`@sample`
`samples.collections.Maps.Usage.getOrPut`
`public inline fun <K, V> MutableMap<K, V>.getOrPut(key: K, defaultValue: () -> V): V {`
 `val value = get(key)`
 `return if (value == null) {`
 `val answer = defaultValue`
 `put(key, answer)`
 `answer`
 `} else {`
 `value`
 `}`
`Returns an [Iterator] over the entries in the [Map].`
`@sample`
`samples.collections.Maps.Usage.forOverEntries`
`@kotlin.internal.InlineOnly`
`public inline operator fun <K, V> Map<out K, V>.iterator():`
`Iterator<Map.Entry<K, V>> = entries.iterator()`
`Returns a [MutableIterator] over the mutable entries in the [MutableMap].`
`@kotlin.jvm.JvmName("mutableIterator")`
`@kotlin.internal.InlineOnly`
`public inline operator fun <K, V> MutableMap<K, V>.iterator(): MutableIterator<MutableMap.MutableEntry<K, V>> =`
`entries.iterator()`
`Populates the given [destination] map with entries having the keys of this map and the values obtained`
`by applying the [transform] function to each entry in this [Map].`
`public inline fun <K, V, R, M : MutableMap<in K, in R>> Map<out K, V>.mapValuesTo(destination: M, transform: (Map.Entry<K, V>) -> R): M {`
 `return entries.associateByTo(destination, { it.key }, transform)`
`Populates the given [destination] map with entries having the keys obtained`
`by applying the [transform] function to each entry in this [Map] and the values of this map.`
`In case if any two entries are mapped to the equal keys, the value of the latter one will overwrite`
`the value associated with the former one.`
`public inline fun <K, V, R, M : MutableMap<in R, in V>> Map<out K, V>.mapKeysTo(destination: M, transform: (Map.Entry<K, V>) -> R): M {`
 `return entries.associateByTo(destination, transform, { it.value })`
`Puts all the given [pairs] into this [MutableMap] with the first component in the pair being the key and the second the value.`
`public fun <K, V> MutableMap<in K, in V>.putAll(pairs: Array<out Pair<K, V>>): Unit {`
 `for ((key, value) in pairs) {`
 `put(key, value)`
 `}`
`Puts all the elements of the given collection into this [MutableMap] with the first component in the pair being the key and the second the value.`
`public fun <K, V> MutableMap<in K, in V>.putAll(pairs: Iterable<Pair<K, V>>): Unit {`
 `for ((key, value) in pairs) {`
 `put(key, value)`
 `}`

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}
}

* Puts all the elements of the given sequence into this [MutableMap] with the first component in the
pair being the key and the second the value.
^public fun <K, V> MutableMap<in K, in V>.putAll(pairs:
Sequence<Pair<K, V>>): Unit {
    for ((key, value) in pairs) {
        put(key, value)
    }
}

* Returns a
new map with entries having the keys of this map and the values obtained by applying the [transform]
* function
to each entry in this [Map].
* The returned map preserves the entry iteration order of the original map.
*
@sample samples.collections.Maps.Transformations.mapValues
^public inline fun <K, V, R> Map<out K,
V>.mapValues(transform: (Map.Entry<K, V>) -> R): Map<K, R> {
    return mapValuesTo(LinkedHashMap<K,
R>(mapCapacity(size)), transform) // .optimizeReadOnlyMap()
}

* Returns a new Map with entries
having the keys obtained by applying the [transform] function to each entry in this
* [Map] and the values of this
map.
* In case if any two entries are mapped to the equal keys, the value of the latter one will overwrite
* the
value associated with the former one.
* The returned map preserves the entry iteration order of the original
map.
*
@sample samples.collections.Maps.Transformations.mapKeys
^public inline fun <K, V, R>
Map<out K, V>.mapKeys(transform: (Map.Entry<K, V>) -> R): Map<R, V> {
    return
mapKeysTo(LinkedHashMap<R, V>(mapCapacity(size)), transform) // .optimizeReadOnlyMap()
}

* Returns a map containing all key-value pairs with keys matching the given [predicate].
* The returned map
preserves the entry iteration order of the original map.
*
@sample samples.collections.Maps.Filtering.filterKeys
^public inline fun <K, V> Map<out K, V>.filterKeys(predicate: (K) -> Boolean): Map<K, V> {
    val result =
LinkedHashMap<K, V>()
    for (entry in this) {
        if (predicate(entry.key)) {
            result.put(entry.key,
entry.value)
        }
    }
    return result
}

* Returns a map containing all key-value pairs with values
matching the given [predicate].
* The returned map preserves the entry iteration order of the original map.
*
@sample samples.collections.Maps.Filtering.filterValues
^public inline fun <K, V> Map<out K,
V>.filterValues(predicate: (V) -> Boolean): Map<K, V> {
    val result = LinkedHashMap<K, V>()
    for (entry
in this) {
        if (predicate(entry.value)) {
            result.put(entry.key, entry.value)
        }
    }
    return
result
}

* Appends all entries matching the given [predicate] into the mutable map given as [destination]
parameter.
* @return the destination map.
*
@sample samples.collections.Maps.Filtering.filterTo
^public inline fun <K, V, M : MutableMap<in K, in V>> Map<out K, V>.filterTo(destination: M, predicate:
(Map.Entry<K, V>) -> Boolean): M {
    for (element in this) {
        if (predicate(element)) {
            destination.put(element.key, element.value)
        }
    }
    return destination
}

* Returns a new map
containing all key-value pairs matching the given [predicate].
* The returned map preserves the entry iteration
order of the original map.
*
@sample samples.collections.Maps.Filtering.filter
^public inline fun <K, V>
Map<out K, V>.filter(predicate: (Map.Entry<K, V>) -> Boolean): Map<K, V> {
    return
filterTo(LinkedHashMap<K, V>(), predicate)
}

* Appends all entries not matching the given [predicate]
into the given [destination].
* @return the destination map.
*
@sample
samples.collections.Maps.Filtering.filterNotTo
^public inline fun <K, V, M : MutableMap<in K, in V>>
Map<out K, V>.filterNotTo(destination: M, predicate: (Map.Entry<K, V>) -> Boolean): M {
    for (element in
this) {
        if (!predicate(element)) {
            destination.put(element.key, element.value)
        }
    }
    return
destination
}

* Returns a new map containing all key-value pairs not matching the given [predicate].
* The
returned map preserves the entry iteration order of the original map.
*
@sample
samples.collections.Maps.Filtering.filterNot
^public inline fun <K, V> Map<out K, V>.filterNot(predicate:
(Map.Entry<K, V>) -> Boolean): Map<K, V> {
    return filterNotTo(LinkedHashMap<K, V>(),
predicate)
}

* Returns a new map containing all key-value pairs from the given collection of pairs.
* The
returned map preserves the entry iteration order of the original collection.
* If any of two pairs would have the
same key the last one gets added to the map.
^public fun <K, V> Iterable<Pair<K, V>>.toMap(): Map<K, V>
{
    if (this is Collection) {
        return when (size) {
            0 -> emptyMap()
            1 -> mapOf(if (this is
List) this[0] else iterator().next())
            else -> toMap(LinkedHashMap<K, V>(mapCapacity(size)))
        }
    }
    return toMap(LinkedHashMap<K, V>()).optimizeReadOnlyMap()
}

* Populates and returns the
[destination] mutable map with key-value pairs from the given collection of pairs.
^public fun <K, V, M :
MutableMap<in K, in V>> Iterable<Pair<K, V>>.toMap(destination: M): M =
    destination.apply {

```

```

putAll(this@toMap) }
}

/** Returns a new map containing all key-value pairs from the given array of pairs.
 * The returned map preserves the entry iteration order of the original array.
 * If any of two pairs would have the same key the last one gets added to the map.
 */
public fun <K, V> Array<out Pair<K, V>>.toMap(): Map<K, V> = when (size) {
    0 -> emptyMap()
    1 -> mapOf(this[0])
    else -> toMap(LinkedHashMap<K, V>(mapCapacity(size)))
}

/** Populates and returns the [destination] mutable map with key-value pairs from the given array of pairs.
 */
public fun <K, V, M : MutableMap<in K, in V>> Array<out Pair<K, V>>.toMap(destination: M): M =
    destination.apply { putAll(this@toMap) }

/** Returns a new map containing all key-value pairs from the given sequence of pairs.
 * The returned map preserves the entry iteration order of the original sequence.
 * If any of two pairs would have the same key the last one gets added to the map.
 */
public fun <K, V> Sequence<Pair<K, V>>.toMap(): Map<K, V> = toMap(LinkedHashMap<K, V>()).optimizeReadOnlyMap()

/** Populates and returns the [destination] mutable map with key-value pairs from the given sequence of pairs.
 */
public fun <K, V, M : MutableMap<in K, in V>> Sequence<Pair<K, V>>.toMap(destination: M): M =
    destination.apply { putAll(this@toMap) }

/** Returns a new read-only map containing all key-value pairs from the original map.
 * The returned map preserves the entry iteration order of the original map.
 */
@SinceKotlin("1.1")
public fun <K, V> Map<out K, V>.toMap(): Map<K, V> = when (size) {
    0 -> emptyMap()
    1 -> toSingletonMap()
    else -> toMutableMap()
}

/** Returns a new mutable map containing all key-value pairs from the original map.
 * The returned map preserves the entry iteration order of the original map.
 */
@SinceKotlin("1.1")
public fun <K, V> Map<out K, V>.toMutableMap(): MutableMap<K, V> = LinkedHashMap(this)

/** Populates and returns the [destination] mutable map with key-value pairs from the given map.
 */
@SinceKotlin("1.1")
public fun <K, V, M : MutableMap<in K, in V>> Map<out K, V>.toMap(destination: M): M =
    destination.apply {
        putAll(this@toMap)
    }

/** Creates a new read-only map by replacing or adding an entry to this map from a given key-value [pair].
 * The returned map preserves the entry iteration order of the original map.
 * The [pair] is iterated in the end if it has a unique key.
 */
public operator fun <K, V> Map<out K, V>.plus(pair: Pair<K, V>): Map<K, V> =
    if (this.isEmpty()) mapOf(pair) else LinkedHashMap(this).apply { put(pair.first, pair.second) }

/** Creates a new read-only map by replacing or adding entries to this map from a given collection of key-value [pairs].
 * The returned map preserves the entry iteration order of the original map.
 * Those [pairs] with unique keys are iterated in the end in the order of [pairs] collection.
 */
public operator fun <K, V> Map<out K, V>.plus(pairs: Iterable<Pair<K, V>>): Map<K, V> =
    if (this.isEmpty()) pairs.toMap() else LinkedHashMap(this).apply { putAll(pairs) }

/** Creates a new read-only map by replacing or adding entries to this map from a given array of key-value [pairs].
 * The returned map preserves the entry iteration order of the original map.
 * Those [pairs] with unique keys are iterated in the end in the order of [pairs] array.
 */
public operator fun <K, V> Map<out K, V>.plus(pairs: Array<out Pair<K, V>>): Map<K, V> =
    if (this.isEmpty()) pairs.toMap() else LinkedHashMap(this).apply { putAll(pairs) }

/** Creates a new read-only map by replacing or adding entries to this map from a given sequence of key-value [pairs].
 * The returned map preserves the entry iteration order of the original map.
 * Those [pairs] with unique keys are iterated in the end in the order of [pairs] sequence.
 */
public operator fun <K, V> Map<out K, V>.plus(pairs: Sequence<Pair<K, V>>): Map<K, V> =
    LinkedHashMap(this).apply { putAll(pairs) }.optimizeReadOnlyMap()

/** Creates a new read-only map by replacing or adding entries to this map from another [map].
 * The returned map preserves the entry iteration order of the original map.
 * Those entries of another [map] that are missing in this map are iterated in the end in the order of that [map].
 */
public operator fun <K, V> Map<out K, V>.plus(map: Map<out K, V>): Map<K, V> =
    LinkedHashMap(this).apply { putAll(map) }

/** Appends or replaces the given [pair] in this mutable map.
 */
@kotlin.internal.InlineOnly
public inline operator fun <K, V> MutableMap<in K, in V>.plusAssign(pair: Pair<K, V>) {
    put(pair.first, pair.second)
}

/** Appends or replaces all pairs from the given collection of [pairs] in this mutable map.
 */
@kotlin.internal.InlineOnly
public inline operator fun <K, V> MutableMap<in K, in V>.plusAssign(pairs: Iterable<Pair<K, V>>) {
    putAll(pairs)
}

/** Appends or replaces all pairs from the given array of [pairs] in this mutable map.
 */
@kotlin.internal.InlineOnly
public inline operator fun <K, V> MutableMap<in K, in V>.plusAssign(pairs:

```

```

Array<out Pair<K, V>> {\n  putAll(pairs)\n}\n\n/**\n * Appends or replaces all pairs from the given sequence of
[pairs] in this mutable map.\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> MutableMap<in
K, in V>.plusAssign(pairs: Sequence<Pair<K, V>>) {\n  putAll(pairs)\n}\n\n/**\n * Appends or replaces all
entries from the given [map] in this mutable map.\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <K,
V> MutableMap<in K, in V>.plusAssign(map: Map<K, V>) {\n  putAll(map)\n}\n\n/**\n * Returns a map
containing all entries of the original map except the entry with the given [key].\n */\n * The returned map preserves
the entry iteration order of the original map.\n */\n@SinceKotlin("1.1")\npublic operator fun <K, V> Map<out K,
V>.minus(key: K): Map<K, V> =\n  this.toMutableMap().apply { minusAssign(key)
}.optimizeReadOnlyMap()\n\n/**\n * Returns a map containing all entries of the original map except those entries\n
* the keys of which are contained in the given [keys] collection.\n */\n * The returned map preserves the entry
iteration order of the original map.\n */\n@SinceKotlin("1.1")\npublic operator fun <K, V> Map<out K,
V>.minus(keys: Iterable<K>): Map<K, V> =\n  this.toMutableMap().apply { minusAssign(keys)
}.optimizeReadOnlyMap()\n\n/**\n * Returns a map containing all entries of the original map except those entries\n
* the keys of which are contained in the given [keys] array.\n */\n * The returned map preserves the entry iteration
order of the original map.\n */\n@SinceKotlin("1.1")\npublic operator fun <K, V> Map<out K, V>.minus(keys:
Array<out K>): Map<K, V> =\n  this.toMutableMap().apply { minusAssign(keys)
}.optimizeReadOnlyMap()\n\n/**\n * Returns a map containing all entries of the original map except those entries\n
* the keys of which are contained in the given [keys] sequence.\n */\n * The returned map preserves the entry
iteration order of the original map.\n */\n@SinceKotlin("1.1")\npublic operator fun <K, V> Map<out K,
V>.minus(keys: Sequence<K>): Map<K, V> =\n  this.toMutableMap().apply { minusAssign(keys)
}.optimizeReadOnlyMap()\n\n/**\n * Removes the entry with the given [key] from this mutable map.\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> MutableMap<K,
V>.minusAssign(key: K) {\n  remove(key)\n}\n\n/**\n * Removes all entries the keys of which are contained in
the given [keys] collection from this mutable map.\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> MutableMap<K,
V>.minusAssign(keys: Iterable<K>) {\n  this.keys.removeAll(keys)\n}\n\n/**\n * Removes all entries the keys of
which are contained in the given [keys] array from this mutable map.\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> MutableMap<K,
V>.minusAssign(keys: Array<out K>) {\n  this.keys.removeAll(keys)\n}\n\n/**\n * Removes all entries from the
keys of which are contained in the given [keys] sequence from this mutable map.\n
*/\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline operator fun <K, V> MutableMap<K,
V>.minusAssign(keys: Sequence<K>) {\n  this.keys.removeAll(keys)\n}\n\n// do not expose for now
@PublishedApi\ninternal fun <K, V> Map<K, V>.optimizeReadOnlyMap() = when (size) {\n  0 -> emptyMap()\n
1 -> toSingletonMapOrSelf()\n  else -> this\n}\n\n"/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("SetsKt")\n\npackage
kotlin.collections\n\ninternal object EmptySet : Set<Nothing>, Serializable {\n  private const val
serialVersionUID: Long = 3406603774387020532\n  override fun equals(other: Any?): Boolean = other is
Set<*> && other.isEmpty()\n  override fun hashCode(): Int = 0\n  override fun toString(): String = ""\n\n
override val size: Int get() = 0\n  override fun isEmpty(): Boolean = true\n  override fun contains(element:
Nothing): Boolean = false\n  override fun containsAll(elements: Collection<Nothing>): Boolean =
elements.isEmpty()\n\n  override fun iterator(): Iterator<Nothing> = EmptyIterator\n\n  private fun readResolve():
Any = EmptySet\n}\n\n/**\n * Returns an empty read-only set. The returned set is serializable (JVM).\n
*/\n@sample samples.collections.Collections.Sets.emptyReadOnlySet\n */\npublic fun <T> emptySet(): Set<T> =
EmptySet\n\n/**\n * Returns a new read-only set with the given elements.\n */\n * Elements of the set are iterated in the
order they were specified.\n */\n * The returned set is serializable (JVM).\n */\n@sample
samples.collections.Collections.Sets.readOnlySet\n */\npublic fun <T> setOf(vararg elements: T): Set<T> = if

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(elements.size > 0) elements.toSet() else emptySet()\n\n/**\n * Returns an empty read-only set. The returned set is
serializable (JVM).\n * @sample samples.collections.Collections.Sets.emptyReadOnlySet\n
*\n@kotlin.internal.InlineOnly\npublic inline fun <T> setOf(): Set<T> = emptySet()\n\n/**\n * Returns an empty
new [MutableSet].\n * \n * The returned set preserves the element iteration order.\n * @sample
samples.collections.Collections.Sets.emptyMutableSet\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun <T> mutableSetOf(): MutableSet<T> =
LinkedHashSet()\n\n/**\n * Returns a new [MutableSet] with the given elements.\n * Elements of the set are
iterated in the order they were specified.\n * @sample samples.collections.Collections.Sets.mutableSet\n *\npublic
fun <T> mutableSetOf(vararg elements: T): MutableSet<T> =
elements.toCollection(LinkedHashSet(mapCapacity(elements.size)))\n\n/**\n * Returns an empty new [HashSet].
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun <T> hashSetOf(): HashSet<T> =
HashSet()\n\n/**\n * Returns a new [HashSet] with the given elements. *\npublic fun <T> hashSetOf(vararg elements:
T): HashSet<T> = elements.toCollection(HashSet(mapCapacity(elements.size)))\n\n/**\n * Returns an empty new
[LinkedHashSet]. *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun <T> linkedSetOf():
LinkedHashSet<T> = LinkedHashSet()\n\n/**\n * Returns a new [LinkedHashSet] with the given elements.\n *
Elements of the set are iterated in the order they were specified.\n * \npublic fun <T> linkedSetOf(vararg elements:
T): LinkedHashSet<T> = elements.toCollection(LinkedHashSet(mapCapacity(elements.size)))\n\n/**\n * Returns this
Set if it's not `null` and the empty set otherwise. *\n@kotlin.internal.InlineOnly\npublic inline fun <T>
Set<T>?.orEmpty(): Set<T> = this ?: emptySet()\n\ninternal fun <T> Set<T>.optimizeReadOnlySet() = when (size)
{\n 0 -> emptySet()\n 1 -> setOf(iterator().next())\n else -> this\n}\n\n"/*\n * Copyright 2010-2018 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n
*\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("StringsKt")\n@file:Suppress("PLATFOR
M_CLASS_MAPPED_TO_KOTLIN")\n\npackage kotlin.text\n\n/**\n * Parses the string as a signed [Byte]
number and returns the result\n * or `null` if the string is not a valid representation of a number.\n
*\n@SinceKotlin("1.1")\npublic fun String.toByteOrNull(): Byte? = toByteOrNull(radix = 10)\n\n/**\n * Parses
the string as a signed [Byte] number and returns the result\n * or `null` if the string is not a valid representation of a
number.\n * \n * @throws IllegalArgumentException when [radix] is not a valid radix for string to number
conversion.\n *\n@SinceKotlin("1.1")\npublic fun String.toByteOrNull(radix: Int): Byte? {\n  val int =
this.toIntOrNull(radix) ?: return null\n  if (int < Byte.MIN_VALUE || int > Byte.MAX_VALUE) return null\n
return int.toByte()\n}\n\n/**\n * Parses the string as a [Short] number and returns the result\n * or `null` if the string
is not a valid representation of a number.\n *\n@SinceKotlin("1.1")\npublic fun String.toShortOrNull(): Short? =
toShortOrNull(radix = 10)\n\n/**\n * Parses the string as a [Short] number and returns the result\n * or `null` if the
string is not a valid representation of a number.\n * \n * @throws IllegalArgumentException when [radix] is not a
valid radix for string to number conversion.\n *\n@SinceKotlin("1.1")\npublic fun String.toShortOrNull(radix:
Int): Short? {\n  val int = this.toIntOrNull(radix) ?: return null\n  if (int < Short.MIN_VALUE || int >
Short.MAX_VALUE) return null\n  return int.toShort()\n}\n\n/**\n * Parses the string as an [Int] number and
returns the result\n * or `null` if the string is not a valid representation of a number.\n
*\n@SinceKotlin("1.1")\npublic fun String.toIntOrNull(): Int? = toIntOrNull(radix = 10)\n\n/**\n * Parses the
string as an [Int] number and returns the result\n * or `null` if the string is not a valid representation of a number.\n
*\n * @throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*\n@SinceKotlin("1.1")\npublic fun String.toIntOrNull(radix: Int): Int? {\n  checkRadix(radix)\n  val length
= this.length\n  if (length == 0) return null\n  val start: Int\n  val isNegative: Boolean\n  val limit: Int\n  val
firstChar = this[0]\n  if (firstChar < '0') { // Possible leading sign\n    if (length == 1) return null // non-digit
(possible sign) only, no digits after\n    start = 1\n    if (firstChar == '-') {\n      isNegative = true\n
limit = Int.MIN_VALUE\n    } else if (firstChar == '+') {\n      isNegative = false\n      limit =
Int.MAX_VALUE\n    } else\n      return null\n  } else {\n    start = 0\n    isNegative = false\n    limit
= -Int.MAX_VALUE\n  }\n  val limitForMaxRadix = (-Int.MAX_VALUE) / 36\n  var limitBeforeMul =

```



```

limitForMaxRadix\n    var result = 0\n    for (i in start until length) {\n        val digit = digitOf(this[i], radix)\n        if (digit < 0) return null\n        if (result < limitBeforeMul) {\n            if (limitBeforeMul == limitForMaxRadix) {\n                limitBeforeMul = limit / radix\n                if (result < limitBeforeMul) {\n                    return null\n                }\n            } else {\n                return null\n            }\n        }\n        result *= radix\n        if (result < limit + digit)\n            return null\n        result -= digit\n    }\n    return if (isNegative) result else -result\n}\n\n/**\n * Parses the string as a [Long] number and returns the result\n * or `null` if the string is not a valid representation of a number.\n */\n@SinceKotlin("1.1")\npublic fun String.toLongOrNull(): Long? = toLongOrNull(radix = 10)\n\n/**\n * Parses the string as a [Long] number and returns the result\n * or `null` if the string is not a valid representation of a number.\n * @throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n */\n@SinceKotlin("1.1")\npublic fun String.toLongOrNull(radix: Int): Long? {\n    checkRadix(radix)\n    val length = this.length\n    if (length == 0) return null\n    val start: Int\n    val isNegative: Boolean\n    val limit: Long\n    val firstChar = this[0]\n    if (firstChar < '0') { // Possible leading sign\n        if (length == 1) return null // non-digit (possible sign) only, no digits after\n        start = 1\n        if (firstChar == '-')\n            isNegative = true\n        limit = Long.MIN_VALUE\n    } else if (firstChar == '+') {\n        isNegative = false\n        limit = -Long.MAX_VALUE\n    } else\n        return null\n    } else {\n        start = 0\n        isNegative = false\n        limit = -Long.MAX_VALUE\n    }\n    val limitForMaxRadix = (-Long.MAX_VALUE) / 36\n    var limitBeforeMul = limitForMaxRadix\n    var result = 0L\n    for (i in start until length) {\n        val digit = digitOf(this[i], radix)\n        if (digit < 0) return null\n        if (result < limitBeforeMul)\n            if (limitBeforeMul == limitForMaxRadix) {\n                limitBeforeMul = limit / radix\n                if (result < limitBeforeMul)\n                    return null\n            } else {\n                return null\n            }\n        }\n        result *= radix\n        if (result < limit + digit)\n            return null\n        result -= digit\n    }\n    return if (isNegative) result else -result\n}\n\ninternal fun numberFormatException(input: String): Nothing = throw\n    NumberFormatException("Invalid number format: '$input'")\n\n/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n@file:kotlin.jvm.JvmName("UnsignedKt")\n@file:UseExperimental(ExperimentalUnsignedTypes::class)\npackage kotlin\n\n@PublishedApi\ninternal fun uintCompare(v1: Int, v2: Int): Int = (v1 xor Int.MIN_VALUE).compareTo(v2 xor Int.MIN_VALUE)\n\n@PublishedApi\ninternal fun ulongCompare(v1: Long, v2: Long): Int = (v1 xor Long.MIN_VALUE).compareTo(v2 xor Long.MIN_VALUE)\n\n@PublishedApi\ninternal fun uintDivide(v1: UInt, v2: UInt): UInt = (v1.toLong() / v2.toLong()).toUInt()\n\n@PublishedApi\ninternal fun uintRemainder(v1: UInt, v2: UInt): UInt = (v1.toLong() % v2.toLong()).toUInt()\n\n// Division and remainder are based on Guava's UnsignedLongs implementation\n// Copyright 2011 The Guava Authors\n\n@PublishedApi\ninternal fun ulongDivide(v1: ULong, v2: ULong): ULong {\n    val dividend = v1.toLong()\n    val divisor = v2.toLong()\n    if (divisor < 0) { // i.e., divisor >= 2^63\n        return if (v1 < v2) ULong(0) else ULong(1)\n    }\n    // Optimization - use signed division if both dividend and divisor < 2^63\n    if (dividend >= 0) {\n        return ULong(dividend / divisor)\n    }\n    // Otherwise, approximate the quotient, check, and correct if necessary.\n    val quotient = ((dividend ushr 1) / divisor) shl 1\n    val rem = dividend - quotient * divisor\n    return ULong(quotient + if (ULong(rem) >= ULong(divisor)) 1 else 0)\n}\n\n@PublishedApi\ninternal fun ulongRemainder(v1: ULong, v2: ULong): ULong {\n    val dividend = v1.toLong()\n    val divisor = v2.toLong()\n    if (divisor < 0) { // i.e., divisor >= 2^63\n        return if (v1 < v2) v1 // dividend < divisor\n    } else {\n        v1 - v2 // dividend >= divisor\n    }\n}\n\n// Optimization - use signed modulus if both dividend and divisor < 2^63\nif (dividend >= 0) {\n    return ULong(dividend % divisor)\n}\n\n// Otherwise, approximate the quotient, check, and correct if necessary.\nval quotient = ((dividend ushr 1) / divisor) shl 1\nval rem = dividend - quotient * divisor\nreturn ULong(rem - if (ULong(rem) >= ULong(divisor)) divisor else 0)\n}\n\n@PublishedApi\ninternal fun doubleToUInt(v: Double): UInt = when {\n    v.isNaN() -> 0u\n    v <= UInt.MIN_VALUE.toDouble() -> UInt.MIN_VALUE\n    v >= UInt.MAX_VALUE.toDouble() -> UInt.MAX_VALUE\n    v <= Int.MAX_VALUE -> v.toInt().toUInt()\n    else -> (v - Int.MAX_VALUE).toInt().toUInt() + Int.MAX_VALUE.toUInt()\n    // Int.MAX_VALUE < v <

```

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UInt.MAX_VALUE\n}\n\n@PublishedApi\ninternal fun doubleToULong(v: Double): ULong = when {\n
v.isNaN() -> 0u\n  v <= ULong.MIN_VALUE.toDouble() -> ULong.MIN_VALUE\n  v >=
ULong.MAX_VALUE.toDouble() -> ULong.MAX_VALUE\n  v < Long.MAX_VALUE ->
v.toLong().toULong()\n\n  // Real values from Long.MAX_VALUE to (Long.MAX_VALUE + 1) are not
representable in Double, so don't handle them.\n  else -> (v - 9223372036854775808.0).toLong().toULong() +
9223372036854775808uL    // Long.MAX_VALUE + 1 < v <
ULong.MAX_VALUE\n}\n\n\n@PublishedApi\ninternal fun uintToDouble(v: Int): Double = (v and
Int.MAX_VALUE).toDouble() + (v ushr 31 shl 30).toDouble() * 2\n\n\n@PublishedApi\ninternal fun
ulongToDouble(v: Long): Double = (v ushr 11).toDouble() * 2048 + (v and 2047)\n\n\ninternal fun
ulongToString(v: Long): String = ulongToString(v, 10)\n\n\ninternal fun ulongToString(v: Long, base: Int): String {\n
  if (v >= 0) return v.toString(base)\n\n  var quotient = ((v ushr 1) / base) shl 1\n  var rem = v - quotient * base\n
if (rem >= base) {\n    rem -= base\n    quotient += 1\n  }\n  return quotient.toString(base) +
rem.toString(base)\n}\n\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("CollectionsKt")\n\npackage
kotlin.collections\n\n/**\n * Given an [iterator] function constructs an [Iterable] instance that returns values through
the [Iterator]\n * provided by that function.\n * @sample samples.collections.Iterables.Building.iterable\n
*/\n\n@kotlin.internal.InlineOnly\npublic inline fun <T> Iterable(crossinline iterator: () -> Iterator<T>): Iterable<T>
= object : Iterable<T> {\n  override fun iterator(): Iterator<T> = iterator()\n}\n\n/**\n * A wrapper over another
[Iterable] (or any other object that can produce an [Iterator]) that returns\n * an indexing iterator.\n */\n\ninternal class
IndexingIterable<out T>(private val iteratorFactory: () -> Iterator<T>) : Iterable<IndexedValue<T>> {\n  override
fun iterator(): Iterator<IndexedValue<T>> = IndexingIterator(iteratorFactory())\n}\n\n\n/**\n * Returns the size of
this iterable if it is known, or `null` otherwise.\n */\n\n@PublishedApi\ninternal fun <T>
Iterable<T>.collectionSizeOrNull(): Int? = if (this is Collection<*>) this.size else null\n\n\n/**\n * Returns the size of
this iterable if it is known, or the specified [default] value otherwise.\n */\n\n@PublishedApi\ninternal fun <T>
Iterable<T>.collectionSizeOrDefault(default: Int): Int = if (this is Collection<*>) this.size else default\n\n\n/**
Returns true when it's safe to convert this collection to a set without changing contains method behavior.\n */\n\nprivate
fun <T> Collection<T>.safeToConvertToSet() = size > 2 && this is ArrayList\n\n\n/**\n * Converts this collection to a
set, when it's worth so and it doesn't change contains method behavior.\n */\n\ninternal fun <T>
Iterable<T>.convertToSetForSetOperationWith(source: Iterable<T>): Collection<T> =\n  when (this) {\n    is
Set -> this\n    is Collection -> \n      when {\n        source is Collection && source.size < 2 -> this\n
        else -> if (this.safeToConvertToSet()) toHashSet() else this\n      }\n    else -> toHashSet()\n  }\n\n\n/**
Converts this collection to a set, when it's worth so and it doesn't change contains method behavior.\n */\n\ninternal fun
<T> Iterable<T>.convertToSetForSetOperation(): Collection<T> =\n  when (this) {\n    is Set -> this\n    is
Collection -> if (this.safeToConvertToSet()) toHashSet() else this\n    else -> toHashSet()\n  }\n\n\n\n/**\n *
Returns a single list of all elements from all collections in the given collection.\n */\n * @sample
samples.collections.Iterables.Operations.flattenIterable\n */\n\npublic fun <T> Iterable<Iterable<T>>.flatten():
List<T> {\n  val result = ArrayList<T>()\n  for (element in this) {\n    result.addAll(element)\n  }\n  return
result\n}\n\n\n/**\n * Returns a pair of lists, where\n * *first* list is built from the first values of each pair from this
collection,\n * *second* list is built from the second values of each pair from this collection.\n */\n * @sample
samples.collections.Iterables.Operations.unzipIterable\n */\n\npublic fun <T, R> Iterable<Pair<T, R>>.unzip():
Pair<List<T>, List<R>> {\n  val expectedSize = collectionSizeOrDefault(10)\n  val listT =
ArrayList<T>(expectedSize)\n  val listR = ArrayList<R>(expectedSize)\n  for (pair in this) {\n
listT.add(pair.first)\n    listR.add(pair.second)\n  }\n  return listT to listR\n}\n\n", "/*\n * Copyright 2010-2018
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("SequencesKt")\n\npackage

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kotlin.sequences\n\n/**\n * Given an [iterator] function constructs a [Sequence] that returns values through the
[Iterator]\n * provided by that function.\n * The values are evaluated lazily, and the sequence is potentially
infinite.\n * \n * @sample samples.collections.Sequences.Building.sequenceFromIterator\n
*\n@kotlin.internal.InlineOnly\npublic inline fun <T> Sequence(crossinline iterator: () -> Iterator<T>):
Sequence<T> = object : Sequence<T> {\n    override fun iterator(): Iterator<T> = iterator()\n}\n\n/**\n * Creates a
sequence that returns all elements from this iterator. The sequence is constrained to be iterated only once.\n * \n *
@sample samples.collections.Sequences.Building.sequenceFromIterator\n *\npublic fun <T>
Iterator<T>.asSequence(): Sequence<T> = Sequence { this }.constrainOnce()\n\n/**\n * Creates a sequence that
returns the specified values.\n * \n * @sample samples.collections.Sequences.Building.sequenceOfValues\n
*\npublic fun <T> sequenceOf(vararg elements: T): Sequence<T> = if (elements.isEmpty()) emptySequence() else
elements.asSequence()\n\n/**\n * Returns an empty sequence.\n * \npublic fun <T> emptySequence():
Sequence<T> = EmptySequence\n\nprivate object EmptySequence : Sequence<Nothing>,
DropTakeSequence<Nothing> {\n    override fun iterator(): Iterator<Nothing> = EmptyIterator\n    override fun
drop(n: Int) = EmptySequence\n    override fun take(n: Int) = EmptySequence\n}\n\n/**\n * Returns this sequence if
it's not `null` and the empty sequence otherwise.\n * \n * @sample
samples.collections.Sequences.Usage.sequenceOrEmpty\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun <T> Sequence<T>?.orEmpty():
Sequence<T> = this ?: emptySequence()\n\n/**\n * Returns a sequence that iterates through the elements either of
this sequence\n * or, if this sequence turns out to be empty, of the sequence returned by [defaultValue] function.\n
*\n * @sample samples.collections.Sequences.Usage.sequenceIfEmpty\n *\n@SinceKotlin("1.3")\npublic fun
<T> Sequence<T>.ifEmpty(defaultValue: () -> Sequence<T>): Sequence<T> = sequence {\n    val iterator =
this@ifEmpty.iterator()\n    if (iterator.hasNext()) {\n        yieldAll(iterator)\n    } else {\n
yieldAll(defaultValue())\n    }\n}\n\n/**\n * Returns a sequence of all elements from all sequences in this
sequence.\n * \n * The operation is _intermediate_ and _stateless_.\n *\npublic fun <T>
Sequence<Sequence<T>>.flatten(): Sequence<T> = flatten { it.iterator() }\n\n/**\n * Returns a sequence of all
elements from all iterables in this sequence.\n * \n * The operation is _intermediate_ and _stateless_.\n
*\n@kotlin.jvm.JvmName("flattenSequenceOfIterable")\npublic fun <T> Sequence<Iterable<T>>.flatten():
Sequence<T> = flatten { it.iterator() }\n\nprivate fun <T, R> Sequence<T>.flatten(iterator: (T) -> Iterator<R>):
Sequence<R> {\n    if (this is TransformingSequence<*, *>) {\n        return (this as TransformingSequence<*,
T>).flatten(iterator)\n    }\n    return FlatteningSequence(this, { it }, iterator)\n}\n\n/**\n * Returns a pair of lists,
where\n * *first* list is built from the first values of each pair from this sequence.\n * *second* list is built from the
second values of each pair from this sequence.\n * \n * The operation is _terminal_.\n *\npublic fun <T, R>
Sequence<Pair<T, R>>.unzip(): Pair<List<T>, List<R>> {\n    val listT = ArrayList<T>()\n    val listR =
ArrayList<R>()\n    for (pair in this) {\n        listT.add(pair.first)\n        listR.add(pair.second)\n    }\n    return listT to
listR\n}\n\n/**\n * A sequence that returns the values from the underlying [sequence] that either match or do not
match\n * the specified [predicate].\n * \n * @param sendWhen If `true`, values for which the predicate returns `true`
are returned. Otherwise,\n * values for which the predicate returns `false` are returned\n *\ninternal class
FilteringSequence<T>(\n    private val sequence: Sequence<T>,\n    private val sendWhen: Boolean = true,\n    private val predicate: (T) -> Boolean\n) : Sequence<T> {\n    override fun iterator(): Iterator<T> = object :
Iterator<T> {\n        val iterator = sequence.iterator()\n        var nextState: Int = -1 // -1 for unknown, 0 for done, 1
for continue\n        var nextItem: T? = null\n\n        private fun calcNext() {\n            while (iterator.hasNext()) {\n
                val item = iterator.next()\n                if (predicate(item) == sendWhen) {\n                    nextItem = item\n
                    nextState = 1\n                    return\n                }\n            }\n            nextState = 0\n        }\n        override fun
next(): T {\n            if (nextState == -1)\n                calcNext()\n            if (nextState == 0)\n                throw
NoSuchElementException()\n            val result = nextItem\n            nextItem = null\n            nextState = -1\n
            @Suppress("UNCHECKED_CAST")\n            return result as T\n        }\n        override fun hasNext(): Boolean
{\n            if (nextState == -1)\n                calcNext()\n            return nextState == 1\n        }\n    }\n}\n\n/**\n * A
sequence which returns the results of applying the given [transformer] function to the values\n * in the underlying

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[sequence].\n *\n\ninternal class TransformingSequence<T, R>\nconstructor(private val sequence: Sequence<T>,\n private val transformer: (T) -> R) : Sequence<R> {\n    override fun iterator(): Iterator<R> = object : Iterator<R> {\n        val iterator = sequence.iterator()\n        override fun next(): R {\n            return transformer(iterator.next())\n        }\n    }\n\n    override fun hasNext(): Boolean {\n        return iterator.hasNext()\n    }\n}\n\ninternal fun <E>\nflatten(iterator: (R) -> Iterator<E>): Sequence<E> {\n    return FlatteningSequence<T, R, E>(sequence,\n transformer, iterator)\n}\n\n/**\n * A sequence which returns the results of applying the given [transformer]\n function to the values\n * in the underlying [sequence], where the transformer function takes the index of the value\n in the underlying\n * sequence along with the value itself.\n *\ninternal class TransformingIndexedSequence<T,\n R>\nconstructor(private val sequence: Sequence<T>,\n private val transformer: (Int, T) -> R) : Sequence<R> {\n    override fun iterator(): Iterator<R> = object : Iterator<R> {\n        val iterator = sequence.iterator()\n        var index = 0\n        override fun next(): R {\n            return transformer(checkIndexOverflow(index++), iterator.next())\n        }\n    }\n\n    override fun hasNext(): Boolean {\n        return iterator.hasNext()\n    }\n}\n\n/**\n * A\n sequence which combines values from the underlying [sequence] with their indices and returns them as\n *\n [IndexedValue] objects.\n *\ninternal class IndexingSequence<T>\nconstructor(private val sequence:\n Sequence<T>) : Sequence<IndexedValue<T>> {\n    override fun iterator(): Iterator<IndexedValue<T>> = object :\n Iterator<IndexedValue<T>> {\n        val iterator = sequence.iterator()\n        var index = 0\n        override fun next():\n IndexedValue<T> {\n            return IndexedValue(checkIndexOverflow(index++), iterator.next())\n        }\n    }\n\n    override fun hasNext(): Boolean {\n        return iterator.hasNext()\n    }\n}\n\n/**\n * A sequence which\n takes the values from two parallel underlying sequences, passes them to the given\n * [transform] function and\n returns the values returned by that function. The sequence stops returning\n * values as soon as one of the\n underlying sequences stops returning values.\n *\ninternal class MergingSequence<T1, T2, V>\nconstructor(\n private val sequence1: Sequence<T1>,\n private val sequence2: Sequence<T2>,\n private val transform: (T1,\n T2) -> V) : Sequence<V> {\n    override fun iterator(): Iterator<V> = object : Iterator<V> {\n        val iterator1 =\n sequence1.iterator()\n        val iterator2 = sequence2.iterator()\n        override fun next(): V {\n            return\n transform(iterator1.next(), iterator2.next())\n        }\n    }\n\n    override fun hasNext(): Boolean {\n        return\n iterator1.hasNext() && iterator2.hasNext()\n    }\n}\n\ninternal class FlatteningSequence<T, R,\n E>\nconstructor(\n private val sequence: Sequence<T>,\n private val transformer: (T) -> R,\n private val\n iterator: (R) -> Iterator<E>) : Sequence<E> {\n    override fun iterator(): Iterator<E> = object : Iterator<E> {\n        val iterator =\n sequence.iterator()\n        var itemIterator: Iterator<E>? = null\n        override fun next(): E {\n            if (!ensureItemIterator())\n                throw NoSuchElementException()\n            return itemIterator!!.next()\n        }\n    }\n\n    override fun hasNext(): Boolean {\n        return ensureItemIterator()\n    }\n\n    private fun\n ensureItemIterator(): Boolean {\n        if (itemIterator?.hasNext() == false)\n            itemIterator = null\n        while (itemIterator == null) {\n            if (!iterator.hasNext())\n                return false\n            } else {\n                val element = iterator.next()\n                val nextItemIterator = iterator(transformer(element))\n            }\n            if (nextItemIterator.hasNext()) {\n                itemIterator = nextItemIterator\n                return true\n            }\n        }\n    }\n}\n\n/**\n * A sequence that supports drop(n) and\n take(n) operations\n *\ninternal interface DropTakeSequence<T> : Sequence<T> {\n    fun drop(n: Int):\n Sequence<T>\n    fun take(n: Int): Sequence<T>\n}\n\n/**\n * A sequence that skips [startIndex] values from the\n underlying [sequence]\n * and stops returning values right before [endIndex], i.e. stops at `endIndex - 1`\n *\ninternal class SubSequence<T>(\n private val sequence: Sequence<T>,\n private val startIndex: Int,\n private val endIndex: Int) : Sequence<T>,\n DropTakeSequence<T> {\n    init {\n        require(startIndex >= 0) {\n            \"startIndex should be non-negative, but is $startIndex\"\n        }\n        require(endIndex >= 0) {\n            \"endIndex should be\n non-negative, but is $endIndex\"\n        }\n        require(endIndex >= startIndex) {\n            \"endIndex should be not less than\n startIndex, but was $endIndex < $startIndex\"\n        }\n    }\n\n    private val count: Int get() = endIndex - startIndex\n\n    override fun drop(n: Int): Sequence<T> = if (n >= count) emptySequence() else\n SubSequence(sequence, startIndex\n + n, endIndex)\n\n    override fun take(n: Int): Sequence<T> = if (n >= count) this else\n SubSequence(sequence,\n startIndex, startIndex + n)\n\n    override fun iterator() = object : Iterator<T> {\n        val iterator =\n sequence.iterator()\n        var position = 0\n        // Shouldn't be called from constructor to avoid premature

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iteration\n    private fun drop() {\n        while (position < startIndex && iterator.hasNext()) {\n
iterator.next()\n            position++\n        }\n    }\n    override fun hasNext(): Boolean {\n        drop()\n        return (position < endIndex) && iterator.hasNext()\n    }\n    override fun next(): T {\n        drop()\n        if (position >= endIndex)\n            throw NoSuchElementException()\n        position++\n        return
iterator.next()\n    }\n}\n\n**\n * A sequence that returns at most [count] values from the underlying
[sequence], and stops returning values\n * as soon as that count is reached.\n *\n\ninternal class TakeSequence<T>(\n    private val sequence: Sequence<T>,\n    private val count: Int\n) : Sequence<T>, DropTakeSequence<T> {\n    init {\n        require(count >= 0) { \"count must be non-negative, but was $count.\" }\n    }\n    override fun drop(n:
Int): Sequence<T> = if (n >= count) emptySequence() else SubSequence(sequence, n, count)\n    override fun
take(n: Int): Sequence<T> = if (n >= count) this else TakeSequence(sequence, n)\n    override fun iterator():
Iterator<T> = object : Iterator<T> {\n        var left = count\n        val iterator = sequence.iterator()\n        override
fun next(): T {\n            if (left == 0)\n                throw NoSuchElementException()\n            left--\n            return
iterator.next()\n        }\n        override fun hasNext(): Boolean {\n            return left > 0 && iterator.hasNext()\n        }\n    }\n}\n\n**\n * A sequence that returns values from the underlying [sequence] while the [predicate] function
returns\n * `true`, and stops returning values once the function returns `false` for the next element.\n *\n\ninternal
class TakeWhileSequence<T>\nconstructor(\n    private val sequence: Sequence<T>,\n    private val predicate: (T) ->
Boolean\n) : Sequence<T> {\n    override fun iterator(): Iterator<T> = object : Iterator<T> {\n        val iterator =
sequence.iterator()\n        var nextState: Int = -1 // -1 for unknown, 0 for done, 1 for continue\n        var nextItem: T?
= null\n        private fun calcNext() {\n            if (iterator.hasNext()) {\n                val item = iterator.next()\n
                if (predicate(item)) {\n                    nextState = 1\n                    nextItem = item\n                    return\n                }\n                nextState = 0\n            }\n        }\n        override fun next(): T {\n            if (nextState == -1)\n                calcNext() // will change nextState\n            if (nextState == 0)\n                throw NoSuchElementException()\n            @Suppress(\"UNCHECKED_CAST\")\n            val result = nextItem as T\n            // Clean next to avoid keeping
reference on yielded instance\n            nextItem = null\n            nextState = -1\n            return result\n        }\n        override fun hasNext(): Boolean {\n            if (nextState == -1)\n                calcNext() // will change nextState\n            return nextState == 1\n        }\n    }\n}\n\n**\n * A sequence that skips the specified number of values from the
underlying [sequence] and returns\n * all values after that.\n *\n\ninternal class DropSequence<T>(\n    private val
sequence: Sequence<T>,\n    private val count: Int\n) : Sequence<T>, DropTakeSequence<T> {\n    init {\n        require(count >= 0) { \"count must be non-negative, but was $count.\" }\n    }\n    override fun drop(n: Int):
Sequence<T> = (count + n).let { n1 -> if (n1 < 0) DropSequence(this, n) else DropSequence(sequence, n1) }\n    override fun take(n: Int): Sequence<T> = (count + n).let { n1 -> if (n1 < 0) TakeSequence(this, n) else
SubSequence(sequence, count, n1) }\n    override fun iterator(): Iterator<T> = object : Iterator<T> {\n        val
iterator = sequence.iterator()\n        var left = count\n        // Shouldn't be called from constructor to avoid
premature iteration\n        private fun drop() {\n            while (left > 0 && iterator.hasNext()) {\n
iterator.next()\n                left--\n            }\n        }\n        override fun next(): T {\n            drop()\n            return
iterator.next()\n        }\n        override fun hasNext(): Boolean {\n            drop()\n            return iterator.hasNext()\n        }\n    }\n}\n\n**\n * A sequence that skips the values from the underlying [sequence] while the given
[predicate] returns `true` and returns\n * all values after that.\n *\n\ninternal class
DropWhileSequence<T>\nconstructor(\n    private val sequence: Sequence<T>,\n    private val predicate: (T) ->
Boolean\n) : Sequence<T> {\n    override fun iterator(): Iterator<T> = object : Iterator<T> {\n        val iterator =
sequence.iterator()\n        var dropState: Int = -1 // -1 for not dropping, 1 for nextItem, 0 for normal iteration\n        var nextItem: T? = null\n        private fun drop() {\n            while (iterator.hasNext()) {\n                val item =
iterator.next()\n                if (!predicate(item)) {\n                    nextItem = item\n                    dropState = 1\n                    return\n                }\n            }\n            dropState = 0\n        }\n        override fun next(): T {\n            if
(dropState == -1)\n                drop()\n            if (dropState == 1) {\n                @Suppress(\"UNCHECKED_CAST\")\n                val result = nextItem as T\n                nextItem = null\n                dropState = 0\n                return result\n            }\n            return iterator.next()\n        }\n        override fun
hasNext(): Boolean {\n            if (dropState == -1)\n                drop()\n            return dropState == 1 ||

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iterator.hasNext()\n    }\n}\n\ninternal class DistinctSequence<T, K>(private val source: Sequence<T>,\nprivate val keySelector: (T) -> K) : Sequence<T> {\n    override fun iterator(): Iterator<T> =\nDistinctIterator(source.iterator(), keySelector)\n}\n\nprivate class DistinctIterator<T, K>(private val source:\nIterator<T>, private val keySelector: (T) -> K) : AbstractIterator<T>() {\n    private val observed =\nHashSet<K>()\n    override fun computeNext() {\n        while (source.hasNext()) {\n            val next =\nsource.next()\n            val key = keySelector(next)\n            if (observed.add(key)) {\n                setNext(next)\n            }\n        }\n        done()\n    }\n}\n\nprivate class GeneratorSequence<T : Any>(private val\ngetInitialValue: () -> T?, private val getNextValue: (T) -> T?) : Sequence<T> {\n    override fun iterator():\nIterator<T> = object : Iterator<T> {\n        var nextItem: T? = null\n        var nextState: Int = -2 // -2 for initial\nunknown, -1 for next unknown, 0 for done, 1 for continue\n\n        private fun calcNext() {\n            nextItem = if\n(nextState == -2) getInitialValue() else getNextValue(nextItem!)\n            nextState = if (nextItem == null) 0 else\n1\n        }\n\n        override fun next(): T {\n            if (nextState < 0)\n                calcNext()\n            if (nextState\n== 0)\n                throw NoSuchElementException()\n            val result = nextItem as T\n            // Do not clean\nnextItem (to avoid keeping reference on yielded instance) -- need to keep state for getNextValue\n            nextState\n= -1\n            return result\n        }\n\n        override fun hasNext(): Boolean {\n            if (nextState < 0)\n                calcNext()\n            return nextState == 1\n        }\n    }\n}\n\n/**\n * Returns a wrapper sequence that provides\nvalues of this sequence, but ensures it can be iterated only one time.\n * The operation is _intermediate_ and\n_stateless_.  
 * [IllegalStateException] is thrown on iterating the returned sequence from the second time.\n *  
 * ^public fun <T> Sequence<T>.constrainOnce(): Sequence<T> {\n    // as? does not work in js\n    //return this as?\nConstrainedOnceSequence<T> ?: ConstrainedOnceSequence(this)\n    return if (this is\nConstrainedOnceSequence<T>) this else ConstrainedOnceSequence(this)\n}\n\n/**\n * Returns a sequence which\ninvokes the function to calculate the next value on each iteration until the function returns `null`.\n * The\nreturned sequence is constrained to be iterated only once.\n * @see constrainOnce\n * @see\nkotlin.sequences.sequence\n * @sample samples.collections.Sequences.Building.generateSequence\n */\npublic\nfun <T : Any> generateSequence(nextFunction: () -> T?): Sequence<T> {\n    return\nGeneratorSequence(nextFunction, { nextFunction() }).constrainOnce()\n}\n\n/**\n * Returns a sequence defined by\nthe starting value [seed] and the function [nextFunction],\n * which is invoked to calculate the next value based on\nthe previous one on each iteration.\n * The sequence produces values until it encounters first `null` value.\n * If\n[seed] is `null`, an empty sequence is produced.\n * The sequence can be iterated multiple times, each time\nstarting with [seed].\n * @see kotlin.sequences.sequence\n * @sample\nsamples.collections.Sequences.Building.generateSequenceWithSeed\n */\n@kotlin.internal.LowPriorityInOverloadResolution\npublic fun <T : Any> generateSequence(seed: T?,\nnextFunction: (T) -> T?): Sequence<T> =\n    if (seed == null)\n        EmptySequence\n    else\n        GeneratorSequence({ seed }, nextFunction)\n\n/**\n * Returns a sequence defined by the function [seedFunction],\nwhich is invoked to produce the starting value,\n * and the [nextFunction], which is invoked to calculate the next\nvalue based on the previous one on each iteration.\n * The sequence produces values until it encounters first\n`null` value.\n * If [seedFunction] returns `null`, an empty sequence is produced.\n * The sequence can be\niterated multiple times.\n * @see kotlin.sequences.sequence\n * @sample\nsamples.collections.Sequences.Building.generateSequenceWithLazySeed\n */\npublic fun <T : Any>\ngenerateSequence(seedFunction: () -> T?, nextFunction: (T) -> T?): Sequence<T> =\n    GeneratorSequence(seedFunction, nextFunction)\n}\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin\nProgramming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be\nfound in the license/LICENSE.txt file.\n */\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("PreconditionsKt")\n\npackage\nkotlin\n\nimport kotlin.contracts.contract\n\n/**\n * Throws an [IllegalArgumentException] if the [value] is false.\n *  
 * @sample samples.misc.Preconditions.failRequireWithLazyMessage\n */\n@kotlin.internal.InlineOnly\npublic\ninline fun require(value: Boolean): Unit {\n    contract {\n        returns() implies value\n    }\n    require(value) {\n        "Failed requirement." }\n}\n\n/**\n * Throws an [IllegalArgumentException] with the result of calling

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[lazyMessage] if the [value] is false.\n * \n * @sample samples.misc.Preconditions.failRequireWithLazyMessage\n
*\n@kotlin.internal.InlineOnly\npublic inline fun require(value: Boolean, lazyMessage: () -> Any): Unit {\n
contract {\n    returns() implies value\n } \n if (!value) {\n    val message = lazyMessage()\n    throw
IllegalArgumentException(message.toString())\n } \n}\n\n/**\n * Throws an [IllegalArgumentException] if the
[value] is null. Otherwise returns the not null value.\n *\n@kotlin.internal.InlineOnly\npublic inline fun <T : Any>
requireNotNull(value: T?): T {\n    contract {\n    returns() implies (value != null)\n } \n return
requireNotNull(value) { \"Required value was null.\" }\n}\n\n/**\n * Throws an [IllegalArgumentException] with
the result of calling [lazyMessage] if the [value] is null. Otherwise\n * returns the not null value.\n * \n * @sample
samples.misc.Preconditions.failRequireWithLazyMessage\n *\n@kotlin.internal.InlineOnly\npublic inline fun <T :
Any> requireNotNull(value: T?, lazyMessage: () -> Any): T {\n    contract {\n    returns() implies (value !=
null)\n } \n\n    if (value == null) {\n        val message = lazyMessage()\n        throw
IllegalArgumentException(message.toString())\n    } else {\n        return value\n    }\n}\n\n/**\n * Throws an
[IllegalStateException] if the [value] is false.\n * \n * @sample
samples.misc.Preconditions.failCheckWithLazyMessage\n *\n@kotlin.internal.InlineOnly\npublic inline fun
check(value: Boolean): Unit {\n    contract {\n    returns() implies value\n } \n check(value) { \"Check failed.\"
}\n}\n\n/**\n * Throws an [IllegalStateException] with the result of calling [lazyMessage] if the [value] is false.\n
*\n * @sample samples.misc.Preconditions.failCheckWithLazyMessage\n *\n@kotlin.internal.InlineOnly\npublic
inline fun check(value: Boolean, lazyMessage: () -> Any): Unit {\n    contract {\n    returns() implies value\n } \n
if (!value) {\n    val message = lazyMessage()\n    throw IllegalStateException(message.toString())\n } \n}\n\n/**\n *
Throws an [IllegalStateException] if the [value] is null. Otherwise\n * returns the not null value.\n * \n * @sample
samples.misc.Preconditions.failCheckWithLazyMessage\n *\n@kotlin.internal.InlineOnly\npublic
inline fun <T : Any> checkNotNull(value: T?): T {\n    contract {\n    returns() implies (value != null)\n } \n
return checkNotNull(value) { \"Required value was null.\" }\n}\n\n/**\n * Throws an [IllegalStateException] with
the result of calling [lazyMessage] if the [value] is null. Otherwise\n * returns the not null value.\n * \n * @sample
samples.misc.Preconditions.failCheckWithLazyMessage\n *\n@kotlin.internal.InlineOnly\npublic inline fun <T :
Any> checkNotNull(value: T?, lazyMessage: () -> Any): T {\n    contract {\n    returns() implies (value != null)\n
} \n\n    if (value == null) {\n        val message = lazyMessage()\n        throw
IllegalStateException(message.toString())\n    } else {\n        return value\n    }\n}\n\n/**\n * Throws an
[IllegalStateException] with the given [message].\n * \n * @sample samples.misc.Preconditions.failWithError\n
*\n@kotlin.internal.InlineOnly\npublic inline fun error(message: Any): Nothing = throw
IllegalStateException(message.toString())\n\n\", /*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *\n@package kotlin.collections\n\n// NOTE: THIS FILE IS AUTO-GENERATED
by the GenerateStandardLib.kt\n// See: https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\n//\nimport
kotlin.js.*\nimport primitiveArrayConcat\nimport withType\nimport kotlin.ranges.contains\nimport
kotlin.ranges.reversed\n\n/**\n * Returns an element at the given [index] or throws an
[IndexOutOfBoundsException] if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAt\n *\n@public actual fun <T> Array<out T>.elementAt(index:
Int): T {\n    return elementAtOrElse(index) { throw IndexOutOfBoundsException(\"index: $index, size: $size\") }\n
}\n}\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.\n * \n * @sample samples.collections.Collections.Elements.elementAt\n *\n@public
actual fun ByteArray.elementAt(index: Int): Byte {\n    return elementAtOrElse(index) { throw
IndexOutOfBoundsException(\"index: $index, size: $size\") }\n}\n}\n\n/**\n * Returns an element at the given
[index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAt\n *\n@public actual fun ShortArray.elementAt(index: Int): Short
{\n    return elementAtOrElse(index) { throw IndexOutOfBoundsException(\"index: $index, size: $size\") }\n
}\n}\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.\n * \n * @sample samples.collections.Collections.Elements.elementAt\n *\n@public

```

```

actual fun IntArray.elementAt(index: Int): Int {
    return elementAtOrElse(index) { throw
IndexOutOfBoundsException("index: $index, size: $size") }
}

/**
 * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.
 * @sample samples.collections.Collections.Elements.elementAt
 */
public actual fun LongArray.elementAt(index: Int): Long {
    return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size") }
}

/**
 * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.
 * @sample samples.collections.Collections.Elements.elementAt
 */
public actual fun FloatArray.elementAt(index: Int): Float {
    return elementAtOrElse(index) { throw
IndexOutOfBoundsException("index: $index, size: $size") }
}

/**
 * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.
 * @sample samples.collections.Collections.Elements.elementAt
 */
public actual fun DoubleArray.elementAt(index: Int): Double {
    return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size") }
}

/**
 * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.
 * @sample samples.collections.Collections.Elements.elementAt
 */
public actual fun BooleanArray.elementAt(index: Int): Boolean {
    return elementAtOrElse(index) { throw
IndexOutOfBoundsException("index: $index, size: $size") }
}

/**
 * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.
 * @sample samples.collections.Collections.Elements.elementAt
 */
public actual fun CharArray.elementAt(index: Int): Char {
    return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size") }
}

/**
 * Returns a [List] that wraps the original array.
 */
public actual fun <T> Array<out T>.asList(): List<T> {
    return ArrayList<T>(this.unsafeCast<Array<Any?>>())
}

/**
 * Returns a [List] that wraps the original array.
 */
@kotlin.internal.InlineOnly
public actual inline fun ByteArray.asList(): List<Byte> {
    return this.unsafeCast<Array<Byte>>().asList()
}

/**
 * Returns a [List] that wraps the original array.
 */
@kotlin.internal.InlineOnly
public actual inline fun ShortArray.asList(): List<Short> {
    return this.unsafeCast<Array<Short>>().asList()
}

/**
 * Returns a [List] that wraps the original array.
 */
@kotlin.internal.InlineOnly
public actual inline fun IntArray.asList(): List<Int> {
    return this.unsafeCast<Array<Int>>().asList()
}

/**
 * Returns a [List] that wraps the original array.
 */
@kotlin.internal.InlineOnly
public actual inline fun LongArray.asList(): List<Long> {
    return this.unsafeCast<Array<Long>>().asList()
}

/**
 * Returns a [List] that wraps the original array.
 */
@kotlin.internal.InlineOnly
public actual inline fun FloatArray.asList(): List<Float> {
    return this.unsafeCast<Array<Float>>().asList()
}

/**
 * Returns a [List] that wraps the original array.
 */
@kotlin.internal.InlineOnly
public actual inline fun DoubleArray.asList(): List<Double> {
    return this.unsafeCast<Array<Double>>().asList()
}

/**
 * Returns a [List] that wraps the original array.
 */
@kotlin.internal.InlineOnly
public actual inline fun BooleanArray.asList(): List<Boolean> {
    return this.unsafeCast<Array<Boolean>>().asList()
}

/**
 * Returns a [List] that wraps the original array.
 */
public actual fun CharArray.asList(): List<Char> {
    return object : ArrayList<Char>(), RandomAccess {
        override val size: Int get() = this@asList.size
        override fun isEmpty(): Boolean = this@asList.isEmpty()
        override fun contains(element: Char): Boolean = this@asList.contains(element)
        override fun get(index: Int): Char {
            ArrayList.checkElementIndex(index, size)
            return this@asList[index]
        }
        override fun indexOf(element: Char): Int {
            if ((element as Any?) !is Char) return -1
            return this@asList.indexOf(element)
        }
        override fun lastIndexOf(element: Char): Int {
            if ((element as Any?) !is Char) return -1
            return this@asList.lastIndexOf(element)
        }
    }
}

/**
 * Returns `true` if the two specified arrays are *deeply* equal to one another, i.e. contain the same number of the same elements in the same order.
 * If two corresponding elements are nested arrays, they are also compared deeply.
 * If any of arrays contains itself on any nesting level the behavior is undefined.
 * The elements of other types are compared for equality with the [equals][Any.equals] function.
 * For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.
 */
@SinceKotlin("1.1")
@library("arrayDeepEquals")
public actual infix fun <T> Array<out

```


`T>.contentDeepEquals(other: Array<out T>): Boolean` {`\n` definedExternally`\n`}`\n``\n``**\n` * Returns a hash code based on the contents of this array as if it is [List].`\n` * Nested arrays are treated as lists too.`\n` * `\n` * If any of arrays contains itself on any nesting level the behavior is undefined.`\n`

`*\n`@SinceKotlin("1.1")`\n`@library("arrayDeepHashCode")`\n`public actual fun <T> Array<out T>.contentDeepHashCode(): Int {`\n` definedExternally`\n`}`\n``\n``**\n` * Returns a string representation of the contents of this array as if it is a [List].`\n` * Nested arrays are treated as lists too.`\n` * `\n` * If any of arrays contains itself on any nesting level that reference`\n` * is rendered as ``[...]`` to prevent recursion.`\n` * `\n` * @sample samples.collections.Arrays.ContentOperations.contentDeepToString`\n`

`*\n`@SinceKotlin("1.1")`\n`@library("arrayDeepToString")`\n`public actual fun <T> Array<out T>.contentDeepToString(): String {`\n` definedExternally`\n`}`\n``\n``**\n` * Returns ``true`` if the two specified arrays are `*structurally*` equal to one another,`\n` * i.e. contain the same number of the same elements in the same order.`\n` * `\n` * The elements are compared for equality with the [equals][Any.equals] function.`\n` * For floating point numbers it means that ``NaN`` is equal to itself and ``-0.0`` is not equal to ``0.0``.`\n`

`*\n`@SinceKotlin("1.1")`\n`@library("arrayEquals")`\n`public actual infix fun <T> Array<out T>.contentEquals(other: Array<out T>): Boolean {`\n` definedExternally`\n`}`\n``\n``**\n` * Returns ``true`` if the two specified arrays are `*structurally*` equal to one another,`\n` * i.e. contain the same number of the same elements in the same order.`\n` * `\n` * The elements are compared for equality with the [equals][Any.equals] function.`\n` * For floating point numbers it means that ``NaN`` is equal to itself and ``-0.0`` is not equal to ``0.0``.`\n`

`*\n`@SinceKotlin("1.1")`\n`@library("arrayEquals")`\n`public actual infix fun ByteArray.contentEquals(other: ByteArray): Boolean {`\n` definedExternally`\n`}`\n``\n``**\n` * Returns ``true`` if the two specified arrays are `*structurally*` equal to one another,`\n` * i.e. contain the same number of the same elements in the same order.`\n` * `\n` * The elements are compared for equality with the [equals][Any.equals] function.`\n` * For floating point numbers it means that ``NaN`` is equal to itself and ``-0.0`` is not equal to ``0.0``.`\n`

`*\n`@SinceKotlin("1.1")`\n`@library("arrayEquals")`\n`public actual infix fun ShortArray.contentEquals(other: ShortArray): Boolean {`\n` definedExternally`\n`}`\n``\n``**\n` * Returns ``true`` if the two specified arrays are `*structurally*` equal to one another,`\n` * i.e. contain the same number of the same elements in the same order.`\n` * `\n` * The elements are compared for equality with the [equals][Any.equals] function.`\n` * For floating point numbers it means that ``NaN`` is equal to itself and ``-0.0`` is not equal to ``0.0``.`\n`

`*\n`@SinceKotlin("1.1")`\n`@library("arrayEquals")`\n`public actual infix fun IntArray.contentEquals(other: IntArray): Boolean {`\n` definedExternally`\n`}`\n``\n``**\n` * Returns ``true`` if the two specified arrays are `*structurally*` equal to one another,`\n` * i.e. contain the same number of the same elements in the same order.`\n` * `\n` * The elements are compared for equality with the [equals][Any.equals] function.`\n` * For floating point numbers it means that ``NaN`` is equal to itself and ``-0.0`` is not equal to ``0.0``.`\n`

`*\n`@SinceKotlin("1.1")`\n`@library("arrayEquals")`\n`public actual infix fun LongArray.contentEquals(other: LongArray): Boolean {`\n` definedExternally`\n`}`\n``\n``**\n` * Returns ``true`` if the two specified arrays are `*structurally*` equal to one another,`\n` * i.e. contain the same number of the same elements in the same order.`\n` * `\n` * The elements are compared for equality with the [equals][Any.equals] function.`\n` * For floating point numbers it means that ``NaN`` is equal to itself and ``-0.0`` is not equal to ``0.0``.`\n`

`*\n`@SinceKotlin("1.1")`\n`@library("arrayEquals")`\n`public actual infix fun FloatArray.contentEquals(other: FloatArray): Boolean {`\n` definedExternally`\n`}`\n``\n``**\n` * Returns ``true`` if the two specified arrays are `*structurally*` equal to one another,`\n` * i.e. contain the same number of the same elements in the same order.`\n` * `\n` * The elements are compared for equality with the [equals][Any.equals] function.`\n` * For floating point numbers it means that ``NaN`` is equal to itself and ``-0.0`` is not equal to ``0.0``.`\n`

`*\n`@SinceKotlin("1.1")`\n`@library("arrayEquals")`\n`public actual infix fun DoubleArray.contentEquals(other: DoubleArray): Boolean {`\n` definedExternally`\n`}`\n``\n``**\n` * Returns ``true`` if the two specified arrays are `*structurally*` equal to one another,`\n` * i.e. contain the same number of the same elements in the same order.`\n` * `\n` * The elements are compared for equality with the [equals][Any.equals] function.`\n` * For floating point numbers it means that ``NaN`` is equal to itself and ``-0.0`` is not equal to ``0.0``.`\n`

```

*\n@SinceKotlin("1.1")\n@library("arrayEquals")\npublic actual infix fun BooleanArray.contentEquals(other: BooleanArray): Boolean {\n    definedExternally\n}\n\n/**\n * Returns `true` if the two specified arrays are *structurally* equal to one another,\n * i.e. contain the same number of the same elements in the same order.\n * \n * The elements are compared for equality with the [equals][Any.equals] function.\n * For floating point numbers it means that `NaN` is equal to itself and `-0.0` is not equal to `0.0`.\n */
*\n@SinceKotlin("1.1")\n@library("arrayEquals")\npublic actual infix fun CharArray.contentEquals(other: CharArray): Boolean {\n    definedExternally\n}\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n */
*\n@SinceKotlin("1.1")\n@library("arrayHashCode")\npublic actual fun <T> Array<out T>.contentHashCode(): Int {\n    definedExternally\n}\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n */
*\n@SinceKotlin("1.1")\n@library("arrayHashCode")\npublic actual fun ByteArray.contentHashCode(): Int {\n    definedExternally\n}\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n */
*\n@SinceKotlin("1.1")\n@library("arrayHashCode")\npublic actual fun ShortArray.contentHashCode(): Int {\n    definedExternally\n}\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n */
*\n@SinceKotlin("1.1")\n@library("arrayHashCode")\npublic actual fun IntArray.contentHashCode(): Int {\n    definedExternally\n}\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n */
*\n@SinceKotlin("1.1")\n@library("arrayHashCode")\npublic actual fun LongArray.contentHashCode(): Int {\n    definedExternally\n}\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n */
*\n@SinceKotlin("1.1")\n@library("arrayHashCode")\npublic actual fun FloatArray.contentHashCode(): Int {\n    definedExternally\n}\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n */
*\n@SinceKotlin("1.1")\n@library("arrayHashCode")\npublic actual fun DoubleArray.contentHashCode(): Int {\n    definedExternally\n}\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n */
*\n@SinceKotlin("1.1")\n@library("arrayHashCode")\npublic actual fun BooleanArray.contentHashCode(): Int {\n    definedExternally\n}\n\n/**\n * Returns a hash code based on the contents of this array as if it is [List].\n */
*\n@SinceKotlin("1.1")\n@library("arrayHashCode")\npublic actual fun CharArray.contentHashCode(): Int {\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n */
\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n */
*\n@SinceKotlin("1.1")\n@library("arrayToString")\npublic actual fun <T> Array<out T>.contentToString(): String {\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n */
\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n */
*\n@SinceKotlin("1.1")\n@library("arrayToString")\npublic actual fun ByteArray.contentToString(): String {\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n */
\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n */
*\n@SinceKotlin("1.1")\n@library("arrayToString")\npublic actual fun ShortArray.contentToString(): String {\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n */
\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n */
*\n@SinceKotlin("1.1")\n@library("arrayToString")\npublic actual fun IntArray.contentToString(): String {\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n */
\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n */
*\n@SinceKotlin("1.1")\n@library("arrayToString")\npublic actual fun LongArray.contentToString(): String {\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n */
\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n */
*\n@SinceKotlin("1.1")\n@library("arrayToString")\npublic actual fun FloatArray.contentToString(): String {\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n */
\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n */
*\n@SinceKotlin("1.1")\n@library("arrayToString")\npublic actual fun DoubleArray.contentToString(): String {\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is [List].\n */
\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n */

```

```

*\n@SinceKotlin("1.1")\n@library("arrayToString")\npublic actual fun BooleanArray.contentToString(): String
{\n    definedExternally\n}\n\n/**\n * Returns a string representation of the contents of the specified array as if it is
[List].\n * \n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.1")\n@library("arrayToString")\npublic actual fun CharArray.contentToString(): String {\n
definedExternally\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that
array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it
overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset
the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of
the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this
array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex]
or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws
IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified
[destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the
[destination] array.\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT
_ARGUMENTS")\npublic actual inline fun <T> Array<out T>.copyInto(destination: Array<T>, destinationOffset:
Int = 0, startIndex: Int = 0, endIndex: Int = size): Array<T> {\n    arrayCopy(this, destination, destinationOffset,
startIndex, endIndex)\n    return destination\n}\n\n/**\n * Copies this array or its subrange into the [destination]
array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the
subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n *
@param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the
beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the
subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or
[IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex
> endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array
starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices
range.\n * \n * @return the [destination] array.\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT
_ARGUMENTS")\npublic actual inline fun ByteArray.copyInto(destination: ByteArray, destinationOffset: Int = 0,
startIndex: Int = 0, endIndex: Int = size): ByteArray {\n    arrayCopy(this.unsafeCast<Array<Byte>>(),
destination.unsafeCast<Array<Byte>>(), destinationOffset, startIndex, endIndex)\n    return destination\n}\n\n/**\n
* Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass
the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n *
\n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to
copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n *
@param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws
IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this
array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange
doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out
of the [destination] array indices range.\n * \n * @return the [destination] array.\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT
_ARGUMENTS")\npublic actual inline fun ShortArray.copyInto(destination: ShortArray, destinationOffset: Int =
0, startIndex: Int = 0, endIndex: Int = size): ShortArray {\n    arrayCopy(this.unsafeCast<Array<Short>>(),
destination.unsafeCast<Array<Short>>(), destinationOffset, startIndex, endIndex)\n    return destination\n}\n\n/**\n
* Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass
the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n *
\n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to
copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n *

```

@param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n

```
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual inline fun IntArray.copyInto(destination: IntArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): IntArray {\n    arrayCopy(this.unsafeCast<Array<Int>>(), destination.unsafeCast<Array<Int>>(), destinationOffset, startIndex, endIndex)\n    return destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n
```

```
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual inline fun LongArray.copyInto(destination: LongArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): LongArray {\n    arrayCopy(this.unsafeCast<Array<Long>>(), destination.unsafeCast<Array<Long>>(), destinationOffset, startIndex, endIndex)\n    return destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n
```

```
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual inline fun FloatArray.copyInto(destination: FloatArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): FloatArray {\n    arrayCopy(this.unsafeCast<Array<Float>>(), destination.unsafeCast<Array<Float>>(), destinationOffset, startIndex, endIndex)\n    return destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n
```

```
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual inline fun DoubleArray.copyInto(destination: DoubleArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): DoubleArray {\n    arrayCopy(this.unsafeCast<Array<Double>>(), destination.unsafeCast<Array<Double>>(), destinationOffset, startIndex, endIndex)\n    return destination\n}
```

destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n

```

*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual inline fun BooleanArray.copyInto(destination: BooleanArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): BooleanArray {\n
arrayCopy(this.unsafeCast<Array<Boolean>>(), destination.unsafeCast<Array<Boolean>>(), destinationOffset, startIndex, endIndex)\n
return destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n * It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n * @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices range.\n * \n * @return the [destination] array.\n
```

```

*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic actual inline fun CharArray.copyInto(destination: CharArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size): CharArray {\n
arrayCopy(this.unsafeCast<Array<Char>>(), destination.unsafeCast<Array<Char>>(), destinationOffset, startIndex, endIndex)\n
return destination\n}\n\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n *\n@Suppress("ACTUAL_WITHOUT_EXPECT", "NOTHING_TO_INLINE")\npublic actual inline fun <T> Array<out T>.copyOf(): Array<T> {\n
return this.asDynamic().slice()\n}\n\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n *\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline fun ByteArray.copyOfOf(): ByteArray {\n
return this.asDynamic().slice()\n}\n\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n *\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline fun ShortArray.copyOfOf(): ShortArray {\n
return this.asDynamic().slice()\n}\n\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n *\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline fun IntArray.copyOfOf(): IntArray {\n
return this.asDynamic().slice()\n}\n\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n *\n@Suppress("NOTHING_TO_INLINE")\npublic actual fun LongArray.copyOfOf(): LongArray {\n
return withType("LongArray", this.asDynamic().slice())\n}\n\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n *\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline fun FloatArray.copyOfOf(): FloatArray {\n
return this.asDynamic().slice()\n}\n\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n *\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline fun DoubleArray.copyOfOf(): DoubleArray {\n
return this.asDynamic().slice()\n}\n\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample

```

```

samples.collections.Arrays.CopyOfOperations.copyOfOf\n *\npublic actual fun BooleanArray.copyOfOf():
BooleanArray {\n  return withType(\n"BooleanArray\n", this.asDynamic().slice())\n}\n\n/**\n * Returns new array
which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n
*\npublic actual fun CharArray.copyOfOf(): CharArray {\n  return withType(\n"CharArray\n",
this.asDynamic().slice())\n}\n\n/**\n * Returns new array which is a copy of the original array, resized to the given
[newSize].\n * The copy is either truncated or padded at the end with zero values if necessary.\n * \n * - If [newSize]
is less than the size of the original array, the copy array is truncated to the [newSize].\n * - If [newSize] is greater
than the size of the original array, the extra elements in the copy array are filled with zero values.\n * \n * @sample
samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n *\npublic actual fun
ByteArray.copyOfOf(newSize: Int): ByteArray {\n  require(newSize >= 0) { \n"Invalid new array size: $newSize.\n"
}\n  return fillFrom(this, ByteArray(newSize))\n}\n\n/**\n * Returns new array which is a copy of the original
array, resized to the given [newSize].\n * The copy is either truncated or padded at the end with zero values if
necessary.\n * \n * - If [newSize] is less than the size of the original array, the copy array is truncated to the
[newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are
filled with zero values.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n
*\npublic actual fun ShortArray.copyOfOf(newSize: Int): ShortArray {\n  require(newSize >= 0) { \n"Invalid new
array size: $newSize.\n" }\n  return fillFrom(this, ShortArray(newSize))\n}\n\n/**\n * Returns new array which is a
copy of the original array, resized to the given [newSize].\n * The copy is either truncated or padded at the end with
zero values if necessary.\n * \n * - If [newSize] is less than the size of the original array, the copy array is truncated
to the [newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements in the copy array
are filled with zero values.\n * \n * @sample
samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n *\npublic actual fun
IntArray.copyOfOf(newSize: Int): IntArray {\n  require(newSize >= 0) { \n"Invalid new array size: $newSize.\n" }\n
return fillFrom(this, IntArray(newSize))\n}\n\n/**\n * Returns new array which is a copy of the original array,
resized to the given [newSize].\n * The copy is either truncated or padded at the end with zero values if necessary.\n
* \n * - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].\n * - If
[newSize] is greater than the size of the original array, the extra elements in the copy array are filled with zero
values.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n *\npublic actual
fun LongArray.copyOfOf(newSize: Int): LongArray {\n  require(newSize >= 0) { \n"Invalid new array size:
$newSize.\n" }\n  return withType(\n"LongArray\n", arrayCopyResize(this, newSize, 0L))\n}\n\n/**\n * Returns new
array which is a copy of the original array, resized to the given [newSize].\n * The copy is either truncated or padded
at the end with zero values if necessary.\n * \n * - If [newSize] is less than the size of the original array, the copy
array is truncated to the [newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements
in the copy array are filled with zero values.\n * \n * @sample
samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n *\npublic actual fun
FloatArray.copyOfOf(newSize: Int): FloatArray {\n  require(newSize >= 0) { \n"Invalid new array size: $newSize.\n"
}\n  return fillFrom(this, FloatArray(newSize))\n}\n\n/**\n * Returns new array which is a copy of the original
array, resized to the given [newSize].\n * The copy is either truncated or padded at the end with zero values if
necessary.\n * \n * - If [newSize] is less than the size of the original array, the copy array is truncated to the
[newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are
filled with zero values.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n
*\npublic actual fun DoubleArray.copyOfOf(newSize: Int): DoubleArray {\n  require(newSize >= 0) { \n"Invalid new
array size: $newSize.\n" }\n  return fillFrom(this, DoubleArray(newSize))\n}\n\n/**\n * Returns new array which is
a copy of the original array, resized to the given [newSize].\n * The copy is either truncated or padded at the end
with `false` values if necessary.\n * \n * - If [newSize] is less than the size of the original array, the copy array is
truncated to the [newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements in the
copy array are filled with `false` values.\n * \n * @sample
samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf\n *\npublic actual fun

```

```

BooleanArray.copyOf(newSize: Int): BooleanArray {
  require(newSize >= 0) { "Invalid new array size: $newSize." }
  return withType("BooleanArray", arrayCopyResize(this, newSize, false))
}
// Returns new array which is a copy of the original array, resized to the given [newSize].
// The copy is either truncated or padded at the end with null char ('\u0000') values if necessary.
// - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].
// - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with null char ('\u0000') values.
// @sample
samples.collections.Arrays.CopyOfOperations.resizedPrimitiveCopyOf

public actual fun
CharArray.copyOf(newSize: Int): CharArray {
  require(newSize >= 0) { "Invalid new array size: $newSize." }
  return withType("CharArray", fillFrom(this, CharArray(newSize)))
}
// Returns new array which is a copy of the original array, resized to the given [newSize].
// The copy is either truncated or padded at the end with `null` values if necessary.
// - If [newSize] is less than the size of the original array, the copy array is truncated to the [newSize].
// - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with `null` values.
// @sample
samples.collections.Arrays.CopyOfOperations.resizingCopyOf

@Suppress("ACTUAL_WITHOUT_EXPECT")
public actual fun <T> Array<out T>.copyOf(newSize: Int): Array<T?> {
  require(newSize >= 0) { "Invalid new array size: $newSize." }
  return arrayCopyResize(this, newSize, null)
}
// Returns a new array which is a copy of the specified range of the original array.
// @param fromIndex the start of the range (inclusive), must be in `0..array.size`
// @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`

@Suppress("ACTUAL_WITHOUT_EXPECT")
public actual fun <T> Array<out T>.copyOfRange(fromIndex: Int, toIndex: Int): Array<T> {
  AbstractList.checkRangeIndexes(fromIndex, toIndex, size)
  return this.asDynamic().slice(fromIndex, toIndex)
}
// Returns a new array which is a copy of the specified range of the original array.
// @param fromIndex the start of the range (inclusive), must be in `0..array.size`
// @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`

public actual fun ByteArray.copyOfRange(fromIndex: Int, toIndex: Int): ByteArray {
  AbstractList.checkRangeIndexes(fromIndex, toIndex, size)
  return this.asDynamic().slice(fromIndex, toIndex)
}
// Returns a new array which is a copy of the specified range of the original array.
// @param fromIndex the start of the range (inclusive), must be in `0..array.size`
// @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`

public actual fun ShortArray.copyOfRange(fromIndex: Int, toIndex: Int): ShortArray {
  AbstractList.checkRangeIndexes(fromIndex, toIndex, size)
  return this.asDynamic().slice(fromIndex, toIndex)
}
// Returns a new array which is a copy of the specified range of the original array.
// @param fromIndex the start of the range (inclusive), must be in `0..array.size`
// @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`

public actual fun IntArray.copyOfRange(fromIndex: Int, toIndex: Int): IntArray {
  AbstractList.checkRangeIndexes(fromIndex, toIndex, size)
  return this.asDynamic().slice(fromIndex, toIndex)
}
// Returns a new array which is a copy of the specified range of the original array.
// @param fromIndex the start of the range (inclusive), must be in `0..array.size`
// @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`

public actual fun LongArray.copyOfRange(fromIndex: Int, toIndex: Int): LongArray {
  AbstractList.checkRangeIndexes(fromIndex, toIndex, size)
  return withType("LongArray", this.asDynamic().slice(fromIndex, toIndex))
}
// Returns a new array which is a copy of the specified range of the original array.
// @param fromIndex the start of the range (inclusive), must be in `0..array.size`
// @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`

public actual fun FloatArray.copyOfRange(fromIndex: Int, toIndex: Int): FloatArray {
  AbstractList.checkRangeIndexes(fromIndex, toIndex, size)
  return this.asDynamic().slice(fromIndex, toIndex)
}
// Returns a new array which is a copy of the specified range of the original array.
// @param fromIndex the start of the range (inclusive), must be in `0..array.size`
// @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`

public actual fun DoubleArray.copyOfRange(fromIndex: Int, toIndex: Int): DoubleArray {
  AbstractList.checkRangeIndexes(fromIndex, toIndex, size)
  return

```

```

this.asDynamic().slice(fromIndex, toIndex)\n}\n\n/**\n * Returns a new array which is a copy of the specified range
of the original array.\n * \n * @param fromIndex the start of the range (inclusive), must be in `0..array.size`\n *
@param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`\n */\npublic actual fun
BooleanArray.copyOfRange(fromIndex: Int, toIndex: Int): BooleanArray {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  return withType(`BooleanArray`,
this.asDynamic().slice(fromIndex, toIndex))\n}\n\n/**\n * Returns a new array which is a copy of the specified
range of the original array.\n * \n * @param fromIndex the start of the range (inclusive), must be in `0..array.size`\n
* @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`\n */\npublic actual fun
CharArray.copyOfRange(fromIndex: Int, toIndex: Int): CharArray {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  return withType(`CharArray`,
this.asDynamic().slice(fromIndex, toIndex))\n}\n\n/**\n * Fills this array or its subrange with the specified
[element] value.\n * \n * @param fromIndex the start of the range (inclusive), 0 by default.\n * @param toIndex the
end of the range (exclusive), size of this array by default.\n * \n * @throws IndexOutOfBoundsException if
[fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws
IllegalArgumentOutOfRangeException if [fromIndex] is greater than [toIndex].\n
*\n*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun <T> Array<T>.fill(element: T, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive), 0 by default.\n * @param toIndex the end of the range (exclusive), size
of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex]
is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than
[toIndex].\n
*\n*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun ByteArray.fill(element: Byte, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive), 0 by default.\n * @param toIndex the end of the range (exclusive), size
of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex]
is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than
[toIndex].\n
*\n*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun ShortArray.fill(element: Short, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive), 0 by default.\n * @param toIndex the end of the range (exclusive), size
of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex]
is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than
[toIndex].\n
*\n*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic
actual fun IntArray.fill(element: Int, fromIndex: Int = 0, toIndex: Int = size): Unit {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, size)\n  this.asDynamic().fill(element, fromIndex,
toIndex);\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param
fromIndex the start of the range (inclusive), 0 by default.\n * @param toIndex the end of the range (exclusive), size
of this array by default.\n * \n * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex]
is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than
[toIndex].\n
*\n*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\npublic

```



```

actual fun LongArray.fill(element: Long, fromIndex: Int = 0, toIndex: Int = size): Unit {
  AbstractList.checkRangeIndexes(fromIndex, toIndex, size)
  this.asDynamic().fill(element, fromIndex, toIndex);
}

/**
 * Fills this array or its subrange with the specified [element] value.
 * @param fromIndex the start of the range (inclusive), 0 by default.
 * @param toIndex the end of the range (exclusive), size of this array by default.
 * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.
 * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].
 */
@SinceKotlin("1.3")
@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")
public actual fun FloatArray.fill(element: Float, fromIndex: Int = 0, toIndex: Int = size): Unit {
  AbstractList.checkRangeIndexes(fromIndex, toIndex, size)
  this.asDynamic().fill(element, fromIndex, toIndex);
}

/**
 * Fills this array or its subrange with the specified [element] value.
 * @param fromIndex the start of the range (inclusive), 0 by default.
 * @param toIndex the end of the range (exclusive), size of this array by default.
 * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.
 * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].
 */
@SinceKotlin("1.3")
@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")
public actual fun DoubleArray.fill(element: Double, fromIndex: Int = 0, toIndex: Int = size): Unit {
  AbstractList.checkRangeIndexes(fromIndex, toIndex, size)
  this.asDynamic().fill(element, fromIndex, toIndex);
}

/**
 * Fills this array or its subrange with the specified [element] value.
 * @param fromIndex the start of the range (inclusive), 0 by default.
 * @param toIndex the end of the range (exclusive), size of this array by default.
 * @throws IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.
 * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].
 */
@SinceKotlin("1.3")
@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")
public actual fun BooleanArray.fill(element: Boolean, fromIndex: Int = 0, toIndex: Int = size): Unit {
  AbstractList.checkRangeIndexes(fromIndex, toIndex, size)
  this.asDynamic().fill(element, fromIndex, toIndex);
}

/**
 * Returns an array containing all elements of the original array and then the given [element].
 */
@Suppress("ACTUAL_WITHOUT_EXPECT", "NOTHING_TO_INLINE")
public actual inline operator fun <T> Array<out T>.plus(element: T): Array<T> {
  return this.asDynamic().concat(arrayOf(element));
}

/**
 * Returns an array containing all elements of the original array and then the given [element].
 */
@Suppress("NOTHING_TO_INLINE")
public actual inline operator fun ByteArray.plus(element: Byte): ByteArray {
  return plus(byteArrayOf(element));
}

/**
 * Returns an array containing all elements of the original array and then the given [element].
 */
@Suppress("NOTHING_TO_INLINE")
public actual inline operator fun ShortArray.plus(element: Short): ShortArray {
  return plus(shortArrayOf(element));
}

/**
 * Returns an array containing all elements of the original array and then the given [element].
 */
@Suppress("NOTHING_TO_INLINE")
public actual inline operator fun IntArray.plus(element: Int): IntArray {
  return plus(intArrayOf(element));
}

/**
 * Returns an array containing all elements of the original array and then the given [element].
 */
@Suppress("NOTHING_TO_INLINE")
public actual inline operator fun LongArray.plus(element: Long): LongArray {
  return plus(longArrayOf(element));
}

```

original array and then the given [element].\n *
`@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun FloatArray.plus(element: Float): FloatArray {\n return plus(floatArrayOf(element))\n}\n\n/**\n * Returns an array containing all elements of the original array and then the given [element].\n *
@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun DoubleArray.plus(element: Double): DoubleArray {\n return plus(doubleArrayOf(element))\n}\n\n/**\n * Returns an array containing all elements of the original array and then the given [element].\n *
@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun BooleanArray.plus(element: Boolean): BooleanArray {\n return plus(booleanArrayOf(element))\n}\n\n/**\n * Returns an array containing all elements of the original array and then the given [element].\n *
@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun CharArray.plus(element: Char): CharArray {\n return plus(charArrayOf(element))\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n *
@Suppress("ACTUAL_WITHOUT_EXPECT")\npublic actual operator fun <T> Array<out T>.plus(elements: Collection<T>): Array<T> {\n return arrayPlusCollection(this, elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n *
@Suppress("ACTUAL_WITHOUT_EXPECT")\npublic actual operator fun ByteArray.plus(elements: Collection<Byte>): ByteArray {\n return fillFromCollection(this.copyOf(size + elements.size), this.size, elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n *
@Suppress("ACTUAL_WITHOUT_EXPECT")\npublic actual operator fun ShortArray.plus(elements: Collection<Short>): ShortArray {\n return fillFromCollection(this.copyOf(size + elements.size), this.size, elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n *
@Suppress("ACTUAL_WITHOUT_EXPECT")\npublic actual operator fun IntArray.plus(elements: Collection<Int>): IntArray {\n return fillFromCollection(this.copyOf(size + elements.size), this.size, elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n *
@Suppress("ACTUAL_WITHOUT_EXPECT")\npublic actual operator fun LongArray.plus(elements: Collection<Long>): LongArray {\n return arrayPlusCollection(this, elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n *
@Suppress("ACTUAL_WITHOUT_EXPECT")\npublic actual operator fun FloatArray.plus(elements: Collection<Float>): FloatArray {\n return fillFromCollection(this.copyOf(size + elements.size), this.size, elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n *
@Suppress("ACTUAL_WITHOUT_EXPECT")\npublic actual operator fun DoubleArray.plus(elements: Collection<Double>): DoubleArray {\n return fillFromCollection(this.copyOf(size + elements.size), this.size, elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n *
@Suppress("ACTUAL_WITHOUT_EXPECT")\npublic actual operator fun BooleanArray.plus(elements: Collection<Boolean>): BooleanArray {\n return arrayPlusCollection(this, elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] collection.\n *
@Suppress("ACTUAL_WITHOUT_EXPECT")\npublic actual operator fun CharArray.plus(elements: Collection<Char>): CharArray {\n return fillFromCollection(this.copyOf(size + elements.size), this.size, elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n *
@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun <T> Array<out T>.plus(elements: Array<out T>): Array<T> {\n return this.asDynamic().concat(elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n *
@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun ByteArray.plus(elements: ByteArray): ByteArray {\n return primitiveArrayConcat(this, elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n *
@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun ShortArray.plus(elements: ShortArray): ShortArray {\n return primitiveArrayConcat(this, elements)\n}\n\n/**\n * Returns an array containing all elements of the original array and then all elements of the given [elements] array.\n *
@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun IntArray.plus(elements: IntArray): IntArray {\n return primitiveArrayConcat(this, elements)\n}\n\n/**\n * Returns an array containing all elements of`

the original array and then all elements of the given [elements] array.\n

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*\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun LongArray.plus(elements:
LongArray): LongArray {\n    return primitiveArrayConcat(this, elements)\n}\n\n/**\n * Returns an array
containing all elements of the original array and then all elements of the given [elements] array.\n
*\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun FloatArray.plus(elements:
FloatArray): FloatArray {\n    return primitiveArrayConcat(this, elements)\n}\n\n/**\n * Returns an array containing
all elements of the original array and then all elements of the given [elements] array.\n
*\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun DoubleArray.plus(elements:
DoubleArray): DoubleArray {\n    return primitiveArrayConcat(this, elements)\n}\n\n/**\n * Returns an array
containing all elements of the original array and then all elements of the given [elements] array.\n
*\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun BooleanArray.plus(elements:
BooleanArray): BooleanArray {\n    return primitiveArrayConcat(this, elements)\n}\n\n/**\n * Returns an array
containing all elements of the original array and then all elements of the given [elements] array.\n
*\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline operator fun CharArray.plus(elements:
CharArray): CharArray {\n    return primitiveArrayConcat(this, elements)\n}\n\n/**\n * Returns an array containing
all elements of the original array and then the given [element].\n
*\n@Suppress("ACTUAL_WITHOUT_EXPECT", "NOTHING_TO_INLINE")\npublic actual inline fun <T>
Array<out T>.plusElement(element: T): Array<T> {\n    return
this.asDynamic().concat(arrayOf(element))\n}\n\n/**\n * Sorts the array in-place.\n * \n * @sample
samples.collections.Arrays.Sorting.sortArray\n *\n@library("primitiveArraySort")\npublic actual fun
IntArray.sort(): Unit {\n    definedExternally\n}\n\n/**\n * Sorts the array in-place.\n * \n * @sample
samples.collections.Arrays.Sorting.sortArray\n *\npublic actual fun LongArray.sort(): Unit {\n    if (size > 1) sort {
a: Long, b: Long -> a.compareTo(b) }\n}\n\n/**\n * Sorts the array in-place.\n * \n * @sample
samples.collections.Arrays.Sorting.sortArray\n *\n@library("primitiveArraySort")\npublic actual fun
ByteArray.sort(): Unit {\n    definedExternally\n}\n\n/**\n * Sorts the array in-place.\n * \n * @sample
samples.collections.Arrays.Sorting.sortArray\n *\n@library("primitiveArraySort")\npublic actual fun
ShortArray.sort(): Unit {\n    definedExternally\n}\n\n/**\n * Sorts the array in-place.\n * \n * @sample
samples.collections.Arrays.Sorting.sortArray\n *\n@library("primitiveArraySort")\npublic actual fun
DoubleArray.sort(): Unit {\n    definedExternally\n}\n\n/**\n * Sorts the array in-place.\n * \n * @sample
samples.collections.Arrays.Sorting.sortArray\n *\n@library("primitiveArraySort")\npublic actual fun
FloatArray.sort(): Unit {\n    definedExternally\n}\n\n/**\n * Sorts the array in-place.\n * \n * @sample
samples.collections.Arrays.Sorting.sortArray\n *\n@library("primitiveArraySort")\npublic actual fun
CharArray.sort(): Unit {\n    definedExternally\n}\n\n/**\n * Sorts the array in-place according to the natural order
of its elements.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other
after sorting.\n * \n * @sample samples.collections.Arrays.Sorting.sortArrayOfComparable\n *\npublic actual fun
<T : Comparable<T>> Array<out T>.sort(): Unit {\n    if (size > 1) sortArray(this)\n}\n\n/**\n * Sorts the array in-
place according to the order specified by the given [comparison] function.\n * \n * The sort is _stable_. It means that
equal elements preserve their order relative to each other after sorting.\n *\npublic fun <T> Array<out
T>.sort(comparison: (a: T, b: T) -> Int): Unit {\n    if (size > 1) sortArrayWith(this, comparison)\n}\n\n/**\n * Sorts
the array in-place according to the order specified by the given [comparison] function.\n
*\n@kotlin.internal.InlineOnly\npublic inline fun ByteArray.sort(noinline comparison: (a: Byte, b: Byte) -> Int):
Unit {\n    asDynamic().sort(comparison)\n}\n\n/**\n * Sorts the array in-place according to the order specified by
the given [comparison] function.\n *\n@kotlin.internal.InlineOnly\npublic inline fun ShortArray.sort(noinline
comparison: (a: Short, b: Short) -> Int): Unit {\n    asDynamic().sort(comparison)\n}\n\n/**\n * Sorts the array in-
place according to the order specified by the given [comparison] function.\n *\n@kotlin.internal.InlineOnly\npublic
inline fun IntArray.sort(noinline comparison: (a: Int, b: Int) -> Int): Unit {\n
asDynamic().sort(comparison)\n}\n\n/**\n * Sorts the array in-place according to the order specified by the given
[comparison] function.\n *\n@kotlin.internal.InlineOnly\npublic inline fun LongArray.sort(noinline comparison:

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(a: Long, b: Long) -> Int): Unit {\n  asDynamic().sort(comparison)\n}\n\n/**\n * Sorts the array in-place according
to the order specified by the given [comparison] function.\n */\n@kotlin.internal.InlineOnly\npublic inline fun
FloatArray.sort(noinline comparison: (a: Float, b: Float) -> Int): Unit {\n
asDynamic().sort(comparison)\n}\n\n/**\n * Sorts the array in-place according to the order specified by the given
[comparison] function.\n */\n@kotlin.internal.InlineOnly\npublic inline fun DoubleArray.sort(noinline comparison:
(a: Double, b: Double) -> Int): Unit {\n  asDynamic().sort(comparison)\n}\n\n/**\n * Sorts the array in-place
according to the order specified by the given [comparison] function.\n */\n@kotlin.internal.InlineOnly\npublic
inline fun CharArray.sort(noinline comparison: (a: Char, b: Char) -> Int): Unit {\n
asDynamic().sort(comparison)\n}\n\n/**\n * Sorts the array in-place according to the order specified by the given
[comparator].\n */\n * The sort is _stable_. It means that equal elements preserve their order relative to each other
after sorting.\n */\npublic actual fun <T> Array<out T>.sortWith(comparator: Comparator<in T>): Unit {\n  if
(size > 1) sortArrayWith(this, comparator)\n}\n\n/**\n * Returns a *typed* object array containing all of the
elements of this primitive array.\n */\npublic actual fun ByteArray.toTypedArray(): Array<Byte> {\n  return
js("\[\]").slice.call(this)\n}\n\n/**\n * Returns a *typed* object array containing all of the elements of this primitive
array.\n */\npublic actual fun ShortArray.toTypedArray(): Array<Short> {\n  return
js("\[\]").slice.call(this)\n}\n\n/**\n * Returns a *typed* object array containing all of the elements of this primitive
array.\n */\npublic actual fun IntArray.toTypedArray(): Array<Int> {\n  return js("\[\]").slice.call(this)\n}\n\n/**\n
 * Returns a *typed* object array containing all of the elements of this primitive array.\n */\npublic actual fun
LongArray.toTypedArray(): Array<Long> {\n  return js("\[\]").slice.call(this)\n}\n\n/**\n * Returns a *typed*
object array containing all of the elements of this primitive array.\n */\npublic actual fun
FloatArray.toTypedArray(): Array<Float> {\n  return js("\[\]").slice.call(this)\n}\n\n/**\n * Returns a *typed*
object array containing all of the elements of this primitive array.\n */\npublic actual fun
DoubleArray.toTypedArray(): Array<Double> {\n  return js("\[\]").slice.call(this)\n}\n\n/**\n * Returns a *typed*
object array containing all of the elements of this primitive array.\n */\npublic actual fun
BooleanArray.toTypedArray(): Array<Boolean> {\n  return js("\[\]").slice.call(this)\n}\n\n/**\n * Returns a
*typed* object array containing all of the elements of this primitive array.\n */\npublic actual fun
CharArray.toTypedArray(): Array<Char> {\n  return Array(size) { index -> this[index] }\n}\n\n"/\n * Copyright
2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed
by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
 */\n@file:kotlin.jvm.JvmName("ComparisonsKt")\n@file:kotlin.jvm.JvmMultifileClass\npackage
kotlin.comparisons\n\n/**\n * Compares two values using the specified functions [selectors] to calculate the result
of the comparison.\n * The functions are called sequentially, receive the given values [a] and [b] and return
[Comparable]\n * objects. As soon as the [Comparable] instances returned by a function for [a] and [b] values do
not\n * compare as equal, the result of that comparison is returned.\n */\n * @sample
samples.comparisons.Comparisons.compareValuesByWithSelectors\n */\npublic fun <T> compareValuesBy(a: T,
b: T, vararg selectors: (T) -> Comparable<*>?): Int {\n  require(selectors.size > 0)\n  return
compareValuesByImpl(a, b, selectors)\n}\n\nprivate fun <T> compareValuesByImpl(a: T, b: T, selectors:
Array<out (T) -> Comparable<*>?): Int {\n  for (fn in selectors) {\n    val v1 = fn(a)\n    val v2 = fn(b)\n
val diff = compareValues(v1, v2)\n    if (diff != 0) return diff\n  }\n  return 0\n}\n\n/**\n * Compares two
values using the specified [selector] function to calculate the result of the comparison.\n * The function is applied to
the given values [a] and [b] and return [Comparable] objects.\n * The result of comparison of these [Comparable]
instances is returned.\n */\n * @sample samples.comparisons.Comparisons.compareValuesByWithSingleSelector\n
 */\n@kotlin.internal.InlineOnly\npublic inline fun <T> compareValuesBy(a: T, b: T, selector: (T) ->
Comparable<*>?): Int {\n  return compareValues(selector(a), selector(b))\n}\n\n/**\n * Compares two values
using the specified [selector] function to calculate the result of the comparison.\n * The function is applied to the
given values [a] and [b] and return objects of type K which are then being\n * compared with the given
[comparator].\n */\n * @sample samples.comparisons.Comparisons.compareValuesByWithComparator\n
 */\n@kotlin.internal.InlineOnly\npublic inline fun <T, K> compareValuesBy(a: T, b: T, comparator: Comparator<in

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K>, selector: (T) -> K): Int { \n    return comparator.compare(selector(a), selector(b))\n}\n\n//// Not so useful without
type inference for receiver of expression\n//// compareValuesWith(v1, v2, compareBy { it.prop1 }
thenByDescending { it.prop2 })\n//**\n// * Compares two values using the specified [comparator].\n//
*/\n//@Suppress("NOTHING_TO_INLINE")\n//public inline fun <T> compareValuesWith(a: T, b: T, comparator:
Comparator<T>): Int = comparator.compare(a, b)\n/\n\n/**\n * Compares two nullable [Comparable] values. Null
is considered less than any value.\n * \n * @sample samples.comparisons.Comparisons.compareValues\n */\npublic
fun <T : Comparable<*>> compareValues(a: T?, b: T?): Int { \n    if (a === b) return 0\n    if (a == null) return -1\n
if (b == null) return 1\n    @Suppress("UNCHECKED_CAST")\n    return (a as
Comparable<Any>).compareTo(b)\n}\n\n/**\n * Creates a comparator using the sequence of functions to calculate a
result of comparison.\n * The functions are called sequentially, receive the given values `a` and `b` and return
[Comparable]\n * objects. As soon as the [Comparable] instances returned by a function for `a` and `b` values do
not\n * compare as equal, the result of that comparison is returned from the [Comparator].\n * \n * @sample
samples.comparisons.Comparisons.compareByWithSelectors\n */\npublic fun <T> compareBy(vararg selectors: (T)
-> Comparable<*>?): Comparator<T> { \n    require(selectors.size > 0)\n    return Comparator { a, b ->
compareValuesByImpl(a, b, selectors) }\n}\n\n/**\n * Creates a comparator using the function to transform value
to a [Comparable] instance for comparison.\n * \n * @sample
samples.comparisons.Comparisons.compareByWithSingleSelector\n */\n@kotlin.internal.InlineOnly\npublic inline
fun <T> compareBy(crossinline selector: (T) -> Comparable<*>?): Comparator<T> =\n    Comparator { a, b ->
compareValuesBy(a, b, selector) }\n\n/**\n * Creates a comparator using the [selector] function to transform values
being compared and then applying\n * the specified [comparator] to compare transformed values.\n * \n * @sample
samples.comparisons.Comparisons.compareByWithComparator\n */\n@kotlin.internal.InlineOnly\npublic inline
fun <T, K> compareBy(comparator: Comparator<in K>, crossinline selector: (T) -> K): Comparator<T> =\n    Comparator { a, b -> compareValuesBy(a, b, comparator, selector) }\n\n/**\n * Creates a descending comparator
using the function to transform value to a [Comparable] instance for comparison.\n * \n * @sample
samples.comparisons.Comparisons.compareByDescendingWithSingleSelector\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun <T> compareByDescending(crossinline selector: (T) ->
Comparable<*>?): Comparator<T> =\n    Comparator { a, b -> compareValuesBy(b, a, selector) }\n\n/**\n * Creates a descending comparator using the [selector] function to transform values being compared and then
applying\n * the specified [comparator] to compare transformed values.\n * \n * Note that an order of [comparator] is
reversed by this wrapper.\n * \n * @sample
samples.comparisons.Comparisons.compareByDescendingWithComparator\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun <T, K> compareByDescending(comparator: Comparator<in K>,
crossinline selector: (T) -> K): Comparator<T> =\n    Comparator { a, b -> compareValuesBy(b, a, comparator,
selector) }\n\n/**\n * Creates a comparator comparing values after the primary comparator defined them equal. It
uses\n * the function to transform value to a [Comparable] instance for comparison.\n * \n * @sample
samples.comparisons.Comparisons.thenBy\n */\n@kotlin.internal.InlineOnly\npublic inline fun <T>
Comparator<T>.thenBy(crossinline selector: (T) -> Comparable<*>?): Comparator<T> =\n    Comparator { a, b -
->\n        val previousCompare = this@thenBy.compare(a, b)\n        if (previousCompare != 0) previousCompare else
compareValuesBy(a, b, selector)\n    }\n\n/**\n * Creates a comparator comparing values after the primary
comparator defined them equal. It uses\n * the [selector] function to transform values and then compares them with
the given [comparator].\n * \n * @sample samples.comparisons.Comparisons.thenByWithComparator\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun <T, K> Comparator<T>.thenBy(comparator: Comparator<in K>,
crossinline selector: (T) -> K): Comparator<T> =\n    Comparator { a, b ->\n        val previousCompare =
this@thenBy.compare(a, b)\n        if (previousCompare != 0) previousCompare else compareValuesBy(a, b,
comparator, selector)\n    }\n\n/**\n * Creates a descending comparator using the primary comparator and\n * the
function to transform value to a [Comparable] instance for comparison.\n * \n * @sample
samples.comparisons.Comparisons.thenByDescending\n */\n@kotlin.internal.InlineOnly\npublic inline fun <T>
Comparator<T>.thenByDescending(crossinline selector: (T) -> Comparable<*>?): Comparator<T> =\n

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Comparator { a, b -> \n    val previousCompare = this@thenByDescending.compare(a, b)\n    if
(previousCompare != 0) previousCompare else compareValuesBy(b, a, selector)\n    }\n\n/**\n * Creates a
descending comparator comparing values after the primary comparator defined them equal. It uses\n * the [selector]
function to transform values and then compares them with the given [comparator].\n *\n * @sample
samples.comparisons.Comparisons.thenByDescendingWithComparator\n *\n@kotlin.internal.InlineOnly\npublic
inline fun <T, K> Comparator<T>.thenByDescending(comparator: Comparator<in K>, crossinline selector: (T) ->
K): Comparator<T> =\n    Comparator { a, b -> \n        val previousCompare = this@thenByDescending.compare(a,
b)\n        if (previousCompare != 0) previousCompare else compareValuesBy(b, a, comparator, selector)\n    }\n\n\n/**\n * Creates a comparator using the primary comparator and function to calculate a result of comparison.\n *\n * @sample
samples.comparisons.Comparisons.thenComparator\n *\n@kotlin.internal.InlineOnly\npublic inline
fun <T> Comparator<T>.thenComparator(crossinline comparison: (a: T, b: T) -> Int): Comparator<T> =\n
Comparator { a, b -> \n    val previousCompare = this@thenComparator.compare(a, b)\n    if (previousCompare
!= 0) previousCompare else comparison(a, b)\n    }\n\n\n/**\n * Combines this comparator and the given [comparator]
such that the latter is applied only\n * when the former considered values equal.\n *\n * @sample
samples.comparisons.Comparisons.then\n *\n@kotlin.internal.InlineOnly\npublic infix fun <T> Comparator<T>.then(comparator:
Comparator<in T>): Comparator<T> =\n    Comparator { a, b -> \n        val previousCompare =
this@then.compare(a, b)\n        if (previousCompare != 0) previousCompare else comparator.compare(a, b)\n    }\n\n\n/**\n * Combines this comparator and the given [comparator] such that the latter is applied only\n * when the
former considered values equal.\n *\n * @sample
samples.comparisons.Comparisons.thenDescending\n *\n@kotlin.internal.InlineOnly\npublic
infix fun <T> Comparator<T>.thenDescending(comparator: Comparator<in T>): Comparator<T> =\n
Comparator<T> { a, b -> \n    val previousCompare = this@thenDescending.compare(a, b)\n    if
(previousCompare != 0) previousCompare else comparator.compare(b, a)\n    }\n\n\n// Not so useful without type
inference for receiver of expression\n\n/**\n * Extends the given [comparator] of non-nullable values to a comparator
of nullable values\n * considering `null` value less than any other value.\n *\n * @sample
samples.comparisons.Comparisons.nullsFirstLastWithComparator\n *\n@kotlin.internal.InlineOnly\npublic fun <T : Any>
nullsFirst(comparator: Comparator<in T>): Comparator<T?> =\n    Comparator { a, b -> \n        when {\n            a
=== b -> 0\n            a == null -> -1\n            b == null -> 1\n            else -> comparator.compare(a, b)\n        }\n    }\n\n\n/**\n * Provides a comparator of nullable [Comparable] values\n * considering `null` value less than any other
value.\n *\n * @sample
samples.comparisons.Comparisons.nullsFirstLastComparator\n
*\n@kotlin.internal.InlineOnly\npublic inline fun <T : Comparable<T>> nullsFirst(): Comparator<T?> =
nullsFirst(naturalOrder())\n\n\n/**\n * Extends the given [comparator] of non-nullable values to a comparator of
nullable values\n * considering `null` value greater than any other value.\n *\n * @sample
samples.comparisons.Comparisons.nullsFirstLastWithComparator\n *\n@kotlin.internal.InlineOnly\npublic fun <T : Any>
nullsLast(comparator: Comparator<in T>): Comparator<T?> =\n    Comparator { a, b -> \n        when {\n            a
=== b -> 0\n            a == null -> 1\n            b == null -> -1\n            else -> comparator.compare(a, b)\n        }\n    }\n\n\n/**\n * Provides a comparator of nullable [Comparable] values\n * considering `null` value greater than any
other value.\n *\n * @sample
samples.comparisons.Comparisons.nullsFirstLastComparator\n
*\n@kotlin.internal.InlineOnly\npublic inline fun <T : Comparable<T>> nullsLast(): Comparator<T?> =
nullsLast(naturalOrder())\n\n\n/**\n * Returns a comparator that compares [Comparable] objects in natural order.\n *\n * @sample
samples.comparisons.Comparisons.naturalOrderComparator\n *\n@kotlin.internal.InlineOnly\npublic fun <T : Comparable<T>>
naturalOrder(): Comparator<T> = @Suppress("UNCHECKED_CAST") (NaturalOrderComparator as
Comparator<T>)\n\n\n/**\n * Returns a comparator that compares [Comparable] objects in reversed natural order.\n *\n * @sample
samples.comparisons.Comparisons.nullsFirstLastWithComparator\n *\n@kotlin.internal.InlineOnly\npublic fun <T :
Comparable<T>> reverseOrder(): Comparator<T> = @Suppress("UNCHECKED_CAST")
(ReverseOrderComparator as Comparator<T>)\n\n\n/**\n * Returns a comparator that imposes the reverse ordering
of this comparator.\n *\n * @sample
samples.comparisons.Comparisons.reversed\n *\n@kotlin.internal.InlineOnly\npublic fun <T>
Comparator<T>.reversed(): Comparator<T> = when (this) {\n    is ReversedComparator -> this.comparator\n    NaturalOrderComparator -> @Suppress("UNCHECKED_CAST") (ReverseOrderComparator as

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Comparator<T>)\n ReverseOrderComparator -> @Suppress("UNCHECKED_CAST")
(NaturalOrderComparator as Comparator<T>)\n else -> ReversedComparator(this)\n}\n\nprivate class
ReversedComparator<T>(public val comparator: Comparator<T>) : Comparator<T> {\n override fun compare(a:
T, b: T): Int = comparator.compare(b, a)\n @Suppress("VIRTUAL_MEMBER_HIDDEN")\n fun reversed():
Comparator<T> = comparator\n}\n\nprivate object NaturalOrderComparator : Comparator<Comparable<Any>> {\n
override fun compare(a: Comparable<Any>, b: Comparable<Any>): Int = a.compareTo(b)\n
@Suppress("VIRTUAL_MEMBER_HIDDEN")\n fun reversed(): Comparator<Comparable<Any>> =
ReverseOrderComparator\n}\n\nprivate object ReverseOrderComparator : Comparator<Comparable<Any>> {\n
override fun compare(a: Comparable<Any>, b: Comparable<Any>): Int = b.compareTo(a)\n
@Suppress("VIRTUAL_MEMBER_HIDDEN")\n fun reversed(): Comparator<Comparable<Any>> =
NaturalOrderComparator\n}\n\n"/>\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin\n\npublic actual interface Comparator<T> {\n
@jsName("compare")\n actual fun compare(a: T, b: T): Int\n}\n\npublic actual inline fun <T>
Comparator(crossinline comparison: (a: T, b: T) -> Int): Comparator<T> = object : Comparator<T> {\n override
fun compare(a: T, b: T): Int = comparison(a, b)\n}\n\n"/>\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("StandardKt")\npackage kotlin\n\nimport
kotlin.contracts.*\n\n/**\n * An exception is thrown to indicate that a method body remains to be implemented.\n
*/\n\npublic class NotImplementedError(message: String = "An operation is not implemented.") :
Error(message)\n\n/**\n * Always throws [NotImplementedError] stating that operation is not implemented.\n
*/\n\n@kotlin.internal.InlineOnly\npublic inline fun TODO(): Nothing = throw NotImplementedError()\n\n/**\n *
Always throws [NotImplementedError] stating that operation is not implemented.\n * \n * @param reason a string
explaining why the implementation is missing.\n */\n\n@kotlin.internal.InlineOnly\npublic inline fun TODO(reason:
String): Nothing = throw NotImplementedError("An operation is not implemented: $reason")\n\n\n/**\n * Calls
the specified function [block] and returns its result.\n * \n * For detailed usage information see the documentation for
[scope functions](https://kotlinlang.org/docs/reference/scope-functions.html#run).\n
*/\n\n@kotlin.internal.InlineOnly\npublic inline fun <R> run(block: () -> R): R {\n contract {\n
callsInPlace(block, InvocationKind.EXACTLY_ONCE)\n }\n return block()\n}\n\n/**\n * Calls the specified
function [block] with `this` value as its receiver and returns its result.\n * \n * For detailed usage information see the
documentation for [scope functions](https://kotlinlang.org/docs/reference/scope-functions.html#run).\n
*/\n\n@kotlin.internal.InlineOnly\npublic inline fun <T, R> T.run(block: T.() -> R): R {\n contract {\n
callsInPlace(block, InvocationKind.EXACTLY_ONCE)\n }\n return block()\n}\n\n/**\n * Calls the specified
function [block] with the given [receiver] as its receiver and returns its result.\n * \n * For detailed usage information
see the documentation for [scope functions](https://kotlinlang.org/docs/reference/scope-functions.html#with).\n
*/\n\n@kotlin.internal.InlineOnly\npublic inline fun <T, R> with(receiver: T, block: T.() -> R): R {\n contract {\n
callsInPlace(block, InvocationKind.EXACTLY_ONCE)\n }\n return receiver.block()\n}\n\n/**\n * Calls the
specified function [block] with `this` value as its receiver and returns `this` value.\n * \n * For detailed usage
information see the documentation for [scope functions](https://kotlinlang.org/docs/reference/scope-
functions.html#apply).\n */\n\n@kotlin.internal.InlineOnly\npublic inline fun <T> T.apply(block: T.() -> Unit): T {\n
contract {\n callsInPlace(block, InvocationKind.EXACTLY_ONCE)\n }\n block()\n return
this\n}\n\n\n/**\n * Calls the specified function [block] with `this` value as its argument and returns `this` value.\n
*/\n * \n * For detailed usage information see the documentation for [scope
functions](https://kotlinlang.org/docs/reference/scope-functions.html#also).\n
*/\n\n@kotlin.internal.InlineOnly\n@SinceKotlin("1.1")\npublic inline fun <T> T.also(block: (T) -> Unit): T {\n
contract {\n callsInPlace(block, InvocationKind.EXACTLY_ONCE)\n }\n block(this)\n return
this\n}\n\n\n/**\n * Calls the specified function [block] with `this` value as its argument and returns its result.\n
*/\n * \n *

```

For detailed usage information see the documentation for [scope functions](https://kotlinlang.org/docs/reference/scope-functions.html#let).

```

*\n *\n@kotlin.internal.InlineOnly\npublic inline fun <T, R> T.let(block: (T) -> R): R {\n  contract {\n    callsInPlace(block, InvocationKind.EXACTLY_ONCE)\n  }\n  return block(this)\n}\n\n/**\n * Returns `this` value if it satisfies the given [predicate] or `null`, if it doesn't.\n *\n@kotlin.internal.InlineOnly\n@SinceKotlin("1.1")\npublic inline fun <T> T.takeIf(predicate: (T) -> Boolean): T? {\n  contract {\n    callsInPlace(predicate, InvocationKind.EXACTLY_ONCE)\n  }\n  return if (predicate(this)) this else null\n}\n\n/**\n * Returns `this` value if it _does not_ satisfy the given [predicate] or `null`, if it does.\n *\n@kotlin.internal.InlineOnly\n@SinceKotlin("1.1")\npublic inline fun <T> T.takeUnless(predicate: (T) -> Boolean): T? {\n  contract {\n    callsInPlace(predicate, InvocationKind.EXACTLY_ONCE)\n  }\n  return if (!predicate(this)) this else null\n}\n\n/**\n * Executes the given function [action] specified number of [times].\n *\n * A zero-based index of current iteration is passed as a parameter to [action].\n *\n * @sample samples.misc.ControlFlow.repeat\n *\n@kotlin.internal.InlineOnly\npublic inline fun repeat(times: Int, action: (Int) -> Unit) {\n  contract { callsInPlace(action) }\n  for (index in 0 until times) {\n    action(index)\n  }\n}\n\n"/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n@npackage kotlin.comparisons\n\n/\n\n NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n\n See: https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\n\nimport kotlin.js.\n\n/**\n * Returns the greater of two values.\n * If values are equal, returns the first one.\n *\n@SinceKotlin("1.1")\npublic actual fun <T : Comparable<T>> maxOf(a: T, b: T): T {\n  return if (a >= b) a else b\n}\n\n/**\n * Returns the greater of two values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual inline fun maxOf(a: Byte, b: Byte): Byte {\n  return Math.max(a.toInt(), b.toInt()).unsafeCast<Byte>()\n}\n\n/**\n * Returns the greater of two values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual inline fun maxOf(a: Short, b: Short): Short {\n  return Math.max(a.toInt(), b.toInt()).unsafeCast<Short>()\n}\n\n/**\n * Returns the greater of two values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual inline fun maxOf(a: Int, b: Int): Int {\n  return Math.max(a, b)\n}\n\n/**\n * Returns the greater of two values.\n *\n@SinceKotlin("1.1")\n@Suppress("DEPRECATION_ERROR", "NOTHING_TO_INLINE")\npublic actual inline fun maxOf(a: Long, b: Long): Long {\n  return if (a >= b) a else b\n}\n\n/**\n * Returns the greater of two values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual inline fun maxOf(a: Float, b: Float): Float {\n  return Math.max(a, b)\n}\n\n/**\n * Returns the greater of two values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual inline fun maxOf(a: Double, b: Double): Double {\n  return Math.max(a, b)\n}\n\n/**\n * Returns the greater of three values.\n *\n@SinceKotlin("1.1")\npublic actual fun <T : Comparable<T>> maxOf(a: T, b: T, c: T): T {\n  return maxOf(a, maxOf(b, c))\n}\n\n/**\n * Returns the greater of three values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual inline fun maxOf(a: Byte, b: Byte, c: Byte): Byte {\n  return Math.max(a.toInt(), b.toInt(), c.toInt()).unsafeCast<Byte>()\n}\n\n/**\n * Returns the greater of three values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual inline fun maxOf(a: Short, b: Short, c: Short): Short {\n  return Math.max(a.toInt(), b.toInt(), c.toInt()).unsafeCast<Short>()\n}\n\n/**\n * Returns the greater of three values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual inline fun maxOf(a: Int, b: Int, c: Int): Int {\n  return Math.max(a, b, c)\n}\n\n/**\n * Returns the greater of three values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic actual inline fun maxOf(a: Long, b: Long,

```



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c: Long): Long {\n    return maxOf(a, maxOf(b, c))\n}\n\n/**\n * Returns the greater of three values.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual
inline fun maxOf(a: Float, b: Float, c: Float): Float {\n    return Math.max(a, b, c)\n}\n\n/**\n * Returns the greater
of three values.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual
inline fun maxOf(a: Double, b: Double, c: Double): Double {\n    return Math.max(a, b, c)\n}\n\n/**\n * Returns the
smaller of two values.\n * If values are equal, returns the first one.\n *\n@SinceKotlin("1.1")\npublic actual fun
<T : Comparable<T>> minOf(a: T, b: T): T {\n    return if (a <= b) a else b\n}\n\n/**\n * Returns the smaller of two
values.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual
inline fun minOf(a: Byte, b: Byte): Byte {\n    return Math.min(a.toInt(), b.toInt()).unsafeCast<Byte>()\n}\n\n/**\n
* Returns the smaller of two values.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual
inline fun minOf(a: Short, b: Short): Short {\n    return Math.min(a.toInt(),
b.toInt()).unsafeCast<Short>()\n}\n\n/**\n * Returns the smaller of two values.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual
inline fun minOf(a: Int, b: Int): Int {\n    return Math.min(a, b)\n}\n\n/**\n * Returns the smaller of two values.\n
*\n@SinceKotlin("1.1")\n@Suppress("DEPRECATION_ERROR", "NOTHING_TO_INLINE")\npublic actual
inline fun minOf(a: Long, b: Long): Long {\n    return if (a <= b) a else b\n}\n\n/**\n * Returns the smaller of two
values.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual
inline fun minOf(a: Float, b: Float): Float {\n    return Math.min(a, b)\n}\n\n/**\n * Returns the smaller of two
values.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual
inline fun minOf(a: Double, b: Double): Double {\n    return Math.min(a, b)\n}\n\n/**\n * Returns the smaller of
three values.\n *\n@SinceKotlin("1.1")\npublic actual fun <T : Comparable<T>> minOf(a: T, b: T, c: T): T {\n
return minOf(a, minOf(b, c))\n}\n\n/**\n * Returns the smaller of three values.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual
inline fun minOf(a: Byte, b: Byte, c: Byte): Byte {\n    return Math.min(a.toInt(), b.toInt(),
c.toInt()).unsafeCast<Byte>()\n}\n\n/**\n * Returns the smaller of three values.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual
inline fun minOf(a: Short, b: Short, c: Short): Short {\n    return Math.min(a.toInt(), b.toInt(),
c.toInt()).unsafeCast<Short>()\n}\n\n/**\n * Returns the smaller of three values.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual
inline fun minOf(a: Int, b: Int, c: Int): Int {\n    return Math.min(a, b, c)\n}\n\n/**\n * Returns the smaller of three
values.\n *\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic actual inline fun minOf(a: Long, b: Long,
c: Long): Long {\n    return minOf(a, minOf(b, c))\n}\n\n/**\n * Returns the smaller of three values.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual
inline fun minOf(a: Float, b: Float, c: Float): Float {\n    return Math.min(a, b, c)\n}\n\n/**\n * Returns the smaller
of three values.\n
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\n@Suppress("DEPRECATION_ERROR")\npublic actual
inline fun minOf(a: Double, b: Double, c: Double): Double {\n    return Math.min(a, b, c)\n}\n\n/**\n * Copyright
2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed
by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("CollectionsKt")\n\npackage
kotlin.collections\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\nimport
kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Returns 1st *element* from the collection.\n

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*@kotlin.internal.InlineOnly\npublic inline operator fun <T> List<T>.component1(): T {\n    return
get(0)\n}\n\n/**\n * Returns 2nd *element* from the collection.\n *@kotlin.internal.InlineOnly\npublic inline
operator fun <T> List<T>.component2(): T {\n    return get(1)\n}\n\n/**\n * Returns 3rd *element* from the
collection.\n *@kotlin.internal.InlineOnly\npublic inline operator fun <T> List<T>.component3(): T {\n    return
get(2)\n}\n\n/**\n * Returns 4th *element* from the collection.\n *@kotlin.internal.InlineOnly\npublic inline
operator fun <T> List<T>.component4(): T {\n    return get(3)\n}\n\n/**\n * Returns 5th *element* from the
collection.\n *@kotlin.internal.InlineOnly\npublic inline operator fun <T> List<T>.component5(): T {\n    return
get(4)\n}\n\n/**\n * Returns `true` if [element] is found in the collection.\n *\npublic operator fun
<@kotlin.internal.OnlyInputTypes T> Iterable<T>.contains(element: T): Boolean {\n    if (this is Collection)\n    return contains(element)\n    return indexOf(element) >= 0\n}\n\n/**\n * Returns an element at the given [index] or
throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this collection.\n * \n * @sample
samples.collections.Collections.Elements.elementAt\n *\npublic fun <T> Iterable<T>.elementAt(index: Int): T {\n
if (this is List)\n    return get(index)\n    return elementAtOrElse(index) { throw
IndexOutOfBoundsException("Collection doesn't contain element at index $index.") }\n}\n\n/**\n * Returns an
element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this list.\n
* \n * @sample samples.collections.Collections.Elements.elementAt\n *\n@kotlin.internal.InlineOnly\npublic
inline fun <T> List<T>.elementAt(index: Int): T {\n    return get(index)\n}\n\n/**\n * Returns an element at the
given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this collection.\n
* \n * @sample samples.collections.Collections.Elements.elementAtOrElse\n *\npublic fun <T>
Iterable<T>.elementAtOrElse(index: Int, defaultValue: (Int) -> T): T {\n    if (this is List)\n        return
this.getOrElse(index, defaultValue)\n        if (index < 0)\n            return defaultValue(index)\n        val iterator =
iterator()\n        var count = 0\n        while (iterator.hasNext()) {\n            val element = iterator.next()\n            if (index == count++)\n                return element\n        }\n        return defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the
result of calling the [defaultValue] function if the [index] is out of bounds of this list.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrElse\n *\n@kotlin.internal.InlineOnly\npublic inline fun
<T> List<T>.elementAtOrElse(index: Int, defaultValue: (Int) -> T): T {\n    return if (index >= 0 && index <=
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or `null` if the
[index] is out of bounds of this collection.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *\npublic fun <T>
Iterable<T>.elementAtOrNull(index: Int): T? {\n    if (this is List)\n        return this.elementAtOrNull(index)\n        if (index <
0)\n            return null\n        val iterator = iterator()\n        var count = 0\n        while (iterator.hasNext()) {\n            val element =
iterator.next()\n            if (index == count++)\n                return element\n        }\n        return null\n}\n\n/**\n * Returns an
element at the given [index] or `null` if the [index] is out of bounds of this list.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *\n@kotlin.internal.InlineOnly\npublic inline fun
<T> List<T>.elementAtOrNull(index: Int): T? {\n    return this.elementAtOrNull(index)\n}\n\n/**\n * Returns the first
element matching the given [predicate], or `null` if no such element was found.\n *\n@kotlin.internal.InlineOnly\npublic inline fun <T>
Iterable<T>.find(predicate: (T) -> Boolean): T? {\n    return
firstOrNull(predicate)\n}\n\n/**\n * Returns the last element matching the given [predicate], or `null` if no such
element was found.\n *\n@kotlin.internal.InlineOnly\npublic inline fun <T> Iterable<T>.findLast(predicate: (T) ->
Boolean): T? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns the last element matching the given
[predicate], or `null` if no such element was found.\n *\n@kotlin.internal.InlineOnly\npublic inline fun <T>
List<T>.findLast(predicate: (T) -> Boolean): T? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns first
element.\n * @throws [NoSuchElementException] if the collection is empty.\n *\npublic fun <T>
Iterable<T>.first(): T {\n    when (this) {\n        is List -> return this.first()\n        else -> {\n            val iterator =
iterator()\n            if (!iterator.hasNext())\n                throw NoSuchElementException("Collection is empty.")\n            return
iterator.next()\n        }\n    }\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException]
if the list is empty.\n *\npublic fun <T> List<T>.first(): T {\n    if (isEmpty())\n        throw
NoSuchElementException("List is empty.")\n    return this[0]\n}\n\n/**\n * Returns the first element matching the

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given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n *\npublic inline fun <T>
Iterable<T>.first(predicate: (T) -> Boolean): T {\n    for (element in this) if (predicate(element)) return element\n
throw NoSuchElementException("Collection contains no element matching the predicate.")\n}\n\n/**\n * Returns
the first element, or `null` if the collection is empty.\n *\npublic fun <T> Iterable<T>.firstOrNull(): T? {\n    when
(this) {\n        is List -> {\n            if (isEmpty())\n                return null\n            else\n                return this[0]\n
}\n        else -> {\n            val iterator = iterator()\n            if (!iterator.hasNext())\n                return null\n
return iterator.next()\n        }\n    }\n}\n\n/**\n * Returns the first element, or `null` if the list is empty.\n *\npublic
fun <T> List<T>.firstOrNull(): T? {\n    return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first element
matching the given [predicate], or `null` if element was not found.\n *\npublic inline fun <T>
Iterable<T>.firstOrNull(predicate: (T) -> Boolean): T? {\n    for (element in this) if (predicate(element)) return
element\n    return null\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the
[defaultValue] function if the [index] is out of bounds of this list.\n *\n@kotlin.internal.InlineOnly\npublic inline
fun <T> List<T>.getOrNull(index: Int, defaultValue: (Int) -> T): T? {\n    return if (index >= 0 && index <=
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or `null` if the
[index] is out of bounds of this list.\n *\npublic fun <T> List<T>.getOrNull(index: Int): T? {\n    return if (index >=
0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns first index of [element], or -1 if the collection
does not contain element.\n *\npublic fun <@kotlin.internal.OnlyInputTypes T> Iterable<T>.indexOf(element: T):
Int {\n    if (this is List) return this.indexOf(element)\n    var index = 0\n    for (item in this) {\n
checkIndexOverflow(index)\n        if (element == item)\n            return index\n        index++\n    }\n    return -
1\n}\n\n/**\n * Returns first index of [element], or -1 if the list does not contain element.\n
*\n@Suppress("EXTENSION_SHADOWED_BY_MEMBER") // false warning, extension takes precedence in
some cases\npublic fun <@kotlin.internal.OnlyInputTypes T> List<T>.indexOf(element: T): Int {\n    return
indexOf(element)\n}\n\n/**\n * Returns index of the first element matching the given [predicate], or -1 if the
collection does not contain such element.\n *\npublic inline fun <T> Iterable<T>.indexOfFirst(predicate: (T) ->
Boolean): Int {\n    var index = 0\n    for (item in this) {\n        checkIndexOverflow(index)\n        if
(predicate(item))\n            return index\n        index++\n    }\n    return -1\n}\n\n/**\n * Returns index of the first
element matching the given [predicate], or -1 if the list does not contain such element.\n *\npublic inline fun <T>
List<T>.indexOfFirst(predicate: (T) -> Boolean): Int {\n    var index = 0\n    for (item in this) {\n        if
(predicate(item))\n            return index\n        index++\n    }\n    return -1\n}\n\n/**\n * Returns index of the last
element matching the given [predicate], or -1 if the collection does not contain such element.\n *\npublic inline fun
<T> Iterable<T>.indexOfLast(predicate: (T) -> Boolean): Int {\n    var lastIndex = -1\n    var index = 0\n    for (item
in this) {\n        checkIndexOverflow(index)\n        if (predicate(item))\n            lastIndex = index\n        index++\n
}\n    return lastIndex\n}\n\n/**\n * Returns index of the last element matching the given [predicate], or -1 if the list
does not contain such element.\n *\npublic inline fun <T> List<T>.indexOfLast(predicate: (T) -> Boolean): Int {\n
val iterator = this.listIterator(size)\n    while (iterator.hasPrevious()) {\n        if (predicate(iterator.previous())) {\n
return iterator.nextIndex()\n        }\n    }\n    return -1\n}\n\n/**\n * Returns the last element.\n * @throws
[NoSuchElementException] if the collection is empty.\n *\npublic fun <T> Iterable<T>.last(): T {\n    when (this)
{\n        is List -> return this.last()\n        else -> {\n            val iterator = iterator()\n            if (!iterator.hasNext())\n
throw NoSuchElementException("Collection is empty.")\n            var last = iterator.next()\n            while
(iterator.hasNext())\n                last = iterator.next()\n            return last\n        }\n    }\n}\n\n/**\n * Returns the last
element.\n * @throws [NoSuchElementException] if the list is empty.\n *\npublic fun <T> List<T>.last(): T {\n    if
(isEmpty())\n        throw NoSuchElementException("List is empty.")\n    return this[lastIndex]\n}\n\n/**\n * Returns
the last element matching the given [predicate].\n * @throws [NoSuchElementException] if no such
element is found.\n *\npublic inline fun <T> Iterable<T>.last(predicate: (T) -> Boolean): T {\n    var last: T? =
null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            last = element\n
found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("Collection contains no element
matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return last as T\n}\n\n/**\n * Returns the
last element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n

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*public inline fun <T> List<T>.last(predicate: (T) -> Boolean): T {
    val iterator = this.listIterator(size)
    while (iterator.hasPrevious()) {
        val element = iterator.previous()
        if (predicate(element)) return element
    }
    throw NoSuchElementException("List contains no element matching the predicate.")
}
* Returns last index of [element], or -1 if the collection does not contain element.
*public fun
<@kotlin.internal.OnlyInputTypes T> Iterable<T>.lastIndexOf(element: T): Int {
    if (this is List) return this.lastIndexOf(element)
    var lastIndex = -1
    var index = 0
    for (item in this) {
        checkIndexOverflow(index)
        if (element == item) {
            lastIndex = index
            index++
        }
    }
    return lastIndex
}
* Returns last index of [element], or -1 if the list does not contain element.
*@Suppress("EXTENSION_SHADOWED_BY_MEMBER") // false warning, extension takes precedence in
some cases
*public fun <@kotlin.internal.OnlyInputTypes T> List<T>.lastIndexOf(element: T): Int {
    return lastIndexOf(element)
}
* Returns the last element, or `null` if the collection is empty.
*public fun
<T> Iterable<T>.lastOrNull(): T? {
    when (this) {
        is List -> return if (isEmpty()) null else this[size - 1]
        else -> {
            val iterator = iterator()
            if (!iterator.hasNext()) return null
            var last = iterator.next()
            while (iterator.hasNext()) {
                last = iterator.next()
            }
            return last
        }
    }
}
* Returns the last element, or `null` if the list is empty.
*public fun <T> List<T>.lastOrNull(): T? {
    return if (isEmpty()) null else this[size - 1]
}
* Returns the last element matching the given
[predicate], or `null` if no such element was found.
*public inline fun <T> Iterable<T>.lastOrNull(predicate:
(T) -> Boolean): T? {
    var last: T? = null
    for (element in this) {
        if (predicate(element)) {
            last = element
        }
    }
    return last
}
* Returns the last element matching the given [predicate], or `null`
if no such element was found.
*public inline fun <T> List<T>.lastOrNull(predicate: (T) -> Boolean): T? {
    val iterator = this.listIterator(size)
    while (iterator.hasPrevious()) {
        val element = iterator.previous()
        if (predicate(element)) return element
    }
    return null
}
* Returns a random element from this
collection.
* @throws NoSuchElementException if this collection is empty.
*@SinceKotlin("1.3")
*public inline fun <T> Collection<T>.random(): T {
    return random(Random())
}
* Returns a random element from this collection using the specified source of
randomness.
* @throws NoSuchElementException if this collection is empty.
*@SinceKotlin("1.3")
*public fun <T> Collection<T>.random(random: Random): T {
    if (isEmpty())
        throw NoSuchElementException("Collection is empty.")
    return elementAt(random.nextInt(size))
}
* Returns the single element, or throws an exception if the collection is empty or has more than one element.
*public fun <T> Iterable<T>.single(): T {
    when (this) {
        is List -> return this.single()
        else -> {
            val iterator = iterator()
            if (!iterator.hasNext())
                throw NoSuchElementException("Collection
is empty.")
            val single = iterator.next()
            if (iterator.hasNext())
                throw
IllegalArgumentException("Collection has more than one element.")
            return single
        }
    }
}
* Returns the single element, or throws an exception if the list is empty or has more than one
element.
*public fun <T> List<T>.single(): T {
    return when (size) {
        0 -> throw
NoSuchElementException("List is empty.")
        1 -> this[0]
        else -> throw
IllegalArgumentException("List has more than one element.")
    }
}
* Returns the single element
matching the given [predicate], or throws exception if there is no or more than one matching element.
*public
inline fun <T> Iterable<T>.single(predicate: (T) -> Boolean): T {
    var single: T? = null
    var found = false
    for (element in this) {
        if (predicate(element)) {
            if (found) throw
IllegalArgumentException("Collection contains more than one matching element.")
            single = element
            found = true
        }
    }
    if (!found) throw NoSuchElementException("Collection contains no element
matching the predicate.")
    @Suppress("UNCHECKED_CAST")
    return single as T
}
* Returns
single element, or `null` if the collection is empty or has more than one element.
*public fun <T>
Iterable<T>.singleOrNull(): T? {
    when (this) {
        is List -> return if (size == 1) this[0] else null
        else ->
{
            val iterator = iterator()
            if (!iterator.hasNext())
                return null
            val single =
iterator.next()
            if (iterator.hasNext())
                return null
            return single
        }
    }
}
* Returns single element, or `null` if the list is empty or has more than one element.
*public fun <T>

```

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List<T>.singleOrNull(): T? {\n  return if (size == 1) this[0] else null\n}\n\n/**\n * Returns the single element
matching the given [predicate], or `null` if element was not found or more than one element was found.\n */\npublic
inline fun <T> Iterable<T>.singleOrNull(predicate: (T) -> Boolean): T? {\n  var single: T? = null\n  var found =
false\n  for (element in this) {\n    if (predicate(element)) {\n      if (found) return null\n      single =
element\n      found = true\n    }\n  }\n  if (!found) return null\n  return single\n}\n\n/**\n * Returns a list
containing all elements except first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n *
\n * @sample samples.collections.Collections.Transformations.drop\n */\npublic fun <T> Iterable<T>.drop(n: Int):
List<T> {\n  require(n >= 0) {\n    "Requested element count $n is less than zero." }\n  }\n  if (n == 0) return toList()\n
val list: ArrayList<T>\n  if (this is Collection<*>) {\n    val resultSize = size - n\n    if (resultSize <= 0)\n
return emptyList()\n    if (resultSize == 1)\n      return listOf(last())\n    list = ArrayList<T>(resultSize)\n
if (this is List<T>) {\n      if (this is RandomAccess) {\n        for (index in n until size)\n
list.add(this[index])\n      } else {\n        for (item in listIterator(n))\n          list.add(item)\n      }\n
return list\n    }\n  }\n  else {\n    list = ArrayList<T>()\n    var count = 0\n    for (item in this) {\n
if (count >= n) list.add(item) else ++count\n    }\n    return list.optimizeReadOnlyList()\n}\n\n/**\n * Returns a list
containing all elements except last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n *
\n * @sample samples.collections.Collections.Transformations.drop\n */\npublic fun <T> List<T>.dropLast(n: Int):
List<T> {\n  require(n >= 0) {\n    "Requested element count $n is less than zero." }\n  }\n  return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last elements that satisfy the given
[predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n */\npublic inline fun <T>
List<T>.dropLastWhile(predicate: (T) -> Boolean): List<T> {\n  if (!isEmpty()) {\n    val iterator =
listIterator(size)\n    while (iterator.hasPrevious()) {\n      if (!predicate(iterator.previous())) {\n        return
take(iterator.nextIndex() + 1)\n      }\n    }\n  }\n  return emptyList()\n}\n\n/**\n * Returns a list containing
all elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n */\npublic inline fun <T> Iterable<T>.dropWhile(predicate:
(T) -> Boolean): List<T> {\n  var yielding = false\n  val list = ArrayList<T>()\n  for (item in this)\n    if
(yielding)\n      list.add(item)\n    else if (!predicate(item)) {\n      list.add(item)\n      yielding = true\n
}\n  return list\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n */\npublic
inline fun <T> Iterable<T>.filter(predicate: (T) -> Boolean): List<T> {\n  return filterTo(ArrayList<T>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * @param
[predicate] function that takes the index of an element and the element itself\n * and returns the result of predicate
evaluation on the element.\n */\npublic inline fun <T> Iterable<T>.filterIndexed(predicate: (index: Int, T) ->
Boolean): List<T> {\n  return filterIndexedTo(ArrayList<T>(), predicate)\n}\n\n/**\n * Appends all elements
matching the given [predicate] to the given [destination].\n * @param [predicate] function that takes the index of an
element and the element itself\n * and returns the result of predicate evaluation on the element.\n */\npublic inline
fun <T, C : MutableCollection<in T>> Iterable<T>.filterIndexedTo(destination: C, predicate: (index: Int, T) ->
Boolean): C {\n  forEachIndexed { index, element ->\n    if (predicate(index, element))\n
destination.add(element)\n  }\n  return destination\n}\n\n/**\n * Returns a list containing all elements that are
instances of specified type parameter R.\n */\npublic inline fun <reified R> Iterable<*>.filterIsInstance():
List<@kotlin.internal.NoInfer R> {\n  return filterIsInstanceTo(ArrayList<R>())\n}\n\n/**\n * Appends all
elements that are instances of specified type parameter R to the given [destination].\n */\npublic inline fun <reified
R, C : MutableCollection<in R>> Iterable<*>.filterIsInstanceTo(destination: C): C {\n  for (element in this) if
(element is R) destination.add(element)\n  return destination\n}\n\n/**\n * Returns a list containing all elements
not matching the given [predicate].\n */\npublic inline fun <T> Iterable<T>.filterNot(predicate: (T) -> Boolean):
List<T> {\n  return filterNotTo(ArrayList<T>(), predicate)\n}\n\n/**\n * Returns a list containing all elements that
are not `null`.\n */\npublic fun <T : Any> Iterable<T?>.filterNotNull(): List<T> {\n  return
filterNotNullTo(ArrayList<T>())\n}\n\n/**\n * Appends all elements that are not `null` to the given [destination].\n
*/\npublic fun <C : MutableCollection<in T>, T : Any> Iterable<T?>.filterNotNullTo(destination: C): C {\n  for
(element in this) if (element != null) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all

```

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elements not matching the given [predicate] to the given [destination].\n *\npublic inline fun <T, C :
MutableCollection<in T>> Iterable<T>.filterNotTo(destination: C, predicate: (T) -> Boolean): C {\n for (element
in this) if (!predicate(element)) destination.add(element)\n return destination}\n\n/>\n *\n * Appends all elements
matching the given [predicate] to the given [destination].\n *\npublic inline fun <T, C : MutableCollection<in T>>
Iterable<T>.filterTo(destination: C, predicate: (T) -> Boolean): C {\n for (element in this) if (predicate(element))
destination.add(element)\n return destination}\n\n/>\n *\n * Returns a list containing elements at indices in the
specified [indices] range.\n *\npublic fun <T> List<T>.slice(indices: IntRange): List<T> {\n if
(indices.isEmpty()) return listOf()\n return this.subList(indices.start, indices.endInclusive + 1).toList()\n}\n\n/>\n *\n * Returns a list containing elements at specified [indices].\n *\npublic fun <T> List<T>.slice(indices:
Iterable<Int>): List<T> {\n val size = indices.collectionSizeOrDefault(10)\n if (size == 0) return emptyList()\n
val list = ArrayList<T>(size)\n for (index in indices) {\n list.add(get(index))\n }\n return list}\n\n/>\n *\n * Returns a list containing first [n] elements.\n *\n *\n * @throws IllegalArgumentException if [n] is negative.\n *\n *\n * @sample samples.collections.Collections.Transformations.take\n *\npublic fun <T> Iterable<T>.take(n: Int):
List<T> {\n require(n >= 0) {\n "Requested element count $n is less than zero." }\n if (n == 0) return
emptyList()\n if (this is Collection<T>) {\n if (n >= size) return toList()\n if (n == 1) return
listOf(first())\n }\n var count = 0\n val list = ArrayList<T>(n)\n for (item in this) {\n list.add(item)\n
if (++count == n)\n break\n }\n return list.optimizeReadOnlyList()\n}\n\n/>\n *\n * Returns a list containing
last [n] elements.\n *\n *\n * @throws IllegalArgumentException if [n] is negative.\n *\n *\n * @sample
samples.collections.Collections.Transformations.take\n *\npublic fun <T> List<T>.takeLast(n: Int): List<T> {\n
require(n >= 0) {\n "Requested element count $n is less than zero." }\n if (n == 0) return emptyList()\n val size =
size\n if (n >= size) return toList()\n if (n == 1) return listOf(last())\n val list = ArrayList<T>(n)\n if (this is
RandomAccess) {\n for (index in size - n until size)\n list.add(this[index])\n } else {\n for (item in
listIterator(size - n))\n list.add(item)\n }\n return list}\n\n/>\n *\n * Returns a list containing last elements
satisfying the given [predicate].\n *\n *\n * @sample samples.collections.Collections.Transformations.take\n *\npublic
inline fun <T> List<T>.takeLastWhile(predicate: (T) -> Boolean): List<T> {\n if (isEmpty())\n return
emptyList()\n val iterator = listIterator(size)\n while (iterator.hasPrevious()) {\n if
(!predicate(iterator.previous())) {\n iterator.next()\n val expectedSize = size - iterator.nextIndex()\n
if (expectedSize == 0) return emptyList()\n return ArrayList<T>(expectedSize).apply {\n while
(iterator.hasNext())\n add(iterator.next())\n }\n }\n }\n return toList()\n}\n\n/>\n *\n * Returns a list containing first elements satisfying the given [predicate].\n *\n *\n * @sample
samples.collections.Collections.Transformations.take\n *\npublic inline fun <T> Iterable<T>.takeWhile(predicate:
(T) -> Boolean): List<T> {\n val list = ArrayList<T>()\n for (item in this) {\n if (!predicate(item))\n
break\n list.add(item)\n }\n return list}\n\n/>\n *\n * Reverses elements in the list in-place.\n *\npublic
expect fun <T> MutableList<T>.reverse(): Unit\n\n/>\n *\n * Returns a list with elements in reversed order.\n *\npublic
fun <T> Iterable<T>.reversed(): List<T> {\n if (this is Collection && size <= 1) return toList()\n val
list = toMutableList()\n list.reverse()\n return list}\n\n/>\n *\n * Sorts elements in the list in-place according to
natural sort order of the value returned by specified [selector] function.\n *\n *\n * The sort is _stable_. It means that
equal elements preserve their order relative to each other after sorting.\n *\npublic inline fun <T, R :
Comparable<R>> MutableList<T>.sortBy(crossinline selector: (T) -> R?): Unit {\n if (size > 1)
sortWith(compareBy(selector))}\n\n/>\n *\n * Sorts elements in the list in-place descending according to natural sort
order of the value returned by specified [selector] function.\n *\n *\n * The sort is _stable_. It means that equal
elements preserve their order relative to each other after sorting.\n *\npublic inline fun <T, R : Comparable<R>>
MutableList<T>.sortByDescending(crossinline selector: (T) -> R?): Unit {\n if (size > 1)
sortWith(compareByDescending(selector))}\n\n/>\n *\n * Sorts elements in the list in-place descending according to
their natural sort order.\n *\n *\n * The sort is _stable_. It means that equal elements preserve their order relative to
each other after sorting.\n *\npublic fun <T : Comparable<T>> MutableList<T>.sortDescending(): Unit {\n
sortWith(reverseOrder())}\n\n/>\n *\n * Returns a list of all elements sorted according to their natural sort order.\n *\n *\n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n

```

```

*  

public fun <T : Comparable<T>> Iterable<T>.sorted(): List<T> {  

    if (this is Collection) {  

        if (size <= 1)  

            return this.toList()  

        @Suppress("UNCHECKED_CAST")  

        return (toArray<Comparable<T>>()  

            as Array<T>).apply { sort() }.asList()  

    }  

    return toMutableList().apply { sort() }  

}
  

* Returns a list of all elements sorted according to natural sort order of the value returned by specified [selector] function.  

* The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.  

public inline fun <T, R : Comparable<R>> Iterable<T>.sortedBy(crossinline selector: (T) -> R?): List<T> {  

    return sortedWith(compareBy(selector))  

}
  

* Returns a list of all elements sorted descending according to natural sort order of the value returned by specified [selector] function.  

* The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.  

public inline fun <T, R : Comparable<R>> Iterable<T>.sortedByDescending(crossinline selector: (T) -> R?): List<T> {  

    return sortedWith(compareByDescending(selector))  

}
  

* Returns a list of all elements sorted descending according to their natural sort order.  

* The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.  

public fun <T : Comparable<T>> Iterable<T>.sortedDescending(): List<T> {  

    return sortedWith(reverseOrder())  

}
  

* Returns a list of all elements sorted according to the specified [comparator].  

* The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.  

public fun <T> Iterable<T>.sortedWith(comparator: Comparator<in T>): List<T> {  

    if (this is Collection) {  

        if (size <= 1) return this.toList()  

        @Suppress("UNCHECKED_CAST")  

        return (toArray<Any?>() as Array<T>).apply { sortWith(comparator) }.asList()  

    }  

    return toMutableList().apply { sortWith(comparator) }  

}
  

* Returns an array of Boolean containing all of the elements of this collection.  

public fun Collection<Boolean>.toBooleanArray(): BooleanArray {  

    val result = BooleanArray(size)  

    var index = 0  

    for (element in this) result[index++] = element  

    return result  

}
  

* Returns an array of Byte containing all of the elements of this collection.  

public fun Collection<Byte>.toByteArray(): ByteArray {  

    val result = ByteArray(size)  

    var index = 0  

    for (element in this) result[index++] = element  

    return result  

}
  

* Returns an array of Char containing all of the elements of this collection.  

public fun Collection<Char>.toCharArray(): CharArray {  

    val result = CharArray(size)  

    var index = 0  

    for (element in this) result[index++] = element  

    return result  

}
  

* Returns an array of Double containing all of the elements of this collection.  

public fun Collection<Double>.toDoubleArray(): DoubleArray {  

    val result = DoubleArray(size)  

    var index = 0  

    for (element in this) result[index++] = element  

    return result  

}
  

* Returns an array of Float containing all of the elements of this collection.  

public fun Collection<Float>.toFloatArray(): FloatArray {  

    val result = FloatArray(size)  

    var index = 0  

    for (element in this) result[index++] = element  

    return result  

}
  

* Returns an array of Int containing all of the elements of this collection.  

public fun Collection<Int>.toIntArray(): IntArray {  

    val result = IntArray(size)  

    var index = 0  

    for (element in this) result[index++] = element  

    return result  

}
  

* Returns an array of Long containing all of the elements of this collection.  

public fun Collection<Long>.toLongArray(): LongArray {  

    val result = LongArray(size)  

    var index = 0  

    for (element in this) result[index++] = element  

    return result  

}
  

* Returns an array of Short containing all of the elements of this collection.  

public fun Collection<Short>.toShortArray(): ShortArray {  

    val result = ShortArray(size)  

    var index = 0  

    for (element in this) result[index++] = element  

    return result  

}
  

* Returns a [Map] containing key-value pairs provided by [transform] function * applied to elements of the given collection.  

* If any of two pairs would have the same key the last one gets added to the map.  

* The returned map preserves the entry iteration order of the original collection.  

public inline fun <T, K, V> Iterable<T>.associate(transform: (T) -> Pair<K, V>): Map<K, V> {  

    val capacity = mapCapacity(collectionSizeOrDefault(10)).coerceAtLeast(16)  

    return associateTo(LinkedHashMap<K, V>(capacity), transform)  

}
  

* Returns a [Map] containing the elements from the given collection indexed by the key * returned from [keySelector] function applied to each element.  

* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.  

* The returned map preserves the entry iteration order of the original collection.  

public inline fun <T, K> Iterable<T>.associateBy(keySelector: (T) -> K): Map<K, T> {  

    val capacity =

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mapCapacity(collectionSizeOrDefault(10)).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K,
T>(capacity), keySelector)\n}\n\n/**\n * Returns a [Map] containing the values provided by [valueTransform] and
indexed by [keySelector] functions applied to elements of the given collection.\n * \n * If any two elements would
have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves
the entry iteration order of the original collection.\n */\npublic inline fun <T, K, V>
Iterable<T>.associateBy(keySelector: (T) -> K, valueTransform: (T) -> V): Map<K, V> {\n  val capacity =
mapCapacity(collectionSizeOrDefault(10)).coerceAtLeast(16)\n  return associateByTo(LinkedHashMap<K,
V>(capacity), keySelector, valueTransform)\n}\n\n/**\n * Populates and returns the [destination] mutable map with
key-value pairs,\n * where key is provided by the [keySelector] function applied to each element of the given
collection\n * and value is the element itself.\n * \n * If any two elements would have the same key returned by
[keySelector] the last one gets added to the map.\n */\npublic inline fun <T, K, M : MutableMap<in K, in T>>
Iterable<T>.associateByTo(destination: M, keySelector: (T) -> K): M {\n  for (element in this) {\n
destination.put(keySelector(element), element)\n  }\n  return destination\n}\n\n/**\n * Populates and returns the
[destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector] function and\n *
value is provided by the [valueTransform] function applied to elements of the given collection.\n * \n * If any two
elements would have the same key returned by [keySelector] the last one gets added to the map.\n */\npublic inline
fun <T, K, V, M : MutableMap<in K, in V>> Iterable<T>.associateByTo(destination: M, keySelector: (T) -> K,
valueTransform: (T) -> V): M {\n  for (element in this) {\n    destination.put(keySelector(element),
valueTransform(element))\n  }\n  return destination\n}\n\n/**\n * Populates and returns the [destination] mutable
map with key-value pairs\n * provided by [transform] function applied to each element of the given collection.\n *
\n * If any of two pairs would have the same key the last one gets added to the map.\n */\npublic inline fun <T, K,
V, M : MutableMap<in K, in V>> Iterable<T>.associateTo(destination: M, transform: (T) -> Pair<K, V>): M {\n
for (element in this) {\n    destination += transform(element)\n  }\n  return destination\n}\n\n/**\n * Returns a
[Map] where keys are elements from the given collection and values are\n * produced by the [valueSelector]
function applied to each element.\n * \n * If any two elements are equal, the last one gets added to the map.\n *
\n * The returned map preserves the entry iteration order of the original collection.\n * \n * @sample
samples.collections.Collections.Transformations.associateWith\n */\n@SinceKotlin("1.3")\npublic inline fun <K,
V> Iterable<K>.associateWith(valueSelector: (K) -> V): Map<K, V> {\n  val result = LinkedHashMap<K,
V>(mapCapacity(collectionSizeOrDefault(10)).coerceAtLeast(16))\n  return associateWithTo(result,
valueSelector)\n}\n\n/**\n * Populates and returns the [destination] mutable map with key-value pairs for each
element of the given collection,\n * where key is the element itself and value is provided by the [valueSelector]
function applied to that key.\n * \n * If any two elements are equal, the last one overwrites the former value in the
map.\n */\n@SinceKotlin("1.3")\npublic inline fun <K, V, M : MutableMap<in K, in V>>
Iterable<K>.associateWithTo(destination: M, valueSelector: (K) -> V): M {\n  for (element in this) {\n
destination.put(element, valueSelector(element))\n  }\n  return destination\n}\n\n/**\n * Appends all elements to
the given [destination] collection.\n */\npublic fun <T, C : MutableCollection<in T>>
Iterable<T>.toCollection(destination: C): C {\n  for (item in this) {\n    destination.add(item)\n  }\n  return
destination\n}\n\n/**\n * Returns a [HashSet] of all elements.\n */\npublic fun <T> Iterable<T>.toHashSet():
HashSet<T> {\n  return toCollection(HashSet<T>(mapCapacity(collectionSizeOrDefault(12))))\n}\n\n/**\n *
Returns a [List] containing all elements.\n */\npublic fun <T> Iterable<T>.toList(): List<T> {\n  if (this is
Collection) {\n    return when (size) {\n      0 -> emptyList()\n      1 -> listOf(if (this is List) get(0) else
iterator().next())\n      else -> this.toMutableList()\n    }\n  }\n  return
this.toMutableList().optimizeReadOnlyList()\n}\n\n/**\n * Returns a [MutableList] filled with all elements of this
collection.\n */\npublic fun <T> Iterable<T>.toMutableList(): MutableList<T> {\n  if (this is Collection<T>)\n
return this.toMutableList()\n  return toCollection(ArrayList<T>())\n}\n\n/**\n * Returns a [MutableList] filled
with all elements of this collection.\n */\npublic fun <T> Collection<T>.toMutableList(): MutableList<T> {\n
return ArrayList(this)\n}\n\n/**\n * Returns a [Set] of all elements.\n * \n * The returned set preserves the element
iteration order of the original collection.\n */\npublic fun <T> Iterable<T>.toSet(): Set<T> {\n  if (this is

```



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Collection) {\n    return when (size) {\n        0 -> emptySet()\n        1 -> setOf(if (this is List) this[0] else
iterator().next())\n        else -> toCollection(LinkedHashSet<T>(mapCapacity(size)))\n    }\n }\n return
toCollection(LinkedHashSet<T>()).optimizeReadOnlySet()\n}\n\n/**\n * Returns a single list of all elements
yielded from results of [transform] function being invoked on each element of original collection.\n */\npublic inline
fun <T, R> Iterable<T>.flatMap(transform: (T) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(),
transform)\n}\n\n/**\n * Appends all elements yielded from results of [transform] function being invoked on each
element of original collection, to the given [destination].\n */\npublic inline fun <T, R, C : MutableCollection<in
R>> Iterable<T>.flatMapTo(destination: C, transform: (T) -> Iterable<R>): C {\n    for (element in this) {\n        val
list = transform(element)\n        destination.addAll(list)\n    }\n    return destination\n}\n\n/**\n * Groups elements of
the original collection by the key returned by the given [keySelector] function\n * applied to each element and
returns a map where each group key is associated with a list of corresponding elements.\n * \n * The returned map
preserves the entry iteration order of the keys produced from the original collection.\n * \n * @sample
samples.collections.Collections.Transformations.groupBy\n */\npublic inline fun <T, K>
Iterable<T>.groupBy(keySelector: (T) -> K): Map<K, List<T>> {\n    return groupByTo(LinkedHashMap<K,
MutableList<T>>(), keySelector)\n}\n\n/**\n * Groups values returned by the [valueTransform] function applied to
each element of the original collection\n * by the key returned by the given [keySelector] function applied to the
element\n * and returns a map where each group key is associated with a list of corresponding values.\n * \n * The
returned map preserves the entry iteration order of the keys produced from the original collection.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeysAndValues\n */\npublic inline fun <T, K, V>
Iterable<T>.groupBy(keySelector: (T) -> K, valueTransform: (T) -> V): Map<K, List<V>> {\n    return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups elements
of the original collection by the key returned by the given [keySelector] function\n * applied to each element and
puts to the [destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n */\npublic inline
fun <T, K, M : MutableMap<in K, MutableList<T>>> Iterable<T>.groupByTo(destination: M, keySelector: (T) ->
K): M {\n    for (element in this) {\n        val key = keySelector(element)\n        val list = destination.getOrPut(key) {
ArrayList<T>() }\n        list.add(element)\n    }\n    return destination\n}\n\n/**\n * Groups values returned by the
[valueTransform] function applied to each element of the original collection\n * by the key returned by the given
[keySelector] function applied to the element\n * and puts to the [destination] map each group key associated with a
list of corresponding values.\n * \n * @return The [destination] map.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeysAndValues\n */\npublic inline fun <T, K, V, M :
MutableMap<in K, MutableList<V>>> Iterable<T>.groupByTo(destination: M, keySelector: (T) -> K,
valueTransform: (T) -> V): M {\n    for (element in this) {\n        val key = keySelector(element)\n        val list =
destination.getOrPut(key) { ArrayList<V>() }\n        list.add(valueTransform(element))\n    }\n    return
destination\n}\n\n/**\n * Creates a [Grouping] source from a collection to be used later with one of group-and-fold
operations\n * using the specified [keySelector] function to extract a key from each element.\n * \n * @sample
samples.collections.Grouping.groupingByEachCount\n */\n@SinceKotlin("1.1")\npublic inline fun <T, K>
Iterable<T>.groupingBy(crossinline keySelector: (T) -> K): Grouping<T, K> {\n    return object : Grouping<T, K>
{\n        override fun sourceIterator(): Iterator<T> = this@groupingBy.iterator()\n        override fun keyOf(element:
T): K = keySelector(element)\n    }\n}\n\n/**\n * Returns a list containing the results of applying the given
[transform] function\n * to each element in the original collection.\n * \n * @sample
samples.collections.Collections.Transformations.map\n */\npublic inline fun <T, R> Iterable<T>.map(transform:
(T) -> R): List<R> {\n    return mapTo(ArrayList<R>(collectionSizeOrDefault(10)), transform)\n}\n\n/**\n *
Returns a list containing the results of applying the given [transform] function\n * to each element and its index in
the original collection.\n * @param [transform] function that takes the index of an element and the element itself\n *
and returns the result of the transform applied to the element.\n */\npublic inline fun <T, R>
Iterable<T>.mapIndexed(transform: (index: Int, T) -> R): List<R> {\n    return
mapIndexedTo(ArrayList<R>(collectionSizeOrDefault(10)), transform)\n}\n\n/**\n * Returns a list containing only

```

the non-null results of applying the given [transform] function to each element and its index in the original collection.

`Iterable<T>.mapIndexedNotNull(transform: (index: Int, T) -> R?): List<R>` {
 return
 mapIndexedNotNullTo(ArrayList<R>(), transform)
 }
 Applies the given [transform] function to each element and its index in the original collection and appends only the non-null results to the given [destination].

`Iterable<T>.mapIndexedNotNullTo(destination: C, transform: (index: Int, T) -> R?): C` {
 forEachIndexed {
 index, element -> transform(index, element)?.let { destination.add(it) }
 }
 return destination
 }
 Applies the given [transform] function to each element and its index in the original collection and appends the results to the given [destination].

`Iterable<T>.mapIndexedTo(destination: C, transform: (index: Int, T) -> R): C` {
 var
 index = 0
 for (item in this)
 destination.add(transform(checkIndexOverflow(index++), item))
 return
 destination
 }
 Returns a list containing only the non-null results of applying the given [transform] function to each element in the original collection.

`Iterable<T>.mapNotNull(transform: (T) -> R?): List<R>` {
 return mapNotNullTo(ArrayList<R>(),
 transform)
 }
 Applies the given [transform] function to each element in the original collection and appends only the non-null results to the given [destination].

`Iterable<T>.mapNotNullTo(destination: C, transform: (T) -> R?): C` {
 forEach {
 element -> transform(element)?.let { destination.add(it) }
 }
 return destination
 }
 Applies the given [transform] function to each element of the original collection and appends the results to the given [destination].

`Iterable<T>.mapTo(destination: C, transform: (T) -> R): C` {
 for (item in this)
 destination.add(transform(item))
 return
 destination
 }
 Returns a lazy [Iterable] that wraps each element of the original collection into an [IndexedValue] containing the index of that element and the element itself.

`Iterable<T>.withIndex(): Iterable<IndexedValue<T>>` {
 return IndexingIterable { iterator() }
 }
 Returns a list containing only distinct elements from the given collection. The elements in the resulting list are in the same order as they were in the source collection.

`Iterable<T>.distinct(): List<T>` {
 return this.toMutableSet().toList()
 }
 Returns a list containing only elements from the given collection having distinct keys returned by the given [selector] function.

`Iterable<T>.distinctBy(selector: (T) -> K): List<T>` {
 val set = HashSet<K>()
 val list = ArrayList<T>()
 for (e in this) {
 val key = selector(e)
 if (set.add(key))
 list.add(e)
 }
 return list
 }
 Returns a set containing all elements that are contained by both this collection and the specified collection. The returned set preserves the element iteration order of the original collection.

`Iterable<T>.intersect(other: Iterable<T>): Set<T>` {
 val set = this.toMutableSet()
 set.retainAll(other)
 return set
 }
 Returns a set containing all elements that are contained by this collection and not contained by the specified collection. The returned set preserves the element iteration order of the original collection.

`Iterable<T>.subtract(other: Iterable<T>): Set<T>` {
 val set = this.toMutableSet()
 set.removeAll(other)
 return set
 }
 Returns a mutable set containing all distinct elements from the given collection. The returned set preserves the element iteration order of the original collection.

`Iterable<T>.toMutableSet(): MutableSet<T>` {
 return when (this) {
 is Collection<T> ->
 LinkedHashSet(this)
 else -> toCollection(LinkedHashSet<T>())
 }
 }
 Returns a set containing all distinct elements from both collections. The returned set preserves the element iteration order of the original collection. Those elements of the [other] collection that are unique are iterated in the end in the order

of the [other] collection.

```

    * To get a set containing all elements that are contained in both collections use
    [intersect].
    * public infix fun <T> Iterable<T>.union(other: Iterable<T>): Set<T> {
    val set = this.toMutableSet()
    set.addAll(other)
    return set
    }
    * Returns `true` if all elements match the given [predicate].
    * @sample samples.collections.Collections.Aggregates.all
    * public inline fun <T> Iterable<T>.all(predicate: (T) -> Boolean): Boolean {
    if (this is Collection && isEmpty()) return true
    for (element in this) if (!predicate(element)) return false
    return true
    }
    * Returns `true` if collection has at least one element.
    * @sample samples.collections.Collections.Aggregates.any
    * public fun <T> Iterable<T>.any(): Boolean {
    if (this is Collection) return !isEmpty()
    return iterator().hasNext()
    }
    * Returns `true` if at least one element matches the given [predicate].
    * @sample samples.collections.Collections.Aggregates.anyWithPredicate
    * public inline fun <T> Iterable<T>.any(predicate: (T) -> Boolean): Boolean {
    if (this is Collection && isEmpty()) return false
    for (element in this) if (predicate(element)) return true
    return false
    }
    * Returns the number of elements in this collection.
    * public fun <T> Iterable<T>.count(): Int {
    if (this is Collection) return size
    var count = 0
    for (element in this) checkCountOverflow(++count)
    return count
    }
    * Returns the number of elements in this collection.
    * @kotlin.internal.InlineOnly
    * public inline fun <T> Collection<T>.count(): Int {
    return size
    }
    * Returns the number of elements matching the given [predicate].
    * public inline fun <T> Iterable<T>.count(predicate: (T) -> Boolean): Int {
    if (this is Collection && isEmpty()) return 0
    var count = 0
    for (element in this) if (predicate(element)) checkCountOverflow(++count)
    return count
    }
    * Accumulates value starting with [initial] value and applying [operation] from left to right to current accumulator value and each element.
    * public inline fun <T, R> Iterable<T>.fold(initial: R, operation: (acc: R, T) -> R): R {
    var accumulator = initial
    for (element in this) accumulator = operation(accumulator, element)
    return accumulator
    }
    * Accumulates value starting with [initial] value and applying [operation] from left to right
    * to current accumulator value and each element with its index in the original collection.
    * @param [operation] function that takes the index of an element, current accumulator value
    * and the element itself, and calculates the next accumulator value.
    * public inline fun <T, R> Iterable<T>.foldIndexed(initial: R, operation: (index: Int, acc: R, T) -> R): R {
    var index = 0
    var accumulator = initial
    for (element in this) accumulator = operation(checkIndexOverflow(index++), accumulator, element)
    return accumulator
    }
    * Accumulates value starting with [initial] value and applying [operation] from right to left to each element and current accumulator value.
    * public inline fun <T, R> List<T>.foldRight(initial: R, operation: (T, acc: R) -> R): R {
    var accumulator = initial
    if (!isEmpty()) {
    val iterator = listIterator(size)
    while (iterator.hasPrevious()) {
    accumulator = operation(iterator.previous(), accumulator)
    }
    }
    return accumulator
    }
    * Accumulates value starting with [initial] value and applying [operation] from right to left
    * to each element with its index in the original list and current accumulator value.
    * @param [operation] function that takes the index of an element, the element itself
    * and current accumulator value, and calculates the next accumulator value.
    * public inline fun <T, R> List<T>.foldRightIndexed(initial: R, operation: (index: Int, T, acc: R) -> R): R {
    var accumulator = initial
    if (!isEmpty()) {
    val iterator = listIterator(size)
    while (iterator.hasPrevious()) {
    val index = iterator.previousIndex()
    accumulator = operation(index, iterator.previous(), accumulator)
    }
    }
    return accumulator
    }
    * Performs the given [action] on each element.
    * @kotlin.internal.HidesMembers
    * public inline fun <T> Iterable<T>.forEach(action: (T) -> Unit): Unit {
    for (element in this) action(element)
    }
    * Performs the given [action] on each element, providing sequential index with the element.
    * @param [action] function that takes the index of an element and the element itself
    * and performs the desired action on the element.
    * public inline fun <T> Iterable<T>.forEachIndexed(action: (index: Int, T) -> Unit): Unit {
    var index = 0
    for (item in this) action(checkIndexOverflow(index++), item)
    }
    * Returns the largest element or `null` if there are no elements.
    * public fun Iterable<Double>.max(): Double? {
    if any of elements is `NaN` returns `NaN`
    }
    * @SinceKotlin("1.1")
    * public fun Iterable<Double>.max(): Double? {
    val iterator = iterator()
    if (!iterator.hasNext()) return null
    var max = iterator.next()
    if (max.isNaN()) return max
    while (iterator.hasNext()) {
    val e = iterator.next()
    if (e.isNaN()) return e
    if (max < e) max = e
    }
    return max
    }
    * Returns the largest element or

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`null` if there are no elements.\n * \n * If any of elements is `NaN` returns `NaN`.\n
*\n@SinceKotlin("1.1")\npublic fun Iterable<Float>.max(): Float? {\n    val iterator = iterator()\n    if
(!iterator.hasNext()) return null\n    var max = iterator.next()\n    if (max.isNaN()) return max\n    while
(iterator.hasNext()) {\n        val e = iterator.next()\n        if (e.isNaN()) return e\n        if (max < e) max = e\n    }\n
return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n */\npublic fun <T> :
Comparable<T>> Iterable<T>.max(): T? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var
max = iterator.next()\n    while (iterator.hasNext()) {\n        val e = iterator.next()\n        if (max < e) max = e\n    }\n
return max\n}\n\n/**\n * Returns the first element yielding the largest value of the given function or `null` if there
are no elements.\n */\n * @sample samples.collections.Collections.Aggregates.maxBy\n */\npublic inline fun <T, R
: Comparable<R>> Iterable<T>.maxBy(selector: (T) -> R): T? {\n    val iterator = iterator()\n    if
(!iterator.hasNext()) return null\n    var maxElem = iterator.next()\n    if (!iterator.hasNext()) return maxElem\n    var
maxValue = selector(maxElem)\n    do {\n        val e = iterator.next()\n        val v = selector(e)\n        if (maxValue <
v) {\n            maxElem = e\n            maxValue = v\n        }\n    } while (iterator.hasNext())\n    return
maxElem\n}\n\n/**\n * Returns the first element having the largest value according to the provided [comparator] or
`null` if there are no elements.\n */\npublic fun <T> Iterable<T>.maxWith(comparator: Comparator<in T>): T? {\n
val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var max = iterator.next()\n    while
(iterator.hasNext()) {\n        val e = iterator.next()\n        if (comparator.compare(max, e) < 0) max = e\n    }\n
return max\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n */\n * \n * If any of
elements is `NaN` returns `NaN`.\n */\n *\n@SinceKotlin("1.1")\npublic fun Iterable<Double>.min(): Double? {\n    val iterator
= iterator()\n    if (!iterator.hasNext()) return null\n    var min = iterator.next()\n    if (min.isNaN()) return min\n
while (iterator.hasNext()) {\n        val e = iterator.next()\n        if (e.isNaN()) return e\n        if (min > e) min = e\n
}\n    return min\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n */\n * \n * If any of
elements is `NaN` returns `NaN`.\n */\n *\n@SinceKotlin("1.1")\npublic fun Iterable<Float>.min(): Float? {\n    val
iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var min = iterator.next()\n    if (min.isNaN()) return
min\n    while (iterator.hasNext()) {\n        val e = iterator.next()\n        if (e.isNaN()) return e\n        if (min > e) min
= e\n    }\n    return min\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n */\npublic
fun <T : Comparable<T>> Iterable<T>.min(): T? {\n    val iterator = iterator()\n    if (!iterator.hasNext()) return
null\n    var min = iterator.next()\n    while (iterator.hasNext()) {\n        val e = iterator.next()\n        if (min > e) min
= e\n    }\n    return min\n}\n\n/**\n * Returns the first element yielding the smallest value of the given function or
`null` if there are no elements.\n */\n * \n * @sample samples.collections.Collections.Aggregates.minBy\n */\npublic
inline fun <T, R : Comparable<R>> Iterable<T>.minBy(selector: (T) -> R): T? {\n    val iterator = iterator()\n    if
(!iterator.hasNext()) return null\n    var minElem = iterator.next()\n    if (!iterator.hasNext()) return minElem\n    var
minValue = selector(minElem)\n    do {\n        val e = iterator.next()\n        val v = selector(e)\n        if (minValue >
v) {\n            minElem = e\n            minValue = v\n        }\n    } while (iterator.hasNext())\n    return
minElem\n}\n\n/**\n * Returns the first element having the smallest value according to the provided [comparator]
or `null` if there are no elements.\n */\npublic fun <T> Iterable<T>.minWith(comparator: Comparator<in T>): T?
{\n    val iterator = iterator()\n    if (!iterator.hasNext()) return null\n    var min = iterator.next()\n    while
(iterator.hasNext()) {\n        val e = iterator.next()\n        if (comparator.compare(min, e) > 0) min = e\n    }\n
return min\n}\n\n/**\n * Returns `true` if the collection has no elements.\n */\n * \n * @sample
samples.collections.Collections.Aggregates.none\n */\npublic fun <T> Iterable<T>.none(): Boolean {\n    if (this is
Collection) return isEmpty()\n    return !iterator().hasNext()\n}\n\n/**\n * Returns `true` if no elements match the
given [predicate].\n */\n * \n * @sample samples.collections.Collections.Aggregates.noneWithPredicate\n */\npublic
inline fun <T> Iterable<T>.none(predicate: (T) -> Boolean): Boolean {\n    if (this is Collection && isEmpty())
return true\n    for (element in this) if (predicate(element)) return false\n    return true\n}\n\n/**\n * Performs the
given [action] on each element and returns the collection itself afterwards.\n */\n *\n@SinceKotlin("1.1")\npublic
inline fun <T, C : Iterable<T>> C.onEach(action: (T) -> Unit): C {\n    return apply { for (element in this)
action(element) }\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left
to right to current accumulator value and each element.\n */\npublic inline fun <S, T : S>

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Iterable<T>.reduce(operation: (acc: S, T) -> S): S {
    val iterator = this.iterator()
    if (!iterator.hasNext()) throw
    UnsupportedOperationException("Empty collection can't be reduced.")
    var accumulator: S = iterator.next()
    while (iterator.hasNext()) {
        accumulator = operation(accumulator, iterator.next())
    }
    return accumulator
}
/** Accumulates value starting with the first element and applying [operation] from left to
right
* to current accumulator value and each element with its index in the original collection.
* @param
[operation] function that takes the index of an element, current accumulator value
* and the element itself and
calculates the next accumulator value.
*/
public inline fun <S, T : S> Iterable<T>.reduceIndexed(operation:
(index: Int, acc: S, T) -> S): S {
    val iterator = this.iterator()
    if (!iterator.hasNext()) throw
    UnsupportedOperationException("Empty collection can't be reduced.")
    var index = 1
    var accumulator: S =
    iterator.next()
    while (iterator.hasNext()) {
        accumulator = operation(checkIndexOverflow(index++),
        accumulator, iterator.next())
    }
    return accumulator
}
/** Accumulates value starting with last element
and applying [operation] from right to left to each element and current accumulator value.
*/
public inline fun
<S, T : S> List<T>.reduceRight(operation: (T, acc: S) -> S): S {
    val iterator = listIterator(size)
    if
    (!iterator.hasPrevious())
    throw UnsupportedOperationException("Empty list can't be reduced.")
    var
    accumulator: S = iterator.previous()
    while (iterator.hasPrevious()) {
        accumulator =
        operation(iterator.previous(), accumulator)
    }
    return accumulator
}
/** Accumulates value starting
with last element and applying [operation] from right to left
* to each element with its index in the original list and
current accumulator value.
* @param [operation] function that takes the index of an element, the element itself
* and current accumulator value, and calculates the next accumulator value.
*/
public inline fun <S, T : S>
List<T>.reduceRightIndexed(operation: (index: Int, T, acc: S) -> S): S {
    val iterator = listIterator(size)
    if
    (!iterator.hasPrevious())
    throw UnsupportedOperationException("Empty list can't be reduced.")
    var
    accumulator: S = iterator.previous()
    while (iterator.hasPrevious()) {
        val index = iterator.previousIndex()
        accumulator = operation(index, iterator.previous(), accumulator)
    }
    return accumulator
}
/** Returns the sum of all values produced by [selector] function applied to each element in the collection.
*/
public inline fun <T> Iterable<T>.sumBy(selector: (T) -> Int): Int {
    var sum: Int = 0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/** Returns the sum of all values produced by [selector]
function applied to each element in the collection.
*/
public inline fun <T> Iterable<T>.sumByDouble(selector:
(T) -> Double): Double {
    var sum: Double = 0.0
    for (element in this) {
        sum += selector(element)
    }
    return sum
}
/** Returns an original collection containing all the non-`null` elements, throwing an
[IllegalArgumentException] if there are any `null` elements.
*/
public fun <T : Any>
Iterable<T?>.requireNonNulls(): Iterable<T> {
    for (element in this) {
        if (element == null) {
            throw
            IllegalArgumentException("null element found in $this.")
        }
    }
    @Suppress("UNCHECKED_CAST")
    return this as Iterable<T>
}
/** Returns an original collection
containing all the non-`null` elements, throwing an [IllegalArgumentException] if there are any `null` elements.
*/
public fun <T : Any> List<T?>.requireNonNulls(): List<T> {
    for (element in this) {
        if (element ==
        null) {
            throw IllegalArgumentException("null element found in $this.")
        }
    }
    @Suppress("UNCHECKED_CAST")
    return this as List<T>
}
/** Splits this collection into a list of
lists each not exceeding the given [size].
* The last list in the resulting list may have less elements than the
given [size].
* @param size the number of elements to take in each list, must be positive and can be greater
than the number of elements in this collection.
*/
@sample
samples.collections.Collections.Transformations.chunked
*/
@SinceKotlin("1.2")
public fun <T>
Iterable<T>.chunked(size: Int): List<List<T>> {
    return windowed(size, size, partialWindows = true)
}
/** Splits this collection into several lists each not exceeding the given [size]
* and applies the given [transform]
function to an each.
* @return list of results of the [transform] applied to an each list.
* Note that the
list passed to the [transform] function is ephemeral and is valid only inside that function.
* You should not store it
or allow it to escape in some way, unless you made a snapshot of it.
* The last list may have less elements than the
given [size].
* @param size the number of elements to take in each list, must be positive and can be greater
than the number of elements in this collection.
*/
@sample
samples.text.Strings.chunkedTransform

```

```

*  

@SinceKotlin("1.2")  

public fun <T, R> Iterable<T>.chunked(size: Int, transform: (List<T>) -> R): List<R>  

{  

    return windowed(size, size, partialWindows = true, transform = transform)  

}  

* Returns a list  

containing all elements of the original collection without the first occurrence of the given [element].  

public  

operator fun <T> Iterable<T>.minus(element: T): List<T> {  

    val result =  

    ArrayList<T>(collectionSizeOrDefault(10))  

    var removed = false  

    return this.filterTo(result) { if (!removed  

    && it == element) { removed = true; false } else true }  

}  

* Returns a list containing all elements of the  

original collection except the elements contained in the given [elements] array.  

* The [elements] array may be  

converted to a [HashSet] to speed up the operation, thus the elements are required to have  

* a correct and stable  

implementation of `hashCode()` that doesn't change between successive invocations.  

public operator fun <T>  

Iterable<T>.minus(elements: Array<out T>): List<T> {  

    if (elements.isEmpty()) return this.toList()  

    val other  

    = elements.toHashSet()  

    return this.filterNot { it in other }  

}  

* Returns a list containing all elements of  

the original collection except the elements contained in the given [elements] collection.  

* The [elements]  

collection may be converted to a [HashSet] to speed up the operation, thus the elements are required to have  

* a  

correct and stable implementation of `hashCode()` that doesn't change between successive invocations.  

public  

operator fun <T> Iterable<T>.minus(elements: Iterable<T>): List<T> {  

    val other =  

    elements.convertToSetForSetOperationWith(this)  

    if (other.isEmpty())  

    return this.toList()  

    return  

    this.filterNot { it in other }  

}  

* Returns a list containing all elements of the original collection except the  

elements contained in the given [elements] sequence.  

* The [elements] sequence may be converted to a  

[HashSet] to speed up the operation, thus the elements are required to have  

* a correct and stable implementation  

of `hashCode()` that doesn't change between successive invocations.  

public operator fun <T>  

Iterable<T>.minus(elements: Sequence<T>): List<T> {  

    val other = elements.toHashSet()  

    if  

    (other.isEmpty())  

    return this.toList()  

    return this.filterNot { it in other }  

}  

* Returns a list  

containing all elements of the original collection without the first occurrence of the given [element].  

@kotlin.internal.InlineOnly  

public inline fun <T> Iterable<T>.minusElement(element: T): List<T> {  

    return  

    minus(element)  

}  

* Splits the original collection into pair of lists,  

* where *first* list contains  

elements for which [predicate] yielded `true`,  

* while *second* list contains elements for which [predicate]  

yielded `false`.  

public inline fun <T> Iterable<T>.partition(predicate: (T) -> Boolean): Pair<List<T>,  

List<T>> {  

    val first = ArrayList<T>()  

    val second = ArrayList<T>()  

    for (element in this) {  

        if  

        (predicate(element)) {  

            first.add(element)  

        } else {  

            second.add(element)  

        }  

    }  

    return  

    Pair(first, second)  

}  

* Returns a list containing all elements of the original collection and then the  

given [element].  

public operator fun <T> Iterable<T>.plus(element: T): List<T> {  

    if (this is Collection)  

    return  

    this.plus(element)  

    val result = ArrayList<T>()  

    result.addAll(this)  

    result.add(element)  

    return  

    result  

}  

* Returns a list containing all elements of the original collection and then the given [element].  

public operator fun <T> Collection<T>.plus(element: T): List<T> {  

    val result = ArrayList<T>(size + 1)  

    result.addAll(this)  

    result.add(element)  

    return  

    result  

}  

* Returns a list containing all elements of the  

original collection and then all elements of the given [elements] array.  

public operator fun <T>  

Iterable<T>.plus(elements: Array<out T>): List<T> {  

    if (this is Collection) return  

    this.plus(elements)  

    val  

    result = ArrayList<T>()  

    result.addAll(this)  

    result.addAll(elements)  

    return  

    result  

}  

* Returns a list  

containing all elements of the original collection and then all elements of the given [elements] array.  

public operator fun <T> Collection<T>.plus(elements: Array<out T>): List<T> {  

    val result = ArrayList<T>(this.size +  

    elements.size)  

    result.addAll(this)  

    result.addAll(elements)  

    return  

    result  

}  

* Returns a list  

containing all elements of the original collection and then all elements of the given [elements] collection.  

public operator fun <T> Iterable<T>.plus(elements: Iterable<T>): List<T> {  

    if (this is Collection) return  

    this.plus(elements)  

    val  

    result = ArrayList<T>()  

    result.addAll(this)  

    result.addAll(elements)  

    return  

    result  

}  

* Returns a list containing all elements of the original collection and then all elements of the given  

[elements] collection.  

public operator fun <T> Collection<T>.plus(elements: Iterable<T>): List<T> {  

    if  

    (elements is Collection) {  

        val  

        result = ArrayList<T>(this.size + elements.size)  

        result.addAll(this)  

        result.addAll(elements)  

        return  

        result  

    } else {  

        val  

        result = ArrayList<T>(this)  

    }  

}

```

```

result.addAll(elements)\n    return result\n    }\n}\n\n/**\n * Returns a list containing all elements of the original
collection and then all elements of the given [elements] sequence.\n */\npublic operator fun <T>
Iterable<T>.plus(elements: Sequence<T>): List<T> {\n    val result = ArrayList<T>()\n    result.addAll(this)\n    result.addAll(elements)\n    return result\n}\n\n/**\n * Returns a list containing all elements of the original
collection and then all elements of the given [elements] sequence.\n */\npublic operator fun <T>
Collection<T>.plus(elements: Sequence<T>): List<T> {\n    val result = ArrayList<T>(this.size + 10)\n    result.addAll(this)\n    result.addAll(elements)\n    return result\n}\n\n/**\n * Returns a list containing all elements
of the original collection and then the given [element].\n */\n@kotlin.internal.InlineOnly\npublic inline fun <T>
Iterable<T>.plusElement(element: T): List<T> {\n    return plus(element)\n}\n\n/**\n * Returns a list containing all
elements of the original collection and then the given [element].\n */\n@kotlin.internal.InlineOnly\npublic inline fun
<T> Collection<T>.plusElement(element: T): List<T> {\n    return plus(element)\n}\n\n/**\n * Returns a list of
snapshots of the window of the given [size]\n * sliding along this collection with the given [step], where each\n *
snapshot is a list.\n * \n * Several last lists may have less elements than the given [size].\n * \n * Both [size] and
[step] must be positive and can be greater than the number of elements in this collection.\n * @param size the
number of elements to take in each window\n * @param step the number of elements to move the window forward
by on an each step, by default 1\n * @param partialWindows controls whether or not to keep partial windows in the
end if any,\n * by default `false` which means partial windows won't be preserved\n * \n * @sample
samples.collections.Sequences.Transformations.takeWindows\n */\n@SinceKotlin("1.2")\npublic fun <T>
Iterable<T>.windowed(size: Int, step: Int = 1, partialWindows: Boolean = false): List<List<T>> {\n
    checkWindowSizeStep(size, step)\n    if (this is RandomAccess && this is List) {\n        val thisSize = this.size\n
        val resultCapacity = thisSize / step + if (thisSize % step == 0) 0 else 1\n        val result =
        ArrayList<List<T>>(resultCapacity)\n        var index = 0\n        while (index in 0 until thisSize) {\n            val
            windowSize = size.coerceAtMost(thisSize - index)\n            if (windowSize < size && !partialWindows) break\n
            result.add(List(windowSize) { this[it + index] })\n            index += step\n        }\n        return result\n    }\n    val
    result = ArrayList<List<T>>()\n    windowedIterator(iterator(), size, step, partialWindows, reuseBuffer =
    false).forEach {\n        result.add(it)\n    }\n    return result\n}\n\n/**\n * Returns a list of results of applying the
given [transform] function to\n * an each list representing a view over the window of the given [size]\n * sliding
along this collection with the given [step].\n * \n * Note that the list passed to the [transform] function is ephemeral
and is valid only inside that function.\n * You should not store it or allow it to escape in some way, unless you made
a snapshot of it.\n * Several last lists may have less elements than the given [size].\n * \n * Both [size] and [step]
must be positive and can be greater than the number of elements in this collection.\n * @param size the number of
elements to take in each window\n * @param step the number of elements to move the window forward by on an
each step, by default 1\n * @param partialWindows controls whether or not to keep partial windows in the end if
any,\n * by default `false` which means partial windows won't be preserved\n * \n * @sample
samples.collections.Sequences.Transformations.averageWindows\n */\n@SinceKotlin("1.2")\npublic fun <T, R>
Iterable<T>.windowed(size: Int, step: Int = 1, partialWindows: Boolean = false, transform: (List<T>) -> R):
List<R> {\n    checkWindowSizeStep(size, step)\n    if (this is RandomAccess && this is List) {\n        val thisSize =
this.size\n        val resultCapacity = thisSize / step + if (thisSize % step == 0) 0 else 1\n        val result =
        ArrayList<R>(resultCapacity)\n        val window = MovingSubList(this)\n        var index = 0\n        while (index in 0
        until thisSize) {\n            val windowSize = size.coerceAtMost(thisSize - index)\n            if (!partialWindows &&
            windowSize < size) break\n            window.move(index, index + windowSize)\n            result.add(transform(window))\n
            index += step\n        }\n        return result\n    }\n    val result =
    ArrayList<R>()\n    windowedIterator(iterator(), size, step, partialWindows, reuseBuffer = true).forEach {\n
        result.add(transform(it))\n    }\n    return result\n}\n\n/**\n * Returns a list of pairs built from the elements of `this`
collection and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n *
@sample samples.collections.Iterables.Operations.zipIterable\n */\npublic infix fun <T, R> Iterable<T>.zip(other:
Array<out R>): List<Pair<T, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of values
built from the elements of `this` collection and the [other] array with the same index\n * using the provided

```

```

[transform] function applied to each pair of elements.\n * The returned list has length of the shortest collection.\n *
\n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n *
\npublic inline fun <T, R, V>
Iterable<T>.zip(other: Array<out R>, transform: (a: T, b: R) -> V): List<V> {\n    val arraySize = other.size\n    val
list = ArrayList<V>(minOf(collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in this) {\n        if
(i >= arraySize) break\n        list.add(transform(element, other[i++]))\n    }\n    return list\n}\n\n/**\n * Returns a list
of pairs built from the elements of `this` collection and [other] collection with the same index.\n * The returned list
has length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n *
\npublic infix fun <T, R> Iterable<T>.zip(other: Iterable<R>): List<Pair<T, R>> {\n    return zip(other) { t1, t2 ->
t1 to t2 }\n}\n\n/**\n * Returns a list of values built from the elements of `this` collection and the [other] collection
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n *
\npublic inline fun <T, R, V>
Iterable<T>.zip(other: Iterable<R>, transform: (a: T, b: R) -> V): List<V> {\n    val first = iterator()\n    val second
= other.iterator()\n    val list = ArrayList<V>(minOf(collectionSizeOrDefault(10),
other.collectionSizeOrDefault(10)))\n    while (first.hasNext() && second.hasNext()) {\n
list.add(transform(first.next(), second.next()))\n    }\n    return list\n}\n\n/**\n * Returns a list of pairs of each two
adjacent elements in this collection.\n * \n * The returned list is empty if this collection contains less than two
elements.\n * \n * @sample samples.collections.Collections.Transformations.zipWithNext\n *
\n@SinceKotlin("1.2")\npublic fun <T> Iterable<T>.zipWithNext(): List<Pair<T, T>> {\n    return zipWithNext
{ a, b -> a to b }\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to
an each pair of two adjacent elements in this collection.\n * \n * The returned list is empty if this collection contains
less than two elements.\n * \n * @sample
samples.collections.Collections.Transformations.zipWithNextToFindDeltas\n *
\n@SinceKotlin("1.2")\npublic
inline fun <T, R> Iterable<T>.zipWithNext(transform: (a: T, b: T) -> R): List<R> {\n    val iterator = iterator()\n    if
(!iterator.hasNext()) return emptyList()\n    val result = mutableListOf<R>()\n    var current = iterator.next()\n
while (iterator.hasNext()) {\n        val next = iterator.next()\n        result.add(transform(current, next))\n        current
= next\n    }\n    return result\n}\n\n/**\n * Appends the string from all the elements separated using [separator] and
using the given [prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-
negative value of [limit], in which case only the first [limit]\n * elements will be appended, followed by the
[truncated] string (which defaults to "...").\n * \n * @sample
samples.collections.Collections.Transformations.joinTo\n *
\npublic fun <T, A : Appendable>
Iterable<T>.joinTo(buffer: A, separator: CharSequence = '\n', prefix: CharSequence = "", postfix: CharSequence
= "", limit: Int = -1, truncated: CharSequence = "...", transform: ((T) -> CharSequence)? = null): A {\n
buffer.append(prefix)\n    var count = 0\n    for (element in this) {\n        if (++count > 1) buffer.append(separator)\n
        if (limit < 0 || count <= limit) {\n            buffer.appendElement(element, transform)\n        } else break\n    }\n
if (limit >= 0 && count > limit) buffer.append(truncated)\n    buffer.append(postfix)\n    return buffer\n}\n\n/**\n *
Creates a string from all the elements separated using [separator] and using the given [prefix] and [postfix] if
supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of [limit], in which case only
the first [limit]\n * elements will be appended, followed by the [truncated] string (which defaults to "...").\n * \n *
@sample samples.collections.Collections.Transformations.joinToString\n *
\npublic fun <T>
Iterable<T>.joinToString(separator: CharSequence = '\n', prefix: CharSequence = "", postfix: CharSequence =
"", limit: Int = -1, truncated: CharSequence = "...", transform: ((T) -> CharSequence)? = null): String {\n    return
joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()\n}\n\n/**\n * Returns this
collection as an [Iterable].\n * \n * @kotlin.internal.InlineOnly\npublic inline fun <T> Iterable<T>.asIterable():
Iterable<T> {\n    return this\n}\n\n/**\n * Creates a [Sequence] instance that wraps the original collection returning
its elements when being iterated.\n * \n * @sample
samples.collections.Sequences.Building.sequenceFromCollection\n *
\npublic fun <T> Iterable<T>.asSequence():
Sequence<T> {\n    return Sequence { this.iterator() }\n}\n\n/**\n * Returns an average value of elements in the

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collection.\n *\n@kotlin.jvm.JvmName("\averageOfByte")\npublic fun Iterable<Byte>.average(): Double {\n var
sum: Double = 0.0\n var count: Int = 0\n for (element in this) {\n sum += element\n
checkCountOverflow(++count)\n }\n return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns
an average value of elements in the collection.\n *\n@kotlin.jvm.JvmName("\averageOfShort")\npublic fun
Iterable<Short>.average(): Double {\n var sum: Double = 0.0\n var count: Int = 0\n for (element in this) {\n
sum += element\n checkCountOverflow(++count)\n }\n return if (count == 0) Double.NaN else sum /
count\n}\n\n/**\n * Returns an average value of elements in the collection.\n
*\n@kotlin.jvm.JvmName("\averageOfInt")\npublic fun Iterable<Int>.average(): Double {\n var sum: Double =
0.0\n var count: Int = 0\n for (element in this) {\n sum += element\n checkCountOverflow(++count)\n
}\n return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the
collection.\n *\n@kotlin.jvm.JvmName("\averageOfLong")\npublic fun Iterable<Long>.average(): Double {\n
var sum: Double = 0.0\n var count: Int = 0\n for (element in this) {\n sum += element\n
checkCountOverflow(++count)\n }\n return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns
an average value of elements in the collection.\n *\n@kotlin.jvm.JvmName("\averageOfFloat")\npublic fun
Iterable<Float>.average(): Double {\n var sum: Double = 0.0\n var count: Int = 0\n for (element in this) {\n
sum += element\n checkCountOverflow(++count)\n }\n return if (count == 0) Double.NaN else sum /
count\n}\n\n/**\n * Returns an average value of elements in the collection.\n
*\n@kotlin.jvm.JvmName("\averageOfDouble")\npublic fun Iterable<Double>.average(): Double {\n var sum:
Double = 0.0\n var count: Int = 0\n for (element in this) {\n sum += element\n
checkCountOverflow(++count)\n }\n return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns
the sum of all elements in the collection.\n *\n@kotlin.jvm.JvmName("\sumOfByte")\npublic fun
Iterable<Byte>.sum(): Int {\n var sum: Int = 0\n for (element in this) {\n sum += element\n }\n return
sum\n}\n\n/**\n * Returns the sum of all elements in the collection.\n
*\n@kotlin.jvm.JvmName("\sumOfShort")\npublic fun Iterable<Short>.sum(): Int {\n var sum: Int = 0\n for
(element in this) {\n sum += element\n }\n return sum\n}\n\n/**\n * Returns the sum of all elements in the
collection.\n *\n@kotlin.jvm.JvmName("\sumOfInt")\npublic fun Iterable<Int>.sum(): Int {\n var sum: Int = 0\n
for (element in this) {\n sum += element\n }\n return sum\n}\n\n/**\n * Returns the sum of all elements in
the collection.\n *\n@kotlin.jvm.JvmName("\sumOfLong")\npublic fun Iterable<Long>.sum(): Long {\n var
sum: Long = 0L\n for (element in this) {\n sum += element\n }\n return sum\n}\n\n/**\n * Returns the
sum of all elements in the collection.\n *\n@kotlin.jvm.JvmName("\sumOfFloat")\npublic fun
Iterable<Float>.sum(): Float {\n var sum: Float = 0.0f\n for (element in this) {\n sum += element\n }\n
return sum\n}\n\n/**\n * Returns the sum of all elements in the collection.\n
*\n@kotlin.jvm.JvmName("\sumOfDouble")\npublic fun Iterable<Double>.sum(): Double {\n var sum: Double
= 0.0\n for (element in this) {\n sum += element\n }\n return sum\n}\n\n"/\n * Copyright 2010-2018
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\npackage kotlin.collections\n\nimport
kotlin.comparisons.naturalOrder\nimport kotlin.random.Random\n\n/** Returns the array if it's not `null`, or an
empty array otherwise. *\n@kotlin.internal.InlineOnly\npublic actual inline fun <T> Array<out T>?.orEmpty():
Array<out T> = this ?: emptyArray<T>()\n\n@kotlin.internal.InlineOnly\npublic actual inline fun <T>
Collection<T>.toArray(): Array<T> =
copyToArray(this)\n\n@JsName("\copyToArray")\n@PublishedApi\ninternal fun <T> copyToArray(collection:
Collection<T>): Array<T> {\n return if (collection.asDynamic().toArray !== undefined)\n
collection.asDynamic().toArray().unsafeCast<Array<T>>()\n else\n
copyToArrayImpl(collection).unsafeCast<Array<T>>()\n}\n\n@JsName("\copyToArrayImpl")\ninternal actual fun
copyToArrayImpl(collection: Collection<*>): Array<Any?> {\n val array = emptyArray<Any?>()\n val iterator
= collection.iterator()\n while (iterator.hasNext())\n array.asDynamic().push(iterator.next())\n return
array\n}\n\n@JsName("\copyToExistingArrayImpl")\ninternal actual fun <T> copyToArrayImpl(collection:
Collection<*>, array: Array<T>): Array<T> {\n if (array.size < collection.size)\n return

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copyToArrayImpl(collection).unsafeCast<Array<T>>()\n    val iterator = collection.iterator()\n    var index = 0\n    while (iterator.hasNext()) {\n        array[index++] = iterator.next().unsafeCast<T>()\n    }\n    if (index < array.size)\n    {\n        array[index] = null.unsafeCast<T>()\n    }\n    return array\n}\n\n/**\n * Returns an immutable list\n * containing only the specified object [element].\n */\npublic fun <T> listOf(element: T): List<T> =\n    arrayOf(element)\n\n/**\n * Returns an immutable set containing only the specified object [element].\n */\npublic fun <T> setOf(element: T): Set<T> = hashSetOf(element)\n\n/**\n * Returns an immutable map,\n * mapping only the specified key to the\n * specified value.\n */\npublic fun <K, V> mapOf(pair: Pair<K, V>):\n    Map<K, V> = hashMapOf(pair)\n\n/**\n * Fills the list with the provided [value].\n * Each element in the list\n * gets replaced with the [value].\n */\n@SinceKotlin("1.2")\npublic actual fun <T> MutableList<T>.fill(value: T):\n    Unit {\n    for (index in 0..lastIndex) {\n        this[index] = value\n    }\n}\n\n/**\n * Randomly shuffles elements in\n * this list.\n * See: https://en.wikipedia.org/wiki/Fisher%E2%80%93Yates\_shuffle#The\_modern\_algorithm\n */\n@SinceKotlin("1.2")\npublic actual fun <T> MutableList<T>.shuffle(): Unit = shuffle(Random)\n\n/**\n * Returns a new list with the elements of this list randomly shuffled.\n */\n@SinceKotlin("1.2")\npublic actual fun\n    <T> Iterable<T>.shuffled(): List<T> = toMutableList().apply { shuffle() }\n\n/**\n * Sorts elements in the list in-  
place according to their natural sort order.\n * The sort is _stable_. It means that equal elements preserve their  
order relative to each other after sorting.\n */\npublic actual fun <T : Comparable<T>> MutableList<T>.sort(): Unit\n    {\n    collectionsSort(this, naturalOrder())\n}\n\n/**\n * Sorts elements in the list in-place according to the order  
specified with [comparator].\n * The sort is _stable_. It means that equal elements preserve their order relative to  
each other after sorting.\n */\npublic actual fun <T> MutableList<T>.sortWith(comparator: Comparator<in T>):\n    Unit {\n    collectionsSort(this, comparator)\n}\n\nprivate fun <T> collectionsSort(list: MutableList<T>,\n    comparator: Comparator<in T>) {\n    if (list.size <= 1) return\n\n    val array = copyToArray(list)\n    sortArrayWith(array, comparator)\n\n    for (i in 0 until array.size) {\n        list[i] = array[i]\n    }\n}\n\ninternal\n    actual fun <T> arrayOfNulls(reference: Array<T>, size: Int): Array<T> {\n    return\n        arrayOfNulls<Any>(size).unsafeCast<Array<T>>()\n}\n\n@SinceKotlin("1.3")\n@PublishedApi\ninternal fun <T> arrayCopy(source: Array<out T>, destination: Array<in T>, destinationOffset: Int,\n    startIndex: Int, endIndex: Int) {\n    AbstractList.checkRangeIndexes(startIndex, endIndex, source.size)\n    val\n        rangeSize = endIndex - startIndex\n    AbstractList.checkRangeIndexes(destinationOffset, destinationOffset +\n        rangeSize, destination.size)\n\n    if (js("ArrayBuffer").isView(destination) &&\n        js("ArrayBuffer").isView(source)) {\n        val subrange = source.asDynamic().subarray(startIndex, endIndex)\n        destination.asDynamic().set(subrange, destinationOffset)\n    } else {\n        if (source !== destination ||\n            destinationOffset <= startIndex) {\n            for (index in 0 until rangeSize) {\n                destination[destinationOffset + index] = source[startIndex + index]\n            }\n        } else {\n            for (index in\n                rangeSize - 1 downTo 0) {\n                destination[destinationOffset + index] = source[startIndex + index]\n            }\n        }\n    }\n}\n\n// no singleton map implementation in js, return map as\n    is\n\n@Suppress("NOTHING_TO_INLINE")\ninternal actual inline fun <K, V> Map<K,\n    V>.toSingletonMapOrSelf(): Map<K, V> = this\n\n@Suppress("NOTHING_TO_INLINE")\ninternal actual inline\n    fun <K, V> Map<out K, V>.toSingletonMap(): Map<K, V> =\n        this.toMutableMap()\n\n@Suppress("NOTHING_TO_INLINE")\ninternal actual inline fun <T> Array<out\n    T>.copyToArrayOfAny(isVarargs: Boolean): Array<out Any?> =\n    if (isVarargs)\n        // no need to copy vararg\n        array in JS\n        this\n    else\n        this.copyOf()\n\n@PublishedApi\ninternal actual fun\n    checkIndexOverflow(index: Int): Int {\n    if (index < 0) {\n        throwIndexOverflow()\n    }\n    return\n        index\n}\n\n@PublishedApi\ninternal actual fun\n    checkCountOverflow(count: Int): Int {\n    if (count < 0) {\n        throwCountOverflow()\n    }\n    return count\n}\n\n"/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin\n * Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be\n * found in the license/LICENSE.txt file.\n */\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("CollectionsKt")\n\npackage\n    kotlin.collections\n\n/**\n * Returns the given iterator itself. This allows to use an instance of iterator in a `for`\n * loop.\n * @sample samples.collections.Iterators.iterator\n */\n@kotlin.internal.InlineOnly\npublic inline operator

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fun <T> Iterator<T>.iterator(): Iterator<T> = this\n\n/**\n * Returns an [Iterator] that wraps each element produced
by the original iterator\n * into an [IndexedValue] containing the index of that element and the element itself.\n *\n * @sample samples.collections.Iterators.withIndexIterator\n */\npublic fun <T> Iterator<T>.withIndex():
Iterator<IndexedValue<T>> = IndexingIterator(this)\n\n/**\n * Performs the given [operation] on each element of
this [Iterator].\n * @sample samples.collections.Iterators.forEachIterator\n */\npublic inline fun <T>
Iterator<T>.forEach(operation: (T) -> Unit): Unit {\n    for (element in this) operation(element)\n}\n\n/**\n *
Iterator transforming original `iterator` into iterator of [IndexedValue], counting index from zero.\n */\ninternal class
IndexingIterator<out T>(private val iterator: Iterator<T>) : Iterator<IndexedValue<T>> {\n    private var index =
0\n    final override fun hasNext(): Boolean = iterator.hasNext()\n    final override fun next(): IndexedValue<T> =
IndexedValue(checkIndexOverflow(index++), iterator.next())\n}\n\n", "/*\n * Copyright 2010-2019 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("ComparisonsKt")\n\npackage
kotlin.comparisons\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\n\n/**\n * Returns the
greater of two values.\n * If values are equal, returns the first one.\n */\n@SinceKotlin("1.1")\npublic expect fun
<T : Comparable<T>> maxOf(a: T, b: T): T\n\n/**\n * Returns the greater of two values.\n
*\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Byte, b: Byte):
Byte\n\n/**\n * Returns the greater of two values.\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic
expect inline fun maxOf(a: Short, b: Short): Short\n\n/**\n * Returns the greater of two values.\n
*\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Int, b: Int): Int\n\n/**\n
* Returns the greater of two values.\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline
fun maxOf(a: Long, b: Long): Long\n\n/**\n * Returns the greater of two values.\n
*\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Float, b: Float):
Float\n\n/**\n * Returns the greater of two values.\n
*\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Double, b: Double):
Double\n\n/**\n * Returns the greater of three values.\n */\n@SinceKotlin("1.1")\npublic expect fun <T :
Comparable<T>> maxOf(a: T, b: T, c: T): T\n\n/**\n * Returns the greater of three values.\n
*\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Byte, b: Byte, c: Byte):
Byte\n\n/**\n * Returns the greater of three values.\n
*\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Short, b: Short, c:
Short): Short\n\n/**\n * Returns the greater of three values.\n
*\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Int, b: Int, c: Int):
Int\n\n/**\n * Returns the greater of three values.\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic
expect inline fun maxOf(a: Long, b: Long, c: Long): Long\n\n/**\n * Returns the greater of three values.\n
*\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Float, b: Float, c:
Float): Float\n\n/**\n * Returns the greater of three values.\n
*\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun maxOf(a: Double, b: Double, c:
Double): Double\n\n/**\n * Returns the greater of three values according to the order specified by the given
[comparator].\n */\n@SinceKotlin("1.1")\npublic fun <T> maxOf(a: T, b: T, c: T, comparator: Comparator<in T>):
T {\n    return maxOf(a, maxOf(b, c, comparator), comparator)\n}\n\n/**\n * Returns the greater of two values
according to the order specified by the given [comparator].\n * If values are equal, returns the first one.\n
*\n */\n@SinceKotlin("1.1")\npublic fun <T> maxOf(a: T, b: T, comparator: Comparator<in T>): T {\n    return if
(comparator.compare(a, b) >= 0) a else b\n}\n\n/**\n * Returns the smaller of two values.\n * If values are equal,
returns the first one.\n */\n@SinceKotlin("1.1")\npublic expect fun <T : Comparable<T>> minOf(a: T, b: T):
T\n\n/**\n * Returns the smaller of two values.\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic
expect inline fun minOf(a: Byte, b: Byte): Byte\n\n/**\n * Returns the smaller of two values.\n
*\n */\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Short, b: Short):
Short)

```

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Short\n\n**\n * Returns the smaller of two values.\n
*\n@SinceKotlin("\n1.1\n")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Int, b: Int): Int\n\n**\n
* Returns the smaller of two values.\n *\n@SinceKotlin("\n1.1\n")\n@kotlin.internal.InlineOnly\npublic expect inline
fun minOf(a: Long, b: Long): Long\n\n**\n
* Returns the smaller of two values.\n
*\n@SinceKotlin("\n1.1\n")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Float, b: Float):
Float\n\n**\n
* Returns the smaller of two values.\n
*\n@SinceKotlin("\n1.1\n")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Double, b: Double):
Double\n\n**\n
* Returns the smaller of three values.\n *\n@SinceKotlin("\n1.1\n")\npublic expect fun <T :
Comparable<T>> minOf(a: T, b: T, c: T): T\n\n**\n
* Returns the smaller of three values.\n
*\n@SinceKotlin("\n1.1\n")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Byte, b: Byte, c: Byte):
Byte\n\n**\n
* Returns the smaller of three values.\n
*\n@SinceKotlin("\n1.1\n")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Short, b: Short, c:
Short): Short\n\n**\n
* Returns the smaller of three values.\n
*\n@SinceKotlin("\n1.1\n")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Int, b: Int, c: Int):
Int\n\n**\n
* Returns the smaller of three values.\n *\n@SinceKotlin("\n1.1\n")\n@kotlin.internal.InlineOnly\npublic
expect inline fun minOf(a: Long, b: Long, c: Long): Long\n\n**\n
* Returns the smaller of three values.\n
*\n@SinceKotlin("\n1.1\n")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Float, b: Float, c: Float):
Float\n\n**\n
* Returns the smaller of three values.\n
*\n@SinceKotlin("\n1.1\n")\n@kotlin.internal.InlineOnly\npublic expect inline fun minOf(a: Double, b: Double, c:
Double): Double\n\n**\n
* Returns the smaller of three values according to the order specified by the given
[comparator].\n *\n@SinceKotlin("\n1.1\n")\npublic fun <T> minOf(a: T, b: T, c: T, comparator: Comparator<in T>):
T {\n    return minOf(a, minOf(b, c, comparator), comparator)\n}\n\n**\n
* Returns the smaller of two values
according to the order specified by the given [comparator].\n * If values are equal, returns the first one.\n
*\n@SinceKotlin("\n1.1\n")\npublic fun <T> minOf(a: T, b: T, comparator: Comparator<in T>): T {\n    return if
(comparator.compare(a, b) <= 0) a else b\n}\n\n"/**\n
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Programming Language contributors.\n
* Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("\nMapsKt\n")\n\npackage
kotlin.collections\n\n/\n\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\nimport
kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n**\n
* Returns a [List] containing all key-value pairs.\n
*\npublic fun <K, V> Map<out K, V>.toList(): List<Pair<K, V>> {\n    if (size == 0)\n        return emptyList()\n    val iterator = entries.iterator()\n    if (!iterator.hasNext())\n        return emptyList()\n    val first = iterator.next()\n    if
(!iterator.hasNext())\n        return listOf(first.toPair())\n    val result = ArrayList<Pair<K, V>>(size)\n    result.add(first.toPair())\n    do {\n        result.add(iterator.next().toPair())\n    } while (iterator.hasNext())\n    return
result\n}\n\n**\n
* Returns a single list of all elements yielded from results of [transform] function being invoked
on each entry of original map.\n
*\npublic inline fun <K, V, R> Map<out K, V>.flatMap(transform: (Map.Entry<K,
V>) -> Iterable<R>): List<R> {\n    return flatMapTo(ArrayList<R>(), transform)\n}\n\n**\n
* Appends all
elements yielded from results of [transform] function being invoked on each entry of original map, to the given
[destination].\n
*\npublic inline fun <K, V, R, C : MutableCollection<in R>> Map<out K,
V>.flatMapTo(destination: C, transform: (Map.Entry<K, V>) -> Iterable<R>): C {\n    for (element in this) {\n
val list = transform(element)\n        destination.addAll(list)\n    }\n    return destination\n}\n\n**\n
* Returns a list
containing the results of applying the given [transform] function\n
* to each entry in the original map.\n
*\n * @sample samples.collections.Maps.Transformations.mapToList\n
*\npublic inline fun <K, V, R> Map<out K,
V>.map(transform: (Map.Entry<K, V>) -> R): List<R> {\n    return mapTo(ArrayList<R>(size),
transform)\n}\n\n**\n
* Returns a list containing only the non-null results of applying the given [transform]
function\n
* to each entry in the original map.\n
*\npublic inline fun <K, V, R : Any> Map<out K,
V>.mapNotNull(transform: (Map.Entry<K, V>) -> R?): List<R> {\n    return mapNotNullTo(ArrayList<R>(),

```

transform)\n}\n\n/**\n * Applies the given [transform] function to each entry in the original map\n * and appends only the non-null results to the given [destination].\n *
`public inline fun <K, V, R : Any, C : MutableCollection<in R>> Map<out K, V>.mapNotNullTo(destination: C, transform: (Map.Entry<K, V>) -> R?): C {\n forEach { element -> transform(element)?.let { destination.add(it) } }\n return destination}`\n\n\n/**\n * Applies the given [transform] function to each entry of the original map\n * and appends the results to the given [destination].\n *
`public inline fun <K, V, R, C : MutableCollection<in R>> Map<out K, V>.mapTo(destination: C, transform: (Map.Entry<K, V>) -> R): C {\n for (item in this)\n destination.add(transform(item))\n return destination}`\n\n\n/**\n * Returns `true` if all entries match the given [predicate].\n * \n * @sample samples.collections.Collections.Aggregates.all\n *
`public inline fun <K, V> Map<out K, V>.all(predicate: (Map.Entry<K, V>) -> Boolean): Boolean {\n if (isEmpty()) return true\n for (element in this) if (!predicate(element)) return false\n return true}`\n\n\n/**\n * Returns `true` if map has at least one entry.\n * \n * @sample samples.collections.Collections.Aggregates.any\n *
`public fun <K, V> Map<out K, V>.any(): Boolean {\n return !isEmpty()}\n\n\n/**\n * Returns `true` if at least one entry matches the given [predicate].\n * \n * @sample samples.collections.Collections.Aggregates.anyWithPredicate\n *
public inline fun <K, V> Map<out K, V>.any(predicate: (Map.Entry<K, V>) -> Boolean): Boolean {\n if (isEmpty()) return false\n for (element in this) if (predicate(element)) return true\n return false}\n\n\n/**\n * Returns the number of entries in this map.\n *
@kotlin.internal.InlineOnly\n public inline fun <K, V> Map<out K, V>.count(): Int {\n return size}\n\n\n/**\n * Returns the number of entries matching the given [predicate].\n *
public inline fun <K, V> Map<out K, V>.count(predicate: (Map.Entry<K, V>) -> Boolean): Int {\n if (isEmpty()) return 0\n var count = 0\n for (element in this) if (predicate(element)) ++count\n return count}\n\n\n/**\n * Performs the given [action] on each entry.\n *
@kotlin.internal.HidesMembers\n public inline fun <K, V> Map<out K, V>.forEach(action: (Map.Entry<K, V>) -> Unit): Unit {\n for (element in this) action(element)}\n\n\n/**\n * Returns the first entry yielding the largest value of the given function or `null` if there are no entries.\n * \n * @sample samples.collections.Collections.Aggregates.maxBy\n *
@kotlin.internal.InlineOnly\n public inline fun <K, V, R : Comparable<R>> Map<out K, V>.maxBy(selector: (Map.Entry<K, V>) -> R): Map.Entry<K, V>? {\n return entries.maxBy(selector)}\n\n\n/**\n * Returns the first entry having the largest value according to the provided [comparator] or `null` if there are no entries.\n *
@kotlin.internal.InlineOnly\n public inline fun <K, V> Map<out K, V>.maxWith(comparator: Comparator<in Map.Entry<K, V>>): Map.Entry<K, V>? {\n return entries.maxWith(comparator)}\n\n\n/**\n * Returns the first entry yielding the smallest value of the given function or `null` if there are no entries.\n * \n * @sample samples.collections.Collections.Aggregates.minBy\n *
public inline fun <K, V, R : Comparable<R>> Map<out K, V>.minBy(selector: (Map.Entry<K, V>) -> R): Map.Entry<K, V>? {\n return entries.minBy(selector)}\n\n\n/**\n * Returns the first entry having the smallest value according to the provided [comparator] or `null` if there are no entries.\n *
public fun <K, V> Map<out K, V>.minWith(comparator: Comparator<in Map.Entry<K, V>>): Map.Entry<K, V>? {\n return entries.minWith(comparator)}\n\n\n/**\n * Returns `true` if the map has no entries.\n * \n * @sample samples.collections.Collections.Aggregates.none\n *
public fun <K, V> Map<out K, V>.none(): Boolean {\n return isEmpty()}\n\n\n/**\n * Returns `true` if no entries match the given [predicate].\n * \n * @sample samples.collections.Collections.Aggregates.noneWithPredicate\n *
public inline fun <K, V> Map<out K, V>.none(predicate: (Map.Entry<K, V>) -> Boolean): Boolean {\n if (isEmpty()) return true\n for (element in this) if (predicate(element)) return false\n return true}\n\n\n/**\n * Performs the given [action] on each entry and returns the map itself afterwards.\n *
@SinceKotlin("1.1")\n public inline fun <K, V, M : Map<out K, V>> M.onEach(action: (Map.Entry<K, V>) -> Unit): M {\n return apply { for (element in this) action(element) }\n\n\n/**\n * Creates an [Iterable] instance that wraps the original map returning its entries when being iterated.\n *
@kotlin.internal.InlineOnly\n public inline fun <K, V> Map<out K, V>.asIterable(): Iterable<Map.Entry<K, V>> {\n return entries}\n\n\n/**\n * Creates a [Sequence] instance that wraps the original map returning its entries when being iterated.\n *
public fun <K, V> Map<out K, V>.asSequence(): Sequence<Map.Entry<K, V>> {\n return entries.asSequence()}\n\n\n", /*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the`

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license/LICENSE.txt file.\n *\n\npackage
kotlin.ranges\n\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline operator fun Float.rangeTo(that:
Float): ClosedFloatingPointRange<Float> =\n
this.toDouble().rangeTo(that.toDouble()).unsafeCast<ClosedFloatingPointRange<Float>>()\n", /*\n * Copyright
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by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("SequencesKt")\n\npackage
kotlin.sequences\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\n\nimport kotlin.random.*\n\n/**\n * Returns
`true` if [element] is found in the sequence.\n *\n * The operation is _terminal_.\n *\n\npublic operator fun
<@kotlin.internal.OnlyInputTypes T> Sequence<T>.contains(element: T): Boolean {\n    return indexOf(element)
>= 0\n}\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the
[index] is out of bounds of this sequence.\n *\n * The operation is _terminal_.\n *\n\n * @sample
samples.collections.Collections.Elements.elementAt\n *\n\npublic fun <T> Sequence<T>.elementAt(index: Int): T
{\n    return elementAtOrElse(index) { throw IndexOutOfBoundsException("Sequence doesn't contain element at
index $index.") }\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue]
function if the [index] is out of bounds of this sequence.\n *\n * The operation is _terminal_.\n *\n\n * @sample
samples.collections.Collections.Elements.elementAtOrElse\n *\n\npublic fun <T>
Sequence<T>.elementAtOrElse(index: Int, defaultValue: (Int) -> T): T {\n    if (index < 0)\n        return
defaultValue(index)\n    val iterator = iterator()\n    var count = 0\n    while (iterator.hasNext()) {\n        val element
= iterator.next()\n        if (index == count++)\n            return element\n    }\n    return
defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or `null` if the [index] is out of bounds of
this sequence.\n *\n * The operation is _terminal_.\n *\n\n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n *\n\npublic fun <T>
Sequence<T>.elementAtOrNull(index: Int): T? {\n    if (index < 0)\n        return null\n    val iterator = iterator()\n
var count = 0\n    while (iterator.hasNext()) {\n        val element = iterator.next()\n        if (index == count++)\n
return element\n    }\n    return null\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null`
if no such element was found.\n *\n * The operation is _terminal_.\n *\n\n@kotlin.internal.InlineOnly\npublic inline
fun <T> Sequence<T>.find(predicate: (T) -> Boolean): T? {\n    return firstOrNull(predicate)\n}\n\n/**\n * Returns
the last element matching the given [predicate], or `null` if no such element was found.\n *\n * The operation is
_terminal_.\n *\n\n@kotlin.internal.InlineOnly\npublic inline fun <T> Sequence<T>.findLast(predicate: (T) ->
Boolean): T? {\n    return lastOrNull(predicate)\n}\n\n/**\n * Returns first element.\n *\n * @throws
[NoSuchElementException] if the sequence is empty.\n *\n * The operation is _terminal_.\n *\n\npublic fun <T>
Sequence<T>.first(): T {\n    val iterator = iterator()\n    if (!iterator.hasNext())\n        throw
NoSuchElementException("Sequence is empty.")\n    return iterator.next()\n}\n\n/**\n * Returns the first element
matching the given [predicate].\n *\n * @throws [NoSuchElementException] if no such element is found.\n *\n * The
operation is _terminal_.\n *\n\npublic inline fun <T> Sequence<T>.first(predicate: (T) -> Boolean): T {\n    for
(element in this) if (predicate(element)) return element\n    throw NoSuchElementException("Sequence contains no
element matching the predicate.")\n}\n\n/**\n * Returns the first element, or `null` if the sequence is empty.\n *\n *
The operation is _terminal_.\n *\n\npublic fun <T> Sequence<T>.firstOrNull(): T? {\n    val iterator = iterator()\n
if (!iterator.hasNext())\n        return null\n    return iterator.next()\n}\n\n/**\n * Returns the first element matching the
given [predicate], or `null` if element was not found.\n *\n * The operation is _terminal_.\n *\n\npublic inline fun
<T> Sequence<T>.firstOrNull(predicate: (T) -> Boolean): T? {\n    for (element in this) if (predicate(element))
return element\n    return null\n}\n\n/**\n * Returns first index of [element], or -1 if the sequence does not contain
element.\n *\n * The operation is _terminal_.\n *\n\npublic fun <@kotlin.internal.OnlyInputTypes T>
Sequence<T>.indexOf(element: T): Int {\n    var index = 0\n    for (item in this) {\n
checkIndexOverflow(index)\n        if (element == item)\n            return index\n        index++\n    }\n    return -
1\n}\n\n/**\n * Returns index of the first element matching the given [predicate], or -1 if the sequence does not

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contain such element.\n *\n * The operation is _terminal_.\n */\npublic inline fun <T>
Sequence<T>.indexOfFirst(predicate: (T) -> Boolean): Int {\n    var index = 0\n    for (item in this) {\n
checkIndexOverflow(index)\n        if (predicate(item))\n            return index\n        index++\n    }\n    return -
1\n}\n\n/>\n *\n * Returns index of the last element matching the given [predicate], or -1 if the sequence does not
contain such element.\n *\n * The operation is _terminal_.\n */\npublic inline fun <T>
Sequence<T>.indexOfLast(predicate: (T) -> Boolean): Int {\n    var lastIndex = -1\n    var index = 0\n    for (item in
this) {\n        checkIndexOverflow(index)\n            if (predicate(item))\n                lastIndex = index\n            index++\n
}\n    return lastIndex\n}\n\n/>\n *\n * Returns the last element.\n *\n * @throws [NoSuchElementException] if the
sequence is empty.\n *\n * The operation is _terminal_.\n */\npublic fun <T> Sequence<T>.last(): T {\n    val
iterator = iterator()\n    if (!iterator.hasNext())\n        throw NoSuchElementException("\nSequence is empty.\n")\n
var last = iterator.next()\n    while (iterator.hasNext())\n        last = iterator.next()\n    return last\n}\n\n/>\n *\n *
Returns the last element matching the given [predicate].\n *\n * @throws [NoSuchElementException] if no such
element is found.\n *\n * The operation is _terminal_.\n */\npublic inline fun <T> Sequence<T>.last(predicate: (T) -
> Boolean): T {\n    var last: T? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element))
{\n            last = element\n            found = true\n        }\n    }\n    if (!found) throw
NoSuchElementException("\nSequence contains no element matching the predicate.\n")\n
@Suppress("\nUNCHECKED_CAST\n")\n    return last as T\n}\n\n/>\n *\n * Returns last index of [element], or -1 if the
sequence does not contain element.\n *\n * The operation is _terminal_.\n */\npublic fun
<@kotlin.internal.OnlyInputTypes T> Sequence<T>.lastIndexOf(element: T): Int {\n    var lastIndex = -1\n    var
index = 0\n    for (item in this) {\n        checkIndexOverflow(index)\n            if (element == item)\n                lastIndex =
index\n            index++\n    }\n    return lastIndex\n}\n\n/>\n *\n * Returns the last element, or `null` if the sequence is
empty.\n *\n * The operation is _terminal_.\n */\npublic fun <T> Sequence<T>.lastOrNull(): T? {\n    val iterator =
iterator()\n    if (!iterator.hasNext())\n        return null\n    var last = iterator.next()\n    while (iterator.hasNext())\n
last = iterator.next()\n    return last\n}\n\n/>\n *\n * Returns the last element matching the given [predicate], or `null` if
no such element was found.\n *\n * The operation is _terminal_.\n */\npublic inline fun <T>
Sequence<T>.lastOrNull(predicate: (T) -> Boolean): T? {\n    var last: T? = null\n    for (element in this) {\n        if
(predicate(element)) {\n            last = element\n        }\n    }\n    return last\n}\n\n/>\n *\n * Returns the single element,
or throws an exception if the sequence is empty or has more than one element.\n *\n * The operation is _terminal_.\n */\n
public fun <T> Sequence<T>.single(): T {\n    val iterator = iterator()\n    if (!iterator.hasNext())\n        throw
NoSuchElementException("\nSequence is empty.\n")\n    val single = iterator.next()\n    if (iterator.hasNext())\n        throw
IllegalArgumentException("\nSequence has more than one element.\n")\n    return single\n}\n\n/>\n *\n * Returns
the single element matching the given [predicate], or throws exception if there is no or more than one matching
element.\n *\n * The operation is _terminal_.\n */\npublic inline fun <T> Sequence<T>.single(predicate: (T) ->
Boolean): T {\n    var single: T? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element))
{\n            if (found) throw IllegalArgumentException("\nSequence contains more than one matching element.\n")\n            single =
element\n            found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("\nSequence
contains no element matching the predicate.\n")\n    @Suppress("\nUNCHECKED_CAST\n")\n    return single as
T\n}\n\n/>\n *\n * Returns single element, or `null` if the sequence is empty or has more than one element.\n *\n * The
operation is _terminal_.\n */\npublic fun <T> Sequence<T>.singleOrNull(): T? {\n    val iterator = iterator()\n    if
(!iterator.hasNext())\n        return null\n    val single = iterator.next()\n    if (iterator.hasNext())\n        return null\n
return single\n}\n\n/>\n *\n * Returns the single element matching the given [predicate], or `null` if element was not
found or more than one element was found.\n *\n * The operation is _terminal_.\n */\npublic inline fun <T>
Sequence<T>.singleOrNull(predicate: (T) -> Boolean): T? {\n    var single: T? = null\n    var found = false\n    for
(element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single = element\n
found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/>\n *\n * Returns a sequence containing
all elements except first [n] elements.\n *\n * The operation is _intermediate_ and _stateless_.\n */\n *\n * @throws
IllegalArgumentException if [n] is negative.\n */\n *\n * @sample
samples.collections.Collections.Transformations.drop\n */\npublic fun <T> Sequence<T>.drop(n: Int):

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Sequence<T> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return when {
        n == 0 -> this
        this is DropTakeSequence -> this.drop(n)
        else -> DropSequence(this, n)
    }
}

Returns a sequence containing all elements except first elements that satisfy the given [predicate].
The operation is _intermediate_ and _stateless_.

@sample
samples.collections.Collections.Transformations.dropWhile(predicate: (T) -> Boolean): Sequence<T> {
    return DropWhileSequence(this, predicate)
}

Returns a sequence containing only elements matching the given [predicate].
The operation is _intermediate_ and _stateless_.

@sample
samples.collections.Collections.Transformations.filter(predicate: (T) -> Boolean): Sequence<T> {
    return FilteringSequence(this, true, predicate)
}

Returns a sequence containing only elements matching the given [predicate].
@param [predicate] function that takes the index of an element and the element itself
and returns the result of predicate evaluation on the element.
The operation is _intermediate_ and _stateless_.

@sample
samples.collections.Collections.Transformations.filterIndexed(predicate: (index: Int, T) -> Boolean): Sequence<T> {
    // TODO: Rewrite with generalized MapFilterIndexingSequence
    return TransformingSequence(FilteringSequence(IndexingSequence(this), true, { predicate(it.index, it.value) } ), { it.value })
}

Appends all elements matching the given [predicate] to the given [destination].
@param [predicate] function that takes the index of an element and the element itself
and returns the result of predicate evaluation on the element.
The operation is _terminal_.

@sample
samples.collections.Collections.Transformations.filterIndexedTo(destination: C, predicate: (index: Int, T) -> Boolean): C {
    forEachIndexed { index, element ->
        if (predicate(index, element)) destination.add(element)
    }
    return destination
}

Returns a sequence containing all elements that are instances of specified type parameter R.
The operation is _intermediate_ and _stateless_.

@sample
samples.collections.Collections.Transformations.filterIsInstance(): Sequence<@kotlin.internal.NoInfer R> {
    @Suppress("UNCHECKED_CAST")
    return filter { it is R } as Sequence<R>
}

Appends all elements that are instances of specified type parameter R to the given [destination].
The operation is _terminal_.

@sample
samples.collections.Collections.Transformations.filterIsInstanceTo(destination: C): C {
    for (element in this) if (element is R) destination.add(element)
    return destination
}

Returns a sequence containing all elements not matching the given [predicate].
The operation is _intermediate_ and _stateless_.

@sample
samples.collections.Collections.Transformations.filterNot(predicate: (T) -> Boolean): Sequence<T> {
    return FilteringSequence(this, false, predicate)
}

Returns a sequence containing all elements that are not `null`.
The operation is _intermediate_ and _stateless_.

@sample
samples.collections.Collections.Transformations.filterNotNull(): Sequence<T> {
    @Suppress("UNCHECKED_CAST")
    return filterNot { it == null } as Sequence<T>
}

Appends all elements that are not `null` to the given [destination].
The operation is _terminal_.

@sample
samples.collections.Collections.Transformations.filterNotNullTo(destination: C): C {
    for (element in this) if (element != null) destination.add(element)
    return destination
}

Appends all elements not matching the given [predicate] to the given [destination].
The operation is _terminal_.

@sample
samples.collections.Collections.Transformations.filterNotTo(destination: C, predicate: (T) -> Boolean): C {
    for (element in this) if (!predicate(element)) destination.add(element)
    return destination
}

Appends all elements matching the given [predicate] to the given [destination].
The operation is _terminal_.

@sample
samples.collections.Collections.Transformations.filterTo(destination: C, predicate: (T) -> Boolean): C {
    for (element in this) if (predicate(element)) destination.add(element)
    return destination
}

Returns a sequence containing first [n] elements.
The operation is _intermediate_ and _stateless_.
@throws IllegalArgumentException if [n] is negative.

@sample
samples.collections.Collections.Transformations.take(n: Int): Sequence<T> {
    require(n >= 0) { "Requested element count $n is less than zero." }
    return when {
        n == 0 -> emptySequence()
        this is DropTakeSequence -> this.take(n)
        else -> TakeSequence(this, n)
    }
}

Returns a sequence containing first elements satisfying the given [predicate].
The operation is _intermediate_ and _stateless_.

@sample
samples.collections.Collections.Transformations.takeWhile(predicate: (T) -> Boolean): Sequence<T> {
    return TakeWhileSequence(this, predicate)
}

```



```

*public fun <T> Sequence<T>.takeWhile(predicate: (T) -> Boolean): Sequence<T> {
    return TakeWhileSequence(this, predicate)
}

* Returns a sequence that yields elements of this sequence sorted according to their natural sort order.
* The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.
* The operation is _intermediate_ and _stateful_.

*public fun <T : Comparable<T>> Sequence<T>.sorted(): Sequence<T> {
    return object : Sequence<T> {
        override fun iterator(): Iterator<T> {
            val sortedList = this@sorted.toMutableList()
            sortedList.sort()
            return sortedList.iterator()
        }
    }
}

* Returns a sequence that yields elements of this sequence sorted according to natural sort order of the value returned by specified [selector] function.
* The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.
* The operation is _intermediate_ and _stateful_.

*public inline fun <T, R : Comparable<R>> Sequence<T>.sortedBy(crossinline selector: (T) -> R?): Sequence<T> {
    return sortedWith(compareBy(selector))
}

* Returns a sequence that yields elements of this sequence sorted descending according to natural sort order of the value returned by specified [selector] function.
* The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.
* The operation is _intermediate_ and _stateful_.

*public inline fun <T, R : Comparable<R>> Sequence<T>.sortedByDescending(crossinline selector: (T) -> R?): Sequence<T> {
    return sortedWith(compareByDescending(selector))
}

* Returns a sequence that yields elements of this sequence sorted descending according to their natural sort order.
* The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.
* The operation is _intermediate_ and _stateful_.

*public fun <T : Comparable<T>> Sequence<T>.sortedDescending(): Sequence<T> {
    return sortedWith(reverseOrder())
}

* Returns a sequence that yields elements of this sequence sorted according to the specified [comparator].
* The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.
* The operation is _intermediate_ and _stateful_.

*public fun <T> Sequence<T>.sortedWith(comparator: Comparator<in T>): Sequence<T> {
    return object : Sequence<T> {
        override fun iterator(): Iterator<T> {
            val sortedList = this@sortedWith.toMutableList()
            sortedList.sortWith(comparator)
            return sortedList.iterator()
        }
    }
}

* Returns a [Map] containing key-value pairs provided by [transform] function applied to elements of the given sequence.
* If any of two pairs would have the same key the last one gets added to the map.
* The returned map preserves the entry iteration order of the original sequence.
* The operation is _terminal_.

*public inline fun <T, K, V> Sequence<T>.associate(transform: (T) -> Pair<K, V>): Map<K, V> {
    return associateTo(LinkedHashMap<K, V>(), transform)
}

* Returns a [Map] containing the elements from the given sequence indexed by the key returned from [keySelector] function applied to each element.
* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.
* The returned map preserves the entry iteration order of the original sequence.
* The operation is _terminal_.

*public inline fun <T, K> Sequence<T>.associateBy(keySelector: (T) -> K): Map<K, T> {
    return associateByTo(LinkedHashMap<K, T>(), keySelector)
}

* Returns a [Map] containing the values provided by [valueTransform] and indexed by [keySelector] functions applied to elements of the given sequence.
* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.
* The returned map preserves the entry iteration order of the original sequence.
* The operation is _terminal_.

*public inline fun <T, K, V> Sequence<T>.associateBy(keySelector: (T) -> K, valueTransform: (T) -> V): Map<K, V> {
    return associateByTo(LinkedHashMap<K, V>(), keySelector, valueTransform)
}

* Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function applied to each element of the given sequence and value is the element itself.
* If any two elements would have the same key returned by [keySelector] the last one gets added to the map.
* The operation is _terminal_.

*public inline fun <T, K, M : MutableMap<in K, in T>> Sequence<T>.associateByTo(destination: M, keySelector: (T) -> K): M {
    for (element in this) {
        destination.put(keySelector(element), element)
    }
    return destination
}

* Populates and returns the [destination] mutable map with key-value pairs, where key is provided by the [keySelector] function and

```

value is provided by the [valueTransform] function applied to elements of the given sequence.

If any two elements would have the same key returned by [keySelector] the last one gets added to the map.

The operation is `_terminal_`.

```
public inline fun <T, K, V, M : MutableMap<in K, in V>>
Sequence<T>.associateByTo(destination: M, keySelector: (T) -> K, valueTransform: (T) -> V): M {
    for (element in this) {
        destination.put(keySelector(element), valueTransform(element))
    }
    return destination
}
```

Populates and returns the [destination] mutable map with key-value pairs provided by [transform] function applied to each element of the given sequence.

If any of two pairs would have the same key the last one gets added to the map.

The operation is `_terminal_`.

```
public inline fun <T, K, V, M : MutableMap<in K, in V>>
Sequence<T>.associateTo(destination: M, transform: (T) -> Pair<K, V>): M {
    for (element in this) {
        destination += transform(element)
    }
    return destination
}
```

Returns a [Map] where keys are elements from the given sequence and values are produced by the [valueSelector] function applied to each element.

If any two elements are equal, the last one gets added to the map.

The returned map preserves the entry iteration order of the original sequence.

The operation is `_terminal_`.

@sample samples.collections.Collections.Transformations.associateWith

```
@SinceKotlin("1.3")
public inline fun <K, V>
Sequence<K>.associateWith(valueSelector: (K) -> V): Map<K, V> {
    val result =
        LinkedHashMap<K, V>()
    return associateWithTo(result, valueSelector)
}
```

Populates and returns the [destination] mutable map with key-value pairs for each element of the given sequence, where key is the element itself and value is provided by the [valueSelector] function applied to that key.

If any two elements are equal, the last one overwrites the former value in the map.

The operation is `_terminal_`.

```
@SinceKotlin("1.3")
public inline fun <K, V, M : MutableMap<in K, in V>>
Sequence<K>.associateWithTo(destination: M, valueSelector: (K) -> V): M {
    for (element in this) {
        destination.put(element, valueSelector(element))
    }
    return destination
}
```

Appends all elements to the given [destination] collection.

The operation is `_terminal_`.

```
public fun <T, C : MutableCollection<in T>>
Sequence<T>.toCollection(destination: C): C {
    for (item in this) {
        destination.add(item)
    }
    return destination
}
```

Returns a [HashSet] of all elements.

The operation is `_terminal_`.

```
public fun <T>
Sequence<T>.toHashSet(): HashSet<T> {
    return toCollection(HashSet<T>())
}
```

Returns a [List] containing all elements.

The operation is `_terminal_`.

```
public fun <T>
Sequence<T>.toList(): List<T> {
    return this.toMutableList().optimizeReadOnlyList()
}
```

Returns a [MutableList] filled with all elements of this sequence.

The operation is `_terminal_`.

```
public fun <T>
Sequence<T>.toMutableList(): MutableList<T> {
    return toCollection(ArrayList<T>())
}
```

Returns a [Set] of all elements.

The returned set preserves the element iteration order of the original sequence.

The operation is `_terminal_`.

```
public fun <T>
Sequence<T>.toSet(): Set<T> {
    return toCollection(LinkedHashSet<T>()).optimizeReadOnlySet()
}
```

Returns a single sequence of all elements from results of [transform] function being invoked on each element of original sequence.

The operation is `_intermediate_` and `_stateless_`.

```
public fun <T, R>
Sequence<T>.flatMap(transform: (T) -> Sequence<R>):
Sequence<R> {
    return FlatteningSequence(this, transform, { it.iterator() })
}
```

Appends all elements yielded from results of [transform] function being invoked on each element of original sequence, to the given [destination].

The operation is `_terminal_`.

```
public inline fun <T, R, C : MutableCollection<in R>>
Sequence<T>.flatMapTo(destination: C, transform: (T) -> Sequence<R>): C {
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return destination
}
```

Groups elements of the original sequence by the key returned by the given [keySelector] function applied to each element and returns a map where each group key is associated with a list of corresponding elements.

The returned map preserves the entry iteration order of the keys produced from the original sequence.

The operation is `_terminal_`.

@sample samples.collections.Collections.Transformations.groupBy

```
public inline fun <T, K>
Sequence<T>.groupBy(keySelector: (T) -> K): Map<K, List<T>> {
    return groupByTo(LinkedHashMap<K, MutableList<T>>(), keySelector)
}
```

Groups values returned by the [valueTransform] function applied to each element of the original sequence by the key returned by the given [keySelector] function applied to the

element and returns a map where each group key is associated with a list of corresponding values. The returned map preserves the entry iteration order of the keys produced from the original sequence. The operation is `_terminal_`. @sample

```

samples.collections.Collections.Transformations.groupByKeyAndValues
public inline fun <T, K, V>
Sequence<T>.groupBy(keySelector: (T) -> K, valueTransform: (T) -> V): Map<K, List<V>> {
    return groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)
}

```

Groups elements of the original sequence by the key returned by the given [keySelector] function applied to each element and puts to the [destination] map each group key associated with a list of corresponding elements. The operation is `_terminal_`. @sample

```

samples.collections.Collections.Transformations.groupBy
public inline fun <T, K, M : MutableMap<in K, MutableList<T>>> Sequence<T>.groupByTo(destination: M, keySelector: (T) -> K): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<T>() }
        list.add(element)
    }
    return destination
}

```

Groups values returned by the [valueTransform] function applied to each element of the original sequence by the key returned by the given [keySelector] function applied to the element and puts to the [destination] map each group key associated with a list of corresponding values. The operation is `_terminal_`. @sample

```

samples.collections.Collections.Transformations.groupByKeyAndValues
public inline fun <T, K, V, M : MutableMap<in K, MutableList<V>>> Sequence<T>.groupByTo(destination: M, keySelector: (T) -> K, valueTransform: (T) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) { ArrayList<V>() }
        list.add(valueTransform(element))
    }
    return destination
}

```

Creates a [Grouping] source from a sequence to be used later with one of group-and-fold operations using the specified [keySelector] function to extract a key from each element. The operation is `_intermediate_` and `_stateless_`. @sample

```

samples.collections.Grouping.groupingByEachCount
@SinceKotlin("1.1")
public inline fun <T, K> Sequence<T>.groupingBy(crossinline keySelector: (T) -> K): Grouping<T, K> {
    return object : Grouping<T, K> {
        override fun sourceIterator(): Iterator<T> = this@groupingBy.iterator()
        override fun keyOf(element: T): K = keySelector(element)
    }
}

```

Returns a sequence containing the results of applying the given [transform] function to each element in the original sequence. The operation is `_intermediate_` and `_stateless_`. @sample

```

samples.collections.Collections.Transformations.map
public fun <T, R> Sequence<T>.map(transform: (T) -> R): Sequence<R> {
    return TransformingSequence(this, transform)
}

```

Returns a sequence containing the results of applying the given [transform] function to each element and its index in the original sequence. @param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element. The operation is `_intermediate_` and `_stateless_`. @sample

```

public fun <T, R> Sequence<T>.mapIndexed(transform: (index: Int, T) -> R): Sequence<R> {
    return TransformingIndexedSequence(this, transform)
}

```

Returns a sequence containing only the non-null results of applying the given [transform] function to each element and its index in the original sequence. @param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element. The operation is `_intermediate_` and `_stateless_`. @sample

```

public fun <T, R : Any> Sequence<T>.mapIndexedNotNull(transform: (index: Int, T) -> R?): Sequence<R> {
    return TransformingIndexedSequence(this, transform).filterNotNull()
}

```

Applies the given [transform] function to each element and its index in the original sequence and appends only the non-null results to the given [destination]. @param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element. The operation is `_terminal_`. @sample

```

public inline fun <T, R : Any, C : MutableCollection<in R>> Sequence<T>.mapIndexedNotNullTo(destination: C, transform: (index: Int, T) -> R?): C {
    forEachIndexed { index, element -> transform(index, element)?.let { destination.add(it) } }
    return destination
}

```

Applies the given [transform] function to each element and its index in the original sequence and appends the results to the given [destination]. @param [transform] function that takes the index of an element and the element itself and returns the result of the transform applied to the element.

The operation is `_terminal_`.
`public inline fun <T, R, C : MutableCollection<in R>> Sequence<T>.mapIndexedTo(destination: C, transform: (index: Int, T) -> R): C { \n var index = 0 \n for (item in this) \n destination.add(transform(checkIndexOverflow(index++), item)) \n return destination \n } \n \n \n * Returns a sequence containing only the non-null results of applying the given [transform] function \n * to each element in the original sequence. \n * \n * The operation is _intermediate_ and _stateless_.
public fun <T, R : Any> Sequence<T>.mapNotNull(transform: (T) -> R?): Sequence<R> { \n return TransformingSequence(this, transform).filterNotNull() \n } \n \n \n * Applies the given [transform] function to each element in the original sequence \n * and appends only the non-null results to the given [destination]. \n * \n * The operation is _terminal_.
public inline fun <T, R : Any, C : MutableCollection<in R>> Sequence<T>.mapNotNullTo(destination: C, transform: (T) -> R?): C { \n forEach { element -> transform(element)?.let { destination.add(it) } } \n return destination \n } \n \n \n * Applies the given [transform] function to each element of the original sequence \n * and appends the results to the given [destination]. \n * \n * The operation is _terminal_.
public inline fun <T, R, C : MutableCollection<in R>> Sequence<T>.mapTo(destination: C, transform: (T) -> R): C { \n for (item in this) \n destination.add(transform(item)) \n return destination \n } \n \n \n * Returns a sequence that wraps each element of the original sequence \n * into an [IndexedValue] containing the index of that element and the element itself. \n * \n * The operation is _intermediate_ and _stateless_.
public fun <T> Sequence<T>.withIndex(): Sequence<IndexedValue<T>> { \n return IndexingSequence(this) \n } \n \n \n * Returns a sequence containing only distinct elements from the given sequence. \n * \n * The elements in the resulting sequence are in the same order as they were in the source sequence. \n * \n * The operation is _intermediate_ and _stateful_.
public fun <T> Sequence<T>.distinct(): Sequence<T> { \n return this.distinctBy { it } \n } \n \n \n * Returns a sequence containing only elements from the given sequence \n * having distinct keys returned by the given [selector] function. \n * \n * The elements in the resulting sequence are in the same order as they were in the source sequence. \n * \n * The operation is _intermediate_ and _stateful_.
public fun <T, K> Sequence<T>.distinctBy(selector: (T) -> K): Sequence<T> { \n return DistinctSequence(this, selector) \n } \n \n \n * Returns a mutable set containing all distinct elements from the given sequence. \n * \n * The returned set preserves the element iteration order of the original sequence. \n * \n * The operation is _terminal_.
public fun <T> Sequence<T>.toMutableSet(): MutableSet<T> { \n val set = LinkedHashSet<T>() \n for (item in this) set.add(item) \n return set \n } \n \n \n * Returns `true` if all elements match the given [predicate]. \n * \n * The operation is _terminal_.
@sample samples.collections.Collections.Aggregates.all \n public inline fun <T> Sequence<T>.all(predicate: (T) -> Boolean): Boolean { \n for (element in this) if (!predicate(element)) return false \n return true \n } \n \n \n * Returns `true` if sequence has at least one element. \n * \n * The operation is _terminal_.
@sample samples.collections.Collections.Aggregates.any \n public fun <T> Sequence<T>.any(): Boolean { \n return iterator().hasNext() \n } \n \n \n * Returns `true` if at least one element matches the given [predicate]. \n * \n * The operation is _terminal_.
@sample samples.collections.Collections.Aggregates.anyWithPredicate \n public inline fun <T> Sequence<T>.any(predicate: (T) -> Boolean): Boolean { \n for (element in this) if (predicate(element)) return true \n return false \n } \n \n \n * Returns the number of elements in this sequence. \n * \n * The operation is _terminal_.
public fun <T> Sequence<T>.count(): Int { \n var count = 0 \n for (element in this) checkCountOverflow(++count) \n return count \n } \n \n \n * Returns the number of elements matching the given [predicate]. \n * \n * The operation is _terminal_.
public inline fun <T> Sequence<T>.count(predicate: (T) -> Boolean): Int { \n var count = 0 \n for (element in this) if (predicate(element)) checkCountOverflow(++count) \n return count \n } \n \n \n * Accumulates value starting with [initial] value and applying [operation] from left to right to current accumulator value and each element. \n * \n * The operation is _terminal_.
public inline fun <T, R> Sequence<T>.fold(initial: R, operation: (acc: R, T) -> R): R { \n var accumulator = initial \n for (element in this) accumulator = operation(accumulator, element) \n return accumulator \n } \n \n \n * Accumulates value starting with [initial] value and applying [operation] from left to right \n * to current accumulator value and each element with its index in the original sequence. \n * \n * @param [operation] function that takes the index of an element, current accumulator value \n * and the element itself, and calculates the next accumulator value. \n * \n * The operation is`

```

_terminal_.\n *^\npublic inline fun <T, R> Sequence<T>.foldIndexed(initial: R, operation: (index: Int, acc: R, T) ->
R): R {\n  var index = 0\n  var accumulator = initial\n  for (element in this) accumulator =
operation(checkIndexOverflow(index++), accumulator, element)\n  return accumulator\n}\n\n/**\n * Performs the
given [action] on each element.\n *\n * The operation is _terminal_.\n *^\npublic inline fun <T>
Sequence<T>.forEach(action: (T) -> Unit): Unit {\n  for (element in this) action(element)\n}\n\n/**\n * Performs
the given [action] on each element, providing sequential index with the element.\n *\n * @param [action] function that
takes the index of an element and the element itself\n * and performs the desired action on the element.\n *\n * The
operation is _terminal_.\n *^\npublic inline fun <T> Sequence<T>.forEachIndexed(action: (index: Int, T) -> Unit):
Unit {\n  var index = 0\n  for (item in this) action(checkIndexOverflow(index++), item)\n}\n\n/**\n * Returns the
largest element or `null` if there are no elements.\n *\n * If any of elements is `NaN` returns `NaN`.\n *\n * The
operation is _terminal_.\n *^\n@SinceKotlin("1.1")\npublic fun Sequence<Double>.max(): Double? {\n  val
iterator = iterator()\n  if (!iterator.hasNext()) return null\n  var max = iterator.next()\n  if (max.isNaN()) return
max\n  while (iterator.hasNext()) {\n    val e = iterator.next()\n    if (e.isNaN()) return e\n    if (max < e) max
= e\n  }\n  return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n *\n * If any
of elements is `NaN` returns `NaN`.\n *\n * The operation is _terminal_.\n *^\n@SinceKotlin("1.1")\npublic fun
Sequence<Float>.max(): Float? {\n  val iterator = iterator()\n  if (!iterator.hasNext()) return null\n  var max =
iterator.next()\n  if (max.isNaN()) return max\n  while (iterator.hasNext()) {\n    val e = iterator.next()\n    if
(e.isNaN()) return e\n    if (max < e) max = e\n  }\n  return max\n}\n\n/**\n * Returns the largest element or
`null` if there are no elements.\n *\n * The operation is _terminal_.\n *^\npublic fun <T : Comparable<T>>
Sequence<T>.max(): T? {\n  val iterator = iterator()\n  if (!iterator.hasNext()) return null\n  var max =
iterator.next()\n  while (iterator.hasNext()) {\n    val e = iterator.next()\n    if (max < e) max = e\n  }\n  return
max\n}\n\n/**\n * Returns the first element yielding the largest value of the given function or `null` if there
are no elements.\n *\n * The operation is _terminal_.\n *^\n * @sample
samples.collections.Collections.Aggregates.maxBy\n *^\npublic inline fun <T, R : Comparable<R>>
Sequence<T>.maxBy(selector: (T) -> R): T? {\n  val iterator = iterator()\n  if (!iterator.hasNext()) return null\n
var maxElem = iterator.next()\n  if (!iterator.hasNext()) return maxElem\n  var maxValue = selector(maxElem)\n  do {\n
val e = iterator.next()\n    val v = selector(e)\n    if (maxValue < v) {\n      maxElem = e\n      maxValue = v\n    }\n  } while (iterator.hasNext())\n  return maxElem\n}\n\n/**\n * Returns the first element
having the largest value according to the provided [comparator] or `null` if there are no elements.\n *\n * The
operation is _terminal_.\n *^\npublic fun <T> Sequence<T>.maxWith(comparator: Comparator<in T>): T? {\n  val
iterator = iterator()\n  if (!iterator.hasNext()) return null\n  var max = iterator.next()\n  while (iterator.hasNext())
{\n    val e = iterator.next()\n    if (comparator.compare(max, e) < 0) max = e\n  }\n  return max\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n *\n * If any of elements is `NaN` returns `NaN`.\n *\n * The operation is _terminal_.\n *^\n@SinceKotlin("1.1")\npublic fun Sequence<Double>.min(): Double? {\n  val
iterator = iterator()\n  if (!iterator.hasNext()) return null\n  var min = iterator.next()\n  if (min.isNaN()) return
min\n  while (iterator.hasNext()) {\n    val e = iterator.next()\n    if (e.isNaN()) return e\n    if (min > e) min
= e\n  }\n  return min\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n *\n * If any
of elements is `NaN` returns `NaN`.\n *\n * The operation is _terminal_.\n *^\n@SinceKotlin("1.1")\npublic fun
Sequence<Float>.min(): Float? {\n  val iterator = iterator()\n  if (!iterator.hasNext()) return null\n  var min =
iterator.next()\n  if (min.isNaN()) return min\n  while (iterator.hasNext()) {\n    val e = iterator.next()\n    if
(e.isNaN()) return e\n    if (min > e) min = e\n  }\n  return min\n}\n\n/**\n * Returns the smallest element or
`null` if there are no elements.\n *\n * The operation is _terminal_.\n *^\npublic fun <T : Comparable<T>>
Sequence<T>.min(): T? {\n  val iterator = iterator()\n  if (!iterator.hasNext()) return null\n  var min =
iterator.next()\n  while (iterator.hasNext()) {\n    val e = iterator.next()\n    if (min > e) min = e\n  }\n  return
min\n}\n\n/**\n * Returns the first element yielding the smallest value of the given function or `null` if there are no
elements.\n *\n * The operation is _terminal_.\n *^\n * @sample
samples.collections.Collections.Aggregates.minBy\n *^\npublic inline fun <T, R : Comparable<R>>
Sequence<T>.minBy(selector: (T) -> R): T? {\n  val iterator = iterator()\n  if (!iterator.hasNext()) return null\n

```

```

var minElem = iterator.next()\n  if (!iterator.hasNext()) return minElem\n  var minValue = selector(minElem)\n  do {\n    val e = iterator.next()\n    val v = selector(e)\n    if (minValue > v) {\n      minElem = e\n      minValue = v\n    }\n  } while (iterator.hasNext())\n  return minElem\n}\n\n/**\n * Returns the first element\n * having the smallest value according to the provided [comparator] or `null` if there are no elements.\n *\n * The\n * operation is _terminal_.\n *\n * @public fun <T> Sequence<T>.minWith(comparator: Comparator<in T>): T? {\n  val\n  iterator = iterator()\n  if (!iterator.hasNext()) return null\n  var min = iterator.next()\n  while (iterator.hasNext())\n  {\n    val e = iterator.next()\n    if (comparator.compare(min, e) > 0) min = e\n  }\n  return min\n}\n\n/**\n * Returns `true` if the sequence has no elements.\n *\n * The operation is _terminal_.\n *\n * @sample\n * samples.collections.Collections.Aggregates.none\n *\n * @public fun <T> Sequence<T>.none(): Boolean {\n  return\n  !iterator().hasNext()\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n *\n * The operation is\n * _terminal_.\n *\n * @sample\n * samples.collections.Collections.Aggregates.noneWithPredicate\n *\n * @public inline fun\n * <T> Sequence<T>.none(predicate: (T) -> Boolean): Boolean {\n  for (element in this) if (predicate(element))\n  return false\n  return true\n}\n\n/**\n * Returns a sequence which performs the given [action] on each element of\n * the original sequence as they pass through it.\n *\n * The operation is _intermediate_ and _stateless_.\n *\n * @SinceKotlin("1.1")\n * @public fun <T> Sequence<T>.onEach(action: (T) -> Unit): Sequence<T> {\n  return\n  map {\n    action(it)\n    it\n  }\n}\n\n/**\n * Accumulates value starting with the first element and applying\n * [operation] from left to right to current accumulator value and each element.\n *\n * The operation is _terminal_.\n *\n * @public inline fun <S, T : S> Sequence<T>.reduce(operation: (acc: S, T) -> S): S {\n  val iterator =\n  this.iterator()\n  if (!iterator.hasNext()) throw UnsupportedOperationException("Empty sequence can't be\n  reduced.")\n  var accumulator: S = iterator.next()\n  while (iterator.hasNext()) {\n    accumulator =\n    operation(accumulator, iterator.next())\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with\n * the first element and applying [operation] from left to right\n * to current accumulator value and each element with\n * its index in the original sequence.\n *\n * @param [operation] function that takes the index of an element, current\n * accumulator value\n * and the element itself and calculates the next accumulator value.\n *\n * The operation is\n * _terminal_.\n *\n * @public inline fun <S, T : S> Sequence<T>.reduceIndexed(operation: (index: Int, acc: S, T) -> S): S\n * {\n  val iterator = this.iterator()\n  if (!iterator.hasNext()) throw UnsupportedOperationException("Empty\n  sequence can't be reduced.")\n  var index = 1\n  var accumulator: S = iterator.next()\n  while (iterator.hasNext())\n  {\n    accumulator = operation(checkIndexOverflow(index++), accumulator, iterator.next())\n  }\n  return\n  accumulator\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in\n * the sequence.\n *\n * The operation is _terminal_.\n *\n * @public inline fun <T> Sequence<T>.sumBy(selector: (T) ->\n * Int): Int {\n  var sum: Int = 0\n  for (element in this) {\n    sum += selector(element)\n  }\n  return\n  sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function applied to each element in the\n * sequence.\n *\n * The operation is _terminal_.\n *\n * @public inline fun <T> Sequence<T>.sumByDouble(selector:\n * (T) -> Double): Double {\n  var sum: Double = 0.0\n  for (element in this) {\n    sum += selector(element)\n  }\n  return sum\n}\n\n/**\n * Returns an original collection containing all the non-`null` elements, throwing an\n * [IllegalArgumentException] if there are any `null` elements.\n *\n * The operation is _intermediate_ and\n * _stateless_.\n *\n * @public fun <T : Any> Sequence<T?>.requireNonNulls(): Sequence<T> {\n  return map { it ?:\n  throw IllegalArgumentException("null element found in $this.") }\n}\n\n/**\n * Splits this sequence into a\n * sequence of lists each not exceeding the given [size].\n *\n * The last list in the resulting sequence may have less\n * elements than the given [size].\n *\n * @param size the number of elements to take in each list, must be positive\n * and can be greater than the number of elements in this sequence.\n *\n * The operation is _intermediate_ and\n * _stateful_.\n *\n * @sample\n * samples.collections.Collections.Transformations.chunked\n *\n * @SinceKotlin("1.2")\n * @public fun <T> Sequence<T>.chunked(size: Int): Sequence<List<T>> {\n  return\n  windowed(size, size, partialWindows = true)\n}\n\n/**\n * Splits this sequence into several lists each not exceeding\n * the given [size]\n * and applies the given [transform] function to an each.\n *\n * @return sequence of results of the\n * [transform] applied to an each list.\n *\n * Note that the list passed to the [transform] function is ephemeral and is\n * valid only inside that function.\n *\n * You should not store it or allow it to escape in some way, unless you made a\n * snapshot of it.\n *\n * The last list may have less elements than the given [size].\n *\n * @param size the number of

```

elements to take in each list, must be positive and can be greater than the number of elements in this sequence.

```

    * The operation is _intermediate_ and _stateful_.
    * @sample samples.text.Strings.chunkedTransform
    * Since Kotlin("1.2")
    public fun <T, R> Sequence<T>.chunked(size: Int, transform: (List<T>) -> R):
    Sequence<R> {
        return windowed(size, size, partialWindows = true, transform = transform)
    }

```

Returns a sequence containing all elements of the original sequence without the first occurrence of the given [element].

```

    * The operation is _intermediate_ and _stateless_.
    * public operator fun <T>
    Sequence<T>.minus(element: T): Sequence<T> {
        return object: Sequence<T> {
            override fun iterator():
            Iterator<T> {
                var removed = false
                return this@minus.filter { if (!removed && it == element) {
                    removed = true; false } else true }.iterator()
            }
        }
    }

```

Returns a sequence containing all elements of original sequence except the elements contained in the given [elements] array.

Note that the source sequence and the array being subtracted are iterated only when an `iterator` is requested from the resulting sequence. Changing any of them between successive calls to `iterator` may affect the result.

The [elements] array may be converted to a [HashSet] to speed up the operation, thus the elements are required to have a correct and stable implementation of `hashCode()` that doesn't change between successive invocations.

```

    * The operation is _intermediate_ and _stateful_.
    * public operator fun <T> Sequence<T>.minus(elements: Array<out
    T>): Sequence<T> {
        if (elements.isEmpty()) return this
        return object: Sequence<T> {
            override fun
            iterator(): Iterator<T> {
                val other = elements.toHashSet()
                return this@minus.filterNot { it in other
                }.iterator()
            }
        }
    }

```

Returns a sequence containing all elements of original sequence except the elements contained in the given [elements] collection.

Note that the source sequence and the collection being subtracted are iterated only when an `iterator` is requested from the resulting sequence. Changing any of them between successive calls to `iterator` may affect the result.

The [elements] collection may be converted to a [HashSet] to speed up the operation, thus the elements are required to have a correct and stable implementation of `hashCode()` that doesn't change between successive invocations.

```

    * The operation is _intermediate_ and _stateful_.
    * public operator fun <T> Sequence<T>.minus(elements: Iterable<T>):
    Sequence<T> {
        return object: Sequence<T> {
            override fun iterator(): Iterator<T> {
                val other =
                elements.convertToSetForSetOperation()
                if (other.isEmpty()) return this@minus.iterator()
                else
                return this@minus.filterNot { it in other }.iterator()
            }
        }
    }

```

Returns a sequence containing all elements of original sequence except the elements contained in the given [elements] sequence.

Note that the source sequence and the sequence being subtracted are iterated only when an `iterator` is requested from the resulting sequence. Changing any of them between successive calls to `iterator` may affect the result.

The operation is `_intermediate_` for this sequence and `_terminal_` and `_stateful_` for the [elements] sequence.

The [elements] sequence may be converted to a [HashSet] to speed up the operation, thus the elements are required to have a correct and stable implementation of `hashCode()` that doesn't change between successive invocations.

```

    * public operator fun <T> Sequence<T>.minus(elements: Sequence<T>): Sequence<T> {
        return object: Sequence<T> {
            override fun iterator(): Iterator<T> {
                val other =
                elements.toHashSet()
                if (other.isEmpty()) return this@minus.iterator()
                else
                return this@minus.filterNot { it in other }.iterator()
            }
        }
    }

```

Returns a sequence containing all elements of the original sequence without the first occurrence of the given [element].

```

    * The operation is _intermediate_ and _stateless_.
    * @kotlin.internal.InlineOnly
    public inline fun <T>
    Sequence<T>.minusElement(element: T): Sequence<T> {
        return minus(element)
    }

```

Splits the original sequence into pair of lists, where `first` list contains elements for which [predicate] yielded `true`, while `second` list contains elements for which [predicate] yielded `false`.

```

    * The operation is _terminal_.
    * public inline fun <T> Sequence<T>.partition(predicate: (T) -> Boolean): Pair<List<T>, List<T>> {
        val first = ArrayList<T>()
        val second = ArrayList<T>()
        for (element in this) {
            if (predicate(element)) {
                first.add(element)
            } else {
                second.add(element)
            }
        }
        return Pair(first, second)
    }

```

Returns a sequence containing all elements of the original sequence and then the given [element].

```

    * The operation is _intermediate_ and _stateless_.
    * public operator fun <T>
    Sequence<T>.plus(element: T): Sequence<T> {
        return sequenceOf(this,

```

sequenceOf(element)).flatten()\n\n/**\n * Returns a sequence containing all elements of original sequence and then all elements of the given [elements] array.\n * \n * Note that the source sequence and the array being added are iterated only when an `iterator` is requested from\n * the resulting sequence. Changing any of them between successive calls to `iterator` may affect the result.\n *\n * The operation is _intermediate_ and _stateless_.\n */\npublic operator fun <T> Sequence<T>.plus(elements: Array<out T>): Sequence<T> {\n return this.plus(elements.asList())\n}\n\n/**\n * Returns a sequence containing all elements of original sequence and then all elements of the given [elements] collection.\n * \n * Note that the source sequence and the collection being added are iterated only when an `iterator` is requested from\n * the resulting sequence. Changing any of them between successive calls to `iterator` may affect the result.\n *\n * The operation is _intermediate_ and _stateless_.\n */\npublic operator fun <T> Sequence<T>.plus(elements: Iterable<T>): Sequence<T> {\n return sequenceOf(this, elements.asSequence()).flatten()\n}\n\n/**\n * Returns a sequence containing all elements of original sequence and then all elements of the given [elements] sequence.\n * \n * Note that the source sequence and the sequence being added are iterated only when an `iterator` is requested from\n * the resulting sequence. Changing any of them between successive calls to `iterator` may affect the result.\n *\n * The operation is _intermediate_ and _stateless_.\n */\npublic operator fun <T> Sequence<T>.plus(elements: Sequence<T>): Sequence<T> {\n return sequenceOf(this, elements).flatten()\n}\n\n/**\n * Returns a sequence containing all elements of the original sequence and then the given [element].\n *\n * The operation is _intermediate_ and _stateless_.\n */\n@kotlin.internal.InlineOnly\npublic inline fun <T> Sequence<T>.plusElement(element: T): Sequence<T> {\n return plus(element)\n}\n\n/**\n * Returns a sequence of snapshots of the window of the given [size]\n * sliding along this sequence with the given [step], where each\n * snapshot is a list.\n * \n * Several last lists may have less elements than the given [size].\n * \n * Both [size] and [step] must be positive and can be greater than the number of elements in this sequence.\n * \n * @param size the number of elements to take in each window\n * @param step the number of elements to move the window forward by on an each step, by default 1\n * @param partialWindows controls whether or not to keep partial windows in the end if any,\n * by default `false` which means partial windows won't be preserved\n * \n * @sample samples.collections.Sequences.Transformations.takeWindows\n */\n@SinceKotlin("1.2")\npublic fun <T> Sequence<T>.windowed(size: Int, step: Int = 1, partialWindows: Boolean = false): Sequence<List<T>> {\n return windowedSequence(size, step, partialWindows, reuseBuffer = false)\n}\n\n/**\n * Returns a sequence of results of applying the given [transform] function to\n * an each list representing a view over the window of the given [size]\n * sliding along this sequence with the given [step].\n * \n * Note that the list passed to the [transform] function is ephemeral and is valid only inside that function.\n * You should not store it or allow it to escape in some way, unless you made a snapshot of it.\n * \n * Several last lists may have less elements than the given [size].\n * \n * Both [size] and [step] must be positive and can be greater than the number of elements in this sequence.\n * \n * @param size the number of elements to take in each window\n * @param step the number of elements to move the window forward by on an each step, by default 1\n * @param partialWindows controls whether or not to keep partial windows in the end if any,\n * by default `false` which means partial windows won't be preserved\n * \n * @sample samples.collections.Sequences.Transformations.averageWindows\n */\n@SinceKotlin("1.2")\npublic fun <T, R> Sequence<T>.windowed(size: Int, step: Int = 1, partialWindows: Boolean = false, transform: (List<T>) -> R): Sequence<R> {\n return windowedSequence(size, step, partialWindows, reuseBuffer = true).map(transform)\n}\n\n/**\n * Returns a sequence of values built from the elements of `this` sequence and the [other] sequence with the same index.\n * \n * The resulting sequence ends as soon as the shortest input sequence ends.\n *\n * The operation is _intermediate_ and _stateless_.\n *\n * @sample samples.collections.Sequences.Transformations.zip\n */\npublic infix fun <T, R> Sequence<T>.zip(other: Sequence<R>): Sequence<Pair<T, R>> {\n return MergingSequence(this, other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a sequence of values built from the elements of `this` sequence and the [other] sequence with the same index\n * using the provided [transform] function applied to each pair of elements.\n * \n * The resulting sequence ends as soon as the shortest input sequence ends.\n *\n * The operation is _intermediate_ and _stateless_.\n *\n * @sample samples.collections.Sequences.Transformations.zipWithTransform\n */\npublic fun <T, R, V>


```

Sequence<T>.zip(other: Sequence<R>, transform: (a: T, b: R) -> V): Sequence<V> {\n  return
MergingSequence(this, other, transform)\n}\n\n/**\n * Returns a sequence of pairs of each two adjacent elements in
this sequence.\n * \n * The returned sequence is empty if this sequence contains less than two elements.\n * \n * The
operation is _intermediate_ and _stateless_.\n * \n * @sample
samples.collections.Collections.Transformations.zipWithNext\n *\n@SinceKotlin("1.2")\npublic fun <T>
Sequence<T>.zipWithNext(): Sequence<Pair<T, T>> {\n  return zipWithNext { a, b -> a to b }\n}\n\n/**\n *
Returns a sequence containing the results of applying the given [transform] function\n * to an each pair of two
adjacent elements in this sequence.\n * \n * The returned sequence is empty if this sequence contains less than two
elements.\n * \n * The operation is _intermediate_ and _stateless_.\n * \n * @sample
samples.collections.Collections.Transformations.zipWithNextToFindDeltas\n *\n@SinceKotlin("1.2")\npublic
fun <T, R> Sequence<T>.zipWithNext(transform: (a: T, b: T) -> R): Sequence<R> {\n  return sequence result@
{\n    val iterator = iterator()\n    if (!iterator.hasNext()) return @result\n    var current = iterator.next()\n
while (iterator.hasNext()) {\n    val next = iterator.next()\n    yield(transform(current, next))\n
current = next\n    }\n  }\n}\n\n/**\n * Appends the string from all the elements separated using [separator] and
using the given [prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-
negative value of [limit], in which case only the first [limit]\n * elements will be appended, followed by the
[truncated] string (which defaults to "...").\n * \n * The operation is _terminal_.\n * \n * @sample
samples.collections.Collections.Transformations.joinTo\n *\n@SinceKotlin("1.2")\npublic fun <T, A : Appendable>
Sequence<T>.joinTo(buffer: A, separator: CharSequence = "\", \"", prefix: CharSequence = "\"", postfix:
CharSequence = "\"", limit: Int = -1, truncated: CharSequence = "...", transform: ((T) -> CharSequence)? = null): A
{\n  buffer.append(prefix)\n  var count = 0\n  for (element in this) {\n    if (++count > 1)
buffer.append(separator)\n    if (limit < 0 || count <= limit) {\n      buffer.appendElement(element, transform)\n
    } else break\n  }\n  if (limit >= 0 && count > limit) buffer.append(truncated)\n  buffer.append(postfix)\n
return buffer\n}\n\n/**\n * Creates a string from all the elements separated using [separator] and using the given
[prefix] and [postfix] if supplied.\n * \n * If the collection could be huge, you can specify a non-negative value of
[limit], in which case only the first [limit]\n * elements will be appended, followed by the [truncated] string (which
defaults to "...").\n * \n * The operation is _terminal_.\n * \n * @sample
samples.collections.Collections.Transformations.joinToString\n *\n@SinceKotlin("1.2")\npublic fun <T>
Sequence<T>.joinToString(separator: CharSequence = "\", \"", prefix: CharSequence = "\"", postfix: CharSequence =
\"", limit: Int = -1, truncated: CharSequence = "...", transform: ((T) -> CharSequence)? = null): String {\n  return
joinTo(StringBuilder(), separator, prefix, postfix, limit, truncated, transform).toString()\n}\n\n/**\n * Creates an
[Iterable] instance that wraps the original sequence returning its elements when being iterated.\n *\n@SinceKotlin("1.2")\npublic fun <T>
Sequence<T>.asIterable(): Iterable<T> {\n  return Iterable { this.iterator() }\n}\n\n/**\n * Returns this sequence as
a [Sequence].\n *\n@SinceKotlin("1.2")\npublic inline fun <T> Sequence<T>.asSequence(): Sequence<T>
{\n  return this\n}\n\n/**\n * Returns an average value of elements in the sequence.\n * \n * The operation is
_terminal_.\n *\n@SinceKotlin("1.2")\npublic fun Sequence<Byte>.average(): Double {\n  var sum: Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n
checkCountOverflow(++count)\n  }\n  return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns
an average value of elements in the sequence.\n * \n * The operation is _terminal_.\n *\n@SinceKotlin("1.2")\npublic fun Sequence<Short>.average(): Double {\n  var sum:
Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n
checkCountOverflow(++count)\n  }\n  return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns
an average value of elements in the sequence.\n * \n * The operation is _terminal_.\n *\n@SinceKotlin("1.2")\npublic fun Sequence<Int>.average(): Double {\n  var sum: Double
= 0.0\n  var count: Int = 0\n  for (element in this) {\n    sum += element\n    checkCountOverflow(++count)\n
  }\n  return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns an average value of elements in the
sequence.\n * \n * The operation is _terminal_.\n *\n@SinceKotlin("1.2")\npublic fun
Sequence<Long>.average(): Double {\n  var sum: Double = 0.0\n  var count: Int = 0\n  for (element in this) {\n

```

```

    sum += element\n    checkCountOverflow(++count)\n    }\n    return if (count == 0) Double.NaN else sum /
count\n}\n\n/**\n * Returns an average value of elements in the sequence.\n *\n * The operation is _terminal_.\n
*/\n@kotlin.jvm.JvmName("averageOfFloat")\npublic fun Sequence<Float>.average(): Double {\n    var sum:
Double = 0.0\n    var count: Int = 0\n    for (element in this) {\n        sum += element\n
checkCountOverflow(++count)\n    }\n    return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns
an average value of elements in the sequence.\n *\n * The operation is _terminal_.\n
*/\n@kotlin.jvm.JvmName("averageOfDouble")\npublic fun Sequence<Double>.average(): Double {\n    var sum:
Double = 0.0\n    var count: Int = 0\n    for (element in this) {\n        sum += element\n
checkCountOverflow(++count)\n    }\n    return if (count == 0) Double.NaN else sum / count\n}\n\n/**\n * Returns
the sum of all elements in the sequence.\n *\n * The operation is _terminal_.\n
*/\n@kotlin.jvm.JvmName("sumOfByte")\npublic fun Sequence<Byte>.sum(): Int {\n    var sum: Int = 0\n    for
(element in this) {\n        sum += element\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the
sequence.\n *\n * The operation is _terminal_.\n
*/\n@kotlin.jvm.JvmName("sumOfShort")\npublic fun
Sequence<Short>.sum(): Int {\n    var sum: Int = 0\n    for (element in this) {\n        sum += element\n    }\n    return
sum\n}\n\n/**\n * Returns the sum of all elements in the sequence.\n *\n * The operation is _terminal_.\n
*/\n@kotlin.jvm.JvmName("sumOfInt")\npublic fun Sequence<Int>.sum(): Int {\n    var sum: Int = 0\n    for
(element in this) {\n        sum += element\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the
sequence.\n *\n * The operation is _terminal_.\n
*/\n@kotlin.jvm.JvmName("sumOfLong")\npublic fun
Sequence<Long>.sum(): Long {\n    var sum: Long = 0L\n    for (element in this) {\n        sum += element\n    }\n
return sum\n}\n\n/**\n * Returns the sum of all elements in the sequence.\n *\n * The operation is _terminal_.\n
*/\n@kotlin.jvm.JvmName("sumOfFloat")\npublic fun Sequence<Float>.sum(): Float {\n    var sum: Float = 0.0f\n
for (element in this) {\n        sum += element\n    }\n    return sum\n}\n\n/**\n * Returns the sum of all elements in
the sequence.\n *\n * The operation is _terminal_.\n
*/\n@kotlin.jvm.JvmName("sumOfDouble")\npublic fun
Sequence<Double>.sum(): Double {\n    var sum: Double = 0.0\n    for (element in this) {\n        sum += element\n
    }\n    return sum\n}\n\n", "\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("SetsKt")\n\npackage
kotlin.collections\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\nimport
kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Returns a set containing all elements of the original
set except the given [element].\n *\n * The returned set preserves the element iteration order of the original set.\n
*/\n\npublic operator fun <T> Set<T>.minus(element: T): Set<T> {\n    val result =
LinkedHashSet<T>(mapCapacity(size))\n    var removed = false\n    return this.filterTo(result) { if (!removed && it
== element) { removed = true; false } else true }\n}\n\n/**\n * Returns a set containing all elements of the original
set except the elements contained in the given [elements] array.\n *\n * The returned set preserves the element
iteration order of the original set.\n *\n * The [elements] array may be converted to a [HashSet] to speed up the
operation, thus the elements are required to have\n * a correct and stable implementation of `hashCode()` that
doesn't change between successive invocations.\n
*/\n\npublic operator fun <T> Set<T>.minus(elements: Array<out
T>): Set<T> {\n    val result = LinkedHashSet<T>(this)\n    result.removeAll(elements)\n    return result\n}\n\n/**\n *
Returns a set containing all elements of the original set except the elements contained in the given [elements]
collection.\n *\n * The returned set preserves the element iteration order of the original set.\n *\n * The [elements]
collection may be converted to a [HashSet] to speed up the operation, thus the elements are required to have\n * a
correct and stable implementation of `hashCode()` that doesn't change between successive invocations.\n
*/\n\npublic operator fun <T> Set<T>.minus(elements: Iterable<T>): Set<T> {\n    val other =
elements.convertToSetForSetOperationWith(this)\n    if (other.isEmpty())\n        return this.toSet()\n    if (other is
Set)\n        return this.filterNotTo(LinkedHashSet<T>()) { it in other }\n    val result = LinkedHashSet<T>(this)\n
result.removeAll(other)\n    return result\n}\n\n/**\n * Returns a set containing all elements of the original set

```

except the elements contained in the given [elements] sequence.

`Set<T>.minus(elements: Sequence<T>): Set<T>` {`val result = LinkedHashSet<T>(this)``result.removeAll(elements)``return result`}

Returns a set containing all elements of the original set except the given [elements]. The returned set preserves the element iteration order of the original set.

`Set<T>.minusElement(element: T): Set<T>` {`return minus(element)`}

Returns a set containing all elements of the original set and then the given [element] if it isn't already in this set. The returned set preserves the element iteration order of the original set.

`Set<T>.plus(element: T): Set<T>` {`val result = LinkedHashSet<T>(mapCapacity(size + 1))``result.addAll(this)``result.add(element)``return result`}

Returns a set containing all elements of the original set and the given [element] if it isn't already in this set. The returned set preserves the element iteration order of the original set.

`Set<T>.plus(elements: Array<out T>): Set<T>` {`val result = LinkedHashSet<T>(mapCapacity(this.size + elements.size))``result.addAll(this)``result.addAll(elements)``return result`}

Returns a set containing all elements of the original set and the given [elements] collection, which aren't already in this set. The returned set preserves the element iteration order of the original set.

`Set<T>.plus(elements: Iterable<T>): Set<T>` {`val result = LinkedHashSet<T>(mapCapacity(elements.collectionSizeOrNull()?.let { this.size + it } ?: this.size * 2))``result.addAll(this)``result.addAll(elements)``return result`}

Returns a set containing all elements of the original set and the given [elements] sequence, which aren't already in this set. The returned set preserves the element iteration order of the original set.

`Set<T>.plus(elements: Sequence<T>): Set<T>` {`val result = LinkedHashSet<T>(mapCapacity(this.size * 2))``result.addAll(this)``result.addAll(elements)``return result`}

Returns a set containing all elements of the original set and then the given [element] if it isn't already in this set. The returned set preserves the element iteration order of the original set.

`Set<T>.plusElement(element: T): Set<T>` {`return plus(element)`}

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@file:kotlin.jvm.JvmMultifileClass @file:kotlin.jvm.JvmName("StringsKt")

kotlin.text

NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt

<https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib>

`CharSequence.elementAt(index: Int): Char`

Returns a character at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this char sequence.

`CharSequence.elementAtOrElse(index: Int, defaultValue: (Int) -> Char): Char`

Returns a character at the given [index] or the result of calling the [defaultValue] function if the [index] is out of bounds of this char sequence.

`CharSequence.elementAtOrNull(index: Int): Char?`

Returns the first character matching the given [predicate], or null if no such character was found.

`CharSequence.find(predicate: (Char) -> Boolean): Char?`

Returns the last character matching the given [predicate], or null if no such character was found.

`CharSequence.findLast(predicate: (Char) -> Boolean): Char?`

Returns first character.

`CharSequence.first(): Char`

if

```

(isEmpty())\n    throw NoSuchElementException("Char sequence is empty.")\n    return this[0]\n}\n\n/**\n * Returns the first character matching the given [predicate].\n * @throws [NoSuchElementException] if no such\n character is found.\n */\npublic inline fun CharSequence.first(predicate: (Char) -> Boolean): Char {\n    for (element\n in this) if (predicate(element)) return element\n    throw NoSuchElementException("Char sequence contains no\n character matching the predicate.")\n}\n\n/**\n * Returns the first character, or `null` if the char sequence is\n empty.\n */\npublic fun CharSequence.firstOrNull(): Char? {\n    return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first character matching the given [predicate], or `null` if character was not found.\n */\npublic inline fun\n CharSequence.firstOrNull(predicate: (Char) -> Boolean): Char? {\n    for (element in this) if (predicate(element))\n return element\n    return null\n}\n\n/**\n * Returns a character at the given [index] or the result of calling the\n [defaultValue] function if the [index] is out of bounds of this char sequence.\n */\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.getOrElse(index: Int, defaultValue: (Int) -> Char):\n Char {\n    return if (index >= 0 && index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns a\n character at the given [index] or `null` if the [index] is out of bounds of this char sequence.\n */\npublic fun\n CharSequence.getOrElseOrNull(index: Int): Char? {\n    return if (index >= 0 && index <= lastIndex) get(index) else\n null\n}\n\n/**\n * Returns index of the first character matching the given [predicate], or -1 if the char sequence does\n not contain such character.\n */\npublic inline fun CharSequence.indexOfFirst(predicate: (Char) -> Boolean): Int {\n    for (index in indices) {\n        if (predicate(this[index])) {\n            return index\n        }\n    }\n    return -\n 1\n}\n\n/**\n * Returns index of the last character matching the given [predicate], or -1 if the char sequence does\n not contain such character.\n */\npublic inline fun CharSequence.indexOfLast(predicate: (Char) -> Boolean): Int {\n    for (index in indices.reversed()) {\n        if (predicate(this[index])) {\n            return index\n        }\n    }\n    return -\n 1\n}\n\n/**\n * Returns the last character.\n * @throws [NoSuchElementException] if the char sequence is empty.\n */\npublic fun CharSequence.last(): Char {\n    if (isEmpty())\n        throw NoSuchElementException("Char\n sequence is empty.")\n    return this[lastIndex]\n}\n\n/**\n * Returns the last character matching the given\n [predicate].\n * @throws [NoSuchElementException] if no such character is found.\n */\npublic inline fun\n CharSequence.last(predicate: (Char) -> Boolean): Char {\n    for (index in this.indices.reversed()) {\n        val\n element = this[index]\n        if (predicate(element)) return element\n    }\n    throw NoSuchElementException("Char\n sequence contains no character matching the predicate.")\n}\n\n/**\n * Returns the last character, or `null` if the\n char sequence is empty.\n */\npublic fun CharSequence.lastOrNull(): Char? {\n    return if (isEmpty()) null else\n this[length - 1]\n}\n\n/**\n * Returns the last character matching the given [predicate], or `null` if no such character\n was found.\n */\npublic inline fun CharSequence.lastOrNull(predicate: (Char) -> Boolean): Char? {\n    for (index in\n this.indices.reversed()) {\n        val element = this[index]\n        if (predicate(element)) return element\n    }\n    return null\n}\n\n/**\n * Returns a random character from this char sequence.\n * @throws\n NoSuchElementException if this char sequence is empty.\n */\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.random(): Char {\n    return random(Random)\n}\n\n/**\n * Returns a random character from this char sequence using the specified\n source of randomness.\n * @throws NoSuchElementException if this char sequence is empty.\n */\n@SinceKotlin("1.3")\npublic fun CharSequence.random(random: Random): Char {\n    if (isEmpty())\n        throw NoSuchElementException("Char sequence is empty.")\n    return get(random.nextInt(length))\n}\n\n/**\n * Returns the single character, or throws an exception if the char sequence is empty or has more than one character.\n */\npublic fun CharSequence.single(): Char {\n    return when (length) {\n        0 -> throw\n NoSuchElementException("Char sequence is empty.")\n        1 -> this[0]\n        else -> throw\n IllegalArgumentException("Char sequence has more than one element.")\n    }\n}\n\n/**\n * Returns the single\n character matching the given [predicate], or throws exception if there is no or more than one matching character.\n */\npublic inline fun CharSequence.single(predicate: (Char) -> Boolean): Char {\n    var single: Char? = null\n    var\n found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if (found) throw\n IllegalArgumentException("Char sequence contains more than one matching element.")\n            single =\n element\n            found = true\n        }\n    }\n    if (!found) throw NoSuchElementException("Char sequence\n contains no character matching the predicate.")\n    @SuppressWarnings("UNCHECKED_CAST")\n    return single as

```

```

Char\n}\n\n/**\n * Returns single character, or `null` if the char sequence is empty or has more than one character.\n
*\n\npublic fun CharSequence.singleOrNull(): Char? {\n    return if (length == 1) this[0] else null\n}\n\n/**\n *
Returns the single character matching the given [predicate], or `null` if character was not found or more than one
character was found.\n
*\n\npublic inline fun CharSequence.singleOrNull(predicate: (Char) -> Boolean): Char? {\n
var single: Char? = null\n    var found = false\n    for (element in this) {\n        if (predicate(element)) {\n            if
(found) return null\n                single = element\n                found = true\n            }\n        }\n    } if (!found) return null\n    return
single\n}\n\n/**\n * Returns a subsequence of this char sequence with the first [n] characters removed.\n
*\n
*\n * @throws IllegalArgumentException if [n] is negative.\n
*\n
*\n * @sample samples.text.Strings.drop\n
*\n\npublic fun
CharSequence.drop(n: Int): CharSequence {\n    require(n >= 0) { \"Requested character count $n is less than zero.\"
}\n    return subSequence(n.coerceAtMost(length), length)\n}\n\n/**\n * Returns a string with the first [n] characters
removed.\n
*\n
*\n * @throws IllegalArgumentException if [n] is negative.\n
*\n
*\n * @sample
samples.text.Strings.drop\n
*\n\npublic fun String.drop(n: Int): String {\n    require(n >= 0) { \"Requested character
count $n is less than zero.\" }\n    return substring(n.coerceAtMost(length))\n}\n\n/**\n * Returns a subsequence of
this char sequence with the last [n] characters removed.\n
*\n
*\n * @throws IllegalArgumentException if [n] is
negative.\n
*\n
*\n * @sample samples.text.Strings.drop\n
*\n\npublic fun CharSequence.dropLast(n: Int):
CharSequence {\n    require(n >= 0) { \"Requested character count $n is less than zero.\" }\n    return take((length -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a string with the last [n] characters removed.\n
*\n
*\n * @throws
IllegalArgumentException if [n] is negative.\n
*\n
*\n * @sample samples.text.Strings.drop\n
*\n\npublic fun
String.dropLast(n: Int): String {\n    require(n >= 0) { \"Requested character count $n is less than zero.\" }\n    return
take((length - n).coerceAtLeast(0))\n}\n\n/**\n * Returns a subsequence of this char sequence containing all
characters except last characters that satisfy the given [predicate].\n
*\n
*\n * @sample samples.text.Strings.drop\n
*\n\npublic inline fun CharSequence.dropLastWhile(predicate: (Char) -> Boolean): CharSequence {\n    for (index in
lastIndex downTo 0)\n        if (!predicate(this[index]))\n            return subSequence(0, index + 1)\n    return
\"\"\n}\n\n/**\n * Returns a string containing all characters except last characters that satisfy the given [predicate].\n
*\n
*\n * @sample samples.text.Strings.drop\n
*\n\npublic inline fun String.dropLastWhile(predicate: (Char) ->
Boolean): String {\n    for (index in lastIndex downTo 0)\n        if (!predicate(this[index]))\n            return
substring(0, index + 1)\n    return \"\"\n}\n\n/**\n * Returns a subsequence of this char sequence containing all
characters except first characters that satisfy the given [predicate].\n
*\n
*\n * @sample samples.text.Strings.drop\n
*\n\npublic inline fun CharSequence.dropWhile(predicate: (Char) -> Boolean): CharSequence {\n    for (index in
this.indices)\n        if (!predicate(this[index]))\n            return subSequence(index, length)\n    return \"\"\n}\n\n/**\n * Returns a string containing all characters except first characters that satisfy the given [predicate].\n
*\n
*\n * @sample samples.text.Strings.drop\n
*\n\npublic inline fun String.dropWhile(predicate: (Char) -> Boolean): String
{\n    for (index in this.indices)\n        if (!predicate(this[index]))\n            return substring(index)\n    return
\"\"\n}\n\n/**\n * Returns a char sequence containing only those characters from the original char sequence that
match the given [predicate].\n
*\n\npublic inline fun CharSequence.filter(predicate: (Char) -> Boolean):
CharSequence {\n    return filterTo(StringBuilder(), predicate)\n}\n\n/**\n * Returns a string containing only those
characters from the original string that match the given [predicate].\n
*\n\npublic inline fun String.filter(predicate:
(Char) -> Boolean): String {\n    return filterTo(StringBuilder(), predicate).toString()\n}\n\n/**\n * Returns a char
sequence containing only those characters from the original char sequence that match the given [predicate].\n
*\n
*\n * @param [predicate] function that takes the index of a character and the character itself\n
*\n * and returns the result of predicate evaluation on the character.\n
*\n\npublic inline fun CharSequence.filterIndexed(predicate: (index: Int,
Char) -> Boolean): CharSequence {\n    return filterIndexedTo(StringBuilder(), predicate)\n}\n\n/**\n * Returns a
string containing only those characters from the original string that match the given [predicate].\n
*\n
*\n * @param
[predicate] function that takes the index of a character and the character itself\n
*\n * and returns the result of predicate evaluation on the character.\n
*\n\npublic inline fun String.filterIndexed(predicate: (index: Int, Char) -> Boolean):
String {\n    return filterIndexedTo(StringBuilder(), predicate).toString()\n}\n\n/**\n * Appends all characters
matching the given [predicate] to the given [destination].\n
*\n
*\n * @param [predicate] function that takes the index of a
character and the character itself\n
*\n * and returns the result of predicate evaluation on the character.\n
*\n\npublic

```

```

inline fun <C : Appendable> CharSequence.filterIndexedTo(destination: C, predicate: (index: Int, Char) -> Boolean): C {
    for (index, element) in this {
        if (predicate(index, element))
            destination.append(element)
    }
    return destination
}

* Returns a char sequence containing only those characters from the original char sequence that do not match the given [predicate].

public inline fun CharSequence.filterNot(predicate: (Char) -> Boolean): CharSequence {
    return filterNotTo(StringBuilder(), predicate)
}

* Returns a string containing only those characters from the original string that do not match the given [predicate].

public inline fun String.filterNot(predicate: (Char) -> Boolean): String {
    return filterNotTo(StringBuilder(), predicate).toString()
}

* Appends all characters not matching the given [predicate] to the given [destination].

public inline fun <C : Appendable> CharSequence.filterNotTo(destination: C, predicate: (Char) -> Boolean): C {
    for (element in this)
        if (!predicate(element))
            destination.append(element)
    return destination
}

* Appends all characters matching the given [predicate] to the given [destination].

public inline fun <C : Appendable> CharSequence.filterTo(destination: C, predicate: (Char) -> Boolean): C {
    for (index in 0 until length) {
        val element = get(index)
        if (predicate(element))
            destination.append(element)
    }
    return destination
}

* Returns a char sequence containing characters of the original char sequence at the specified range of [indices].

public fun CharSequence.slice(indices: IntRange): CharSequence {
    if (indices.isEmpty())
        return ""
    return subSequence(indices)
}

* Returns a string containing characters of the original string at the specified range of [indices].

public fun String.slice(indices: IntRange): String {
    if (indices.isEmpty())
        return ""
    return substring(indices)
}

* Returns a char sequence containing characters of the original char sequence at specified [indices].

public fun CharSequence.slice(indices: Iterable<Int>): CharSequence {
    val size = indices.collectionSizeOrDefault(10)
    if (size == 0)
        return ""
    val result = StringBuilder(size)
    for (i in indices)
        result.append(get(i))
    return result
}

* Returns a string containing characters of the original string at specified [indices].

public inline fun String.slice(indices: Iterable<Int>): String {
    return (this as CharSequence).slice(indices).toString()
}

* Returns a subsequence of this char sequence containing the first [n] characters from this char sequence, or the entire char sequence if this char sequence is shorter.

* @throws IllegalArgumentException if [n] is negative.

* @sample samples.text.Strings.take

public fun CharSequence.take(n: Int): CharSequence {
    require(n >= 0) { "Requested character count $n is less than zero." }
    return subSequence(0, n.coerceAtMost(length))
}

* Returns a string containing the first [n] characters from this string, or the entire string if this string is shorter.

* @throws IllegalArgumentException if [n] is negative.

* @sample samples.text.Strings.take

public fun String.take(n: Int): String {
    require(n >= 0) { "Requested character count $n is less than zero." }
    return substring(0, n.coerceAtMost(length))
}

* Returns a subsequence of this char sequence containing the last [n] characters from this char sequence, or the entire char sequence if this char sequence is shorter.

* @throws IllegalArgumentException if [n] is negative.

* @sample samples.text.Strings.take

public fun CharSequence.takeLast(n: Int): CharSequence {
    require(n >= 0) { "Requested character count $n is less than zero." }
    val length = length
    return subSequence(length - n.coerceAtMost(length), length)
}

* Returns a string containing the last [n] characters from this string, or the entire string if this string is shorter.

* @throws IllegalArgumentException if [n] is negative.

* @sample samples.text.Strings.take

public fun String.takeLast(n: Int): String {
    require(n >= 0) { "Requested character count $n is less than zero." }
    val length = length
    return substring(length - n.coerceAtMost(length))
}

* Returns a subsequence of this char sequence containing last characters that satisfy the given [predicate].

* @sample samples.text.Strings.take

public inline fun CharSequence.takeLastWhile(predicate: (Char) -> Boolean): CharSequence {
    for (index in lastIndex downTo 0) {
        if (!predicate(this[index]))
            return subSequence(index + 1, length)
    }
    return subSequence(0, length)
}

* Returns a string containing last characters that satisfy the given [predicate].

* @sample samples.text.Strings.take

public inline fun String.takeLastWhile(predicate: (Char) -> Boolean): String {
    for (index in lastIndex downTo 0) {
        if (!predicate(this[index]))
            return substring(index + 1)
    }
    return this
}

* Returns

```

a subsequence of this char sequence containing the first characters that satisfy the given [predicate].\n * \n *

```
@sample samples.text.Strings.take\n */\npublic inline fun CharSequence.takeWhile(predicate: (Char) -> Boolean): CharSequence {\n    for (index in 0 until length)\n        if (!predicate(get(index))) {\n            return subSequence(0, index)\n        }\n    return subSequence(0, length)\n}\n\n/n/**\n * Returns a string containing the first characters that satisfy the given [predicate].\n * \n * @sample samples.text.Strings.take\n */\npublic inline fun String.takeWhile(predicate: (Char) -> Boolean): String {\n    for (index in 0 until length)\n        if (!predicate(get(index))) {\n            return substring(0, index)\n        }\n    return this\n}\n\n/n/**\n * Returns a char sequence with characters in reversed order.\n */\npublic fun CharSequence.reversed(): CharSequence {\n    return StringBuilder(this).reverse()\n}\n\n/n/**\n * Returns a string with characters in reversed order.\n */\n@kotlin.internal.InlineOnly\npublic inline fun String.reversed(): String {\n    return (this as CharSequence).reversed().toString()\n}\n\n/n/**\n * Returns a [Map] containing key-value pairs provided by [transform] function\n * applied to characters of the given char sequence.\n * \n * If any of two pairs would have the same key the last one gets added to the map.\n * \n * The returned map preserves the entry iteration order of the original char sequence.\n */\npublic inline fun <K, V> CharSequence.associate(transform: (Char) -> Pair<K, V>): Map<K, V> {\n    val capacity = mapCapacity(length).coerceAtLeast(16)\n    return associateTo(LinkedHashMap<K, V>(capacity), transform)\n}\n\n/n/**\n * Returns a [Map] containing the characters from the given char sequence indexed by the key\n * returned from [keySelector] function applied to each character.\n * \n * If any two characters would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration order of the original char sequence.\n */\npublic inline fun <K> CharSequence.associateBy(keySelector: (Char) -> K): Map<K, Char> {\n    val capacity = mapCapacity(length).coerceAtLeast(16)\n    return associateByTo(LinkedHashMap<K, Char>(capacity), keySelector)\n}\n\n/n/**\n * Returns a [Map] containing the values provided by [valueTransform] and indexed by [keySelector] functions applied to characters of the given char sequence.\n * \n * If any two characters would have the same key returned by [keySelector] the last one gets added to the map.\n * \n * The returned map preserves the entry iteration order of the original char sequence.\n */\npublic inline fun <K, V> CharSequence.associateBy(keySelector: (Char) -> K, valueTransform: (Char) -> V): Map<K, V> {\n    val capacity = mapCapacity(length).coerceAtLeast(16)\n    return associateByTo(LinkedHashMap<K, V>(capacity), keySelector, valueTransform)\n}\n\n/n/**\n * Populates and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector] function applied to each character of the given char sequence\n * and value is the character itself.\n * \n * If any two characters would have the same key returned by [keySelector] the last one gets added to the map.\n */\npublic inline fun <K, M : MutableMap<in K, in Char>> CharSequence.associateByTo(destination: M, keySelector: (Char) -> K): M {\n    for (element in this) {\n        destination.put(keySelector(element), element)\n    }\n    return destination\n}\n\n/n/**\n * Populates and returns the [destination] mutable map with key-value pairs,\n * where key is provided by the [keySelector] function and\n * and value is provided by the [valueTransform] function applied to characters of the given char sequence.\n * \n * If any two characters would have the same key returned by [keySelector] the last one gets added to the map.\n */\npublic inline fun <K, V, M : MutableMap<in K, in V>> CharSequence.associateByTo(destination: M, keySelector: (Char) -> K, valueTransform: (Char) -> V): M {\n    for (element in this) {\n        destination.put(keySelector(element), valueTransform(element))\n    }\n    return destination\n}\n\n/n/**\n * Populates and returns the [destination] mutable map with key-value pairs\n * provided by [transform] function applied to each character of the given char sequence.\n * \n * If any of two pairs would have the same key the last one gets added to the map.\n */\npublic inline fun <K, V, M : MutableMap<in K, in V>> CharSequence.associateTo(destination: M, transform: (Char) -> Pair<K, V>): M {\n    for (element in this) {\n        destination += transform(element)\n    }\n    return destination\n}\n\n/n/**\n * Returns a [Map] where keys are characters from the given char sequence and values are\n * produced by the [valueSelector] function applied to each character.\n * \n * If any two characters are equal, the last one gets added to the map.\n * \n * The returned map preserves the entry iteration order of the original char sequence.\n * \n * @sample samples.text.Strings.associateWith\n */\n@SinceKotlin("1.3")\npublic inline fun <V> CharSequence.associateWith(valueSelector: (Char) -> V): Map<Char, V> {\n    val result = LinkedHashMap<Char,
```

```

V>(mapCapacity(length).coerceAtLeast(16))\n  return associateWithTo(result, valueSelector)\n}\n\n/**\n *
Populates and returns the [destination] mutable map with key-value pairs for each character of the given char
sequence,\n * where key is the character itself and value is provided by the [valueSelector] function applied to that
key.\n * \n * If any two characters are equal, the last one overwrites the former value in the map.\n
*\n\n@SinceKotlin("1.3")\npublic inline fun <V, M : MutableMap<in Char, in V>>
CharSequence.associateWithTo(destination: M, valueSelector: (Char) -> V): M {\n  for (element in this) {\n
destination.put(element, valueSelector(element))\n  }\n  return destination\n}\n\n/**\n * Appends all characters to
the given [destination] collection.\n *\n\npublic fun <C : MutableCollection<in Char>>
CharSequence.toCollection(destination: C): C {\n  for (item in this) {\n    destination.add(item)\n  }\n  return
destination\n}\n\n/**\n * Returns a [HashSet] of all characters.\n *\n\npublic fun CharSequence.toHashSet():
HashSet<Char> {\n  return toCollection(HashSet<Char>(mapCapacity(length)))\n}\n\n/**\n * Returns a [List]
containing all characters.\n *\n\npublic fun CharSequence.toList(): List<Char> {\n  return when (length) {\n    0 -
> emptyList()\n    1 -> listOf(this[0])\n    else -> this.toMutableList()\n  }\n}\n\n/**\n * Returns a
[MutableList] filled with all characters of this char sequence.\n *\n\npublic fun CharSequence.toMutableList():
MutableList<Char> {\n  return toCollection(ArrayList<Char>(length))\n}\n\n/**\n * Returns a [Set] of all
characters.\n * \n * The returned set preserves the element iteration order of the original char sequence.\n *\n\npublic
fun CharSequence.toSet(): Set<Char> {\n  return when (length) {\n    0 -> emptySet()\n    1 -> setOf(this[0])\n
else -> toCollection(LinkedHashSet<Char>(mapCapacity(length)))\n  }\n}\n\n/**\n * Returns a single list of all
elements yielded from results of [transform] function being invoked on each character of original char sequence.\n
*\n\npublic inline fun <R> CharSequence.flatMap(transform: (Char) -> Iterable<R>): List<R> {\n  return
flatMapTo(ArrayList<R>(), transform)\n}\n\n/**\n * Appends all elements yielded from results of [transform]
function being invoked on each character of original char sequence, to the given [destination].\n *\n\npublic inline
fun <R, C : MutableCollection<in R>> CharSequence.flatMapTo(destination: C, transform: (Char) -> Iterable<R>):
C {\n  for (element in this) {\n    val list = transform(element)\n    destination.addAll(list)\n  }\n  return
destination\n}\n\n/**\n * Groups characters of the original char sequence by the key returned by the given
[keySelector] function\n * applied to each character and returns a map where each group key is associated with a list
of corresponding characters.\n * \n * The returned map preserves the entry iteration order of the keys produced from
the original char sequence.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n *\n\npublic
inline fun <K> CharSequence.groupBy(keySelector: (Char) -> K): Map<K, List<Char>> {\n  return
groupByTo(LinkedHashMap<K, MutableList<Char>>(), keySelector)\n}\n\n/**\n * Groups values returned by the
[valueTransform] function applied to each character of the original char sequence\n * by the key returned by the
given [keySelector] function applied to the character\n * and returns a map where each group key is associated with
a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys produced
from the original char sequence.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeysAndValues\n *\n\npublic inline fun <K, V>
CharSequence.groupBy(keySelector: (Char) -> K, valueTransform: (Char) -> V): Map<K, List<V>> {\n  return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups
characters of the original char sequence by the key returned by the given [keySelector] function\n * applied to each
character and puts to the [destination] map each group key associated with a list of corresponding characters.\n * \n
*\n * @return The [destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n
*\n\npublic inline fun <K, M : MutableMap<in K, MutableList<Char>>> CharSequence.groupByTo(destination: M,
keySelector: (Char) -> K): M {\n  for (element in this) {\n    val key = keySelector(element)\n    val list =
destination.getOrPut(key) { ArrayList<Char>() }\n    list.add(element)\n  }\n  return destination\n}\n\n/**\n *
Groups values returned by the [valueTransform] function applied to each character of the original char sequence\n *
by the key returned by the given [keySelector] function applied to the character\n * and puts to the [destination] map
each group key associated with a list of corresponding values.\n * \n * @return The [destination] map.\n * \n *
@sample samples.collections.Collections.Transformations.groupByKeysAndValues\n *\n\npublic inline fun <K, V,
M : MutableMap<in K, MutableList<V>>> CharSequence.groupByTo(destination: M, keySelector: (Char) -> K,

```



```

valueTransform: (Char) -> V): M { \n  for (element in this) { \n    val key = keySelector(element)\n    val list =
destination.getOrPut(key) { ArrayList<V>() }\n    list.add(valueTransform(element))\n  }\n  return
destination\n}\n\n/**\n * Creates a [Grouping] source from a char sequence to be used later with one of group-and-
fold operations\n * using the specified [keySelector] function to extract a key from each character.\n * \n * @sample
samples.collections.Grouping.groupingByEachCount\n * ^\n @SinceKotlin("1.1")\npublic inline fun <K>
CharSequence.groupingBy(crossinline keySelector: (Char) -> K): Grouping<Char, K> { \n  return object :
Grouping<Char, K> { \n    override fun sourceIterator(): Iterator<Char> = this@groupingBy.iterator()\n
override fun keyOf(element: Char): K = keySelector(element)\n  } }\n\n/**\n * Returns a list containing the
results of applying the given [transform] function\n * to each character in the original char sequence.\n * \n *
@param [transform] function that takes the index of a character and the character itself\n * and returns the result of
the transform applied to the character.\n * ^\npublic inline fun <R> CharSequence.map(transform: (Char) -> R):
List<R> { \n  return mapTo(ArrayList<R>(length), transform)\n}\n\n/**\n * Returns a list containing the results of
applying the given [transform] function\n * to each character and its index in the original char sequence.\n *
@param [transform] function that takes the index of a character and the character itself\n * and returns the result of
the transform applied to the character.\n * ^\npublic inline fun <R> CharSequence.mapIndexed(transform: (index:
Int, Char) -> R): List<R> { \n  return mapIndexedTo(ArrayList<R>(length), transform)\n}\n\n/**\n * Returns a list
containing only the non-null results of applying the given [transform] function\n * to each character and its index in
the original char sequence.\n * @param [transform] function that takes the index of a character and the character
itself\n * and returns the result of the transform applied to the character.\n * ^\npublic inline fun <R : Any>
CharSequence.mapIndexedNotNull(transform: (index: Int, Char) -> R?): List<R> { \n  return
mapIndexedNotNullTo(ArrayList<R>(), transform)\n}\n\n/**\n * Applies the given [transform] function to each
character and its index in the original char sequence\n * and appends only the non-null results to the given
[destination].\n * @param [transform] function that takes the index of a character and the character itself\n * and
returns the result of the transform applied to the character.\n * ^\npublic inline fun <R : Any, C :
MutableCollection<in R>> CharSequence.mapIndexedNotNullTo(destination: C, transform: (index: Int, Char) ->
R?): C { \n  forEachIndexed { index, element -> transform(index, element)?.let { destination.add(it) } }\n  return
destination\n}\n\n/**\n * Applies the given [transform] function to each character and its index in the original char
sequence\n * and appends the results to the given [destination].\n * @param [transform] function that takes the
index of a character and the character itself\n * and returns the result of the transform applied to the character.\n
*\n * ^\npublic inline fun <R, C : MutableCollection<in R>> CharSequence.mapIndexedTo(destination: C, transform:
(index: Int, Char) -> R): C { \n  var index = 0\n  for (item in this)\n    destination.add(transform(index++,
item))\n  return destination\n}\n\n/**\n * Returns a list containing only the non-null results of applying the given
[transform] function\n * to each character in the original char sequence.\n * ^\npublic inline fun <R : Any>
CharSequence.mapNotNull(transform: (Char) -> R?): List<R> { \n  return mapNotNullTo(ArrayList<R>(),
transform)\n}\n\n/**\n * Applies the given [transform] function to each character in the original char sequence\n *
and appends only the non-null results to the given [destination].\n * ^\npublic inline fun <R : Any, C :
MutableCollection<in R>> CharSequence.mapNotNullTo(destination: C, transform: (Char) -> R?): C { \n  forEach
{ element -> transform(element)?.let { destination.add(it) } }\n  return destination\n}\n\n/**\n * Applies the given
[transform] function to each character of the original char sequence\n * and appends the results to the given
[destination].\n * ^\npublic inline fun <R, C : MutableCollection<in R>> CharSequence.mapTo(destination: C,
transform: (Char) -> R): C { \n  for (item in this)\n    destination.add(transform(item))\n  return
destination\n}\n\n/**\n * Returns a lazy [Iterable] that wraps each character of the original char sequence\n * into an
[IndexValue] containing the index of that character and the character itself.\n * ^\npublic fun
CharSequence.withIndex(): Iterable<IndexedValue<Char>> { \n  return IndexingIterable { iterator() }\n}\n\n/**\n *
Returns `true` if all characters match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.all\n * ^\npublic inline fun CharSequence.all(predicate: (Char) ->
Boolean): Boolean { \n  for (element in this) if (!predicate(element)) return false\n  return true\n}\n\n/**\n *
Returns `true` if char sequence has at least one character.\n * \n * @sample
samples.collections.Collections.Aggregates.any\n * ^\npublic fun CharSequence.any(): Boolean { \n  return

```

```

isEmpty()\n\n/**\n * Returns `true` if at least one character matches the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.anyWithPredicate\n */\npublic inline fun CharSequence.any(predicate:
(Char) -> Boolean): Boolean {\n    for (element in this) if (predicate(element)) return true\n    return
false\n}\n\n/**\n * Returns the length of this char sequence.\n */\n@kotlin.internal.InlineOnly\npublic inline fun
CharSequence.count(): Int {\n    return length\n}\n\n/**\n * Returns the number of characters matching the given
[predicate].\n */\npublic inline fun CharSequence.count(predicate: (Char) -> Boolean): Int {\n    var count = 0\n
for (element in this) if (predicate(element)) ++count\n    return count\n}\n\n/**\n * Accumulates value starting with
[initial] value and applying [operation] from left to right to current accumulator value and each character.\n
*/\npublic inline fun <R> CharSequence.fold(initial: R, operation: (acc: R, Char) -> R): R {\n    var accumulator =
initial\n    for (element in this) accumulator = operation(accumulator, element)\n    return accumulator\n}\n\n/**\n
* Accumulates value starting with [initial] value and applying [operation] from left to right\n * to current accumulator
value and each character with its index in the original char sequence.\n * @param [operation] function that takes the
index of a character, current accumulator value\n * and the character itself, and calculates the next accumulator
value.\n */\npublic inline fun <R> CharSequence.foldIndexed(initial: R, operation: (index: Int, acc: R, Char) -> R):
R {\n    var index = 0\n    var accumulator = initial\n    for (element in this) accumulator = operation(index++,
accumulator, element)\n    return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and
applying [operation] from right to left to each character and current accumulator value.\n */\npublic inline fun <R>
CharSequence.foldRight(initial: R, operation: (Char, acc: R) -> R): R {\n    var index = lastIndex\n    var
accumulator = initial\n    while (index >= 0) {\n        accumulator = operation(get(index--), accumulator)\n    }\n
return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right
to left\n * to each character with its index in the original char sequence and current accumulator value.\n * @param
[operation] function that takes the index of a character, the character itself\n * and current accumulator value, and
calculates the next accumulator value.\n */\npublic inline fun <R> CharSequence.foldRightIndexed(initial: R,
operation: (index: Int, Char, acc: R) -> R): R {\n    var index = lastIndex\n    var accumulator = initial\n    while
(index >= 0) {\n        accumulator = operation(index, get(index), accumulator)\n        --index\n    }\n    return
accumulator\n}\n\n/**\n * Performs the given [action] on each character.\n */\npublic inline fun
CharSequence.forEach(action: (Char) -> Unit): Unit {\n    for (element in this) action(element)\n}\n\n/**\n
* Performs the given [action] on each character, providing sequential index with the character.\n * @param [action]
function that takes the index of a character and the character itself\n * and performs the desired action on the
character.\n */\npublic inline fun CharSequence.forEachIndexed(action: (index: Int, Char) -> Unit): Unit {\n    var
index = 0\n    for (item in this) action(index++, item)\n}\n\n/**\n * Returns the largest character or `null` if there are
no characters.\n */\npublic fun CharSequence.max(): Char? {\n    if (isEmpty()) return null\n    var max = this[0]\n
for (i in 1..lastIndex) {\n        val e = this[i]\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n
* Returns the first character yielding the largest value of the given function or `null` if there are no characters.\n
*/\n\n * @sample samples.collections.Collections.Aggregates.maxBy\n */\npublic inline fun <R : Comparable<R>>
CharSequence.maxBy(selector: (Char) -> R): Char? {\n    if (isEmpty()) return null\n    var maxElem = this[0]\n
val lastIndex = this.lastIndex\n    if (lastIndex == 0) return maxElem\n    var maxValue = selector(maxElem)\n    for
(i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (maxValue < v) {\n           
maxElem = e\n            maxValue = v\n        }\n    }\n    return maxElem\n}\n\n/**\n * Returns the first character
having the largest value according to the provided [comparator] or `null` if there are no characters.\n */\npublic fun
CharSequence.maxWith(comparator: Comparator<in Char>): Char? {\n    if (isEmpty()) return null\n    var max =
this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (comparator.compare(max, e) < 0) max = e\n    }\n
return max\n}\n\n/**\n * Returns the smallest character or `null` if there are no characters.\n */\npublic fun
CharSequence.min(): Char? {\n    if (isEmpty()) return null\n    var min = this[0]\n    for (i in 1..lastIndex) {\n
val e = this[i]\n        if (min > e) min = e\n    }\n    return min\n}\n\n/**\n * Returns the first character yielding
the smallest value of the given function or `null` if there are no characters.\n */\n\n * @sample
samples.collections.Collections.Aggregates.minBy\n */\npublic inline fun <R : Comparable<R>>
CharSequence.minBy(selector: (Char) -> R): Char? {\n    if (isEmpty()) return null\n    var minElem = this[0]\n    val

```

```

lastIndex = this.lastIndex\n  if (lastIndex == 0) return minElem\n  var minValue = selector(minElem)\n  for (i in
1..lastIndex) {\n    val e = this[i]\n    val v = selector(e)\n    if (minValue > v) {\n      minElem = e\n
minValue = v\n    }\n  }\n  return minElem\n}\n\n/**\n * Returns the first character having the smallest value
according to the provided [comparator] or `null` if there are no characters.\n */\npublic fun
CharSequence.minWith(comparator: Comparator<in Char>): Char? {\n  if (isEmpty()) return null\n  var min =
this[0]\n  for (i in 1..lastIndex) {\n    val e = this[i]\n    if (comparator.compare(min, e) > 0) min = e\n  }\n
return min\n}\n\n/**\n * Returns `true` if the char sequence has no characters.\n */\n @sample
samples.collections.Collections.Aggregates.none\n */\npublic fun CharSequence.none(): Boolean {\n  return
isEmpty()\n}\n\n/**\n * Returns `true` if no characters match the given [predicate].\n */\n @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n */\npublic inline fun
CharSequence.none(predicate: (Char) -> Boolean): Boolean {\n  for (element in this) if (predicate(element)) return
false\n  return true\n}\n\n/**\n * Performs the given [action] on each character and returns the char sequence itself
afterwards.\n */\n @SinceKotlin("1.1")\npublic inline fun <S : CharSequence> S.onEach(action: (Char) -> Unit): S
{\n  return apply { for (element in this) action(element) }\n}\n\n/**\n * Accumulates value starting with the first
character and applying [operation] from left to right to current accumulator value and each character.\n */\npublic
inline fun CharSequence.reduce(operation: (acc: Char, Char) -> Char): Char {\n  if (isEmpty())\n    throw
UnsupportedOperationException("Empty char sequence can't be reduced.")\n  var accumulator = this[0]\n  for
(index in 1..lastIndex) {\n    accumulator = operation(accumulator, this[index])\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with the first character and applying [operation] from left to
right\n * to current accumulator value and each character with its index in the original char sequence.\n */\n @param
[operation] function that takes the index of a character, current accumulator value\n * and the character itself and
calculates the next accumulator value.\n */\npublic inline fun CharSequence.reduceIndexed(operation: (index: Int,
acc: Char, Char) -> Char): Char {\n  if (isEmpty())\n    throw UnsupportedOperationException("Empty char
sequence can't be reduced.")\n  var accumulator = this[0]\n  for (index in 1..lastIndex) {\n    accumulator =
operation(index, accumulator, this[index])\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting
with last character and applying [operation] from right to left to each character and current accumulator value.\n */\n
public inline fun CharSequence.reduceRight(operation: (Char, acc: Char) -> Char): Char {\n  var index =
lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty char sequence can't be reduced.")\n  var
accumulator = get(index--)\n  while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n
}\n  return accumulator\n}\n\n/**\n * Accumulates value starting with last character and applying [operation] from
right to left\n * to each character with its index in the original char sequence and current accumulator value.\n */\n
 @param [operation] function that takes the index of a character, the character itself\n * and current accumulator
value, and calculates the next accumulator value.\n */\npublic inline fun
CharSequence.reduceRightIndexed(operation: (index: Int, Char, acc: Char) -> Char): Char {\n  var index =
lastIndex\n  if (index < 0) throw UnsupportedOperationException("Empty char sequence can't be reduced.")\n  var
accumulator = get(index--)\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each character in the char sequence.\n */\npublic inline fun
CharSequence.sumBy(selector: (Char) -> Int): Int {\n  var sum: Int = 0\n  for (element in this) {\n    sum +=
selector(element)\n  }\n  return sum\n}\n\n/**\n * Returns the sum of all values produced by [selector] function
applied to each character in the char sequence.\n */\npublic inline fun CharSequence.sumByDouble(selector: (Char)
-> Double): Double {\n  var sum: Double = 0.0\n  for (element in this) {\n    sum += selector(element)\n  }\n
return sum\n}\n\n/**\n * Splits this char sequence into a list of strings each not exceeding the given [size].\n */\n @
sample samples.collections.Collections.Transformations.chunked\n */\n @param size the number
of elements to take in each string, must be positive and can be greater than the number of elements in this char
sequence.\n */\n @sample samples.collections.Collections.Transformations.chunked\n
 */\n @SinceKotlin("1.2")\npublic fun CharSequence.chunked(size: Int): List<String> {\n  return windowed(size,
size, partialWindows = true)\n}\n\n/**\n * Splits this char sequence into several char sequences each not exceeding

```

the given [size] and applies the given [transform] function to an each. Note that the char sequence passed to the [transform] function is ephemeral and is valid only inside that function. You should not store it or allow it to escape in some way, unless you made a snapshot of it. The last char sequence may have less characters than the given [size].

`@param size` the number of elements to take in each char sequence, must be positive and can be greater than the number of elements in this char sequence.

`@sample` samples.text.Strings.chunkedTransform

```

*Since Kotlin("1.2")
public fun <R> CharSequence.chunked(size: Int, transform: (CharSequence) -> R):
List<R> {
    return windowed(size, size, partialWindows = true, transform = transform)
}

```

Splits this char sequence into a sequence of strings each not exceeding the given [size]. The last string in the resulting sequence may have less characters than the given [size].

`@param size` the number of elements to take in each string, must be positive and can be greater than the number of elements in this char sequence.

`@sample` samples.collections.Collections.Transformations.chunked

```

*Since Kotlin("1.2")
public fun
CharSequence.chunkedSequence(size: Int): Sequence<String> {
    return chunkedSequence(size) { it.toString() }
}

```

Splits this char sequence into several char sequences each not exceeding the given [size] and applies the given [transform] function to an each. Note that the char sequence passed to the [transform] function is ephemeral and is valid only inside that function. You should not store it or allow it to escape in some way, unless you made a snapshot of it. The last char sequence may have less characters than the given [size].

`@param size` the number of elements to take in each char sequence, must be positive and can be greater than the number of elements in this char sequence.

`@sample` samples.text.Strings.chunkedTransformToSequence

```

*Since Kotlin("1.2")
public fun <R> CharSequence.chunkedSequence(size: Int, transform: (CharSequence) -
> R): Sequence<R> {
    return windowedSequence(size, size, partialWindows = true, transform =
transform)
}

```

Splits the original char sequence into pair of char sequences, where `*first*` char sequence contains characters for which [predicate] yielded `true`, while `*second*` char sequence contains characters for which [predicate] yielded `false`.

```

public inline fun CharSequence.partition(predicate: (Char) ->
Boolean): Pair<CharSequence, CharSequence> {
    val first = StringBuilder()
    val second = StringBuilder()
    for (element in this) {
        if (predicate(element)) {
            first.append(element)
        } else {
            second.append(element)
        }
    }
    return Pair(first, second)
}

```

Splits the original string into pair of strings, where `*first*` string contains characters for which [predicate] yielded `true`, while `*second*` string contains characters for which [predicate] yielded `false`.

```

public inline fun String.partition(predicate: (Char) ->
Boolean): Pair<String, String> {
    val first = StringBuilder()
    val second = StringBuilder()
    for (element in this) {
        if (predicate(element)) {
            first.append(element)
        } else {
            second.append(element)
        }
    }
    return Pair(first.toString(), second.toString())
}

```

Returns a list of snapshots of the window of the given [size] sliding along this char sequence with the given [step], where each snapshot is a string. Several last strings may have less characters than the given [size]. Both [size] and [step] must be positive and can be greater than the number of elements in this char sequence.

`@param size` the number of elements to take in each window

`@param step` the number of elements to move the window forward by on an each step, by default 1

`@param partialWindows` controls whether or not to keep partial windows in the end if any, by default `false` which means partial windows won't be preserved

`@sample` samples.collections.Sequences.Transformations.takeWindows

```

*Since Kotlin("1.2")
public fun
CharSequence.windowed(size: Int, step: Int = 1, partialWindows: Boolean = false): List<String> {
    return windowed(size, step, partialWindows) { it.toString() }
}

```

Returns a list of results of applying the given [transform] function to an each char sequence representing a view over the window of the given [size] sliding along this char sequence with the given [step]. Note that the char sequence passed to the [transform] function is ephemeral and is valid only inside that function. You should not store it or allow it to escape in some way, unless you made a snapshot of it. Several last char sequences may have less characters than the given [size]. Both [size] and [step] must be positive and can be greater than the number of elements in this char sequence.

`@param size` the number of elements to take in each window

`@param step` the number of

elements to move the window forward by on an each step, by default 1

- `@param partialWindows` controls whether or not to keep partial windows in the end if any.
- by default `false` which means partial windows won't be preserved
- `@sample samples.collections.Sequences.Transformations.averageWindows`

```

*\n@SinceKotlin("1.2")\npublic fun <R> CharSequence.windowed(size: Int, step: Int = 1, partialWindows: Boolean = false, transform: (CharSequence) -> R): List<R> {
    checkWindowSizeStep(size, step)
    val thisSize = this.length
    val resultCapacity = thisSize / step + if (thisSize % step == 0) 0 else 1
    val result = ArrayList<R>(resultCapacity)
    var index = 0
    while (index in 0 until thisSize) {
        val end = index + size
        val coercedEnd = if (end < 0 || end > thisSize) { if (partialWindows) thisSize else break } else end
        result.add(transform(subSequence(index, coercedEnd)))
        index += step
    }
    return result
}

```

Returns a sequence of snapshots of the window of the given [size] sliding along this char sequence with the given [step], where each snapshot is a string.

- Several last strings may have less characters than the given [size].
- Both [size] and [step] must be positive and can be greater than the number of elements in this char sequence.
- `@param size` the number of elements to take in each window
- `@param step` the number of elements to move the window forward by on an each step, by default 1
- `@param partialWindows` controls whether or not to keep partial windows in the end if any.
- by default `false` which means partial windows won't be preserved
- `@sample samples.collections.Sequences.Transformations.takeWindows`

```

*\n@SinceKotlin("1.2")\npublic fun CharSequence.windowedSequence(size: Int, step: Int = 1, partialWindows: Boolean = false): Sequence<String> {
    return windowedSequence(size, step, partialWindows) { it.toString() }
}

```

Returns a sequence of results of applying the given [transform] function to an each char sequence representing a view over the window of the given [size] sliding along this char sequence with the given [step].

- Note that the char sequence passed to the [transform] function is ephemeral and is valid only inside that function.
- You should not store it or allow it to escape in some way, unless you made a snapshot of it.
- Several last char sequences may have less characters than the given [size].
- Both [size] and [step] must be positive and can be greater than the number of elements in this char sequence.
- `@param size` the number of elements to take in each window
- `@param step` the number of elements to move the window forward by on an each step, by default 1
- `@param partialWindows` controls whether or not to keep partial windows in the end if any.
- by default `false` which means partial windows won't be preserved
- `@sample samples.collections.Sequences.Transformations.averageWindows`

```

*\n@SinceKotlin("1.2")\npublic fun <R> CharSequence.windowedSequence(size: Int, step: Int = 1, partialWindows: Boolean = false, transform: (CharSequence) -> R): Sequence<R> {
    checkWindowSizeStep(size, step)
    val windows = (if (partialWindows) indices else 0 until length - size + 1) step step
    return windows.asSequence().map { index ->
        val end = index + size
        val coercedEnd = if (end < 0 || end > length) length else end
        transform(subSequence(index, coercedEnd))
    }
}

```

Returns a list of pairs built from the characters of `this` and the [other] char sequences with the same index

- The returned list has length of the shortest char sequence.
- `@sample samples.text.Strings.zip`

```

*\npublic infix fun CharSequence.zip(other: CharSequence): List<Pair<Char, Char>> {
    return zip(other) { c1, c2 -> c1 to c2 }
}

```

Returns a list of values built from the characters of `this` and the [other] char sequences with the same index using the provided [transform] function applied to each pair of characters.

- The returned list has length of the shortest char sequence.
- `@sample samples.text.Strings.zipWithTransform`

```

*\npublic inline fun <V> CharSequence.zip(other: CharSequence, transform: (a: Char, b: Char) -> V): List<V> {
    val length = minOf(this.length, other.length)
    val list = ArrayList<V>(length)
    for (i in 0 until length) {
        list.add(transform(this[i], other[i]))
    }
    return list
}

```

Returns a list of pairs of each two adjacent characters in this char sequence.

- The returned list is empty if this char sequence contains less than two characters.
- `@sample samples.collections.Collections.Transformations.zipWithNext`

```

*\n@SinceKotlin("1.2")\npublic fun CharSequence.zipWithNext(): List<Pair<Char, Char>> {
    return zipWithNext { a, b -> a to b }
}

```

Returns a list containing the results of applying the given [transform] function to an each pair of two adjacent characters in this char sequence.

- The returned list is empty if this char sequence contains less than two characters.
- `@sample samples.collections.Collections.Transformations.zipWithNextToFindDeltas`

```

*\n@SinceKotlin("1.2")\npublic inline fun <R> CharSequence.zipWithNext(transform: (a: Char, b: Char) -> R):
List<R> {\n    val size = length - 1\n    if (size < 1) return emptyList()\n    val result = ArrayList<R>(size)\n    for
(index in 0 until size) {\n        result.add(transform(this[index], this[index + 1]))\n    }\n    return result\n}\n\n/>\n *
Creates an [Iterable] instance that wraps the original char sequence returning its characters when being iterated.\n
*\npublic fun CharSequence.asIterable(): Iterable<Char> {\n    if (this is String && isEmpty()) return emptyList()\n
return Iterable { this.iterator() }\n}\n\n/>\n * Creates a [Sequence] instance that wraps the original char sequence
returning its characters when being iterated.\n\n/>\npublic fun CharSequence.asSequence(): Sequence<Char> {\n    if
(this is String && isEmpty()) return emptySequence()\n    return Sequence { this.iterator() }\n}\n\n"/\n\n *
Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is
governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("StringsKt")\n\npackage
kotlin.text\nimport kotlin.contracts.contract\n\n/>\n * Returns a sub sequence of this char sequence having
leading and trailing characters matching the [predicate] removed.\n\n/>\npublic inline fun
CharSequence.trim(predicate: (Char) -> Boolean): CharSequence {\n    var startIndex = 0\n    var endIndex = length
- 1\n    var startFound = false\n\n    while (startIndex <= endIndex) {\n        val index = if (!startFound) startIndex
else endIndex\n        val match = predicate(this[index])\n\n        if (!startFound) {\n            if (!match)\n                startFound = true\n            else\n                startIndex += 1\n        } else {\n            if (!match)\n                break\n            else\n                endIndex -= 1\n        }\n    }\n    return subSequence(startIndex, endIndex + 1)\n}\n\n/>\n *
Returns a string having leading and trailing characters matching the [predicate] removed.\n\n/>\npublic inline fun
String.trim(predicate: (Char) -> Boolean): String =\n    (this as CharSequence).trim(predicate).toString()\n\n/>\n *
Returns a sub sequence of this char sequence having leading characters matching the [predicate] removed.\n\n/>\npublic
inline fun CharSequence.trimStart(predicate: (Char) -> Boolean): CharSequence {\n    for (index in
this.indices)\n        if (!predicate(this[index]))\n            return subSequence(index, length)\n    return
""\n}\n\n/>\n * Returns a string having leading characters matching the [predicate] removed.\n\n/>\npublic inline
fun String.trimStart(predicate: (Char) -> Boolean): String =\n    (this as
CharSequence).trimStart(predicate).toString()\n\n/>\n * Returns a sub sequence of this char sequence having
trailing characters matching the [predicate] removed.\n\n/>\npublic inline fun CharSequence.trimEnd(predicate:
(Char) -> Boolean): CharSequence {\n    for (index in this.indices.reversed())\n        if (!predicate(this[index]))\n
return subSequence(0, index + 1)\n    return ""\n}\n\n/>\n * Returns a string having trailing characters
matching the [predicate] removed.\n\n/>\npublic inline fun String.trimEnd(predicate: (Char) -> Boolean): String =\n
(this as CharSequence).trimEnd(predicate).toString()\n\n/>\n * Returns a sub sequence of this char sequence
having leading and trailing characters from the [chars] array removed.\n\n/>\npublic fun CharSequence.trim(vararg
chars: Char): CharSequence = trim { it in chars }\n\n/>\n * Returns a string having leading and trailing characters
from the [chars] array removed.\n\n/>\npublic fun String.trim(vararg chars: Char): String = trim { it in chars
}\n\n/>\n * Returns a sub sequence of this char sequence having leading characters from the [chars] array
removed.\n\n/>\npublic fun CharSequence.trimStart(vararg chars: Char): CharSequence = trimStart { it in chars
}\n\n/>\n * Returns a string having leading characters from the [chars] array removed.\n\n/>\npublic fun
String.trimStart(vararg chars: Char): String = trimStart { it in chars }\n\n/>\n * Returns a sub sequence of this
char sequence having trailing characters from the [chars] array removed.\n\n/>\npublic fun CharSequence.trimEnd(vararg
chars: Char): CharSequence = trimEnd { it in chars }\n\n/>\n * Returns a string having trailing characters from the
[chars] array removed.\n\n/>\npublic fun String.trimEnd(vararg chars: Char): String = trimEnd { it in chars }\n\n/>\n
*\n * Returns a sub sequence of this char sequence having leading and trailing whitespace removed.\n\n/>\npublic fun
CharSequence.trim(): CharSequence = trim(Char::isWhitespace)\n\n/>\n * Returns a string having leading and
trailing whitespace removed.\n\n/>\n@kotlin.internal.InlineOnly\npublic inline fun String.trim(): String = (this as
CharSequence).trim().toString()\n\n/>\n * Returns a sub sequence of this char sequence having leading whitespace
removed.\n\n/>\npublic fun CharSequence.trimStart(): CharSequence = trimStart(Char::isWhitespace)\n\n/>\n *
Returns a string having leading whitespace removed.\n\n/>\n@kotlin.internal.InlineOnly\npublic inline fun
String.trimStart(): String = (this as CharSequence).trimStart().toString()\n\n/>\n * Returns a sub sequence of this

```

```

char sequence having trailing whitespace removed.\n */\npublic fun CharSequence.trimEnd(): CharSequence =
trimEnd(Char::isWhitespace)\n\n/**\n * Returns a string having trailing whitespace removed.\n */\n@kotlin.internal.InlineOnly\npublic inline fun String.trimEnd(): String = (this as
CharSequence).trimEnd().toString()\n\n/**\n * Returns a char sequence with content of this char sequence padded at
the beginning\n * to the specified [length] with the specified character or space.\n * @param length the desired
string length.\n * @param padChar the character to pad string with, if it has length less than the [length] specified.
Space is used by default.\n * @return Returns a char sequence of length at least [length] consisting of `this` char
sequence prepended with [padChar] as many times\n * as are necessary to reach that length.\n * @sample
samples.text.Strings.padStart\n */\npublic fun CharSequence.padStart(length: Int, padChar: Char = ' '):
CharSequence {\n    if (length < 0)\n        throw IllegalArgumentException("Desired length $length is less than
zero.")\n    if (length <= this.length)\n        return this.subSequence(0, this.length)\n\n    val sb =
StringBuilder(length)\n    for (i in 1..(length - this.length))\n        sb.append(padChar)\n    sb.append(this)\n    return
sb\n}\n\n/**\n * Pads the string to the specified [length] at the beginning with the specified character or space.\n *
@param length the desired string length.\n * @param padChar the character to pad string with, if it has length less
than the [length] specified. Space is used by default.\n * @return Returns a string of length at least [length]
consisting of `this` string prepended with [padChar] as many times\n * as are necessary to reach that length.\n *
@sample samples.text.Strings.padStart\n */\npublic fun String.padStart(length: Int, padChar: Char = ' '): String =\n(this as CharSequence).padStart(length, padChar).toString()\n\n/**\n * Returns a char sequence with content of this
char sequence padded at the end\n * to the specified [length] with the specified character or space.\n * @param
length the desired string length.\n * @param padChar the character to pad string with, if it has length less than the
[length] specified. Space is used by default.\n * @return Returns a char sequence of length at least [length]
consisting of `this` char sequence appended with [padChar] as many times\n * as are necessary to reach that
length.\n * @sample samples.text.Strings.padEnd\n */\npublic fun CharSequence.padEnd(length: Int, padChar: Char
= ' '): CharSequence {\n    if (length < 0)\n        throw IllegalArgumentException("Desired length $length is less
than zero.")\n    if (length <= this.length)\n        return this.subSequence(0, this.length)\n\n    val sb =
StringBuilder(length)\n    sb.append(this)\n    for (i in 1..(length - this.length))\n        sb.append(padChar)\n    return
sb\n}\n\n/**\n * Pads the string to the specified [length] at the end with the specified character or space.\n *
@param length the desired string length.\n * @param padChar the character to pad string with, if it has length less
than the [length] specified. Space is used by default.\n * @return Returns a string of length at least [length]
consisting of `this` string appended with [padChar] as many times\n * as are necessary to reach that length.\n *
@sample samples.text.Strings.padEnd\n */\npublic fun String.padEnd(length: Int, padChar: Char = ' '): String =\n(this as CharSequence).padEnd(length, padChar).toString()\n\n/**\n * Returns `true` if this nullable char sequence is
either `null` or empty.\n * @sample samples.text.Strings.stringOrNull\n */\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence?.isNullOrEmpty(): Boolean {\n    contract {\n        returns(false) implies (this@isNullOrEmpty != null)\n    }\n\n    return this == null || this.length == 0\n}\n\n/**\n * Returns `true` if this char sequence is empty (contains no characters).\n * @sample
samples.text.Strings.stringIsEmpty\n */\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.isEmpty():
Boolean = length == 0\n\n/**\n * Returns `true` if this char sequence is not empty.\n * @sample
samples.text.Strings.stringIsNotEmpty\n */\n@kotlin.internal.InlineOnly\npublic inline fun
CharSequence.isNotEmpty(): Boolean = length > 0\n\n// implemented differently in JVM and JS\n//\npublic fun
String.isBlank(): Boolean = length() == 0 || all { it.isWhitespace() }\n\n/**\n * Returns `true` if this char sequence
is not empty and contains some characters except of whitespace characters.\n * @sample
samples.text.Strings.stringIsNotBlank\n */\n@kotlin.internal.InlineOnly\npublic inline fun
CharSequence.isNotBlank(): Boolean = !isBlank()\n\n/**\n * Returns `true` if this nullable char sequence is either
`null` or empty or consists solely of whitespace characters.\n * @sample
samples.text.Strings.stringOrNullOrBlank\n */\n@kotlin.internal.InlineOnly\npublic inline fun
CharSequence?.isNullOrBlank(): Boolean {\n    contract {\n        returns(false) implies (this@isNullOrBlank !=
null)\n    }\n\n    return this == null || this.isBlank()\n}\n\n/**\n * Iterator for characters of the given char sequence.\n

```

```

*\npublic operator fun CharSequence.iterator(): CharIterator = object : CharIterator() {\n    private var index = 0\n    public override fun nextChar(): Char = get(index++)\n    public override fun hasNext(): Boolean = index < length\n}\n\n/** Returns the string if it is not `null`, or the empty string otherwise.
*\n@kotlin.internal.InlineOnly\npublic inline fun String?.orEmpty(): String = this ?: ""\n\n/** Returns this char sequence if it's not empty\n * or the result of calling [defaultValue] function if the char sequence is empty.\n *\n * @sample samples.text.Strings.stringIfEmpty\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun <C, R> C.ifEmpty(defaultValue: () -> R): R where C : CharSequence, C : R =\n    if (isEmpty()) defaultValue() else this\n\n/** Returns this char sequence if it is not empty and doesn't consist solely of whitespace characters,\n * or the result of calling [defaultValue] function otherwise.\n *\n * @sample samples.text.Strings.stringIfBlank\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun <C, R> C.ifBlank(defaultValue: () -> R): R where C : CharSequence, C : R =\n    if (isBlank()) defaultValue() else this\n\n/** Returns the range of valid character indices for this char sequence.\n *\npublic val CharSequence.indices: IntRange\n    get() = 0..length - 1\n\n/** Returns the index of the last character in the char sequence or -1 if it is empty.\n *\npublic val CharSequence.lastIndex: Int\n    get() = this.length - 1\n\n/** Returns `true` if this CharSequence has Unicode surrogate pair at the specified [index].\n *\npublic fun CharSequence.hasSurrogatePairAt(index: Int): Boolean {\n    return index in 0..length - 2\n        && this[index].isHighSurrogate()\n        && this[index + 1].isLowSurrogate()\n}\n\n/** Returns a substring specified by the given [range] of indices.\n *\npublic fun String.substring(range: IntRange): String = substring(range.start, range.endInclusive + 1)\n\n/** Returns a subsequence of this char sequence specified by the given [range] of indices.\n *\npublic fun CharSequence.subSequence(range: IntRange): CharSequence = subSequence(range.start, range.endInclusive + 1)\n\n/** Returns a subsequence of this char sequence.\n *\n * This extension is chosen only for invocation with old-named parameters.\n * Replace parameter names with the same as those of [CharSequence.subSequence].\n
*\n@kotlin.internal.InlineOnly\n@Suppress("EXTENSION_SHADOWED_BY_MEMBER") // false\nwarning\n@Deprecated("Use parameters named startIndex and endIndex.", ReplaceWith("subSequence(startIndex = start, endIndex = end)"))\npublic inline fun String.subSequence(start: Int, end: Int): CharSequence = subSequence(start, end)\n\n/** Returns a substring of chars from a range of this char sequence starting at the [startIndex] and ending right before the [endIndex].\n *\n * @param startIndex the start index (inclusive).\n * @param endIndex the end index (exclusive). If not specified, the length of the char sequence is used.\n
*\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.substring(startIndex: Int, endIndex: Int = length): String = subSequence(startIndex, endIndex).toString()\n\n/** Returns a substring of chars at indices from the specified [range] of this char sequence.\n *\npublic fun CharSequence.substring(range: IntRange): String = subSequence(range.start, range.endInclusive + 1).toString()\n\n/** Returns a substring before the first occurrence of [delimiter].\n * If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n *\npublic fun String.substringBefore(delimiter: Char, missingDelimiterValue: String = this): String {\n    val index = indexOf(delimiter)\n    return if (index == -1) missingDelimiterValue else substring(0, index)\n}\n\n/** Returns a substring before the first occurrence of [delimiter].\n * If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n *\npublic fun String.substringBefore(delimiter: String, missingDelimiterValue: String = this): String {\n    val index = indexOf(delimiter)\n    return if (index == -1) missingDelimiterValue else substring(0, index)\n}\n\n/** Returns a substring after the first occurrence of [delimiter].\n * If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n *\npublic fun String.substringAfter(delimiter: Char, missingDelimiterValue: String = this): String {\n    val index = indexOf(delimiter)\n    return if (index == -1) missingDelimiterValue else substring(index + 1, length)\n}\n\n/** Returns a substring after the first occurrence of [delimiter].\n * If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n *\npublic fun String.substringAfter(delimiter: String, missingDelimiterValue: String = this): String {\n    val index = indexOf(delimiter)\n    return if (index == -1) missingDelimiterValue else substring(index + delimiter.length, length)\n}\n\n/** Returns a substring before the last occurrence of [delimiter].\n * If the string

```


does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.

```

public fun String.substringBeforeLast(delimiter: Char, missingDelimiterValue: String = this): String {
    val index = lastIndexOf(delimiter)
    return if (index == -1) missingDelimiterValue else substring(0, index)
}

```

Returns a substring before the last occurrence of [delimiter].

If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.

```

public fun String.substringBeforeLast(delimiter: String, missingDelimiterValue: String = this): String {
    val index = lastIndexOf(delimiter)
    return if (index == -1) missingDelimiterValue else substring(0, index)
}

```

Returns a substring before the last occurrence of [delimiter].

If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.

```

public fun String.substringAfterLast(delimiter: Char, missingDelimiterValue: String = this): String {
    val index = lastIndexOf(delimiter)
    return if (index == -1) missingDelimiterValue else substring(index + 1, length)
}

```

Returns a substring after the last occurrence of [delimiter].

If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.

```

public fun String.substringAfterLast(delimiter: String, missingDelimiterValue: String = this): String {
    val index = lastIndexOf(delimiter)
    return if (index == -1) missingDelimiterValue else substring(index + delimiter.length, length)
}

```

Returns a substring after the last occurrence of [delimiter].

If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.

```

public fun CharSequence.replaceRange(startIndex: Int, endIndex: Int, replacement: CharSequence): CharSequence {
    if (endIndex < startIndex)
        throw IndexOutOfBoundsException("End index ($endIndex) is less than start index ($startIndex).")
    val sb = StringBuilder()
    sb.append(this, 0, startIndex)
    sb.append(replacement)
    sb.append(this, endIndex, length)
    return sb
}

```

Replaces the part of the string at the given range with the [replacement] char sequence.

@param startIndex the index of the first character to be replaced.

@param endIndex the index of the first character after the replacement to keep in the string.

```

@kotlin.internal.InlineOnly
public inline fun String.replaceRange(startIndex: Int, endIndex: Int, replacement: CharSequence): String =
    (this as CharSequence).replaceRange(startIndex, endIndex, replacement).toString()

```

Returns a char sequence with content of this char sequence where its part at the given [range] is replaced with the [replacement] char sequence.

* The end index of the [range] is included in the part to be replaced.

```

public fun CharSequence.replaceRange(range: IntRange, replacement: CharSequence): CharSequence =
    replaceRange(range.start, range.endInclusive + 1, replacement)

```

Replace the part of string at the given [range] with the [replacement] string.

* The end index of the [range] is included in the part to be replaced.

```

@kotlin.internal.InlineOnly
public inline fun String.replaceRange(range: IntRange, replacement: CharSequence): String =
    (this as CharSequence).replaceRange(range, replacement).toString()

```

Returns a char sequence with content of this char sequence where its part at the given range is removed.

* @param startIndex the index of the first character to be removed.

* @param endIndex the index of the first character after the removed part to keep in the string.

* [endIndex] is not included in the removed part.

```

public fun CharSequence.removeRange(startIndex: Int, endIndex: Int): CharSequence {
    if (endIndex < startIndex)
        throw IndexOutOfBoundsException("End index ($endIndex) is less than start index ($startIndex).")
    if (endIndex == startIndex)
        return this.subSequence(0, length)
    val sb = StringBuilder(length - (endIndex - startIndex))
    sb.append(this, 0, startIndex)
    sb.append(this, endIndex, length)
    return sb
}

```

Removes the part of a string at a given range.

@param startIndex the index of the first character to be removed.

@param endIndex the index of the first character after the removed part to keep in the string.

* [endIndex] is not included in the removed part.

```

@kotlin.internal.InlineOnly
public inline fun String.removeRange(startIndex: Int, endIndex: Int): String =
    (this as CharSequence).removeRange(startIndex, endIndex).toString()

```

Returns a char sequence with content of this char sequence where its part at the given [range] is removed.

* The end index of the [range] is included in the removed part.

```

public fun CharSequence.removeRange(range: IntRange): CharSequence =
    removeRange(range.start, range.endInclusive + 1)

```

Removes the part of a string at the given [range].

* The end index of the [range] is included in the removed part.

```

@kotlin.internal.InlineOnly
public inline fun

```

String.removeRange(range: IntRange): String = \n (this as CharSequence).removeRange(range).toString()\n\n/**\n * If this char sequence starts with the given [prefix], returns a new char sequence\n * with the prefix removed.\n * Otherwise, returns a new char sequence with the same characters.\n */\npublic fun

CharSequence.removePrefix(prefix: CharSequence): CharSequence {\n if (startsWith(prefix)) {\n return subSequence(prefix.length, length)\n }\n return subSequence(0, length)\n}\n\n/**\n * If this string starts with the given [prefix], returns a copy of this string\n * with the prefix removed. Otherwise, returns this string.\n */\npublic fun String.removePrefix(prefix: CharSequence): String {\n if (startsWith(prefix)) {\n return substring(prefix.length)\n }\n return this\n}\n\n/**\n * If this char sequence ends with the given [suffix], returns a new char sequence\n * with the suffix removed. Otherwise, returns a new char sequence with the same characters.\n */\npublic fun CharSequence.removeSuffix(suffix: CharSequence): CharSequence {\n if (endsWith(suffix)) {\n return subSequence(0, length - suffix.length)\n }\n return subSequence(0, length)\n}\n\n/**\n * If this string ends with the given [suffix], returns a copy of this string\n * with the suffix removed. Otherwise, returns this string.\n */\npublic fun String.removeSuffix(suffix: CharSequence): String {\n if (endsWith(suffix)) {\n return substring(0, length - suffix.length)\n }\n return this\n}\n\n/**\n * When this char sequence starts with the given [prefix] and ends with the given [suffix],\n * returns a new char sequence having both the given [prefix] and [suffix] removed.\n * Otherwise returns a new char sequence with the same characters.\n */\npublic fun CharSequence.removeSurrounding(prefix: CharSequence, suffix: CharSequence): CharSequence {\n if ((length >= prefix.length + suffix.length) && startsWith(prefix) && endsWith(suffix)) {\n return subSequence(prefix.length, length - suffix.length)\n }\n return subSequence(0, length)\n}\n\n/**\n * Removes from a string both the given [prefix] and [suffix] if and only if\n * it starts with the [prefix] and ends with the [suffix].\n * Otherwise returns this string unchanged.\n */\npublic fun String.removeSurrounding(prefix: CharSequence, suffix: CharSequence): String {\n if ((length >= prefix.length + suffix.length) && startsWith(prefix) && endsWith(suffix)) {\n return substring(prefix.length, length - suffix.length)\n }\n return this\n}\n\n/**\n * When this char sequence starts with and ends with the given [delimiter],\n * returns a new char sequence having this [delimiter] removed both from the start and end.\n * Otherwise returns a new char sequence with the same characters.\n */\npublic fun CharSequence.removeSurrounding(delimiter: CharSequence): CharSequence = removeSurrounding(delimiter, delimiter)\n\n/**\n * Removes the given [delimiter] string from both the start and the end of this string\n * if and only if it starts with and ends with the [delimiter].\n * Otherwise returns this string unchanged.\n */\npublic fun String.removeSurrounding(delimiter: CharSequence): String = removeSurrounding(delimiter, delimiter)\n\n/**\n * Replace part of string before the first occurrence of given delimiter with the [replacement] string.\n * If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n */\npublic fun String.replaceBefore(delimiter: Char, replacement: String, missingDelimiterValue: String = this): String {\n val index = indexOf(delimiter)\n return if (index == -1) missingDelimiterValue else replaceRange(0, index, replacement)\n}\n\n/**\n * Replace part of string before the first occurrence of given delimiter with the [replacement] string.\n * If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n */\npublic fun String.replaceBefore(delimiter: String, replacement: String, missingDelimiterValue: String = this): String {\n val index = indexOf(delimiter)\n return if (index == -1) missingDelimiterValue else replaceRange(0, index, replacement)\n}\n\n/**\n * Replace part of string after the first occurrence of given delimiter with the [replacement] string.\n * If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n */\npublic fun String.replaceAfter(delimiter: Char, replacement: String, missingDelimiterValue: String = this): String {\n val index = indexOf(delimiter)\n return if (index == -1) missingDelimiterValue else replaceRange(index + 1, length, replacement)\n}\n\n/**\n * Replace part of string after the first occurrence of given delimiter with the [replacement] string.\n * If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n */\npublic fun String.replaceAfter(delimiter: String, replacement: String, missingDelimiterValue: String = this): String {\n val index = indexOf(delimiter)\n return if (index == -1) missingDelimiterValue else replaceRange(index + delimiter.length, length, replacement)\n}\n\n/**\n * Replace part of string after the last occurrence of given delimiter with the [replacement] string.\n * If the string does

```

not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n */\npublic fun
String.replaceAfterLast(delimiter: String, replacement: String, missingDelimiterValue: String = this): String {\n
val index = lastIndexOf(delimiter)\n return if (index == -1) missingDelimiterValue else replaceRange(index +
delimiter.length, length, replacement)\n}\n\n/**\n * Replace part of string after the last occurrence of given
delimiter with the [replacement] string.\n * If the string does not contain the delimiter, returns
[missingDelimiterValue] which defaults to the original string.\n */\npublic fun String.replaceAfterLast(delimiter:
Char, replacement: String, missingDelimiterValue: String = this): String {\n val index = lastIndexOf(delimiter)\n
return if (index == -1) missingDelimiterValue else replaceRange(index + 1, length, replacement)\n}\n\n/**\n *
Replace part of string before the last occurrence of given delimiter with the [replacement] string.\n * If the string
does not contain the delimiter, returns [missingDelimiterValue] which defaults to the original string.\n */\npublic
fun String.replaceBeforeLast(delimiter: Char, replacement: String, missingDelimiterValue: String = this): String {\n
val index = lastIndexOf(delimiter)\n return if (index == -1) missingDelimiterValue else replaceRange(0, index,
replacement)\n}\n\n/**\n * Replace part of string before the last occurrence of given delimiter with the
[replacement] string.\n * If the string does not contain the delimiter, returns [missingDelimiterValue] which defaults
to the original string.\n */\npublic fun String.replaceBeforeLast(delimiter: String, replacement: String,
missingDelimiterValue: String = this): String {\n val index = lastIndexOf(delimiter)\n return if (index == -1)
missingDelimiterValue else replaceRange(0, index, replacement)\n}\n\n// public fun String.replace(oldChar: Char,
newChar: Char, ignoreCase: Boolean): String // JVM- and JS-specific\n// public fun String.replace(oldValue: String,
newValue: String, ignoreCase: Boolean): String // JVM- and JS-specific\n\n/**\n * Returns a new string obtained by
replacing each substring of this char sequence that matches the given regular expression\n * with the given
[replacement].\n * The [replacement] can consist of any combination of literal text and $-substitutions. To treat
the replacement string\n * literally escape it with the [kotlin.text.Regex.Companion.escapeReplacement] method.\n
*/\n\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.replace(regex: Regex, replacement: String): String
= regex.replace(this, replacement)\n\n/**\n * Returns a new string obtained by replacing each substring of this char
sequence that matches the given regular expression\n * with the result of the given function [transform] that takes
[MatchResult] and returns a string to be used as a\n * replacement for that match.\n
*/\n\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.replace(regex: Regex, noinline transform:
(MatchResult) -> CharSequence): String =\n regex.replace(this, transform)\n\n/**\n * Replaces the first
occurrence of the given regular expression [regex] in this char sequence with specified [replacement] expression.\n
*\n * @param replacement A replacement expression that can include substitutions. See [Regex.replaceFirst] for
details.\n */\n\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.replaceFirst(regex: Regex, replacement:
String): String = regex.replaceFirst(this, replacement)\n\n/**\n * Returns `true` if this char sequence matches the
given regular expression.\n */\n\n@kotlin.internal.InlineOnly\npublic inline infix fun CharSequence.matches(regex:
Regex): Boolean = regex.matches(this)\n\n/**\n * Implementation of [regionMatches] for CharSequences.\n *
Invoked when it's already known that arguments are not Strings, so that no additional type checks are performed.\n
*/\n\ninternal fun CharSequence.regionMatchesImpl(thisOffset: Int, other: CharSequence, otherOffset: Int, length: Int,
ignoreCase: Boolean): Boolean {\n if ((otherOffset < 0) || (thisOffset < 0) || (thisOffset > this.length - length) ||
(otherOffset > other.length - length)) {\n return false\n }\n for (index in 0 until length) {\n if
(!this[thisOffset + index].equals(other[otherOffset + index], ignoreCase))\n return false\n }\n return
true\n}\n\n/**\n * Returns `true` if this char sequence starts with the specified character.\n */\n\npublic fun
CharSequence.startsWith(char: Char, ignoreCase: Boolean = false): Boolean =\n this.length > 0 &&
this[0].equals(char, ignoreCase)\n\n/**\n * Returns `true` if this char sequence ends with the specified character.\n
*/\n\npublic fun CharSequence.endsWith(char: Char, ignoreCase: Boolean = false): Boolean =\n this.length > 0 &&
this[lastIndex].equals(char, ignoreCase)\n\n/**\n * Returns `true` if this char sequence starts with the specified
prefix.\n */\n\npublic fun CharSequence.startsWith(prefix: CharSequence, ignoreCase: Boolean = false): Boolean {\n
if (!ignoreCase && this is String && prefix is String)\n return this.startsWith(prefix)\n else\n return
regionMatchesImpl(0, prefix, 0, prefix.length, ignoreCase)\n}\n\n/**\n * Returns `true` if a substring of this char
sequence starting at the specified offset [startIndex] starts with the specified prefix.\n */\n\npublic fun

```

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CharSequence.startsWith(prefix: CharSequence, startIndex: Int, ignoreCase: Boolean = false): Boolean {
    if (!ignoreCase && this is String && prefix is String)
        return this.startsWith(prefix, startIndex)
    else
        return regionMatchesImpl(startIndex, prefix, 0, prefix.length, ignoreCase)
}

/** Returns `true` if this char sequence ends with the specified suffix. */
public fun CharSequence.endsWith(suffix: CharSequence, ignoreCase: Boolean = false): Boolean {
    if (!ignoreCase && this is String && suffix is String)
        return this.endsWith(suffix)
    else
        return regionMatchesImpl(length - suffix.length, suffix, 0, suffix.length, ignoreCase)
}

/** common prefix and suffix */
/** Returns the longest string `prefix` such that this char sequence and [other] char sequence both start with this prefix, taking care not to split surrogate pairs. If this and [other] have no common prefix, returns the empty string. */
@param ignoreCase `true` to ignore character case when matching a character. By default `false`.
@sample samples.text.Strings.commonPrefixWith
public fun CharSequence.commonPrefixWith(other: CharSequence, ignoreCase: Boolean = false): String {
    val shortestLength = minOf(this.length, other.length)
    var i = 0
    while (i < shortestLength && this[i].equals(other[i], ignoreCase = ignoreCase))
        i++
    if (this.hasSurrogatePairAt(i - 1) || other.hasSurrogatePairAt(i - 1))
        i--
    return subSequence(0, i).toString()
}

/** Returns the longest string `suffix` such that this char sequence and [other] char sequence both end with this suffix, taking care not to split surrogate pairs. If this and [other] have no common suffix, returns the empty string. */
@param ignoreCase `true` to ignore character case when matching a character. By default `false`.
@sample samples.text.Strings.commonSuffixWith
public fun CharSequence.commonSuffixWith(other: CharSequence, ignoreCase: Boolean = false): String {
    val thisLength = this.length
    val otherLength = other.length
    val shortestLength = minOf(thisLength, otherLength)
    var i = 0
    while (i < shortestLength && this[thisLength - i - 1].equals(other[otherLength - i - 1], ignoreCase = ignoreCase))
        i++
    if (this.hasSurrogatePairAt(thisLength - i - 1) || other.hasSurrogatePairAt(otherLength - i - 1))
        i--
    return subSequence(thisLength - i, thisLength).toString()
}

/** indexOfAny() */
/** Finds the index of the first occurrence of any of the specified [chars] in this char sequence, starting from the specified [startIndex] and optionally ignoring the case. */
@param ignoreCase `true` to ignore character case when matching a character. By default `false`.
@return An index of the first occurrence of matched character from [chars] or -1 if none of [chars] are found.
public fun CharSequence.indexOfAny(chars: CharArray, startIndex: Int = 0, ignoreCase: Boolean = false): Int {
    if (!ignoreCase && chars.size == 1 && this is String)
        val char = chars.single()
        return nativeIndexOf(char, startIndex)
    for (index in startIndex.coerceAtLeast(0)..lastIndex)
        val charAtIndex = get(index)
        if (chars.any { it.equals(charAtIndex, ignoreCase) })
            return index
    return -1
}

/** lastIndexOfAny() */
/** Finds the index of the last occurrence of any of the specified [chars] in this char sequence, starting from the specified [startIndex] and optionally ignoring the case. */
@param startIndex The index of character to start searching at. The search proceeds backward toward the beginning of the string.
@param ignoreCase `true` to ignore character case when matching a character. By default `false`.
@return An index of the last occurrence of matched character from [chars] or -1 if none of [chars] are found.
public fun CharSequence.lastIndexOfAny(chars: CharArray, startIndex: Int = lastIndex, ignoreCase: Boolean = false): Int {
    if (!ignoreCase && chars.size == 1 && this is String)
        val char = chars.single()
        return nativeLastIndexOf(char, startIndex)
    for (index in startIndex.coerceAtMost(lastIndex) downTo 0)
        val charAtIndex = get(index)
        if (chars.any { it.equals(charAtIndex, ignoreCase) })
            return index
    return -1
}

private fun CharSequence.indexOf(other: CharSequence, startIndex: Int, endIndex: Int, ignoreCase: Boolean, last: Boolean = false): Int {
    val indices = if (!last)
        startIndex.coerceAtLeast(0)..endIndex.coerceAtMost(length)
    else
        startIndex.coerceAtMost(lastIndex) downTo endIndex.coerceAtLeast(0)
    if (this is String && other is String) { // smart cast
        for (index in indices)
            if (other.regionMatches(0, this, index, other.length, ignoreCase))
                return index
    } else {
        for (index in indices)
            if (other.regionMatchesImpl(0, this, index, other.length, ignoreCase))
                return index
    }
    return -1
}

private fun CharSequence.findAnyOf(strings: Collection<String>, startIndex: Int, ignoreCase: Boolean, last: Boolean): Pair<Int, String>? {
    if (!ignoreCase && strings.size == 1)
        val string = strings.single()
        val index = if (!last) indexOf(string, startIndex) else

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lastIndexOf(string, startIndex)\n    return if (index < 0) null else index to string\n  }\n\n  val indices = if (!last)
startIndex.coerceAtLeast(0)..length else startIndex.coerceAtMost(lastIndex) downTo 0\n\n  if (this is String) {\n
for (index in indices) {\n    val matchingString = strings.firstOrNull { it.regionMatches(0, this, index, it.length,
ignoreCase) }\n    if (matchingString != null)\n      return index to matchingString\n    }\n  } else {\n
for (index in indices) {\n    val matchingString = strings.firstOrNull { it.regionMatchesImpl(0, this, index,
it.length, ignoreCase) }\n    if (matchingString != null)\n      return index to matchingString\n    }\n  }\n\n  return null\n}\n\n/**\n * Finds the first occurrence of any of the specified [strings] in this char sequence,\n * starting from the specified [startIndex] and optionally ignoring the case.\n * @param ignoreCase `true` to ignore character case when matching a string. By default `false`.\n * @return A pair of an index of the first occurrence of matched string from [strings] and the string matched\n * or `null` if none of [strings] are found.\n * To avoid ambiguous results when strings in [strings] have characters in common, this method proceeds from\n * the beginning to the end of this string, and finds at each position the first element in [strings]\n * that matches this string at that position.\n */\npublic fun CharSequence.findAnyOf(strings: Collection<String>, startIndex: Int = 0,
ignoreCase: Boolean = false): Pair<Int, String>? =\n  findAnyOf(strings, startIndex, ignoreCase, last =
false)\n\n/**\n * Finds the last occurrence of any of the specified [strings] in this char sequence,\n * starting from the specified [startIndex] and optionally ignoring the case.\n * @param startIndex The index of character to start searching at. The search proceeds backward toward the beginning of the string.\n * @param ignoreCase `true` to ignore character case when matching a string. By default `false`.\n * @return A pair of an index of the last occurrence of matched string from [strings] and the string matched or `null` if none of [strings] are found.\n * To avoid ambiguous results when strings in [strings] have characters in common, this method proceeds from\n * the end toward the beginning of this string, and finds at each position the first element in [strings]\n * that matches this string at that position.\n */\npublic fun CharSequence.findLastAnyOf(strings: Collection<String>, startIndex: Int =
lastIndex, ignoreCase: Boolean = false): Pair<Int, String>? =\n  findAnyOf(strings, startIndex, ignoreCase, last =
true)\n\n/**\n * Finds the index of the first occurrence of any of the specified [strings] in this char sequence,\n * starting from the specified [startIndex] and optionally ignoring the case.\n * @param ignoreCase `true` to ignore character case when matching a string. By default `false`.\n * @return An index of the first occurrence of matched string from [strings] or -1 if none of [strings] are found.\n * To avoid ambiguous results when strings in [strings] have characters in common, this method proceeds from\n * the beginning to the end of this string, and finds at each position the first element in [strings]\n * that matches this string at that position.\n */\npublic fun
CharSequence.indexOfAny(strings: Collection<String>, startIndex: Int = 0, ignoreCase: Boolean = false): Int =\n  findAnyOf(strings, startIndex, ignoreCase, last = false)?.first ?: -1\n\n/**\n * Finds the index of the last occurrence
of any of the specified [strings] in this char sequence,\n * starting from the specified [startIndex] and optionally
ignoring the case.\n * @param startIndex The index of character to start searching at. The search proceeds
backward toward the beginning of the string.\n * @param ignoreCase `true` to ignore character case when matching
a string. By default `false`.\n * @return An index of the last occurrence of matched string from [strings] or -1 if
none of [strings] are found.\n * To avoid ambiguous results when strings in [strings] have characters in common,
this method proceeds from\n * the end toward the beginning of this string, and finds at each position the first
element in [strings]\n * that matches this string at that position.\n */\npublic fun
CharSequence.lastIndexOfAny(strings: Collection<String>, startIndex: Int = lastIndex, ignoreCase: Boolean =
false): Int =\n  findAnyOf(strings, startIndex, ignoreCase, last = true)?.first ?: -1\n\n// indexOf\n\n/**\n * Returns
the index within this string of the first occurrence of the specified character, starting from the specified
[startIndex].\n * @param ignoreCase `true` to ignore character case when matching a character. By default
`false`.\n * @return An index of the first occurrence of [char] or -1 if none is found.\n */\npublic fun
CharSequence.indexOf(char: Char, startIndex: Int = 0, ignoreCase: Boolean = false): Int {\n  return if (ignoreCase
|| this !is String)\n    indexOfAny(charArrayOf(char), startIndex, ignoreCase)\n  else\n    nativeIndexOf(char,
startIndex)\n}\n\n/**\n * Returns the index within this char sequence of the first occurrence of the specified
[string],\n * starting from the specified [startIndex].\n * @param ignoreCase `true` to ignore character case when
matching a string. By default `false`.\n * @return An index of the first occurrence of [string] or -1 if none is

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found.\n */\npublic fun CharSequence.indexOf(string: String, startIndex: Int = 0, ignoreCase: Boolean = false): Int
{\n    return if (ignoreCase || this !is String)\n        indexOf(string, startIndex, length, ignoreCase)\n    else\n        nativeIndexOf(string, startIndex)\n}\n\n/**\n * Returns the index within this char sequence of the last occurrence of
the specified character,\n * starting from the specified [startIndex].\n */\n * @param startIndex The index of
character to start searching at. The search proceeds backward toward the beginning of the string.\n * @param
ignoreCase `true` to ignore character case when matching a character. By default `false`.\n * @return An index of
the first occurrence of [char] or -1 if none is found.\n */\npublic fun CharSequence.lastIndexOf(char: Char,
startIndex: Int = lastIndex, ignoreCase: Boolean = false): Int {\n    return if (ignoreCase || this !is String)\n
lastIndexOfAny(charArrayOf(char), startIndex, ignoreCase)\n    else\n        nativeLastIndexOf(char,
startIndex)\n}\n\n/**\n * Returns the index within this char sequence of the last occurrence of the specified
[string],\n * starting from the specified [startIndex].\n */\n * @param startIndex The index of character to start
searching at. The search proceeds backward toward the beginning of the string.\n * @param ignoreCase `true` to
ignore character case when matching a string. By default `false`.\n * @return An index of the first occurrence of
[string] or -1 if none is found.\n */\npublic fun CharSequence.lastIndexOf(string: String, startIndex: Int = lastIndex,
ignoreCase: Boolean = false): Int {\n    return if (ignoreCase || this !is String)\n        indexOf(string, startIndex, 0,
ignoreCase, last = true)\n    else\n        nativeLastIndexOf(string, startIndex)\n}\n\n/**\n * Returns `true` if this char
sequence contains the specified [other] sequence of characters as a substring.\n */\n * @param ignoreCase `true` to
ignore character case when comparing strings. By default `false`.\n
*/\n@Suppress("INAPPLICABLE_OPERATOR_MODIFIER")\npublic operator fun
CharSequence.contains(other: CharSequence, ignoreCase: Boolean = false): Boolean =\n    if (other is String)\n
indexOf(other, ignoreCase = ignoreCase) >= 0\n    else\n        indexOf(other, 0, length, ignoreCase) >=
0\n}\n\n/**\n * Returns `true` if this char sequence contains the specified character [char].\n */\n * @param
ignoreCase `true` to ignore character case when comparing characters. By default `false`.\n
*/\n@Suppress("INAPPLICABLE_OPERATOR_MODIFIER")\npublic operator fun CharSequence.contains(char:
Char, ignoreCase: Boolean = false): Boolean =\n    indexOf(char, ignoreCase = ignoreCase) >= 0\n}\n\n/**\n * Returns
`true` if this char sequence contains at least one match of the specified regular expression [regex].\n
*/\n@kotlin.internal.InlineOnly\npublic inline operator fun CharSequence.contains(regex: Regex): Boolean =
regex.containsMatchIn(this)\n\n// rangesDelimitedBy\n\nprivate class DelimitedRangesSequence(\n    private
input: CharSequence,\n    private val startIndex: Int,\n    private val limit: Int,\n    private val getNextMatch:
CharSequence.(current: Int) -> Pair<Int, Int>?(): Sequence<IntRange> {\n\n    override fun iterator():
Iterator<IntRange> = object : Iterator<IntRange> {\n        var nextState: Int = -1 // -1 for unknown, 0 for done, 1 for
continue\n        var currentStartIndex: Int = startIndex.coerceIn(0, input.length)\n        var nextSearchIndex: Int =
currentStartIndex\n        var nextItem: IntRange? = null\n        var counter: Int = 0\n\n        private fun calcNext() {\n
            if (nextSearchIndex < 0) {\n                nextState = 0\n                nextItem = null\n            } else {\n
                if (limit > 0 && ++counter >= limit || nextSearchIndex > input.length) {\n                    nextItem =
currentStartIndex..input.lastIndex\n                    nextSearchIndex = -1\n                } else {\n                   
val match =
input.getNextMatch(nextSearchIndex)\n                    if (match == null) {\n                        nextItem =
currentStartIndex..input.lastIndex\n                        nextSearchIndex = -1\n                    } else {\n                       
val
(index, length) = match\n                        nextItem = currentStartIndex until index\n                        currentStartIndex
= index + length\n                        nextSearchIndex = currentStartIndex + if (length == 0) 1 else 0\n                    }\n
                }\n                nextState = 1\n            }\n        }\n\n        override fun next(): IntRange {\n
            if (nextState ==
-1)\n                calcNext()\n            if (nextState == 0)\n                throw NoSuchElementException()\n            val
result = nextItem as IntRange\n            // Clean next to avoid keeping reference on yielded instance\n            nextItem = null\n
            nextState = -1\n            return result\n        }\n\n        override fun hasNext(): Boolean {\n
            if (nextState == -1)\n                calcNext()\n            return nextState == 1\n        }\n    }\n}\n\n/**\n * Returns a
sequence of index ranges of substrings in this char sequence around occurrences of the specified [delimiters].\n */\n * @param delimiters One or more characters to be used as delimiters.\n * @param startIndex The index to start
searching delimiters from.\n * No range having its start value less than [startIndex] is returned.\n * [startIndex] is

```

coerced to be non-negative and not greater than length of this string.

`@param ignoreCase `true` to ignore character case when matching a delimiter. By default `false`.`

`@param limit The maximum number of substrings to return. Zero by default means no limit is set.`

```

private fun CharSequence.rangesDelimitedBy(delimiters: CharArray, startIndex: Int = 0, ignoreCase: Boolean = false, limit: Int = 0): Sequence<IntRange> {
    require(limit >= 0, { "\"Limit must be non-negative, but was $limit.\" })
    return DelimitedRangesSequence(this, startIndex, limit, { currentIndex ->
        indexOfAny(delimiters, currentIndex, ignoreCase = ignoreCase).let { if (it < 0) null else it + 1 })
    }
}

Returns a sequence of index ranges of substrings in this char sequence around occurrences of the specified [delimiters].

@param delimiters One or more strings to be used as delimiters.

@param startIndex The index to start searching delimiters from.

No range having its start value less than [startIndex] is returned.

[startIndex] is coerced to be non-negative and not greater than length of this string.

@param ignoreCase `true` to ignore character case when matching a delimiter. By default `false`.

@param limit The maximum number of substrings to return. Zero by default means no limit is set.

To avoid ambiguous results when strings in [delimiters] have characters in common, this method proceeds from the beginning to the end of this string, and finds at each position the first element in [delimiters] that matches this string at that position.

private fun CharSequence.rangesDelimitedBy(delimiters: Array<out String>, startIndex: Int = 0, ignoreCase: Boolean = false, limit: Int = 0): Sequence<IntRange> {
    require(limit >= 0, { "\"Limit must be non-negative, but was $limit.\" })
    val delimitersList = delimiters.asList()
    return DelimitedRangesSequence(this, startIndex, limit, { currentIndex -> findAnyOf(delimitersList, currentIndex, ignoreCase = ignoreCase, last = false)?.let { it.first to it.second.length } })
}

Splits this char sequence to a sequence of strings around occurrences of the specified [delimiters].

@param delimiters One or more strings to be used as delimiters.

@param ignoreCase `true` to ignore character case when matching a delimiter. By default `false`.

@param limit The maximum number of substrings to return. Zero by default means no limit is set.

To avoid ambiguous results when strings in [delimiters] have characters in common, this method proceeds from the beginning to the end of this string, and finds at each position the first element in [delimiters] that matches this string at that position.

public fun CharSequence.splitToSequence(vararg delimiters: String, ignoreCase: Boolean = false, limit: Int = 0): Sequence<String> =
    rangesDelimitedBy(delimiters, ignoreCase = ignoreCase, limit = limit).map { substring(it) }

Splits this char sequence to a list of strings around occurrences of the specified [delimiters].

@param delimiters One or more strings to be used as delimiters.

@param ignoreCase `true` to ignore character case when matching a delimiter. By default `false`.

@param limit The maximum number of substrings to return. Zero by default means no limit is set.

To avoid ambiguous results when strings in [delimiters] have characters in common, this method proceeds from the beginning to the end of this string, and matches at each position the first element in [delimiters] that is equal to a delimiter in this instance at that position.

public fun CharSequence.split(vararg delimiters: String, ignoreCase: Boolean = false, limit: Int = 0): List<String> {
    if (delimiters.size == 1) {
        val delimiter = delimiters[0]
        if (!delimiter.isEmpty()) {
            return split(delimiter, ignoreCase, limit)
        }
    }
    return rangesDelimitedBy(delimiters, ignoreCase = ignoreCase, limit = limit).asIterable().map { substring(it) }
}

Splits this char sequence to a sequence of strings around occurrences of the specified [delimiters].

@param delimiters One or more characters to be used as delimiters.

@param ignoreCase `true` to ignore character case when matching a delimiter. By default `false`.

@param limit The maximum number of substrings to return.

public fun CharSequence.splitToSequence(vararg delimiters: Char, ignoreCase: Boolean = false, limit: Int = 0): Sequence<String> =
    rangesDelimitedBy(delimiters, ignoreCase = ignoreCase, limit = limit).map { substring(it) }

Splits this char sequence to a list of strings around occurrences of the specified [delimiters].

@param delimiters One or more characters to be used as delimiters.

@param ignoreCase `true` to ignore character case when matching a delimiter. By default `false`.

@param limit The maximum number of substrings to return.

public fun CharSequence.split(vararg delimiters: Char, ignoreCase: Boolean = false, limit: Int = 0): List<String> {
    if (delimiters.size == 1) {
        return split(delimiters[0].toString(), ignoreCase, limit)
    }
    return rangesDelimitedBy(delimiters, ignoreCase = ignoreCase, limit = limit).asIterable().map { substring(it) }
}


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}\n\n/**\n * Splits this char sequence to a list of strings around occurrences of the specified [delimiter].\n * This
is specialized version of split which receives single non-empty delimiter and offers better performance\n *\n *
@param delimiter String used as delimiter\n * @param ignoreCase `true` to ignore character case when matching a
delimiter. By default `false`.\n * @param limit The maximum number of substrings to return.\n */\nprivate fun
CharSequence.split(delimiter: String, ignoreCase: Boolean, limit: Int): List<String> {\n    require(limit >= 0, {\n
`Limit must be non-negative, but was $limit.`})\n    var currentOffset = 0\n    var nextIndex =
indexOf(delimiter, currentOffset, ignoreCase)\n    if (nextIndex == -1 || limit == 1) {\n        return
listOf(this.toString())\n    }\n    val isLimited = limit > 0\n    val result = ArrayList<String>(if (isLimited)
limit.coerceAtMost(10) else 10)\n    do {\n        result.add(substring(currentOffset, nextIndex))\n        currentOffset
= nextIndex + delimiter.length\n        // Do not search for next occurrence if we're reaching limit\n        if (isLimited
&& result.size == limit - 1) break\n        nextIndex = indexOf(delimiter, currentOffset, ignoreCase)\n    } while
(nextIndex != -1)\n    result.add(substring(currentOffset, length))\n    return result\n}\n\n/**\n * Splits this char
sequence around matches of the given regular expression.\n *\n * @param limit Non-negative value specifying the
maximum number of substrings to return.\n * Zero by default means no limit is set.\n
*/\n@kotlin.internal.InlineOnly\npublic inline fun CharSequence.split(regex: Regex, limit: Int = 0): List<String> =
regex.split(this, limit)\n\n/**\n * Splits this char sequence to a sequence of lines delimited by any of the following
character sequences: CRLF, LF or CR.\n *\n * The lines returned do not include terminating line separators.\n
*/\npublic fun CharSequence.lineSequence(): Sequence<String> = splitToSequence("\\r\\n", "\\n",
"\\r")\n\n/**\n * Splits this char sequence to a list of lines delimited by any of the following character sequences:
CRLF, LF or CR.\n *\n * The lines returned do not include terminating line separators.\n */\npublic fun
CharSequence.lines(): List<String> = lineSequence().toList()\n\n"/\n * Copyright 2010-2018 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.text\nimport kotlin.js.RegExp\n\n/**\n *
Converts the characters in the specified array to a string.\n */\n@SinceKotlin("1.2")\npublic actual fun
String(chars: CharArray): String {\n    var result = ""\n    for (char in chars) {\n        result += char\n    }\n    return
result\n}\n\n/**\n * Converts the characters from a portion of the specified array to a string.\n *\n * @throws
IndexOutOfBoundsException if either [offset] or [length] are less than zero\n * or `offset + length` is out of [chars]
array bounds.\n */\n@SinceKotlin("1.2")\npublic actual fun String(chars: CharArray, offset: Int, length: Int):
String {\n    if (offset < 0 || length < 0 || chars.size - offset < length)\n        throw
IndexOutOfBoundsException("size: ${chars.size}; offset: $offset; length: $length")\n    var result = ""\n    for
(index in offset until offset + length) {\n        result += chars[index]\n    }\n    return result\n}\n\n/**\n *
Concatenates characters in this [CharArray] into a String.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic actual fun CharArray.concatToString(): String {\n
var result = ""\n    for (char in this) {\n        result += char\n    }\n    return result\n}\n\n/**\n * Concatenates
characters in this [CharArray] or its subrange into a String.\n *\n * @param startIndex the beginning (inclusive) of
the subrange of characters, 0 by default.\n * @param endIndex the end (exclusive) of the subrange of characters,
size of this array by default.\n *\n * @throws IndexOutOfBoundsException if [startIndex] is less than zero or
[endIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [startIndex] is greater
than [endIndex].\n
*/\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n@ExperimentalStdlibApi\npublic actual fun CharArray.concatToString(startIndex: Int = 0, endIndex: Int = this.size): String
{\n    AbstractList.checkBoundsIndexes(startIndex, endIndex, this.size)\n    var result = ""\n    for (index in
startIndex until endIndex) {\n        result += this[index]\n    }\n    return result\n}\n\n/**\n * Returns a [CharArray]
containing characters of this string.\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic actual fun
String.toCharArray(): CharArray {\n    return CharArray(length) { get(it) }\n}\n\n/**\n * Returns a [CharArray]
containing characters of this string or its substring.\n *\n * @param startIndex the beginning (inclusive) of the
substring, 0 by default.\n * @param endIndex the end (exclusive) of the substring, length of this string by default.\n
*\n * @throws IndexOutOfBoundsException if [startIndex] is less than zero or [endIndex] is greater than the length

```



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of this string.\n * @throws IllegalArgumentException if [startIndex] is greater than [endIndex].\n
*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n@ExperimentalStdlibApi\npublic actual fun String.toCharArray(startIndex: Int = 0, endIndex: Int = this.length): CharArray {
\n  AbstractList.checkBoundsIndexes(startIndex, endIndex, length)\n  return CharArray(endIndex - startIndex) {
  get(startIndex + it) }\n}\n\n**\n * Decodes a string from the bytes in UTF-8 encoding in this array.\n *\n *
Malformed byte sequences are replaced by the replacement char `\\uFFFD`.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic actual fun ByteArray.decodeToString(): String {
\n  return decodeUtf8(this, 0, size, false)\n}\n\n**\n * Decodes a string from the bytes in UTF-8 encoding in this array
or its subrange.\n *\n * @param startIndex the beginning (inclusive) of the subrange to decode, 0 by default.\n *
@param endIndex the end (exclusive) of the subrange to decode, size of this array by default.\n * @param
throwOnInvalidSequence specifies whether to throw an exception on malformed byte sequence or replace it by the
replacement char `\\uFFFD`.\n *\n * @throws IndexOutOfBoundsException if [startIndex] is less than zero or
[endIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [startIndex] is greater
than [endIndex].\n * @throws CharacterCodingException if the byte array contains malformed UTF-8 byte
sequence and [throwOnInvalidSequence] is true.\n
*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n@ExperimentalStdlibApi\npublic actual fun ByteArray.decodeToString(\n  startIndex: Int = 0,\n  endIndex: Int =
this.size,\n  throwOnInvalidSequence: Boolean = false\n): String {
\n  AbstractList.checkBoundsIndexes(startIndex, endIndex, this.size)\n  return decodeUtf8(this, startIndex, endIndex,
throwOnInvalidSequence)\n}\n\n**\n * Encodes this string to an array of bytes in UTF-8 encoding.\n *\n * Any
malformed char sequence is replaced by the replacement byte sequence.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic actual fun String.encodeToByteArray(): ByteArray {
\n  return encodeUtf8(this, 0, length, false)\n}\n\n**\n * Encodes this string or its substring to an array of bytes in
UTF-8 encoding.\n *\n * @param startIndex the beginning (inclusive) of the substring to encode, 0 by default.\n *
@param endIndex the end (exclusive) of the substring to encode, length of this string by default.\n * @param
throwOnInvalidSequence specifies whether to throw an exception on malformed char sequence or replace.\n *\n *
@throws IndexOutOfBoundsException if [startIndex] is less than zero or [endIndex] is greater than the length of
this string.\n * @throws IllegalArgumentException if [startIndex] is greater than [endIndex].\n * @throws
CharacterCodingException if this string contains malformed char sequence and [throwOnInvalidSequence] is true.\n
*\n@SinceKotlin("1.3")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n@ExperimentalStdlibApi\npublic actual fun String.encodeToByteArray(\n  startIndex: Int = 0,\n  endIndex: Int =
this.length,\n  throwOnInvalidSequence: Boolean = false\n): ByteArray {
\n  AbstractList.checkBoundsIndexes(startIndex, endIndex, length)\n  return encodeUtf8(this, startIndex, endIndex,
throwOnInvalidSequence)\n}\n\n**\n * Returns a copy of this string converted to upper case using the rules of the
default locale.\n *\n * @sample samples.text.Strings.toUpperCase\n *\n@kotlin.internal.InlineOnly\npublic actual
inline fun String.toUpperCase(): String = asDynamic().toUpperCase()\n\n**\n * Returns a copy of this string
converted to lower case using the rules of the default locale.\n *\n * @sample samples.text.Strings.toLowerCase\n
*\n@kotlin.internal.InlineOnly\npublic actual inline fun String.toLowerCase(): String =
asDynamic().toLowerCase()\n\n@kotlin.internal.InlineOnly\ninternal actual inline fun String.nativeIndexOf(str:
String, fromIndex: Int): Int = asDynamic().indexOf(str, fromIndex)\n\n@kotlin.internal.InlineOnly\ninternal actual
inline fun String.nativeLastIndexOf(str: String, fromIndex: Int): Int = asDynamic().lastIndexOf(str,
fromIndex)\n\n@kotlin.internal.InlineOnly\ninternal inline fun String.nativeStartsWith(s: String, position: Int):
Boolean = asDynamic().startsWith(s, position)\n\n@kotlin.internal.InlineOnly\ninternal inline fun
String.nativeEndsWith(s: String): Boolean = asDynamic().endsWith(s)\n\n@kotlin.internal.InlineOnly\npublic
actual inline fun String.substring(startIndex: Int): String =
asDynamic().substring(startIndex)\n\n@kotlin.internal.InlineOnly\npublic actual inline fun
String.substring(startIndex: Int, endIndex: Int): String = asDynamic().substring(startIndex,
endIndex)\n\n@kotlin.internal.InlineOnly\npublic inline fun String.concat(str: String): String =

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asDynamic().concat(str)\n\n@kotlin.internal.InlineOnly\npublic inline fun String.match(regex: String):
Array<String>? = asDynamic().match(regex)\n\n//native public fun String.trim(): String\n//TODO: String.replace to
implement effective trimLeading and trimTrailing\n\n@kotlin.internal.InlineOnly\ninternal inline fun
String.nativeReplace(pattern: RegExp, replacement: String): String = asDynamic().replace(pattern,
replacement)\n\n@SinceKotlin("1.2")\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS
")\npublic actual fun String.compareTo(other: String, ignoreCase: Boolean = false): Int {\n    if (ignoreCase) {\n
val n1 = this.length\n        val n2 = other.length\n        val min = minOf(n1, n2)\n        if (min == 0) return n1 - n2\n
        var start = 0\n        while (true) {\n            val end = minOf(start + 16, min)\n            var s1 = this.substring(start,
end)\n            var s2 = other.substring(start, end)\n            if (s1 != s2) {\n                s1 = s1.toUpperCase()\n
s2 = s2.toUpperCase()\n                if (s1 != s2) {\n                    s1 = s1.toLowerCase()\n                    s2 =
s2.toLowerCase()\n                    if (s1 != s2) {\n                        return s1.compareTo(s2)\n                    }\n
}\n            }\n            if (end == min) break\n            start = end\n        }\n        return n1 - n2\n    } else {\n        return
compareTo(other)\n    }\n}\n\nprivate val STRING_CASE_INSENSITIVE_ORDER = Comparator<String> { a, b
-> a.compareTo(b, ignoreCase = true) }\n\n@SinceKotlin("1.2")\npublic actual val
String.Companion.CASE_INSENSITIVE_ORDER: Comparator<String>\n    get() =
STRING_CASE_INSENSITIVE_ORDER\n", "/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\n// Auto-generated file. DO NOT EDIT!\n\npackage
kotlin\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic inline class
UByteArray\n@Suppress("NON_PUBLIC_PRIMARY_CONSTRUCTOR_OF_INLINE_CLASS")\n@Published
Api\ninternal constructor(@PublishedApi internal val storage: ByteArray) : Collection<UByte> {\n\n    /** Creates
a new array of the specified [size], with all elements initialized to zero. */\n    public constructor(size: Int) :
this(ByteArray(size))\n\n    /**\n     * Returns the array element at the given [index]. This method can be called
using the index operator.\n     *\n     * If the [index] is out of bounds of this array, throws an
[IndexOutOfBoundsException] except in Kotlin/JS\n     * where the behavior is unspecified.\n     *\n     * public
operator fun get(index: Int): UByte = storage[index].toUByte()\n\n     /**\n     * Sets the element at the given [index]
to the given [value]. This method can be called using the index operator.\n     *\n     * If the [index] is out of bounds
of this array, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n     * where the behavior is
unspecified.\n     *\n     * public operator fun set(index: Int, value: UByte) {\n        storage[index] = value.toByte()\n
}\n\n     /** Returns the number of elements in the array. */\n     public override val size: Int get() = storage.size\n\n
/** Creates an iterator over the elements of the array. */\n     public override operator fun iterator(): UByteIterator =
Iterator(storage)\n\n     private class Iterator(private val array: ByteArray) : UByteIterator() {\n        private var index
= 0\n        override fun hasNext() = index < array.size\n        override fun nextUByte() = if (index < array.size)
array[index++].toUByte() else throw NoSuchElementException(index.toString())\n    }\n\n     override fun
contains(element: UByte): Boolean {\n        // TODO: Eliminate this check after KT-30016 gets fixed.\n        //
Currently JS BE does not generate special bridge method for this method.\n        if ((element as Any?) != UByte)
return false\n\n        return storage.contains(element.toByte())\n    }\n\n     override fun containsAll(elements:
Collection<UByte>): Boolean {\n        return (elements as Collection<*>).all { it is UByte &&
storage.contains(it.toByte()) }\n    }\n\n     override fun isEmpty(): Boolean = this.storage.size == 0\n}\n\n/**\n *
Creates a new array of the specified [size], where each element is calculated by calling the specified\n * [init]
function.\n * \n * The function [init] is called for each array element sequentially starting from the first one.\n * It
should return the value for an array element given its index.\n\n * \n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray(size: Int, init: (Int) -> UByte): UByteArray {\n    return UByteArray(ByteArray(size) { index ->
init(index).toByte()
})\n}\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ubyteArrayOf(vararg elements: UByte): UByteArray = elements\n", "/*\n * Copyright 2010-2019 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that

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can be found in the license/LICENSE.txt file.\n *\n\n// Auto-generated file. DO NOT EDIT!\n\npackage
kotlin\n\n@SinceKotlin("1.3")\n\n@ExperimentalUnsignedTypes\n\npublic inline class
UIntArray\n\n@Suppress("NON_PUBLIC_PRIMARY_CONSTRUCTOR_OF_INLINE_CLASS")\n\n@PublishedApi\n\ninternal constructor(@PublishedApi internal val storage: IntArray) : Collection<UInt> {\n\n    /** Creates a new
array of the specified [size], with all elements initialized to zero. *\n    public constructor(size: Int) :
this(IntArray(size))\n\n    /**\n    * Returns the array element at the given [index]. This method can be called using
the index operator.\n    *\n    * If the [index] is out of bounds of this array, throws an
[IndexOutOfBoundsExcepion] except in Kotlin/JS\n    * where the behavior is unspecified.\n    *\n    public
operator fun get(index: Int): UInt = storage[index].toUInt()\n\n    /**\n    * Sets the element at the given [index] to
the given [value]. This method can be called using the index operator.\n    *\n    * If the [index] is out of bounds of
this array, throws an [IndexOutOfBoundsExcepion] except in Kotlin/JS\n    * where the behavior is unspecified.\n\n    *\n    public operator fun set(index: Int, value: UInt) {\n        storage[index] = value.toInt()\n    }\n\n    /** Returns
the number of elements in the array. *\n    public override val size: Int get() = storage.size\n\n    /** Creates an
iterator over the elements of the array. *\n    public override operator fun iterator(): UIntIterator =
Iterator(storage)\n\n    private class Iterator(private val array: IntArray) : UIntIterator() {\n        private var index =
0\n        override fun hasNext() = index < array.size\n        override fun nextUInt() = if (index < array.size)
array[index++].toUInt() else throw NoSuchElementException(index.toString())\n    }\n\n    override fun
contains(element: UInt): Boolean {\n        // TODO: Eliminate this check after KT-30016 gets fixed.\n        //
Currently JS BE does not generate special bridge method for this method.\n        if ((element as Any?) !is UInt)
return false\n\n        return storage.contains(element.toInt())\n    }\n\n    override fun containsAll(elements:
Collection<UInt>): Boolean {\n        return (elements as Collection<*>).all { it is UInt &&
storage.contains(it.toInt()) }\n    }\n\n    override fun isEmpty(): Boolean = this.storage.size == 0\n\n}\n\n/**\n * Creates a new array of the specified [size], where each element is calculated by calling the specified\n * [init]
function.\n * *\n * The function [init] is called for each array element sequentially starting from the first one.\n * *\n * It
should return the value for an array element given its index.\n\n*\n\n@SinceKotlin("1.3")\n\n@ExperimentalUnsignedTypes\n\n@kotlin.internal.InlineOnly\n\npublic inline fun
UIntArray(size: Int, init: (Int) -> UInt): UIntArray {\n    return UIntArray(IntArray(size) { index ->
init(index).toInt()
})\n}\n\n@SinceKotlin("1.3")\n\n@ExperimentalUnsignedTypes\n\n@kotlin.internal.InlineOnly\n\npublic inline fun
uintArrayOf(vararg elements: UInt): UIntArray = elements\n", "/*\n * Copyright 2010-2019 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n *\n\n// Auto-generated file. DO NOT EDIT!\n\npackage
kotlin\n\n@SinceKotlin("1.3")\n\n@ExperimentalUnsignedTypes\n\npublic inline class
ULongArray\n\n@Suppress("NON_PUBLIC_PRIMARY_CONSTRUCTOR_OF_INLINE_CLASS")\n\n@Published
Api\n\ninternal constructor(@PublishedApi internal val storage: LongArray) : Collection<ULong> {\n\n    /** Creates
a new array of the specified [size], with all elements initialized to zero. *\n    public constructor(size: Int) :
this(LongArray(size))\n\n    /**\n    * Returns the array element at the given [index]. This method can be called
using the index operator.\n    *\n    * If the [index] is out of bounds of this array, throws an
[IndexOutOfBoundsExcepion] except in Kotlin/JS\n    * where the behavior is unspecified.\n    *\n    public
operator fun get(index: Int): ULong = storage[index].toULong()\n\n    /**\n    * Sets the element at the given
[index] to the given [value]. This method can be called using the index operator.\n    *\n    * If the [index] is out of
bounds of this array, throws an [IndexOutOfBoundsExcepion] except in Kotlin/JS\n    * where the behavior is
unspecified.\n    *\n    public operator fun set(index: Int, value: ULong) {\n        storage[index] = value.toLong()\n    }\n\n    /** Returns
the number of elements in the array. *\n    public override val size: Int get() = storage.size\n\n    /** Creates an
iterator over the elements of the array. *\n    public override operator fun iterator(): ULongIterator =
Iterator(storage)\n\n    private class Iterator(private val array: LongArray) : ULongIterator() {\n        private var
index = 0\n        override fun hasNext() = index < array.size\n        override fun nextULong() = if (index < array.size)
array[index++].toULong() else throw NoSuchElementException(index.toString())\n    }\n\n    override fun

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contains(element: ULong): Boolean {\n    // TODO: Eliminate this check after KT-30016 gets fixed.\n    //  
    Currently JS BE does not generate special bridge method for this method.\n    if ((element as Any?) !is ULong)  
    return false\n\n    return storage.contains(element.toLong())\n } \n\n override fun containsAll(elements:  
Collection<ULong>): Boolean {\n    return (elements as Collection<*>).all { it is ULong &&  
storage.contains(it.toLong()) } \n } \n\n override fun isEmpty(): Boolean = this.storage.size == 0\n}\n\n/**\n * Creates a new array of the specified [size], where each element is calculated by calling the specified  
function.\n * The function [init] is called for each array element sequentially starting from the first one.\n * It  
should return the value for an array element given its index.\n\n*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
ULongArray(size: Int, init: (Int) -> ULong): ULongArray {\n    return ULongArray(LongArray(size) { index ->  
init(index).toLong()  
})\n}\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
ulongArrayOf(vararg elements: ULong): ULongArray = elements\n", /*\n * Copyright 2010-2019 JetBrains s.r.o.  
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license  
that can be found in the license/LICENSE.txt file.\n */\n\n// Auto-generated file. DO NOT EDIT!\n\npackage  
kotlin\n\nimport  
kotlin.experimental.*\n\n@Suppress("NON_PUBLIC_PRIMARY_CONSTRUCTOR_OF_INLINE_CLASS")\n@  
SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic inline class ULong @PublishedApi internal  
constructor(@PublishedApi internal val data: Long) : Comparable<ULong> {\n\n    companion object {\n\n        /**\n         * A constant holding the minimum value an instance of ULong can have.\n         */\n        public const val  
MIN_VALUE: ULong = ULong(0)\n\n        /**\n         * A constant holding the maximum value an instance of  
ULong can have.\n         */\n        public const val MAX_VALUE: ULong = ULong(-1)\n\n        /**\n         * The  
number of bytes used to represent an instance of ULong in a binary form.\n         */\n        public const val  
SIZE_BYTES: Int = 8\n\n        /**\n         * The number of bits used to represent an instance of ULong in a binary  
form.\n         */\n        public const val SIZE_BITS: Int = 64\n    }\n\n    /**\n     * Compares this value with the  
specified value for order.\n     * Returns zero if this value is equal to the specified other value, a negative number if  
it's less than other,\n     * or a positive number if it's greater than other.\n     */\n    @kotlin.internal.InlineOnly\n    public inline operator fun compareTo(other: UByte): Int = this.compareTo(other.toULong())\n\n    /**\n     *  
Compares this value with the specified value for order.\n     * Returns zero if this value is equal to the specified other  
value, a negative number if it's less than other,\n     * or a positive number if it's greater than other.\n     */\n    @kotlin.internal.InlineOnly\n    public inline operator fun compareTo(other: UShort): Int =  
this.compareTo(other.toULong())\n\n    /**\n     * Compares this value with the specified value for order.\n     *  
Returns zero if this value is equal to the specified other value, a negative number if it's less than other,\n     * or a  
positive number if it's greater than other.\n     */\n    @kotlin.internal.InlineOnly\n    public inline operator fun  
compareTo(other: UInt): Int = this.compareTo(other.toULong())\n\n    /**\n     * Compares this value with the  
specified value for order.\n     * Returns zero if this value is equal to the specified other value, a negative number if  
it's less than other,\n     * or a positive number if it's greater than other.\n     */\n    @kotlin.internal.InlineOnly\n    @  
Suppress("OVERRIDE_BY_INLINE")\n    public override inline operator fun compareTo(other: ULong): Int =  
ulongCompare(this.data, other.data)\n\n    /** Adds the other value to this value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun plus(other: UByte): ULong = this.plus(other.toULong())\n\n    /** Adds the other value to this value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun plus(other:  
UShort): ULong = this.plus(other.toULong())\n\n    /** Adds the other value to this value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun plus(other: UInt): ULong = this.plus(other.toULong())\n\n    /** Adds the other value to this value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun plus(other:  
ULong): ULong = ULong(this.data.plus(other.data))\n\n    /** Subtracts the other value from this value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun minus(other: UByte): ULong =  
this.minus(other.toULong())\n\n    /** Subtracts the other value from this value. */\n    @kotlin.internal.InlineOnly\n    public inline operator fun minus(other: UShort): ULong = this.minus(other.toULong())\n\n    /** Subtracts the other

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value from this value. */n @kotlin.internal.InlineOnly\n public inline operator fun minus(other: UInt): ULong =
this.minus(other.toULong())\n /** Subtracts the other value from this value. */n @kotlin.internal.InlineOnly\n
public inline operator fun minus(other: ULong): ULong = ULong(this.data.minus(other.data))\n\n /** Multiplies
this value by the other value. */n @kotlin.internal.InlineOnly\n public inline operator fun times(other: UByte):
ULong = this.times(other.toULong())\n /** Multiplies this value by the other value. */n
@kotlin.internal.InlineOnly\n public inline operator fun times(other: UShort): ULong =
this.times(other.toULong())\n /** Multiplies this value by the other value. */n @kotlin.internal.InlineOnly\n
public inline operator fun times(other: UInt): ULong = this.times(other.toULong())\n /** Multiplies this value by
the other value. */n @kotlin.internal.InlineOnly\n public inline operator fun times(other: ULong): ULong =
ULong(this.data.times(other.data))\n\n /** Divides this value by the other value. */n
@kotlin.internal.InlineOnly\n public inline operator fun div(other: UByte): ULong = this.div(other.toULong())\n
/** Divides this value by the other value. */n @kotlin.internal.InlineOnly\n public inline operator fun div(other:
UShort): ULong = this.div(other.toULong())\n /** Divides this value by the other value. */n
@kotlin.internal.InlineOnly\n public inline operator fun div(other: UInt): ULong = this.div(other.toULong())\n
/** Divides this value by the other value. */n @kotlin.internal.InlineOnly\n public inline operator fun div(other:
ULong): ULong = ulongDivide(this, other)\n\n /** Calculates the remainder of dividing this value by the other
value. */n @kotlin.internal.InlineOnly\n public inline operator fun rem(other: UByte): ULong =
this.rem(other.toULong())\n /** Calculates the remainder of dividing this value by the other value. */n
@kotlin.internal.InlineOnly\n public inline operator fun rem(other: UShort): ULong = this.rem(other.toULong())\n
/** Calculates the remainder of dividing this value by the other value. */n @kotlin.internal.InlineOnly\n public
inline operator fun rem(other: UInt): ULong = this.rem(other.toULong())\n /** Calculates the remainder of
dividing this value by the other value. */n @kotlin.internal.InlineOnly\n public inline operator fun rem(other:
ULong): ULong = ulongRemainder(this, other)\n\n /** Increments this value. */n @kotlin.internal.InlineOnly\n
public inline operator fun inc(): ULong = ULong(data.inc())\n /** Decrements this value. */n
@kotlin.internal.InlineOnly\n public inline operator fun dec(): ULong = ULong(data.dec())\n\n /** Creates a
range from this value to the specified [other] value. */n @kotlin.internal.InlineOnly\n public inline operator fun
rangeTo(other: ULong): ULongRange = ULongRange(this, other)\n\n /** Shifts this value left by the [bitCount]
number of bits. */n @kotlin.internal.InlineOnly\n public inline infix fun shl(bitCount: Int): ULong =
ULong(data shl bitCount)\n\n /** Shifts this value right by the [bitCount] number of bits, filling the leftmost bits
with zeros. */n @kotlin.internal.InlineOnly\n public inline infix fun shr(bitCount: Int): ULong = ULong(data
ushr bitCount)\n\n /** Performs a bitwise AND operation between the two values. */n
@kotlin.internal.InlineOnly\n public inline infix fun and(other: ULong): ULong = ULong(this.data and
other.data)\n\n /** Performs a bitwise OR operation between the two values. */n @kotlin.internal.InlineOnly\n
public inline infix fun or(other: ULong): ULong = ULong(this.data or other.data)\n\n /** Performs a bitwise XOR
operation between the two values. */n @kotlin.internal.InlineOnly\n public inline infix fun xor(other: ULong):
ULong = ULong(this.data xor other.data)\n\n /** Inverts the bits in this value. */n @kotlin.internal.InlineOnly\n
public inline fun inv(): ULong = ULong(data.inv())\n\n /**\n * Converts this [ULong] value to [Byte].\n * \n
* If this value is less than or equals to [Byte.MAX_VALUE], the resulting `Byte` value represents\n * the same
numerical value as this `ULong`.\n * \n
* The resulting `Byte` value is represented by the least significant 8 bits
of this `ULong` value.\n * \n
* Note that the resulting `Byte` value may be negative.\n */n
@kotlin.internal.InlineOnly\n public inline fun toByte(): Byte = data.toByte()\n\n /**\n * Converts this [ULong]
value to [Short].\n * \n
* If this value is less than or equals to [Short.MAX_VALUE], the resulting `Short` value
represents\n * the same numerical value as this `ULong`.\n * \n
* The resulting `Short` value is represented
by the least significant 16 bits of this `ULong` value.\n * \n
* Note that the resulting `Short` value may be negative.\n */n
@kotlin.internal.InlineOnly\n public inline fun toShort(): Short = data.toShort()\n\n /**\n * Converts this
[ULong] value to [Int].\n * \n
* If this value is less than or equals to [Int.MAX_VALUE], the resulting `Int`
value represents\n * the same numerical value as this `ULong`.\n * \n
* The resulting `Int` value is
represented by the least significant 32 bits of this `ULong` value.\n * \n
* Note that the resulting `Int` value may be

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negative.\n    *\n    @kotlin.internal.InlineOnly\n    public inline fun toInt(): Int = data.toInt()\n    /**\n     *
Converts this [ULong] value to [Long].\n    *\n     * If this value is less than or equals to [Long.MAX_VALUE], the
resulting `Long` value represents\n    *\n     * the same numerical value as this `ULong`. Otherwise the result is
negative.\n    *\n     * The resulting `Long` value has the same binary representation as this `ULong` value.\n    */\n\n    @kotlin.internal.InlineOnly\n    public inline fun toLong(): Long = data\n    /**\n     * Converts this [ULong]
value to [UByte].\n    *\n     * If this value is less than or equals to [UByte.MAX_VALUE], the resulting `UByte`
value represents\n    *\n     * the same numerical value as this `ULong`.\n    *\n     * The resulting `UByte` value is
represented by the least significant 8 bits of this `ULong` value.\n    */\n\n    @kotlin.internal.InlineOnly\n    public
inline fun toUByte(): UByte = data.toUByte()\n    /**\n     * Converts this [ULong] value to [UShort].\n    *\n     * If
this value is less than or equals to [UShort.MAX_VALUE], the resulting `UShort` value represents\n    *\n     * the same
numerical value as this `ULong`.\n    *\n     * The resulting `UShort` value is represented by the least significant 16
bits of this `ULong` value.\n    */\n\n    @kotlin.internal.InlineOnly\n    public inline fun toUShort(): UShort =
data.toUShort()\n    /**\n     * Converts this [ULong] value to [UInt].\n    *\n     * If this value is less than or equals
to [UInt.MAX_VALUE], the resulting `UInt` value represents\n    *\n     * the same numerical value as this `ULong`.\n    *\n     * The resulting `UInt` value is represented by the least significant 32 bits of this `ULong` value.\n    */\n\n    @kotlin.internal.InlineOnly\n    public inline fun toUInt(): UInt = data.toUInt()\n    /** Returns this value. */\n\n    @kotlin.internal.InlineOnly\n    public inline fun toULong(): ULong = this\n    /**\n     * Converts this [ULong]
value to [Float].\n    *\n     * The resulting value is the closest `Float` to this `ULong` value.\n    *\n     * In case when this
`ULong` value is exactly between two `Float`s,\n    *\n     * the one with zero at least significant bit of mantissa is
selected.\n    */\n\n    @kotlin.internal.InlineOnly\n    public inline fun toFloat(): Float = this.toDouble().toFloat()\n
    /**\n     * Converts this [ULong] value to [Double].\n    *\n     * The resulting value is the closest `Double` to this
`ULong` value.\n    *\n     * In case when this `ULong` value is exactly between two `Double`s,\n    *\n     * the one with zero at
least significant bit of mantissa is selected.\n    */\n\n    @kotlin.internal.InlineOnly\n    public inline fun toDouble():
Double = ulongToDouble(data)\n\n    public override fun toString(): String = ulongToString(data)\n\n    /**\n     *
Converts this [Byte] value to [ULong].\n    *\n     * If this value is positive, the resulting `ULong` value represents the
same numerical value as this `Byte`.\n    *\n     * The least significant 8 bits of the resulting `ULong` value are the same
as the bits of this `Byte` value,\n    *\n     * whereas the most significant 56 bits are filled with the sign bit of this value.\n    */\n\n    @SinceKotlin("1.3")\n    @ExperimentalUnsignedTypes\n    @kotlin.internal.InlineOnly\n    public inline fun
Byte.toULong(): ULong = ULong(this.toLong())\n    /**\n     * Converts this [Short] value to [ULong].\n    *\n     * If this
value is positive, the resulting `ULong` value represents the same numerical value as this `Short`.\n    *\n     * The least
significant 16 bits of the resulting `ULong` value are the same as the bits of this `Short` value,\n    *\n     * whereas the most
significant 48 bits are filled with the sign bit of this value.\n    */\n\n    @SinceKotlin("1.3")\n    @ExperimentalUnsignedTypes\n    @kotlin.internal.InlineOnly\n    public inline fun
Short.toULong(): ULong = ULong(this.toLong())\n    /**\n     * Converts this [Int] value to [ULong].\n    *\n     * If this value
is positive, the resulting `ULong` value represents the same numerical value as this `Int`.\n    *\n     * The least
significant 32 bits of the resulting `ULong` value are the same as the bits of this `Int` value,\n    *\n     * whereas the most
significant 32 bits are filled with the sign bit of this value.\n    */\n\n    @SinceKotlin("1.3")\n    @ExperimentalUnsignedTypes\n    @kotlin.internal.InlineOnly\n    public inline fun
Int.toULong(): ULong = ULong(this.toLong())\n    /**\n     * Converts this [Long] value to [ULong].\n    *\n     * If this value
is positive, the resulting `ULong` value represents the same numerical value as this `Long`.\n    *\n     * The resulting
`ULong` value has the same binary representation as this `Long` value.\n    */\n\n    @SinceKotlin("1.3")\n    @ExperimentalUnsignedTypes\n    @kotlin.internal.InlineOnly\n    public inline fun
Long.toULong(): ULong = ULong(this)\n    /**\n     * Converts this [Float] value to [ULong].\n    *\n     * The fractional
part, if any, is rounded down towards zero.\n    *\n     * Returns zero if this `Float` value is negative or `NaN`,
[ULong.MAX_VALUE] if it's bigger than `ULong.MAX_VALUE`.\n    */\n\n    @SinceKotlin("1.3")\n    @ExperimentalUnsignedTypes\n    @kotlin.internal.InlineOnly\n    public inline fun
Float.toULong(): ULong = doubleToULong(this.toDouble())\n    /**\n     * Converts this [Double] value to [ULong].\n    *\n     * The fractional
part, if any, is rounded down towards zero.\n    *\n     * Returns zero if this `Double` value is negative or

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`NaN`, [ULong.MAX_VALUE] if it's bigger than `ULong.MAX_VALUE`.
*/@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
Double.toULong(): ULong = doubleToULong(this)"/**\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\n// Auto-generated file. DO NOT EDIT!\n\npackage
kotlin\n\n@SinceKotlin("1.3")@ExperimentalUnsignedTypes\npublic inline class
UShortArray\n@Suppress("NON_PUBLIC_PRIMARY_CONSTRUCTOR_OF_INLINE_CLASS")\n@Published
Api\ninternal constructor(@PublishedApi internal val storage: ShortArray) : Collection<UShort> {\n\n /**
Creates a new array of the specified [size], with all elements initialized to zero. */\n public constructor(size: Int) :
this(ShortArray(size))\n\n /**\n * Returns the array element at the given [index]. This method can be called
using the index operator.\n * If the [index] is out of bounds of this array, throws an
[IndexOutOfBoundsException] except in Kotlin/JS\n * where the behavior is unspecified.\n */\n public
operator fun get(index: Int): UShort = storage[index].toUShort()\n\n /**\n * Sets the element at the given
[index] to the given [value]. This method can be called using the index operator.\n * If the [index] is out of
bounds of this array, throws an [IndexOutOfBoundsException] except in Kotlin/JS\n * where the behavior is
unspecified.\n */\n public operator fun set(index: Int, value: UShort) {\n storage[index] = value.toShort()\n
}\n\n /** Returns the number of elements in the array. */\n public override val size: Int get() = storage.size\n\n
/** Creates an iterator over the elements of the array. */\n public override operator fun iterator(): UShortIterator =
Iterator(storage)\n\n private class Iterator(private val array: ShortArray) : UShortIterator() {\n private var
index = 0\n override fun hasNext() = index < array.size\n override fun nextUShort() = if (index <
array.size) array[index++].toUShort() else throw NoSuchElementException(index.toString())\n }\n\n override
fun contains(element: UShort): Boolean {\n // TODO: Eliminate this check after KT-30016 gets fixed.\n //
Currently JS BE does not generate special bridge method for this method.\n if ((element as Any?) !is UShort)
return false\n\n return storage.contains(element.toShort())\n }\n\n override fun containsAll(elements:
Collection<UShort>): Boolean {\n return (elements as Collection<*>).all { it is UShort &&
storage.contains(it.toShort()) }\n }\n\n override fun isEmpty(): Boolean = this.storage.size == 0}\n\n/**\n *
Creates a new array of the specified [size], where each element is calculated by calling the specified\n * [init]
function.\n * The function [init] is called for each array element sequentially starting from the first one.\n * It
should return the value for an array element given its index.\n
*/\n\n@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
UShortArray(size: Int, init: (Int) -> UShort): UShortArray {\n return UShortArray(ShortArray(size) { index ->
init(index).toShort()
})\n}\n\n@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline fun
ushortArrayOf(vararg elements: UShort): UShortArray = elements"/**\n * Copyright 2010-2019 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("UArraysKt")\n@file:kotlin.jvm.JvmPacka
geName("kotlin.collections.unsigned")\n\npackage kotlin.collections\n\n// NOTE: THIS FILE IS AUTO-
GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\nimport
kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Returns 1st *element* from the collection.\n
*/\n\n@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline operator fun
UIntArray.component1(): UInt {\n return get(0)\n}\n\n/**\n * Returns 1st *element* from the collection.\n
*/\n\n@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline operator fun
ULongArray.component1(): ULong {\n return get(0)\n}\n\n/**\n * Returns 1st *element* from the collection.\n
*/\n\n@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline operator fun
UByteArray.component1(): UByte {\n return get(0)\n}\n\n/**\n * Returns 1st *element* from the collection.\n
*/\n\n@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly\npublic inline operator fun

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UShortArray.component1(): UShort { \n return get(0)\n}\n\n/**\n * Returns 2nd *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

UIntArray.component2(): UInt { \n return get(1)\n}\n\n/**\n * Returns 2nd *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

ULongArray.component2(): ULong { \n return get(1)\n}\n\n/**\n * Returns 2nd *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

UByteArray.component2(): UByte { \n return get(1)\n}\n\n/**\n * Returns 2nd *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

UShortArray.component2(): UShort { \n return get(1)\n}\n\n/**\n * Returns 3rd *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

UIntArray.component3(): UInt { \n return get(2)\n}\n\n/**\n * Returns 3rd *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

ULongArray.component3(): ULong { \n return get(2)\n}\n\n/**\n * Returns 3rd *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

UByteArray.component3(): UByte { \n return get(2)\n}\n\n/**\n * Returns 3rd *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

UShortArray.component3(): UShort { \n return get(2)\n}\n\n/**\n * Returns 4th *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

UIntArray.component4(): UInt { \n return get(3)\n}\n\n/**\n * Returns 4th *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

ULongArray.component4(): ULong { \n return get(3)\n}\n\n/**\n * Returns 4th *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

UByteArray.component4(): UByte { \n return get(3)\n}\n\n/**\n * Returns 4th *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

UShortArray.component4(): UShort { \n return get(3)\n}\n\n/**\n * Returns 5th *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

UIntArray.component5(): UInt { \n return get(4)\n}\n\n/**\n * Returns 5th *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

ULongArray.component5(): ULong { \n return get(4)\n}\n\n/**\n * Returns 5th *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

UByteArray.component5(): UByte { \n return get(4)\n}\n\n/**\n * Returns 5th *element* from the collection.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun

UShortArray.component5(): UShort { \n return get(4)\n}\n\n/**\n * Returns an element at the given [index] or
throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAt\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic expect fun UIntArray.elementAt(index: Int):
UInt\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.\n * \n * @sample samples.collections.Collections.Elements.elementAt\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic expect fun ULongArray.elementAt(index: Int):
ULong\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index]
is out of bounds of this array.\n * \n * @sample samples.collections.Collections.Elements.elementAt\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic expect fun UByteArray.elementAt(index: Int):
UByte\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index]
is out of bounds of this array.\n * \n * @sample samples.collections.Collections.Elements.elementAt\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic expect fun UShortArray.elementAt(index: Int):
UShort\n\n/**\n * Returns an element at the given [index] or the result of calling the [defaultValue] function if the
[index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrElse\n


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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.elementAtOrElse(index: Int, defaultValue: (Int) -> UInt): UInt {\n  return if (index >= 0 && index <=
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of
calling the [defaultValue] function if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrElse\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.elementAtOrElse(index: Int, defaultValue: (Int) -> ULong): ULong {\n  return if (index >= 0 &&
index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the
result of calling the [defaultValue] function if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrElse\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.elementAtOrElse(index: Int, defaultValue: (Int) -> UByte): UByte {\n  return if (index >= 0 && index
<= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result
of calling the [defaultValue] function if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrElse\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.elementAtOrElse(index: Int, defaultValue: (Int) -> UShort): UShort {\n  return if (index >= 0 &&
index <= lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or
`null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.elementAtOrNull(index: Int): UInt? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns an element
at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.elementAtOrNull(index: Int): ULong? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns an
element at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.elementAtOrNull(index: Int): UByte? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns an
element at the given [index] or `null` if the [index] is out of bounds of this array.\n * \n * @sample
samples.collections.Collections.Elements.elementAtOrNull\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.elementAtOrNull(index: Int): UShort? {\n  return this.getOrNull(index)\n}\n\n/**\n * Returns the
first element matching the given [predicate], or `null` if no such element was found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.find(predicate: (UInt) -> Boolean): UInt? {\n  return firstOrNull(predicate)\n}\n\n/**\n * Returns the
first element matching the given [predicate], or `null` if no such element was found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.find(predicate: (ULong) -> Boolean): ULong? {\n  return firstOrNull(predicate)\n}\n\n/**\n *
Returns the first element matching the given [predicate], or `null` if no such element was found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.find(predicate: (UByte) -> Boolean): UByte? {\n  return firstOrNull(predicate)\n}\n\n/**\n * Returns
the first element matching the given [predicate], or `null` if no such element was found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.find(predicate: (UShort) -> Boolean): UShort? {\n  return firstOrNull(predicate)\n}\n\n/**\n *
Returns the last element matching the given [predicate], or `null` if no such element was found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun

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UIntArray.findLast(predicate: (UInt) -> Boolean): UInt? {\n  return lastOrNull(predicate)\n}\n\n/**\n * Returns the last element matching the given [predicate], or `null` if no such element was found.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.findLast(predicate: (ULong) -> Boolean): ULong? {\n  return lastOrNull(predicate)\n}\n\n/**\n * Returns the last element matching the given [predicate], or `null` if no such element was found.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.findLast(predicate: (UByte) -> Boolean): UByte? {\n  return lastOrNull(predicate)\n}\n\n/**\n * Returns the last element matching the given [predicate], or `null` if no such element was found.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.findLast(predicate: (UShort) -> Boolean): UShort? {\n  return lastOrNull(predicate)\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException] if the array is empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.first(): UInt {\n  return storage.first().toUInt()\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException] if the array is empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.first(): ULong {\n  return storage.first().toULong()\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException] if the array is empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.first(): UByte {\n  return storage.first().toUByte()\n}\n\n/**\n * Returns first element.\n * @throws [NoSuchElementException] if the array is empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.first(): UShort {\n  return storage.first().toUShort()\n}\n\n/**\n * Returns the first element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.first(predicate: (UInt) -> Boolean): UInt {\n  for (element in this) if (predicate(element)) return element\n  throw NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the first element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.first(predicate: (ULong) -> Boolean): ULong {\n  for (element in this) if (predicate(element)) return element\n  throw NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the first element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.first(predicate: (UByte) -> Boolean): UByte {\n  for (element in this) if (predicate(element)) return element\n  throw NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the first element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.first(predicate: (UShort) -> Boolean): UShort {\n  for (element in this) if (predicate(element)) return element\n  throw NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the first element, or `null` if the array is empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.firstOrNull(): UInt? {\n  return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first element, or `null` if the array is empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.firstOrNull(): ULong? {\n  return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first element, or `null` if the array is empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.firstOrNull(): UByte? {\n  return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first element, or `null` if the array is empty.\n */

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.firstOrNull(): UShort? {\n
return if (isEmpty()) null else this[0]\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if\n
element was not found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n
UIntArray.firstOrNull(predicate: (UInt) -> Boolean): UInt? {\n  for (element in this) if (predicate(element)) return\n
element\n  return null\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if element\n
was not found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic\n
inline fun ULongArray.firstOrNull(predicate: (ULong) -> Boolean): ULong? {\n  for (element in this) if\n
(predicate(element)) return element\n  return null\n}\n\n/**\n * Returns the first element matching the given\n
[predicate], or `null` if element was not found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n
UByteArray.firstOrNull(predicate: (UByte) -> Boolean): UByte? {\n  for (element in this) if (predicate(element))\n
return element\n  return null\n}\n\n/**\n * Returns the first element matching the given [predicate], or `null` if\n
element was not found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n
UShortArray.firstOrNull(predicate: (UShort) -> Boolean): UShort? {\n  for (element in this) if (predicate(element))\n
return element\n  return null\n}\n\n/**\n * Returns an element at the given [index] or the result of calling the\n
[defaultValue] function if the [index] is out of bounds of this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n
UIntArray.getOrNull(index: Int): UInt? {\n  return if (index >= 0 && index <=\n
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of\n
calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n
ULongArray.getOrNull(index: Int): ULong? {\n  return if (index >= 0 && index <=\n
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of\n
calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n
UByteArray.getOrNull(index: Int): UByte? {\n  return if (index >= 0 && index <=\n
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or the result of\n
calling the [defaultValue] function if the [index] is out of bounds of this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n
UShortArray.getOrNull(index: Int): UShort? {\n  return if (index >= 0 && index <=\n
lastIndex) get(index) else defaultValue(index)\n}\n\n/**\n * Returns an element at the given [index] or `null` if the\n
[index] is out of bounds of this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun\n
UIntArray.getOrNull(index: Int): UInt? {\n  return if (index >= 0 && index <= lastIndex) get(index) else\n
null\n}\n\n/**\n * Returns an element at the given [index] or `null` if the [index] is out of bounds of this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.getOrNull(index: Int):\n
ULong? {\n  return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at\n
the given [index] or `null` if the [index] is out of bounds of this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.getOrNull(index: Int): UByte?\n
{\n  return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns an element at the\n
given [index] or `null` if the [index] is out of bounds of this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.getOrNull(index: Int):\n
UShort? {\n  return if (index >= 0 && index <= lastIndex) get(index) else null\n}\n\n/**\n * Returns first index of\n
[element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n
UIntArray.indexOf(element: UInt): Int {\n  return storage.indexOf(element.toInt())\n}\n\n/**\n * Returns first\n
index of [element], or -1 if the array does not contain element.\n

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.indexOf(element: ULong): Int {\n  return storage.indexOf(element.toLong())\n}\n\n/**\n * Returns
first index of [element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.indexOf(element: UByte): Int {\n  return storage.indexOf(element.toByte())\n}\n\n/**\n * Returns
first index of [element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.indexOf(element: UShort): Int {\n  return storage.indexOf(element.toShort())\n}\n\n/**\n * Returns
index of the first element matching the given [predicate], or -1 if the array does not contain such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.indexOfFirst(predicate: (UInt) -> Boolean): Int {\n  return storage.indexOfFirst { predicate(it.toUInt())
}\n}\n\n/**\n * Returns index of the first element matching the given [predicate], or -1 if the array does not contain
such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic
inline fun ULongArray.indexOfFirst(predicate: (ULong) -> Boolean): Int {\n  return storage.indexOfFirst {
predicate(it.toULong()) }\n}\n\n/**\n * Returns index of the first element matching the given [predicate], or -1 if the
array does not contain such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.indexOfFirst(predicate: (UByte) -> Boolean): Int {\n  return storage.indexOfFirst {
predicate(it.toUByte()) }\n}\n\n/**\n * Returns index of the first element matching the given [predicate], or -1 if the
array does not contain such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.indexOfFirst(predicate: (UShort) -> Boolean): Int {\n  return storage.indexOfFirst {
predicate(it.toUShort()) }\n}\n\n/**\n * Returns index of the last element matching the given [predicate], or -1 if the
array does not contain such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.indexOfLast(predicate: (UInt) -> Boolean): Int {\n  return storage.indexOfLast { predicate(it.toUInt())
}\n}\n\n/**\n * Returns index of the last element matching the given [predicate], or -1 if the array does not contain
such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic
inline fun ULongArray.indexOfLast(predicate: (ULong) -> Boolean): Int {\n  return storage.indexOfLast {
predicate(it.toULong()) }\n}\n\n/**\n * Returns index of the last element matching the given [predicate], or -1 if the
array does not contain such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.indexOfLast(predicate: (UByte) -> Boolean): Int {\n  return storage.indexOfLast {
predicate(it.toUByte()) }\n}\n\n/**\n * Returns index of the last element matching the given [predicate], or -1 if the
array does not contain such element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.indexOfLast(predicate: (UShort) -> Boolean): Int {\n  return storage.indexOfLast {
predicate(it.toUShort()) }\n}\n\n/**\n * Returns the last element.\n * @throws [NoSuchElementException] if the
array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic
inline fun UIntArray.last(): UInt {\n  return storage.last().toUInt()\n}\n\n/**\n * Returns the last element.\n *
@throws [NoSuchElementException] if the array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.last(): ULong {\n  return storage.last().toULong()\n}\n\n/**\n * Returns the last element.\n *
@throws [NoSuchElementException] if the array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.last(): UByte {\n  return storage.last().toUByte()\n}\n\n/**\n * Returns the last element.\n *
@throws [NoSuchElementException] if the array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun

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UShortArray.last(): UShort {n  return storage.last().toUShort()\n}\n\n/**\n * Returns the last element matching
the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.last(predicate: (UInt) -> Boolean): UInt {n  for (index in this.indices.reversed()) {n    val element =
this[index]\n    if (predicate(element)) return element\n  }\n  throw NoSuchElementException("Array contains
no element matching the predicate.")\n}\n\n/**\n * Returns the last element matching the given [predicate].\n *
@throws [NoSuchElementException] if no such element is found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.last(predicate: (ULong) -> Boolean): ULong {n  for (index in this.indices.reversed()) {n    val
element = this[index]\n    if (predicate(element)) return element\n  }\n  throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the last
element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.last(predicate: (UByte) -> Boolean): UByte {n  for (index in this.indices.reversed()) {n    val
element = this[index]\n    if (predicate(element)) return element\n  }\n  throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns the last
element matching the given [predicate].\n * @throws [NoSuchElementException] if no such element is found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.last(predicate: (UShort) -> Boolean): UShort {n  for (index in this.indices.reversed()) {n    val
element = this[index]\n    if (predicate(element)) return element\n  }\n  throw
NoSuchElementException("Array contains no element matching the predicate.")\n}\n\n/**\n * Returns last index
of [element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.lastIndexOf(element: UInt): Int {n  return storage.lastIndexOf(element.toInt())\n}\n\n/**\n * Returns
last index of [element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.lastIndexOf(element: ULong): Int {n  return storage.lastIndexOf(element.toLong())\n}\n\n/**\n *
Returns last index of [element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.lastIndexOf(element: UByte): Int {n  return storage.lastIndexOf(element.toByte())\n}\n\n/**\n *
Returns last index of [element], or -1 if the array does not contain element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.lastIndexOf(element: UShort): Int {n  return storage.lastIndexOf(element.toShort())\n}\n\n/**\n *
Returns the last element, or `null` if the array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.lastOrNull(): UInt? {n  return
if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element, or `null` if the array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.lastOrNull(): ULong? {n  return
if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element, or `null` if the array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.lastOrNull(): UByte? {n  return
if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element, or `null` if the array is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.lastOrNull(): UShort? {n  return
if (isEmpty()) null else this[size - 1]\n}\n\n/**\n * Returns the last element matching the given [predicate], or
`null` if no such element was found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.lastOrNull(predicate: (UInt) -> Boolean): UInt? {n  for (index in this.indices.reversed()) {n    val
element = this[index]\n    if (predicate(element)) return element\n  }\n  return null\n}\n\n/**\n * Returns the last
element matching the given [predicate], or `null` if no such element was found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun

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ULongArray.lastOrNull(predicate: (ULong) -> Boolean): ULong? {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if (predicate(element)) return element\n  }\n  return null\n}\n\n/**\n * Returns the last element matching the given [predicate], or `null` if no such element was found.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nUByteArray.lastOrNull(predicate: (UByte) -> Boolean): UByte? {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if (predicate(element)) return element\n  }\n  return null\n}\n\n/**\n * Returns the last element matching the given [predicate], or `null` if no such element was found.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nUShortArray.lastOrNull(predicate: (UShort) -> Boolean): UShort? {\n  for (index in this.indices.reversed()) {\n    val element = this[index]\n    if (predicate(element)) return element\n  }\n  return null\n}\n\n/**\n * Returns a random element from this array.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nUIntArray.random(): UInt {\n  return random(Random)\n}\n\n/**\n * Returns a random element from this array.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nULongArray.random(): ULong {\n  return random(Random)\n}\n\n/**\n * Returns a random element from this array.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nUByteArray.random(): UByte {\n  return random(Random)\n}\n\n/**\n * Returns a random element from this array.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nUShortArray.random(): UShort {\n  return random(Random)\n}\n\n/**\n * Returns a random element from this array using the specified source of randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.random(random: Random): UInt {\n  if (isEmpty())\n    throw NoSuchElementException("Array is empty.")\n  return\n  get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.random(random: Random): ULong {\n  if (isEmpty())\n    throw NoSuchElementException("Array is empty.")\n  return\n  get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of randomness.\n * \n * @throws NoSuchElementException if this array is empty.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.random(random: Random): UByte {\n  if (isEmpty())\n    throw NoSuchElementException("Array is empty.")\n  return\n  get(random.nextInt(size))\n}\n\n/**\n * Returns a random element from this array using the specified source of randomness.\n * \n * @throws NoSuchElementException if this array is empty or has more than one element.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nUIntArray.single(): UInt {\n  return storage.single().toUInt()\n}\n\n/**\n * Returns the single element, or throws an exception if the array is empty or has more than one element.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nULongArray.single(): ULong {\n  return storage.single().toULong()\n}\n\n/**\n * Returns the single element, or throws an exception if the array is empty or has more than one element.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n\nUByteArray.single(): UByte {\n  return storage.single().toUByte()\n}\n\n/**\n * Returns the single element, or throws an exception if the array is empty or has more than one element.\n */

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.single(): UShort {\n    return storage.single().toUShort()\n}\n\n/**\n * Returns the single element
matching the given [predicate], or throws exception if there is no or more than one matching element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.single(predicate: (UInt) -> Boolean): UInt {\n    var single: UInt? = null\n    var found = false\n    for
(element in this) {\n        if (predicate(element)) {\n            if (found) throw IllegalArgumentException("Array
contains more than one matching element.")\n            single = element\n            found = true\n        }\n    }\n    if
(!found) throw NoSuchElementException("Array contains no element matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as UInt\n}\n\n/**\n * Returns the single element matching
the given [predicate], or throws exception if there is no or more than one matching element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.single(predicate: (ULong) -> Boolean): ULong {\n    var single: ULong? = null\n    var found = false\n
for (element in this) {\n        if (predicate(element)) {\n            if (found) throw IllegalArgumentException("Array
contains more than one matching element.")\n            single = element\n            found = true\n        }\n    }\n    if
(!found) throw NoSuchElementException("Array contains no element matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as ULong\n}\n\n/**\n * Returns the single element
matching the given [predicate], or throws exception if there is no or more than one matching element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.single(predicate: (UByte) -> Boolean): UByte {\n    var single: UByte? = null\n    var found = false\n
for (element in this) {\n        if (predicate(element)) {\n            if (found) throw IllegalArgumentException("Array
contains more than one matching element.")\n            single = element\n            found = true\n        }\n    }\n    if
(!found) throw NoSuchElementException("Array contains no element matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as UByte\n}\n\n/**\n * Returns the single element
matching the given [predicate], or throws exception if there is no or more than one matching element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.single(predicate: (UShort) -> Boolean): UShort {\n    var single: UShort? = null\n    var found = false\n
for (element in this) {\n        if (predicate(element)) {\n            if (found) throw IllegalArgumentException("Array
contains more than one matching element.")\n            single = element\n            found = true\n        }\n    }\n    if
(!found) throw NoSuchElementException("Array contains no element matching the predicate.")\n    @Suppress("UNCHECKED_CAST")\n    return single as UShort\n}\n\n/**\n * Returns single element, or `null` if
the array is empty or has more than one element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.singleOrNull(): UInt? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single element, or `null` if the array is empty or has more
than one element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
ULongArray.singleOrNull(): ULong? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single
element, or `null` if the array is empty or has more than one element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UByteArray.singleOrNull(): UByte? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns single
element, or `null` if the array is empty or has more than one element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UShortArray.singleOrNull(): UShort? {\n    return if (size == 1) this[0] else null\n}\n\n/**\n * Returns the single
element matching the given [predicate], or `null` if element was not found or more than one element was found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.singleOrNull(predicate: (UInt) -> Boolean): UInt? {\n    var single: UInt? = null\n    var found = false\n
for (element in this) {\n        if (predicate(element)) {\n            if (found) return null\n            single = element\n
found = true\n        }\n    }\n    if (!found) return null\n    return single\n}\n\n/**\n * Returns the single element
matching the given [predicate], or `null` if element was not found or more than one element was found.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.singleOrNull(predicate: (ULong) -> Boolean): ULong? {\n    var single: ULong? = null\n    var found

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= false\n for (element in this) {\n if (predicate(element)) {\n if (found) return null\n single =
element\n found = true\n }\n }\n if (!found) return null\n return single\n}\n\n/**\n * Returns the
single element matching the given [predicate], or `null` if element was not found or more than one element was
found.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
fun UByteArray.singleOrNull(predicate: (UByte) -> Boolean): UByte? {\n var single: UByte? = null\n var found
= false\n for (element in this) {\n if (predicate(element)) {\n if (found) return null\n single =
element\n found = true\n }\n }\n if (!found) return null\n return single\n}\n\n/**\n * Returns the
single element matching the given [predicate], or `null` if element was not found or more than one element was
found.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
fun UShortArray.singleOrNull(predicate: (UShort) -> Boolean): UShort? {\n var single: UShort? = null\n var
found = false\n for (element in this) {\n if (predicate(element)) {\n if (found) return null\n single
= element\n found = true\n }\n }\n if (!found) return null\n return single\n}\n\n/**\n * Returns a list
containing all elements except first [n] elements.\n */\n * @throws IllegalArgumentException if [n] is negative.\n */
\n * @sample samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.drop(n: Int): List<UInt> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n return takeLast((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except first [n] elements.\n */\n * @throws
IllegalArgumentException if [n] is negative.\n */\n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.drop(n: Int): List<ULong> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n return takeLast((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except first [n] elements.\n */\n * @throws
IllegalArgumentException if [n] is negative.\n */\n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.drop(n: Int): List<UByte> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n return takeLast((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except first [n] elements.\n */\n * @throws
IllegalArgumentException if [n] is negative.\n */\n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.drop(n: Int): List<UShort> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n return takeLast((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n */\n * @throws
IllegalArgumentException if [n] is negative.\n */\n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.dropLast(n: Int): List<UInt> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n */\n * @throws
IllegalArgumentException if [n] is negative.\n */\n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.dropLast(n: Int):
List<ULong> {\n require(n >= 0) { \"Requested element count $n is less than zero.\" }\n return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n */\n * @throws
IllegalArgumentException if [n] is negative.\n */\n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.dropLast(n: Int): List<UByte>
{\n require(n >= 0) { \"Requested element count $n is less than zero.\" }\n return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last [n] elements.\n */\n * @throws
IllegalArgumentException if [n] is negative.\n */\n * @sample

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samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.dropLast(n: Int):
List<UShort> {\n    require(n >= 0) { "Requested element count $n is less than zero." }\n    return take((size -
n).coerceAtLeast(0))\n}\n\n/**\n * Returns a list containing all elements except last elements that satisfy the given
[predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.dropLastWhile(predicate: (UInt) -> Boolean): List<UInt> {\n    for (index in lastIndex downTo 0) {\n
if (!predicate(this[index])) {\n        return take(index + 1)\n    }\n}\n    return emptyList()\n}\n\n/**\n *
Returns a list containing all elements except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.dropLastWhile(predicate: (ULong) -> Boolean): List<ULong> {\n    for (index in lastIndex downTo 0)
{\n    if (!predicate(this[index])) {\n        return take(index + 1)\n    }\n}\n    return emptyList()\n}\n\n/**\n *
Returns a list containing all elements except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.dropLastWhile(predicate: (UByte) -> Boolean): List<UByte> {\n    for (index in lastIndex downTo 0)
{\n    if (!predicate(this[index])) {\n        return take(index + 1)\n    }\n}\n    return emptyList()\n}\n\n/**\n *
Returns a list containing all elements except last elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.dropLastWhile(predicate: (UShort) -> Boolean): List<UShort> {\n    for (index in lastIndex downTo
0) {\n    if (!predicate(this[index])) {\n        return take(index + 1)\n    }\n}\n    return
emptyList()\n}\n\n/**\n * Returns a list containing all elements except first elements that satisfy the given
[predicate].\n * \n * @sample samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.dropWhile(predicate: (UInt) -> Boolean): List<UInt> {\n    var yielding = false\n    val list =
ArrayList<UInt>()\n    for (item in this)\n        if (yielding)\n            list.add(item)\n        else if (!predicate(item)) {\n
            list.add(item)\n            yielding = true\n        }\n    return list\n}\n\n/**\n * Returns a list containing all
elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.dropWhile(predicate: (ULong) -> Boolean): List<ULong> {\n    var yielding = false\n    val list =
ArrayList<ULong>()\n    for (item in this)\n        if (yielding)\n            list.add(item)\n        else if (!predicate(item))
{\n            list.add(item)\n            yielding = true\n        }\n    return list\n}\n\n/**\n * Returns a list containing all
elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.dropWhile(predicate: (UByte) -> Boolean): List<UByte> {\n    var yielding = false\n    val list =
ArrayList<UByte>()\n    for (item in this)\n        if (yielding)\n            list.add(item)\n        else if (!predicate(item))
{\n            list.add(item)\n            yielding = true\n        }\n    return list\n}\n\n/**\n * Returns a list containing all
elements except first elements that satisfy the given [predicate].\n * \n * @sample
samples.collections.Collections.Transformations.drop\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.dropWhile(predicate: (UShort) -> Boolean): List<UShort> {\n    var yielding = false\n    val list =
ArrayList<UShort>()\n    for (item in this)\n        if (yielding)\n            list.add(item)\n        else if (!predicate(item))
{\n            list.add(item)\n            yielding = true\n        }\n    return list\n}\n\n/**\n * Returns a list containing only
elements matching the given [predicate].\n

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.filter(predicate: (UInt) -> Boolean): List<UInt> {\n  return filterTo(ArrayList<UInt>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.filter(predicate: (ULong) -> Boolean): List<ULong> {\n  return filterTo(ArrayList<ULong>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.filter(predicate: (UByte) -> Boolean): List<UByte> {\n  return filterTo(ArrayList<UByte>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.filter(predicate: (UShort) -> Boolean): List<UShort> {\n  return filterTo(ArrayList<UShort>(),
predicate)\n}\n\n/**\n * Returns a list containing only elements matching the given [predicate].\n * @param
[predicate] function that takes the index of an element and the element itself\n * and returns the result of predicate
evaluation on the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.filterIndexed(predicate: (index: Int, UInt) -> Boolean): List<UInt> {\n  return
filterIndexedTo(ArrayList<UInt>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.filterIndexed(predicate: (index: Int, ULong) -> Boolean): List<ULong> {\n  return
filterIndexedTo(ArrayList<ULong>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.filterIndexed(predicate: (index: Int, UByte) -> Boolean): List<UByte> {\n  return
filterIndexedTo(ArrayList<UByte>(), predicate)\n}\n\n/**\n * Returns a list containing only elements matching the
given [predicate].\n * @param [predicate] function that takes the index of an element and the element itself\n * and
returns the result of predicate evaluation on the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.filterIndexed(predicate: (index: Int, UShort) -> Boolean): List<UShort> {\n  return
filterIndexedTo(ArrayList<UShort>(), predicate)\n}\n\n/**\n * Appends all elements matching the given [predicate]
to the given [destination].\n * @param [predicate] function that takes the index of an element and the element
itself\n * and returns the result of predicate evaluation on the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UInt>> UIntArray.filterIndexedTo(destination: C, predicate: (index: Int, UInt) -> Boolean): C
{\n  forEachIndexed { index, element ->\n    if (predicate(index, element)) destination.add(element)\n  }\n  return destination\n}\n\n/**\n * Appends all elements matching the given [predicate] to the given [destination].\n *
@param [predicate] function that takes the index of an element and the element itself\n * and returns the result of
predicate evaluation on the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in ULong>> ULongArray.filterIndexedTo(destination: C, predicate: (index: Int, ULong) ->
Boolean): C {\n  forEachIndexed { index, element ->\n    if (predicate(index, element))
destination.add(element)\n  }\n  return destination\n}\n\n/**\n * Appends all elements matching the given
[predicate] to the given [destination].\n * @param [predicate] function that takes the index of an element and the
element itself\n * and returns the result of predicate evaluation on the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UByte>> UByteArray.filterIndexedTo(destination: C, predicate: (index: Int, UByte) ->

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Boolean): C { \n  forEachIndexed { index, element -> \n    if (predicate(index, element))
destination.add(element)\n  }\n  return destination\n}\n\n/**\n * Appends all elements matching the given
[predicate] to the given [destination].\n * @param [predicate] function that takes the index of an element and the
element itself\n * and returns the result of predicate evaluation on the element.\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UShort>> UShortArray.filterIndexedTo(destination: C, predicate: (index: Int, UShort) ->
Boolean): C { \n  forEachIndexed { index, element -> \n    if (predicate(index, element))
destination.add(element)\n  }\n  return destination\n}\n\n/**\n * Returns a list containing all elements not
matching the given [predicate].\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.filterNot(predicate: (UInt) -> Boolean): List<UInt> { \n  return filterNotTo(ArrayList<UInt>(),
predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the given [predicate].\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.filterNot(predicate: (ULong) -> Boolean): List<ULong> { \n  return filterNotTo(ArrayList<ULong>(),
predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the given [predicate].\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.filterNot(predicate: (UByte) -> Boolean): List<UByte> { \n  return filterNotTo(ArrayList<UByte>(),
predicate)\n}\n\n/**\n * Returns a list containing all elements not matching the given [predicate].\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.filterNot(predicate: (UShort) -> Boolean): List<UShort> { \n  return
filterNotTo(ArrayList<UShort>(), predicate)\n}\n\n/**\n * Appends all elements not matching the given [predicate]
to the given [destination].\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UInt>> UIntArray.filterNotTo(destination: C, predicate: (UInt) -> Boolean): C { \n  for
(element in this) if (!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all
elements not matching the given [predicate] to the given [destination].\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in ULong>> ULongArray.filterNotTo(destination: C, predicate: (ULong) -> Boolean): C { \n
for (element in this) if (!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends
all elements not matching the given [predicate] to the given [destination].\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UByte>> UByteArray.filterNotTo(destination: C, predicate: (UByte) -> Boolean): C { \n  for
(element in this) if (!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all
elements not matching the given [predicate] to the given [destination].\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UShort>> UShortArray.filterNotTo(destination: C, predicate: (UShort) -> Boolean): C { \n
for (element in this) if (!predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends
all elements matching the given [predicate] to the given [destination].\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UInt>> UIntArray.filterTo(destination: C, predicate: (UInt) -> Boolean): C { \n  for (element
in this) if (predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all elements
matching the given [predicate] to the given [destination].\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in ULong>> ULongArray.filterTo(destination: C, predicate: (ULong) -> Boolean): C { \n  for
(element in this) if (predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all
elements matching the given [predicate] to the given [destination].\n
*\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UByte>> UByteArray.filterTo(destination: C, predicate: (UByte) -> Boolean): C { \n  for

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(element in this) if (predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Appends all
elements matching the given [predicate] to the given [destination].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <C :
MutableCollection<in UShort>> UShortArray.filterTo(destination: C, predicate: (UShort) -> Boolean): C {\n  for
(element in this) if (predicate(element)) destination.add(element)\n  return destination\n}\n\n/**\n * Returns a list
containing elements at indices in the specified [indices] range.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.slice(indices: IntRange):
List<UInt> {\n  if (indices.isEmpty()) return listOf()\n  return copyOfRange(indices.start, indices.endInclusive +
1).asList()\n}\n\n/**\n * Returns a list containing elements at indices in the specified [indices] range.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.slice(indices: IntRange):
List<ULong> {\n  if (indices.isEmpty()) return listOf()\n  return copyOfRange(indices.start, indices.endInclusive +
1).asList()\n}\n\n/**\n * Returns a list containing elements at indices in the specified [indices] range.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.slice(indices: IntRange):
List<UByte> {\n  if (indices.isEmpty()) return listOf()\n  return copyOfRange(indices.start, indices.endInclusive +
1).asList()\n}\n\n/**\n * Returns a list containing elements at indices in the specified [indices] range.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.slice(indices: IntRange):
List<UShort> {\n  if (indices.isEmpty()) return listOf()\n  return copyOfRange(indices.start, indices.endInclusive +
1).asList()\n}\n\n/**\n * Returns a list containing elements at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.slice(indices: Iterable<Int>):
List<UInt> {\n  val size = indices.collectionSizeOrDefault(10)\n  if (size == 0) return emptyList()\n  val list =
ArrayList<UInt>(size)\n  for (index in indices) {\n    list.add(get(index))\n  }\n  return list\n}\n\n/**\n *
Returns a list containing elements at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.slice(indices: Iterable<Int>):
List<ULong> {\n  val size = indices.collectionSizeOrDefault(10)\n  if (size == 0) return emptyList()\n  val list =
ArrayList<ULong>(size)\n  for (index in indices) {\n    list.add(get(index))\n  }\n  return list\n}\n\n/**\n *
Returns a list containing elements at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.slice(indices: Iterable<Int>):
List<UByte> {\n  val size = indices.collectionSizeOrDefault(10)\n  if (size == 0) return emptyList()\n  val list =
ArrayList<UByte>(size)\n  for (index in indices) {\n    list.add(get(index))\n  }\n  return list\n}\n\n/**\n *
Returns a list containing elements at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.slice(indices: Iterable<Int>):
List<UShort> {\n  val size = indices.collectionSizeOrDefault(10)\n  if (size == 0) return emptyList()\n  val list =
ArrayList<UShort>(size)\n  for (index in indices) {\n    list.add(get(index))\n  }\n  return list\n}\n\n/**\n *
Returns an array containing elements of this array at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sliceArray(indices:
Collection<Int>): UIntArray {\n  return UIntArray(storage.sliceArray(indices))\n}\n\n/**\n * Returns an array
containing elements of this array at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sliceArray(indices:
Collection<Int>): ULongArray {\n  return ULongArray(storage.sliceArray(indices))\n}\n\n/**\n * Returns an array
containing elements of this array at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.sliceArray(indices:
Collection<Int>): UByteArray {\n  return UByteArray(storage.sliceArray(indices))\n}\n\n/**\n * Returns an array
containing elements of this array at specified [indices].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.sliceArray(indices:
Collection<Int>): UShortArray {\n  return UShortArray(storage.sliceArray(indices))\n}\n\n/**\n * Returns an
array containing elements at indices in the specified [indices] range.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sliceArray(indices: IntRange):
UIntArray {\n  return UIntArray(storage.sliceArray(indices))\n}\n\n/**\n * Returns an array containing elements at

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indices in the specified [indices] range.\n *^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
ULongArray.sliceArray(indices: IntRange): ULongArray {\n    return
ULongArray(storage.sliceArray(indices))\n}\n\n/**\n * Returns an array containing elements at indices in the
specified [indices] range.\n *^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UByteArray.sliceArray(indices: IntRange): UByteArray {\n    return
UByteArray(storage.sliceArray(indices))\n}\n\n/**\n * Returns an array containing elements at indices in the
specified [indices] range.\n *^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
UShortArray.sliceArray(indices: IntRange): UShortArray {\n    return
UShortArray(storage.sliceArray(indices))\n}\n\n/**\n * Returns a list containing first [n] elements.\n * \n *
@throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.take(n: Int): List<UInt> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    if (n >=
size) return toList()\n    if (n == 1) return listOf(this[0])\n    var count = 0\n    val list = ArrayList<UInt>(n)\n    for
(item in this) {\n        list.add(item)\n        if (++count == n)\n            break\n    }\n    return list\n}\n\n/**\n * Returns
a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.take(n: Int): List<ULong> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    if (n >=
size) return toList()\n    if (n == 1) return listOf(this[0])\n    var count = 0\n    val list = ArrayList<ULong>(n)\n    for
(item in this) {\n        list.add(item)\n        if (++count == n)\n            break\n    }\n    return list\n}\n\n/**\n * Returns
a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.take(n: Int): List<UByte> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    if (n >=
size) return toList()\n    if (n == 1) return listOf(this[0])\n    var count = 0\n    val list = ArrayList<UByte>(n)\n    for
(item in this) {\n        list.add(item)\n        if (++count == n)\n            break\n    }\n    return list\n}\n\n/**\n * Returns
a list containing first [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.take(n: Int): List<UShort> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    if (n >=
size) return toList()\n    if (n == 1) return listOf(this[0])\n    var count = 0\n    val list = ArrayList<UShort>(n)\n    for
(item in this) {\n        list.add(item)\n        if (++count == n)\n            break\n    }\n    return list\n}\n\n/**\n * Returns
a list containing last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.takeLast(n: Int): List<UInt> {\n
require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    val size =
size\n    if (n >= size) return toList()\n    if (n == 1) return listOf(this[size - 1])\n    val list = ArrayList<UInt>(n)\n
for (index in size - n until size)\n        list.add(this[index])\n    return list\n}\n\n/**\n * Returns a list containing last
[n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.takeLast(n: Int): List<ULong>
{\n    require(n >= 0) { \"Requested element count $n is less than zero.\" }\n    if (n == 0) return emptyList()\n    val
size = size\n    if (n >= size) return toList()\n    if (n == 1) return listOf(this[size - 1])\n    val list =
ArrayList<ULong>(n)\n    for (index in size - n until size)\n        list.add(this[index])\n    return list\n}\n\n/**\n *
Returns a list containing last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample
samples.collections.Collections.Transformations.take\n
*^n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.takeLast(n: Int): List<UByte>

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{\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return emptyList()\n  val size = size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list = ArrayList<UByte>(n)\n  for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n * Returns a list containing last [n] elements.\n * \n * @throws IllegalArgumentException if [n] is negative.\n * \n * @sample samples.collections.Collections.Transformations.take\n */\n@SinceKotlin(\"1.3\")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.takeLast(n: Int): List<UShort> {\n  require(n >= 0) { \"Requested element count $n is less than zero.\" }\n  if (n == 0) return emptyList()\n  val size = size\n  if (n >= size) return toList()\n  if (n == 1) return listOf(this[size - 1])\n  val list = ArrayList<UShort>(n)\n  for (index in size - n until size)\n    list.add(this[index])\n  return list\n}\n\n/**\n * Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n */\n@SinceKotlin(\"1.3\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UIntArray.takeLastWhile(predicate: (UInt) -> Boolean): List<UInt> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index]))\n      return drop(index + 1)\n  }\n  return toList()\n}\n\n/**\n * Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n */\n@SinceKotlin(\"1.3\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun ULongArray.takeLastWhile(predicate: (ULong) -> Boolean): List<ULong> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index]))\n      return drop(index + 1)\n  }\n  return toList()\n}\n\n/**\n * Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n */\n@SinceKotlin(\"1.3\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UByteArray.takeLastWhile(predicate: (UByte) -> Boolean): List<UByte> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index]))\n      return drop(index + 1)\n  }\n  return toList()\n}\n\n/**\n * Returns a list containing last elements satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n */\n@SinceKotlin(\"1.3\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UShortArray.takeLastWhile(predicate: (UShort) -> Boolean): List<UShort> {\n  for (index in lastIndex downTo 0) {\n    if (!predicate(this[index]))\n      return drop(index + 1)\n  }\n  return toList()\n}\n\n/**\n * Returns a list containing first elements satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n */\n@SinceKotlin(\"1.3\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UIntArray.takeWhile(predicate: (UInt) -> Boolean): List<UInt> {\n  val list = ArrayList<UInt>()\n  for (item in this) {\n    if (!predicate(item))\n      break\n    list.add(item)\n  }\n  return list\n}\n\n/**\n * Returns a list containing first elements satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n */\n@SinceKotlin(\"1.3\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun ULongArray.takeWhile(predicate: (ULong) -> Boolean): List<ULong> {\n  val list = ArrayList<ULong>()\n  for (item in this) {\n    if (!predicate(item))\n      break\n    list.add(item)\n  }\n  return list\n}\n\n/**\n * Returns a list containing first elements satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n */\n@SinceKotlin(\"1.3\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UByteArray.takeWhile(predicate: (UByte) -> Boolean): List<UByte> {\n  val list = ArrayList<UByte>()\n  for (item in this) {\n    if (!predicate(item))\n      break\n    list.add(item)\n  }\n  return list\n}\n\n/**\n * Returns a list containing first elements satisfying the given [predicate].\n * \n * @sample samples.collections.Collections.Transformations.take\n */\n@SinceKotlin(\"1.3\")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UShortArray.takeWhile(predicate: (UShort) -> Boolean): List<UShort> {\n  val list = ArrayList<UShort>()\n  for

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(item in this) {\n    if (!predicate(item))\n        break\n    list.add(item)\n }\n return list\n}\n\n/**\n * Reverses elements in the array in-place.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\nUIntArray.reverse(): Unit {\n    storage.reverse()\n}\n\n/**\n * Reverses elements in the array in-place.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\nULongArray.reverse(): Unit {\n    storage.reverse()\n}\n\n/**\n * Reverses elements in the array in-place.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\nUByteArray.reverse(): Unit {\n    storage.reverse()\n}\n\n/**\n * Returns a list with elements in reversed order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.reversed(): List<UInt> {\n    if\n    (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a\n    list with elements in reversed order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun\n    ULongArray.reversed(): List<ULong> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns a list with elements in reversed order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.reversed(): List<UByte> {\n    if\n    (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns\n    a list with elements in reversed order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun\n    UShortArray.reversed(): List<UShort> {\n    if (isEmpty()) return emptyList()\n    val list = toMutableList()\n    list.reverse()\n    return list\n}\n\n/**\n * Returns an array with elements of this array in reversed order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n    UIntArray.reversedArray(): UIntArray {\n    return UIntArray(storage.reversedArray())\n}\n\n/**\n * Returns an\n    array with elements of this array in reversed order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n    ULongArray.reversedArray(): ULongArray {\n    return ULongArray(storage.reversedArray())\n}\n\n/**\n * Returns an array with elements of this array in reversed order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n    UByteArray.reversedArray(): UByteArray {\n    return UByteArray(storage.reversedArray())\n}\n\n/**\n * Returns\n    an array with elements of this array in reversed order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\n    UShortArray.reversedArray(): UShortArray {\n    return UShortArray(storage.reversedArray())\n}\n\n/**\n * Sorts\n    elements in the array in-place descending according to their natural sort order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sortDescending(): Unit {\n    if\n    (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Sorts elements in the array in-place descending\n    according to their natural sort order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun\n    ULongArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Sorts\n    elements in the array in-place descending according to their natural sort order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.sortDescending(): Unit {\n    if\n    (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Sorts elements in the array in-place descending\n    according to their natural sort order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun\n    UShortArray.sortDescending(): Unit {\n    if (size > 1) {\n        sort()\n        reverse()\n    }\n}\n\n/**\n * Returns a\n    list of all elements sorted according to their natural sort order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sorted(): List<UInt> {\n    return\n    copyOf().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all elements sorted\n    according to their natural sort order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun\n    ULongArray.sorted():\n    List<ULong> {\n    return copyOf().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all elements sorted\n    according to their natural sort order.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun\n    UByteArray.sorted(): List<UByte> {\n    return copyOf().apply { sort() }.asList()\n}\n\n/**\n * Returns a list of all

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elements sorted according to their natural sort order.\n

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.sorted(): List<UShort> {\n    return copyOf().apply { sort() }.asList()\n}\n\n/**\n * Returns an array with all elements of this array sorted
```

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according to their natural sort order.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
```

```
UIntArray.sortedArray(): UIntArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of this array sorted according to their natural sort order.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sortedArray(): ULongArray
```

```
{\n    if (isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of this array sorted according to their natural sort order.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.sortedArray(): UShortArray
```

```
{\n    if (isEmpty()) return this\n    return this.copyOf().apply { sort() }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending according to their natural sort order.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sortedArrayDescending(): UIntArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending according to their natural sort order.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sortedArrayDescending(): ULongArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending according to their natural sort order.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.sortedArrayDescending(): UByteArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns an array with all elements of this array sorted descending according to their natural sort order.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.sortedArrayDescending(): UShortArray {\n    if (isEmpty()) return this\n    return this.copyOf().apply { sortDescending() }\n}\n\n/**\n * Returns a list of all elements sorted descending according to their natural sort order.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.sortedDescending(): List<UInt> {\n    return copyOf().apply { sort() }.reversed()\n}\n\n/**\n * Returns a list of all elements sorted descending according to their natural sort order.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.sortedDescending(): List<ULong> {\n    return copyOf().apply { sort() }.reversed()\n}\n\n/**\n * Returns a list of all elements sorted descending according to their natural sort order.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.sortedDescending(): List<UByte> {\n    return copyOf().apply { sort() }.reversed()\n}\n\n/**\n * Returns a list of all elements sorted descending according to their natural sort order.\n * \n * The sort is _stable_. It means that equal elements preserve their order relative to each other after sorting.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.sortedDescending(): List<UShort> {\n    return copyOf().apply { sort() }.reversed()\n}\n\n/**\n * Returns an array of type [ByteArray], which is a view of this array where each element is a signed reinterpretation\n * of the corresponding element of this array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UByteArray.asByteArray(): ByteArray {\n    return storage\n}\n\n/**\n * Returns an array of type [IntArray], which is a view of this array where each element is a signed reinterpretation\n * of the corresponding element of this array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UIntArray.asIntArray(): IntArray {\n    return storage\n}\n\n/**\n * Returns a [List] that wraps the original array.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic expect fun UIntArray.asList():
```



```

List<UInt>\n\n/**\n * Returns a [List] that wraps the original array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic expect fun ULongArray.asList():
List<ULong>\n\n/**\n * Returns a [List] that wraps the original array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic expect fun UByteArray.asList():
List<UByte>\n\n/**\n * Returns a [List] that wraps the original array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic expect fun UShortArray.asList():
List<UShort>\n\n/**\n * Returns an array of type [LongArray], which is a view of this array where each element is
a signed reinterpretation\n * of the corresponding element of this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.asLongArray(): LongArray {\n    return storage\n}\n\n/**\n * Returns an array of type [ShortArray],
which is a view of this array where each element is a signed reinterpretation\n * of the corresponding element of this
array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.asShortArray(): ShortArray {\n    return storage\n}\n\n/**\n * Returns an array of type [UByteArray],
which is a view of this array where each element is an unsigned reinterpretation\n * of the corresponding element of
this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
fun UByteArray.asUByteArray(): UByteArray {\n    return UByteArray(this)\n}\n\n/**\n * Returns an array of type
[UIntArray], which is a view of this array where each element is an unsigned reinterpretation\n * of the
corresponding element of this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
IntArray.asUIntArray(): UIntArray {\n    return UIntArray(this)\n}\n\n/**\n * Returns an array of type
[ULongArray], which is a view of this array where each element is an unsigned reinterpretation\n * of the
corresponding element of this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
LongArray.asULongArray(): ULongArray {\n    return ULongArray(this)\n}\n\n/**\n * Returns an array of type
[UShortArray], which is a view of this array where each element is an unsigned reinterpretation\n * of the
corresponding element of this array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ShortArray.asUShortArray(): UShortArray {\n    return UShortArray(this)\n}\n\n/**\n * Returns `true` if the two
specified arrays are *structurally* equal to one another,\n * i.e. contain the same number of the same elements in the
same order.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun
UIntArray.contentEquals(other: UIntArray): Boolean {\n    return storage.contentEquals(other.storage)\n}\n\n/**\n *
Returns `true` if the two specified arrays are *structurally* equal to one another,\n * i.e. contain the same number of
the same elements in the same order.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun
ULongArray.contentEquals(other: ULongArray): Boolean {\n    return
storage.contentEquals(other.storage)\n}\n\n/**\n * Returns `true` if the two specified arrays are *structurally* equal
to one another,\n * i.e. contain the same number of the same elements in the same order.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UByteArray.contentEquals(other:
UByteArray): Boolean {\n    return storage.contentEquals(other.storage)\n}\n\n/**\n * Returns `true` if the two
specified arrays are *structurally* equal to one another,\n * i.e. contain the same number of the same elements in the
same order.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun
UShortArray.contentEquals(other: UShortArray): Boolean {\n    return
storage.contentEquals(other.storage)\n}\n\n/**\n * Returns a hash code based on the contents of this array as if it is
[List].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.contentHashCode(): Int
{\n    return storage.contentHashCode()\n}\n\n/**\n * Returns a hash code based on the contents of this array as if it
is [List].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
ULongArray.contentHashCode(): Int {\n    return storage.contentHashCode()\n}\n\n/**\n * Returns a hash code
based on the contents of this array as if it is [List].\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.contentHashCode(): Int {\n

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return storage.contentHashCode()\n\n/**\n * Returns a hash code based on the contents of this array as if it is
[List].\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.contentHashCode():
Int {\n    return storage.contentHashCode()\n}\n\n/**\n * Returns a string representation of the contents of the
specified array as if it is [List].\n *\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.contentToString(): String {\n
return joinToString(", ", "[", "]")\n}\n\n/**\n * Returns a string representation of the contents of the specified
array as if it is [List].\n *\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.contentToString(): String {\n
return joinToString(", ", "[", "]")\n}\n\n/**\n * Returns a string representation of the contents of the specified
array as if it is [List].\n *\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.contentToString(): String {\n
return joinToString(", ", "[", "]")\n}\n\n/**\n * Returns a string representation of the contents of the specified
array as if it is [List].\n *\n * @sample samples.collections.Arrays.ContentOperations.contentToString\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.contentToString(): String {\n
return joinToString(", ", "[", "]")\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and
returns that array.\n *\n * It's allowed to pass the same array in the [destination] and even specify the subrange so
that it overlaps with the destination range.\n *\n * @param destination the array to copy to.\n * @param
destinationOffset the position in the [destination] array to copy to, 0 by default.\n * @param startIndex the
beginning (inclusive) of the subrange to copy, 0 by default.\n * @param endIndex the end (exclusive) of the
subrange to copy, size of this array by default.\n *\n * @throws IndexOutOfBoundsException or
[IllegalArgumentException] when [startIndex] or [endIndex] is out of range of this array indices or when `startIndex
> endIndex`.\n * @throws IndexOutOfBoundsException when the subrange doesn't fit into the [destination] array
starting at the specified [destinationOffset],\n * or when that index is out of the [destination] array indices
range.\n *\n * @return the [destination] array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.copyInto(destination: UIntArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size):
UIntArray {\n    storage.copyInto(destination.storage, destinationOffset, startIndex, endIndex)\n    return
destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n *\n
It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the
destination range.\n *\n * @param destination the array to copy to.\n * @param destinationOffset the position in the
[destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy,
0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n *\n
* @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of
range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the
subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index
is out of the [destination] array indices range.\n *\n * @return the [destination] array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.copyInto(destination: ULongArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size):
ULongArray {\n    storage.copyInto(destination.storage, destinationOffset, startIndex, endIndex)\n    return
destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n *\n
It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the
destination range.\n *\n * @param destination the array to copy to.\n * @param destinationOffset the position in the
[destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy,
0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n *\n
* @throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of
range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the
subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index
is out of the [destination] array indices range.\n *\n * @return the [destination] array.\n

```

```

*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.copyInto(destination: UByteArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int = size):
UByteArray {\n    storage.copyInto(destination.storage, destinationOffset, startIndex, endIndex)\n    return
destination\n}\n\n/**\n * Copies this array or its subrange into the [destination] array and returns that array.\n * \n *
It's allowed to pass the same array in the [destination] and even specify the subrange so that it overlaps with the
destination range.\n * \n * @param destination the array to copy to.\n * @param destinationOffset the position in the
[destination] array to copy to, 0 by default.\n * @param startIndex the beginning (inclusive) of the subrange to copy,
0 by default.\n * @param endIndex the end (exclusive) of the subrange to copy, size of this array by default.\n * \n *
@throws IndexOutOfBoundsException or [IllegalArgumentException] when [startIndex] or [endIndex] is out of
range of this array indices or when `startIndex > endIndex`.\n * @throws IndexOutOfBoundsException when the
subrange doesn't fit into the [destination] array starting at the specified [destinationOffset],\n * or when that index is
out of the [destination] array indices range.\n * \n * @return the [destination] array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.copyInto(destination: UShortArray, destinationOffset: Int = 0, startIndex: Int = 0, endIndex: Int =
size): UShortArray {\n    storage.copyInto(destination.storage, destinationOffset, startIndex, endIndex)\n    return
destination\n}\n\n/**\n * Returns new array which is a copy of the original array.\n * \n * @sample
samples.collections.Arrays.CopyOfOperations.copyOfOf\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.copyOfOf(): UIntArray {\n    return UIntArray(storage.copyOfOf())\n}\n\n/**\n * Returns new array which is
a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.copyOfOf(): ULongArray {\n    return ULongArray(storage.copyOfOf())\n}\n\n/**\n * Returns new array
which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.copyOfOf(): UByteArray {\n    return UByteArray(storage.copyOfOf())\n}\n\n/**\n * Returns new array
which is a copy of the original array.\n * \n * @sample samples.collections.Arrays.CopyOfOperations.copyOfOf\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.copyOfOf(): UShortArray {\n    return UShortArray(storage.copyOfOf())\n}\n\n/**\n * Returns new array
which is a copy of the original array, resized to the given [newSize].\n * The copy is either truncated or padded at
the end with zero values if necessary.\n * \n * - If [newSize] is less than the size of the original array, the copy array
is truncated to the [newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements in the
copy array are filled with zero values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.copyOfOf(newSize: Int): UIntArray {\n    return UIntArray(storage.copyOfOf(newSize))\n}\n\n/**\n *
Returns new array which is a copy of the original array, resized to the given [newSize].\n * The copy is either
truncated or padded at the end with zero values if necessary.\n * \n * - If [newSize] is less than the size of the
original array, the copy array is truncated to the [newSize].\n * - If [newSize] is greater than the size of the original
array, the extra elements in the copy array are filled with zero values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.copyOfOf(newSize: Int): ULongArray {\n    return ULongArray(storage.copyOfOf(newSize))\n}\n\n/**\n *
Returns new array which is a copy of the original array, resized to the given [newSize].\n * The copy is either
truncated or padded at the end with zero values if necessary.\n * \n * - If [newSize] is less than the size of the
original array, the copy array is truncated to the [newSize].\n * - If [newSize] is greater than the size of the original
array, the extra elements in the copy array are filled with zero values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.copyOfOf(newSize: Int): UByteArray {\n    return UByteArray(storage.copyOfOf(newSize))\n}\n\n/**\n *
Returns new array which is a copy of the original array, resized to the given [newSize].\n * The copy is either
truncated or padded at the end with zero values if necessary.\n * \n * - If [newSize] is less than the size of the

```

original array, the copy array is truncated to the [newSize].\n * - If [newSize] is greater than the size of the original array, the extra elements in the copy array are filled with zero values.\n

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UShortArray.copyOf(newSize: Int): UShortArray {\n    return UShortArray(storage.copyOf(newSize))\n}\n\n/**\n * Returns a new array which is a copy of the specified range of the original array.\n * \n * @param fromIndex the start of the range (inclusive), must be in `0..array.size`\n * @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UIntArray.copyOfRange(fromIndex: Int, toIndex: Int): UIntArray {\n    return  
UIntArray(storage.copyOfRange(fromIndex, toIndex))\n}\n\n/**\n * Returns a new array which is a copy of the specified range of the original array.\n * \n * @param fromIndex the start of the range (inclusive), must be in `0..array.size`\n * @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
ULongArray.copyOfRange(fromIndex: Int, toIndex: Int): ULongArray {\n    return  
ULongArray(storage.copyOfRange(fromIndex, toIndex))\n}\n\n/**\n * Returns a new array which is a copy of the specified range of the original array.\n * \n * @param fromIndex the start of the range (inclusive), must be in `0..array.size`\n * @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UByteArray.copyOfRange(fromIndex: Int, toIndex: Int): UByteArray {\n    return  
UByteArray(storage.copyOfRange(fromIndex, toIndex))\n}\n\n/**\n * Returns a new array which is a copy of the specified range of the original array.\n * \n * @param fromIndex the start of the range (inclusive), must be in `0..array.size`\n * @param toIndex the end of the range (exclusive), must be in `fromIndex..array.size`\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UShortArray.copyOfRange(fromIndex: Int, toIndex: Int): UShortArray {\n    return  
UShortArray(storage.copyOfRange(fromIndex, toIndex))\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param fromIndex the start of the range (inclusive), 0 by default.\n * @param toIndex the end of the range (exclusive), size of this array by default.\n * \n * @throws  
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.fill(element: UInt, fromIndex: Int = 0, toIndex: Int = size): Unit {\n    storage.fill(element.toInt(), fromIndex, toIndex)\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param fromIndex the start of the range (inclusive), 0 by default.\n * @param toIndex the end of the range (exclusive), size of this array by default.\n * \n * @throws  
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.fill(element: ULong, fromIndex: Int = 0, toIndex: Int = size): Unit {\n    storage.fill(element.toLong(), fromIndex, toIndex)\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param fromIndex the start of the range (inclusive), 0 by default.\n * @param toIndex the end of the range (exclusive), size of this array by default.\n * \n * @throws  
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.fill(element: UByte, fromIndex: Int = 0, toIndex: Int = size): Unit {\n    storage.fill(element.toByte(), fromIndex, toIndex)\n}\n\n/**\n * Fills this array or its subrange with the specified [element] value.\n * \n * @param fromIndex the start of the range (inclusive), 0 by default.\n * @param toIndex the end of the range (exclusive), size of this array by default.\n * \n * @throws  
IndexOutOfBoundsException if [fromIndex] is less than zero or [toIndex] is greater than the size of this array.\n * @throws IllegalArgumentException if [fromIndex] is greater than [toIndex].\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.fill(element: UShort,
```

```

fromIndex: Int = 0, toIndex: Int = size): Unit {
    storage.fill(element.toShort(), fromIndex, toIndex)
}

Returns the range of valid indices for the array.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public inline val UIntArray.indices: IntRange
    get() = storage.indices

Returns the range of valid indices for the array.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public inline val ULongArray.indices: IntRange
    get() = storage.indices

Returns the range of valid indices for the array.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public inline val UByteArray.indices: IntRange
    get() = storage.indices

Returns the range of valid indices for the array.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public inline val UShortArray.indices: IntRange
    get() = storage.indices

Returns the last valid index for the array.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public inline val UIntArray.lastIndex: Int
    get() = storage.lastIndex

Returns the last valid index for the array.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public inline val ULongArray.lastIndex: Int
    get() = storage.lastIndex

Returns the last valid index for the array.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public inline val UByteArray.lastIndex: Int
    get() = storage.lastIndex

Returns the last valid index for the array.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public inline val UShortArray.lastIndex: Int
    get() = storage.lastIndex

Returns an array containing all elements of the original array and then the given
[element].

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline
operator fun UIntArray.plus(element: UInt): UIntArray {
    return UIntArray(storage +
        element.toInt())

Returns an array containing all elements of the original array and then the given
[element].

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline
operator fun ULongArray.plus(element: ULong): ULongArray {
    return ULongArray(storage +
        element.toLong())

Returns an array containing all elements of the original array and then the given
[element].

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline
operator fun UByteArray.plus(element: UByte): UByteArray {
    return UByteArray(storage +
        element.toByte())

Returns an array containing all elements of the original array and then the given
[element].

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline
operator fun UShortArray.plus(element: UShort): UShortArray {
    return UShortArray(storage +
        element.toShort())

Returns an array containing all elements of the original array and then all elements
of the given [elements] collection.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public operator
fun UIntArray.plus(elements: Collection<UInt>): UIntArray {
    var index = size
    val result =
        storage.copyOf(size + elements.size)
    for (element in elements) result[index++] = element.toInt()
    return
        UIntArray(result)

Returns an array containing all elements of the original array and then all elements
of the given [elements] collection.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public operator
fun ULongArray.plus(elements: Collection<ULong>): ULongArray {
    var index = size
    val result =
        storage.copyOf(size + elements.size)
    for (element in elements) result[index++] = element.toLong()
    return
        ULongArray(result)

Returns an array containing all elements of the original array and then all
elements of the given [elements] collection.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public
operator fun UByteArray.plus(elements: Collection<UByte>): UByteArray {
    var index = size
    val result =
        storage.copyOf(size + elements.size)
    for (element in elements) result[index++] = element.toByte()
    return
        UByteArray(result)

Returns an array containing all elements of the original array and then all elements
of the given [elements] collection.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
public operator
fun UShortArray.plus(elements: Collection<UShort>): UShortArray {
    var index = size
    val result =
        storage.copyOf(size + elements.size)
    for (element in elements) result[index++] = element.toShort()
    return
        UShortArray(result)

Returns an array containing all elements of the original array and then all
elements of the given [elements] array.

@SinceKotlin("1.3")@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline operator fun

```

```

UIntArray.plus(elements: UIntArray): UIntArray {
    return UIntArray(storage + elements.storage)
}

Returns an array containing all elements of the original array and then all elements of the given [elements] array.

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly public inline operator fun
ULongArray.plus(elements: ULongArray): ULongArray {
    return ULongArray(storage +
elements.storage)
}

Returns an array containing all elements of the original array and then all elements
of the given [elements] array.

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly public inline operator fun
UByteArray.plus(elements: UByteArray): UByteArray {
    return UByteArray(storage +
elements.storage)
}

Returns an array containing all elements of the original array and then all elements
of the given [elements] array.

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly public inline operator fun
UShortArray.plus(elements: UShortArray): UShortArray {
    return UShortArray(storage +
elements.storage)
}

Sorts the array in-place.

@sample
samples.collections.Arrays.Sorting.sortArray

*SinceKotlin("1.3")ExperimentalUnsignedTypes public
fun UIntArray.sort(): Unit {
    if (size > 1) sortArray(this)
}

Sorts the array in-place.

@sample
samples.collections.Arrays.Sorting.sortArray

*SinceKotlin("1.3")ExperimentalUnsignedTypes public
fun ULongArray.sort(): Unit {
    if (size > 1) sortArray(this)
}

Sorts the array in-place.

@sample
samples.collections.Arrays.Sorting.sortArray

*SinceKotlin("1.3")ExperimentalUnsignedTypes public fun UByteArray.sort(): Unit {
    if (size > 1)
sortArray(this)
}

Sorts the array in-place.

@sample
samples.collections.Arrays.Sorting.sortArray

*SinceKotlin("1.3")ExperimentalUnsignedTypes public
fun UShortArray.sort(): Unit {
    if (size > 1) sortArray(this)
}

Returns an array of type [ByteArray],
which is a copy of this array where each element is a signed reinterpretation
of the corresponding element of this
array.

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly public inline fun
UByteArray.toByteArray(): ByteArray {
    return storage.copyOf()
}

Returns an array of type
[IntArray], which is a copy of this array where each element is a signed reinterpretation
of the corresponding
element of this array.

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly public inline fun
UIntArray.toIntArray(): IntArray {
    return storage.copyOf()
}

Returns an array of type [LongArray],
which is a copy of this array where each element is a signed reinterpretation
of the corresponding element of this
array.

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly public inline fun
ULongArray.toLongArray(): LongArray {
    return storage.copyOf()
}

Returns an array of type
[ShortArray], which is a copy of this array where each element is a signed reinterpretation
of the corresponding
element of this array.

*SinceKotlin("1.3")ExperimentalUnsignedTypes@kotlin.internal.InlineOnly public inline fun
UShortArray.toShortArray(): ShortArray {
    return storage.copyOf()
}

Returns a *typed* object array
containing all of the elements of this primitive array.

*SinceKotlin("1.3")ExperimentalUnsignedTypes public fun UIntArray.toTypedArray(): Array<UInt>
{
    return Array(size) { index -> this[index] }
}

Returns a *typed* object array containing all of the
elements of this primitive array.

*SinceKotlin("1.3")ExperimentalUnsignedTypes public fun
ULongArray.toTypedArray(): Array<ULong> {
    return Array(size) { index -> this[index] }
}

Returns a *typed* object array containing all of the elements of this primitive array.

*SinceKotlin("1.3")ExperimentalUnsignedTypes public fun UByteArray.toTypedArray():
Array<UByte> {
    return Array(size) { index -> this[index] }
}

Returns a *typed* object array
containing all of the elements of this primitive array.

*SinceKotlin("1.3")ExperimentalUnsignedTypes public fun UShortArray.toTypedArray():
Array<UShort> {
    return Array(size) { index -> this[index] }
}

Returns an array of UByte containing
all of the elements of this generic array.

*SinceKotlin("1.3")ExperimentalUnsignedTypes public fun

```

```

Array<out UByte>.toUByteArray(): UByteArray {
    return UByteArray(size) { index -> this[index] }
}

```

* Returns an array of type [UByteArray], which is a copy of this array where each element is an unsigned reinterpretation of the corresponding element of this array.

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun
ByteArray.toUByteArray(): UByteArray {
    return UByteArray(this.copyOf())
}

```

* Returns an array of UInt containing all of the elements of this generic array.

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun Array<out UInt>.toUIntArray(): UIntArray
{
    return UIntArray(size) { index -> this[index] }
}

```

* Returns an array of type [UIntArray], which is a copy of this array where each element is an unsigned reinterpretation of the corresponding element of this array.

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun
IntArray.toUIntArray(): UIntArray {
    return UIntArray(this.copyOf())
}

```

* Returns an array of ULong containing all of the elements of this generic array.

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun Array<out ULong>.toULongArray():
ULongArray {
    return ULongArray(size) { index -> this[index] }
}

```

* Returns an array of type [ULongArray], which is a copy of this array where each element is an unsigned reinterpretation of the corresponding element of this array.

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun
LongArray.toULongArray(): ULongArray {
    return ULongArray(this.copyOf())
}

```

* Returns an array of UShort containing all of the elements of this generic array.

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun Array<out UShort>.toUShortArray():
UShortArray {
    return UShortArray(size) { index -> this[index] }
}

```

* Returns an array of type [UShortArray], which is a copy of this array where each element is an unsigned reinterpretation of the corresponding element of this array.

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun
ShortArray.toUShortArray(): UShortArray {
    return UShortArray(this.copyOf())
}

```

* Returns a single list of all elements yielded from results of [transform] function being invoked on each element of original array.

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <R>
UIntArray.flatMap(transform: (UInt) -> Iterable<R>): List<R> {
    return flatMapTo(ArrayList<R>(),
transform)
}

```

* Returns a single list of all elements yielded from results of [transform] function being invoked on each element of original array.

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <R>
ULongArray.flatMap(transform: (ULong) -> Iterable<R>): List<R> {
    return flatMapTo(ArrayList<R>(),
transform)
}

```

* Returns a single list of all elements yielded from results of [transform] function being invoked on each element of original array.

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <R>
UByteArray.flatMap(transform: (UByte) -> Iterable<R>): List<R> {
    return flatMapTo(ArrayList<R>(),
transform)
}

```

* Returns a single list of all elements yielded from results of [transform] function being invoked on each element of original array.

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <R>
UShortArray.flatMap(transform: (UShort) -> Iterable<R>): List<R> {
    return flatMapTo(ArrayList<R>(),
transform)
}

```

* Appends all elements yielded from results of [transform] function being invoked on each element of original array, to the given [destination].

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <R, C :
MutableCollection<in R>> UIntArray.flatMapTo(destination: C, transform: (UInt) -> Iterable<R>): C {
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return destination
}

```

* Appends all elements yielded from results of [transform] function being invoked on each element of original array, to the given [destination].

```

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <R, C :

```

```

MutableCollection<in R>> ULongArray.flatMapTo(destination: C, transform: (ULong) -> Iterable<R>): C {
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return destination
}
/**
 * Appends all elements yielded from results of [transform] function being invoked on each
 * element of original array, to the given [destination].
 */
@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <R, C :
MutableCollection<in R>> UByteArray.flatMapTo(destination: C, transform: (UByte) -> Iterable<R>): C {
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return destination
}
/**
 * Appends all elements yielded from results of [transform] function being invoked on each
 * element of original array, to the given [destination].
 */
@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <R, C :
MutableCollection<in R>> UShortArray.flatMapTo(destination: C, transform: (UShort) -> Iterable<R>): C {
    for (element in this) {
        val list = transform(element)
        destination.addAll(list)
    }
    return destination
}
/**
 * Groups elements of the original array by the key returned by the given [keySelector]
 * function
 * applied to each element and returns a map where each group key is associated with a list of
 * corresponding elements.
 * The returned map preserves the entry iteration order of the keys produced from the
 * original array.
 * @sample samples.collections.Collections.Transformations.groupBy
 */
@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <K>
UIntArray.groupBy(keySelector: (UInt) -> K): Map<K, List<UInt>> {
    return groupByTo(LinkedHashMap<K,
MutableList<UInt>>(), keySelector)
}
/**
 * Groups elements of the original array by the key returned by the
 * given [keySelector] function
 * applied to each element and returns a map where each group key is associated with
 * a list of corresponding elements.
 * The returned map preserves the entry iteration order of the keys produced
 * from the original array.
 * @sample samples.collections.Collections.Transformations.groupBy
 */
@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <K>
ULongArray.groupBy(keySelector: (ULong) -> K): Map<K, List<ULong>> {
    return
groupByTo(LinkedHashMap<K, MutableList<ULong>>(), keySelector)
}
/**
 * Groups elements of the
 * original array by the key returned by the given [keySelector] function
 * applied to each element and returns a map
 * where each group key is associated with a list of corresponding elements.
 * The returned map preserves the
 * entry iteration order of the keys produced from the original array.
 * @sample
samples.collections.Collections.Transformations.groupBy
 */
@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <K>
UByteArray.groupBy(keySelector: (UByte) -> K): Map<K, List<UByte>> {
    return
groupByTo(LinkedHashMap<K, MutableList<UByte>>(), keySelector)
}
/**
 * Groups elements of the
 * original array by the key returned by the given [keySelector] function
 * applied to each element and returns a map
 * where each group key is associated with a list of corresponding elements.
 * The returned map preserves the
 * entry iteration order of the keys produced from the original array.
 * @sample
samples.collections.Collections.Transformations.groupBy
 */
@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <K>
UShortArray.groupBy(keySelector: (UShort) -> K): Map<K, List<UShort>> {
    return
groupByTo(LinkedHashMap<K, MutableList<UShort>>(), keySelector)
}
/**
 * Groups values returned by
 * the [valueTransform] function applied to each element of the original array
 * by the key returned by the given
 [keySelector] function applied to the element
 * and returns a map where each group key is associated with a list of
 * corresponding values.
 * The returned map preserves the entry iteration order of the keys produced from the
 * original array.
 * @sample samples.collections.Collections.Transformations.groupByKeysAndValues
 */
@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun <K, V>
UIntArray.groupBy(keySelector: (UInt) -> K, valueTransform: (UInt) -> V): Map<K, List<V>> {
    return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)
}
/**
 * Groups values
 * returned by the [valueTransform] function applied to each element of the original array
 * by the key returned by
 * the given [keySelector] function applied to the element
 * and returns a map where each group key is associated

```


with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys produced from the original array.\n * \n * @sample samples.collections.Collections.Transformations.groupByKeysAndValues\n

```

*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, V>
ULongArray.groupBy(keySelector: (ULong) -> K, valueTransform: (ULong) -> V): Map<K, List<V>> {\n    return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups values
returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by
the given [keySelector] function applied to the element\n * and returns a map where each group key is associated
with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys
produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeysAndValues\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, V>
UByteArray.groupBy(keySelector: (UByte) -> K, valueTransform: (UByte) -> V): Map<K, List<V>> {\n    return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups values
returned by the [valueTransform] function applied to each element of the original array\n * by the key returned by
the given [keySelector] function applied to the element\n * and returns a map where each group key is associated
with a list of corresponding values.\n * \n * The returned map preserves the entry iteration order of the keys
produced from the original array.\n * \n * @sample
samples.collections.Collections.Transformations.groupByKeysAndValues\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, V>
UShortArray.groupBy(keySelector: (UShort) -> K, valueTransform: (UShort) -> V): Map<K, List<V>> {\n    return
groupByTo(LinkedHashMap<K, MutableList<V>>(), keySelector, valueTransform)\n}\n\n/**\n * Groups elements
of the original array by the key returned by the given [keySelector] function\n * applied to each element and puts to
the [destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, M :
MutableMap<in K, MutableList<UInt>>> UIntArray.groupByTo(destination: M, keySelector: (UInt) -> K): M {\n
for (element in this) {\n    val key = keySelector(element)\n    val list = destination.getOrPut(key) {
ArrayList<UInt>() }\n    list.add(element)\n } return destination\n}\n\n/**\n * Groups elements of the
original array by the key returned by the given [keySelector] function\n * applied to each element and puts to the
[destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, M :
MutableMap<in K, MutableList<ULong>>> ULongArray.groupByTo(destination: M, keySelector: (ULong) -> K):
M {\n    for (element in this) {\n        val key = keySelector(element)\n        val list = destination.getOrPut(key) {
ArrayList<ULong>() }\n        list.add(element)\n    } return destination\n}\n\n/**\n * Groups elements of the
original array by the key returned by the given [keySelector] function\n * applied to each element and puts to the
[destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, M :
MutableMap<in K, MutableList<UByte>>> UByteArray.groupByTo(destination: M, keySelector: (UByte) -> K):
M {\n    for (element in this) {\n        val key = keySelector(element)\n        val list = destination.getOrPut(key) {
ArrayList<UByte>() }\n        list.add(element)\n    } return destination\n}\n\n/**\n * Groups elements of the
original array by the key returned by the given [keySelector] function\n * applied to each element and puts to the
[destination] map each group key associated with a list of corresponding elements.\n * \n * @return The
[destination] map.\n * \n * @sample samples.collections.Collections.Transformations.groupBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <K, M :
MutableMap<in K, MutableList<UShort>>> UShortArray.groupByTo(destination: M, keySelector: (UShort) -> K):

```

```

M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) {
            ArrayList<UShort>()
        }
        list.add(element)
    }
    return destination
}

/**
 * Groups values returned by the [valueTransform] function applied to each element of the original array
 * by the key returned by the given [keySelector] function applied to the element
 * and puts to the [destination] map each group key associated with a
 * list of corresponding values.
 *
 * @return The [destination] map.
 *
 * @sample
 * samples.collections.Collections.Transformations.groupByKeysAndValues
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <K, V, M : MutableMap<in K, MutableList<V>>> UIntArray.groupByTo(destination: M, keySelector: (UInt) -> K, valueTransform: (UInt) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) {
            ArrayList<V>()
        }
        list.add(valueTransform(element))
    }
    return destination
}

/**
 * Groups values returned by the [valueTransform] function applied to each element of the
 * original array
 * by the key returned by the given [keySelector] function applied to the element
 * and puts to the [destination] map each group key associated with a list of corresponding values.
 *
 * @return The [destination] map.
 *
 * @sample
 * samples.collections.Collections.Transformations.groupByKeysAndValues
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <K, V, M : MutableMap<in K, MutableList<V>>> ULongArray.groupByTo(destination: M, keySelector: (ULong) -> K, valueTransform: (ULong) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) {
            ArrayList<V>()
        }
        list.add(valueTransform(element))
    }
    return destination
}

/**
 * Groups values returned by the [valueTransform] function applied to each element of the
 * original array
 * by the key returned by the given [keySelector] function applied to the element
 * and puts to the [destination] map each group key associated with a list of corresponding values.
 *
 * @return The [destination] map.
 *
 * @sample
 * samples.collections.Collections.Transformations.groupByKeysAndValues
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <K, V, M : MutableMap<in K, MutableList<V>>> UByteArray.groupByTo(destination: M, keySelector: (UByte) -> K, valueTransform: (UByte) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) {
            ArrayList<V>()
        }
        list.add(valueTransform(element))
    }
    return destination
}

/**
 * Groups values returned by the [valueTransform] function applied to each element of the
 * original array
 * by the key returned by the given [keySelector] function applied to the element
 * and puts to the [destination] map each group key associated with a list of corresponding values.
 *
 * @return The [destination] map.
 *
 * @sample
 * samples.collections.Collections.Transformations.groupByKeysAndValues
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <K, V, M : MutableMap<in K, MutableList<V>>> UShortArray.groupByTo(destination: M, keySelector: (UShort) -> K, valueTransform: (UShort) -> V): M {
    for (element in this) {
        val key = keySelector(element)
        val list = destination.getOrPut(key) {
            ArrayList<V>()
        }
        list.add(valueTransform(element))
    }
    return destination
}

/**
 * Returns a list containing the results of applying the given [transform] function
 * to each element in the original array.
 *
 * @sample
 * samples.collections.Collections.Transformations.map
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <R> UIntArray.map(transform: (UInt) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

/**
 * Returns a list containing the results of applying the given [transform] function
 * to each element in the original array.
 *
 * @sample
 * samples.collections.Collections.Transformations.map
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <R> ULongArray.map(transform: (ULong) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

/**
 * Returns a list containing the results of applying the given [transform] function
 * to each element in the original array.
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 * @sample
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@SinceKotlin("1.3")
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public inline fun <R> UByteArray.map(transform: (UByte) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

/**
 * Returns a list containing the results of applying the given [transform] function
 * to each element in the original array.
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 * @sample
 * samples.collections.Collections.Transformations.map
 */
@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
@kotlin.internal.InlineOnly
public inline fun <R> UShortArray.map(transform: (UShort) -> R): List<R> {
    return mapTo(ArrayList<R>(size), transform)
}

```

```

*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UShortArray.map(transform: (UShort) -> R): List<R> {\n    return mapTo(ArrayList<R>(size),
transform)\n}\n\n/**\n * Returns a list containing the results of applying the given [transform] function\n * to each
element and its index in the original array.\n * @param [transform] function that takes the index of an element and
the element itself\n * and returns the result of the transform applied to the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UIntArray.mapIndexed(transform: (index: Int, UInt) -> R): List<R> {\n    return
mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the
given [transform] function\n * to each element and its index in the original array.\n * @param [transform] function
that takes the index of an element and the element itself\n * and returns the result of the transform applied to the
element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
fun <R> ULongArray.mapIndexed(transform: (index: Int, ULong) -> R): List<R> {\n    return
mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the
given [transform] function\n * to each element and its index in the original array.\n * @param [transform] function
that takes the index of an element and the element itself\n * and returns the result of the transform applied to the
element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
fun <R> UByteArray.mapIndexed(transform: (index: Int, UByte) -> R): List<R> {\n    return
mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Returns a list containing the results of applying the
given [transform] function\n * to each element and its index in the original array.\n * @param [transform] function
that takes the index of an element and the element itself\n * and returns the result of the transform applied to the
element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
fun <R> UShortArray.mapIndexed(transform: (index: Int, UShort) -> R): List<R> {\n    return
mapIndexedTo(ArrayList<R>(size), transform)\n}\n\n/**\n * Applies the given [transform] function to each
element and its index in the original array\n * and appends the results to the given [destination].\n * @param
[transform] function that takes the index of an element and the element itself\n * and returns the result of the
transform applied to the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UIntArray.mapIndexedTo(destination: C, transform: (index: Int, UInt) -> R): C {\n    var
index = 0\n    for (item in this)\n        destination.add(transform(index++, item))\n    return destination\n}\n\n/**\n *
Applies the given [transform] function to each element and its index in the original array\n * and appends the results
to the given [destination].\n * @param [transform] function that takes the index of an element and the element
itself\n * and returns the result of the transform applied to the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> ULongArray.mapIndexedTo(destination: C, transform: (index: Int, ULong) -> R): C {\n    var
index = 0\n    for (item in this)\n        destination.add(transform(index++, item))\n    return
destination\n}\n\n/**\n * Applies the given [transform] function to each element and its index in the original array\n
* and appends the results to the given [destination].\n * @param [transform] function that takes the index of an
element and the element itself\n * and returns the result of the transform applied to the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UByteArray.mapIndexedTo(destination: C, transform: (index: Int, UByte) -> R): C {\n    var
index = 0\n    for (item in this)\n        destination.add(transform(index++, item))\n    return
destination\n}\n\n/**\n * Applies the given [transform] function to each element and its index in the original array\n
* and appends the results to the given [destination].\n * @param [transform] function that takes the index of an
element and the element itself\n * and returns the result of the transform applied to the element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :
MutableCollection<in R>> UShortArray.mapIndexedTo(destination: C, transform: (index: Int, UShort) -> R): C {\n    var
index = 0\n    for (item in this)\n        destination.add(transform(index++, item))\n    return
destination\n}\n\n/**\n * Applies the given [transform] function to each element of the original array\n * and

```

appends the results to the given [destination].\n

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :  
MutableCollection<in R>> UIntArray.mapTo(destination: C, transform: (UInt) -> R): C {\n    for (item in this)\n    destination.add(transform(item))\n    return destination\n}\n\n/**\n * Applies the given [transform] function to each  
element of the original array\n * and appends the results to the given [destination].\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :  
MutableCollection<in R>> ULongArray.mapTo(destination: C, transform: (ULong) -> R): C {\n    for (item in  
this)\n    destination.add(transform(item))\n    return destination\n}\n\n/**\n * Applies the given [transform]  
function to each element of the original array\n * and appends the results to the given [destination].\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :  
MutableCollection<in R>> UByteArray.mapTo(destination: C, transform: (UByte) -> R): C {\n    for (item in this)\n    destination.add(transform(item))\n    return destination\n}\n\n/**\n * Applies the given [transform] function to  
each element of the original array\n * and appends the results to the given [destination].\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, C :  
MutableCollection<in R>> UShortArray.mapTo(destination: C, transform: (UShort) -> R): C {\n    for (item in  
this)\n    destination.add(transform(item))\n    return destination\n}\n\n/**\n * Returns a lazy [Iterable] that wraps  
each element of the original array\n * into an [IndexedValue] containing the index of that element and the element  
itself.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.withIndex():
```

```
Iterable<IndexedValue<UInt>> {\n    return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable]  
that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the  
element itself.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.withIndex():
```

```
Iterable<IndexedValue<ULong>> {\n    return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable]  
that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the  
element itself.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.withIndex():
```

```
Iterable<IndexedValue<UByte>> {\n    return IndexingIterable { iterator() }\n}\n\n/**\n * Returns a lazy [Iterable]  
that wraps each element of the original array\n * into an [IndexedValue] containing the index of that element and the  
element itself.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.withIndex():
```

```
Iterable<IndexedValue<UShort>> {\n    return IndexingIterable { iterator() }\n}\n\n/**\n * Returns `true` if all  
elements match the given [predicate].\n */\n@sample samples.collections.Collections.Aggregates.all\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UIntArray.all(predicate: (UInt) -> Boolean): Boolean {\n    for (element in this) if (!predicate(element)) return  
false\n    return true\n}\n\n/**\n * Returns `true` if all elements match the given [predicate].\n */\n@sample  
samples.collections.Collections.Aggregates.all\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
ULongArray.all(predicate: (ULong) -> Boolean): Boolean {\n    for (element in this) if (!predicate(element)) return  
false\n    return true\n}\n\n/**\n * Returns `true` if all elements match the given [predicate].\n */\n@sample  
samples.collections.Collections.Aggregates.all\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UByteArray.all(predicate: (UByte) -> Boolean): Boolean {\n    for (element in this) if (!predicate(element)) return  
false\n    return true\n}\n\n/**\n * Returns `true` if all elements match the given [predicate].\n */\n@sample  
samples.collections.Collections.Aggregates.all\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UShortArray.all(predicate: (UShort) -> Boolean): Boolean {\n    for (element in this) if (!predicate(element)) return  
false\n    return true\n}\n\n/**\n * Returns `true` if array has at least one element.\n */\n@sample  
samples.collections.Collections.Aggregates.any\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UIntArray.any(): Boolean {\n    return storage.any()\n}\n\n/**\n * Returns `true` if array has at least one element.\n */\n@sample  
samples.collections.Collections.Aggregates.any\n
```

```

*^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public inline fun
ULongArray.any(): Boolean {^   return storage.any()^}^n/n/**^n * Returns `true` if array has at least one
element.^n * ^n * @sample samples.collections.Collections.Aggregates.any^
*^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public inline fun
UByteArray.any(): Boolean {^   return storage.any()^}^n/n/**^n * Returns `true` if array has at least one
element.^n * ^n * @sample samples.collections.Collections.Aggregates.any^
*^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public inline fun
UShortArray.any(): Boolean {^   return storage.any()^}^n/n/**^n * Returns `true` if at least one element matches
the given [predicate].^n * ^n * @sample samples.collections.Collections.Aggregates.anyWithPredicate^
*^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public inline fun
UIntArray.any(predicate: (UInt) -> Boolean): Boolean {^   for (element in this) if (predicate(element)) return true^
return false^}^n/n/**^n * Returns `true` if at least one element matches the given [predicate].^n * ^n * @sample
samples.collections.Collections.Aggregates.anyWithPredicate^
*^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public inline fun
ULongArray.any(predicate: (ULong) -> Boolean): Boolean {^   for (element in this) if (predicate(element)) return
true^
return false^}^n/n/**^n * Returns `true` if at least one element matches the given [predicate].^n * ^n *
@sample samples.collections.Collections.Aggregates.anyWithPredicate^
*^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public inline fun
UByteArray.any(predicate: (UByte) -> Boolean): Boolean {^   for (element in this) if (predicate(element)) return
true^
return false^}^n/n/**^n * Returns `true` if at least one element matches the given [predicate].^n * ^n *
@sample samples.collections.Collections.Aggregates.anyWithPredicate^
*^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public inline fun
UShortArray.any(predicate: (UShort) -> Boolean): Boolean {^   for (element in this) if (predicate(element)) return
true^
return false^}^n/n/**^n * Returns the number of elements matching the given [predicate].^
*^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public inline fun
UIntArray.count(predicate: (UInt) -> Boolean): Int {^   var count = 0^   for (element in this) if
(predicate(element)) ++count^
return count^}^n/n/**^n * Returns the number of elements matching the given
[predicate].^n *^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public
inline fun ULongArray.count(predicate: (ULong) -> Boolean): Int {^   var count = 0^   for (element in this) if
(predicate(element)) ++count^
return count^}^n/n/**^n * Returns the number of elements matching the given
[predicate].^n *^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public
inline fun UByteArray.count(predicate: (UByte) -> Boolean): Int {^   var count = 0^   for (element in this) if
(predicate(element)) ++count^
return count^}^n/n/**^n * Returns the number of elements matching the given
[predicate].^n *^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public
inline fun UShortArray.count(predicate: (UShort) -> Boolean): Int {^   var count = 0^   for (element in this) if
(predicate(element)) ++count^
return count^}^n/n/**^n * Accumulates value starting with [initial] value and
applying [operation] from left to right to current accumulator value and each element.^
*^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public inline fun <R>
UIntArray.fold(initial: R, operation: (acc: R, UInt) -> R): R {^   var accumulator = initial^   for (element in this)
accumulator = operation(accumulator, element)^
return accumulator^}^n/n/**^n * Accumulates value starting
with [initial] value and applying [operation] from left to right to current accumulator value and each element.^
*^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public inline fun <R>
ULongArray.fold(initial: R, operation: (acc: R, ULong) -> R): R {^   var accumulator = initial^   for (element in
this) accumulator = operation(accumulator, element)^
return accumulator^}^n/n/**^n * Accumulates value
starting with [initial] value and applying [operation] from left to right to current accumulator value and each
element.^n *^@SinceKotlin("1.3")^@ExperimentalUnsignedTypes^@kotlin.internal.InlineOnly^public inline
fun <R> UByteArray.fold(initial: R, operation: (acc: R, UByte) -> R): R {^   var accumulator = initial^   for
(element in this) accumulator = operation(accumulator, element)^
return accumulator^}^n/n/**^n * Accumulates

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value starting with [initial] value and applying [operation] from left to right to current accumulator value and each
element.\n *^@\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
fun <R> UShortArray.fold(initial: R, operation: (acc: R, UShort) -> R): R {\n  var accumulator = initial\n  for
(element in this) accumulator = operation(accumulator, element)\n  return accumulator\n}\n\n/**\n * Accumulates
value starting with [initial] value and applying [operation] from left to right\n * to current accumulator value and
each element with its index in the original array.\n * @param [operation] function that takes the index of an element,
current accumulator value\n * and the element itself, and calculates the next accumulator value.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UIntArray.foldIndexed(initial: R, operation: (index: Int, acc: R, UInt) -> R): R {\n  var index = 0\n  var
accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator, element)\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the
next accumulator value.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
ULongArray.foldIndexed(initial: R, operation: (index: Int, acc: R, ULong) -> R): R {\n  var index = 0\n  var
accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator, element)\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the
next accumulator value.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UByteArray.foldIndexed(initial: R, operation: (index: Int, acc: R, UByte) -> R): R {\n  var index = 0\n  var
accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator, element)\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from left to
right\n * to current accumulator value and each element with its index in the original array.\n * @param [operation]
function that takes the index of an element, current accumulator value\n * and the element itself, and calculates the
next accumulator value.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UShortArray.foldIndexed(initial: R, operation: (index: Int, acc: R, UShort) -> R): R {\n  var index = 0\n  var
accumulator = initial\n  for (element in this) accumulator = operation(index++, accumulator, element)\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left
to each element and current accumulator value.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UIntArray.foldRight(initial: R, operation: (UInt, acc: R) -> R): R {\n  var index = lastIndex\n  var accumulator =
initial\n  while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n  return
accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right to left
to each element and current accumulator value.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
ULongArray.foldRight(initial: R, operation: (ULong, acc: R) -> R): R {\n  var index = lastIndex\n  var
accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n
return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right
to left to each element and current accumulator value.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UByteArray.foldRight(initial: R, operation: (UByte, acc: R) -> R): R {\n  var index = lastIndex\n  var
accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n
return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right
to left to each element and current accumulator value.\n

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UShortArray.foldRight(initial: R, operation: (UShort, acc: R) -> R): R {\n  var index = lastIndex\n  var
accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(get(index--), accumulator)\n  }\n
return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying [operation] from right
to left\n * to each element with its index in the original array and current accumulator value.\n * @param
[operation] function that takes the index of an element, the element itself\n * and current accumulator value, and
calculates the next accumulator value.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UIntArray.foldRightIndexed(initial: R, operation: (index: Int, UInt, acc: R) -> R): R {\n  var index = lastIndex\n
var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index, get(index), accumulator)\n
--index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial] value and applying
[operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n
* @param [operation] function that takes the index of an element, the element itself\n * and current accumulator
value, and calculates the next accumulator value.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
ULongArray.foldRightIndexed(initial: R, operation: (index: Int, ULong, acc: R) -> R): R {\n  var index =
lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial]
value and applying [operation] from right to left\n * to each element with its index in the original array and current
accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n * and
current accumulator value, and calculates the next accumulator value.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UByteArray.foldRightIndexed(initial: R, operation: (index: Int, UByte, acc: R) -> R): R {\n  var index =
lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Accumulates value starting with [initial]
value and applying [operation] from right to left\n * to each element with its index in the original array and current
accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n * and
current accumulator value, and calculates the next accumulator value.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R>
UShortArray.foldRightIndexed(initial: R, operation: (index: Int, UShort, acc: R) -> R): R {\n  var index =
lastIndex\n  var accumulator = initial\n  while (index >= 0) {\n    accumulator = operation(index, get(index),
accumulator)\n    --index\n  }\n  return accumulator\n}\n\n/**\n * Performs the given [action] on each
element.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
fun UIntArray.forEach(action: (UInt) -> Unit): Unit {\n  for (element in this) action(element)\n}\n\n/**\n *
Performs the given [action] on each element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.forEach(action: (ULong) -> Unit): Unit {\n  for (element in this) action(element)\n}\n\n/**\n *
Performs the given [action] on each element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.forEach(action: (UByte) -> Unit): Unit {\n  for (element in this) action(element)\n}\n\n/**\n *
Performs the given [action] on each element.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.forEach(action: (UShort) -> Unit): Unit {\n  for (element in this) action(element)\n}\n\n/**\n *
Performs the given [action] on each element, providing sequential index with the element.\n * @param [action]
function that takes the index of an element and the element itself\n * and performs the desired action on the
element.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
fun UIntArray.forEachIndexed(action: (index: Int, UInt) -> Unit): Unit {\n  var index = 0\n  for (item in this)
action(index++, item)\n}\n\n/**\n * Performs the given [action] on each element, providing sequential index with

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the element.\n * @param [action] function that takes the index of an element and the element itself\n * and performs the desired action on the element.\n

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
ULongArray.forEachIndexed(action: (index: Int, ULong) -> Unit): Unit {\n    var index = 0\n    for (item in this)  
        action(index++, item)\n}\n\n/**\n * Performs the given [action] on each element, providing sequential index with  
the element.\n * @param [action] function that takes the index of an element and the element itself\n * and performs  
the desired action on the element.\n
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```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UByteArray.forEachIndexed(action: (index: Int, UByte) -> Unit): Unit {\n    var index = 0\n    for (item in this)  
        action(index++, item)\n}\n\n/**\n * Performs the given [action] on each element, providing sequential index with  
the element.\n * @param [action] function that takes the index of an element and the element itself\n * and performs  
the desired action on the element.\n
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```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UShortArray.forEachIndexed(action: (index: Int, UShort) -> Unit): Unit {\n    var index = 0\n    for (item in this)  
        action(index++, item)\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.max(): UInt? {\n    if (isEmpty())  
        return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.max(): ULong? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.max(): UByte? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the largest element or `null` if there are no elements.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.max(): UShort? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (max < e) max = e\n    }\n    return max\n}\n\n/**\n * Returns the first element yielding the largest value of the given function or  
`null` if there are no elements.\n * \n * @sample samples.collections.Collections.Aggregates.maxBy\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :  
Comparable<R>> UIntArray.maxBy(selector: (UInt) -> R): UInt? {\n    if (isEmpty()) return null\n    var maxElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return maxElem\n    var maxValue = selector(maxElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (maxValue < v)  
            maxElem = e\n            maxValue = v\n    }\n    return maxElem\n}\n\n/**\n * Returns the first  
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample  
samples.collections.Collections.Aggregates.maxBy\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :  
Comparable<R>> ULongArray.maxBy(selector: (ULong) -> R): ULong? {\n    if (isEmpty()) return null\n    var maxElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return maxElem\n    var maxValue = selector(maxElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (maxValue < v)  
            maxElem = e\n            maxValue = v\n    }\n    return maxElem\n}\n\n/**\n * Returns the first  
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample  
samples.collections.Collections.Aggregates.maxBy\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :  
Comparable<R>> UByteArray.maxBy(selector: (UByte) -> R): UByte? {\n    if (isEmpty()) return null\n    var maxElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return maxElem\n    var maxValue = selector(maxElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (maxValue < v)  
            maxElem = e\n            maxValue = v\n    }\n    return maxElem\n}\n\n/**\n * Returns the first  
element yielding the largest value of the given function or `null` if there are no elements.\n * \n * @sample
```


samples.collections.Collections.Aggregates.maxBy

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>> UShortArray.maxBy(selector: (UShort) -> R): UShort? {\n    if (isEmpty()) return null\n    var maxElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return maxElem\n    var maxValue = selector(maxElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (maxValue < v)\n            maxElem = e\n            maxValue = v\n    }\n    return maxElem\n}\n\n/**\n * Returns the first element having the largest value according to the provided [comparator] or `null` if there are no elements.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.maxWith(comparator: Comparator<in UInt>): UInt? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (comparator.compare(max, e) < 0) max = e\n    }\n    return max\n}\n\n/**\n * Returns the first element having the largest value according to the provided [comparator] or `null` if there are no elements.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.maxWith(comparator: Comparator<in ULong>): ULong? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (comparator.compare(max, e) < 0) max = e\n    }\n    return max\n}\n\n/**\n * Returns the first element having the largest value according to the provided [comparator] or `null` if there are no elements.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.maxWith(comparator: Comparator<in UByte>): UByte? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (comparator.compare(max, e) < 0) max = e\n    }\n    return max\n}\n\n/**\n * Returns the first element having the largest value according to the provided [comparator] or `null` if there are no elements.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.maxWith(comparator: Comparator<in UShort>): UShort? {\n    if (isEmpty()) return null\n    var max = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (comparator.compare(max, e) < 0) max = e\n    }\n    return max\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.min(): UInt? {\n    if (isEmpty()) return null\n    var min = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (min > e) min = e\n    }\n    return min\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.min(): ULong? {\n    if (isEmpty()) return null\n    var min = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (min > e) min = e\n    }\n    return min\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.min(): UByte? {\n    if (isEmpty()) return null\n    var min = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (min > e) min = e\n    }\n    return min\n}\n\n/**\n * Returns the smallest element or `null` if there are no elements.\n */
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.min(): UShort? {\n    if (isEmpty()) return null\n    var min = this[0]\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        if (min > e) min = e\n    }\n    return min\n}\n\n/**\n * Returns the first element yielding the smallest value of the given function or `null` if there are no elements.\n */\n * \n * @sample samples.collections.Collections.Aggregates.minBy
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>> UIntArray.minBy(selector: (UInt) -> R): UInt? {\n    if (isEmpty()) return null\n    var minElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue = selector(minElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v)\n            minElem = e\n            minValue = v\n    }\n    return minElem\n}\n\n/**\n * Returns the first element yielding the smallest value of the given function or `null` if there are no elements.\n */\n * \n * @sample
```

samples.collections.Collections.Aggregates.minBy

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R : Comparable<R>> ULongArray.minBy(selector: (ULong) -> R): ULong? {\n    if (isEmpty()) return null\n    var minElem = this[0]\n    val lastIndex = this.lastIndex\n    if (lastIndex == 0) return minElem\n    var minValue = selector(minElem)\n    for (i in 1..lastIndex) {\n        val e = this[i]\n        val v = selector(e)\n        if (minValue > v)\n            minElem = e\n            minValue = v\n    }\n    return minElem\n}\n\n/**\n * Returns the first
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element yielding the smallest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.minBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UByteArray.minBy(selector: (UByte) -> R): UByte? {\n if (isEmpty()) return null\n var
minElem = this[0]\n val lastIndex = this.lastIndex\n if (lastIndex == 0) return minElem\n var minValue =
selector(minElem)\n for (i in 1..lastIndex) {\n val e = this[i]\n val v = selector(e)\n if (minValue > v)
{\n minElem = e\n minValue = v\n }\n }\n return minElem\n}\n\n/**\n * Returns the first
element yielding the smallest value of the given function or `null` if there are no elements.\n * \n * @sample
samples.collections.Collections.Aggregates.minBy\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R :
Comparable<R>> UShortArray.minBy(selector: (UShort) -> R): UShort? {\n if (isEmpty()) return null\n var
minElem = this[0]\n val lastIndex = this.lastIndex\n if (lastIndex == 0) return minElem\n var minValue =
selector(minElem)\n for (i in 1..lastIndex) {\n val e = this[i]\n val v = selector(e)\n if (minValue > v)
{\n minElem = e\n minValue = v\n }\n }\n return minElem\n}\n\n/**\n * Returns the first
element having the smallest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntArray.minWith(comparator:
Comparator<in UInt>): UInt? {\n if (isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n
val e = this[i]\n if (comparator.compare(min, e) > 0) min = e\n }\n return min\n}\n\n/**\n * Returns the first
element having the smallest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongArray.minWith(comparator:
Comparator<in ULong>): ULong? {\n if (isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n
val e = this[i]\n if (comparator.compare(min, e) > 0) min = e\n }\n return min\n}\n\n/**\n * Returns the
first element having the smallest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByteArray.minWith(comparator:
Comparator<in UByte>): UByte? {\n if (isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n
val e = this[i]\n if (comparator.compare(min, e) > 0) min = e\n }\n return min\n}\n\n/**\n * Returns the
first element having the smallest value according to the provided [comparator] or `null` if there are no elements.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShortArray.minWith(comparator:
Comparator<in UShort>): UShort? {\n if (isEmpty()) return null\n var min = this[0]\n for (i in 1..lastIndex) {\n
val e = this[i]\n if (comparator.compare(min, e) > 0) min = e\n }\n return min\n}\n\n/**\n * Returns
`true` if the array has no elements.\n * \n * @sample samples.collections.Collections.Aggregates.none\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.none(): Boolean {\n return isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n *
@sample samples.collections.Collections.Aggregates.none\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.none(): Boolean {\n return isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n *
@sample samples.collections.Collections.Aggregates.none\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.none(): Boolean {\n return isEmpty()\n}\n\n/**\n * Returns `true` if the array has no elements.\n * \n *
@sample samples.collections.Collections.Aggregates.none\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.none(): Boolean {\n return isEmpty()\n}\n\n/**\n * Returns `true` if no elements match the given
[predicate].\n * \n * @sample samples.collections.Collections.Aggregates.noneWithPredicate\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.none(predicate: (UInt) -> Boolean): Boolean {\n for (element in this) if (predicate(element)) return
false\n return true\n}\n\n/**\n * Returns `true` if no elements match the given [predicate].\n * \n * @sample
samples.collections.Collections.Aggregates.noneWithPredicate\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun

```

```

UByteArray.none(predicate: (UByte) -> Boolean): Boolean {
    for (element in this) if (predicate(element)) return false
    return true
}

Returns `true` if no elements match the given [predicate].

@sample
samples.collections.Collections.Aggregates.noneWithPredicate

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UByteArray.reduce(operation: (acc: UByte, UByte) -> UByte): UByte {
    if (isEmpty()) throw
    UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(accumulator, this[index])
    }
    return accumulator
}

Returns `true` if no elements match the given [predicate].

@sample
samples.collections.Collections.Aggregates.noneWithPredicate

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UShortArray.reduce(operation: (acc: UShort, UShort) -> UShort): UShort {
    if (isEmpty()) throw
    UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(accumulator, this[index])
    }
    return accumulator
}

Returns `true` if no elements match the given [predicate].

@sample
samples.collections.Collections.Aggregates.noneWithPredicate

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UIntArray.reduce(operation: (acc: UInt, UInt) -> UInt): UInt {
    if (isEmpty()) throw
    UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(accumulator, this[index])
    }
    return accumulator
}

Returns `true` if no elements match the given [predicate].

@sample
samples.collections.Collections.Aggregates.noneWithPredicate

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UByteArray.reduce(operation: (acc: UByte, UByte) -> UByte): UByte {
    if (isEmpty()) throw
    UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(accumulator, this[index])
    }
    return accumulator
}

Returns `true` if no elements match the given [predicate].

@sample
samples.collections.Collections.Aggregates.noneWithPredicate

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UShortArray.reduce(operation: (acc: UShort, UShort) -> UShort): UShort {
    if (isEmpty()) throw
    UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(accumulator, this[index])
    }
    return accumulator
}

Returns `true` if no elements match the given [predicate].

@sample
samples.collections.Collections.Aggregates.noneWithPredicate

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UIntArray.reduceIndexed(operation: (index: Int, acc: UInt, UInt) -> UInt): UInt {
    if (isEmpty()) throw
    UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(index, accumulator, this[index])
    }
    return accumulator
}

Returns `true` if no elements match the given [predicate].

@sample
samples.collections.Collections.Aggregates.noneWithPredicate

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UByteArray.reduceIndexed(operation: (index: Int, acc: UByte, UByte) -> UByte): UByte {
    if (isEmpty()) throw
    UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(index, accumulator, this[index])
    }
    return accumulator
}

Returns `true` if no elements match the given [predicate].

@sample
samples.collections.Collections.Aggregates.noneWithPredicate

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UShortArray.reduceIndexed(operation: (index: Int, acc: UShort, UShort) -> UShort): UShort {
    if (isEmpty()) throw
    UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(index, accumulator, this[index])
    }
    return accumulator
}

Returns `true` if no elements match the given [predicate].

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samples.collections.Collections.Aggregates.noneWithPredicate

@SinceKotlin("1.3")@ExperimentalUnsignedTypes@kotlin.internal.InlineOnly
public inline fun
UIntArray.reduceIndexed(operation: (index: Int, acc: UInt, UInt) -> UInt): UInt {
    if (isEmpty()) throw
    UnsupportedOperationException("Empty array can't be reduced.")
    var accumulator = this[0]
    for (index in 1..lastIndex) {
        accumulator = operation(index, accumulator, this[index])
    }
    return accumulator
}

Returns `true` if no elements match the given [predicate].

@sample
samples.collections.Collections.Aggregates.noneWithPredicate

```

accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current accumulator value and each element with its index in the original array.\n * @param [operation] function that takes the index of an element, current accumulator value\n * and the element itself and calculates the next accumulator value.\n

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\nUByteArray.reduceIndexed(operation: (index: Int, acc: UByte, UByte) -> UByte): UByte {\n    if (isEmpty())\n        throw UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for (index in 1..lastIndex) {\n        accumulator = operation(index, accumulator, this[index])\n    }\n    return\n    accumulator\n}\n\n/**\n * Accumulates value starting with the first element and applying [operation] from left to right\n * to current accumulator value and each element with its index in the original array.\n * @param [operation] function that takes the index of an element, current accumulator value\n * and the element itself and calculates the next accumulator value.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\nUShortArray.reduceIndexed(operation: (index: Int, acc: UShort, UShort) -> UShort): UShort {\n    if (isEmpty())\n        throw UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = this[0]\n    for (index in 1..lastIndex) {\n        accumulator = operation(index, accumulator, this[index])\n    }\n    return\n    accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left to each element and current accumulator value.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\nUIntArray.reduceRight(operation: (UInt, acc: UInt) -> UInt): UInt {\n    var index = lastIndex\n    if (index < 0)\n        throw UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = get(index--)\n    while (index >= 0) {\n        accumulator = operation(get(index--), accumulator)\n    }\n    return\n    accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left to each element and current accumulator value.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\nULongArray.reduceRight(operation: (ULong, acc: ULong) -> ULong): ULong {\n    var index = lastIndex\n    if (index < 0)\n        throw UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = get(index--)\n    while (index >= 0) {\n        accumulator = operation(get(index--), accumulator)\n    }\n    return\n    accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left to each element and current accumulator value.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\nUByteArray.reduceRight(operation: (UByte, acc: UByte) -> UByte): UByte {\n    var index = lastIndex\n    if (index < 0)\n        throw UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = get(index--)\n    while (index >= 0) {\n        accumulator = operation(get(index--), accumulator)\n    }\n    return\n    accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left to each element and current accumulator value.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\nUShortArray.reduceRight(operation: (UShort, acc: UShort) -> UShort): UShort {\n    var index = lastIndex\n    if (index < 0)\n        throw UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = get(index--)\n    while (index >= 0) {\n        accumulator = operation(get(index--), accumulator)\n    }\n    return\n    accumulator\n}\n\n/**\n * Accumulates value starting with last element and applying [operation] from right to left\n * to each element with its index in the original array and current accumulator value.\n * @param [operation] function that takes the index of an element, the element itself\n * and current accumulator value, and calculates the next accumulator value.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun\nUIntArray.reduceRightIndexed(operation: (index: Int, UInt, acc: UInt) -> UInt): UInt {\n    var index = lastIndex\n    if (index < 0)\n        throw UnsupportedOperationException("Empty array can't be reduced.")\n    var accumulator = get(index--)\n    while (index >= 0) {\n        accumulator = operation(index, get(index), accumulator)\n    }\n    return\n    accumulator\n}\n
```

} return accumulator
 Accumulates value starting with last element and applying [operation] from right to left to each element with its index in the original array and current accumulator value. @param [operation] function that takes the index of an element, the element itself and current accumulator value, and calculates the next accumulator value.

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
ULongArray.reduceRightIndexed(operation: (index: Int, ULong, acc: ULong) -> ULong): ULong {\n    var index =  
lastIndex\n    if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n    var  
accumulator = get(index--)\n    while (index >= 0) {\n        accumulator = operation(index, get(index),  
accumulator)\n        --index\n    }\n    return accumulator\n}\n Accumulates value starting with last element  
and applying [operation] from right to left to each element with its index in the original array and current  
accumulator value. @param [operation] function that takes the index of an element, the element itself and  
current accumulator value, and calculates the next accumulator value.
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UByteArray.reduceRightIndexed(operation: (index: Int, UByte, acc: UByte) -> UByte): UByte {\n    var index =  
lastIndex\n    if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n    var  
accumulator = get(index--)\n    while (index >= 0) {\n        accumulator = operation(index, get(index),  
accumulator)\n        --index\n    }\n    return accumulator\n}\n Accumulates value starting with last element  
and applying [operation] from right to left to each element with its index in the original array and current  
accumulator value. @param [operation] function that takes the index of an element, the element itself and  
current accumulator value, and calculates the next accumulator value.
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UShortArray.reduceRightIndexed(operation: (index: Int, UShort, acc: UShort) -> UShort): UShort {\n    var index =  
lastIndex\n    if (index < 0) throw UnsupportedOperationException("Empty array can't be reduced.")\n    var  
accumulator = get(index--)\n    while (index >= 0) {\n        accumulator = operation(index, get(index),  
accumulator)\n        --index\n    }\n    return accumulator\n}\n Returns the sum of all values produced by  
[selector] function applied to each element in the array.
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UIntArray.sumBy(selector: (UInt) -> UInt): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum +=  
selector(element)\n    }\n    return sum\n}\n Returns the sum of all values produced by [selector] function  
applied to each element in the array.
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
ULongArray.sumBy(selector: (ULong) -> UInt): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum  
+= selector(element)\n    }\n    return sum\n}\n Returns the sum of all values produced by [selector]  
function applied to each element in the array.
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UByteArray.sumBy(selector: (UByte) -> UInt): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum  
+= selector(element)\n    }\n    return sum\n}\n Returns the sum of all values produced by [selector]  
function applied to each element in the array.
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UShortArray.sumBy(selector: (UShort) -> UInt): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum += selector(element)\n    }\n    return sum\n}\n Returns the sum of all values produced by [selector]  
function applied to each element in the array.
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
UIntArray.sumByDouble(selector: (UInt) -> Double): Double {\n    var sum: Double = 0.0\n    for (element in this)  
{\n        sum += selector(element)\n    }\n    return sum\n}\n Returns the sum of all values produced by  
[selector] function applied to each element in the array.
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun  
ULongArray.sumByDouble(selector: (ULong) -> Double): Double {\n    var sum: Double = 0.0\n    for (element in
```

```

this) {\n    sum += selector(element)\n  }\n  return sum\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each element in the array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.sumByDouble(selector: (UByte) -> Double): Double {\n  var sum: Double = 0.0\n  for (element in
this) {\n    sum += selector(element)\n  }\n  return sum\n}\n\n/**\n * Returns the sum of all values produced by
[selector] function applied to each element in the array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.sumByDouble(selector: (UShort) -> Double): Double {\n  var sum: Double = 0.0\n  for (element in
this) {\n    sum += selector(element)\n  }\n  return sum\n}\n\n/**\n * Returns a list of pairs built from the
elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> UIntArray.zip(other: Array<out
R>): List<Pair<UInt, R>> {\n  return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from
the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> ULongArray.zip(other:
Array<out R>): List<Pair<ULong, R>> {\n  return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of
pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has
length of the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> UByteArray.zip(other: Array<out
R>): List<Pair<UByte, R>> {\n  return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built
from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> UShortArray.zip(other:
Array<out R>): List<Pair<UShort, R>> {\n  return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of
values built from the elements of `this` array and the [other] array with the same index\n * using the provided
[transform] function applied to each pair of elements.\n * The returned list has length of the shortest collection.\n * \n
*\n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
UIntArray.zip(other: Array<out R>, transform: (a: UInt, b: R) -> V): List<V> {\n  val size = minOf(size,
other.size)\n  val list = ArrayList<V>(size)\n  for (i in 0 until size) {\n    list.add(transform(this[i], other[i]))\n
}\n  return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
ULongArray.zip(other: Array<out R>, transform: (a: ULong, b: R) -> V): List<V> {\n  val size = minOf(size,
other.size)\n  val list = ArrayList<V>(size)\n  for (i in 0 until size) {\n    list.add(transform(this[i], other[i]))\n
}\n  return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
UByteArray.zip(other: Array<out R>, transform: (a: UByte, b: R) -> V): List<V> {\n  val size = minOf(size,
other.size)\n  val list = ArrayList<V>(size)\n  for (i in 0 until size) {\n    list.add(transform(this[i], other[i]))\n
}\n  return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array
with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned
list has length of the shortest collection.\n * \n * @sample

```

```

samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
UShortArray.zip(other: Array<out R>, transform: (a: UShort, b: R) -> V): List<V> {\n    val size = minOf(size,
other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n
}\n    return list\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` collection and [other] array with
the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample
samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> UIntArray.zip(other:
Iterable<R>): List<Pair<UInt, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs
built from the elements of `this` collection and [other] array with the same index.\n * The returned list has length of
the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> ULongArray.zip(other:
Iterable<R>): List<Pair<ULong, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs
built from the elements of `this` collection and [other] array with the same index.\n * The returned list has length of
the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> UByteArray.zip(other:
Iterable<R>): List<Pair<UByte, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs
built from the elements of `this` collection and [other] array with the same index.\n * The returned list has length of
the shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterable\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun <R> UShortArray.zip(other:
Iterable<R>): List<Pair<UShort, R>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of
values built from the elements of `this` array and the [other] collection with the same index\n * using the provided
[transform] function applied to each pair of elements.\n * The returned list has length of the shortest collection.\n *
\n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
UIntArray.zip(other: Iterable<R>, transform: (a: UInt, b: R) -> V): List<V> {\n    val arraySize = size\n    val list =
ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other) {\n
if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return list\n}\n\n/**\n * Returns a
list of values built from the elements of `this` array and the [other] collection with the same index\n * using the
provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
ULongArray.zip(other: Iterable<R>, transform: (a: ULong, b: R) -> V): List<V> {\n    val arraySize = size\n    val
list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other)
{\n        if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return list\n}\n\n/**\n *
Returns a list of values built from the elements of `this` array and the [other] collection with the same index\n *
using the provided [transform] function applied to each pair of elements.\n * The returned list has length of the
shortest collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
UByteArray.zip(other: Iterable<R>, transform: (a: UByte, b: R) -> V): List<V> {\n    val arraySize = size\n    val list
= ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other) {\n
if (i >= arraySize) break\n        list.add(transform(this[i++], element))\n    }\n    return list\n}\n\n/**\n * Returns a
list of values built from the elements of `this` array and the [other] collection with the same index\n * using the
provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest
collection.\n * \n * @sample samples.collections.Iterables.Operations.zipIterableWithTransform\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <R, V>
UShortArray.zip(other: Iterable<R>, transform: (a: UShort, b: R) -> V): List<V> {\n    val arraySize = size\n    val
list = ArrayList<V>(minOf(other.collectionSizeOrDefault(10), arraySize))\n    var i = 0\n    for (element in other)

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{\n    if (i >= arraySize) break\n    list.add(transform(this[i++], element))\n } \n return list\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample\n samples.collections.Iterables.Operations.zipIterable\n\n*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UIntArray.zip(other: UIntArray): List<Pair<UInt, UInt>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample\n samples.collections.Iterables.Operations.zipIterable\n\n*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun ULongArray.zip(other: ULongArray): List<Pair<ULong, ULong>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample\n samples.collections.Iterables.Operations.zipIterable\n\n*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UByteArray.zip(other: UByteArray): List<Pair<UByte, UByte>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of pairs built from the elements of `this` array and the [other] array with the same index.\n * The returned list has length of the shortest collection.\n * \n * @sample\n samples.collections.Iterables.Operations.zipIterable\n\n*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UShortArray.zip(other: UShortArray): List<Pair<UShort, UShort>> {\n    return zip(other) { t1, t2 -> t1 to t2 }\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest array.\n * \n * @sample\n samples.collections.Iterables.Operations.zipIterableWithTransform\n\n*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <V> UIntArray.zip(other: UIntArray, transform: (a: UInt, b: UInt) -> V): List<V> {\n    val size = minOf(size, other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n    }\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest array.\n * \n * @sample\n samples.collections.Iterables.Operations.zipIterableWithTransform\n\n*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <V> ULongArray.zip(other: ULongArray, transform: (a: ULong, b: ULong) -> V): List<V> {\n    val size = minOf(size, other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n    }\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest array.\n * \n * @sample\n samples.collections.Iterables.Operations.zipIterableWithTransform\n\n*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <V> UByteArray.zip(other: UByteArray, transform: (a: UByte, b: UByte) -> V): List<V> {\n    val size = minOf(size, other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n    }\n    return list\n}\n\n/**\n * Returns a list of values built from the elements of `this` array and the [other] array with the same index\n * using the provided [transform] function applied to each pair of elements.\n * The returned list has length of the shortest array.\n * \n * @sample\n samples.collections.Iterables.Operations.zipIterableWithTransform\n\n*/\n\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun <V> UShortArray.zip(other: UShortArray, transform: (a: UShort, b: UShort) -> V): List<V> {\n    val size = minOf(size, other.size)\n    val list = ArrayList<V>(size)\n    for (i in 0 until size) {\n        list.add(transform(this[i], other[i]))\n    }\n    return list\n}\n\n/**\n * Returns the sum of all elements in the array.\n\n*/\n\n@kotlin.jvm.JvmName("sumOfUInt")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun Array<out UInt>.sum(): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum += element\n    }\n}

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return sum\n}\n\n/**\n * Returns the sum of all elements in the array.\n
*\n@kotlin.jvm.JvmName("sumOfULong")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Array<out ULong>.sum(): ULong {\n    var sum: ULong = 0u\n    for (element in this) {\n        sum += element\n
}\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the array.\n
*\n@kotlin.jvm.JvmName("sumOfUByte")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Array<out UByte>.sum(): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum += element\n
}\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the array.\n
*\n@kotlin.jvm.JvmName("sumOfUShort")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Array<out UShort>.sum(): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum += element\n
}\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntArray.sum(): UInt {\n    return storage.sum().toUInt()\n}\n\n/**\n * Returns the sum of all elements in the
array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongArray.sum(): ULong {\n    return storage.sum().toULong()\n}\n\n/**\n * Returns the sum of all elements in
the array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UByteArray.sum(): UInt {\n    return sumBy { it.toUInt() }\n}\n\n/**\n * Returns the sum of all elements in the
array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UShortArray.sum(): UInt {\n    return sumBy { it.toUInt() }\n}\n\n"/\n * Copyright 2010-2019 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n
* Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n
*\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("UCollectionsKt")\n\npackage
kotlin.collections\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\nimport
kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Returns an array of UByte containing all of the
elements of this collection.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Collection<UByte>.toUByteArray(): UByteArray {\n    val result = UByteArray(size)\n    var index = 0\n    for
(element in this)\n        result[index++] = element\n    return result\n}\n\n/**\n * Returns an array of UInt
containing all of the elements of this collection.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Collection<UInt>.toUIntArray(): UIntArray {\n    val result = UIntArray(size)\n    var index = 0\n    for (element
in this)\n        result[index++] = element\n    return result\n}\n\n/**\n * Returns an array of ULong
containing all of the elements of this collection.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Collection<ULong>.toULongArray(): ULongArray {\n    val result = ULongArray(size)\n    var index = 0\n    for
(element in this)\n        result[index++] = element\n    return result\n}\n\n/**\n * Returns an array of UShort
containing all of the elements of this collection.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun Collection<UShort>.toUShortArray():
UShortArray {\n    val result = UShortArray(size)\n    var index = 0\n    for (element in this)\n        result[index++] =
element\n    return result\n}\n\n/**\n * Returns the sum of all elements in the collection.\n
*\n@kotlin.jvm.JvmName("sumOfUInt")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Iterable<UInt>.sum(): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum += element\n
}\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the collection.\n
*\n@kotlin.jvm.JvmName("sumOfULong")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Iterable<ULong>.sum(): ULong {\n    var sum: ULong = 0u\n    for (element in this) {\n        sum += element\n
}\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the collection.\n
*\n@kotlin.jvm.JvmName("sumOfUByte")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Iterable<UByte>.sum(): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum += element\n
}\n    return sum\n}\n\n/**\n * Returns the sum of all elements in the collection.\n
*\n@kotlin.jvm.JvmName("sumOfUShort")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Iterable<UShort>.sum(): UInt {\n    var sum: UInt = 0u\n    for (element in this) {\n        sum += element\n
}\n    return sum\n}\n

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return sum\n}\n\n", /*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n
* Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("UComparisonsKt")\n\npackage
kotlin.comparisons\n\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\n\n/**\n * Returns the
greater of two values.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun maxOf(a: UInt, b:
UInt): UInt {\n    return if (a >= b) a else b\n}\n\n/**\n * Returns the greater of two values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun maxOf(a: ULong, b: ULong): ULong {\n
return if (a >= b) a else b\n}\n\n/**\n * Returns the greater of two values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun maxOf(a: UByte, b: UByte): UByte {\n
return if (a >= b) a else b\n}\n\n/**\n * Returns the greater of two values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun maxOf(a: UShort, b: UShort): UShort {\n
return if (a >= b) a else b\n}\n\n/**\n * Returns the greater of three values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
maxOf(a: UInt, b: UInt, c: UInt): UInt {\n    return maxOf(a, maxOf(b, c))\n}\n\n/**\n * Returns the greater of three
values.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
fun maxOf(a: ULong, b: ULong, c: ULong): ULong {\n    return maxOf(a, maxOf(b, c))\n}\n\n/**\n * Returns the
greater of three values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
maxOf(a: UByte, b: UByte, c: UByte): UByte {\n    return maxOf(a, maxOf(b, c))\n}\n\n/**\n * Returns the greater
of three values.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic
inline fun maxOf(a: UShort, b: UShort, c: UShort): UShort {\n    return maxOf(a, maxOf(b, c))\n}\n\n/**\n *
Returns the smaller of two values.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
minOf(a: UInt, b: UInt): UInt {\n    return if (a <= b) a else b\n}\n\n/**\n * Returns the smaller of two values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun minOf(a: ULong, b: ULong): ULong {\n
return if (a <= b) a else b\n}\n\n/**\n * Returns the smaller of two values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun minOf(a: UByte, b: UByte): UByte {\n
return if (a <= b) a else b\n}\n\n/**\n * Returns the smaller of two values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun minOf(a: UShort, b: UShort): UShort {\n
return if (a <= b) a else b\n}\n\n/**\n * Returns the smaller of three values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
minOf(a: UInt, b: UInt, c: UInt): UInt {\n    return minOf(a, minOf(b, c))\n}\n\n/**\n * Returns the smaller of three
values.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
fun minOf(a: ULong, b: ULong, c: ULong): ULong {\n    return minOf(a, minOf(b, c))\n}\n\n/**\n * Returns the
smaller of three values.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
minOf(a: UByte, b: UByte, c: UByte): UByte {\n    return minOf(a, minOf(b, c))\n}\n\n/**\n * Returns the smaller
of three values.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic
inline fun minOf(a: UShort, b: UShort, c: UShort): UShort {\n    return minOf(a, minOf(b, c))\n}\n\n", /*\n *
Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is
governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("URangesKt")\n\npackage
kotlin.ranges\n\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\nimport kotlin.random.*\n\n/**\n * Returns a
random element from this range.\n * \n * @throws IllegalArgumentException if this range is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
UIntRange.random(): UInt {\n    return random(Random)\n}\n\n/**\n * Returns a random element from this range.\n
* \n * @throws IllegalArgumentException if this range is empty.\n

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun
ULongRange.random(): ULong {\n    return random(Random)\n}\n\n/**\n * Returns a random element from this
range using the specified source of randomness.\n * \n * @throws IllegalArgumentException if this range is
empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntRange.random(random:
Random): UInt {\n    try {\n        return random.nextUInt(this)\n    } catch(e: IllegalArgumentException) {\n
throw NoSuchElementException(e.message)\n    }\n}\n\n/**\n * Returns a random element from this range using
the specified source of randomness.\n * \n * @throws IllegalArgumentException if this range is empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongRange.random(random: Random):
ULong {\n    try {\n        return random.nextULong(this)\n    } catch(e: IllegalArgumentException) {\n        throw
NoSuchElementException(e.message)\n    }\n}\n\n/**\n * Returns `true` if this range contains the specified
[element].\n * \n * Always returns `false` if the [element] is `null`.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline operator fun
UIntRange.contains(element: UInt?): Boolean {\n    return element != null && contains(element)\n}\n\n/**\n *
Returns `true` if this range contains the specified [element].\n * \n * Always returns `false` if the [element] is
`null`.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline
operator fun ULongRange.contains(element: ULong?): Boolean {\n    return element != null &&
contains(element)\n}\n\n/**\n * Checks if the specified [value] belongs to this range.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic operator fun UIntRange.contains(value:
UByte): Boolean {\n    return contains(value.toInt())\n}\n\n/**\n * Checks if the specified [value] belongs to this
range.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic operator fun ULongRange.contains(value: UByte): Boolean {\n    return contains(value.toULong())\n}\n\n/**\n * Checks if the
specified [value] belongs to this range.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic
operator fun ULongRange.contains(value: UInt): Boolean {\n    return contains(value.toULong())\n}\n\n/**\n *
Checks if the specified [value] belongs to this range.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic operator fun UIntRange.contains(value:
ULong): Boolean {\n    return (value shr UInt.SIZE_BITS) == 0uL && contains(value.toInt())\n}\n\n/**\n *
Checks if the specified [value] belongs to this range.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic operator fun UIntRange.contains(value:
UShort): Boolean {\n    return contains(value.toInt())\n}\n\n/**\n * Checks if the specified [value] belongs to this
range.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic operator fun ULongRange.contains(value: UShort): Boolean {\n    return contains(value.toULong())\n}\n\n/**\n * Returns a
progression from this value down to the specified [to] value with the step -1.\n * \n * The [to] value should be less
than or equal to `this` value.\n * \n * If the [to] value is greater than `this` value the returned progression is empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UByte.downTo(to: UByte):
UIntProgression {\n    return UIntProgression.fromClosedRange(this.toInt(), to.toInt(), -1)\n}\n\n/**\n * Returns
a progression from this value down to the specified [to] value with the step -1.\n * \n * The [to] value should be less
than or equal to `this` value.\n * \n * If the [to] value is greater than `this` value the returned progression is empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UInt.downTo(to: UInt):
UIntProgression {\n    return UIntProgression.fromClosedRange(this, to, -1)\n}\n\n/**\n * Returns a progression
from this value down to the specified [to] value with the step -1.\n * \n * The [to] value should be less than or equal
to `this` value.\n * \n * If the [to] value is greater than `this` value the returned progression is empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun ULong.downTo(to: ULong):
ULongProgression {\n    return ULongProgression.fromClosedRange(this, to, -1L)\n}\n\n/**\n * Returns a
progression from this value down to the specified [to] value with the step -1.\n * \n * The [to] value should be less
than or equal to `this` value.\n * \n * If the [to] value is greater than `this` value the returned progression is empty.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UShort.downTo(to: UShort):
UIntProgression {\n    return UIntProgression.fromClosedRange(this.toInt(), to.toInt(), -1)\n}\n\n/**\n * Returns
a progression that goes over the same range in the opposite direction with the same step.\n */

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*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UIntProgression.reversed():
UIntProgression {\n    return UIntProgression.fromClosedRange(last, first, -step)\n}\n\n/**\n * Returns a
progression that goes over the same range in the opposite direction with the same step.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULongProgression.reversed():
ULongProgression {\n    return ULongProgression.fromClosedRange(last, first, -step)\n}\n\n/**\n * Returns a
progression that goes over the same range with the given step.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UIntProgression.step(step: Int):
UIntProgression {\n    checkStepIsPositive(step > 0, step)\n    return UIntProgression.fromClosedRange(first, last, if
(this.step > 0) step else -step)\n}\n\n/**\n * Returns a progression that goes over the same range with the given
step.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun ULongProgression.step(step:
Long): ULongProgression {\n    checkStepIsPositive(step > 0, step)\n    return
ULongProgression.fromClosedRange(first, last, if (this.step > 0) step else -step)\n}\n\n/**\n * Returns a range from
this value up to but excluding the specified [to] value.\n * \n * If the [to] value is less than or equal to `this` value,
then the returned range is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun
UByte.until(to: UByte): UIntRange {\n    if (to <= UByte.MIN_VALUE) return UIntRange.EMPTY\n    return
this.toUInt() .. (to - 1u).toUInt()\n}\n\n/**\n * Returns a range from this value up to but excluding the specified [to]
value.\n * \n * If the [to] value is less than or equal to `this` value, then the returned range is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UInt.until(to: UInt): UIntRange {\n
if (to <= UInt.MIN_VALUE) return UIntRange.EMPTY\n    return this .. (to - 1u).toUInt()\n}\n\n/**\n * Returns a
range from this value up to but excluding the specified [to] value.\n * \n * If the [to] value is less than or equal to
`this` value, then the returned range is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun ULong.until(to: ULong): ULongRange {\n
if (to <= ULong.MIN_VALUE) return
ULongRange.EMPTY\n    return this .. (to - 1u).toULong()\n}\n\n/**\n * Returns a range from this value up to but
excluding the specified [to] value.\n * \n * If the [to] value is less than or equal to `this` value, then the returned
range is empty.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic infix fun UShort.until(to:
UShort): UIntRange {\n    if (to <= UShort.MIN_VALUE) return UIntRange.EMPTY\n    return this.toUInt() .. (to -
1u).toUInt()\n}\n\n/**\n * Ensures that this value is not less than the specified [minimumValue].\n * \n * @return
this value if it's greater than or equal to the [minimumValue] or the [minimumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtLeastUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UInt.coerceAtLeast(minimumValue: UInt):
UInt {\n    return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value is not less
than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the [minimumValue]
or the [minimumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtLeastUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULong.coerceAtLeast(minimumValue:
ULong): ULong {\n    return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this
value is not less than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the
[minimumValue] or the [minimumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtLeastUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByte.coerceAtLeast(minimumValue:
UByte): UByte {\n    return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this value
is not less than the specified [minimumValue].\n * \n * @return this value if it's greater than or equal to the
[minimumValue] or the [minimumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtLeastUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShort.coerceAtLeast(minimumValue:
UShort): UShort {\n    return if (this < minimumValue) minimumValue else this\n}\n\n/**\n * Ensures that this
value is not greater than the specified [maximumValue].\n * \n * @return this value if it's less than or equal to the
[maximumValue] or the [maximumValue] otherwise.\n * \n * @sample

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samples.comparisons.ComparableOps.coerceAtMostUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UInt.coerceAtMost(maximumValue: UInt):
UInt {\n    return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this value is not
greater than the specified [maximumValue].\n * \n * @return this value if it's less than or equal to the
[maximumValue] or the [maximumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtMostUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULong.coerceAtMost(maximumValue:
ULong): ULong {\n    return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this
value is not greater than the specified [maximumValue].\n * \n * @return this value if it's less than or equal to the
[maximumValue] or the [maximumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtMostUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByte.coerceAtMost(maximumValue:
UByte): UByte {\n    return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this
value is not greater than the specified [maximumValue].\n * \n * @return this value if it's less than or equal to the
[maximumValue] or the [maximumValue] otherwise.\n * \n * @sample
samples.comparisons.ComparableOps.coerceAtMostUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShort.coerceAtMost(maximumValue:
UShort): UShort {\n    return if (this > maximumValue) maximumValue else this\n}\n\n/**\n * Ensures that this
value lies in the specified range [minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range,
or [minimumValue] if this value is less than [minimumValue], or [maximumValue] if this value is greater than
[maximumValue].\n * \n * @sample samples.comparisons.ComparableOps.coerceInUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UInt.coerceIn(minimumValue: UInt,
maximumValue: UInt): UInt {\n    if (minimumValue > maximumValue) throw IllegalArgumentException("Cannot
coerce value to an empty range: maximum $maximumValue is less than minimum $minimumValue.")\n    if (this <
minimumValue) return minimumValue\n    if (this > maximumValue) return maximumValue\n    return
this\n}\n\n/**\n * Ensures that this value lies in the specified range [minimumValue]..[maximumValue].\n * \n *
@return this value if it's in the range, or [minimumValue] if this value is less than [minimumValue], or
[maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceInUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULong.coerceIn(minimumValue: ULong,
maximumValue: ULong): ULong {\n    if (minimumValue > maximumValue) throw
IllegalArgumentException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n    if (this > maximumValue)
return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceInUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UByte.coerceIn(minimumValue: UByte,
maximumValue: UByte): UByte {\n    if (minimumValue > maximumValue) throw
IllegalArgumentException("Cannot coerce value to an empty range: maximum $maximumValue is less than
minimum $minimumValue.")\n    if (this < minimumValue) return minimumValue\n    if (this > maximumValue)
return maximumValue\n    return this\n}\n\n/**\n * Ensures that this value lies in the specified range
[minimumValue]..[maximumValue].\n * \n * @return this value if it's in the range, or [minimumValue] if this value
is less than [minimumValue], or [maximumValue] if this value is greater than [maximumValue].\n * \n * @sample
samples.comparisons.ComparableOps.coerceInUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UShort.coerceIn(minimumValue: UShort,
maximumValue: UShort): UShort {\n    if (minimumValue > maximumValue) throw
IllegalArgumentException("Cannot coerce value to an empty range: maximum $maximumValue is less than

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minimum $minimumValue.)\n if (this < minimumValue) return minimumValue\n if (this > maximumValue)
return maximumValue\n return this\n}\n\n/**\n * Ensures that this value lies in the specified [range].\n * \n *
@return this value if it's in the [range], or `range.start` if this value is less than `range.start`, or `range.endInclusive`
if this value is greater than `range.endInclusive`.\n * \n * @sample
samples.comparisons.ComparableOps.coerceInUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun UInt.coerceIn(range: ClosedRange<UInt>):
UInt {\n if (range is ClosedFloatingPointRange) {\n return this.coerceIn<UInt>(range)\n }\n if
(range.isEmpty()) throw IllegalArgumentException("Cannot coerce value to an empty range: $range.")\n return
when {\n this < range.start -> range.start\n this > range.endInclusive -> range.endInclusive\n else ->
this\n }\n}\n\n/**\n * Ensures that this value lies in the specified [range].\n * \n * @return this value if it's in the
[range], or `range.start` if this value is less than `range.start`, or `range.endInclusive` if this value is greater than
`range.endInclusive`.\n * \n * @sample samples.comparisons.ComparableOps.coerceInUnsigned\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun ULong.coerceIn(range:
ClosedRange<ULong>): ULong {\n if (range is ClosedFloatingPointRange) {\n return
this.coerceIn<ULong>(range)\n }\n if (range.isEmpty()) throw IllegalArgumentException("Cannot coerce value
to an empty range: $range.")\n return when {\n this < range.start -> range.start\n this >
range.endInclusive -> range.endInclusive\n else -> this\n }\n}\n\n", "/*\n * Copyright 2010-2019 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n
*\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("USequencesKt")\n\npackage
kotlin.sequences\n\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n\n\nimport kotlin.random.*\n\n/**\n * Returns the
sum of all elements in the sequence.\n * \n * The operation is _terminal_.\n
*\n@kotlin.jvm.JvmName("sumOfUInt")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Sequence<UInt>.sum(): UInt {\n var sum: UInt = 0u\n for (element in this) {\n sum += element\n }\n
return sum\n}\n\n/**\n * Returns the sum of all elements in the sequence.\n * \n * The operation is _terminal_.\n
*\n@kotlin.jvm.JvmName("sumOfULong")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Sequence<ULong>.sum(): ULong {\n var sum: ULong = 0uL\n for (element in this) {\n sum += element\n
}\n return sum\n}\n\n/**\n * Returns the sum of all elements in the sequence.\n * \n * The operation is
_terminal_.\n
*\n@kotlin.jvm.JvmName("sumOfUByte")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Sequence<UByte>.sum(): UInt {\n var sum: UInt = 0u\n for (element in this) {\n sum += element\n }\n
return sum\n}\n\n/**\n * Returns the sum of all elements in the sequence.\n * \n * The operation is _terminal_.\n
*\n@kotlin.jvm.JvmName("sumOfUShort")\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Sequence<UShort>.sum(): UInt {\n var sum: UInt = 0u\n for (element in this) {\n sum += element\n }\n
return sum\n}\n\n", "/*\n * Copyright 2010-2015 JetBrains s.r.o.\n * \n * Licensed under the Apache License,
Version 2.0 (the "License");\n * you may not use this file except in compliance with the License.\n * You may
obtain a copy of the License at\n * \n * http://www.apache.org/licenses/LICENSE-2.0\n * \n * Unless required by
applicable law or agreed to in writing, software\n * distributed under the License is distributed on an "AS IS"
BASIS,\n * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.\n * See the
License for the specific language governing permissions and\n * limitations under the License.\n *\n@kotlin.collections\n\nimport kotlin.internal.PlatformDependent\n\n/**\n * Classes that inherit from this interface can
be represented as a sequence of elements that can\n * be iterated over.\n * @param T the type of element being
iterated over. The iterator is covariant on its element type.\n *\npublic interface Iterable<out T> {\n /**\n *
Returns an iterator over the elements of this object.\n * \n *\n public operator fun iterator(): Iterator<T>\n}\n\n/**\n * Classes that inherit from this interface can be represented as a sequence of elements that can\n * be iterated over
and that supports removing elements during iteration.\n * @param T the type of element being iterated over. The
mutable iterator is invariant on its element type.\n *\npublic interface MutableIterable<out T> : Iterable<T> {\n

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/**\n * Returns an iterator over the elements of this sequence that supports removing elements during iteration.\n
*\n override fun iterator(): MutableIterator<T>\n}\n\n/**\n * A generic collection of elements. Methods in this
interface support only read-only access to the collection;\n * read/write access is supported through the
[MutableCollection] interface.\n * @param E the type of elements contained in the collection. The collection is
covariant on its element type.\n *\npublic interface Collection<out E> : Iterable<E> {\n // Query Operations\n
/**\n * Returns the size of the collection.\n *\n public val size: Int\n\n /**\n * Returns `true` if the
collection is empty (contains no elements), `false` otherwise.\n *\n public fun isEmpty(): Boolean\n\n /**\n
* Checks if the specified element is contained in this collection.\n *\n public operator fun contains(element:
@UnsafeVariance E): Boolean\n\n override fun iterator(): Iterator<E>\n\n // Bulk Operations\n
/**\n * Checks if all elements in the specified collection are contained in this collection.\n *\n public fun
containsAll(elements: Collection<@UnsafeVariance E>): Boolean\n}\n\n/**\n * A generic collection of elements
that supports adding and removing elements.\n *\n * @param E the type of elements contained in the collection. The
mutable collection is invariant on its element type.\n *\npublic interface MutableCollection<E> : Collection<E>,
MutableIterable<E> {\n // Query Operations\n override fun iterator(): MutableIterator<E>\n\n // Modification
Operations\n /**\n * Adds the specified element to the collection.\n *\n * @return `true` if the element has
been added, `false` if the collection does not support duplicates\n * and the element is already contained in the
collection.\n *\n public fun add(element: E): Boolean\n\n /**\n * Removes a single instance of the
specified element from this\n * collection, if it is present.\n *\n * @return `true` if the element has been
successfully removed; `false` if it was not present in the collection.\n *\n public fun remove(element: E):
Boolean\n\n // Bulk Modification Operations\n /**\n * Adds all of the elements of the specified collection to
this collection.\n *\n * @return `true` if any of the specified elements was added to the collection, `false` if the
collection was not modified.\n *\n public fun addAll(elements: Collection<E>): Boolean\n\n /**\n *
Removes all of this collection's elements that are also contained in the specified collection.\n *\n * @return
`true` if any of the specified elements was removed from the collection, `false` if the collection was not modified.\n
*\n public fun removeAll(elements: Collection<E>): Boolean\n\n /**\n * Retains only the elements in this
collection that are contained in the specified collection.\n *\n * @return `true` if any element was removed
from the collection, `false` if the collection was not modified.\n *\n public fun retainAll(elements:
Collection<E>): Boolean\n\n /**\n * Removes all elements from this collection.\n *\n public fun clear():
Unit\n}\n\n/**\n * A generic ordered collection of elements. Methods in this interface support only read-only access
to the list;\n * read/write access is supported through the [MutableList] interface.\n * @param E the type of elements
contained in the list. The list is covariant on its element type.\n *\npublic interface List<out E> : Collection<E> {\n
// Query Operations\n\n override val size: Int\n override fun isEmpty(): Boolean\n override fun
contains(element: @UnsafeVariance E): Boolean\n override fun iterator(): Iterator<E>\n\n // Bulk Operations\n
override fun containsAll(elements: Collection<@UnsafeVariance E>): Boolean\n\n // Positional Access
Operations\n /**\n * Returns the element at the specified index in the list.\n *\n public operator fun
get(index: Int): E\n\n // Search Operations\n /**\n * Returns the index of the first occurrence of the specified
element in the list, or -1 if the specified\n * element is not contained in the list.\n *\n public fun
indexOf(element: @UnsafeVariance E): Int\n\n /**\n * Returns the index of the last occurrence of the specified
element in the list, or -1 if the specified\n * element is not contained in the list.\n *\n public fun
lastIndexOf(element: @UnsafeVariance E): Int\n\n // List Iterators\n /**\n * Returns a list iterator over the
elements in this list (in proper sequence).\n *\n public fun listIterator(): ListIterator<E>\n\n /**\n * Returns
a list iterator over the elements in this list (in proper sequence), starting at the specified [index].\n *\n public
fun listIterator(index: Int): ListIterator<E>\n\n // View\n /**\n * Returns a view of the portion of this list
between the specified [fromIndex] (inclusive) and [toIndex] (exclusive).\n * The returned list is backed by this
list, so non-structural changes in the returned list are reflected in this list, and vice-versa.\n *\n * Structural
changes in the base list make the behavior of the view undefined.\n *\n public fun subList(fromIndex: Int,
toIndex: Int): List<E>\n}\n\n/**\n * A generic ordered collection of elements that supports adding and removing
elements.\n * @param E the type of elements contained in the list. The mutable list is invariant on its element

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type.\n *\npublic interface MutableList<E> : List<E>, MutableCollection<E> {\n // Modification Operations\n /**\n * Adds the specified element to the end of this list.\n *\n * @return `true` because the list is always modified as the result of this operation.\n *\n override fun add(element: E): Boolean\n\n override fun remove(element: E): Boolean\n\n // Bulk Modification Operations\n /**\n * Adds all of the elements of the specified collection to the end of this list.\n *\n * The elements are appended in the order they appear in the [elements] collection.\n *\n * @return `true` if the list was changed as the result of the operation.\n *\n override fun addAll(elements: Collection<E>): Boolean\n\n /**\n * Inserts all of the elements of the specified collection [elements] into this list at the specified [index].\n *\n * @return `true` if the list was changed as the result of the operation.\n *\n public fun addAll(index: Int, elements: Collection<E>): Boolean\n\n override fun removeAll(elements: Collection<E>): Boolean\n\n override fun retainAll(elements: Collection<E>): Boolean\n\n override fun clear(): Unit\n\n // Positional Access Operations\n /**\n * Replaces the element at the specified position in this list with the specified element.\n *\n * @return the element previously at the specified position.\n *\n public operator fun set(index: Int, element: E): E\n\n /**\n * Inserts an element into the list at the specified [index].\n *\n public fun add(index: Int, element: E): Unit\n\n /**\n * Removes an element at the specified [index] from the list.\n *\n * @return the element that has been removed.\n *\n public fun removeAt(index: Int): E\n\n // List Iterators\n override fun listIterator(): MutableListIterator<E>\n\n override fun listIterator(index: Int): MutableListIterator<E>\n\n // View\n override fun subList(fromIndex: Int, toIndex: Int): MutableList<E>\n}\n\n/**\n * A generic unordered collection of elements that does not support duplicate elements.\n * Methods in this interface support only read-only access to the set;\n * read/write access is supported through the [MutableSet] interface.\n * @param E the type of elements contained in the set. The set is covariant on its element type.\n *\npublic interface Set<out E> : Collection<E> {\n // Query Operations\n\n override val size: Int\n\n override fun isEmpty(): Boolean\n\n override fun contains(element: @UnsafeVariance E): Boolean\n\n override fun iterator(): Iterator<E>\n\n // Bulk Operations\n\n override fun containsAll(elements: Collection<@UnsafeVariance E>): Boolean\n}\n\n/**\n * A generic unordered collection of elements that does not support duplicate elements, and supports\n * adding and removing elements.\n * @param E the type of elements contained in the set. The mutable set is invariant on its element type.\n *\npublic interface MutableSet<E> : Set<E>, MutableCollection<E> {\n // Query Operations\n\n override fun iterator(): MutableIterator<E>\n\n // Modification Operations\n\n /**\n * Adds the specified element to the set.\n *\n * @return `true` if the element has been added, `false` if the element is already contained in the set.\n *\n override fun add(element: E): Boolean\n\n override fun remove(element: E): Boolean\n\n // Bulk Modification Operations\n\n override fun addAll(elements: Collection<E>): Boolean\n\n override fun removeAll(elements: Collection<E>): Boolean\n\n override fun retainAll(elements: Collection<E>): Boolean\n\n override fun clear(): Unit\n}\n\n/**\n * A collection that holds pairs of objects (keys and values) and supports efficiently retrieving\n * the value corresponding to each key. Map keys are unique; the map holds only one value for each key.\n * Methods in this interface support only read-only access to the map; read-write access is supported through\n * the [MutableMap] interface.\n * @param K the type of map keys. The map is invariant on its key type, as it\n * can accept key as a parameter (of [containsKey] for example) and return it in [keys] set.\n * @param V the type of map values. The map is covariant on its value type.\n *\npublic interface Map<K, out V> {\n // Query Operations\n\n /**\n * Returns the number of key/value pairs in the map.\n *\n public val size: Int\n\n /**\n * Returns `true` if the map is empty (contains no elements), `false` otherwise.\n *\n public fun isEmpty(): Boolean\n\n /**\n * Returns `true` if the map contains the specified [key].\n *\n public fun containsKey(key: K): Boolean\n\n /**\n * Returns `true` if the map maps one or more keys to the specified [value].\n *\n public fun containsValue(value: @UnsafeVariance V): Boolean\n\n /**\n * Returns the value corresponding to the given [key], or `null` if such a key is not present in the map.\n *\n public operator fun get(key: K): V?\n\n /**\n * Returns the value corresponding to the given [key], or [defaultValue] if such a key is not present in the map.\n *\n * @since JDK 1.8\n *\n @SinceKotlin("1.1")\n @PlatformDependent\n public fun getOrDefault(key: K, defaultValue: @UnsafeVariance V): V {\n // See default implementation in JDK sources\n return null as V\n }\n\n // Views\n /**\n * Returns a read-only [Set] of all keys in this map.\n *\n public val keys: Set<K>\n\n /**\n
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    * Returns a read-only [Collection] of all values in this map. Note that this collection may contain duplicate
values.\n    */\n    public val values: Collection<V>\n\n    /**\n    * Returns a read-only [Set] of all key/value pairs
in this map.\n    */\n    public val entries: Set<Map.Entry<K, V>>\n\n    /**\n    * Represents a key/value pair held
by a [Map].\n    */\n    public interface Entry<out K, out V> {\n        /**\n        * Returns the key of this key/value
pair.\n        */\n        public val key: K\n\n        /**\n        * Returns the value of this key/value pair.\n        */\n        public val value: V\n    }\n\n    /**\n    * A modifiable collection that holds pairs of objects (keys and values) and
supports efficiently retrieving\n    * the value corresponding to each key. Map keys are unique; the map holds only one
value for each key.\n    * @param K the type of map keys. The map is invariant on its key type.\n    * @param V the
type of map values. The mutable map is invariant on its value type.\n    */\n    public interface MutableMap<K, V> :
Map<K, V> {\n        // Modification Operations\n        /**\n        * Associates the specified [value] with the specified [key]
in the map.\n        */\n        * @return the previous value associated with the key, or `null` if the key was not present in
the map.\n        */\n        public fun put(key: K, value: V): V?\n\n        /**\n        * Removes the specified key and its
corresponding value from this map.\n        */\n        * @return the previous value associated with the key, or `null` if the
key was not present in the map.\n        */\n        public fun remove(key: K): V?\n\n        /**\n        * Removes the entry for the
specified key only if it is mapped to the specified value.\n        */\n        * @return true if entry was removed\n        */\n        @SinceKotlin("1.1")\n        @PlatformDependent\n        public fun remove(key: K, value: V): Boolean {\n            // See
default implementation in JDK sources\n            return true\n        }\n\n        // Bulk Modification Operations\n        /**\n        *
Updates this map with key/value pairs from the specified map [from].\n        */\n        public fun putAll(from: Map<out
K, V>): Unit\n\n        /**\n        * Removes all elements from this map.\n        */\n        public fun clear(): Unit\n\n        //
Views\n        /**\n        * Returns a [MutableSet] of all keys in this map.\n        */\n        override val keys:
MutableSet<K>\n\n        /**\n        * Returns a [MutableCollection] of all values in this map. Note that this collection
may contain duplicate values.\n        */\n        override val values: MutableCollection<V>\n\n        /**\n        * Returns a
[MutableSet] of all key/value pairs in this map.\n        */\n        override val entries:
MutableSet<MutableMap.MutableEntry<K, V>>\n\n        /**\n        * Represents a key/value pair held by a
[MutableMap].\n        */\n        public interface MutableEntry<K, V> : Map.Entry<K, V> {\n            /**\n            * Changes
the value associated with the key of this entry.\n            */\n            * @return the previous value corresponding to the
key.\n            */\n            public fun setValue(newValue: V): V\n        }\n\n        /**\n        * Copyright 2010-2019 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n        * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n        */\n\n        // Auto-generated file. DO NOT EDIT!\n\n        package
kotlin.collections\n\n        /**\n        * An iterator over a sequence of values of type `Byte`.\n        */\n        public abstract class ByteIterator :
Iterator<Byte> {\n            override final fun next() = nextByte()\n\n            /**\n            * Returns the next value in the sequence without
boxing.\n            */\n            public abstract fun nextByte(): Byte\n        }\n\n        /**\n        * An iterator over a sequence of values of type `Char`.\n        */\n        public abstract class CharIterator : Iterator<Char> {\n            override final fun next() = nextChar()\n\n            /**\n            * Returns
the next value in the sequence without boxing.\n            */\n            public abstract fun nextChar(): Char\n        }\n\n        /**\n        * An iterator over
a sequence of values of type `Short`.\n        */\n        public abstract class ShortIterator : Iterator<Short> {\n            override final fun
next() = nextShort()\n\n            /**\n            * Returns the next value in the sequence without boxing.\n            */\n            public abstract fun
nextShort(): Short\n        }\n\n        /**\n        * An iterator over a sequence of values of type `Int`.\n        */\n        public abstract class IntIterator :
Iterator<Int> {\n            override final fun next() = nextInt()\n\n            /**\n            * Returns the next value in the sequence without
boxing.\n            */\n            public abstract fun nextInt(): Int\n        }\n\n        /**\n        * An iterator over a sequence of values of type `Long`.\n        */\n        public abstract class LongIterator : Iterator<Long> {\n            override final fun
next() = nextLong()\n\n            /**\n            * Returns the next value in the sequence without boxing.\n            */\n            public abstract fun
nextLong(): Long\n        }\n\n        /**\n        * An iterator
over a sequence of values of type `Float`.\n        */\n        public abstract class FloatIterator : Iterator<Float> {\n            override final
fun next() = nextFloat()\n\n            /**\n            * Returns the next value in the sequence without boxing.\n            */\n            public abstract fun
nextFloat(): Float\n        }\n\n        /**\n        * An iterator over a sequence of values of type `Double`.\n        */\n        public abstract class
DoubleIterator : Iterator<Double> {\n            override final fun next() = nextDouble()\n\n            /**\n            * Returns the next value in
the sequence without boxing.\n            */\n            public abstract fun nextDouble(): Double\n        }\n\n        /**\n        * An iterator over a sequence
of values of type `Boolean`.\n        */\n        public abstract class BooleanIterator : Iterator<Boolean> {\n            override final fun
next() = nextBoolean()\n\n            /**\n            * Returns the next value in the sequence without boxing.\n            */\n            public abstract fun

```

```

nextBoolean(): Boolean\n}\n\n",/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\n// Auto-generated file. DO NOT EDIT!\n\npackage kotlin.ranges\n\n/**\n * An
iterator over a progression of values of type `Char`.\n * @property step the number by which the value is
incremented on each step.\n */\n\ninternal class CharProgressionIterator(first: Char, last: Char, val step: Int) :
CharIterator() {\n    private val finalElement = last.toInt()\n    private var hasNext: Boolean = if (step > 0) first <=
last else first >= last\n    private var next = if (hasNext) first.toInt() else finalElement\n\n    override fun hasNext():
Boolean = hasNext\n\n    override fun nextChar(): Char {\n        val value = next\n        if (value == finalElement)
{\n            if (!hasNext) throw kotlin.NoSuchElementException()\n            hasNext = false\n        }\n        else {\n
            next += step\n        }\n        return value.toChar()\n    }\n}\n\n/**\n * An iterator over a progression of values of
type `Int`.\n * @property step the number by which the value is incremented on each step.\n */\n\ninternal class
IntProgressionIterator(first: Int, last: Int, val step: Int) : IntIterator() {\n    private val finalElement = last\n    private
var hasNext: Boolean = if (step > 0) first <= last else first >= last\n    private var next = if (hasNext) first else
finalElement\n\n    override fun hasNext(): Boolean = hasNext\n\n    override fun nextInt(): Int {\n        val value =
next\n        if (value == finalElement) {\n            if (!hasNext) throw kotlin.NoSuchElementException()\n
            hasNext = false\n        }\n        else {\n            next += step\n        }\n        return value\n    }\n}\n\n/**\n * An iterator
over a progression of values of type `Long`.\n * @property step the number by which the value is incremented on
each step.\n */\n\ninternal class LongProgressionIterator(first: Long, last: Long, val step: Long) : LongIterator() {\n
private val finalElement = last\n    private var hasNext: Boolean = if (step > 0) first <= last else first >= last\n
private var next = if (hasNext) first else finalElement\n\n    override fun hasNext(): Boolean = hasNext\n\n    override
fun nextLong(): Long {\n        val value = next\n        if (value == finalElement) {\n            if (!hasNext)
throw kotlin.NoSuchElementException()\n            hasNext = false\n        }\n        else {\n            next += step\n
        }\n        return value\n    }\n}\n\n",/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\n// Auto-generated file. DO NOT EDIT!\n\npackage kotlin.ranges\n\nimport
kotlin.internal.getProgressionLastElement\n\n/**\n * A progression of values of type `Char`.\n */\n\npublic open class
CharProgression\n    internal constructor\n        (\n            start: Char,\n            endInclusive: Char,\n            step: Int\n
        ) : Iterable<Char> {\n    init {\n        if (step == 0) throw kotlin.IllegalArgumentException("\u0027Step must be non-
zero.\u0027")\n        if (step == Int.MIN_VALUE) throw kotlin.IllegalArgumentException("\u0027Step must be greater than
Int.MIN_VALUE to avoid overflow on negation.\u0027")\n    }\n\n    /**\n     * The first element in the progression.\n
*/\n    public val first: Char = start\n\n    /**\n     * The last element in the progression.\n */\n    public val last:
Char = getProgressionLastElement(start.toInt(), endInclusive.toInt(), step).toChar()\n\n    /**\n     * The step of the
progression.\n */\n    public val step: Int = step\n\n    override fun iterator(): CharIterator =
CharProgressionIterator(first, last, step)\n\n    /** Checks if the progression is empty. */\n    public open fun
isEmpty(): Boolean = if (step > 0) first > last else first < last\n\n    override fun equals(other: Any?): Boolean =\n        other is CharProgression && (isEmpty() && other.isEmpty()) ||\n            first == other.first && last == other.last &&
step == other.step\n\n    override fun hashCode(): Int =\n        if (isEmpty()) -1 else (31 * (31 * first.toInt() +
last.toInt()) + step)\n\n    override fun toString(): String = if (step > 0) "$first..$last step $step" else "$first downTo
$last step ${-step}"\n\n    companion object {\n        /**\n         * Creates CharProgression within the specified
bounds of a closed range.\n         * The progression starts with the [rangeStart] value and goes toward the
[rangeEnd] value not excluding it, with the specified [step].\n         * In order to go backwards the [step] must be
negative.\n         * [step] must be greater than `Int.MIN_VALUE` and not equal to zero.\n         */\n        public fun fromClosedRange(rangeStart: Char, rangeEnd: Char, step: Int): CharProgression =
CharProgression(rangeStart, rangeEnd, step)\n    }\n}\n\n/**\n * A progression of values of type `Int`.\n */\n\npublic
open class IntProgression\n    internal constructor\n        (\n            start: Int,\n            endInclusive: Int,\n            step:
Int\n        ) : Iterable<Int> {\n    init {\n        if (step == 0) throw kotlin.IllegalArgumentException("\u0027Step must be non-
zero.\u0027")\n        if (step == Int.MIN_VALUE) throw kotlin.IllegalArgumentException("\u0027Step must be greater than
Int.MIN_VALUE to avoid overflow on negation.\u0027")\n    }\n\n    /**\n     * The first element in the progression.\n
*/\n}

```

```

*/\n public val first: Int = start\n\n /**\n * The last element in the progression.\n */\n public val last: Int =
getProgressionLastElement(start.toInt(), endInclusive.toInt(), step).toInt()\n\n /**\n * The step of the
progression.\n */\n public val step: Int = step\n\n override fun iterator(): IntIterator =
IntProgressionIterator(first, last, step)\n\n /** Checks if the progression is empty. */\n public open fun
isEmpty(): Boolean = if (step > 0) first > last else first < last\n\n override fun equals(other: Any?): Boolean =\n
other is IntProgression && (isEmpty() && other.isEmpty()) ||\n first == other.first && last == other.last &&
step == other.step)\n\n override fun hashCode(): Int =\n if (isEmpty()) -1 else (31 * (31 * first + last) +
step)\n\n override fun toString(): String = if (step > 0) \"$first..$last step $step\" else \"$first downTo $last step ${-
step}\"\n\n companion object {\n /**\n * Creates IntProgression within the specified bounds of a closed
range.\n\n * The progression starts with the [rangeStart] value and goes toward the [rangeEnd] value not
excluding it, with the specified [step].\n\n * In order to go backwards the [step] must be negative.\n\n * [step] must be greater than `Int.MIN_VALUE` and not equal to zero.\n\n */\n public fun
fromClosedRange(rangeStart: Int, rangeEnd: Int, step: Int): IntProgression = IntProgression(rangeStart, rangeEnd,
step)\n } }\n\n /**\n * A progression of values of type `Long`.\n */\n public open class LongProgression\n
internal constructor\n (start: Long,\n endInclusive: Long,\n step: Long\n ) :
Iterable<Long> {\n init {\n if (step == 0L) throw kotlin.IllegalArgumentException(\"Step must be non-
zero.\")\n if (step == Long.MIN_VALUE) throw kotlin.IllegalArgumentException(\"Step must be greater than
Long.MIN_VALUE to avoid overflow on negation.\")\n }\n\n /**\n * The first element in the progression.\n\n */\n public val first: Long = start\n\n /**\n * The last element in the progression.\n\n */\n public val last:
Long = getProgressionLastElement(start.toLong(), endInclusive.toLong(), step).toLong()\n\n /**\n * The step
of the progression.\n\n */\n public val step: Long = step\n\n override fun iterator(): LongIterator =
LongProgressionIterator(first, last, step)\n\n /** Checks if the progression is empty. */\n public open fun
isEmpty(): Boolean = if (step > 0) first > last else first < last\n\n override fun equals(other: Any?): Boolean =\n
other is LongProgression && (isEmpty() && other.isEmpty()) ||\n first == other.first && last == other.last &&
step == other.step)\n\n override fun hashCode(): Int =\n if (isEmpty()) -1 else (31 * (31 * (first xor (first ushr
32)) + (last xor (last ushr 32))) + (step xor (step ushr 32))).toInt()\n\n override fun toString(): String = if (step > 0)
\"$first..$last step $step\" else \"$first downTo $last step ${-step}\"\n\n companion object {\n /**\n *
Creates LongProgression within the specified bounds of a closed range.\n\n * The progression starts with the
[rangeStart] value and goes toward the [rangeEnd] value not excluding it, with the specified [step].\n\n * In order
to go backwards the [step] must be negative.\n\n * [step] must be greater than `Long.MIN_VALUE` and
not equal to zero.\n\n */\n public fun fromClosedRange(rangeStart: Long, rangeEnd: Long, step: Long):
LongProgression = LongProgression(rangeStart, rangeEnd, step)\n } }\n\n \"\", \"\", \"/*\n * Copyright 2010-2019
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n package kotlin.ranges\n\n /**\n *
Represents a range of values (for example, numbers or characters).\n * See the [Kotlin language
documentation](https://kotlinlang.org/docs/reference/ranges.html) for more information.\n */\n public interface
ClosedRange<T: Comparable<T>> {\n /**\n * The minimum value in the range.\n\n */\n public val start:
T\n\n /**\n * The maximum value in the range (inclusive).\n\n */\n public val endInclusive: T\n\n /**\n *
Checks whether the specified [value] belongs to the range.\n\n */\n public operator fun contains(value: T):
Boolean = value >= start && value <= endInclusive\n\n /**\n * Checks whether the range is empty.\n\n */\n\n
public fun isEmpty(): Boolean = start > endInclusive\n } }\n\n \"\", \"/*\n * Copyright 2010-2015 JetBrains s.r.o.\n *
Licensed under the Apache License, Version 2.0 (the \"License\");\n * you may not use this file except in
compliance with the License.\n * You may obtain a copy of the License at\n *
http://www.apache.org/licenses/LICENSE-2.0\n * Unless required by applicable law or agreed to in writing,
software\n * distributed under the License is distributed on an \"AS IS\" BASIS,\n * WITHOUT WARRANTIES
OR CONDITIONS OF ANY KIND, either express or implied.\n * See the License for the specific language
governing permissions and\n * limitations under the License.\n */\n\n package kotlin\n\n /**\n * The type with only
one value: the `Unit` object. This type corresponds to the `void` type in Java.\n */\n public object Unit {\n override

```

```

fun toString() = \"kotlin.Unit\"}\n\";/*\n * Copyright 2010-2015 JetBrains s.r.o.\n * Licensed under the
Apache License, Version 2.0 (the \"License\");\n * you may not use this file except in compliance with the
License.\n * You may obtain a copy of the License at\n * http://www.apache.org/licenses/LICENSE-2.0\n *
Unless required by applicable law or agreed to in writing, software\n * distributed under the License is distributed
on an \"AS IS\" BASIS,\n * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or
implied.\n * See the License for the specific language governing permissions and\n * limitations under the
License.\n */\n\npackage kotlin.annotation\n\nimport kotlin.annotation.AnnotationTarget.*\n\n/**\n * Contains the
list of code elements which are the possible annotation targets\n */\npublic enum class AnnotationTarget {\n /**
Class, interface or object, annotation class is also included *\n CLASS,\n /** Annotation class only *\n
ANNOTATION_CLASS,\n /** Generic type parameter (unsupported yet) *\n TYPE_PARAMETER,\n /**
Property *\n PROPERTY,\n /** Field, including property's backing field *\n FIELD,\n /** Local variable
*\n LOCAL_VARIABLE,\n /** Value parameter of a function or a constructor *\n
VALUE_PARAMETER,\n /** Constructor only (primary or secondary) *\n CONSTRUCTOR,\n /**
Function (constructors are not included) *\n FUNCTION,\n /** Property getter only *\n
PROPERTY_GETTER,\n /** Property setter only *\n PROPERTY_SETTER,\n /** Type usage *\n
TYPE,\n /** Any expression *\n EXPRESSION,\n /** File *\n FILE,\n /** Type alias *\n
@SinceKotlin(\"1.1\")\n TYPEALIAS\n}\n\n/**\n * Contains the list of possible annotation's retentions.\n *\n
Determines how an annotation is stored in binary output.\n */\npublic enum class AnnotationRetention {\n /**
Annotation isn't stored in binary output *\n SOURCE,\n /** Annotation is stored in binary output, but invisible
for reflection *\n BINARY,\n /** Annotation is stored in binary output and visible for reflection (default
retention) *\n RUNTIME\n}\n\n/**\n * This meta-annotation indicates the kinds of code elements which are
possible targets of an annotation.\n *\n * If the target meta-annotation is not present on an annotation
declaration,
the annotation is applicable to the following elements:\n * [CLASS], [PROPERTY], [FIELD],
[LOCAL_VARIABLE], [VALUE_PARAMETER], [CONSTRUCTOR], [FUNCTION], [PROPERTY_GETTER],
[PROPERTY_SETTER].\n *\n * @property allowedTargets list of allowed annotation targets\n
*\n *\n * @Target(AnnotationTarget.ANNOTATION_CLASS)\n *\n * @MustBeDocumented\n *\n * public annotation class
Target(vararg val allowedTargets: AnnotationTarget)\n\n/**\n * This meta-annotation determines whether an
annotation is stored in binary output and visible for reflection. By default, both are true.\n *\n * @property value
necessary annotation retention (RUNTIME, BINARY or SOURCE)\n
*\n *\n * @Target(AnnotationTarget.ANNOTATION_CLASS)\n *\n * public annotation class Retention(val value:
AnnotationRetention = AnnotationRetention.RUNTIME)\n\n/**\n * This meta-annotation determines that an
annotation is applicable twice or more on a single code element\n
*\n *\n * @Target(AnnotationTarget.ANNOTATION_CLASS)\n *\n * public annotation class Repeatable\n\n/**\n * This
meta-annotation determines that an annotation is a part of public API and therefore should be included in the
generated\n * documentation for the element to which the annotation is applied.\n
*\n *\n * @Target(AnnotationTarget.ANNOTATION_CLASS)\n *\n * public annotation class MustBeDocumented\n\";/*\n *
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you may not use this file except in compliance with the License.\n * You may obtain a copy of the License at\n
*\n * http://www.apache.org/licenses/LICENSE-2.0\n * Unless required by applicable law or agreed to in writing,
software\n * distributed under the License is distributed on an \"AS IS\" BASIS,\n * WITHOUT WARRANTIES
OR CONDITIONS OF ANY KIND, either express or implied.\n * See the License for the specific language
governing permissions and\n * limitations under the License.\n */\n\npackage kotlin.internal\n\n/**\n * Specifies
that the corresponding type parameter is not used for unsafe operations such as casts or 'is' checks\n *\n * That
means it's completely safe to use generic types as argument for such parameter.\n
*\n *\n * @Target(AnnotationTarget.TYPE_PARAMETER)\n *\n * @Retention(AnnotationRetention.BINARY)\n *\n * internal
annotation class PureReifiable\n\n/**\n * Specifies that the corresponding built-in method exists depending on
platform.\n *\n * Current implementation for JVM looks whether method with same JVM descriptor exists in the
module JDK.\n *\n * For example MutableMap.remove(K, V) available only if corresponding\n * method

```

```
'java/util/Map.remove(Ljava/lang/Object;Ljava/lang/Object;)Z' is defined in JDK (i.e. for major versions >= 8)\n
*\n@Target(AnnotationTarget.FUNCTION)\n@Retention(AnnotationRetention.BINARY)\ninternal annotation\n
class PlatformDependent\n", /*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language\n
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the\n
license/LICENSE.txt file.\n *\n\npackage kotlin.internal\n\n// a mod b (in arithmetical sense)\nprivate fun mod(a:\n
Int, b: Int): Int {\n    val mod = a % b\n    return if (mod >= 0) mod else mod + b\n}\n\nprivate fun mod(a: Long, b:\n
Long): Long {\n    val mod = a % b\n    return if (mod >= 0) mod else mod + b\n}\n\n// (a - b) mod c\nprivate fun\n
differenceModulo(a: Int, b: Int, c: Int): Int {\n    return mod(mod(a, c) - mod(b, c), c)\n}\n\nprivate fun\n
differenceModulo(a: Long, b: Long, c: Long): Long {\n    return mod(mod(a, c) - mod(b, c), c)\n}\n\n/**\n *\n
Calculates the final element of a bounded arithmetic progression, i.e. the last element of the progression which is in\n
the range\n * from [start] to [end] in case of a positive [step], or from [end] to [start] in case of a negative\n *  

[step].\n * No validation on passed parameters is performed. The given parameters should satisfy the\n
condition:\n * - either `step > 0` and `start <= end`,\n * - or `step < 0` and `start >= end`.\n * @param start\n
first element of the progression\n * @param end ending bound for the progression\n * @param step increment, or  

difference of successive elements in the progression\n * @return the final element of the progression\n *\n
@suppress\n */\n@PublishedApi\ninternal fun getProgressionLastElement(start: Int, end: Int, step: Int): Int = when\n
{\n    step > 0 -> if (start >= end) end else end - differenceModulo(end, start, step)\n    step < 0 -> if (start <= end)\n
end else end + differenceModulo(start, end, -step)\n    else -> throw kotlin.IllegalArgumentException("Step is\n
zero.")\n}\n\n/**\n *\n
Calculates the final element of a bounded arithmetic progression, i.e. the last element of the\n
progression which is in the range\n * from [start] to [end] in case of a positive [step], or from [end] to [start] in case  

of a negative\n * [step].\n * No validation on passed parameters is performed. The given parameters should  

satisfy the condition:\n * - either `step > 0` and `start <= end`,\n * - or `step < 0` and `start >= end`.\n * @param start\n
first element of the progression\n * @param end ending bound for the progression\n * @param step\n
increment, or difference of successive elements in the progression\n * @return the final element of the progression\n *\n
@suppress\n */\n@PublishedApi\ninternal fun getProgressionLastElement(start: Long, end: Long, step: Long):\n
Long = when {\n    step > 0 -> if (start >= end) end else end - differenceModulo(end, start, step)\n    step < 0 -> if\n
(start <= end) end else end + differenceModulo(start, end, -step)\n    else -> throw\n
kotlin.IllegalArgumentException("Step is zero.")\n}\n", /*\n * Copyright 2010-2015 JetBrains s.r.o.\n *\n
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http://www.apache.org/licenses/LICENSE-2.0\n *\n
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software\n * distributed under the License is distributed on an "AS IS" BASIS,\n * WITHOUT WARRANTIES  

OR CONDITIONS OF ANY KIND, either express or implied.\n * See the License for the specific language  

governing permissions and\n * limitations under the License.\n */\n\npackage kotlin.reflect\n\n/**\n *\n
Represents a parameter passed to a function or a property getter/setter,\n * including `this` and extension receiver parameters.\n *\n
public interface KParameter : KAnnotatedElement {\n    /**\n     * 0-based index of this parameter in the\n
parameter list of its containing callable.\n     *\n     * public val index: Int\n     *\n     * Name of this parameter as it\n
was declared in the source code,\n     * or `null` if the parameter has no name or its name is not available at\n
runtime.\n     * Examples of nameless parameters include `this` instance for member functions,\n     * extension  

receiver for extension functions or properties, parameters of Java methods\n     * compiled without the debug  

information, and others.\n     *\n     * public val name: String?\n     *\n     * Type of this parameter. For a `vararg`\n
parameter, this is the type of the corresponding array,\n     * not the individual element.\n     *\n     * public val type:\n
KType\n     *\n     * Kind of this parameter.\n     *\n     * public val kind: Kind\n     *\n     * Kind represents a  

particular position of the parameter declaration in the source code,\n     * such as an instance, an extension receiver  

parameter or a value parameter.\n     *\n     * public enum class Kind {\n     *\n     * Instance required to make a call to  

the member, or an outer class instance for an inner class constructor. *\n     INSTANCE,\n     *\n     * Extension  

receiver of an extension function or property. *\n     EXTENSION_RECEIVER,\n     *\n     * Ordinary named  

value parameter. *\n     VALUE,\n     *\n     * `true` if this parameter is optional and can be omitted when
```

making a call via [KCallable.callBy], or `false` otherwise.

* A parameter is optional in any of the two cases:

1. The default value is provided at the declaration of this parameter.
2. The parameter is declared in a member function and one of the corresponding parameters in the super functions is optional.

`public val isOptional: Boolean`

***`true` if this parameter is `vararg`.

* See the [Kotlin language documentation](https://kotlinlang.org/docs/reference/functions.html#variable-number-of-arguments) for more information.

`@SinceKotlin("1.1") public val isVararg: Boolean`

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`package kotlin.reflect`

* Represents a type. Type is usually either a class with optional type arguments, or a type parameter of some declaration, plus nullability.

`public interface KType : KAnnotatedElement`

***The declaration of the classifier used in this type.

* For example, in the type `List<String>` the classifier would be the [KClass] instance for [List].

* Returns `null` if this type is not denotable in Kotlin, for example if it is an intersection type.

`@SinceKotlin("1.1") public val classifier: KClassifier?`

***Type arguments passed for the parameters of the classifier in this type.

* For example, in the type `Array<out Number>` the only type argument is `out Number`.

* In case this type is based on an inner class, the returned list contains the type arguments provided for the innermost class first, then its outer class, and so on.

* For example, in the type `Outer<A, B>.Inner<C, D>` the returned list is `[C, D, A, B]`.

`@SinceKotlin("1.1") public val arguments: List<KTypeProjection>`

***`true` if this type was marked nullable in the source code.

* For Kotlin types, it means that `null` value is allowed to be represented by this type.

* In practice it means that the type was declared with a question mark at the end.

* For non-Kotlin types, it means the type or the symbol which was declared with this type is annotated with a runtime-retained nullability annotation such as [javax.annotation.Nullable].

* Note that even if [isMarkedNullable] is false, values of the type can still be `null`.

* This may happen if it is a type of the type parameter with a nullable upper bound:

```
fun <T> foo(t: T) {
    // isMarkedNullable == false for t's type, but t can be null here when T = "Any?"
}
```

`public val isMarkedNullable: Boolean`

***Represents a type projection. Type projection is usually the argument to another type in a type usage.

* For example, in the type `Array<out Number>`, `out Number` is the covariant projection of the type represented by the class `Number`.

* Type projection is either the star projection, or an entity consisting of a specific type plus optional variance.

* See the [Kotlin language documentation](https://kotlinlang.org/docs/reference/generics.html#type-projections) for more information.

`@SinceKotlin("1.1") public data class KTypeProjection constructor(
 * The use-site variance specified in the projection, or `null` if this is a star projection.
 public val variance: KVariance?,
 * The type specified in the projection, or `null` if this is a star projection.
 public val type: KType?) {
 public companion object {
 * Star projection, denoted by the `*` character.
 For example, in the type `KClass<*>`, `*` is the star projection.
 * See the [Kotlin language documentation](https://kotlinlang.org/docs/reference/generics.html#star-projections) for more information.
 public val STAR: KTypeProjection = KTypeProjection(null, null)
 * Creates an invariant projection of a given type. Invariant projection is just the type itself, without any use-site variance modifiers applied to it.
 For example, in the type `Set<String>`, `String` is an invariant projection of the type represented by the class `String`.
 public fun invariant(type: KType): KTypeProjection =
 KTypeProjection(KVariance.INVARIANT, type)
 * Creates a contravariant projection of a given type, denoted by the `in` modifier applied to a type.
 For example, in the type `MutableList<in Number>`, `in Number` is a contravariant projection of the type of class `Number`.
 public fun contravariant(type: KType): KTypeProjection =
 KTypeProjection(KVariance.IN, type)
 * Creates a covariant projection of a given type, denoted by the `out` modifier applied to a type.
 For example, in the type `Array<out Number>`, `out Number` is a covariant projection of the type of class `Number`.
 public fun covariant(type: KType): KTypeProjection =
 KTypeProjection(KVariance.OUT, type)
 }
}`

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under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

`package kotlin.reflect` Represents variance applied to a type parameter on the declaration site (*declaration-site variance*), or to a type in a projection (*use-site variance*). See the [Kotlin language documentation](<https://kotlinlang.org/docs/reference/generics.html#variance>) for more information.

@see [KTypeParameter.variance] @see [KTypeProjection]

@SinceKotlin("1.1")
enum class KVariance {
 /** The affected type parameter or type is *invariant*, which means it has no variance applied to it.
 * \n INvariant,
 * \n /** The affected type parameter or type is *contravariant*. Denoted by the `in` modifier in the source code.
 * \n IN,
 * \n /** The affected type parameter or type is *covariant*. Denoted by the `out` modifier in the source code.
 * \n OUT,
 * \n }
 "
}
/* Copyright 2010-2016 JetBrains s.r.o. Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0> Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Visibility is an aspect of a Kotlin declaration regulating where that declaration is accessible in the source code. Visibility can be changed with one of the following modifiers: `public`, `protected`, `internal`, `private`. Note that some Java visibilities such as package-private and protected (which also gives access to items from the same package) cannot be represented in Kotlin, so there's no [KVisibility] value corresponding to them. See the [Kotlin language documentation](<https://kotlinlang.org/docs/reference/visibility-modifiers.html>) for more information.

@SinceKotlin("1.1")
enum class KVisibility {
 /** Visibility of declarations marked with the `public` modifier, or with no modifier at all.
 * \n PUBLIC,
 * \n /** Visibility of declarations marked with the `protected` modifier.
 * \n PROTECTED,
 * \n /** Visibility of declarations marked with the `internal` modifier.
 * \n INTERNAL,
 * \n /** Visibility of declarations marked with the `private` modifier.
 * \n PRIVATE,
 * \n }
 "
}
/* Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors. Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.

@JsName("arrayIterator")
internal fun arrayIterator(array: dynamic, type: String?) = when (type) {
 null -> {
 val arr: Array<dynamic> = array
 object : Iterator<dynamic> {
 var index = 0
 override fun hasNext() = index < arr.size
 override fun next() = if (index < arr.size) arr[index++] else throw NoSuchElementException("\$index")
 }
 }
 "BooleanArray" -> booleanArrayIterator(array)
 "ByteArray" -> byteArrayIterator(array)
 "ShortArray" -> shortArrayIterator(array)
 "CharArray" -> charArrayIterator(array)
 "IntArray" -> intArrayIterator(array)
 "LongArray" -> longArrayIterator(array)
 "FloatArray" -> floatArrayIterator(array)
 "DoubleArray" -> doubleArrayIterator(array)
 else -> throw IllegalStateException("Unsupported type argument for arrayIterator: \$type")
}
@JsName("booleanArrayIterator")
internal fun booleanArrayIterator(array: BooleanArray) = object : BooleanIterator() {
 var index = 0
 override fun hasNext() = index < array.size
 override fun nextBoolean() = if (index < array.size) array[index++] else throw NoSuchElementException("\$index")
}
@JsName("byteArrayIterator")
internal fun byteArrayIterator(array: ByteArray) = object : ByteIterator() {
 var index = 0
 override fun hasNext() = index < array.size
 override fun nextByte() = if (index < array.size) array[index++] else throw NoSuchElementException("\$index")
}
@JsName("shortArrayIterator")
internal fun shortArrayIterator(array: ShortArray) = object : ShortIterator() {
 var index = 0
 override fun hasNext() = index < array.size
 override fun nextShort() = if (index < array.size) array[index++] else throw NoSuchElementException("\$index")
}
@JsName("charArrayIterator")
internal fun charArrayIterator(array:

```

CharArray) = object : CharIterator() {
    var index = 0
    override fun hasNext() = index < array.size
    override fun nextChar() = if (index < array.size) array[index++] else throw
    NoSuchElementException("$index")
}

@JsName("intArrayIterator")
internal fun intArrayIterator(array: IntArray) = object : IntIterator() {
    var index = 0
    override fun hasNext() = index < array.size
    override fun nextInt() = if (index < array.size) array[index++] else throw
    NoSuchElementException("$index")
}

@JsName("floatArrayIterator")
internal fun floatArrayIterator(array: FloatArray) = object : FloatIterator() {
    var index = 0
    override fun hasNext() = index < array.size
    override fun nextFloat() = if (index < array.size) array[index++] else throw
    NoSuchElementException("$index")
}

@JsName("doubleArrayIterator")
internal fun doubleArrayIterator(array: DoubleArray) = object : DoubleIterator() {
    var index = 0
    override fun hasNext() = index < array.size
    override fun nextDouble() = if (index < array.size) array[index++] else throw
    NoSuchElementException("$index")
}

@JsName("longArrayIterator")
internal fun longArrayIterator(array: LongArray) = object : LongIterator() {
    var index = 0
    override fun hasNext() = index < array.size
    override fun nextLong() = if (index < array.size) array[index++] else throw
    NoSuchElementException("$index")
}

@JsName("PropertyMetadata")
internal class PropertyMetadata(@JsName("callableName") val name: String)
@JsName("noWhenBranchMatched")
internal fun noWhenBranchMatched(): Nothing = throw
    NoSuchElementException()
@JsName("subSequence")
internal fun subSequence(c: CharSequence, startIndex: Int, endIndex: Int): CharSequence {
    if (c is String) {
        return c.substring(startIndex, endIndex)
    } else {
        return c.asDynamic().`subSequence_vux9f0$`(startIndex, endIndex)
    }
}

@JsName("captureStack")
internal fun captureStack(baseClass: JsClass<in Throwable>, instance: Throwable) {
    if (js("Error").captureStackTrace) {
        js("Error").captureStackTrace(instance, instance::class.js)
    } else {
        instance.asDynamic().stack = js("new Error()").stack
    }
}

@JsName("newThrowable")
internal fun newThrowable(message: String?, cause: Throwable?): Throwable {
    val throwable = js("new Error()")
    throwable.message = if (jsTypeOf(message) == "undefined") {
        if (cause != null) cause.toString() else null
    } else {
        message
    }
    throwable.cause = cause
    throwable.name = "Throwable"
    return throwable
}

@JsName("BoxedChar")
internal class BoxedChar(val c: Int) : Comparable<Int> {
    override fun equals(other: Any?): Boolean {
        return other is BoxedChar && c == other.c
    }
    override fun hashCode(): Int {
        return c
    }
    override fun toString(): String {
        return js("this.c").unsafeCast<Char>().toString()
    }
    override fun compareTo(other: Int): Int {
        return js("this.c - other").unsafeCast<Int>()
    }
}

@JsName("valueOf")
public fun valueOf(): Int {
    return c
}

@kotlin.internal.InlineOnly
internal inline fun <T> concat(args: Array<T>): T {
    val typed = js("Array")(args.size)
    for (i in args.indices) {
        val arr = args[i]
        if (arr !is Array<*>) {
            typed[i] = js("[]").slice.call(arr)
        } else {
            typed[i] = arr
        }
    }
    return js("[]").concat.apply(js("[]"), typed)
}

/** Concat regular Array's and TypedArray's into an Array.
 *
 * @PublishedApi
 * @JsName("arrayConcat")
 * @Suppress("UNUSED_PARAMETER")
 * internal fun <T> arrayConcat(a: T, b: T): T {
    return concat(js("arguments"))
}

/** Concat primitive arrays. Main use:
 *
 * prepare vararg arguments.
 * For compatibility with 1.1.0 the arguments may be a mixture of Array's and TypedArray's.
 * If the first argument is TypedArray (Byte-, Short-, Char-, Int-, Float-, and DoubleArray) returns a TypedArray, otherwise an Array.
 * If the first argument has the $type$ property (Boolean-, Char-, and LongArray) copy its value to result.$type$.
 * If the first argument is a regular Array without the $type$ property default to arrayConcat.
 *
 * @PublishedApi
 * @JsName("primitiveArrayConcat")
 * @Suppress("UNUSED_PARAMETER")
 * internal fun <T> primitiveArrayConcat(a: T, b: T): T {
    val args: Array<T> = js("arguments")
    if (a is Array<*> && a.asDynamic().`$type$` === undefined) {
        return concat(args)
    } else {
        var size = 0
        for (i in args.indices) {
            size += args[i].asDynamic().length as Int
        }
        val result = js("new a.constructor(size)")
        kotlin.copyArrayType(a, result)
        size = 0
        for (i in args.indices) {
            val

```



```

arr = args[i].asDynamic()\n        for (j in 0 until arr.length) {\n            result[size++] = arr[j]\n        }\n    }\n    return result\n }\n}\n\n@JsName("booleanArrayOf")\ninternal fun booleanArrayOf() =\n    withType("BooleanArray", js("[]\.slice\.call(arguments)")\n)\n\n@JsName("charArrayOf") // The arguments have\n    to be slice'd here because of Rhino (see KT-16974)\ninternal fun charArrayOf() = withType("CharArray", js("new\n    Uint16Array([]\.slice\.call(arguments)")\n)\n)\n\n@JsName("longArrayOf")\ninternal fun longArrayOf() =\n    withType("LongArray",\n        js("[]\.slice\.call(arguments)")\n)\n\n@JsName("withType")\n\n@kotlin\.internal\.InlineOnly\ninternal inline fun\n    withType(type: String, array: dynamic): dynamic {\n        array.`$type$` = type\n        return array\n    }, /*\n    * Copyright\n    2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n    * Use of this source code is governed\n    by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n    */\npackage kotlin\.js\n\n/**\n    * Function corresponding to JavaScript's `typeof` operator\n    *\n    @kotlin\.internal\.InlineOnly\n    @Suppress("UNUSED_PARAMETER")\n    public inline fun jsTypeOf(a: Any?):\n        String = js("typeof a")\n    , /*\n    * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language\n    contributors.\n    * Use of this source code is governed by the Apache 2.0 license that can be found in the\n    license/LICENSE.txt file.\n    */\n\n    @file:Suppress("UNUSED_PARAMETER",\n        "NOTHING_TO_INLINE")\npackage kotlin\n\n/**\n    * Returns an empty array of the specified type [T].\n    *\n    public inline fun <T> emptyArray(): Array<T> = js("[]")\n\n    @library\n    public fun <T> arrayOf(vararg\n        elements: T): Array<T> = definedExternally\n\n    @library\n    public fun doubleArrayOf(vararg elements: Double):\n        DoubleArray = definedExternally\n\n    @library\n    public fun floatArrayOf(vararg elements: Float): FloatArray =\n        definedExternally\n\n    @library\n    public fun longArrayOf(vararg elements: Long): LongArray =\n        definedExternally\n\n    @library\n    public fun intArrayOf(vararg elements: Int): IntArray =\n        definedExternally\n\n    @library\n    public fun charArrayOf(vararg elements: Char): CharArray =\n        definedExternally\n\n    @library\n    public fun shortArrayOf(vararg elements: Short): ShortArray =\n        definedExternally\n\n    @library\n    public fun byteArrayOf(vararg elements: Byte): ByteArray =\n        definedExternally\n\n    @library\n    public fun booleanArrayOf(vararg elements: Boolean): BooleanArray =\n        definedExternally\n\n    /**\n    * Creates a new instance of the [Lazy] that uses the specified initialization function\n    [initializer].\n    *\n    public actual fun <T> lazy(initializer: () -> T): Lazy<T> = UnsafeLazyImpl(initializer)\n\n    /**\n    * Creates a new instance of the [Lazy] that uses the specified initialization function [initializer].\n    *\n    * The [mode]\n    parameter is ignored. *\n    public actual fun <T> lazy(mode: LazyThreadSafetyMode, initializer: () -> T): Lazy<T> =\n        UnsafeLazyImpl(initializer)\n\n    /**\n    * Creates a new instance of the [Lazy] that uses the specified initialization\n    function [initializer].\n    *\n    * The [lock] parameter is ignored.\n    *\n    public actual fun <T> lazy(lock: Any?,\n        initializer: () -> T): Lazy<T> = UnsafeLazyImpl(initializer)\n\n    internal fun fillFrom(src: dynamic, dst: dynamic):\n        dynamic {\n            val srcLen: Int = src.length\n            val dstLen: Int = dst.length\n            var index: Int = 0\n            while (index <\n                srcLen && index < dstLen) dst[index] = src[index++]\n            return dst\n        }\n\n    internal fun arrayCopyResize(source:\n        dynamic, newSize: Int, defaultValue: Any?): dynamic {\n            val result = source.slice(0, newSize)\n            copyArrayType(source, result)\n            var index: Int = source.length\n            if (newSize > index) {\n                result.length =\n                    newSize\n                while (index < newSize) result[index++] = defaultValue\n            }\n            return result\n        }\n\n    internal fun <T> arrayPlusCollection(array: dynamic, collection: Collection<T>):\n        dynamic {\n            val result = array.slice()\n            result.length += collection.size\n            copyArrayType(array, result)\n            var index: Int = array.length\n            for (element in\n                collection) result[index++] = element\n            return result\n        }\n\n    internal fun <T> fillFromCollection(dst: dynamic,\n        startIndex: Int, collection: Collection<T>):\n        dynamic {\n            var index = startIndex\n            for (element in collection)\n                dst[index++] = element\n            return dst\n        }\n\n    internal inline fun copyArrayType(from: dynamic, to: dynamic) {\n        if\n            (from.`$type$` != undefined) {\n                to.`$type$` = from.`$type$`\n            }\n        }\n\n    internal inline fun jsIsType(obj:\n        dynamic, jsClass: dynamic) = js("Kotlin").isType(obj, jsClass), /*\n    * Copyright 2010-2018 JetBrains s.r.o. and\n    Kotlin Programming Language contributors.\n    * Use of this source code is governed by the Apache 2.0 license that\n    can be found in the license/LICENSE.txt file.\n    */\npackage kotlin\.coroutines\n\nimport\n    kotlin\.coroutines\.intrinsic\.COROUTINE_SUSPENDED\n\n@SinceKotlin("1.3")\n@JsName("CoroutineImpl")\ninternal abstract class CoroutineImpl(private val resultContinuation: Continuation<Any?>) : Continuation<Any?>

```

```

{\n    protected var state = 0\n    protected var exceptionState = 0\n    protected var result: Any? = null\n    protected
var exception: Throwable? = null\n    protected var finallyPath: Array<Int>? = null\n\n    public override val context:
CoroutineContext = resultContinuation.context\n\n    private var intercepted_: Continuation<Any?>? = null\n\n
public fun intercepted(): Continuation<Any?> =\n        intercepted_\n            ?:\n        (context[ContinuationInterceptor]?.interceptContinuation(this) ?: this)\n            .also { intercepted_ = it }\n\n
override fun resumeWith(result: Result<Any?>) {\n        var current = this\n        var currentResult: Any? =
result.getOrNull()\n        var currentException: Throwable? = result.exceptionOrNull()\n        // This loop unrolls
recursion in current.resumeWith(param) to make saner and shorter stack traces on resume\n        while (true) {\n
            with(current) {\n                val completion = resultContinuation\n                // Set result and exception fields in
the current continuation\n                if (currentException == null) {\n                    this.result = currentResult\n
                } else {\n                    state = exceptionState\n                    exception = currentException\n                }\n
            }\n            try {\n                val outcome = doResume()\n                if (outcome === COROUTINE_SUSPENDED)\n            }\n            return\n                currentResult = outcome\n                currentException = null\n            } catch (exception:
dynamic) { // Catch all exceptions\n                currentResult = null\n                currentException =
exception.unsafeCast<Throwable>()\n            }\n            releaseIntercepted() // this state machine instance is
terminating\n\n            if (completion is CoroutineImpl) {\n                // unrolling recursion via loop\n                current = completion\n            } else {\n                // top-level completion reached -- invoke and return\n                currentException?.let {\n                    completion.resumeWithException(it)\n                } ?:\n                completion.resume(currentResult)\n                return\n            }\n        }\n        }\n        }\n        }\n        }\n        private fun
releaseIntercepted() {\n            val intercepted = intercepted_\n            if (intercepted != null && intercepted !== this) {\n
                context[ContinuationInterceptor]!!.releaseInterceptedContinuation(intercepted)\n            }\n            this.intercepted_
= CompletedContinuation // just in case\n        }\n        protected abstract fun doResume(): Any?\n    }\n\n    internal object
CompletedContinuation : Continuation<Any?> {\n        override val context: CoroutineContext\n            get() =
error("\n    This continuation is already complete\n    ") \n        override fun resumeWith(result: Result<Any?>) {\n
            error("\n    This continuation is already complete\n    ") \n        }\n        override fun toString(): String = "\n    This continuation is
already complete\n    "\n    } \n\n    /*\n    * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n    * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n    */\n\n    @file:Suppress("\n    UNCHECKED_CAST\n    ",\n    "\n    RedundantVisibilityModifier\n    ")\n    package kotlin\n\n    import kotlin.contracts.*\n    import
kotlin.internal.InlineOnly\n    import kotlin.jvm.JvmField\n\n    /*\n    * A discriminated union that encapsulates
successful outcome with a value of type [T]\n    * or a failure with an arbitrary [Throwable] exception.\n
    */\n    @Suppress("\n    NON_PUBLIC_PRIMARY_CONSTRUCTOR_OF_INLINE_CLASS\n    ")\n    @SinceKotlin("1.3")\n
    public inline class Result<out T> @PublishedApi internal constructor(\n        @PublishedApi\n        internal val value:
Any?)\n    : Serializable {\n        // discovery\n        /**\n        * Returns `true` if this instance represents successful
outcome.\n        * In this case [isFailure] returns `false`.\n        */\n        public val isSuccess: Boolean\n        get() = value !is
Failure\n        /**\n        * Returns `true` if this instance represents failed outcome.\n        * In this case [isSuccess]
returns `false`.\n        */\n        public val isFailure: Boolean\n        get() = value is Failure\n        // value & exception
retrieval\n        /**\n        * Returns the encapsulated value if this instance represents [success][Result.isSuccess] or
`null`\n        * if it is [failure][Result.isFailure].\n        */\n        * This function is shorthand for `getOrNull` (see
[getOrNull]) or\n        * `fold(onSuccess = { it }, onFailure = { null })` (see [fold]).\n        */\n        @InlineOnly\n        public
inline fun getOrNull(): T? =\n            when {\n                isFailure -> null\n                else -> value as T\n            }\n        /**\n        * Returns the encapsulated exception if this instance represents [failure][isFailure] or `null`\n        * if it is
[success][isSuccess].\n        */\n        * This function is shorthand for `fold(onSuccess = { null }, onFailure = { it })` (see
[fold]).\n        */\n        public fun exceptionOrNull(): Throwable? =\n            when (value) {\n                is Failure ->
value.exception\n                else -> null\n            }\n        /**\n        * Returns a string `Success(v)` if this instance represents
[success][Result.isSuccess]\n        * where `v` is a string representation of the value or a string `Failure(x)` if\n        * it
is [failure][isFailure] where `x` is a string representation of the exception.\n        */\n        public override fun toString():
String =\n            when (value) {\n                is Failure -> value.toString() // "Failure($exception)"\n                else ->

```

```

"Success($value)"\n    }\n    // companion with constructors\n    /**\n     * Companion object for [Result]
class that contains its constructor functions\n     * [success] and [failure].\n     */\n    public companion object {\n
/**\n     * Returns an instance that encapsulates the given [value] as successful value.\n     */\n
@InlineOnly\n    public inline fun <T> success(value: T): Result<T> =\n        Result(value)\n    /**\n
* Returns an instance that encapsulates the given [exception] as failure.\n     */\n    @InlineOnly\n    public
inline fun <T> failure(exception: Throwable): Result<T> =\n        Result(createFailure(exception))\n    }\n
internal class Failure(\n    @JvmField\n    val exception: Throwable\n    ): Serializable {\n    override fun
equals(other: Any?): Boolean = other is Failure && exception == other.exception\n    override fun hashCode():
Int = exception.hashCode()\n    override fun toString(): String = "Failure($exception)"\n    }\n\n/**\n
* Creates an instance of internal marker [Result.Failure] class to\n     * make sure that this class is not exposed in ABI.\n
*/\n@PublishedApi\n@SinceKotlin("1.3")\ninternal fun createFailure(exception: Throwable): Any =\n    Result.Failure(exception)\n\n/**\n
* Throws exception if the result is failure. This internal function minimizes\n     *
inlined bytecode for [getOrThrow] and makes sure that in the future we can\n     * add some exception-augmenting
logic here (if needed).\n     */\n@PublishedApi\n@SinceKotlin("1.3")\ninternal fun Result<*>.throwOnFailure() {\n
if (value is Result.Failure) throw value.exception\n}\n\n/**\n
* Calls the specified function [block] and returns its
encapsulated result if invocation was successful,\n     * catching and encapsulating any thrown exception as a failure.\n
*/\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun <R> runCatching(block: () -> R): Result<R> {\n
return try {\n    Result.success(block())\n    } catch (e: Throwable) {\n    Result.failure(e)\n    }\n}\n\n/**\n
* Calls the specified function [block] with `this` value as its receiver and returns its encapsulated result\n     *
if invocation was successful, catching and encapsulating any thrown exception as a failure.\n
*/\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun <T, R> T.runCatching(block: T.() -> R): Result<R> {\n
return try {\n    Result.success(block())\n    } catch (e: Throwable) {\n    Result.failure(e)\n    }\n}\n\n/--
extensions ---\n\n/**\n
* Returns the encapsulated value if this instance represents [success][Result.isSuccess] or
throws the encapsulated exception\n     * if it is [failure][Result.isFailure].\n     */\n     * This function is shorthand for
`getOrElse { throw it }` (see [getOrElse]).\n     */\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun <T>
Result<T>.getOrThrow(): T {\n    throwOnFailure()\n    return value as T\n}\n\n/**\n
* Returns the encapsulated
value if this instance represents [success][Result.isSuccess] or the\n     * result of [onFailure] function for encapsulated
exception if it is [failure][Result.isFailure].\n     */\n     * Note, that an exception thrown by [onFailure] function is
rethrown by this function.\n     */\n     * This function is shorthand for `fold(onSuccess = { it }, onFailure = onFailure)`
(see [fold]).\n     */\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun <R, T : R>
Result<T>.getOrElse(onFailure: (exception: Throwable) -> R): R {\n    contract {\n        callsInPlace(onFailure,
InvocationKind.AT_MOST_ONCE)\n    }\n    return when (val exception = exceptionOrNull()) {\n        null ->
value as T\n        else -> onFailure(exception)\n    }\n}\n\n/**\n
* Returns the encapsulated value if this instance
represents [success][Result.isSuccess] or the\n     * [defaultValue] if it is [failure][Result.isFailure].\n     */\n     * This
function is shorthand for `getOrElse { defaultValue }` (see [getOrElse]).\n
*/\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun <R, T : R> Result<T>.getOrElse(defaultValue: R):
R {\n    if (isFailure) return defaultValue\n    return value as T\n}\n\n/**\n
* Returns the the result of [onSuccess] for
encapsulated value if this instance represents [success][Result.isSuccess]\n     * or the result of [onFailure] function for
encapsulated exception if it is [failure][Result.isFailure].\n     */\n     * Note, that an exception thrown by [onSuccess] or
by [onFailure] function is rethrown by this function.\n     */\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun
<R, T> Result<T>.fold(\n    onSuccess: (value: T) -> R,\n    onFailure: (exception: Throwable) -> R\n): R {\n    contract {\n
callsInPlace(onSuccess, InvocationKind.AT_MOST_ONCE)\n        callsInPlace(onFailure,
InvocationKind.AT_MOST_ONCE)\n    }\n    return when (val exception = exceptionOrNull()) {\n        null ->
onSuccess(value as T)\n        else -> onFailure(exception)\n    }\n}\n\n/--
transformation\n\n/**\n
* Returns the
encapsulated result of the given [transform] function applied to encapsulated value\n     * if this instance represents
[success][Result.isSuccess] or the\n     * original encapsulated exception if it is [failure][Result.isFailure].\n     */\n     * Note,
that an exception thrown by [transform] function is rethrown by this function.\n     * See [mapCatching] for an
alternative that encapsulates exceptions.\n     */\n@InlineOnly\n@SinceKotlin("1.3")\npublic inline fun <R, T>

```

```

Result<T>.map(transform: (value: T) -> R): Result<R> {
    contract {
        callsInPlace(transform,
InvocationKind.AT_MOST_ONCE)
    }
    return when {
        isSuccess -> Result.success(transform(value as T))
        else -> Result(value)
    }
}

/**
 * Returns the encapsulated result of the given [transform] function
applied to encapsulated value
 * if this instance represents [success][Result.isSuccess] or the
 * original
encapsulated exception if it is [failure][Result.isFailure].
 * Any exception thrown by [transform] function is
caught, encapsulated as a failure and returned by this function.
 * See [map] for an alternative that rethrows
exceptions.
 */
@InlineOnly
@SinceKotlin("1.3")
public inline fun <R, T>
Result<T>.mapCatching(transform: (value: T) -> R): Result<R> {
    return when {
        isSuccess ->
runCatching { transform(value as T) }
        else -> Result(value)
    }
}

/**
 * Returns the encapsulated
result of the given [transform] function applied to encapsulated
exception
 * if this instance represents
[failure][Result.isFailure] or the
 * original encapsulated value if it is [success][Result.isSuccess].
 * Note,
that an exception thrown by [transform] function is rethrown by
this function.
 * See [recoverCatching] for an
alternative that encapsulates exceptions.
 */
@InlineOnly
@SinceKotlin("1.3")
public inline fun <R, T : R>
Result<T>.recover(transform: (exception: Throwable) -> R): Result<R> {
    contract {
        callsInPlace(transform, InvocationKind.AT_MOST_ONCE)
    }
    return when (val exception =
exceptionOrNull()) {
        null -> this
        else -> Result.success(transform(exception))
    }
}

/**
 * Returns the encapsulated result of the given [transform] function
applied to encapsulated exception
 * if this
instance represents [failure][Result.isFailure] or the
 * original encapsulated value if it is
[success][Result.isSuccess].
 * Any exception thrown by [transform] function is caught,
encapsulated as a
failure and returned by this function.
 * See [recover] for an alternative that rethrows exceptions.
 */
@InlineOnly
@SinceKotlin("1.3")
public inline fun <R, T : R> Result<T>.recoverCatching(transform:
(exception: Throwable) -> R): Result<R> {
    val value = value // workaround for inline classes BE bug
    return
when (val exception = exceptionOrNull()) {
        null -> this
        else -> runCatching { transform(exception) }
    }
}

/**
 * Performs the given [action] on encapsulated exception
if this instance represents [failure][Result.isFailure].
 * Returns the original `Result` unchanged.
 */
@InlineOnly
@SinceKotlin("1.3")
public inline fun <T> Result<T>.onFailure(action: (exception:
Throwable) -> Unit): Result<T> {
    contract {
        callsInPlace(action, InvocationKind.AT_MOST_ONCE)
    }
    exceptionOrNull()?.let { action(it) }
    return this
}

/**
 * Performs the given [action] on encapsulated
value if this instance represents [success][Result.isSuccess].
 * Returns the original `Result` unchanged.
 */
@InlineOnly
@SinceKotlin("1.3")
public inline fun <T> Result<T>.onSuccess(action: (value: T) -> Unit):
Result<T> {
    contract {
        callsInPlace(action, InvocationKind.AT_MOST_ONCE)
    }
    if (isSuccess)
action(value as T)
    return this
}

-----

"/

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Programming Language contributors.
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found in the license/LICENSE.txt file.
 */
package kotlin.coroutines
import
kotlin.coroutines.intrinsics.*
import kotlin.internal.InlineOnly

/**
 * Interface representing a continuation after
a suspension point that returns a value of type `T`.
 */
@SinceKotlin("1.3")
public interface Continuation<in
T> {
    /**
     * The context of the coroutine that corresponds to this continuation.
     */
    public val context:
CoroutineContext

    /**
     * Resumes the execution of the corresponding coroutine passing a successful or
failed [result] as the
 * return value of the last suspension point.
     */
    public fun resumeWith(result:
Result<T>): Unit

}

/**
 * Classes and interfaces marked with this annotation are restricted when used as
receivers
for extension
 * `suspend` functions. These `suspend` extensions can only invoke other member or
extension
`suspend` functions on this particular
 * receiver and are restricted from calling arbitrary suspension functions.
 */
@SinceKotlin("1.3")
@Target(AnnotationTarget.CLASS)
@Retention(AnnotationRetention.BINARY)
public annotation class RestrictsSuspension

/**
 * Resumes the execution of the corresponding coroutine passing
[value] as the return value of the last suspension point.
 */
@SinceKotlin("1.3")
@InlineOnly
public inline
fun <T> Continuation<T>.resume(value: T): Unit =
resumeWith(Result.success(value))

/**
 * Resumes the
execution of the corresponding coroutine so that the [exception] is re-thrown right
after the
 * last suspension
point.
 */
@SinceKotlin("1.3")
@InlineOnly
public inline fun <T>

```

```

Continuation<T>.resumeWithException(exception: Throwable): Unit =\n
resumeWith(Result.failure(exception))\n\n/**\n * Creates a [Continuation] instance with the given [context] and
implementation of [resumeWith] method.\n */\n@SinceKotlin("1.3")\n@InlineOnly\npublic inline fun <T>
Continuation(\n context: CoroutineContext,\n crossinline resumeWith: (Result<T>) -> Unit)\n): Continuation<T>
=\n object : Continuation<T> {\n override val context: CoroutineContext\n get() = context\n\n
override fun resumeWith(result: Result<T>) =\n resumeWith(result)\n }\n\n/**\n * Creates a coroutine
without a receiver and with result type [T].\n * This function creates a new, fresh instance of suspendable
computation every time it is invoked.\n * To start executing the created coroutine, invoke `resume(Unit)` on the
returned [Continuation] instance.\n * The [completion] continuation is invoked when the coroutine completes with a
result or an exception.\n * Subsequent invocation of any resume function on the resulting continuation will produce
an [IllegalStateException].\n */\n@SinceKotlin("1.3")\n@Suppress("UNCHECKED_CAST")\npublic fun <T>
(suspend () -> T).createCoroutine(\n completion: Continuation<T>\n): Continuation<Unit> =\n
SafeContinuation(createCoroutineUnintercepted(completion).intercepted(), COROUTINE_SUSPENDED)\n\n/**\n
* Creates a coroutine with receiver type [R] and result type [T].\n * This function creates a new, fresh instance of
suspendable computation every time it is invoked.\n * To start executing the created coroutine, invoke
`resume(Unit)` on the returned [Continuation] instance.\n * The [completion] continuation is invoked when the
coroutine completes with a result or an exception.\n * Subsequent invocation of any resume function on the resulting
continuation will produce an [IllegalStateException].\n */\n@SinceKotlin("1.3")\n@Suppress("UNCHECKED_CAST")\npublic fun <R, T> (suspend R.() ->
T).createCoroutine(\n receiver: R,\n completion: Continuation<T>\n): Continuation<Unit> =\n
SafeContinuation(createCoroutineUnintercepted(receiver, completion).intercepted(),
COROUTINE_SUSPENDED)\n\n/**\n * Starts a coroutine without a receiver and with result type [T].\n * This
function creates and starts a new, fresh instance of suspendable computation every time it is invoked.\n * The
[completion] continuation is invoked when the coroutine completes with a result or an exception.\n */\n@SinceKotlin("1.3")\n@Suppress("UNCHECKED_CAST")\npublic fun <T> (suspend () ->
T).startCoroutine(\n completion: Continuation<T>\n) {\n
createCoroutineUnintercepted(completion).intercepted().resume(Unit)\n}\n\n/**\n * Starts a coroutine with receiver
type [R] and result type [T].\n * This function creates and starts a new, fresh instance of suspendable computation
every time it is invoked.\n * The [completion] continuation is invoked when the coroutine completes with a result or
an exception.\n */\n@SinceKotlin("1.3")\n@Suppress("UNCHECKED_CAST")\npublic fun <R, T> (suspend
R.() -> T).startCoroutine(\n receiver: R,\n completion: Continuation<T>\n) {\n
createCoroutineUnintercepted(receiver, completion).intercepted().resume(Unit)\n}\n\n/**\n * Obtains the current
continuation instance inside suspend functions and suspends\n * the currently running coroutine.\n * In this
function both [Continuation.resume] and [Continuation.resumeWithException] can be used either synchronously
in\n * the same stack-frame where the suspension function is run or asynchronously later in the same thread or\n *
from a different thread of execution. Subsequent invocation of any resume function will produce an
[IllegalStateException].\n */\n@SinceKotlin("1.3")\n@InlineOnly\npublic suspend inline fun <T>
suspendCoroutine(crossinline block: (Continuation<T>) -> Unit): T =\n suspendCoroutineUninterceptedOrReturn
{ c: Continuation<T> ->\n val safe = SafeContinuation(c.intercepted())\n block(safe)\n
safe.getOrThrow()\n }\n\n/**\n * Returns the context of the current coroutine.\n */\n@SinceKotlin("1.3")\n@Suppress("WRONG_MODIFIER_TARGET")\n@InlineOnly\npublic suspend inline
val coroutineContext: CoroutineContext\n get() {\n throw NotImplementedError("Implemented as
intrinsic")\n }\n\n"/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n
* Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\npackage kotlin.coroutines.intrinsics\n\nimport kotlin.coroutines.*\nimport kotlin.internal.InlineOnly\n\n/**\n
* Starts an unintercepted coroutine without a receiver and with result type [T] and executes it until its first
suspension.\n * Returns the result of the coroutine or throws its exception if it does not suspend or
[COROUTINE_SUSPENDED] if it suspends.\n * In the latter case, the [completion] continuation is invoked when

```

the coroutine completes with a result or an exception.

* The coroutine is started directly in the invoker's thread without going through the [ContinuationInterceptor] that might be present in the completion's [CoroutineContext]. It is the invoker's responsibility to ensure that a proper invocation context is established.

* This function is designed to be used from inside of [suspendCoroutineUninterceptedOrReturn] to resume the execution of the suspended coroutine using a reference to the suspending function.

```

* \n @SinceKotlin("1.3") \n @InlineOnly \n public actual inline fun <T> (suspend () ->
T).startCoroutineUninterceptedOrReturn(\n completion: Continuation<T>\n): Any? =
this.asDynamic()(completion, false)\n\n
* Starts an unintercepted coroutine with receiver type [R] and result type [T] and executes it until its first suspension.
* Returns the result of the coroutine or throws its exception if it does not suspend or [COROUTINE_SUSPENDED] if it suspends.
* In the latter case, the [completion] continuation is invoked when the coroutine completes with a result or an exception.
* The coroutine is started directly in the invoker's thread without going through the [ContinuationInterceptor] that might be present in the completion's [CoroutineContext]. It is the invoker's responsibility to ensure that a proper invocation context is established.
* This function is designed to be used from inside of [suspendCoroutineUninterceptedOrReturn] to resume the execution of the suspended coroutine using a reference to the suspending function.
* \n @SinceKotlin("1.3") \n @InlineOnly \n public actual inline fun <R, T> (suspend R.() ->
T).startCoroutineUninterceptedOrReturn(\n receiver: R,\n completion: Continuation<T>\n): Any? =
this.asDynamic()(receiver, completion, false)\n\n\n
* Creates unintercepted coroutine without receiver and with result type [T].
* This function creates a new, fresh instance of suspendable computation every time it is invoked.
* To start executing the created coroutine, invoke `resume(Unit)` on the returned [Continuation] instance.
* The [completion] continuation is invoked when coroutine completes with result or exception.
* This function returns unintercepted continuation.
* Invocation of `resume(Unit)` starts coroutine immediately in the invoker's call stack without going through the [ContinuationInterceptor] that might be present in the completion's [CoroutineContext].
* It is the invoker's responsibility to ensure that a proper invocation context is established.
* Note that [completion] of this function may get invoked in an arbitrary context.
* [Continuation.intercepted] can be used to acquire the intercepted continuation.
* Invocation of `resume(Unit)` on intercepted continuation guarantees that execution of both the coroutine and [completion] happens in the invocation context established by [ContinuationInterceptor].
* Repeated invocation of any resume function on the resulting continuation corrupts the state machine of the coroutine and may result in arbitrary behaviour or exception.
* \n @SinceKotlin("1.3") \n public actual fun <T> (suspend () -> T).createCoroutineUnintercepted(\n completion: Continuation<T>\n): Continuation<Unit> = \n // Kotlin/JS suspend lambdas have an extra parameter `suspended`
if (this.asDynamic().length == 2) {\n // When `suspended` is true the continuation is created, but not executed
this.asDynamic()(completion, true)\n } else {\n createCoroutineFromSuspendFunction(completion) {\n this.asDynamic()(completion)\n }\n }\n\n
* Creates unintercepted coroutine with receiver type [R] and result type [T].
* This function creates a new, fresh instance of suspendable computation every time it is invoked.
* To start executing the created coroutine, invoke `resume(Unit)` on the returned [Continuation] instance.
* The [completion] continuation is invoked when coroutine completes with result or exception.
* This function returns unintercepted continuation.
* Invocation of `resume(Unit)` starts coroutine immediately in the invoker's call stack without going through the [ContinuationInterceptor] that might be present in the completion's [CoroutineContext].
* It is the invoker's responsibility to ensure that a proper invocation context is established.
* Note that [completion] of this function may get invoked in an arbitrary context.
* [Continuation.intercepted] can be used to acquire the intercepted continuation.
* Invocation of `resume(Unit)` on intercepted continuation guarantees that execution of both the coroutine and [completion] happens in the invocation context established by [ContinuationInterceptor].
* Repeated invocation of any resume function on the resulting continuation corrupts the state machine of the coroutine and may result in arbitrary behaviour or exception.
* \n @SinceKotlin("1.3") \n public actual fun <R, T> (suspend R.() -> T).createCoroutineUnintercepted(\n receiver: R,\n completion: Continuation<T>\n): Continuation<Unit> = \n // Kotlin/JS suspend lambdas have an extra parameter `suspended`
if

```

```

(this.asDynamic().length == 3) {\n    // When `suspended` is true the continuation is created, but not executed\n
    this.asDynamic()(receiver, completion, true)\n  } else {\n    createCoroutineFromSuspendFunction(completion)\n
  }\n  this.asDynamic()(receiver, completion)\n  }\n}\n\n/*\n * Intercepts this continuation with\n
[ContinuationInterceptor].\n *\n * This function shall be used on the immediate result of\n
[createCoroutineUnintercepted] or [suspendCoroutineUninterceptedOrReturn],\n *\n * in which case it checks for\n
[ContinuationInterceptor] in the continuation's [context][Continuation.context],\n *\n * invokes\n
[ContinuationInterceptor.interceptContinuation], caches and returns the result.\n *\n * If this function is invoked on\n
other [Continuation] instances it returns `this` continuation unchanged.\n *\n * Since Kotlin(1.3)\n\npublic actual\n
fun <T> Continuation<T>.intercepted(): Continuation<T> =\n  (this as? CoroutineImpl)?.intercepted() ?:  

this\n\nprivate inline fun <T> createCoroutineFromSuspendFunction(\n  completion: Continuation<T>,\n
crossinline block: () -> Any?): Continuation<Unit> {\n  @Suppress("UNCHECKED_CAST")\n  return object  

: CoroutineImpl(completion as Continuation<Any?>) {\n    override fun doResume(): Any? {\n  

exception?.let { throw it }\n    return block()\n  }\n  }\n}\n\n/*\n * Copyright 2010-2018 JetBrains s.r.o.  

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that can be found in the license/LICENSE.txt file.\n *\n * package kotlin.js\n\n// Mirrors signature from JS IR  

BE\n\nUsed for js.translator/testData/box/number/mulInt32.kt\n\n@library\n\n@jsName("imulEmulated")\n\ninternal  

fun imul(x: Int, y: Int): Int = definedExternally\n\ninternal inline fun isArrayish(o: dynamic) =  

js("Kotlin").isArrayish(o),\n\n/*\n * Copyright 2010-2019 JetBrains s.r.o. Use of this source code is governed by the  

Apache 2.0 license\n * that can be found in the license/LICENSE.txt file.\n\n\n*\n\n@file:Suppress("UNUSED_PARAMETER")\n\npackage kotlin.js\n\n@kotlin.internal\n\ninternal  

inline fun jsDeleteProperty(obj: Any, property: Any) {\n  js("delete  

obj[property]")\n}\n\n@kotlin.internal\n\ninternal inline fun jsBitwiseOr(lhs: Any?, rhs: Any?): Int =\n
js("lhs | rhs").unsafeCast<Int>(),\n\n/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language  

contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the  

license/LICENSE.txt file.\n *\n * package kotlin.math\n\n/*\n * Returns this value with the sign bit same as of the  

[sign] value.\n *\n * If [sign] is `NaN` the sign of the result is undefined.\n *\n * Since Kotlin(1.2)\n\npublic actual  

fun Double.withSign(sign: Double): Double {\n  val thisSignBit =  

js("Kotlin").doubleSignBit(this).unsafeCast<Int>()\n  val newSignBit =  

js("Kotlin").doubleSignBit(sign).unsafeCast<Int>()\n  return if (thisSignBit == newSignBit) this else -  

this\n}\n\n/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of  

this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n\n\n*\n\npackage kotlin\n\n/*\n * Returns a bit representation of the specified floating-point value as [Long]\n *\n * according to the IEEE 754 floating-point "double format" bit layout.\n\n\n*\n\n@SinceKotlin(1.2)\n\n@library("doubleToBits")\n\npublic actual fun Double.toBits(): Long =  

definedExternally\n\n/*\n * Returns a bit representation of the specified floating-point value as [Long]\n *\n * according to the IEEE 754 floating-point "double format" bit layout,\n *\n * preserving `NaN` values exact layout.\n\n\n*\n\n@SinceKotlin(1.2)\n\n@library("doubleToRawBits")\n\npublic actual fun Double.toRawBits(): Long =  

definedExternally\n\n/*\n * Returns the [Double] value corresponding to a given bit representation.\n\n\n*\n\n@SinceKotlin(1.2)\n\n@kotlin.internal\n\ninlineOnly\n\npublic actual inline fun Double.Companion.fromBits(bits:  

Long): Double = js("Kotlin").doubleFromBits(bits).unsafeCast<Double>()\n\n/*\n * Returns a bit representation  

of the specified floating-point value as [Int]\n *\n * according to the IEEE 754 floating-point "single format" bit  

layout.\n *\n * Note that in Kotlin/JS [Float] range is wider than "single format" bit layout can represent,\n *\n * so  

some [Float] values may overflow, underflow or loose their accuracy after conversion to bits and back.\n\n\n*\n\n@SinceKotlin(1.2)\n\n@library("floatToBits")\n\npublic actual fun Float.toBits(): Int =  

definedExternally\n\n/*\n * Returns a bit representation of the specified floating-point value as [Int]\n *\n * according  

to the IEEE 754 floating-point "single format" bit layout,\n *\n * preserving `NaN` values exact layout.\n *\n * Note  

that in Kotlin/JS [Float] range is wider than "single format" bit layout can represent,\n *\n * so some [Float] values  

may overflow, underflow or loose their accuracy after conversion to bits and back.\n

```

```

*\n@SinceKotlin("1.2")\n@library("floatToRawBits")\npublic actual fun Float.toRawBits(): Int =
definedExternally\n\n/**\n * Returns the [Float] value corresponding to a given bit representation.\n
*\n@SinceKotlin("1.2")\n@kotlin.internal.InlineOnly\npublic actual inline fun Float.Companion.fromBits(bits:
Int): Float = js("Kotlin").floatFromBits(bits).unsafeCast<Float>()\n\n\ninternal inline fun Long(low: Int, high: Int)
= js("Kotlin").Long.fromBits(low, high).unsafeCast<Long>()\n\ninternal inline val Long.low: Int get() =
this.asDynamic().getLowBits().unsafeCast<Int>()\n\ninternal inline val Long.high: Int get() =
this.asDynamic().getHighBits().unsafeCast<Int>()", "/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n *\n\npackage kotlin.text\n\n/**\n * Returns a string representation of this
[Long] value in the specified [radix].\n *\n * @throws IllegalArgumentException when [radix] is not a valid radix
for number to string conversion.\n *\n@SinceKotlin("1.2")\npublic actual fun Long.toString(radix: Int): String =
asDynamic().toString(checkRadix(radix))", "/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *\n\npackage kotlin.collections\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED
by the GenerateStandardLib.kt\n// See: https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n/\n\nimport
kotlin.js.*\nimport kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Reverses elements in the list in-
place.\n *\npublic actual fun <T> MutableList<T>.reverse(): Unit {\n    val midPoint = (size / 2) - 1\n    if
(midPoint < 0) return\n    var reverseIndex = lastIndex\n    for (index in 0..midPoint) {\n        val tmp = this[index]\n
        this[index] = this[reverseIndex]\n        this[reverseIndex] = tmp\n        reverseIndex--\n    }\n}\n\n", "/*\n *
Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is
governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\npackage
kotlin.text\n\n/\n// NOTE: THIS FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n/\n\nimport kotlin.js.*\n\n/**\n * Returns a
character at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is out of bounds of this char
sequence.\n *\n * @sample samples.collections.Collections.Elements.elementAt\n *\npublic actual fun
CharSequence.elementAt(index: Int): Char {\n    return elementAtOrElse(index) { throw
IndexOutOfBoundsException("index: $index, length: $length")} }\n}\n\n", "/*\n * Copyright 2010-2019 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n *\n\npackage kotlin.collections\n\n/\n// NOTE: THIS
FILE IS AUTO-GENERATED by the GenerateStandardLib.kt\n// See:
https://github.com/JetBrains/kotlin/tree/master/libraries/stdlib\n/\n\nimport kotlin.js.*\nimport
kotlin.ranges.contains\nimport kotlin.ranges.reversed\n\n/**\n * Returns an element at the given [index] or throws
an [IndexOutOfBoundsException] if the [index] is out of bounds of this array.\n *\n * @sample
samples.collections.Collections.Elements.elementAt\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual fun UIntArray.elementAt(index: Int):
UInt {\n    return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size")} }\n}\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.\n *\n * @sample samples.collections.Collections.Elements.elementAt\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual fun ULongArray.elementAt(index: Int):
ULong {\n    return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size")} }\n}\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.\n *\n * @sample samples.collections.Collections.Elements.elementAt\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual fun UByteArray.elementAt(index: Int):
UByte {\n    return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size")} }\n}\n\n/**\n * Returns an element at the given [index] or throws an [IndexOutOfBoundsException] if the [index] is
out of bounds of this array.\n *\n * @sample samples.collections.Collections.Elements.elementAt\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual fun UShortArray.elementAt(index: Int):
UShort {\n    return elementAtOrElse(index) { throw IndexOutOfBoundsException("index: $index, size: $size")} }\n}

```



```

}\n}\n\n/**\n * Returns a [List] that wraps the original array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual fun UIntArray.asList(): List<UInt> {\n
return object : AbstractList<UInt>(), RandomAccess {\n    override val size: Int get() = this@asList.size\n
override fun isEmpty(): Boolean = this@asList.isEmpty()\n    override fun contains(element: UInt): Boolean =\n
this@asList.contains(element)\n    override fun get(index: Int): UInt {\n
AbstractList.checkElementIndex(index, size)\n        return this@asList[index]\n    }\n    override fun\n
indexOf(element: UInt): Int {\n        if ((element as Any?) !is UInt) return -1\n            return\n
this@asList.indexOf(element)\n    }\n    override fun lastIndexOf(element: UInt): Int {\n        if ((element as\n
Any?) !is UInt) return -1\n            return this@asList.lastIndexOf(element)\n    }\n }\n}\n\n/**\n * Returns a\n
[List] that wraps the original array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual fun\n
ULongArray.asList(): List<ULong> {\n    return object : AbstractList<ULong>(), RandomAccess {\n        override\n
val size: Int get() = this@asList.size\n        override fun isEmpty(): Boolean = this@asList.isEmpty()\n        override\n
fun contains(element: ULong): Boolean = this@asList.contains(element)\n        override fun get(index: Int): ULong\n
{\n            AbstractList.checkElementIndex(index, size)\n                return this@asList[index]\n            }\n        override\n
fun indexOf(element: ULong): Int {\n            if ((element as Any?) !is ULong) return -1\n                return\n
this@asList.indexOf(element)\n            }\n        override fun lastIndexOf(element: ULong): Int {\n            if ((element\n
as Any?) !is ULong) return -1\n                return this@asList.lastIndexOf(element)\n            }\n        }\n}\n}\n\n/**\n * Returns\n
a [List] that wraps the original array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual\n
fun UByteArray.asList(): List<UByte> {\n    return object : AbstractList<UByte>(), RandomAccess {\n        override\n
val size: Int get() = this@asList.size\n        override fun isEmpty(): Boolean = this@asList.isEmpty()\n        override\n
fun contains(element: UByte): Boolean = this@asList.contains(element)\n        override fun get(index: Int):\n
UByte {\n            AbstractList.checkElementIndex(index, size)\n                return this@asList[index]\n            }\n        override\n
fun indexOf(element: UByte): Int {\n            if ((element as Any?) !is UByte) return -1\n                return\n
this@asList.indexOf(element)\n            }\n        override fun lastIndexOf(element: UByte): Int {\n            if ((element\n
as Any?) !is UByte) return -1\n                return this@asList.lastIndexOf(element)\n            }\n        }\n}\n}\n\n/**\n * Returns\n
a [List] that wraps the original array.\n
*\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic actual\n
fun UShortArray.asList(): List<UShort> {\n    return object : AbstractList<UShort>(), RandomAccess {\n        override\n
val size: Int get() = this@asList.size\n        override fun isEmpty(): Boolean = this@asList.isEmpty()\n        override\n
fun contains(element: UShort): Boolean = this@asList.contains(element)\n        override fun get(index:\n
Int): UShort {\n            AbstractList.checkElementIndex(index, size)\n                return this@asList[index]\n            }\n        override\n
fun indexOf(element: UShort): Int {\n            if ((element as Any?) !is UShort) return -1\n                return\n
this@asList.indexOf(element)\n            }\n        override fun lastIndexOf(element: UShort): Int {\n            if ((element\n
as Any?) !is UShort) return -1\n                return this@asList.lastIndexOf(element)\n            }\n        }\n}\n}\n\n", "@file:\n
Suppress("DEPRECATION")\npackage jquery.ui\n\nimport jquery.UI\nimport jquery.JQuery\nimport\n
kotlin.js.Json\n\n@Deprecated("Use declarations from 'https://bintray.com/kotlin/js-externals/kotlin-js-jquery'\n
package instead.")\npublic inline fun JQuery.buttonset(): JQuery = asDynamic().buttonset()\n\n@Deprecated("Use\n
declarations from 'https://bintray.com/kotlin/js-externals/kotlin-js-jquery' package instead.")\npublic inline fun\n
JQuery.dialog(): JQuery = asDynamic().dialog()\n\n@Deprecated("Use declarations from\n
'https://bintray.com/kotlin/js-externals/kotlin-js-jquery' package instead.")\npublic inline fun JQuery.dialog(params:\n
Json): JQuery = asDynamic().dialog(params)\n\n@Deprecated("Use declarations from\n
'https://bintray.com/kotlin/js-externals/kotlin-js-jquery' package instead.")\npublic inline fun JQuery.dialog(mode:\n
String, param: String): Any? = asDynamic().dialog(mode, param)\n\n@Deprecated("Use declarations from\n
'https://bintray.com/kotlin/js-externals/kotlin-js-jquery' package instead.")\npublic inline fun JQuery.dialog(mode:\n
String): JQuery = asDynamic().dialog(mode)\n\n@Deprecated("Use declarations from\n
'https://bintray.com/kotlin/js-externals/kotlin-js-jquery' package instead.")\npublic inline fun JQuery.dialog(mode:\n
String, param: String, value: Any?): JQuery = asDynamic().dialog(mode, param, value)\n\n@Deprecated("Use\n
declarations from 'https://bintray.com/kotlin/js-externals/kotlin-js-jquery' package instead.")\npublic inline fun\n
JQuery.button(): JQuery = asDynamic().button()\n\n@Deprecated("Use declarations from

```

```
'https://bintray.com/kotlin/js-externals/kotlin-js-jquery' package instead.
)
public inline fun JQuery.accordion():
JQuery = asDynamic().accordion()
@Deprecated("Use declarations from 'https://bintray.com/kotlin/js-
externals/kotlin-js-jquery' package instead.")
public inline fun JQuery.draggable(params: Json): JQuery =
asDynamic().draggable(params)
@Deprecated("Use declarations from 'https://bintray.com/kotlin/js-
externals/kotlin-js-jquery' package instead.")
public inline fun JQuery.selectable(): JQuery =
asDynamic().selectable()
"
"
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license/LICENSE.txt file.
*/
package kotlin.js
import
kotlin.annotation.AnnotationTarget.*
@Target(CLASS, FUNCTION, PROPERTY, CONSTRUCTOR,
VALUE_PARAMETER, PROPERTY_GETTER, PROPERTY_SETTER)
@Deprecated("Use `external` modifier
instead", level = DeprecationLevel.ERROR)
public annotation class native(public val name: String =
"")
@Target(FUNCTION)
@Deprecated("Use inline extension function with body using dynamic")
public annotation class nativeGetter
@Target(FUNCTION)
@Deprecated("Use inline extension function with body
using dynamic")
public annotation class nativeSetter
@Target(FUNCTION)
@Deprecated("Use inline
extension function with body using dynamic")
public annotation class nativeInvoke
@Target(CLASS,
FUNCTION, PROPERTY)
internal annotation class library(public val name: String =
"")
@Target(CLASS)
internal annotation class marker
/**
* Gives a declaration (a function, a property or
a class) specific name in JavaScript.
* This may be useful in the following cases:
* * There are two
functions for which the compiler gives same name in JavaScript, you can
* mark one with `@JsName(...)` to
prevent the compiler from reporting error.
* * You are writing a JavaScript library in Kotlin. The compiler
produces mangled names
* for functions with parameters, which is unnatural for usual JavaScript developer.
* You can put `@JsName(...)` on functions you want to be available from JavaScript.
* * For some reason you
want to rename declaration, e.g. there's common term in JavaScript
* for a concept provided by the declaration,
which is uncommon in Kotlin.
* Example:
* ``` kotlin
* class Person(val name: String) {
* fun
hello() {
* println("Hello $name!")
* }
* @JsName("helloWithGreeting")
* fun
hello(greeting: String) {
* println("$greeting $name!")
* }
* }
* ```
* @property name the
name which compiler uses both for declaration itself and for all references to the declaration.
* It's required
to denote a valid JavaScript identifier.
*/
@Retention(AnnotationRetention.BINARY)
@Target(CLASS,
FUNCTION, PROPERTY, CONSTRUCTOR, PROPERTY_GETTER, PROPERTY_SETTER)
public actual
annotation class JsName(actual val name: String)
/**
* Denotes an `external` declaration that must be imported
from native JavaScript library.
* The compiler produces the code relevant for the target module system, for
example, in case of CommonJS,
* it will import the declaration via the `require(...)` function.
* The
annotation can be used on top-level external declarations (classes, properties, functions) and files.
* In case of file
(which can't be `external`) the following rule applies: all the declarations in
* the file must be `external`.
By
applying `@JsModule(...)` on a file you tell the compiler to import a JavaScript object
* that contain all the
declarations from the file.
* Example:
* ``` kotlin
* @JsModule("jquery")
* external abstract class
JQuery() {
* // some declarations here
* }
* @JsModule("jquery")
* external fun JQuery(element:
Element): JQuery
* ```
* @property import name of a module to import declaration from.
* It is not
interpreted by the Kotlin compiler, it's passed as is directly to the target module system.
* @see
JsNonModule
*/
@Retention(AnnotationRetention.BINARY)
@Target(CLASS, PROPERTY, FUNCTION,
FILE)
public annotation class JsModule(val import: String)
/**
* Denotes an `external` declaration that can be
used without module system.
* By default, an `external` declaration is available regardless your target module
system.
* However, by applying [JsModule] annotation you can make a declaration unavailable to *plain* module
system.
* Some JavaScript libraries are distributed both as a standalone downloadable piece of JavaScript and as a
module available
* as an npm package.
* To tell the Kotlin compiler to accept both cases, you can augment
[JsModule] with the `@JsNonModule` annotation.
* For example:
* ``` kotlin
*
* @JsModule("jquery")
* @JsNonModule
* @JsName("$")
* external abstract class JQuery() {
* //
some declarations here
* }
* @JsModule("jquery")
* @JsNonModule
* @JsName("$")
* external

```

```

fun JQuery(element: Element): JQuery {
    * @see JsModule
    * @Retention(AnnotationRetention.BINARY) @Target(CLASS, PROPERTY, FUNCTION, FILE)
    public annotation class JsNonModule {
        * Adds prefix to `external` declarations in a source file.
        * JavaScript does not have concept of packages (namespaces). They are usually emulated by nested objects.
        * The compiler turns references to `external` declarations either to plain unprefixed names (in case of *plain* modules)
        * or to plain imports.
        * However, if a JavaScript library provides its declarations in packages, you won't be satisfied with this.
        * You can tell the compiler to generate additional prefix before references to `external` declarations using the
        * `@JsQualifier(...)` annotation.
        * Note that a file marked with the `@JsQualifier(...)` annotation can't contain non-`external` declarations.
        * Example:
        * @file:JsQualifier("my.jsPackageName")
        * package some.kotlinPackage
        * external fun foo(x: Int)
        * external fun bar(): String
        * @property value the qualifier to add to the declarations in the generated code.
        * It must be a sequence of valid JavaScript identifiers separated by the `.` character.
        * Examples of valid qualifiers are: `foo`, `bar.Baz`, `_.$.f`.
        * @see JsModule
    }
}

* @Retention(AnnotationRetention.BINARY) @Target(AnnotationTarget.FILE)
public annotation class JsQualifier(val value: String) {
    * Marks experimental JS export annotations.
    * Note that behaviour of these annotations will likely be changed in the future.
    * Usages of such annotations will be reported as warnings unless an explicit opt-in with
    * the [UseExperimental] annotation, e.g.
    * @UseExperimental(ExperimentalJsExport::class)
    * or with the `Xuse-experimental=kotlin.js.ExperimentalJsExport` compiler option is given.
}

* @Experimental(level = Experimental.Level.WARNING)
@SinceKotlin("1.3")
public annotation class ExperimentalJsExport {
    * Exports top-level declaration.
    * Used in future IR-based backend.
    * Has no effect in current JS backend.
}

* @ExperimentalJsExport
@SinceKotlin("1.3")
@Retention(AnnotationRetention.BINARY)
@Target(CLASS, PROPERTY, FUNCTION, FILE)
public annotation class JsExport {
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}

package kotlin.jvm {
    // these are used in common generated code in stdlib
    // TODO: find how to deprecate these
}

@Target(AnnotationTarget.FIELD)
@Retention(AnnotationRetention.SOURCE)
public actual annotation class Volatile {
}

@Target(AnnotationTarget.FUNCTION, AnnotationTarget.PROPERTY_GETTER, AnnotationTarget.PROPERTY_SETTER)
@Retention(AnnotationRetention.SOURCE)
public actual annotation class Synchronized {
}

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 */
package kotlin.collections {
    * Provides a skeletal implementation of the [MutableCollection] interface.
    * @param E the type of elements contained in the collection. The collection is invariant on its element type.
    * public actual abstract class AbstractMutableCollection<E> protected actual constructor() : AbstractCollection<E>(), MutableCollection<E> {
        * actual abstract override fun add(element: E): Boolean {
        * actual override fun remove(element: E): Boolean {
        * val iterator = iterator()
        * while (iterator.hasNext()) {
        *     if (iterator.next() == element) {
        *         iterator.remove()
        *         return true
        *     }
        * }
        * return false
        * }
        * actual override fun addAll(elements: Collection<E>): Boolean {
        * var modified = false
        * for (element in elements) {
        *     if (add(element)) modified = true
        * }
        * return modified
        * }
        * actual override fun removeAll(elements: Collection<E>): Boolean = (this as MutableIterable<E>).removeAll { it in elements }
        * actual override fun retainAll(elements: Collection<E>): Boolean = (this as MutableIterable<E>).removeAll { it !in elements }
        * actual override fun clear(): Unit {
        * val iterator = this.iterator()
        * while (iterator.hasNext()) {
        *     iterator.next()
        *     iterator.remove()
        * }
        * }
        * @JsName("toJSON")
        * open fun toJSON(): Any = this.toArray()
    }
}

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 */
package kotlin.collections {
    * Based on GWT AbstractList
    * Copyright 2007 Google Inc.
    * Provides a skeletal implementation of the [MutableList] interface.
    * @param E the type of elements contained in the list. The list is invariant on its
}

```

```

element type.\n */\npublic actual abstract class AbstractMutableList<E> protected actual constructor() :
AbstractMutableCollection<E>(), MutableList<E> {\n    protected var modCount: Int = 0\n\n    abstract override fun
add(index: Int, element: E): Unit\n\n    abstract override fun removeAt(index: Int): E\n\n    abstract override fun
set(index: Int, element: E): E\n\n    /**\n     * Adds the specified element to the end of this list.\n     *\n     * @return
`true` because the list is always modified as the result of this operation.\n     */\n\n    actual override fun add(element:
E): Boolean {\n        add(size, element)\n        return true\n    }\n\n    actual override fun addAll(index: Int, elements:
Collection<E>): Boolean {\n        var _index = index\n        var changed = false\n        for (e in elements) {\n
add(_index++, e)\n            changed = true\n        }\n        return changed\n    }\n\n    actual override fun clear() {\n
removeRange(0, size)\n    }\n\n    actual override fun removeAll(elements: Collection<E>): Boolean = removeAll {
it in elements }\n\n    actual override fun retainAll(elements: Collection<E>): Boolean = removeAll { it !in elements
}\n\n    actual override fun iterator(): MutableIterator<E> = IteratorImpl()\n\n    actual override fun
contains(element: E): Boolean = indexOf(element) >= 0\n\n    actual override fun indexOf(element: E): Int {\n
for (index in 0..lastIndex) {\n        if (get(index) == element) {\n            return index\n        }\n    }\n
return -1\n}\n\n    actual override fun lastIndexOf(element: E): Int {\n        for (index in lastIndex downTo 0) {\n
if (get(index) == element) {\n            return index\n        }\n    }\n    return -1\n}\n\n    actual
override fun listIterator(): MutableListIterator<E> = listIterator(0)\n\n    actual override fun listIterator(index: Int):
MutableListIterator<E> = ListIteratorImpl(index)\n\n\n    actual override fun subList(fromIndex: Int, toIndex: Int):
MutableList<E> = SubList(this, fromIndex, toIndex)\n\n    /**\n     * Removes the range of elements from this list
starting from [fromIndex] and ending with but not including [toIndex].\n     */\n\n    protected open fun
removeRange(fromIndex: Int, toIndex: Int) {\n        val iterator = listIterator(fromIndex)\n        repeat(toIndex -
fromIndex) {\n            iterator.next()\n            iterator.remove()\n        }\n    }\n\n    /**\n     * Compares this list with
another list instance with the ordered structural equality.\n     *\n     * @return true, if [other] instance is a [List] of
the same size, which contains the same elements in the same order.\n     */\n\n    override fun equals(other: Any?):
Boolean {\n        if (other === this) return true\n        if (other !is List<*>) return false\n\n        return
AbstractList.orderedEquals(this, other)\n    }\n\n    /**\n     * Returns the hash code value for this list.\n     */\n\n
override fun hashCode(): Int = AbstractList.orderedHashCode(this)\n\n\n    private open inner class IteratorImpl :
MutableIterator<E> {\n        /** the index of the item that will be returned on the next call to [next]() */\n
protected var index = 0\n        /** the index of the item that was returned on the previous call to [next]() */\n
protected var last = -1\n\n        override fun hasNext(): Boolean = index < size\n\n        override fun next(): E {\n
if (!hasNext())\n            throw NoSuchElementException()\n            last = index++\n            return get(last)\n        }\n\n
override fun remove() {\n        check(last != -1) { "Call next() or previous() before removing element from the iterator." }\n
removeAt(last)\n        index = last\n        last = -1\n    }\n\n    /**\n     * Implementation of
`MutableListIterator` for abstract lists.\n     */\n\n    private inner class ListIteratorImpl(index: Int) : IteratorImpl(),
MutableListIterator<E> {\n        init {\n            AbstractList.checkPositionIndex(index,
this@AbstractMutableList.size)\n            this.index = index\n        }\n\n        override fun hasPrevious(): Boolean =
index > 0\n\n        override fun nextIndex(): Int = index\n\n        override fun previous(): E {\n            if
(!hasPrevious()) throw NoSuchElementException()\n            last = --index\n            return get(last)\n        }\n\n
override fun previousIndex(): Int = index - 1\n\n        override fun add(element: E) {\n            add(index, element)\n
index++\n            last = -1\n        }\n\n        override fun set(element: E) {\n            check(last != -1) { "Call
next() or previous() before updating element value with the iterator." }\n            this@AbstractMutableList[last] =
element\n        }\n    }\n\n    private class SubList<E>(private val list: AbstractMutableList<E>, private val
fromIndex: Int, toIndex: Int) : AbstractMutableList<E>(), RandomAccess {\n        private var _size: Int = 0\n\n        init {\n
AbstractList.checkRangeIndexes(fromIndex, toIndex, list.size)\n            this._size = toIndex -
fromIndex\n        }\n\n        override fun add(index: Int, element: E) {\n
AbstractList.checkPositionIndex(index, _size)\n            list.add(fromIndex + index, element)\n            _size++\n
        }\n\n        override fun get(index: Int): E {\n            AbstractList.checkElementIndex(index, _size)\n            return
list[fromIndex + index]\n        }\n\n        override fun removeAt(index: Int): E {\n

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AbstractList.checkElementIndex(index, _size)\n\n        val result = list.removeAt(fromIndex + index)\n
_size--\n        return result\n    }\n\n    override fun set(index: Int, element: E): E {\n
AbstractList.checkElementIndex(index, _size)\n\n        return list.set(fromIndex + index, element)\n    }\n\n
override val size: Int get() = _size\n    }\n\n}\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n * ^/\n * Based on GWT AbstractMap\n * Copyright 2007 Google Inc.\n
*/\n\npackage kotlin.collections\n\n/**\n * Provides a skeletal implementation of the [MutableMap] interface.\n *
* The implementor is required to implement [entries] property, which should return mutable set of map entries, and
[put] function.\n * \n * @param K the type of map keys. The map is invariant on its key type.\n * @param V the type
of map values. The map is invariant on its value type.\n * ^/\n\npublic actual abstract class AbstractMutableMap<K, V>
protected actual constructor() : AbstractMap<K, V>(), MutableMap<K, V> {\n\n    /**\n     * A mutable
[Map.Entry] shared by several [Map] implementations.\n     * ^/\n     internal open class SimpleEntry<K, V>(override
val key: K, value: V) : MutableMap.MutableEntry<K, V> {\n\n        constructor(entry: Map.Entry<K, V>) :
this(entry.key, entry.value)\n\n        private var _value = value\n\n        override val value: V get() = _value\n\n
override fun setValue(newValue: V): V {\n\n            val oldValue = this._value\n            this._value = newValue\n
return oldValue\n        }\n\n        override fun hashCode(): Int = entryHashCode(this)\n        override fun toString():
String = entryToString(this)\n\n        override fun equals(other: Any?): Boolean = entryEquals(this, other)\n\n    }\n\n
actual override fun clear() {\n    entries.clear()\n}\n\n    private var _keys: MutableSet<K>? = null\n    actual
override val keys: MutableSet<K>\n    get() {\n        if (_keys == null) {\n            _keys = object :
AbstractMutableSet<K>() {\n\n                override fun add(element: K): Boolean = throw
UnsupportedOperationException("Add is not supported on keys")\n\n                override fun clear() {\n
this@AbstractMutableMap.clear()\n                }\n\n                override operator fun contains(element: K):
Boolean = containsKey(element)\n\n                override operator fun iterator(): MutableIterator<K> {\n
val entryIterator = entries.iterator()\n                return object : MutableIterator<K> {\n
\n                    override fun hasNext(): Boolean = entryIterator.hasNext()\n\n                    override fun next(): K =
entryIterator.next().key\n\n                    override fun remove() = entryIterator.remove()\n                }\n
\n                override fun remove(element: K): Boolean {\n\n                    if (containsKey(element)) {\n
this@AbstractMutableMap.remove(element)\n                    return true\n                }\n\n                return false\n            }\n\n            override val size: Int get() = this@AbstractMutableMap.size\n
}\n\n        }\n\n        return _keys!!\n    }\n\n    actual abstract override fun put(key: K, value: V): V?\n\n
actual override fun putAll(from: Map<out K, V>) {\n    for ((key, value) in from) {\n        put(key, value)\n
}\n    }\n\n    private var _values: MutableCollection<V>? = null\n    actual override val values:
MutableCollection<V>\n    get() {\n        if (_values == null) {\n            _values = object :
AbstractMutableCollection<V>() {\n\n                override fun add(element: V): Boolean = throw
UnsupportedOperationException("Add is not supported on values")\n\n                override fun clear() =
this@AbstractMutableMap.clear()\n\n                override operator fun contains(element: V): Boolean =
containsValue(element)\n\n                override operator fun iterator(): MutableIterator<V> {\n\n                    val
entryIterator = entries.iterator()\n                    return object : MutableIterator<V> {\n\n                        override fun
hasNext(): Boolean = entryIterator.hasNext()\n\n                        override fun next(): V = entryIterator.next().value\n
\n                        override fun remove() = entryIterator.remove()\n                    }\n                }\n
\n            override val size: Int get() = this@AbstractMutableMap.size\n\n            // TODO: should we implement them
this way? Currently it's unspecified in JVM\n\n            override fun equals(other: Any?): Boolean {\n
\n                if (this === other) return true\n                if (other !is Collection<*>) return false\n                return
AbstractList.orderedEquals(this, other)\n\n            }\n\n            override fun hashCode(): Int =
AbstractList.orderedHashCode(this)\n\n        }\n\n        return _values!!\n    }\n\n    actual override
fun remove(key: K): V? {\n    val iter = entries.iterator()\n    while (iter.hasNext()) {\n        val entry =
iter.next()\n        val k = entry.key\n        if (key == k) {\n            val value = entry.value\n
iter.remove()\n            return value\n        }\n    }\n    return null\n}\n\n}\n\n"/*\n * Copyright 2010-2018

```

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Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\npackage kotlin.collections\n\n/**\n * Provides a skeletal implementation of the [MutableSet] interface.\n */\n * @param E the type of elements contained
in the set. The set is invariant on its element type.\n */\npublic actual abstract class AbstractMutableSet<E>
protected actual constructor() : AbstractMutableCollection<E>(), MutableSet<E> {\n\n    /**\n     * Compares this
set with another set instance with the unordered structural equality.\n     */\n     * @return `true`, if [other] instance is
a [Set] of the same size, all elements of which are contained in this set.\n     */\n     override fun equals(other: Any?):
Boolean {\n         if (other === this) return true\n         if (other !is Set<*>) return false\n         return
AbstractSet.setEquals(this, other)\n     }\n\n     /**\n     * Returns the hash code value for this set.\n     */\n     override
fun hashCode(): Int = AbstractSet.unorderedHashCode(this)\n\n     */\n     * Copyright 2010-2018 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n     * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n     */\n\npackage kotlin.collections\n\n/**\n * Provides a [MutableList]
implementation, which uses a resizable array as its backing storage.\n */\n * This implementation doesn't provide a
way to manage capacity, as backing JS array is resizeable itself.\n * There is no speed advantage to pre-allocating
array sizes in JavaScript, so this implementation does not include any of the\n * capacity and \"growth increment\"
concepts.\n */\n\npublic actual open class ArrayList<E> internal constructor(private var array: Array<Any?>) :
AbstractMutableList<E>(), MutableList<E>, RandomAccess {\n\n    /**\n     * Creates an empty [ArrayList].\n     */\n     public actual constructor() : this(emptyArray()) {\n\n         /**\n          * Creates an empty [ArrayList].\n          */\n          * @param initialCapacity initial capacity (ignored)\n          */\n          * @Suppress(\"ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS\")\n          public actual
constructor(initialCapacity: Int = 0) : this(emptyArray()) {\n\n             /**\n              * Creates an [ArrayList] filled from the
[elements] collection.\n              */\n              public actual constructor(elements: Collection<E>) :
this(elements.toArray<Any?>()) {\n\n                  /**\n                   * Does nothing in this ArrayList implementation. */\n                   public
actual fun trimToSize() {\n\n                       /**\n                        * Does nothing in this ArrayList implementation. */\n                        public actual fun
ensureCapacity(minCapacity: Int) {\n\n                            actual override val size: Int get() = array.size\n                            @Suppress(\"UNCHECKED_CAST\")\n                            actual override fun get(index: Int): E = array[rangeCheck(index)] as E\n                            actual override fun set(index: Int, element: E): E {\n                                rangeCheck(index)\n                                @Suppress(\"UNCHECKED_CAST\")\n                                return array[index].apply { array[index] = element } as E\n                            }\n                            actual override fun add(element: E): Boolean {\n                                array.asDynamic().push(element)\n                                modCount++\n                                return true\n                            }\n                            actual override fun add(index: Int, element: E): Unit {\n                                array.asDynamic().splice(insertionRangeCheck(index), 0, element)\n                                modCount++\n                            }\n                            actual override
fun addAll(elements: Collection<E>): Boolean {\n                                if (elements.isEmpty()) return false\n                                array +=
elements.toArray<Any?>()\n                                modCount++\n                                return true\n                            }\n                            actual override fun addAll(index:
Int, elements: Collection<E>): Boolean {\n                                insertionRangeCheck(index)\n                                if (index == size) return
addAll(elements)\n                                if (elements.isEmpty()) return false\n                                when (index) {\n                                    size -> return
addAll(elements)\n                                    0 -> array = elements.toArray<Any?>() + array\n                                    else -> array =
array.copyOfRange(0, index).asDynamic().concat(elements.toArray<Any?>(), array.copyOfRange(index,
size))\n                                }\n                                modCount++\n                                return true\n                            }\n                            actual override fun removeAt(index: Int): E {\n                                rangeCheck(index)\n                                modCount++\n                                return if (index == lastIndex)\n                                    array.asDynamic().pop()\n                                else\n                                    array.asDynamic().splice(index, 1)[0]\n                            }\n                            actual override fun remove(element: E): Boolean {\n                                for (index in array.indices) {\n                                    if (array[index] == element) {\n                                        array.asDynamic().splice(index,
1)\n                                        modCount++\n                                        return true\n                                    }\n                                }\n                                return false\n                            }\n                            override fun
removeRange(fromIndex: Int, toIndex: Int) {\n                                modCount++\n                                array.asDynamic().splice(fromIndex,
toIndex - fromIndex)\n                            }\n                            actual override fun clear() {\n                                array = emptyArray()\n                                modCount++\n                            }\n                            actual override fun indexOf(element: E): Int = array.indexOf(element)\n                            actual override fun
lastIndexOf(element: E): Int = array.lastIndexOf(element)\n                            override fun toString() = arrayToString(array)\n                            override fun toArray(): Array<Any?> = js(\"[]\").slice.call(array)\n\n                            private fun rangeCheck(index: Int) =
index.apply {\n                                AbstractList.checkElementIndex(index, size)\n                            }\n                            private fun

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insertionRangeCheck(index: Int) = index.apply { \n      AbstractList.checkPositionIndex(index, size)\n    }\n}", "/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage\nkotlin.collections\n\ninternal fun <T> sortArrayWith(array: Array<out T>, comparison: (T, T) -> Int) {\n    if\n    (getStableSortingIsSupported()) {\n        array.asDynamic().sort(comparison)\n    } else {\n        mergeSort(array.unsafeCast<Array<T>>(), 0, array.lastIndex, Comparator(comparison))\n    }\n}\n\ninternal fun\n<T> sortArrayWith(array: Array<out T>, comparator: Comparator<in T>) {\n    if (getStableSortingIsSupported())\n    {\n        val comparison = { a: T, b: T -> comparator.compare(a, b) }\n        array.asDynamic().sort(comparison)\n    } else {\n        mergeSort(array.unsafeCast<Array<T>>(), 0, array.lastIndex, comparator)\n    }\n}\n\ninternal fun\n<T : Comparable<T>> sortArray(array: Array<out T>) {\n    if (getStableSortingIsSupported()) {\n        val\n        comparison = { a: T, b: T -> a.compareTo(b) }\n        array.asDynamic().sort(comparison)\n    } else {\n        mergeSort(array.unsafeCast<Array<T>>(), 0, array.lastIndex, naturalOrder())\n    }\n}\n\nprivate var\n_stableSortingIsSupported: Boolean? = null\nprivate fun getStableSortingIsSupported(): Boolean {\n    _stableSortingIsSupported?.let { return it }\n    _stableSortingIsSupported = false\n\n    val array =\n    js("\\[\\]").unsafeCast<Array<Int>>()\n    // known implementations may use stable sort for arrays of up to 512\n    elements\n    // so we create slightly more elements to test stability\n    for (index in 0 until 600)\n    array.asDynamic().push(index)\n    val comparison = { a: Int, b: Int -> (a and 3) - (b and 3) }\n    array.asDynamic().sort(comparison)\n    for (index in 1 until array.size) {\n        val a = array[index - 1]\n        val b\n        = array[index]\n        if ((a and 3) == (b and 3) && a >= b) return false\n    }\n    _stableSortingIsSupported = true\n    return true\n}\n\nprivate fun <T> mergeSort(array: Array<T>, start: Int, endInclusive: Int, comparator:\n    Comparator<in T>) {\n    val buffer = arrayOfNulls<Any?>(array.size).unsafeCast<Array<T>>()\n    val result =\n    mergeSort(array, buffer, start, endInclusive, comparator)\n    if (result !== array) {\n        result.forEachIndexed { i,\n        v -> array[i] = v }\n    }\n}\n\n// Both start and end are inclusive indices.\nprivate fun <T> mergeSort(array:\n    Array<T>, buffer: Array<T>, start: Int, end: Int, comparator: Comparator<in T>): Array<T> {\n    if (start == end)\n    {\n        return array\n    }\n\n    val median = (start + end) / 2\n    val left = mergeSort(array, buffer, start, median,\n    comparator)\n    val right = mergeSort(array, buffer, median + 1, end, comparator)\n\n    val target = if (left ===\n    buffer) array else buffer\n\n    // Merge.\n    var leftIndex = start\n    var rightIndex = median + 1\n    for (i in\n    start..end) {\n        when {\n            leftIndex <= median && rightIndex <= end -> {\n                val leftValue =\n                left[leftIndex]\n                val rightValue = right[rightIndex]\n                if (comparator.compare(leftValue,\n                rightValue) <= 0) {\n                    target[i] = leftValue\n                    leftIndex++\n                } else {\n                    target[i] = rightValue\n                    rightIndex++\n                }\n            }\n            leftIndex <= median -> {\n                target[i] = left[leftIndex]\n                leftIndex++\n            }\n            else /* rightIndex <= end */ -> {\n                target[i] = right[rightIndex]\n                rightIndex++\n            }\n            Unit // TODO: Fix KT-31506\n        }\n    }\n\n    return target\n}", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language\n    contributors.\n    * Use of this source code is governed by the Apache 2.0 license that can be found in the\n    license/LICENSE.txt file.\n */\n\npackage\nkotlin.collections\n\n@UseExperimental(ExperimentalUnsignedTypes::class)\n@SinceKotlin("1.3")\n@kotlin.js\n JsName("contentDeepHashCodeImpl")\ninternal fun <T> Array<out T>.contentDeepHashCodeImpl(): Int {\n    var result = 1\n    for (element in this) {\n        val elementHash = when {\n            element == null -> 0\n            isArrayish(element) -> (element.unsafeCast<Array<*>>()).contentDeepHashCodeImpl()\n            element is\n            UByteArray -> element.contentHashCode()\n            element is UShortArray -> element.contentHashCode()\n            element is UIntArray -> element.contentHashCode()\n            element is ULongArray ->\n            element.contentHashCode()\n            else -> element.hashCode()\n        }\n        result = 31 * result +\n        elementHash\n    }\n    return result\n}", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming\n    Language contributors.\n    * Use of this source code is governed by the Apache 2.0 license that can be found in the\n    license/LICENSE.txt file.\n */\n\npackage kotlin.collections\n\ninterface EqualityComparator {\n    /**\n    * Subclasses must override to return a value indicating\n    * whether or not two keys or values are equal.\n    */\n    abstract fun equals(value1: Any?, value2: Any?): Boolean\n\n    /**\n    * Subclasses must override to return the

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hash code of a given key.\n    */\n    abstract fun getHashCode(value: Any?): Int\n\n    object hashCode :
EqualityComparator {\n        override fun equals(value1: Any?, value2: Any?): Boolean = value1 == value2\n\n        override fun getHashCode(value: Any?): Int = value?.hashCode() ?: 0\n    }\n}"/*\n * Copyright 2010-2018
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n * Based on GWT
AbstractHashMap\n * Copyright 2008 Google Inc.\n */\n\npackage kotlin.collections\n\nimport
kotlin.collections.MutableMap.MutableEntry\n\n/**\n * Hash table based implementation of the [MutableMap]
interface.\n * This implementation makes no guarantees regarding the order of enumeration of [keys], [values]
and [entries] collections.\n */\n\npublic actual open class HashMap<K, V> : AbstractMutableMap<K, V>,
MutableMap<K, V> {\n\n    private inner class EntrySet : AbstractMutableSet<MutableEntry<K, V>>() {\n\n        override fun add(element: MutableEntry<K, V>): Boolean = throw UnsupportedOperationException("Add is not
supported on entries")\n\n        override fun clear() {\n            this@HashMap.clear()\n        }\n\n        override
operator fun contains(element: MutableEntry<K, V>): Boolean = containsEntry(element)\n\n        override operator
fun iterator(): MutableIterator<MutableEntry<K, V>> = internalMap.iterator()\n\n        override fun
remove(element: MutableEntry<K, V>): Boolean {\n            if (contains(element)) {\n                this@HashMap.remove(element.key)\n                return true\n            }\n            return false\n        }\n\n        override
val size: Int get() = this@HashMap.size\n    }\n\n    /**\n     * Internal implementation of the map: either string-
based or hashcode-based.\n     */\n    private val internalMap: InternalMap<K, V>\n\n    private val equality:
EqualityComparator\n\n    internal constructor(internalMap: InternalMap<K, V>) : super() {\n        this.internalMap
= internalMap\n        this.equality = internalMap.equality\n    }\n\n    /**\n     * Constructs an empty [HashMap]
instance.\n     */\n    actual constructor() : this(InternalHashCodeMap(EqualityComparator.HashCode))\n\n    /**\n     * Constructs an empty [HashMap] instance.\n     * @param initialCapacity the initial capacity (ignored)\n     * @param loadFactor the load factor (ignored)\n     * @throws IllegalArgumentException if the initial
capacity or load factor are negative\n     */\n    @Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n    actual constructor(initialCapacity:
Int, loadFactor: Float = 0.0f) : this() {\n        // This implementation of HashMap has no need of load factors or
capacities.\n        require(initialCapacity >= 0) { "Negative initial capacity: $initialCapacity" }\n        require(loadFactor >= 0) { "Non-positive load factor: $loadFactor" }\n    }\n\n    actual constructor(initialCapacity:
Int) : this(initialCapacity, 0.0f)\n\n    /**\n     * Constructs an instance of [HashMap] filled with the contents of the
specified [original] map.\n     */\n    actual constructor(original: Map<out K, V>) : this() {\n        this.putAll(original)\n    }\n\n    actual override fun clear() {\n        internalMap.clear()\n\n        structureChanged(this)\n    }\n\n    actual override fun containsKey(key: K): Boolean =
internalMap.containsKey()\n\n    actual override fun containsValue(value: V): Boolean = internalMap.any {
equality.equals(it.value, value) }\n\n    private var _entries: MutableSet<MutableMap.MutableEntry<K, V>>? =
null\n\n    actual override val entries: MutableSet<MutableMap.MutableEntry<K, V>>\n        get() {\n            if
(_entries == null) {\n                _entries = createEntrySet()\n            }\n            return _entries!!\n        }\n\n    protected open fun createEntrySet(): MutableSet<MutableMap.MutableEntry<K, V>> = EntrySet()\n\n    actual
override operator fun get(key: K): V? = internalMap.get(key)\n\n    actual override fun put(key: K, value: V): V? =
internalMap.put(key, value)\n\n    actual override fun remove(key: K): V? = internalMap.remove(key)\n\n    actual
override val size: Int get() = internalMap.size\n}\n\n/**\n * Constructs the specialized implementation of
[HashMap] with [String] keys, which stores the keys as properties of\n * JS object without hashing them.\n */\n\npublic fun <V> stringMapOf(vararg pairs: Pair<String, V>): HashMap<String, V> {\n    return
HashMap<String, V>(InternalStringMap(EqualityComparator.HashCode)).apply { putAll(pairs) }\n}"/*\n *
Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is
governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n * Based on GWT
HashSet\n * Copyright 2008 Google Inc.\n */\n\npackage kotlin.collections\n\n/**\n * The implementation of the
[MutableSet] interface, backed by a [HashMap] instance.\n */\n\npublic actual open class HashSet<E> :
AbstractMutableSet<E>, MutableSet<E> {\n\n    private val map: HashMap<E, Any>\n\n    /**\n     * Constructs a

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new empty [HashSet].\n    */\n    actual constructor() {\n        map = HashMap<E, Any>()\n    }\n    /**\n    * Constructs a new [HashSet] filled with the elements of the specified collection.\n    */\n    actual\n    constructor(elements: Collection<E>) {\n        map = HashMap<E, Any>(elements.size)\n        addAll(elements)\n    }\n    /**\n    * Constructs a new empty [HashSet].\n    */\n    * @param initialCapacity the initial capacity\n    (ignored)\n    * @param loadFactor the load factor (ignored)\n    */\n    * @throws IllegalArgumentException if\n    the initial capacity or load factor are negative\n    */\n    @Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n    actual constructor(initialCapacity:\n    Int, loadFactor: Float = 0.0f) {\n        map = HashMap<E, Any>(initialCapacity, loadFactor)\n    }\n    actual\n    constructor(initialCapacity: Int) : this(initialCapacity, 0.0f)\n    /**\n    * Protected constructor to specify the\n    underlying map. This is used by\n    * LinkedHashMap.\n    */\n    * @param map underlying map to use.\n    */\n    internal constructor(map: HashMap<E, Any>) {\n        this.map = map\n    }\n    actual override fun add(element:\n    E): Boolean {\n        val old = map.put(element, this)\n        return old == null\n    }\n    actual override fun clear()\n    {\n        map.clear()\n    }\n    public override fun clone(): Any {\n        return HashSet<E>(this)\n    }\n    actual override operator fun contains(element: E): Boolean = map.containsKey(element)\n    actual override fun\n    isEmpty(): Boolean = map.isEmpty()\n    actual override fun iterator(): MutableIterator<E> =\n    map.keys.iterator()\n    actual override fun remove(element: E): Boolean = map.remove(element) != null\n    actual override val size: Int get() = map.size\n}\n\n/**\n * Creates a new instance of the specialized\n    implementation of [HashSet] with the specified [String] elements,\n    * which elements the keys as properties of JS\n    object without hashing them.\n    */\n    public fun stringSetOf(vararg elements: String): HashSet<String> {\n        return\n        HashSet(stringMapOf<Any>()).apply { addAll(elements) }\n    }\n}\n\n"/\n\n * Copyright 2010-2018 JetBrains s.r.o. and\n    Kotlin Programming Language contributors.\n    * Use of this source code is governed by the Apache 2.0 license that\n    can be found in the license/LICENSE.txt file.\n    */\n\n * Based on GWT InternalHashMap\n    * Copyright\n    2008 Google Inc.\n    */\n\npackage kotlin.collections\n\nimport\n    kotlin.collections.MutableMap.MutableEntry\nimport kotlin.collections.AbstractMutableMap.SimpleEntry\n\n/**\n * A simple wrapper around JavaScriptObject to provide [java.util.Map]-like semantics for any\n    * key type.\n    */\n    * Implementation notes:\n    * A key's hashCode is the index in backingMap which should contain that\n    key. Since several keys may\n    * have the same hash, each value in hashCodeMap is actually an array containing all\n    entries whose\n    * keys share the same hash.\n    */\n    internal class InternalHashMap<K, V>(override val equality:\n    EqualityComparator) : InternalMap<K, V> {\n        private var backingMap: dynamic = createJsMap()\n        override\n        var size: Int = 0\n        private set\n        override fun put(key: K, value: V): V? {\n            val hashCode =\n            equality.getHashCode(key)\n            val chainOrEntry = getChainOrEntryOrNull(hashCode)\n            if (chainOrEntry\n            == null) {\n                // This is a new chain, put it to the map.\n                backingMap[hashCode] = SimpleEntry(key,\n                value)\n            } else {\n                if (chainOrEntry !is Array<*>) {\n                    // It is an entry\n                    val entry:\n                    SimpleEntry<K, V> = chainOrEntry\n                    if (equality.equals(entry.key, key)) {\n                        return\n                        entry.setValue(value)\n                    } else {\n                        backingMap[hashCode] = arrayOf(entry, SimpleEntry(key,\n                        value))\n                        size++\n                    }\n                }\n                return null\n            } else {\n                // Chain already\n                exists, perhaps key also exists.\n                val chain: Array<MutableEntry<K, V>> = chainOrEntry\n                val\n                entry = chain.findEntryInChain(key)\n                if (entry != null) {\n                    return entry.setValue(value)\n                }\n                chain.asDynamic().push(SimpleEntry(key, value))\n            }\n            size++\n        }\n        structureChanged(host)\n        return null\n    }\n    override fun remove(key: K): V? {\n        val hashCode =\n        equality.getHashCode(key)\n        val chainOrEntry = getChainOrEntryOrNull(hashCode)?: return null\n        if\n        (chainOrEntry !is Array<*>) {\n            val entry: MutableEntry<K, V> = chainOrEntry\n            if\n            (equality.equals(entry.key, key)) {\n                jsDeleteProperty(backingMap, hashCode)\n                size--\n                return entry.value\n            } else {\n                return null\n            }\n        } else {\n            val chain:\n            Array<MutableEntry<K, V>> = chainOrEntry\n            for (index in chain.indices) {\n                val entry =\n                chain[index]\n                if (equality.equals(key, entry.key)) {\n                    if (chain.size == 1) {\n                        chain.asDynamic().length = 0\n                        // remove the whole array\n                        jsDeleteProperty(backingMap, hashCode)\n                    } else {\n                        // splice out the entry we're

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removing\n                chain.asDynamic().splice(index, 1)\n                }\n                size--\n//
structureChanged(host)\n                return entry.value\n                }\n                }\n                }\n                return null\n                }\n//
override fun clear() {\n    backingMap = createJsMap()\n    size = 0\n    }\n//
override fun contains(key: K):
Boolean = getEntry(key) != null\n//
override fun get(key: K): V? = getEntry(key)?.value\n//
private fun
getEntry(key: K): MutableEntry<K, V>? {\n    val chainOrEntry =
getChainOrEntryOrNull(equality.getHashCode(key)) ?: return null\n    if (chainOrEntry !is Array<*>) {\n
val entry: MutableEntry<K, V> = chainOrEntry\n    if (equality.equals(entry.key, key)) {\n        return
entry\n    } else {\n        return null\n    }\n    } else {\n        val chain: Array<MutableEntry<K,
V>> = chainOrEntry\n        return chain.findEntryInChain(key)\n    }\n    }\n//
private fun
Array<MutableEntry<K, V>>.findEntryInChain(key: K): MutableEntry<K, V>? =\n    firstOrNull { entry ->
equality.equals(entry.key, key) }\n//
override fun iterator(): MutableIterator<MutableEntry<K, V>> {\n//
return object : MutableIterator<MutableEntry<K, V>> {\n    var state = -1 // -1 not ready, 0 - ready, 1 -
done\n    val keys: Array<String> = js("Object").keys(backingMap)\n    var keyIndex = -1\n//
var chainOrEntry: dynamic = null\n    var isChain = false\n    var itemIndex = -1\n    var lastEntry:
MutableEntry<K, V>? = null\n//
private fun computeNext(): Int {\n    if (chainOrEntry != null &&
isChain) {\n        val chainSize: Int = chainOrEntry.unsafeCast<Array<MutableEntry<K, V>>>().size\n
if (++itemIndex < chainSize)\n            return 0\n        }\n        if (++keyIndex < keys.size)
{\n            chainOrEntry = backingMap[keys[keyIndex]]\n            isChain = chainOrEntry is Array<*>\n
itemIndex = 0\n            return 0\n        } else {\n            chainOrEntry = null\n
return 1\n        }\n    }\n//
override fun hasNext(): Boolean {\n    if (state == -1)\nstate = computeNext()\n    return state == 0\n    }\n//
override fun next(): MutableEntry<K, V>
{\n    if (!hasNext()) throw NoSuchElementException()\n    val lastEntry = if (isChain) {\n
chainOrEntry.unsafeCast<Array<MutableEntry<K, V>>>()[itemIndex]\n    } else {\n
chainOrEntry.unsafeCast<MutableEntry<K, V>>()\n    }\n    this.lastEntry = lastEntry\n
state = -1\n    return lastEntry\n    }\n//
override fun remove() {\n
checkNotNull(lastEntry)\n    this@InternalHashMap.remove(lastEntry!!.key)\n    lastEntry =
null\n    // the chain being iterated just got modified by InternalHashMap.remove\n    itemIndex--
}\n    }\n    }\n//
private fun getChainOrEntryOrNull(hashCode: Int): dynamic {\n    val
chainOrEntry = backingMap[hashCode]\n    return if (chainOrEntry === undefined) null else chainOrEntry\n
}\n}\n}\n}\n//
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this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\npackage kotlin.collections\n/**\n * The common interface of [InternalStringMap] and
[InternalHashMap].\n * \ninternal interface InternalMap<K, V> :
MutableIterable<MutableMap.MutableEntry<K, V>> {\n    val equality: EqualityComparator\n    val size: Int\n
operator fun contains(key: K): Boolean\n    operator fun get(key: K): V?\n    fun put(key: K, value: V): V?\n
fun remove(key: K): V?\n    fun clear(): Unit\n//
fun createJsMap(): dynamic {\n    val result =
js("Object.create(null)")\n    // force to switch object representation to dictionary mode\n    result["foo"] =
1\n    jsDeleteProperty(result, "foo")\n    return result\n    }\n}\n}\n}\n//
* Copyright 2010-2018 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n */\n\n * Based on GWT InternalStringMap\n *
Copyright 2008 Google Inc.\n */\npackage kotlin.collections\n\nimport kotlin.collections.MutableMap.MutableEntry\n/**\n
* A simple wrapper around JavaScript Map for key type is string.\n * \n * Though this map is instantiated only with
K=String, the K type is not fixed to String statically,\n * because we want to have it erased to Any? in order not
to generate type-safe override bridges for\n * [get], [contains], [remove] etc, if they ever are generated.\n */\n\ninternal
class InternalStringMap<K, V>(override val equality: EqualityComparator) : InternalMap<K, V> {\n    private var
backingMap: dynamic = createJsMap()\n    override var size: Int = 0\n    private set\n//
/**\n // * A mod
count to track 'value' replacements in map to ensure that the 'value' that we have in the\n// * iterator entry is
guaranteed to be still correct.\n// * This is to optimize for the common scenario where the values are not modified

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checkStructuralChange(map, this)\n\n      last!!.remove()\n      map.remove(last!!.key)\n//
recordLastKnownStructure(map, this)\n      last = null\n      }\n      }\n\n      override fun add(element:
MutableEntry<K, V>): Boolean = throw UnsupportedOperationException("Add is not supported on entries")\n
override fun clear() {\n      this@LinkedHashMap.clear()\n      }\n\n      override operator fun
contains(element: MutableEntry<K, V>): Boolean = containsEntry(element)\n\n      override operator fun iterator():
MutableIterator<MutableEntry<K, V>> = EntryIterator()\n\n      override fun remove(element: MutableEntry<K,
V>): Boolean {\n      if (contains(element)) {\n      this@LinkedHashMap.remove(element.key)\n
return true\n      }\n      return false\n      }\n\n      override val size: Int get() = this@LinkedHashMap.size\n
}\n\n\n      /*\n      * The head of the insert order chain, which is a doubly-linked circular\n      * list.\n      * The most
recently inserted node is at the end of the chain, ie.\n      * chain.prev.\n      */\n      private var head: ChainEntry<K, V>?
= null\n\n      /**\n      * Add this node to the end of the chain.\n      */\n      private fun ChainEntry<K, V>.addToEnd()
{\n      // This entry is not in the list.\n      check(next == null && prev == null)\n\n      val _head = head\n      if
(_head == null) {\n      head = this\n      next = this\n      prev = this\n      } else {\n      // Chain is
valid.\n      val _tail = checkNotNull(_head.prev)\n      // Update me.\n      prev = _tail\n      next =
_head\n      // Update my new siblings: current head and old tail\n      _head.prev = this\n      _tail.next =
this\n      }\n      }\n\n      /**\n      * Remove this node from the chain it is a part of.\n      */\n      private fun
ChainEntry<K, V>.remove() {\n      if (this.next === this) {\n      // if this is single element, remove head\n
head = null\n      } else {\n      if (head === this) {\n      // if this is first element, move head to next\n
head = next\n      }\n      next!!.prev = prev\n      prev!!.next = next\n      }\n      next = null\n
prev = null\n      }\n\n      /*\n      * The hashmap that keeps track of our entries and the chain. Note that we\n      *
duplicate the key here to eliminate changes to HashMap and minimize the\n      * code here, at the expense of
additional space.\n      */\n      private val map: HashMap<K, ChainEntry<K, V>>\n\n      /**\n      * Constructs an empty
[LinkedHashMap] instance.\n      */\n      actual constructor(): super() {\n      map = HashMap<K, ChainEntry<K,
V>>()\n      }\n\n      internal constructor(backingMap: HashMap<K, Any>) : super() {\n
@Suppress("UNCHECKED_CAST") // expected to work due to erasure\n      map = backingMap as
HashMap<K, ChainEntry<K, V>>\n      }\n\n      /**\n      * Constructs an empty [LinkedHashMap] instance.\n      */\n
* @param initialCapacity the initial capacity (ignored)\n      * @param loadFactor the load factor (ignored)\n
*\n      * @throws IllegalArgumentException if the initial capacity or load factor are negative\n      */\n
@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n      actual constructor(initialCapacity:
Int, loadFactor: Float = 0.0f) : super(initialCapacity, loadFactor) {\n      map = HashMap<K, ChainEntry<K,
V>>()\n      }\n\n      actual constructor(initialCapacity: Int) : this(initialCapacity, 0.0f)\n\n      /**\n      * Constructs an
instance of [LinkedHashMap] filled with the contents of the specified [original] map.\n      */\n      actual
constructor(original: Map<out K, V>) {\n      map = HashMap<K, ChainEntry<K, V>>()\n
this.putAll(original)\n      }\n\n      actual override fun clear() {\n      map.clear()\n      head = null\n      }\n\n\n
//\n      override fun clone(): Any {\n      return LinkedHashMap(this)\n      }\n\n\n      actual override fun containsKey(key:
K): Boolean = map.containsKey(key)\n\n      actual override fun containsValue(value: V): Boolean {\n      var node:
ChainEntry<K, V> = head ?: return false\n      do {\n      if (node.value == value) {\n      return true\n
}\n      node = node.next!!\n      } while (node != head)\n      return false\n      }\n\n\n      override fun
createEntrySet(): MutableSet<MutableMap.MutableEntry<K, V>> = EntrySet()\n\n      actual override operator fun
get(key: K): V? = map.get(key)?.value\n\n      actual override fun put(key: K, value: V): V? {\n      val old =
map.get(key)\n      if (old == null) {\n      val newEntry = ChainEntry(key, value)\n      map.put(key,
newEntry)\n      newEntry.addToEnd()\n      return null\n      } else {\n      return old.setValue(value)\n
}\n      }\n\n      actual override fun remove(key: K): V? {\n      val entry = map.remove(key)\n      if (entry != null)
{\n      entry.remove()\n      return entry.value\n      }\n      return null\n      }\n\n      actual override val size:
Int get() = map.size\n
}\n\n\n      /**\n      * Constructs the specialized implementation of [LinkedHashMap] with [String]
keys, which stores the keys as properties of\n      * JS object without hashing them.\n      */\n      public fun <V>
linkedStringMapOf(vararg pairs: Pair<String, V>): LinkedHashMap<String, V> {\n      return
LinkedHashMap<String, V>(stringMapOf<Any>()).apply { putAll(pairs) }\n      }, "\n      */\n      * Copyright 2010-2018

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JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n * Based on GWT LinkedHashMap\n
* Copyright 2008 Google Inc.\n */\n\npackage kotlin.collections\n\n/**\n * The implementation of the [MutableSet]
interface, backed by a [LinkedHashMap] instance.\n *\n * This implementation preserves the insertion order of
elements during the iteration.\n */\n\npublic actual open class LinkedHashMap<E> : HashSet<E>, MutableSet<E>
{\n\n    internal constructor(map: LinkedHashMap<E, Any>) : super(map)\n\n    /**\n     * Constructs a new empty
[LinkedHashSet].\n     */\n\n    actual constructor() : super(LinkedHashMap<E, Any>())\n\n    /**\n     * Constructs a
new [LinkedHashSet] filled with the elements of the specified collection.\n     */\n\n    actual constructor(elements:
Collection<E>) : super(LinkedHashMap<E, Any>()) {\n        addAll(elements)\n    }\n\n    /**\n     * Constructs a
new empty [LinkedHashSet].\n     */\n\n    @param initialCapacity the initial capacity (ignored)\n     * @param
loadFactor the load factor (ignored)\n     * @throws IllegalArgumentException if the initial capacity or
load factor are negative\n     */\n\n    @Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n\n    actual constructor(initialCapacity: Int, loadFactor: Float = 0.0f) : super(LinkedHashMap<E, Any>(initialCapacity,
loadFactor))\n\n    actual constructor(initialCapacity: Int) : this(initialCapacity, 0.0f)\n\n    // public override fun
clone(): Any {\n    //     return LinkedHashMap(this)\n    // }\n\n}\n\n/**\n * Creates a new instance of the specialized
implementation of [LinkedHashSet] with the specified [String] elements,\n * which elements the keys as properties
of JS object without hashing them.\n */\n\npublic fun linkedStringSetOf(vararg elements: String):
LinkedHashSet<String> {\n    return LinkedHashMap(linkedStringMapOf<Any>()).apply { addAll(elements)
}\n}\n\n", /*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\npackage kotlin\n\nimport kotlin.contracts.*\n\n\n@Deprecated("Do not use Synchronized annotation in pure
Kotlin/JS code", level = DeprecationLevel.ERROR)\n\npublic typealias Synchronized =
kotlin.jvm.Synchronized\n\n\n@Deprecated("Do not use Volatile annotation in pure Kotlin/JS code", level =
DeprecationLevel.ERROR)\n\npublic typealias Volatile = kotlin.jvm.Volatile\n\n\n@kotlin.internal.InlineOnly\n\npublic
actual inline fun <R> synchronized(lock: Any, block: () -> R): R {\n    contract {\n        callsInPlace(block,
InvocationKind.EXACTLY_ONCE)\n    }\n    return block()\n}\n\n", /*\n * Copyright 2010-2018 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.io\n\ninternal abstract class BaseOutput {\n
open fun println() {\n    print("\n")\n }\n\n open fun println(message: Any?) {\n    print(message)\n
println()\n }\n\n abstract fun print(message: Any?)\n\n open fun flush() {\n}\n}\n\n/** JsName used to make the
declaration available outside of module to test it */\n\n@JsName("NodeJsOutput")\n\ninternal class NodeJsOutput(val
outputStream: dynamic) : BaseOutput() {\n    override fun print(message: Any?) {\n        // TODO: Using local
variable because of bug in block decomposition lowering in IR backend\n        val messageString =
String(message)\n        outputStream.write(messageString)\n    }\n}\n\n/** JsName used to make the declaration
available outside of module to test it */\n\n@JsName("OutputToConsoleLog")\n\ninternal class OutputToConsoleLog
: BaseOutput() {\n    override fun print(message: Any?) {\n        console.log(message)\n }\n\n override fun
println(message: Any?) {\n        console.log(message)\n }\n\n override fun println() {\n        console.log("\n")\n
}\n}\n\n/** JsName used to make the declaration available outside of module to test it and use at try.kotl.in
*/\n\n@JsName("BufferedOutput")\n\ninternal open class BufferedOutput : BaseOutput() {\n    var buffer = ""\n\n
override fun print(message: Any?) {\n        buffer += String(message)\n }\n\n override fun flush() {\n        buffer
= ""\n }\n}\n\n/** JsName used to make the declaration available outside of module to test it
*/\n\n@JsName("BufferedOutputToConsoleLog")\n\ninternal class BufferedOutputToConsoleLog : BufferedOutput()
{\n    override fun print(message: Any?) {\n        var s = String(message)\n        val i = s.lastIndexOf('\n')\n        if (i
>= 0) {\n            buffer += s.substring(0, i)\n            flush()\n            s = s.substring(i + 1)\n        }\n        buffer +=
s\n }\n\n override fun flush() {\n        console.log(buffer)\n        buffer = ""\n }\n}\n\n/** JsName used to
make the declaration available outside of module to test it and use at try.kotl.in */\n\n@JsName("output")\n\ninternal
var output = run {\n    val isNode: Boolean = js("typeof process !== 'undefined' && process.versions &&
!!process.versions.node")\n    if (isNode) NodeJsOutput(js("process.stdout")) else

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BufferedOutputToConsoleLog()\n\n@kotlin.internal.InlineOnly\nprivate inline fun String(value: Any?): String =
js("String")(value)\n\n/** Prints the line separator to the standard output stream. */\npublic actual fun println() {\n
output.println()\n}\n\n/** Prints the given [message] and the line separator to the standard output stream. */\npublic
actual fun println(message: Any?) {\n    output.println(message)\n}\n\n/** Prints the given [message] to the standard
output stream. */\npublic actual fun print(message: Any?) {\n    output.print(message)\n}\n\n", "/*\n * Copyright 2010-
2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.coroutines\n\nimport
kotlin.coroutines.intrinsics.CoroutineSingletons.*\nimport
kotlin.coroutines.intrinsics.COROUTINE_SUSPENDED\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal
actual class SafeContinuation<in T>\ninternal actual constructor(\n    private val delegate: Continuation<T>,\n
initialResult: Any?\n) : Continuation<T> {\n    @PublishedApi\n    internal actual constructor(delegate:
Continuation<T>) : this(delegate, UNDECIDED)\n\n    public actual override val context: CoroutineContext\n
get() = delegate.context\n\n    private var result: Any? = initialResult\n\n    public actual override fun
resumeWith(result: Result<T>) {\n        val cur = this.result\n        when {\n            cur === UNDECIDED -> {\n
                this.result = result.value\n            }\n            cur === COROUTINE_SUSPENDED -> {\n                this.result =
RESUMED\n                delegate.resumeWith(result)\n            }\n            else -> throw
IllegalStateException("Already resumed")\n        }\n    }\n\n    @PublishedApi\n    internal actual fun
getOrThrow(): Any? {\n        if (result === UNDECIDED) {\n            result = COROUTINE_SUSPENDED\n
return COROUTINE_SUSPENDED\n        }\n        val result = this.result\n        return when {\n            result ===
RESUMED -> COROUTINE_SUSPENDED // already called continuation, indicate COROUTINE_SUSPENDED
upstream\n            result is Result.Failure -> throw result.exception\n            else -> result // either
COROUTINE_SUSPENDED or data\n        }\n    }\n}\n\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\npackage kotlin.coroutines.js.internal\n\nimport
kotlin.coroutines.Continuation\nimport
kotlin.coroutines.EmptyCoroutineContext\n\n@PublishedApi\n@SinceKotlin("1.3")\ninternal val
EmptyContinuation = Continuation<Any?>(EmptyCoroutineContext) { result ->\n    result.getOrThrow()\n}\n\n", "/*\n
 * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code
is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage
kotlin.js\n\n/**\n * Exposes the [Date API](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Date) to Kotlin.\n
 */\n\n@Suppress("NOT_DOCUMENTED")\npublic external class Date() {\n    public constructor(milliseconds:
Number)\n\n    public constructor(dateString: String)\n\n    public constructor(year: Int, month: Int)\n\n    public
constructor(year: Int, month: Int, day: Int)\n\n    public constructor(year: Int, month: Int, day: Int, hour: Int)\n\n
public constructor(year: Int, month: Int, day: Int, hour: Int, minute: Int)\n\n    public constructor(year: Int, month:
Int, day: Int, hour: Int, minute: Int, second: Int)\n\n    public constructor(year: Int, month: Int, day: Int, hour: Int,
minute: Int, second: Int, millisecond: Number)\n\n    public fun getDate(): Int\n\n    public fun getDay(): Int\n\n
public fun getFullYear(): Int\n\n    public fun getHours(): Int\n\n    public fun getMilliseconds(): Int\n\n    public fun
getMinutes(): Int\n\n    public fun getMonth(): Int\n\n    public fun getSeconds(): Int\n\n    public fun getTime():
Double\n\n    public fun getTimezoneOffset(): Int\n\n    public fun getUTCDate(): Int\n\n    public fun
getUTCDay(): Int\n\n    public fun getUTCFullYear(): Int\n\n    public fun getUTCHours(): Int\n\n    public fun
getUTCMilliseconds(): Int\n\n    public fun getUTCMinutes(): Int\n\n    public fun getUTCMonth(): Int\n\n    public
fun getUTCSeconds(): Int\n\n    public fun toDateString(): String\n\n    public fun toISOString(): String\n\n    public
fun toJSON(): Json\n\n    public fun toLocaleDateString(locales: Array<String> = definedExternally, options:
LocaleOptions = definedExternally): String\n\n    public fun toLocaleDateString(locales: String, options:
LocaleOptions = definedExternally): String\n\n    public fun toLocaleString(locales: Array<String> =
definedExternally, options: LocaleOptions = definedExternally): String\n\n    public fun toLocaleString(locales:
String, options: LocaleOptions = definedExternally): String\n\n    public fun toLocaleTimeString(locales:

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Array<String> = definedExternally, options: LocaleOptions = definedExternally): String\n\n public fun
toLocaleTimeString(locales: String, options: LocaleOptions = definedExternally): String\n\n public fun
toLocaleTimeString(): String\n\n public fun toUTCString(): String\n\n public companion object {\n public fun
now(): Double\n\n public fun parse(dateString: String): Double\n\n public fun UTC(year: Int, month: Int):
Double\n\n public fun UTC(year: Int, month: Int, day: Int): Double\n\n public fun UTC(year: Int, month:
Int, day: Int, hour: Int): Double\n\n public fun UTC(year: Int, month: Int, day: Int, hour: Int, minute: Int):
Double\n\n public fun UTC(year: Int, month: Int, day: Int, hour: Int, minute: Int, second: Int): Double\n\n
public fun UTC(year: Int, month: Int, day: Int, hour: Int, minute: Int, second: Int, millisecond: Number): Double\n
}\n\n public interface LocaleOptions {\n public var localeMatcher: String?\n\n public var timeZone:
String?\n\n public var hour12: Boolean?\n\n public var formatMatcher: String?\n\n public var weekday:
String?\n\n public var era: String?\n\n public var year: String?\n\n public var month: String?\n\n
public var day: String?\n\n public var hour: String?\n\n public var minute: String?\n\n public var
second: String?\n\n public var timeZoneName: String?\n }\n}\n\npublic inline fun dateLocaleOptions(init:
Date.LocaleOptions.() -> Unit): Date.LocaleOptions {\n val result = js("\nnew
Object()\n).unsafeCast<Date.LocaleOptions>()\n init(result)\n return result\n"}\n\n * Copyright 2010-2018
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\npackage kotlin.dom\n\nimport
org.w3c.dom.*\n\n/**\n * Creates a new element with the specified [name].\n * The element is initialized with
the specified [init] function.\n *\n\npublic fun Document.createElement(name: String, init: Element.() -> Unit):
Element = createElement(name).apply(init)\n\n/**\n * Appends a newly created element with the specified [name]
to this element.\n * The element is initialized with the specified [init] function.\n *\n\npublic fun
Element.appendChild(name: String, init: Element.() -> Unit): Element =\n
ownerDocument!!.createElement(name, init).also { appendChild(it) }\n\n"}\n\n * Copyright 2010-2018 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n *\n\npackage kotlin.dom\n\nimport
org.w3c.dom.*\n\n/**\n * Returns true if the element has the given CSS class style in its 'class' attribute *\n\nfun
Element.hasClass(cssClass: String): Boolean =
className.matches("\\\\\\"(\\^|.*\\s+)$cssClass(\\|\\s+.*)"\\.toRegex())\n\n/**\n * Adds CSS class to element. Has no
effect if all specified classes are already in class attribute of the element\n * @return true if at least one class has
been added\n *\n\nfun Element.addClass(vararg cssClasses: String): Boolean {\n val missingClasses =
cssClasses.filterNot { hasClass(it) }\n if (missingClasses.isNotEmpty()) {\n val presentClasses =
className.trim()\n className = buildString {\n append(presentClasses)\n if
(!presentClasses.isEmpty()) {\n append(" ") }\n missingClasses.joinTo(this, " ") }\n
return true\n }\n return false\n}\n\n/**\n * Removes all [cssClasses] from element. Has no effect if all
specified classes are missing in class attribute of the element\n * @return true if at least one class has been
removed\n *\n\nfun Element.removeClass(vararg cssClasses: String): Boolean {\n if (cssClasses.any { hasClass(it)
}) {\n val toBeRemoved = cssClasses.toSet()\n className =
className.trim().split("\\\\\\"s+|"\\.toRegex()).filter { it !in toBeRemoved }.joinToString(" ") }\n
return true\n }\n return false\n}\n\n"}\n\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("\\StringsKt")\n\npackage
kotlin.text\n\n/**\n * Converts the string into a regular expression [Regex] with the default options.\n
*\n\n@kotlin.internal.InlineOnly\n\npublic inline fun String.toRegex(): Regex = Regex(this)\n\n/**\n * Converts the
string into a regular expression [Regex] with the specified single [option].\n *\n\n@kotlin.internal.InlineOnly\n\npublic
inline fun String.toRegex(option: RegexOption): Regex = Regex(this, option)\n\n/**\n * Converts the string into a
regular expression [Regex] with the specified set of [options].\n *\n\n@kotlin.internal.InlineOnly\n\npublic inline fun
String.toRegex(options: Set<RegexOption>): Regex = Regex(this, options)\n"}\n\n * Copyright 2010-2018

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Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n\n@file:kotlin.jvm.JvmName("\\StringsKt\\")\n\npackage
kotlin.text\n\n/**\n * Builds new string by populating newly created [StringBuilder] using provided
[builderAction]\n * and then converting it to [String].\n *\n\n@kotlin.internal.InlineOnly\n\npublic inline fun
buildString(builderAction: StringBuilder.() -> Unit): String =\n
StringBuilder().apply(builderAction).toString()\n\n/**\n * Builds new string by populating newly created
[StringBuilder] initialized with the given [capacity]\n * using provided [builderAction] and then converting it to
[String].\n *\n\n@SinceKotlin("1.1")\n\n@kotlin.internal.InlineOnly\n\npublic inline fun buildString(capacity: Int,
builderAction: StringBuilder.() -> Unit): String =\n
StringBuilder(capacity).apply(builderAction).toString()\n\n/**\n * Appends all arguments to the given
[Appendable].\n *\n\npublic fun <T : Appendable> T.append(vararg value: CharSequence?): T {\n
for (item in
value)\n
append(item)\n
return this\n}\n\n/**\n * Appends all arguments to the given StringBuilder.\n
*\n\npublic fun StringBuilder.append(vararg value: String?): StringBuilder {\n
for (item in value)\n
append(item)\n
return this\n}\n\n/**\n * Appends all arguments to the given StringBuilder.\n *\n\npublic fun
StringBuilder.append(vararg value: Any?): StringBuilder {\n
for (item in value)\n
append(item)\n
return this\n}\n\n\ninternal fun <T> Appendable.appendElement(element: T, transform: ((T) -> CharSequence?)) {\n
when {\n
transform != null -> append(transform(element))\n
element is CharSequence? ->
append(element)\n
element is Char -> append(element)\n
else -> append(element.toString())\n
}\n}\n\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n\npackage kotlin.dom\n\nimport org.w3c.dom.*\n\n/**\n * Gets a value indicating whether this node is a
TEXT_NODE or a CDATA_SECTION_NODE.\n *\n\npublic val Node.isText: Boolean\n
get() = nodeType ==
Node.TEXT_NODE || nodeType == Node.CDATA_SECTION_NODE\n\n/**\n * Gets a value indicating whether
this node is an [Element].\n *\n\npublic val Node.isElement: Boolean\n
get() = nodeType ==
Node.ELEMENT_NODE\n\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *\n\npackage org.w3c.dom.events\n\npublic fun EventListener(handler: (Event) ->
Unit): EventListener = EventListenerHandler(handler)\n\nprivate class EventListenerHandler(private val handler:
(Event) -> Unit) : EventListener {\n
public override fun handleEvent(event: Event) {\n
handler(event)\n
}\n\n
public override fun toString(): String = "EventListenerHandler($handler)"\n}\n\n", "/*\n * Copyright 2010-
2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\npackage org.w3c.dom\n\npublic
external interface ItemArrayLike<out T> {\n
val length: Int\n
fun item(index: Int): T?\n}\n\n/**\n * Returns the
view of this `ItemArrayLike<T>` collection as `List<T>`\n *\n\npublic fun <T> ItemArrayLike<T>.asList(): List<T>
= object : AbstractList<T>() {\n
override val size: Int get() = this@asList.length\n\n
override fun get(index: Int):
T = when (index) {\n
in 0..lastIndex -> this@asList.item(index).unsafeCast<T>()\n
else -> throw
IndexOutOfBoundsException("index $index is not in range [0..$lastIndex]")\n
}\n}\n\n", "/*\n * Copyright 2010-
2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\npackage kotlin.dom\n\nimport
org.w3c.dom.*\n\n/**\n * Removes all the children from this node. *\n\npublic fun Node.clear() {\n
while
(hasChildNodes()) {\n
removeChild(firstChild!)\n
}\n}\n\n/**\n * Creates text node and append it to the
element.\n *\n\n * @return this element\n *\n\nfun Element.appendText(text: String): Element {\n
appendChild(ownerDocument!!.createTextNode(text))\n
return this\n}\n\n", "/*\n * Copyright 2010-2018 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n *\n\npackage kotlin.js\n\n/**\n * Reinterprets this value
as a value of the [dynamic type](/docs/reference/dynamic-type.html).\n *\n\n@kotlin.internal.InlineOnly\n\npublic
inline fun Any?.asDynamic(): dynamic = this\n\n/**\n * Reinterprets this value as a value of the specified type [T]

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without any actual type checking.\n */\n@kotlin.internal.InlineOnly\npublic inline fun <T> Any?.unsafeCast():
@kotlin.internal.NoInfer T = this.asDynamic()\n\n/**\n * Reinterprets this `dynamic` value as a value of the
specified type [T] without any actual type checking.\n
*/\n@kotlin.internal.DynamicExtension\n@JsName("unsafeCastDynamic")\n@kotlin.internal.InlineOnly\npublic
inline fun <T> dynamic.unsafeCast(): @kotlin.internal.NoInfer T = this\n\n/**\n * Allows to iterate this `dynamic`
object in the following cases:\n * - when it has an `iterator` function,\n * - when it is an array\n * - when it is an
instance of [kotlin.collections.Iterable]\n */\n@kotlin.internal.DynamicExtension\npublic operator fun
dynamic.iterator(): Iterator<dynamic> {\n    val r: Any? = this\n\n    return when {\n        this["iterator"] != null -
->\n            this["iterator"]()\n        isArrayish(r) ->\n            r.unsafeCast<Array<*>>().iterator()\n        else ->\n            (r as Iterable<*>).iterator()\n    }\n}\n\n",/>\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\n// a package is omitted to get declarations directly under the
module\n\n@JsName("throwNPE")\ninternal fun throwNPE(message: String) {\n    throw
NullPointerException(message)\n}\n\n@JsName("throwCCE")\ninternal fun throwCCE() {\n    throw
ClassCastException("Illegal cast")\n}\n\n@JsName("throwISE")\ninternal fun throwISE(message: String) {\n
throw IllegalStateException(message)\n}\n\n@JsName("throwUPAE")\ninternal fun throwUPAE(propertyName:
String) {\n    throw UninitializedPropertyAccessException("lateinit property ${propertyName} has not been
initialized")\n}\n\n",/>\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n
* Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\npackage kotlin\n\n// NOTE: Do not author your exceptions as they are written in this file, instead use this
template:\n\n/**\npublic open class MyException : Exception {\n    constructor() : super()\n    constructor(message:
String?) : super(message)\n    constructor(message: String?, cause: Throwable?) : super(message, cause)\n
    constructor(cause: Throwable?) : super(cause)\n}\n\n*/\n\n// TODO: remove workarounds for KT-22053 from
direct Throwable inheritors\n// TODO: remove primary constructors, make all secondary KT-
22055\n\n@Suppress("USELESS_ELVIS_RIGHT_IS_NULL")\npublic actual open class Error actual
constructor(message: String?, cause: Throwable?) : Throwable(message, cause ?: null) {\n    actual constructor() :
this(null, null) {\n        Error::class.js.asDynamic().call(this, null, null)\n    }\n\n    actual constructor(message:
String?) : this(message, null) {\n        Error::class.js.asDynamic().call(this, message, null)\n    }\n\n    actual
constructor(cause: Throwable?) : this(cause, null) {\n        Error::class.js.asDynamic().call(this, null, cause)\n    }\n}\n\n@Suppress("USELESS_ELVIS_RIGHT_IS_NULL")\npublic actual open class Exception
actual constructor(message: String?, cause: Throwable?) : Throwable(message, cause ?: null) {\n    actual
constructor() : this(null, null) {\n        Exception::class.js.asDynamic().call(this, null, null)\n    }\n\n    actual
constructor(message: String?) : this(message, null) {\n        Exception::class.js.asDynamic().call(this, message,
null)\n    }\n\n    actual constructor(cause: Throwable?) : this(cause, null) {\n        Exception::class.js.asDynamic().call(this, null, cause)\n    }\n}\n\npublic actual open class RuntimeException
actual constructor(message: String?, cause: Throwable?) : Exception(message, cause) {\n    actual constructor() :
this(null, null)\n    actual constructor(message: String?) : this(message, null)\n    actual constructor(cause:
Throwable?) : this(cause, null)\n}\n\npublic actual open class IllegalArgumentException actual
constructor(message: String?, cause: Throwable?) : RuntimeException(message, cause) {\n    actual constructor() :
this(null, null)\n    actual constructor(message: String?) : this(message, null)\n    actual constructor(cause:
Throwable?) : this(cause, null)\n}\n\npublic actual open class IllegalStateException actual
constructor(message: String?, cause: Throwable?) : RuntimeException(message, cause) {\n    actual constructor() :
this(null, null)\n    actual constructor(message: String?) : this(message, null)\n    actual constructor(cause:
Throwable?) : this(cause, null)\n}\n\npublic actual open class IndexOutOfBoundsException actual
constructor(message: String?) : RuntimeException(message) {\n    actual constructor() : this(null, null)\n}\n\npublic
actual open class ConcurrentModificationException actual constructor(message: String?, cause: Throwable?) :
RuntimeException(message, cause) {\n    actual constructor() : this(null, null)\n    actual constructor(message:
String?) : this(message, null)\n    actual constructor(cause: Throwable?) : this(cause, null)\n}\n\npublic actual

```

```

open class UnsupportedOperationException actual constructor(message: String?, cause: Throwable?) :
RuntimeException(message, cause) {\n  actual constructor() : this(null, null)\n  actual constructor(message:
String?) : this(message, null)\n  actual constructor(cause: Throwable?) : this(undefiend, cause)\n}\n\npublic
actual open class NumberFormatException actual constructor(message: String?) :
IllegalArgumentException(message) {\n  actual constructor() : this(null)\n}\n\npublic actual open class
NullPointerException actual constructor(message: String?) : RuntimeException(message) {\n  actual constructor() :
this(null)\n}\n\npublic actual open class ClassCastException actual constructor(message: String?) :
RuntimeException(message) {\n  actual constructor() : this(null)\n}\n\npublic actual open class AssertionError
private constructor(message: String?, cause: Throwable?) : Error(message, cause) {\n  actual constructor() :
this(null)\n  constructor(message: String?) : this(message, null)\n  actual constructor(message: Any?) :
this(message.toString(), message as? Throwable)\n}\n\npublic actual open class NoSuchElementException actual
constructor(message: String?) : RuntimeException(message) {\n  actual constructor() :
this(null)\n}\n\n@SinceKotlin("1.3")\npublic actual open class ArithmeticException actual constructor(message:
String?) : RuntimeException(message) {\n  actual constructor() : this(null)\n}\n\npublic actual open class
NoWhenBranchMatchedException actual constructor(message: String?, cause: Throwable?) :
RuntimeException(message, cause) {\n  actual constructor() : this(null, null)\n  actual constructor(message:
String?) : this(message, null)\n  actual constructor(cause: Throwable?) : this(undefiend, cause)\n}\n\npublic actual
open class UninitializedPropertyAccessException actual constructor(message: String?, cause: Throwable?) :
RuntimeException(message, cause) {\n  actual constructor() : this(null, null)\n  actual constructor(message:
String?) : this(message, null)\n  actual constructor(cause: Throwable?) : this(undefiend, cause)\n}\n\n/*\n *
Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is
governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage
kotlin.collections\n\n/**\n * Groups elements from the [Grouping] source by key and counts elements in each
group.\n * @return a [Map] associating the key of each group with the count of element in the group.\n */\n\n@SinceKotlin("1.1")\npublic actual fun <T, K> Grouping<T, K>.eachCount(): Map<K, Int> =\n  fold(0) {
acc, _ -> acc + 1 }\n\n/**\n * Groups elements from the [Grouping] source by key and sums values provided by
the [valueSelector] function for elements in each group.\n * @return a [Map] associating the key of each group
with the count of element in the group.\n */\n\n@SinceKotlin("1.1")\npublic inline fun <T, K> Grouping<T,
K>.eachSumOf(valueSelector: (T) -> Int): Map<K, Int> =\n  fold(0) { acc, e -> acc + valueSelector(e)
}\n\n/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this
source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n@file:kotlin.jvm.JvmName("GroupingKt")\n@file:kotlin.jvm.JvmMultifileClass\n\npackage
kotlin.collections\n\n/**\n * Represents a source of elements with a [keyOf] function, which can be applied to each
element to get its key.\n * A [Grouping] structure serves as an intermediate step in group-and-fold operations:\n *
they group elements by their keys and then fold each group with some aggregating operation.\n * It is created
by attaching `keySelector: (T) -> K` function to a source of elements.\n * To get an instance of [Grouping] use one
of `groupingBy` extension functions:\n * - [Iterable.groupingBy]\n * - [Sequence.groupingBy]\n * -
[Array.groupingBy]\n * - [CharSequence.groupingBy]\n */\n\n/**\n * For the list of group-and-fold operations available,
see the [extension functions](#extension-functions) for `Grouping`.\n */\n\n@SinceKotlin("1.1")\npublic interface
Grouping<T, out K> {\n  /** Returns an [Iterator] over the elements of the source of this grouping. */\n  fun
sourceIterator(): Iterator<T>\n  /** Extracts the key of an [element]. */\n  fun keyOf(element: T): K\n}\n\n/**\n *
Groups elements from the [Grouping] source by key and applies [operation] to the elements of each group
sequentially,\n * passing the previously accumulated value and the current element as arguments, and stores the
results in a new map.\n * The key for each element is provided by the [Grouping.keyOf] function.\n */\n\n *
@param operation function is invoked on each element with the following parameters:\n * - `key`: the key of the
group this element belongs to;\n * - `accumulator`: the current value of the accumulator of the group, can be `null`
if it's the first `element` encountered in the group;\n * - `element`: the element from the source being aggregated;\n
* - `first`: indicates whether it's the first `element` encountered in the group.\n */\n * @return a [Map] associating

```

the key of each group with the result of aggregation of the group elements.

```

@sample
samples.collections.Grouping.aggregateByRadix
*/\n@SinceKotlin("1.1")\npublic inline fun <T, K, R>
Grouping<T, K>.aggregate(\n    operation: (key: K, accumulator: R?, element: T, first: Boolean) -> R\n): Map<K,
R> {\n    return aggregateTo(mutableMapOf<K, R>(), operation)\n}\n\n/**\n * Groups elements from the
[Grouping] source by key and applies [operation] to the elements of each group sequentially,\n * passing the
previously accumulated value and the current element as arguments,\n * and stores the results in the given
[destination] map.\n * The key for each element is provided by the [Grouping.keyOf] function.\n * @param
operation a function that is invoked on each element with the following parameters:\n * - `key`: the key of the group
this element belongs to;\n * - `accumulator`: the current value of the accumulator of the group, can be `null` if it's
the first `element` encountered in the group;\n * - `element`: the element from the source being aggregated;\n * -
`first`: indicates whether it's the first `element` encountered in the group.\n * If the [destination] map already has
a value corresponding to some key,\n * then the elements being aggregated for that key are never considered as
`first`.\n * @return the [destination] map associating the key of each group with the result of aggregation of the
group elements.\n * @sample samples.collections.Grouping.aggregateByRadixTo
*/\n@SinceKotlin("1.1")\npublic inline fun <T, K, R, M : MutableMap<in K, R>> Grouping<T,
K>.aggregateTo(\n    destination: M,\n    operation: (key: K, accumulator: R?, element: T, first: Boolean) -> R\n): M
{\n    for (e in this.sourceIterator()) {\n        val key = keyOf(e)\n        val accumulator = destination[key]\n
destination[key] = operation(key, accumulator, e, accumulator == null && !destination.containsKey(key))\n    }\n
return destination\n}\n\n/**\n * Groups elements from the [Grouping] source by key and applies [operation] to the
elements of each group sequentially,\n * passing the previously accumulated value and the current element as
arguments, and stores the results in a new map.\n * An initial value of accumulator is provided by
[initialValueSelector] function.\n * @param initialValueSelector a function that provides an initial value of
accumulator for each group.\n * It's invoked with parameters:\n * - `key`: the key of the group;\n * - `element`: the
first element being encountered in that group.\n * @param operation a function that is invoked on each element
with the following parameters:\n * - `key`: the key of the group this element belongs to;\n * - `accumulator`: the
current value of the accumulator of the group;\n * - `element`: the element from the source being accumulated.\n
*\n * @return a [Map] associating the key of each group with the result of accumulating the group elements.\n *
@sample samples.collections.Grouping.foldByEvenLengthWithComputedInitialValue
*/\n@SinceKotlin("1.1")\npublic inline fun <T, K, R> Grouping<T, K>.fold(\n    initialValueSelector: (key: K,
element: T) -> R,\n    operation: (key: K, accumulator: R, element: T) -> R\n): Map<K, R> =\n
@Suppress("UNCHECKED_CAST")\n    aggregate { key, acc, e, first -> operation(key, if (first)
initialValueSelector(key, e) else acc as R, e) }\n\n/**\n * Groups elements from the [Grouping] source by key and
applies [operation] to the elements of each group sequentially,\n * passing the previously accumulated value and the
current element as arguments,\n * and stores the results in the given [destination] map.\n * An initial value of
accumulator is provided by [initialValueSelector] function.\n * @param initialValueSelector a function that
provides an initial value of accumulator for each group.\n * It's invoked with parameters:\n * - `key`: the key of the
group;\n * - `element`: the first element being encountered in that group.\n * If the [destination] map already has
a value corresponding to some key, that value is used as an initial value of\n * the accumulator for that group and
the [initialValueSelector] function is not called for that group.\n * @param operation a function that is invoked on
each element with the following parameters:\n * - `key`: the key of the group this element belongs to;\n * -
`accumulator`: the current value of the accumulator of the group;\n * - `element`: the element from the source being
accumulated.\n * @return the [destination] map associating the key of each group with the result of
accumulating the group elements.\n * @sample
samples.collections.Grouping.foldByEvenLengthWithComputedInitialValueTo
*/\n@SinceKotlin("1.1")\npublic
inline fun <T, K, R, M : MutableMap<in K, R>> Grouping<T, K>.foldTo(\n    destination: M,\n
initialValueSelector: (key: K, element: T) -> R,\n    operation: (key: K, accumulator: R, element: T) -> R\n): M =\n
@Suppress("UNCHECKED_CAST")\n    aggregateTo(destination) { key, acc, e, first -> operation(key, if (first)
initialValueSelector(key, e) else acc as R, e) }\n\n/**\n * Groups elements from the [Grouping] source by key and

```

applies [operation] to the elements of each group sequentially, passing the previously accumulated value and the current element as arguments, and stores the results in a new map. An initial value of accumulator is the same [initialValue] for each group. @param operation a function that is invoked on each element with the following parameters: accumulator: the current value of the accumulator of the group; element: the element from the source being accumulated. @return a [Map] associating the key of each group with the result of accumulating the group elements. @sample

```

samples.collections.Grouping.foldByEvenLengthWithConstantInitialValue
@SinceKotlin("1.1")
public inline fun <T, K, R> Grouping<T, K>.fold(
    initialValue: R,
    operation: (accumulator: R, element: T) -> R):
    Map<K, R> =
    @Suppress("UNCHECKED_CAST")
    aggregate { _, acc, e, first -> operation(if (first)
    initialValue else acc as R, e) }

```

Groups elements from the [Grouping] source by key and applies [operation] to the elements of each group sequentially, passing the previously accumulated value and the current element as arguments, and stores the results in the given [destination] map. An initial value of accumulator is the same [initialValue] for each group. If the [destination] map already has a value corresponding to the key of some group, that value is used as an initial value of the accumulator for that group. @param operation a function that is invoked on each element with the following parameters: accumulator: the current value of the accumulator of the group; element: the element from the source being accumulated. @return the [destination] map associating the key of each group with the result of accumulating the group elements. @sample

```

samples.collections.Grouping.foldByEvenLengthWithConstantInitialValueTo
@SinceKotlin("1.1")
public inline fun <T, K, R, M : MutableMap<in K, R>> Grouping<T, K>.foldTo(
    destination: M,
    initialValue: R,
    operation: (accumulator: R, element: T) -> R): M =
    @Suppress("UNCHECKED_CAST")
    aggregateTo(destination) { _, acc, e, first -> operation(if (first)
    initialValue else acc as R, e) }

```

Groups elements from the [Grouping] source by key and applies the reducing [operation] to the elements of each group sequentially starting from the second element of the group, passing the previously accumulated value and the current element as arguments, and stores the results in a new map. An initial value of accumulator is the first element of the group. @param operation a function that is invoked on each subsequent element of the group with the following parameters: key: the key of the group this element belongs to; accumulator: the current value of the accumulator of the group; element: the element from the source being accumulated. @return a [Map] associating the key of each group with the result of accumulating the group elements. @sample

```

samples.collections.Grouping.reduceByMaxVowels
@SinceKotlin("1.1")
public inline fun <S, T : S, K> Grouping<T, K>.reduce(
    operation: (key: K,
    accumulator: S, element: T) -> S): Map<K, S> =
    aggregate { key, acc, e, first ->
    @Suppress("UNCHECKED_CAST")
    if (first) e else operation(key, acc as S, e) }

```

Groups elements from the [Grouping] source by key and applies the reducing [operation] to the elements of each group sequentially starting from the second element of the group, passing the previously accumulated value and the current element as arguments, and stores the results in the given [destination] map. An initial value of accumulator is the first element of the group. If the [destination] map already has a value corresponding to the key of some group, that value is used as an initial value of the accumulator for that group and the first element of that group is also subjected to the [operation]. @param operation a function that is invoked on each subsequent element of the group with the following parameters: accumulator: the current value of the accumulator of the group; element: the element from the source being folded. @return the [destination] map associating the key of each group with the result of accumulating the group elements. @sample

```

samples.collections.Grouping.reduceByMaxVowelsTo
@SinceKotlin("1.1")
public inline fun <S,
T : S, K, M : MutableMap<in K, S>> Grouping<T, K>.reduceTo(
    destination: M,
    operation: (key: K,
    accumulator: S, element: T) -> S): M =
    aggregateTo(destination) { key, acc, e, first ->
    @Suppress("UNCHECKED_CAST")
    if (first) e else operation(key, acc as S, e) }

```

Groups elements from the [Grouping] source by key and counts elements in each group to the given [destination] map. If the [destination] map already has a value corresponding to the key of some group, that value is used as an initial value of the counter for that group. @return the [destination] map associating the key of each group

```

with the count of elements in the group.\n *\n * @sample samples.collections.Grouping.groupingByEachCount\n
*\n@\n@SinceKotlin("1.1")\npublic fun <T, K, M : MutableMap<in K, Int>> Grouping<T,\n
K>.eachCountTo(destination: M): M =\n    foldTo(destination, 0) { acc, _ -> acc + 1 }\n\n/*\n *\n * Groups\n
elements from the [Grouping] source by key and sums values provided by the [valueSelector] function for elements\n
in each group\n * to the given [destination] map.\n *\n *\n * If the [destination] map already has a value\n
corresponding to the key of some group,\n * that value is used as an initial value of the sum for that group.\n *\n *\n
*\n * @return the [destination] map associating the key of each group with the sum of elements in the group.\n
*\n@\n@SinceKotlin("1.1")\npublic inline fun <T, K, M : MutableMap<in K, Int>> Grouping<T,\n
K>.eachSumOfTo(destination: M, valueSelector: (T) -> Int): M =\n    foldTo(destination, 0) { acc, e -> acc +\n
valueSelector(e)}\n\n*\n *\n *\n // TODO: sum by long and by double overloads\n\npublic inline fun <T, K, M :\n
MutableMap<in K, Long>> Grouping<T, K>.sumEachByLongTo(destination: M, valueSelector: (T) -> Long): M\n
=\n    foldTo(destination, 0L) { acc, e -> acc + valueSelector(e)}\n\npublic inline fun <T, K> Grouping<T,\n
K>.sumEachByLong(valueSelector: (T) -> Long): Map<K, Long> =\n    fold(0L) { acc, e -> acc +\n
valueSelector(e)}\n\npublic inline fun <T, K, M : MutableMap<in K, Double>> Grouping<T,\n
K>.sumEachByDoubleTo(destination: M, valueSelector: (T) -> Double): M =\n    foldTo(destination, 0.0) { acc, e\n
-> acc + valueSelector(e)}\n\npublic inline fun <T, K> Grouping<T, K>.sumEachByDouble(valueSelector: (T) ->\n
Double): Map<K, Double> =\n    fold(0.0) { acc, e -> acc + valueSelector(e)}\n\n*/\n\n * Copyright 2010-2018\n
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the\n
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\npackage kotlin.js\n\n/**\n * Exposes\n
the JavaScript [Math object](https://developer.mozilla.org/en/docs/Web/JavaScript/Reference/Global_Objects/Math)\n
to Kotlin.\n *\n@\n@Deprecated("Use top-level functions from kotlin.math package instead.", level =\n
DeprecationLevel.WARNING)\n\npublic external object Math {\n    @Deprecated("Use kotlin.math.PI instead.",\n
ReplaceWith("PI", "kotlin.math.PI"), level = DeprecationLevel.ERROR)\n    public val PI: Double\n\n    @Deprecated("Use Random.nextDouble instead", ReplaceWith("kotlin.random.Random.nextDouble()"),\n
"kotlin.random.Random"), level = DeprecationLevel.WARNING)\n    public fun random(): Double\n\n    @Deprecated("Use kotlin.math.abs instead.", ReplaceWith("abs(value)", "kotlin.math.abs"), level =\n
DeprecationLevel.ERROR)\n    public fun abs(value: Double): Double\n\n    @Deprecated("Use kotlin.math.acos\n
instead.", ReplaceWith("acos(value)", "kotlin.math.acos"), level = DeprecationLevel.ERROR)\n    public fun\n
acos(value: Double): Double\n\n    @Deprecated("Use kotlin.math.asin instead.", ReplaceWith("asin(value)",\n
"kotlin.math.asin"), level = DeprecationLevel.ERROR)\n    public fun asin(value: Double): Double\n\n    @Deprecated("Use kotlin.math.atan instead.", ReplaceWith("atan(value)", "kotlin.math.atan"), level =\n
DeprecationLevel.ERROR)\n    public fun atan(value: Double): Double\n\n    @Deprecated("Use kotlin.math.atan2\n
instead.", ReplaceWith("atan2(y, x)", "kotlin.math.atan2"), level = DeprecationLevel.ERROR)\n    public fun\n
atan2(y: Double, x: Double): Double\n\n    @Deprecated("Use kotlin.math.cos instead.",\n
ReplaceWith("cos(value)", "kotlin.math.cos"), level = DeprecationLevel.ERROR)\n    public fun cos(value:\n
Double): Double\n\n    @Deprecated("Use kotlin.math.sin instead.", ReplaceWith("sin(value)", "kotlin.math.sin"),\n
level = DeprecationLevel.ERROR)\n    public fun sin(value: Double): Double\n\n    @Deprecated("Use\n
kotlin.math.exp instead.", ReplaceWith("exp(value)", "kotlin.math.exp"), level = DeprecationLevel.ERROR)\n\n
public fun exp(value: Double): Double\n\n    @Deprecated("Use maxOf or kotlin.math.max instead", level =\n
DeprecationLevel.ERROR)\n    public fun max(vararg values: Int): Int\n\n    @Deprecated("Use maxOf or\n
kotlin.math.max instead", level = DeprecationLevel.ERROR)\n    public fun max(vararg values: Float): Float\n\n
    @Deprecated("Use maxOf or kotlin.math.max instead", level = DeprecationLevel.ERROR)\n    public fun\n
max(vararg values: Double): Double\n\n    @Deprecated("Use minOf or kotlin.math.min instead", level =\n
DeprecationLevel.ERROR)\n    public fun min(vararg values: Int): Int\n\n    @Deprecated("Use minOf or\n
kotlin.math.min instead", level = DeprecationLevel.ERROR)\n    public fun min(vararg values: Float): Float\n\n
    @Deprecated("Use minOf or kotlin.math.min instead", level = DeprecationLevel.ERROR)\n    public fun\n
min(vararg values: Double): Double\n\n    @Deprecated("Use kotlin.math.sqrt instead.",\n
ReplaceWith("sqrt(value)", "kotlin.math.sqrt"), level = DeprecationLevel.ERROR)\n    public fun sqrt(value:

```

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Double): Double\n  @Deprecated("Use kotlin.math.tan instead.", ReplaceWith("tan(value)",
"kotlin.math.tan"), level = DeprecationLevel.ERROR)\n  public fun tan(value: Double): Double\n
@Deprecated("Use kotlin.math.ln instead.", ReplaceWith("ln(value)", "kotlin.math.ln"), level =
DeprecationLevel.ERROR)\n  public fun log(value: Double): Double\n  @Deprecated("Use kotlin.math.pow
instead.", ReplaceWith("base.pow(exp)", "kotlin.math.pow"), level = DeprecationLevel.ERROR)\n  public fun
pow(base: Double, exp: Double): Double\n  @Deprecated("Use kotlin.math.round instead.",
ReplaceWith("round(value)", "kotlin.math.round"), level = DeprecationLevel.ERROR)\n  public fun
round(value: Number): Int\n  @Deprecated("Use kotlin.math.floor instead.", ReplaceWith("floor(value)",
"kotlin.math.floor"), level = DeprecationLevel.ERROR)\n  public fun floor(value: Number): Int\n
@Deprecated("Use kotlin.math.ceil instead.", ReplaceWith("ceil(value)", "kotlin.math.ceil"), level =
DeprecationLevel.ERROR)\n  public fun ceil(value: Number): Int\n\n  @PublishedApi\n  internal fun
trunc(value: Number): Double\n  @PublishedApi\n  internal fun sign(value: Number): Double\n\n
@PublishedApi\n  internal fun sinh(value: Double): Double\n  @PublishedApi\n  internal fun cosh(value:
Double): Double\n  @PublishedApi\n  internal fun tanh(value: Double): Double\n  @PublishedApi\n  internal
fun asinh(value: Double): Double\n  @PublishedApi\n  internal fun acosh(value: Double): Double\n
@PublishedApi\n  internal fun atanh(value: Double): Double\n\n  @PublishedApi\n  internal fun hypot(x:
Double, y: Double): Double\n\n  @PublishedApi\n  internal fun expm1(value: Double): Double\n\n
@PublishedApi\n  internal fun log10(value: Double): Double\n  @PublishedApi\n  internal fun log2(value:
Double): Double\n  @PublishedApi\n  internal fun log1p(value: Double): Double\n\n  @PublishedApi\n
internal fun clz32(value: Int): Int\n\n  /**\n   * Returns the smaller of two values.\n
*/\n  @Suppress("DEPRECATION")\n  @Deprecated("Use minOf or kotlin.math.min instead",
ReplaceWith("minOf(a, b)"), level = DeprecationLevel.ERROR)\n  public fun Math.min(a: Long, b: Long): Long =
if (a <= b) a else b\n\n  /**\n   * Returns the greater of two values.\n
*/\n  @Suppress("DEPRECATION")\n  @Deprecated("Use maxOf or kotlin.math.max instead",
ReplaceWith("maxOf(a, b)"), level = DeprecationLevel.ERROR)\n  public fun Math.max(a: Long, b: Long): Long =
if (a >= b) a else b\n\n  /*\n   * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n   * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n   */\n\n  /**\n   * An interface for indexing access to a collection of
key-value pairs, where type of key is [String] and type of value is [Any?][Any].\n   */\n  @public external interface Json
{\n   /**\n   * Calls to the function will be translated to indexing operation (square brackets) on the receiver with
[propertyName] as the argument.\n   * E.g. for next code:\n   * ```kotlin\n   * fun test(j: Json, p: String) =
j["prop"] + j.get(p)\n   * ```\n   * will be generated:\n   * ```js\n   * function test(j, p) {\n   *   return
j["prop"] + j[p];\n   * }\n   * ```\n   * operator fun get(propertyName: String): Any?\n   */\n   /**\n   * Calls
of the function will be translated to an assignment of [value] to the receiver indexed (with square brackets/index
operation) with [propertyName].\n   * E.g. for the following code:\n   * ```kotlin\n   * fun test(j: Json, p:
String, newValue: Any) {\n   *   j["prop"] = 1\n   *   j.set(p, newValue)\n   * }\n   * ```\n   * will be
generated:\n   * ```js\n   * function test(j, p, newValue) {\n   *   j["prop"] = 1;\n   *   j[p] = newValue;\n
   * }\n   * }\n   * ```\n   * operator fun set(propertyName: String, value: Any?): Unit\n   */\n   /**\n   * Returns a
simple JavaScript object (as [Json]) using provided key-value pairs as names and values of its properties.\n
*/\n   @public fun json(vararg pairs: Pair<String, Any?>): Json {\n   val res: dynamic = js("{}")\n   for ((name,
value) in pairs) {\n     res[name] = value\n   }\n   return res\n   }\n\n   /**\n   * Adds key-value pairs from [other] to
[this].\n   * Returns the original receiver.\n   */\n   @public fun Json.add(other: Json): Json {\n   val keys: Array<String> =
js("Object").keys(other)\n   for (key in keys) {\n     if (other.asDynamic().hasOwnProperty(key)) {\n       this[key] =
other[key];\n     }\n   }\n   return this\n   }\n\n   /**\n   * Exposes the JavaScript [JSON]
object](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON) to Kotlin.\n
*/\n   @Suppress("NOT_DOCUMENTED")\n   public external object JSON {\n   public fun stringify(o: Any?):
String\n   public fun stringify(o: Any?, replacer: ((key: String, value: Any?) -> Any?): String\n   public fun
stringify(o: Any?, replacer: ((key: String, value: Any?) -> Any?)? = definedExternally, space: Int): String\n   public

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fun stringify(o: Any?, replacer: ((key: String, value: Any?) -> Any?)? = definedExternally, space: String): String\n
public fun stringify(o: Any?, replacer: Array<String>): String\n public fun stringify(o: Any?, replacer:
Array<String>, space: Int): String\n public fun stringify(o: Any?, replacer: Array<String>, space: String):
String\n\n public fun <T> parse(text: String): T\n public fun <T> parse(text: String, reviver: ((key: String, value:
Any?) -> Any?)): T\n}\n"/\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n@file:Suppress("DEPRECATION", "DEPRECATION_ERROR")\npackage
kotlin.math\n\nimport kotlin.internal.InlineOnly\nimport kotlin.js.Math as nativeMath\n\n// region
===== Double Math =====\n\n/** Computes the
sine of the angle [x] given in radians.\n * Special cases:\n * - `sin(NaN|+Inf|-Inf)` is `NaN`\n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun sin(x: Double): Double =
nativeMath.sin(x)\n\n/** Computes the cosine of the angle [x] given in radians.\n * Special cases:\n * -
`cos(NaN|+Inf|-Inf)` is `NaN`\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun cos(x: Double):
Double = nativeMath.cos(x)\n\n/** Computes the tangent of the angle [x] given in radians.\n * Special cases:\n
* - `tan(NaN|+Inf|-Inf)` is `NaN`\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun tan(x:
Double): Double = nativeMath.tan(x)\n\n/** Computes the arc sine of the value [x];\n * the returned value is an
angle in the range from `-PI/2` to `PI/2` radians.\n * Special cases:\n * - `asin(x)` is `NaN`, when `abs(x) > 1`
or x is `NaN`\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun asin(x: Double): Double =
nativeMath.asin(x)\n\n/** Computes the arc cosine of the value [x];\n * the returned value is an angle in the
range from `0.0` to `PI` radians.\n * Special cases:\n * - `acos(x)` is `NaN`, when `abs(x) > 1` or x is `NaN`\n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun acos(x: Double): Double =
nativeMath.acos(x)\n\n/** Computes the arc tangent of the value [x];\n * the returned value is an angle in the
range from `-PI/2` to `PI/2` radians.\n * Special cases:\n * - `atan(NaN)` is `NaN`\n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun atan(x: Double): Double =
nativeMath.atan(x)\n\n/** Returns the angle `theta` of the polar coordinates `(r, theta)` that correspond\n * to the
rectangular coordinates `(x, y)` by computing the arc tangent of the value [y] / [x];\n * the returned value is an angle
in the range from `-PI` to `PI` radians.\n * Special cases:\n * - `atan2(0.0, 0.0)` is `0.0`\n * - `atan2(0.0, x)` is
`0.0` for `x > 0` and `PI` for `x < 0`\n * - `atan2(-0.0, x)` is `-0.0` for `x > 0` and `-PI` for `x < 0`\n * - `atan2(y,
+Inf)` is `0.0` for `0 < y < +Inf` and `-0.0` for `-Inf < y < 0`\n * - `atan2(y, -Inf)` is `PI` for `0 < y < +Inf` and
`-PI` for `-Inf < y < 0`\n * - `atan2(y, 0.0)` is `PI/2` for `y > 0` and `-PI/2` for `y < 0`\n * - `atan2(+Inf, x)` is
`PI/2` for finite `x`\n * - `atan2(-Inf, x)` is `-PI/2` for finite `x`\n * - `atan2(NaN, x)` and `atan2(y, NaN)` is
`NaN`\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun atan2(y: Double, x: Double): Double =
nativeMath.atan2(y, x)\n\n/** Computes the hyperbolic sine of the value [x].\n * Special cases:\n * -
`sinh(NaN)` is `NaN`\n * - `sinh(+Inf)` is `+Inf`\n * - `sinh(-Inf)` is `-Inf`\n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun sinh(x: Double): Double =
nativeMath.sinh(x)\n\n/** Computes the hyperbolic cosine of the value [x].\n * Special cases:\n * -
`cosh(NaN)` is `NaN`\n * - `cosh(+Inf|-Inf)` is `+Inf`\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual
inline fun cosh(x: Double): Double = nativeMath.cosh(x)\n\n/** Computes the hyperbolic tangent of the value
[x].\n * Special cases:\n * - `tanh(NaN)` is `NaN`\n * - `tanh(+Inf)` is `1.0`\n * - `tanh(-Inf)` is `-1.0`\n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun tanh(x: Double): Double =
nativeMath.tanh(x)\n\n/** Computes the inverse hyperbolic sine of the value [x].\n * The returned value is
`y` such that `sinh(y) == x`.\n * Special cases:\n * - `asinh(NaN)` is `NaN`\n * - `asinh(+Inf)` is `+Inf`\n * -
`asinh(-Inf)` is `-Inf`\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun asinh(x: Double): Double =
nativeMath.asinh(x)\n\n/** Computes the inverse hyperbolic cosine of the value [x].\n * The returned
value is positive `y` such that `cosh(y) == x`.\n * Special cases:\n * - `acosh(NaN)` is `NaN`\n * - `acosh(x)`
is `NaN` when `x < 1`\n * - `acosh(+Inf)` is `+Inf`\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline
fun acosh(x: Double): Double = nativeMath.acosh(x)\n\n/** Computes the inverse hyperbolic tangent of the
value [x].\n * The returned value is `y` such that `tanh(y) == x`.\n * Special cases:\n * - `tanh(NaN)` is

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`NaN` \n * - `tanh(x)` is `NaN` when `x > 1` or `x < -1` \n * - `tanh(1.0)` is `+Inf` \n * - `tanh(-1.0)` is `-Inf` \n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun atanh(x: Double): Double =
nativeMath.atanh(x)\n\n/**\n * Computes `sqrt(x^2 + y^2)` without intermediate overflow or underflow.\n * \n * Special cases:\n * - returns `+Inf` if any of arguments is infinite\n * - returns `NaN` if any of arguments is `NaN`
and the other is not infinite\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun hypot(x: Double, y:
Double): Double = nativeMath.hypot(x, y)\n\n/**\n * Computes the positive square root of the value [x].\n * \n * Special cases:\n * - `sqrt(x)` is `NaN` when `x < 0` or `x` is `NaN`\n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun sqrt(x: Double): Double =
nativeMath.sqrt(x)\n\n/**\n * Computes Euler's number `e` raised to the power of the value [x].\n * \n * Special
cases:\n * - `exp(NaN)` is `NaN`\n * - `exp(+Inf)` is `+Inf`\n * - `exp(-Inf)` is `0.0`\n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun exp(x: Double): Double =
nativeMath.exp(x)\n\n/**\n * Computes `exp(x) - 1`.\n * \n * This function can be implemented to produce more
precise result for [x] near zero.\n * \n * Special cases:\n * - `expm1(NaN)` is `NaN`\n * - `expm1(+Inf)` is `+Inf`\n
* - `expm1(-Inf)` is `-1.0`\n * @see [exp] function.\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual
inline fun expm1(x: Double): Double = nativeMath.expm1(x)\n\n/**\n * Computes the logarithm of the value [x] to
the given [base].\n * \n * Special cases:\n * - `log(x, b)` is `NaN` if either `x` or `b` are `NaN`\n * - `log(x, b)` is
`NaN` when `x < 0` or `b <= 0` or `b == 1.0`\n * - `log(+Inf, +Inf)` is `NaN`\n * - `log(+Inf, b)` is `+Inf` for `b >
1` and `-Inf` for `b < 1`\n * - `log(0.0, b)` is `-Inf` for `b > 1` and `+Inf` for `b > 1`\n * \n * See also logarithm
functions for common fixed bases: [ln], [log10] and [log2].\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual fun log(x:
Double, base: Double): Double {\n    if (base <= 0.0 || base == 1.0) return Double.NaN\n    return nativeMath.log(x)
/ nativeMath.log(base)\n}\n\n/**\n * Computes the natural logarithm (base `E`) of the value [x].\n * \n * Special
cases:\n * - `ln(NaN)` is `NaN`\n * - `ln(x)` is `NaN` when `x < 0.0`\n * - `ln(+Inf)` is `+Inf`\n * - `ln(0.0)` is
`-Inf`\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun ln(x: Double): Double =
nativeMath.log(x)\n\n/**\n * Computes the common logarithm (base 10) of the value [x].\n * \n * @see [ln] function
for special cases.\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun log10(x: Double): Double =
nativeMath.log10(x)\n\n/**\n * Computes the binary logarithm (base 2) of the value [x].\n * \n * @see [ln] function
for special cases.\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun log2(x: Double): Double =
nativeMath.log2(x)\n\n/**\n * Computes `ln(x + 1)`.\n * \n * This function can be implemented to produce more
precise result for [x] near zero.\n * \n * Special cases:\n * - `ln1p(NaN)` is `NaN`\n * - `ln1p(x)` is `NaN` where `x
< -1.0`\n * - `ln1p(-1.0)` is `-Inf`\n * - `ln1p(+Inf)` is `+Inf`\n * \n * @see [ln] function\n * @see [expm1]
function\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun ln1p(x: Double): Double =
nativeMath.log1p(x)\n\n/**\n * Rounds the given value [x] to an integer towards positive infinity.\n * \n * @return the
smallest double value that is greater than or equal to the given value [x] and is a mathematical integer.\n * \n *
Special cases:\n * - `ceil(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.\n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun ceil(x: Double): Double =
nativeMath.ceil(x).unsafeCast<Double>() // TODO: Remove unsafe cast after removing public js.math\n\n/**\n *
Rounds the given value [x] to an integer towards negative infinity.\n * \n * @return the largest double value that is
smaller than or equal to the given value [x] and is a mathematical integer.\n * \n * Special cases:\n * - `floor(x)` is
`x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.\n
*/\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline fun floor(x: Double): Double =
nativeMath.floor(x).unsafeCast<Double>()\n\n/**\n * Rounds the given value [x] to an integer towards zero.\n * \n *
@return the value [x] having its fractional part truncated.\n * \n * Special cases:\n * - `truncate(x)` is `x` where `x`
is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic
actual inline fun truncate(x: Double): Double = nativeMath.trunc(x)\n\n/**\n * Rounds the given value [x] towards
the closest integer with ties rounded towards even integer.\n * \n * Special cases:\n * - `round(x)` is `x` where `x` is
`NaN` or `+Inf` or `-Inf` or already a mathematical integer.\n */\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual fun round(x:
Double): Double {\n    if (x % 0.5 != 0.0) {\n        return nativeMath.round(x).unsafeCast<Double>()\n    }\n    val
floor = floor(x)\n    return if (floor % 2 == 0.0) floor else ceil(x)\n}\n\n/**\n * Returns the absolute value of the

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given value [x].
Special cases: `abs(NaN)` is `NaN`
@see `absoluteValue` extension property for `[Double]`
@SinceKotlin("1.2")
@InlineOnly
@public actual inline fun `abs(x: Double): Double` = `nativeMath.abs(x)`
Returns the sign of the given value [x]: `-1.0` if the value is negative, `0.0` if the value is zero, `1.0` if the value is positive
Special case: `sign(NaN)` is `NaN`
@SinceKotlin("1.2")
@InlineOnly
@public actual inline fun `sign(x: Double): Double` = `nativeMath.sign(x)`
Returns the smaller of two values.
If either value is `NaN`, then the result is `NaN`.
@SinceKotlin("1.2")
@InlineOnly
@public actual inline fun `min(a: Double, b: Double): Double` = `nativeMath.min(a, b)`
Returns the greater of two values.
If either value is `NaN`, then the result is `NaN`.
@SinceKotlin("1.2")
@InlineOnly
@public actual inline fun `max(a: Double, b: Double): Double` = `nativeMath.max(a, b)`
// extensions
Raises this value to the power [x].
Special cases: `b.pow(0.0)` is `1.0`, `b.pow(1.0)` == `b`, `b.pow(NaN)` is `NaN`, `NaN.pow(x)` is `NaN` for `x != 0.0`, `b.pow(Inf)` is `NaN` for `abs(b) == 1.0`, `b.pow(x)` is `NaN` for `b < 0` and `x` is finite and not an integer.
@SinceKotlin("1.2")
@InlineOnly
@public actual inline fun `Double.pow(x: Double): Double` = `nativeMath.pow(this, x)`
Raises this value to the integer power [n].
See the other overload of [pow] for details.
@SinceKotlin("1.2")
@InlineOnly
@public actual inline fun `Double.pow(n: Int): Double` = `nativeMath.pow(this, n.toDouble())`
Returns the absolute value of this value.
Special cases: `NaN.absoluteValue` is `NaN`
@see `abs` function
@SinceKotlin("1.2")
@InlineOnly
@public actual inline val `Double.absoluteValue: Double` get() = `nativeMath.abs(this)`
Returns the sign of this value: `-1.0` if the value is negative, `0.0` if the value is zero, `1.0` if the value is positive
Special case: `NaN.sign` is `NaN`
@SinceKotlin("1.2")
@InlineOnly
@public actual inline val `Double.sign: Double` get() = `nativeMath.sign(this)`
Returns this value with the sign bit same as of the [sign] value.
@SinceKotlin("1.2")
@InlineOnly
@public actual inline fun `Double.withSign(sign: Int): Double` = `this.withSign(sign.toDouble())`
Returns the ulp (unit in the last place) of this value.
An ulp is a positive distance between this value and the next nearest [Double] value larger in magnitude.
Special Cases: `NaN.ulp` is `NaN`, `x.ulp` is `+Inf` when `x` is `+Inf` or `-Inf`, `0.0.ulp` is `Double.MIN_VALUE`
@SinceKotlin("1.2")
@public actual val `Double.ulp: Double` get() = when {
this < 0 -> (-this).ulp
this.isNaN() || this == Double.POSITIVE_INFINITY -> this
this == Double.MAX_VALUE -> this - this.nextDown()
else -> this.nextUp() - this
}
Returns the [Double] value nearest to this value in direction of positive infinity.
@SinceKotlin("1.2")
@public actual fun `Double.nextUp(): Double` = when {
this.isNaN() || this == Double.POSITIVE_INFINITY -> this
this == 0.0 -> Double.MIN_VALUE
else -> Double.fromBits(this.toRawBits() + if (this > 0) 1 else -1)
}
Returns the [Double] value nearest to this value in direction of negative infinity.
@SinceKotlin("1.2")
@public actual fun `Double.nextDown(): Double` = when {
this.isNaN() || this == Double.NEGATIVE_INFINITY -> this
this == 0.0 -> -Double.MIN_VALUE
else -> Double.fromBits(this.toRawBits() + if (this > 0) -1 else 1)
}
Returns the [Double] value nearest to this value in direction from this value towards the value [to].
Special cases: `x.nextTowards(y)` is `NaN` if either `x` or `y` are `NaN`, `x.nextTowards(x)` == `x`
@SinceKotlin("1.2")
@public actual fun `Double.nextTowards(to: Double): Double` = when {
this.isNaN() || to.isNaN() -> Double.NaN
to == this -> to
to > this -> this.nextUp()
else /* to < this */ -> this.nextDown()
}
Returns this [Double] value to the nearest integer and converts the result to [Int].
Ties are rounded towards positive infinity.
Special cases: `x.roundToInt()` == `Int.MAX_VALUE` when `x > Int.MAX_VALUE`, `x.roundToInt()` == `Int.MIN_VALUE` when `x < Int.MIN_VALUE`
@throws `IllegalArgumentException` when this value is `NaN`
@SinceKotlin("1.2")
@public actual fun `Double.roundToInt(): Int` = when {
this.isNaN() -> throw `IllegalArgumentException("Cannot round NaN value.")`
this > Int.MAX_VALUE -> Int.MAX_VALUE
this < Int.MIN_VALUE -> Int.MIN_VALUE
else -> `nativeMath.round(this).unsafeCast<Double>().toInt()`
Returns this [Double] value to the nearest integer and converts the result to [Long].
Ties are rounded towards positive infinity.
Special cases: `x.roundToLong()` == `Long.MAX_VALUE` when `x > Long.MAX_VALUE`, `x.roundToLong()` ==

`Long.MIN_VALUE` when `x < Long.MIN_VALUE`
 is `NaN` * `@throws IllegalArgumentException` when this value is `NaN`
`@SinceKotlin("1.2")`
`public actual fun Double.roundToLong(): Long = when {`
`is NaN() ->`
`throw IllegalArgumentException("Cannot round NaN value.")`
`this > Long.MAX_VALUE ->`
`Long.MAX_VALUE`
`this < Long.MIN_VALUE -> Long.MIN_VALUE`
`else ->`
`nativeMath.round(this).unsafeCast<Double>().toLong()`
`}`
`n/n// endregion`
`n/n/n// region =====`
`Float Math =====`
`n/n/** Computes the sine of the angle [x] given`
`in radians.`
`n * Special cases: - sin(NaN|+Inf|-Inf) is NaN`
`n`
`*@SinceKotlin("1.2")`
`@InlineOnly`
`public actual inline fun sin(x: Float): Float =`
`nativeMath.sin(x.toDouble()).toFloat()`
`n/n/** Computes the cosine of the angle [x] given in radians.`
`n * Special`
`cases: - cos(NaN|+Inf|-Inf) is NaN`
`n`
`*@SinceKotlin("1.2")`
`@InlineOnly`
`public actual inline fun`
`cos(x: Float): Float = nativeMath.cos(x.toDouble()).toFloat()`
`n/n/** Computes the tangent of the angle [x] given in`
`radians.`
`n * Special cases: - tan(NaN|+Inf|-Inf) is NaN`
`n`
`*@SinceKotlin("1.2")`
`@InlineOnly`
`public actual inline fun tan(x: Float): Float =`
`nativeMath.tan(x.toDouble()).toFloat()`
`n/n/**`
`n * Computes the arc sine of the value [x];`
`n * the returned value is`
`an angle in the range from -PI/2 to PI/2 radians.`
`n * Special cases: - asin(x) is NaN, when abs(x) >`
`1 or x is NaN`
`n`
`*@SinceKotlin("1.2")`
`@InlineOnly`
`public actual inline fun asin(x: Float): Float =`
`nativeMath.asin(x.toDouble()).toFloat()`
`n/n/**`
`n * Computes the arc cosine of the value [x];`
`n * the returned value`
`is an angle in the range from 0.0 to PI radians.`
`n * Special cases: - acos(x) is NaN, when abs(x) >`
`1 or x is NaN`
`n`
`*@SinceKotlin("1.2")`
`@InlineOnly`
`public actual inline fun acos(x: Float): Float =`
`nativeMath.acos(x.toDouble()).toFloat()`
`n/n/**`
`n * Computes the arc tangent of the value [x];`
`n * the returned value`
`is an angle in the range from -PI/2 to PI/2 radians.`
`n * Special cases: - atan(NaN) is NaN`
`n`
`*@SinceKotlin("1.2")`
`@InlineOnly`
`public actual inline fun atan(x: Float): Float =`
`nativeMath.atan(x.toDouble()).toFloat()`
`n/n/**`
`n * Returns the angle `theta` of the polar coordinates `(r, theta)` that`
`correspond`
`n * to the rectangular coordinates `(x, y)` by computing the arc tangent of the value [y] / [x];`
`n * the`
`returned value is an angle in the range from -PI to PI radians.`
`n * Special cases: - atan2(0.0, 0.0) is`
`0.0`
`n * - atan2(0.0, x) is 0.0 for x > 0 and PI for x < 0`
`n * - atan2(-0.0, x) is -0.0 for x > 0 and -PI`
`for x < 0`
`n * - atan2(y, +Inf) is 0.0 for 0 < y < +Inf and -0.0 for -Inf < y < 0`
`n * - atan2(y, -Inf) is PI`
`for 0 < y < +Inf and -PI for -Inf < y < 0`
`n * - atan2(y, 0.0) is PI/2 for y > 0 and -PI/2 for y < 0`
`n * -`
`atan2(+Inf, x) is PI/2 for finite x`
`n * - atan2(-Inf, x) is -PI/2 for finite x`
`n * - atan2(NaN, x) and`
`atan2(y, NaN) is NaN`
`n`
`*@SinceKotlin("1.2")`
`@InlineOnly`
`public actual inline fun atan2(y: Float, x:`
`Float): Float = nativeMath.atan2(y.toDouble(), x.toDouble()).toFloat()`
`n/n/**`
`n * Computes the hyperbolic sine of`
`the value [x].`
`n * Special cases: - sinh(NaN) is NaN`
`n * - sinh(+Inf) is +Inf`
`n * - sinh(-Inf) is -`
`Inf`
`n`
`*@SinceKotlin("1.2")`
`@InlineOnly`
`public actual inline fun sinh(x: Float): Float =`
`nativeMath.sinh(x.toDouble()).toFloat()`
`n/n/**`
`n * Computes the hyperbolic cosine of the value [x].`
`n * Special`
`cases: - cosh(NaN) is NaN`
`n * - cosh(+Inf|-Inf) is +Inf`
`n`
`*@SinceKotlin("1.2")`
`@InlineOnly`
`public actual inline fun cosh(x: Float): Float =`
`nativeMath.cosh(x.toDouble()).toFloat()`
`n/n/**`
`n * Computes the hyperbolic tangent of the value [x].`
`n * Special`
`cases: - tanh(NaN) is NaN`
`n * - tanh(+Inf) is 1.0`
`n * - tanh(-Inf) is -1.0`
`n`
`*@SinceKotlin("1.2")`
`@InlineOnly`
`public actual inline fun tanh(x: Float): Float =`
`nativeMath.tanh(x.toDouble()).toFloat()`
`n/n/**`
`n * Computes the inverse hyperbolic sine of the value [x].`
`n * Special`
`cases: - asinh(NaN) is NaN`
`n * -`
`asinh(+Inf) is +Inf`
`n * - asinh(-Inf) is -Inf`
`n`
`*@SinceKotlin("1.2")`
`@InlineOnly`
`public actual inline`
`fun asinh(x: Float): Float = nativeMath.asinh(x.toDouble()).toFloat()`
`n/n/**`
`n * Computes the inverse hyperbolic`
`cosine of the value [x].`
`n * The returned value is positive `y` such that `cosh(y) == x`.`
`n * Special cases: -`
`acosh(NaN) is NaN`
`n * - acosh(x) is NaN when x < 1`
`n * - acosh(+Inf) is +Inf`
`n`
`*@SinceKotlin("1.2")`
`@InlineOnly`
`public actual inline fun acosh(x: Float): Float =`
`nativeMath.acosh(x.toDouble()).toFloat()`
`n/n/**`
`n * Computes the inverse hyperbolic tangent of the value [x].`
`n * The`
`returned value is `y` such that `tanh(y) == x`.`
`n * Special cases: - tanh(NaN) is NaN`
`n * -`

`tanh(x)` is `NaN` when `x > 1` or `x < -1`. `tanh(1.0)` is `+Inf`. `tanh(-1.0)` is `-Inf`.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun atanh(x: Float): Float =
    nativeMath.atanh(x.toDouble()).toFloat()
    
```

Computes $\sqrt{x^2 + y^2}$ without intermediate overflow or underflow.
 Special cases:

- returns `+Inf` if any of arguments is infinite
- returns `NaN` if any of arguments is `NaN` and the other is not infinite

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun hypot(x: Float, y: Float): Float =
    nativeMath.hypot(x.toDouble(), y.toDouble()).toFloat()
    
```

Computes the positive square root of the value `[x]`.
 Special cases:

- `sqrt(x)` is `NaN` when `x < 0` or `x` is `NaN`

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun sqrt(x: Float): Float =
    nativeMath.sqrt(x.toDouble()).toFloat()
    
```

Computes Euler's number `e` raised to the power of the value `[x]`.
 Special cases:

- `exp(NaN)` is `NaN`
- `exp(+Inf)` is `+Inf`
- `exp(-Inf)` is `0.0`

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun exp(x: Float): Float =
    nativeMath.exp(x.toDouble()).toFloat()
    
```

Computes `exp(x) - 1`.
 This function can be implemented to produce more precise result for `[x]` near zero.
 Special cases:

- `expm1(NaN)` is `NaN`
- `expm1(+Inf)` is `+Inf`
- `expm1(-Inf)` is `-1.0`

 @see [exp] function.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun expm1(x: Float): Float =
    nativeMath.expm1(x.toDouble()).toFloat()
    
```

Computes the logarithm of the value `[x]` to the given `[base]`.
 Special cases:

- `log(x, b)` is `NaN` if either `x` or `b` are `NaN`
- `log(x, b)` is `NaN` when `x < 0` or `b <= 0` or `b == 1.0`
- `log(+Inf, +Inf)` is `NaN`
- `log(+Inf, b)` is `+Inf` for `b > 1` and `-Inf` for `b < 1`
- `log(0.0, b)` is `-Inf` for `b > 1` and `+Inf` for `b > 1`

 See also logarithm functions for common fixed bases: [ln], [log10] and [log2].

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun log(x: Float, base: Float): Float =
    log(x.toDouble(), base.toDouble()).toFloat()
    
```

Computes the natural logarithm (base `E`) of the value `[x]`.
 Special cases:

- `ln(NaN)` is `NaN`
- `ln(x)` is `NaN` when `x < 0.0`
- `ln(+Inf)` is `+Inf`
- `ln(0.0)` is `-Inf`

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun ln(x: Float): Float =
    nativeMath.log(x.toDouble()).toFloat()
    
```

Computes the common logarithm (base 10) of the value `[x]`.
 @see [ln] function for special cases.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun log10(x: Float): Float =
    nativeMath.log10(x.toDouble()).toFloat()
    
```

Computes the binary logarithm (base 2) of the value `[x]`.
 @see [ln] function for special cases.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun log2(x: Float): Float =
    nativeMath.log2(x.toDouble()).toFloat()
    
```

Computes `ln(a + 1)`.
 This function can be implemented to produce more precise result for `[x]` near zero.
 Special cases:

- `ln1p(NaN)` is `NaN`
- `ln1p(x)` is `NaN` where `x < -1.0`
- `ln1p(-1.0)` is `-Inf`
- `ln1p(+Inf)` is `+Inf`

 @see [ln] function
 @see [expm1] function

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun ln1p(x: Float): Float =
    nativeMath.log1p(x.toDouble()).toFloat()
    
```

Rounds the given value `[x]` to an integer towards positive infinity.
 @return the smallest Float value that is greater than or equal to the given value `[x]` and is a mathematical integer.
 Special cases:

- `ceil(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun ceil(x: Float): Float =
    nativeMath.ceil(x.toDouble()).toFloat()
    
```

Rounds the given value `[x]` to an integer towards negative infinity.
 @return the largest Float value that is smaller than or equal to the given value `[x]` and is a mathematical integer.
 Special cases:

- `floor(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun floor(x: Float): Float =
    nativeMath.floor(x.toDouble()).toFloat()
    
```

Rounds the given value `[x]` to an integer towards zero.
 @return the value `[x]` having its fractional part truncated.
 Special cases:

- `truncate(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun truncate(x: Float): Float =
    truncate(x.toDouble()).toFloat()
    
```

Rounds the given value `[x]` towards the closest integer with ties rounded towards even integer.
 Special cases:

- `round(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.

```

@SinceKotlin("1.2")@InlineOnly@public actual inline fun round(x: Float): Float =
    round(x.toDouble()).toFloat()
    
```

Returns the absolute value of the given value `[x]`.
 Special cases:

* - `abs(NaN)` is `NaN`
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline fun abs(x: Float): Float = nativeMath.abs(x.toDouble()).toFloat()`
 * Returns the sign of the given value [x]:
 * - -1.0 if the value is negative,
 * - zero if the value is zero,
 * - 1.0 if the value is positive
 * Special case:
 * - `sign(NaN)` is `NaN`
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline fun sign(x: Float): Float = nativeMath.sign(x.toDouble()).toFloat()`
 * Returns the smaller of two values.
 * If either value is `NaN`, then the result is `NaN`.
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline fun min(a: Float, b: Float): Float = nativeMath.min(a, b).toFloat()`
 * Returns the greater of two values.
 * If either value is `NaN`, then the result is `NaN`.
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline fun max(a: Float, b: Float): Float = nativeMath.max(a, b).toFloat()`
 * // extensions
 * Raises this value to the power [x].
 * Special cases:
 * - `b.pow(0.0)` is `1.0`
 * - `b.pow(1.0) == b`
 * - `b.pow(NaN)` is `NaN`
 * - `NaN.pow(x)` is `NaN` for `x != 0.0`
 * - `b.pow(Inf)` is `NaN` for `abs(b) == 1.0`
 * - `b.pow(x)` is `NaN` for `b < 0` and `x` is finite and not an integer
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline fun Float.pow(x: Float): Float = nativeMath.pow(this.toDouble(), x.toDouble()).toFloat()`
 * Raises this value to the integer power [n].
 * See the other overload of [pow] for details.
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline fun Float.pow(n: Int): Float = nativeMath.pow(this.toDouble(), n.toDouble()).toFloat()`
 * Returns the absolute value of this value.
 * Special cases:
 * - `NaN.absoluteValue` is `NaN`
 * @see abs function
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline val Float.absoluteValue: Float get() = nativeMath.abs(this.toDouble()).toFloat()`
 * Returns the sign of this value:
 * - -1.0 if the value is negative,
 * - zero if the value is zero,
 * - 1.0 if the value is positive
 * Special case:
 * - `NaN.sign` is `NaN`
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline val Float.sign: Float get() = nativeMath.sign(this.toDouble()).toFloat()`
 * Returns this value with the sign bit same as of the [sign] value.
 * If [sign] is `NaN` the sign of the result is undefined.
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline fun Float.withSign(sign: Float): Float = this.toDouble().withSign(sign.toDouble()).toFloat()`
 * Returns this value with the sign bit same as of the [sign] value.
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline fun Float.withSign(sign: Int): Float = this.toDouble().withSign(sign.toDouble()).toFloat()`
 * Rounds this [Float] value to the nearest integer and converts the result to [Int].
 * Ties are rounded towards positive infinity.
 * Special cases:
 * - `x.roundToInt() == Int.MAX_VALUE` when `x > Int.MAX_VALUE`
 * - `x.roundToInt() == Int.MIN_VALUE` when `x < Int.MIN_VALUE`
 * @throws IllegalArgumentException when this value is `NaN`
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline fun Float.roundToInt(): Int = toDouble().roundToInt()`
 * Rounds this [Float] value to the nearest integer and converts the result to [Long].
 * Ties are rounded towards positive infinity.
 * Special cases:
 * - `x.roundToLong() == Long.MAX_VALUE` when `x > Long.MAX_VALUE`
 * - `x.roundToLong() == Long.MIN_VALUE` when `x < Long.MIN_VALUE`
 * @throws IllegalArgumentException when this value is `NaN`
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline fun Float.roundToLong(): Long = toDouble().roundToLong()`
 * // endregion
 * // region
 * ===== Integer Math
 * =====
 * Returns the absolute value of the given value [n].
 * Special cases:
 * - `abs(Int.MIN_VALUE)` is `Int.MIN_VALUE` due to an overflow
 * @see absoluteValue extension property for [Int]
 * // TODO: remove manual 'or' when KT-19290 is fixed
 * `@SinceKotlin("1.2")`
 * `public actual fun abs(n: Int): Int = if (n < 0) (-n or 0) else n`
 * Returns the smaller of two values.
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline fun min(a: Int, b: Int): Int = nativeMath.min(a, b)`
 * Returns the greater of two values.
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline fun max(a: Int, b: Int): Int = nativeMath.max(a, b)`
 * Returns the absolute value of this value.
 * Special cases:
 * - `Int.MIN_VALUE.absoluteValue` is `Int.MIN_VALUE` due to an overflow
 * @see abs function
 * `@SinceKotlin("1.2")`
 * `@InlineOnly`
 * `public actual inline val Int.absoluteValue: Int get() = abs(this)`
 * Returns the sign of this value:
 * - -1 if the value is negative,
 * - 0 if the value is zero,
 * - 1 if the value

```

is positive\n *\n@SinceKotlin("1.2")\npublic actual val Int.sign: Int get() = when {\n    this < 0 -> -1\n    this > 0 -> 1\n    else -> 0\n}\n\n/**\n * Returns the absolute value of the given value [n].\n *\n * Special cases:\n * - `abs(Long.MIN_VALUE)` is `Long.MIN_VALUE` due to an overflow\n *\n * @see absoluteValue extension property for [Long]\n *\n@SinceKotlin("1.2")\npublic actual fun abs(n: Long): Long = if (n < 0) -n else n\n\n/**\n * Returns the smaller of two values.\n\n*\n@SinceKotlin("1.2")\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline fun min(a: Long, b: Long): Long = if (a <= b) a else b\n\n/**\n * Returns the greater of two values.\n\n*\n@SinceKotlin("1.2")\n@Suppress("NOTHING_TO_INLINE")\npublic actual inline fun max(a: Long, b: Long): Long = if (a >= b) a else b\n\n/**\n * Returns the absolute value of this value.\n *\n * Special cases:\n * - `Long.MIN_VALUE.absoluteValue` is `Long.MIN_VALUE` due to an overflow\n *\n * @see abs function\n\n*\n@SinceKotlin("1.2")\n@InlineOnly\npublic actual inline val Long.absoluteValue: Long get() = abs(this)\n\n/**\n * Returns the sign of this value:\n * - `-1` if the value is negative,\n * - `0` if the value is zero,\n * - `1` if the value is positive\n *\n@SinceKotlin("1.2")\npublic actual val Long.sign: Int get() = when {\n    this < 0 -> -1\n    this > 0 -> 1\n    else -> 0\n}\n\n// endregion\n", /*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n@package kotlin\n\n/**\n * Returns `true` if the specified number is a\n * Not-a-Number (NaN) value, `false` otherwise.\n *\npublic actual fun Double.isNaN(): Boolean = this != this\n\n/**\n * Returns `true` if the specified number is a\n * Not-a-Number (NaN) value, `false` otherwise.\n\npublic actual fun Float.isNaN(): Boolean = this != this\n\n/**\n * Returns `true` if this value is infinitely large in magnitude.\n *\npublic actual fun Double.isInfinite(): Boolean = this == Double.POSITIVE_INFINITY || this == Double.NEGATIVE_INFINITY\n\n/**\n * Returns `true` if this value is infinitely large in magnitude.\n *\npublic actual fun Float.isInfinite(): Boolean = this == Float.POSITIVE_INFINITY || this == Float.NEGATIVE_INFINITY\n\n/**\n * Returns `true` if the argument is a finite floating-point value; returns `false` otherwise (for `NaN` and infinity arguments).\n *\npublic actual fun Double.isFinite(): Boolean = !isInfinite() && !isNaN()\n\n/**\n * Returns `true` if the argument is a finite floating-point value; returns `false` otherwise (for `NaN` and infinity arguments).\n *\npublic actual fun Float.isFinite(): Boolean = !isInfinite() && !isNaN()\n\n/**\n * Counts the number of set bits in the binary representation of this [Int] number.\n\n*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic actual fun Int.countOneBits(): Int {\n    // Hacker's Delight 5-1 algorithm\n    var v = this\n    v = (v and 0x55555555) + (v.ushr(1) and 0x55555555)\n    v = (v and 0x33333333) + (v.ushr(2) and 0x33333333)\n    v = (v and 0x0F0F0F0F) + (v.ushr(4) and 0x0F0F0F0F)\n    v = (v and 0x00FF00FF) + (v.ushr(8) and 0x00FF00FF)\n    v = (v and 0x0000FFFF) + (v.ushr(16))\n    return v\n}\n\n/**\n * Counts the number of consecutive most significant bits that are zero in the binary representation of this [Int] number.\n\n*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@Suppress("DEPRECATION")\n@kotlin.internal.InlineOnly\npublic actual inline fun Int.countLeadingZeroBits(): Int = kotlin.js.Math.clz32(this)\n\n/**\n * Counts the number of consecutive least significant bits that are zero in the binary representation of this [Int] number.\n\n*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic actual fun Int.countTrailingZeroBits(): Int =\n    // Hacker's Delight 5-4 algorithm for expressing countTrailingZeroBits with countLeadingZeroBits\n    Int.SIZE_BITS - (this or -this).inv().countLeadingZeroBits()\n\n/**\n * Returns a number having a single bit set in the position of the most significant set bit of this [Int] number,\n * or zero, if this number is zero.\n\n*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic actual fun Int.takeHighestOneBit(): Int =\n    if (this == 0) 0 else 1.shl(Int.SIZE_BITS - 1 - countLeadingZeroBits())\n\n/**\n * Returns a number having a single bit set in the position of the least significant set bit of this [Int] number,\n * or zero, if this number is zero.\n\n*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic actual fun Int.takeLowestOneBit(): Int =\n    // Hacker's Delight 2-1 algorithm for isolating rightmost 1-bit\n    this and -this\n\n/**\n * Rotates the binary representation of this [Int] number left by the specified [bitCount] number of bits.\n * The most significant bits pushed out from the left side reenter the number as the least significant bits on the right side.\n *\n * Rotating the number left by a negative bit count is the same as rotating it right by the negated bit count:\n * `number.rotateLeft(-`

```

```

n) == number.rotateRight(n)`n * Rotating by a multiple of [Int.SIZE_BITS] (32) returns the same number, or
more generally`n * `number.rotateLeft(n) == number.rotateLeft(n % 32)`n
*/@SinceKotlin("1.3")@ExperimentalStdlibApi\npublic actual fun Int.rotateLeft(bitCount: Int): Int =\nshl(bitCount) or ushr(Int.SIZE_BITS - bitCount)\n\n/* Rotates the binary representation of this [Int] number
right by the specified [bitCount] number of bits. The least significant bits pushed out from the right side reenter
the number as the most significant bits on the left side. Rotating the number right by a negative bit count is
the same as rotating it left by the negated bit count: number.rotateRight(-n) == number.rotateLeft(n) *
Rotating by a multiple of [Int.SIZE_BITS] (32) returns the same number, or more generally`n *
`number.rotateRight(n) == number.rotateRight(n % 32)`n
*/@SinceKotlin("1.3")@ExperimentalStdlibApi\npublic actual fun Int.rotateRight(bitCount: Int): Int =\nshl(Int.SIZE_BITS - bitCount) or ushr(bitCount)\n\n/* Counts the number of set bits in the binary
representation of this [Long] number.*/@SinceKotlin("1.3")@ExperimentalStdlibApi\npublic actual fun
Long.countOneBits(): Int =\n    high.countOneBits() + low.countOneBits()\n\n/* Counts the number of
consecutive most significant bits that are zero in the binary representation of this [Long] number.*/@SinceKotlin("1.3")@ExperimentalStdlibApi\npublic actual fun Long.countLeadingZeroBits(): Int =\nwhen (val high = this.high) {\n    0 -> Int.SIZE_BITS + low.countLeadingZeroBits()\n    else ->
high.countLeadingZeroBits()\n}\n\n/* Counts the number of consecutive least significant bits that are zero in
the binary representation of this [Long] number.*/@SinceKotlin("1.3")@ExperimentalStdlibApi\npublic
actual fun Long.countTrailingZeroBits(): Int =\n    when (val low = this.low) {\n        0 -> Int.SIZE_BITS +
high.countTrailingZeroBits()\n        else -> low.countTrailingZeroBits()\n    }\n\n/* Returns a number having a
single bit set in the position of the most significant set bit of this [Long] number, or zero, if this number is
zero.*/@SinceKotlin("1.3")@ExperimentalStdlibApi\npublic actual fun Long.takeHighestOneBit(): Long =\nwhen (val high = this.high) {\n    0 -> Long(low.takeHighestOneBit(), 0)\n    else -> Long(0,
high.takeHighestOneBit())\n}\n\n/* Returns a number having a single bit set in the position of the least
significant set bit of this [Long] number, or zero, if this number is zero.*/@SinceKotlin("1.3")@ExperimentalStdlibApi\npublic actual fun Long.takeLowestOneBit(): Long =\nwhen (val low = this.low) {\n    0 -> Long(0, high.takeLowestOneBit())\n    else ->
Long(low.takeLowestOneBit(), 0)\n}\n\n/* Rotates the binary representation of this [Long] number left by
the specified [bitCount] number of bits. The most significant bits pushed out from the left side reenter the
number as the least significant bits on the right side. Rotating the number left by a negative bit count is the
same as rotating it right by the negated bit count: number.rotateLeft(-n) == number.rotateRight(n) *
Rotating by a multiple of [Long.SIZE_BITS] (64) returns the same number, or more generally`n *
`number.rotateLeft(n) == number.rotateLeft(n % 64)`n
*/@SinceKotlin("1.3")@ExperimentalStdlibApi\npublic actual fun Long.rotateLeft(bitCount: Int): Long {\n
if ((bitCount and 31) != 0) {\n    val low = this.low\n    val high = this.high\n    val newLow =
low.shl(bitCount) or high.ushr(-bitCount)\n    val newHigh = high.shl(bitCount) or low.ushr(-bitCount)\n
return if ((bitCount and 32) == 0) Long(newLow, newHigh) else Long(newHigh, newLow)\n} else {\n    return
if ((bitCount and 32) == 0) this else Long(high, low)\n}\n\n/* Rotates the binary representation of this
[Long] number right by the specified [bitCount] number of bits. The least significant bits pushed out from the
right side reenter the number as the most significant bits on the left side. Rotating the number right by a
negative bit count is the same as rotating it left by the negated bit count: number.rotateRight(-n) ==
number.rotateLeft(n) *
Rotating by a multiple of [Long.SIZE_BITS] (64) returns the same number, or more
generally`n * `number.rotateRight(n) == number.rotateRight(n % 64)`n
*/@SinceKotlin("1.3")@ExperimentalStdlibApi\n@kotlin.internal.InlineOnly\npublic actual inline fun
Long.rotateRight(bitCount: Int): Long = rotateLeft(-bitCount)\n\n/* Copyright 2010-2018 JetBrains s.r.o. and
Kotlin Programming Language contributors. Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.*/@npackage kotlin.js\nimport
kotlin.internal.LowPriorityInOverloadResolution\n\n/* Exposes the JavaScript [Promise

```

```

object](https://developer.mozilla.org/en/docs/Web/JavaScript/Reference/Global_Objects/Promise) to Kotlin.\n
*\n\n@Suppress("NOT_DOCUMENTED")\npublic open external class Promise<out T>(executor: (resolve: (T) ->
Unit, reject: (Throwable) -> Unit) -> Unit) {\n    @LowPriorityInOverloadResolution\n    public open fun <S>
then(onFulfilled: ((T) -> S)?): Promise<S>\n\n    @LowPriorityInOverloadResolution\n    public open fun <S>
then(onFulfilled: ((T) -> S)?, onRejected: ((Throwable) -> S)?): Promise<S>\n\n    public open fun <S>
catch(onRejected: (Throwable) -> S): Promise<S>\n\n    companion object {\n        public fun <S> all(promise:
Array<out Promise<S>>): Promise<Array<out S>>\n\n        public fun <S> race(promise: Array<out
Promise<S>>): Promise<S>\n\n        public fun reject(e: Throwable): Promise<Nothing>\n\n        public fun <S>
resolve(e: S): Promise<S>\n\n        public fun <S> resolve(e: Promise<S>): Promise<S>\n    }\n}\n\n// It's workaround
for KT-19672 since we can fix it properly until KT-11265 isn't fixed.\n\ninline fun <T, S>
Promise<Promise<T>>.then(\n    noinline onFulfilled: ((T) -> S)?\n): Promise<S> {\n    return
this.unsafeCast<Promise<T>>().then(onFulfilled)\n}\n\ninline fun <T, S> Promise<Promise<T>>.then(\n    noinline
onFulfilled: ((T) -> S)?,\n    noinline onRejected: ((Throwable) -> S)?\n): Promise<S> {\n    return
this.unsafeCast<Promise<T>>().then(onFulfilled, onRejected)\n}\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.random\n\nimport
kotlin.math.pow\n\ninternal actual fun defaultPlatformRandom(): Random =\n    Random(js("Math.random() *
Math.pow(2, 32)) | 0").unsafeCast<Int>()\n\nprivate val INV_2_26: Double = 2.0.pow(-26)\nprivate val
INV_2_53: Double = 2.0.pow(-53)\n\ninternal actual fun doubleFromParts(hi26: Int, low27: Int): Double =\n    hi26 *
INV_2_26 + low27 * INV_2_53","/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.js\n\nimport getKClass\nimport kotlin.reflect.KClass\nimport
kotlin.reflect.js.internal.KClassImpl\n\n/**\n * Represents the constructor of a class. Instances of `JsClass` can be
passed to JavaScript APIs that expect a constructor reference.\n */\n\nexternal interface JsClass<T : Any> {\n    /**\n
 * Returns the unqualified name of the class represented by this instance.\n    */\n    val name:
String\n}\n\n@Deprecated("Use class literal and extension property `js` instead.", replaceWith =
ReplaceWith("T::class.js"), level = DeprecationLevel.ERROR)\n\nexternal fun <T : Any> jsClass():
JsClass<T>\n\n@Deprecated("Use class literal and extension property `js` instead.", replaceWith =
ReplaceWith("this::class.js"), level = DeprecationLevel.ERROR)\n\nval <T : Any> T.jsClass: JsClass<T>\n    get()
= when (jsTypeOf(this)) {\n        "string" -> js("String")\n        "number" -> js("Number")\n        "boolean" ->
js("Boolean")\n        else -> js("Object").getPrototypeOf(this).constructor\n    }\n\n/**\n * Obtains a constructor
reference for the given `KClass`.\n */\n\nval <T : Any> KClass<T>.js: JsClass<T>\n    get() = (this as
KClassImpl<T>).jClass\n\n/**\n * Obtains a `KClass` instance for the given constructor reference.\n */\n\nval <T :
Any> JsClass<T>.kotlin: KClass<T>\n    get() = getKClass(this)\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.reflect.js.internal\n\nimport
kotlin.reflect.*\n\ninternal abstract class KClassImpl<T : Any>(\n    internal open val jClass: JsClass<T>)\n    :
KClass<T> {\n    override val annotations: List<Annotation>\n        get() = TODO()\n    override val constructors:
Collection<KFunction<T>>\n        get() = TODO()\n    override val isAbstract: Boolean\n        get() = TODO()\n
    override val isCompanion: Boolean\n        get() = TODO()\n    override val isData: Boolean\n        get() =
TODO()\n    override val isFinal: Boolean\n        get() = TODO()\n    override val isInner: Boolean\n        get() =
TODO()\n    override val isOpen: Boolean\n        get() = TODO()\n    override val isSealed: Boolean\n        get() =
TODO()\n    override val members: Collection<KCallable<*>>\n        get() = TODO()\n    override val nestedClasses:
Collection<KClass<*>>\n        get() = TODO()\n    override val objectInstance: T?\n        get() = TODO()\n
    override val qualifiedName: String?\n        get() = TODO()\n    override val supertypes: List<KType>\n        get() =
TODO()\n    override val typeParameters: List<KTypeParameter>\n        get() = TODO()\n    override val
sealedSubclasses: List<KClass<out T>>\n        get() = TODO()\n    override val visibility: KVisibility?\n        get() =
TODO()\n\n    override fun equals(other: Any?): Boolean {\n        return other is KClassImpl<*> && jClass ==

```

```

other.jClass\n    }\n    // TODO: use FQN\n    override fun hashCode(): Int = simpleName?.hashCode() ?: 0\n\n    override fun toString(): String {\n        // TODO: use FQN\n        return \"class $simpleName\"\n    }\n}\n\ninternal
class SimpleKClassImpl<T : Any>(jClass: JsClass<T>) : KClassImpl<T>(jClass) {\n    override val simpleName:
String? = jClass.asDynamic().`$metadata$`.simpleName.unsafeCast<String?>()\n\n    override fun
isInstance(value: Any?): Boolean {\n        return jsIsType(value, jClass)\n    }\n}\n\ninternal class
PrimitiveKClassImpl<T : Any>(\n    jClass: JsClass<T>,\n    private val givenSimpleName: String,\n    private val
isInstanceFunction: (Any?) -> Boolean\n) : KClassImpl<T>(jClass) {\n    override fun equals(other: Any?): Boolean
{\n        if (other !is PrimitiveKClassImpl<*>) return false\n        return super.equals(other) && givenSimpleName
== other.givenSimpleName\n    }\n\n    override val simpleName: String? get() = givenSimpleName\n\n    override
fun isInstance(value: Any?): Boolean {\n        return isInstanceFunction(value)\n    }\n}\n\ninternal object
NothingKClassImpl : KClassImpl<Nothing>(js(\"Object\")) {\n    override val simpleName: String =
\"Nothing\"\n\n    override fun isInstance(value: Any?): Boolean = false\n\n    override val jClass:
JsClass<Nothing>\n        get() = throw UnsupportedOperationException(\"There's no native JS class for Nothing
type\")\n\n    override fun equals(other: Any?): Boolean = other === this\n\n    override fun hashCode(): Int =
0\n}\n\n/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this
source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n// a
package is omitted to get declarations directly under the module\n\n// TODO: Remove once
JsReflectionAPICallChecker supports more reflection types\n\n@file:Suppress(\"Unsupported\")\n\nimport
kotlin.reflect.*\nimport kotlin.reflect.js.internal.*\n\n@JsName(\"createKType\")\ninternal fun createKType(\n
classifier: KClassifier,\n    arguments: Array<KTypeProjection>,\n    isMarkedNullable: Boolean\n) =\n    KTypeImpl(classifier, arguments.asList(), isMarkedNullable)\n\n@JsName(\"createDynamicKType\")\ninternal fun
createDynamicKType(): KType = DynamicKType\n\n@JsName(\"markKTypeNullable\")\ninternal fun
markKTypeNullable(kType: KType) = KTypeImpl(kType.classifier!!, kType.arguments,
true)\n\n@JsName(\"createKTypeParameter\")\ninternal fun createKTypeParameter(\n    name: String,\n
upperBounds: Array<KType>,\n    variance: String\n): KTypeParameter {\n    val kVariance = when (variance) {\n
        \"in\" -> KVariance.IN\n        \"out\" -> KVariance.OUT\n        else -> KVariance.INVARIANT\n    }\n\n    return
KTypeParameterImpl(name, upperBounds.asList(), kVariance,
false)\n}\n\n@JsName(\"getStarKTypeProjection\")\ninternal fun getStarKTypeProjection(): KTypeProjection =\n    KTypeProjection.STAR\n\n@JsName(\"createCovariantKTypeProjection\")\ninternal fun
createCovariantKTypeProjection(type: KType): KTypeProjection =\n    KTypeProjection.covariant(type)\n\n@JsName(\"createInvariantKTypeProjection\")\ninternal fun
createInvariantKTypeProjection(type: KType): KTypeProjection =\n    KTypeProjection.invariant(type)\n\n@JsName(\"createContravariantKTypeProjection\")\ninternal fun
createContravariantKTypeProjection(type: KType): KTypeProjection =\n    KTypeProjection.contravariant(type)\n\n/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.reflect.js.internal\n\nimport kotlin.reflect.*\n\ninternal class
KTypeImpl(\n    override val classifier: KClassifier,\n    override val arguments: List<KTypeProjection>,\n
    override val isMarkedNullable: Boolean\n) : KType {\n    override val annotations: List<Annotation>\n        get() =
emptyList()\n\n    override fun equals(other: Any?): Boolean =\n        other is KTypeImpl &&\n            classifier
== other.classifier && arguments == other.arguments && isMarkedNullable == other.isMarkedNullable\n\n    override
fun hashCode(): Int =\n        (classifier.hashCode() * 31 + arguments.hashCode()) * 31 +
isMarkedNullable.hashCode()\n\n    override fun toString(): String {\n        val kClass = (classifier as? KClass<*>)\n
        val classifierName = when {\n            kClass == null -> classifier.toString()\n            kClass.simpleName != null
-> kClass.simpleName\n            else -> \"(non-denotable type)\"\n        }\n        val args =\n            if
(arguments.isEmpty()) \"\"\n            else arguments.joinToString(\" \", \" \", \"<\", \">\") { it.asString() }\n        val
nullable = if (isMarkedNullable) \"?\" else \"\"\n\n        return classifierName + args + nullable\n    }\n\n    // TODO:
this should be the implementation of KTypeProjection.toString, see KT-30071\n    private fun

```



```

KTypeProjection.asString(): String {
    if (variance == null) return "*"
    return variance.prefixString() +
    type.toString()
}
}

internal object DynamicKType : KType {
    override val classifier: KClassifier? = null
    override val arguments: List<KTypeProjection> = emptyList()
    override val isMarkedNullable: Boolean = false
    override val annotations: List<Annotation> = emptyList()
    override fun toString(): String = "dynamic"

    internal fun KVariance.prefixString() = when (this) {
        KVariance.INVARIANT -> ""
        KVariance.IN -> "in"
        KVariance.OUT -> "out"
    }
}

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 */

package kotlin.reflect.js.internal

import kotlin.reflect.*

internal data class KTypeParameterImpl(
    override val name: String,
    override val upperBounds: List<KType>,
    override val variance: KVariance,
    override val isReified: Boolean
) : KTypeParameter {
    override fun toString(): String = name
}

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 */

package kotlin.reflect.js.internal

import kotlin.js.JsClass
import @JsName("PrimitiveClasses")
internal object PrimitiveClasses {
    @JsName("anyClass")
    val anyClass = PrimitiveKClassImpl(js("Object").unsafeCast<JsClass<Any>>(), "Any", { it is Any })
    @JsName("numberClass")
    val numberClass = PrimitiveKClassImpl(js("Number").unsafeCast<JsClass<Number>>(), "Number", { it is Number })
    @JsName("nothingClass")
    val nothingClass = NothingKClassImpl()
    @JsName("booleanClass")
    val booleanClass = PrimitiveKClassImpl(js("Boolean").unsafeCast<JsClass<Boolean>>(), "Boolean", { it is Boolean })
    @JsName("byteClass")
    val byteClass = PrimitiveKClassImpl(js("Number").unsafeCast<JsClass<Byte>>(), "Byte", { it is Byte })
    @JsName("shortClass")
    val shortClass = PrimitiveKClassImpl(js("Number").unsafeCast<JsClass<Short>>(), "Short", { it is Short })
    @JsName("intClass")
    val intClass = PrimitiveKClassImpl(js("Number").unsafeCast<JsClass<Int>>(), "Int", { it is Int })
    @JsName("floatClass")
    val floatClass = PrimitiveKClassImpl(js("Number").unsafeCast<JsClass<Float>>(), "Float", { it is Float })
    @JsName("doubleClass")
    val doubleClass = PrimitiveKClassImpl(js("Number").unsafeCast<JsClass<Double>>(), "Double", { it is Double })
    @JsName("arrayClass")
    val arrayClass = PrimitiveKClassImpl(js("Array").unsafeCast<JsClass<Array<*>>>(), "Array", { it is Array<*> })
    @JsName("stringClass")
    val stringClass = PrimitiveKClassImpl(js("String").unsafeCast<JsClass<String>>(), "String", { it is String })
    @JsName("throwableClass")
    val throwableClass = PrimitiveKClassImpl(js("Error").unsafeCast<JsClass<Throwable>>(), "Throwable", { it is Throwable })
    @JsName("booleanArrayClass")
    val booleanArrayClass = PrimitiveKClassImpl(js("Array").unsafeCast<JsClass<BooleanArray>>(), "BooleanArray", { it is BooleanArray })
    @JsName("charArrayClass")
    val charArrayClass = PrimitiveKClassImpl(js("Uint16Array").unsafeCast<JsClass<CharArray>>(), "CharArray", { it is CharArray })
    @JsName("byteArrayClass")
    val byteArrayClass = PrimitiveKClassImpl(js("Int8Array").unsafeCast<JsClass<ByteArray>>(), "ByteArray", { it is ByteArray })
    @JsName("shortArrayClass")
    val shortArrayClass = PrimitiveKClassImpl(js("Int16Array").unsafeCast<JsClass<ShortArray>>(), "ShortArray", { it is ShortArray })
    @JsName("intArrayClass")
    val intArrayClass = PrimitiveKClassImpl(js("Int32Array").unsafeCast<JsClass<IntArray>>(), "IntArray", { it is IntArray })
    @JsName("longArrayClass")
    val longArrayClass = PrimitiveKClassImpl(js("Array").unsafeCast<JsClass<LongArray>>(), "LongArray", { it is LongArray })
    @JsName("floatArrayClass")
    val floatArrayClass = PrimitiveKClassImpl(js("Float32Array").unsafeCast<JsClass<FloatArray>>(), "FloatArray", { it is FloatArray })
    @JsName("doubleArrayClass")
    val doubleArrayClass = PrimitiveKClassImpl(js("Float64Array").unsafeCast<JsClass<DoubleArray>>(), "DoubleArray", { it is

```

```

DoubleArray })\n\n @JsName("functionClass")\n fun functionClass(arity: Int): KClassImpl<Any> {\n
return functionClasses.get(arity) ?: run {\n      val result =
PrimitiveKClassImpl(js("Function").unsafeCast<JsClass<Any>>(), "Function$arity")\n
    { jsTypeOf(it) === "function" && it.asDynamic().length === arity })\n      functionClasses.asDynamic()[arity]
= result\n      result\n    }\n  }\n\nprivate val functionClasses =
arrayOfNulls<KClassImpl<Any>>(0),"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\n// a package is omitted to get declarations directly under the module\n\nimport
kotlin.reflect.*\nimport kotlin.reflect.js.internal.*\n\n@JsName("getKClass")\ninternal fun <T : Any>
getKClass(jClass: JsClass<T>): KClass<T> =
getOrCreateKClass(jClass)\n\n@JsName("getKClassFromExpression")\ninternal fun <T : Any>
getKClassFromExpression(e: T): KClass<T> =\n  when (jsTypeOf(e)) {\n    "string" ->
PrimitiveClasses.stringClass\n    "number" -> if (jsBitwiseOr(e, 0).asDynamic() === e)
PrimitiveClasses.intClass else PrimitiveClasses.doubleClass\n    "boolean" -> PrimitiveClasses.booleanClass\n
    "function" -> PrimitiveClasses.functionClass(e.asDynamic().length)\n    else -> {\n      when {\n        e
is BooleanArray -> PrimitiveClasses.booleanArrayClass\n        e is CharArray ->
PrimitiveClasses.charArrayClass\n        e is ByteArray -> PrimitiveClasses.byteArrayClass\n        e is
ShortArray -> PrimitiveClasses.shortArrayClass\n        e is IntArray -> PrimitiveClasses.intArrayClass\n
        e is LongArray -> PrimitiveClasses.longArrayClass\n        e is FloatArray ->
PrimitiveClasses.floatArrayClass\n        e is DoubleArray -> PrimitiveClasses.doubleArrayClass\n        e is
KClass<*> -> KClass::class\n        e is Array<*> -> PrimitiveClasses.arrayClass\n        else -> {\n
          val constructor = js("Object").getPrototypeOf(e).constructor\n          when {\n            constructor
=== js("Object") -> PrimitiveClasses.anyClass\n            constructor === js("Error") ->
PrimitiveClasses.throwableClass\n            else -> {\n              val jsClass: JsClass<T> =
constructor\n              getOrCreateKClass(jsClass)\n            }\n          }\n        }\n      }\n    }\n  }.unsafeCast<KClass<T>>()\n\nprivate fun <T : Any> getOrCreateKClass(jClass: JsClass<T>):
KClass<T> {\n  if (jClass === js("String")) return PrimitiveClasses.stringClass.unsafeCast<KClass<T>>()\n\n  val metadata = jClass.asDynamic().`$metadata$\n\n  return if (metadata != null) {\n    if (metadata.`$kClass$\n
=== null) {\n      val kClass = SimpleKClassImpl(jClass)\n      metadata.`$kClass$` = kClass\n      kClass\n    }
else {\n      metadata.`$kClass$\n    }\n  } else {\n    SimpleKClassImpl(jClass)\n  }\n}\n"/*\n *
Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is
governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage
kotlin.js\n\n/**\n * Exposes the JavaScript [RegExp
object](https://developer.mozilla.org/en/docs/Web/JavaScript/Reference/Global_Objects/RegExp) to Kotlin.\n
*/\n\n@Suppress("NOT_DOCUMENTED")\npublic external class RegExp(pattern: String, flags: String? =
definedExternally) {\n  public fun test(str: String): Boolean\n  public fun exec(str: String): RegExpMatch?\n\n  public override fun toString(): String\n\n  /**\n   * The lastIndex is a read/write integer property of regular
expressions that specifies the index at which to start the next match.\n   */\n  public var lastIndex: Int\n\n  public
val global: Boolean\n  public val ignoreCase: Boolean\n  public val multiline: Boolean\n}\n\n/**\n * Resets the
regular expression so that subsequent [RegExp.test] and [RegExp.exec] calls will match starting with the beginning
of the input string.\n */\n\npublic fun RegExp.reset() {\n  lastIndex = 0\n}\n\n// TODO: Inherit from array or
introduce asArray() extension\n\n/**\n * Represents the return value of [RegExp.exec].\n
*/\n\n@Suppress("NOT_DOCUMENTED")\npublic external interface RegExpMatch {\n  public val index: Int\n
public val input: String\n  public val length: Int\n}\n\n/**\n * Returns the entire text matched by [RegExp.exec] if
the [index] parameter is 0, or the text matched by the capturing parenthesis\n * at the given index.\n */\n\npublic inline
operator fun RegExpMatch.get(index: Int): String? = asDynamic()[index]\n\n/**\n * Converts the result of
[RegExp.exec] to an array where the first element contains the entire matched text and each subsequent\n * element
is the text matched by each capturing parenthesis.\n */\n\npublic inline fun RegExpMatch.asArray(): Array<out

```

```

String?> = unsafeCast<Array<out String?>>()\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\npackage kotlin.sequences\n\ninternal actual class
ConstrainedOnceSequence<T> actual constructor(sequence: Sequence<T>) : Sequence<T> {\n    private var
sequenceRef: Sequence<T>? = sequence\n\n    actual override fun iterator(): Iterator<T> {\n        val sequence =
sequenceRef ?: throw IllegalStateException("This sequence can be consumed only once.")\n        sequenceRef =
null\n        return sequence.iterator()\n    }\n}\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\npackage kotlin.text\n\n// actually \\s is enough to match all
whitespace, but \\xA0 added because of different regexp behavior of Rhino used in Selenium tests\n\npublic actual fun
Char.isWhitespace(): Boolean = toString().matches("[\\s\\xA0]")\n\n@kotlin.internal\n\npublic actual
inline fun Char.toLowerCase(): Char =
js("String.fromCharCode")(toInt()).toLowerCase().charCodeAt(0).unsafeCast<Int>().toChar()\n\n@kotlin.internal
\n\npublic actual inline fun Char.toUpperCase(): Char =
js("String.fromCharCode")(toInt()).toUpperCase().charCodeAt(0).unsafeCast<Int>().toChar()\n\n/**\n * Returns
`true` if this character is a Unicode high-surrogate code unit (also known as leading-surrogate code unit).\n
*/\n\npublic actual fun Char.isHighSurrogate(): Boolean = this in
Char.MIN_HIGH_SURROGATE..Char.MAX_HIGH_SURROGATE\n\n/**\n * Returns `true` if this character is a
Unicode low-surrogate code unit (also known as trailing-surrogate code unit).\n */\n\npublic actual fun
Char.isLowSurrogate(): Boolean = this in
Char.MIN_LOW_SURROGATE..Char.MAX_LOW_SURROGATE\n", "/*\n * Copyright 2010-2018 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.text\n\n/**\n * Returns `true` if
the contents of this string is equal to the word `true`, ignoring case, and `false` otherwise.\n */\n\npublic actual fun
String.toBoolean(): Boolean = toLowerCase() == "true"\n\n/**\n * Parses the string as a signed [Byte] number and
returns the result.\n * @throws NumberFormatException if the string is not a valid representation of a number.\n
*/\n\npublic actual fun String.toByte(): Byte = toByteOrNull() ?: numberFormatError(this)\n\n/**\n * Parses the string
as a signed [Byte] number and returns the result.\n * @throws NumberFormatException if the string is not a valid
representation of a number.\n * @throws IllegalArgumentException when [radix] is not a valid radix for string to
number conversion.\n */\n\npublic actual fun String.toByte(radix: Int): Byte = toByteOrNull(radix) ?:
numberFormatError(this)\n\n/**\n * Parses the string as a [Short] number and returns the result.\n * @throws
NumberFormatException if the string is not a valid representation of a number.\n */\n\npublic actual fun
String.toShort(): Short = toShortOrNull() ?: numberFormatError(this)\n\n/**\n * Parses the string as a [Short]
number and returns the result.\n * @throws NumberFormatException if the string is not a valid representation of a
number.\n * @throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*/\n\npublic actual fun String.toShort(radix: Int): Short = toShortOrNull(radix) ?: numberFormatError(this)\n\n/**
 * Parses the string as an [Int] number and returns the result.\n * @throws NumberFormatException if the string is not
a valid representation of a number.\n */\n\npublic actual fun String.toInt(): Int = toIntOrNull() ?:
numberFormatError(this)\n\n/**\n * Parses the string as an [Int] number and returns the result.\n * @throws
NumberFormatException if the string is not a valid representation of a number.\n * @throws
IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n */\n\npublic actual fun
String.toInt(radix: Int): Int = toIntOrNull(radix) ?: numberFormatError(this)\n\n/**\n * Parses the string as a [Long]
number and returns the result.\n * @throws NumberFormatException if the string is not a valid representation of a
number.\n */\n\npublic actual fun String.toLong(): Long = toLongOrNull() ?: numberFormatError(this)\n\n/**\n *
Parses the string as a [Long] number and returns the result.\n * @throws NumberFormatException if the string is not
a valid representation of a number.\n * @throws IllegalArgumentException when [radix] is not a valid radix for
string to number conversion.\n */\n\npublic actual fun String.toLong(radix: Int): Long = toLongOrNull(radix) ?:
numberFormatError(this)\n\n/**\n * Parses the string as a [Double] number and returns the result.\n * @throws

```

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NumberFormatException if the string is not a valid representation of a number.\n */\npublic actual fun
String.toDouble(): Double = (+this.asDynamic()).unsafeCast<Double>().also {\n    if (it.isNaN() && !this.isNaN()
|| it == 0.0 && this.isBlank())\n        numberFormatError(this)\n}\n\n/**\n * Parses the string as a [Float] number
and returns the result.\n * @throws NumberFormatException if the string is not a valid representation of a
number.\n */\n@kotlin.internal.InlineOnly\npublic actual inline fun String.toFloat(): Float =
toDouble().unsafeCast<Float>()\n\n/**\n * Parses the string as a [Double] number and returns the result\n * or `null`
if the string is not a valid representation of a number.\n */\npublic actual fun String.toDoubleOrNull(): Double? =
(+this.asDynamic()).unsafeCast<Double>().takeIf {\n    !(it.isNaN() && !this.isNaN() || it == 0.0 &&
this.isBlank())\n}\n\n/**\n * Parses the string as a [Float] number and returns the result\n * or `null` if the string is
not a valid representation of a number.\n */\n@kotlin.internal.InlineOnly\npublic actual inline fun
String.toFloatOrNull(): Float? = toDoubleOrNull().unsafeCast<Float?>()\n\n/**\n * Returns a string representation
of this [Byte] value in the specified [radix].\n * @throws IllegalArgumentException when [radix] is not a valid
radix for number to string conversion.\n */\n@SinceKotlin("1.2")\n@kotlin.internal.InlineOnly\npublic actual
inline fun Byte.toString(radix: Int): String = this.toInt().toString(radix)\n\n/**\n * Returns a string representation of
this [Short] value in the specified [radix].\n * @throws IllegalArgumentException when [radix] is not a valid
radix for number to string conversion.\n */\n@SinceKotlin("1.2")\n@kotlin.internal.InlineOnly\npublic actual
inline fun Short.toString(radix: Int): String = this.toInt().toString(radix)\n\n/**\n * Returns a string representation of
this [Int] value in the specified [radix].\n * @throws IllegalArgumentException when [radix] is not a valid radix
for number to string conversion.\n */\n@SinceKotlin("1.2")\npublic actual fun Int.toString(radix: Int): String =
asDynamic().toString(checkRadix(radix))\n\nprivate fun String.isNaN(): Boolean = when (this.toLowerCase()) {\n
"nan", "+nan", "-nan" -> true\n    else -> false\n}\n\n/**\n * Checks whether the given [radix] is valid radix for
string to number and number to string conversion.\n */\n@PublishedApi\ninternal actual fun checkRadix(radix: Int):
Int {\n    if (radix !in 2..36) {\n        throw IllegalArgumentException("radix $radix was not in valid range 2..36")\n
    }\n    return radix\n}\n\ninternal actual fun digitOf(char: Char, radix: Int): Int = when {\n    char >= '0' && char <=
'9' -> char - '0'\n    char >= 'A' && char <= 'Z' -> char - 'A' + 10\n    char >= 'a' && char <= 'z' -> char - 'a' + 10\n
else -> -1\n}.let { if (it >= radix) -1 else it }\n\n", "\n\n/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\npackage kotlin.text\n\nimport kotlin.js.RegExp\n\n/**\n * Provides
enumeration values to use to set regular expression options.\n */\npublic actual enum class RegexOptions(val value:
String) {\n    /** Enables case-insensitive matching. */\n    IGNORE_CASE("i"),\n    /** Enables multiline
mode.\n     * In multiline mode the expressions `^` and `$` match just after or just before,\n     * respectively, a
line terminator or the end of the input sequence. */\n    MULTILINE("m")\n}\n\n/**\n * Represents the results
from a single capturing group within a [MatchResult] of [Regex].\n * @param value The value of captured
group.\n */\npublic actual data class MatchGroup(actual val value: String)\n\n/**\n * Represents a compiled
regular expression.\n * Provides functions to match strings in text with a pattern, replace the found occurrences and
split text around matches.\n * For pattern syntax reference see [MDN RegExp](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/RegExp#Special_characters_meaning_in_regular_expressions)\n
*/\n    and
[http://www.w3schools.com/jsref/jsref_obj_regexp.asp](https://www.w3schools.com/jsref/jsref_obj_regexp.asp).\n
*/\n    @constructor Creates a regular expression from the specified [pattern] string and the specified set of
[options].\n */\npublic actual class Regex actual constructor(pattern: String, options: Set<RegexOption>) {\n\n    /**
Creates a regular expression from the specified [pattern] string and the specified single [option]. */\n    public actual
constructor(pattern: String, option: RegexOptions) : this(pattern, setOf(option))\n\n    /** Creates a regular expression
from the specified [pattern] string and the default options. */\n    public actual constructor(pattern: String) :
this(pattern, emptySet())\n\n    /** The pattern string of this regular expression. */\n    public actual val pattern:
String = pattern\n\n    /** The set of options that were used to create this regular expression. */\n    public actual val
options: Set<RegexOption> = options.toSet()\n\n    private val nativePattern: RegExp = RegExp(pattern, options.map
{ it.value }.joinToString(separator = "\\") + "g")\n\n    /** Indicates whether the regular expression matches the

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entire [input]. *^/n public actual infix fun matches(input: CharSequence): Boolean {/n nativePattern.reset()/n
val match = nativePattern.exec(input.toString())/n return match != null && match.index == 0 &&
nativePattern.lastIndex == input.length/n }/n/n /** Indicates whether the regular expression can find at least one
match in the specified [input]. *//n public actual fun containsMatchIn(input: CharSequence): Boolean {/n
nativePattern.reset()/n return nativePattern.test(input.toString())/n }/n/n /** Returns the first match of a
regular expression in the [input], beginning at the specified [startIndex]./n *//n * @param startIndex An index to
start search with, by default 0. Must be not less than zero and not greater than `input.length`/n * @return An
instance of [MatchResult] if match was found or `null` otherwise./n *//n
@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")/n public actual fun find(input:
CharSequence, startIndex: Int = 0): MatchResult? = nativePattern.findNext(input.toString(), startIndex)/n/n /**/n
* Returns a sequence of all occurrences of a regular expression within the [input] string, beginning at the specified
[startIndex]./n *//n * @sample samples.text.Regexps.findAll/n *//n
@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")/n public actual fun findAll(input:
CharSequence, startIndex: Int = 0): Sequence<MatchResult> =/n generateSequence({ find(input, startIndex) },
{ match -> match.next() })/n/n /**/n * Attempts to match the entire [input] CharSequence against the pattern./n
*//n * @return An instance of [MatchResult] if the entire input matches or `null` otherwise./n *//n public
actual fun matchEntire(input: CharSequence): MatchResult? {/n if (pattern.startsWith('^') &&
pattern.endsWith('$'))/n return find(input)/n else/n return
Regex("^^{pattern.trimStart('^').trimEnd('$')}$", options).find(input)/n }/n/n /**/n * Replaces all
occurrences of this regular expression in the specified [input] string with specified [replacement] expression./n *//n
* @param replacement A replacement expression that can include substitutions. See
[String.prototype.replace](https://developer.mozilla.org/en-
US/docs/Web/JavaScript/Reference/Global_Objects/String/replace) function docs for details./n *//n public
actual fun replace(input: CharSequence, replacement: String): String = input.toString().nativeReplace(nativePattern,
replacement)/n/n /**/n * Replaces all occurrences of this regular expression in the specified [input] string with
the result of/n * the given function [transform] that takes [MatchResult] and returns a string to be used as a/n *
replacement for that match./n *//n public actual inline fun replace(input: CharSequence, transform:
(MatchResult) -> CharSequence): String {/n var match = find(input)/n if (match == null) return
input.toString()/n/n var lastStart = 0/n val length = input.length/n val sb = StringBuilder(length)/n
do {/n val foundMatch = match!!/n sb.append(input, lastStart, foundMatch.range.start)/n
sb.append(transform(foundMatch))/n lastStart = foundMatch.range.endInclusive + 1/n match =
foundMatch.next()/n } while (lastStart < length && match != null)/n/n if (lastStart < length) {/n
sb.append(input, lastStart, length)/n }/n/n return sb.toString()/n }/n/n /**/n * Replaces the first
occurrence of this regular expression in the specified [input] string with specified [replacement] expression./n *//n
* @param replacement A replacement expression that can include substitutions. See
[String.prototype.replace](https://developer.mozilla.org/en-
US/docs/Web/JavaScript/Reference/Global_Objects/String/replace) function docs for details./n *//n public
actual fun replaceFirst(input: CharSequence, replacement: String): String {/n val nonGlobalOptions =
options.map { it.value }.joinToString(separator = "\\")/n return input.toString().nativeReplace(RegExp(pattern,
nonGlobalOptions), replacement)/n }/n/n /**/n * Splits the [input] CharSequence around matches of this
regular expression./n *//n * @param limit Non-negative value specifying the maximum number of substrings
the string can be split to./n * Zero by default means no limit is set./n *//n
@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")/n public actual fun split(input:
CharSequence, limit: Int = 0): List<String> {/n require(limit >= 0) { "Limit must be non-negative, but was
$limit" }/n val matches = findAll(input).let { if (limit == 0) it else it.take(limit - 1) }/n val result =
mutableListOf<String>()/n var lastStart = 0/n for (match in matches) {/n
result.add(input.subSequence(lastStart, match.range.start).toString())/n lastStart = match.range.endInclusive +
1/n }/n result.add(input.subSequence(lastStart, input.length).toString())/n return result/n }/n/n

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/**\n * Returns the string representation of this regular expression, namely the [pattern] of this regular
expression.\n *\n * Note that another regular expression constructed from the same pattern string may have
different [options]\n * and may match strings differently.\n *\n public override fun toString(): String =
nativePattern.toString()\n\n actual companion object {\n /**\n * Returns a regular expression that
matches the specified [literal] string literally.\n * No characters of that string will have special meaning when
searching for an occurrence of the regular expression.\n *\n public actual fun fromLiteral(literal: String):
Regex = Regex(escape(literal))\n\n /**\n * Returns a regular expression pattern string that matches the
specified [literal] string literally.\n * No characters of that string will have special meaning when searching for
an occurrence of the regular expression.\n *\n public actual fun escape(literal: String): String =
literal.nativeReplace(patternEscape, "\\|\\$&\\'|")\n\n /**\n * Returns a literal replacement expression for the
specified [literal] string.\n * No characters of that string will have special meaning when it is used as a
replacement string in [Regex.replace] function.\n *\n public actual fun escapeReplacement(literal: String):
String = literal.nativeReplace(replacementEscape, "\\$\\$\\$")\n\n private val patternEscape = RegExp("\\|\\$[-
\\\\^$*+?.()|[\\]{}]|\\\"|'","g")\n private val replacementEscape = RegExp("\\|\\$\\\"|'","g")\n } }\n\n/**
Creates a regular expression from the specified [pattern] string and the specified single [option].
*\n\n@Deprecated("Provided for binary compatibility", level =
DeprecationLevel.HIDDEN)\n\n@JsName("Regex_sb3q2\\$")\n\npublic fun Regex_0(pattern: String, option:
RegexOption): Regex = Regex(pattern, setOf(option))\n\n/** Creates a regular expression from the specified
[pattern] string and the default options. *\n\n@Deprecated("Provided for binary compatibility", level =
DeprecationLevel.HIDDEN)\n\n@JsName("Regex_61zpoe\\$")\n\npublic fun Regex_1(pattern: String): Regex =
Regex(pattern, emptySet())\n\n\n\n\nprivate fun RegExp.findNext(input: String, from: Int): MatchResult? {\n
this.lastIndex = from\n val match = exec(input)\n if (match == null) return null\n val range =
match.index..lastIndex - 1\n return object : MatchResult {\n override val range: IntRange = range\n
override val value: String\n get() = match[0]!!\n override val groups: MatchGroupCollection = object :
MatchGroupCollection, AbstractCollection<MatchGroup?>() {\n override val size: Int get() = match.length\n
override fun iterator(): Iterator<MatchGroup?> = indices.asSequence().map { this[it] }.iterator()\n
override fun get(index: Int): MatchGroup? = match[index]?.let { MatchGroup(it) } }\n\n\n private var
groupValues_: List<String>? = null\n override val groupValues: List<String>\n get() {\n if
(groupValues_ == null) {\n groupValues_ = object : AbstractList<String>() {\n override
val size: Int get() = match.length\n override fun get(index: Int): String = match[index] ?: ""\n
}\n }\n return groupValues_!!\n }\n\n override fun next(): MatchResult? =
this@findNext.findNext(input, if (range.isEmpty()) range.start + 1 else range.endInclusive + 1)\n }\n\n"}\n\n
Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is
governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\npackage
kotlin.text\n\nimport kotlin.js.RegExp\n\n@kotlin.internal.InlineOnly\n\ninternal actual inline fun
String.nativeIndexOf(ch: Char, fromIndex: Int): Int = nativeIndexOf(ch.toString(),
fromIndex)\n\n\n@kotlin.internal.InlineOnly\n\ninternal actual inline fun String.nativeLastIndexOf(ch: Char,
fromIndex: Int): Int = nativeLastIndexOf(ch.toString(), fromIndex)\n\n\n/**\n * Returns `true` if this string starts with
the specified prefix.\n *\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n\npublic
actual fun String.startsWith(prefix: String, ignoreCase: Boolean = false): Boolean {\n if (!ignoreCase)\n return
nativeStartsWith(prefix, 0)\n else\n return regionMatches(0, prefix, 0, prefix.length, ignoreCase)\n }\n\n\n/**\n *
Returns `true` if a substring of this string starting at the specified offset [startIndex] starts with the specified prefix.\n
*\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n\npublic actual fun
String.startsWith(prefix: String, startIndex: Int, ignoreCase: Boolean = false): Boolean {\n if (!ignoreCase)\n
return nativeStartsWith(prefix, startIndex)\n else\n return regionMatches(startIndex, prefix, 0, prefix.length,
ignoreCase)\n }\n\n\n\n\n/**\n * Returns `true` if this string ends with the specified suffix.\n
*\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n\npublic actual fun
String.endsWith(suffix: String, ignoreCase: Boolean = false): Boolean {\n if (!ignoreCase)\n return

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nativeEndsWith(suffix)\n else\n     return regionMatches(length - suffix.length, suffix, 0, suffix.length,
ignoreCase)\n}\n\npublic fun String.matches(regex: String): Boolean {\n    val result = this.match(regex)\n    return result != null && result.size != 0\n}\n\npublic actual fun CharSequence.isBlank(): Boolean = length == 0 || (if
(this is String) this else
this.toString()).matches("^[\\s\\|\\xA0]+$")\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGU
MENTS")\n\npublic actual fun String?.equals(other: String?, ignoreCase: Boolean = false): Boolean =\n    if (this ==
null)\n        other == null\n    else if (!ignoreCase)\n        this == other\n    else\n        other != null &&
this.toLowerCase() ==
other.toLowerCase()\n\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n\npublic
actual fun CharSequence.regionMatches(thisOffset: Int, other: CharSequence, otherOffset: Int, length: Int,
ignoreCase: Boolean = false): Boolean =\n    regionMatchesImpl(thisOffset, other, otherOffset, length,
ignoreCase)\n\n\n/**\n * Returns a copy of this string having its first letter uppercased, or the original string,\n * if
it's empty or already starts with an upper case letter.\n * @sample samples.text.Strings.capitalize\n */\n\npublic
actual fun String.capitalize(): String {\n    return if (isEmpty()) substring(0, 1).toUpperCase() + substring(1) else
this\n}\n\n\n/**\n * Returns a copy of this string having its first letter lowercased, or the original string,\n * if it's
empty or already starts with a lower case letter.\n * @sample samples.text.Strings.decapitalize\n */\n\npublic
actual fun String.decapitalize(): String {\n    return if (isEmpty()) substring(0, 1).toLowerCase() + substring(1)
else this\n}\n\n\n/**\n * Returns a string containing this char sequence repeated [n] times.\n * @throws
[IllegalArgumentException] when n < 0.\n */\n\npublic actual fun CharSequence.repeat(n: Int): String {\n    require(n
>= 0) { "Count 'n' must be non-negative, but was $n." }\n    return when (n) {\n        0 -> ""\n        1 ->
this.toString()\n        else -> {\n            var result = ""\n            if (!isEmpty()) {\n                var s =
this.toString()\n                var count = n\n                while (true) {\n                    if ((count and 1) == 1) {\n
                        result += s\n                    }\n                    count = count ushr 1\n                    if
(count == 0) {\n                        break\n                    }\n                    s += s\n                }\n            }
\n            return result\n        }\n    }\n}\n\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n\npublic actual fun
String.replace(oldValue: String, newValue: String, ignoreCase: Boolean = false): String =\n    nativeReplace(RegExp(Regex.escape(oldValue), if (ignoreCase) "gi" else "g"),
Regex.escapeReplacement(newValue))\n\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENT
S")\n\npublic actual fun String.replace(oldChar: Char, newChar: Char, ignoreCase: Boolean = false): String =\n    nativeReplace(RegExp(Regex.escape(oldChar.toString()), if (ignoreCase) "gi" else "g"),
newChar.toString())\n\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENTS")\n\npublic actual
fun String.replaceFirst(oldValue: String, newValue: String, ignoreCase: Boolean = false): String =\n    nativeReplace(RegExp(Regex.escape(oldValue), if (ignoreCase) "i" else ""),
Regex.escapeReplacement(newValue))\n\n\n@Suppress("ACTUAL_FUNCTION_WITH_DEFAULT_ARGUMENT
S")\n\npublic actual fun String.replaceFirst(oldChar: Char, newChar: Char, ignoreCase: Boolean = false): String =\n    nativeReplace(RegExp(Regex.escape(oldChar.toString()), if (ignoreCase) "i" else ""),
newChar.toString())\n\n\n/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.text\n\n\npublic actual interface Appendable {\n    public actual
fun append(csq: CharSequence?): Appendable\n    public actual fun append(csq: CharSequence?, start: Int, end: Int):
Appendable\n    public actual fun append(c: Char): Appendable\n}\n\n\npublic actual class StringBuilder(content:
String = "") : Appendable, CharSequence {\n    actual constructor(capacity: Int) : this() {\n\n        actual
constructor(content: CharSequence) : this(content.toString()) {\n\n            actual constructor() : this("")\n\n            private
var string: String = content\n\n            actual override val length: Int\n                get() = string.asDynamic().length\n\n            actual
override fun get(index: Int): Char =\n                string.getOrNull(index) { throw IndexOutOfBoundsException("index:
$index, length: $length")} }\n\n            actual override fun subSequence(startIndex: Int, endIndex: Int): CharSequence =
string.substring(startIndex, endIndex)\n\n            actual override fun append(c: Char): StringBuilder {\n                string += c\n                return this\n            }\n\n            actual override fun append(csq: CharSequence?): StringBuilder {\n                string +=

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csq.toString() return this } actual override fun append(csq: CharSequence?, start: Int, end: Int):
StringBuilder { string += csq.toString().substring(start, end) return this } actual fun
append(obj: Any?): StringBuilder { string += obj.toString() return this } actual fun reverse():
StringBuilder { string = string.asDynamic().split("").reverse().join("") return this } /**
 * Clears the content of this string builder making it empty.
 */
@sample
samples.text.Strings.clearStringBuilder
 * @SinceKotlin("1.3") public fun clear(): StringBuilder {
 string = "" return this } override fun toString(): String = string
 * Clears the content
of this string builder making it empty.
 */
@sample samples.text.Strings.clearStringBuilder
 * @SinceKotlin("1.3") @Suppress("EXTENSION_SHADOWED_BY_MEMBER",
"NOTHING_TO_INLINE") public actual inline fun StringBuilder.clear(): StringBuilder = this.clear()
 * The exception thrown when a character encoding or decoding error occurs.
 */
@SinceKotlin("1.3") @ExperimentalStdlibApi public actual open class
CharacterCodingException(message: String?) : Exception(message) {
 actual constructor() : this(null) }
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is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
 */
package
kotlin.text
 /** Returns the negative [size] if [throwOnMalformed] is false, throws [CharacterCodingException]
otherwise.
 */
@UseExperimental(ExperimentalStdlibApi::class) private fun malformed(size: Int, index: Int,
throwOnMalformed: Boolean): Int {
 if (throwOnMalformed) throw CharacterCodingException("Malformed
sequence starting at ${index - 1}")
 return -size }
 * Returns code point corresponding to UTF-16
surrogate pair,
 * where the first of the pair is the [high] and the second is in the [string] at the [index].
 * Returns
zero if the pair is malformed and [throwOnMalformed] is false.
 */
@throws CharacterCodingException if the
pair is malformed and [throwOnMalformed] is true.
 */
private fun codePointFromSurrogate(string: String, high:
Int, index: Int, endIndex: Int, throwOnMalformed: Boolean): Int {
 if (high !in 0xD800..0xDBFF || index >=
endIndex) {
 return malformed(0, index, throwOnMalformed)
 }
 val low = string[index].toInt()
 if
(low !in 0xDC00..0xDFFF) {
 return malformed(0, index, throwOnMalformed)
 }
 return 0x10000 +
((high and 0x3FF) shl 10) or (low and 0x3FF) }
 * Returns code point corresponding to UTF-8 sequence of
two bytes,
 * where the first byte of the sequence is the [byte1] and the second byte is in the [bytes] array at the
[index].
 * Returns zero if the sequence is malformed and [throwOnMalformed] is false.
 */
@throws
CharacterCodingException if the sequence of two bytes is malformed and [throwOnMalformed] is true.
 */
private fun codePointFrom2(bytes: ByteArray, byte1: Int, index: Int, endIndex: Int, throwOnMalformed:
Boolean): Int {
 if (byte1 and 0x1E == 0 || index >= endIndex) {
 return malformed(0, index,
throwOnMalformed)
 }
 val byte2 = bytes[index].toInt()
 if (byte2 and 0xC0 != 0x80) {
 return
malformed(0, index, throwOnMalformed)
 }
 return (byte1 shl 6) xor byte2 xor 0xF80 }
 * Returns
code point corresponding to UTF-8 sequence of three bytes,
 * where the first byte of the sequence is the [byte1]
and the others are in the [bytes] array starting from the [index].
 * Returns a non-positive value indicating number
of bytes from [bytes] included in malformed sequence
 * if the sequence is malformed and [throwOnMalformed] is
false.
 */
@throws CharacterCodingException if the sequence of three bytes is malformed and
[throwOnMalformed] is true.
 */
private fun codePointFrom3(bytes: ByteArray, byte1: Int, index: Int, endIndex:
Int, throwOnMalformed: Boolean): Int {
 if (index >= endIndex) {
 return malformed(0, index,
throwOnMalformed)
 }
 val byte2 = bytes[index].toInt()
 if (byte1 and 0xF == 0) {
 if (byte2 and
0xE0 != 0xA0) {
 // Non-shortest form
 return malformed(0, index, throwOnMalformed)
 }
 }
 else if (byte1 and 0xF == 0xD) {
 if (byte2 and 0xE0 != 0x80) {
 // Surrogate code point
 return malformed(0, index, throwOnMalformed)
 }
 }
 else if (byte2 and 0xC0 != 0x80) {
 return
malformed(0, index, throwOnMalformed)
 }
 val byte3 = bytes[index + 1].toInt()
 if (byte3 and 0xC0 != 0x80) {
 return
malformed(1, index, throwOnMalformed)
 }
 val byte4 = bytes[index + 2].toInt()
 if (byte4 and 0xC0 != 0x80) {
 return
malformed(1, index, throwOnMalformed)
 }
 return (byte1 shl 12) xor (byte2 shl 6) xor byte3 xor -
0x1E080 }
 * Returns code point corresponding to UTF-8 sequence of four bytes,
 * where the first byte
of the sequence is the [byte1] and the others are in the [bytes] array starting from the [index].
 * Returns a non-

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positive value indicating number of bytes from [bytes] included in malformed sequence\n * if the sequence is
malformed and [throwOnMalformed] is false.\n *\n * @throws CharacterCodingException if the sequence of four
bytes is malformed and [throwOnMalformed] is true.\n *\nprivate fun codePointFrom4(bytes: ByteArray, byte1:
Int, index: Int, endIndex: Int, throwOnMalformed: Boolean): Int {\n    if (index >= endIndex) {\n        malformed(0,
index, throwOnMalformed)\n    }\n    val byte2 = bytes[index].toInt()\n    if (byte1 and 0xF == 0x0) {\n        if
(byte2 and 0xF0 <= 0x80) {\n            // Non-shortest form\n            return malformed(0, index,
throwOnMalformed)\n        }\n    } else if (byte1 and 0xF == 0x4) {\n        if (byte2 and 0xF0 != 0x80) {\n            //
Out of Unicode code points domain (larger than U+10FFFF)\n            return malformed(0, index,
throwOnMalformed)\n        }\n    } else if (byte1 and 0xF > 0x4) {\n        return malformed(0, index,
throwOnMalformed)\n    } else if (byte2 and 0xC0 != 0x80) {\n        return malformed(0, index,
throwOnMalformed)\n    }\n    if (index + 1 == endIndex) {\n        return malformed(1, index,
throwOnMalformed)\n    }\n    val byte3 = bytes[index + 1].toInt()\n    if (byte3 and 0xC0 != 0x80) {\n        return
malformed(1, index, throwOnMalformed)\n    }\n    if (index + 2 == endIndex) {\n        return malformed(2, index,
throwOnMalformed)\n    }\n    val byte4 = bytes[index + 2].toInt()\n    if (byte4 and 0xC0 != 0x80) {\n        return
malformed(2, index, throwOnMalformed)\n    }\n    return (byte1 shl 18) xor (byte2 shl 12) xor (byte3 shl 6) xor
byte4 xor 0x381F80)\n}\n\n/**\n * Maximum number of bytes needed to encode a single char.\n *\n * Code points in
`0..0x7F` are encoded in a single byte.\n * Code points in `0x80..0x7FF` are encoded in two bytes.\n * Code points
in `0x800..0xD7FF` or in `0xE000..0xFFFF` are encoded in three bytes.\n * Surrogate code points in
`0xD800..0xDFFF` are not Unicode scalar values, therefore aren't encoded.\n * Code points in
`0x10000..0x10FFFF` are represented by a pair of surrogate `Char`s and are encoded in four bytes.\n *\nprivate
const val MAX_BYTES_PER_CHAR = 3\n\n/**\n * The byte sequence a malformed UTF-16 char sequence is
replaced by.\n *\nprivate val REPLACEMENT_BYTE_SEQUENCE: ByteArray = byteArrayOf(0xEF.toByte(),
0xBF.toByte(), 0xBD.toByte())\n\n/**\n * Encodes the [string] using UTF-8 and returns the resulting [ByteArray].\n
*\n * @param string the string to encode.\n * @param startIndex the start offset (inclusive) of the substring to
encode.\n * @param endIndex the end offset (exclusive) of the substring to encode.\n * @param
throwOnMalformed whether to throw on malformed char sequence or replace by the
[REPLACEMENT_BYTE_SEQUENCE].\n *\n * @throws CharacterCodingException if the char sequence is
malformed and [throwOnMalformed] is true.\n *\ninternal fun encodeUtf8(string: String, startIndex: Int, endIndex:
Int, throwOnMalformed: Boolean): ByteArray {\n    require(startIndex >= 0 && endIndex <= string.length &&
startIndex <= endIndex)\n    val bytes = ByteArray((endIndex - startIndex) * MAX_BYTES_PER_CHAR)\n    var
byteIndex = 0\n    var charIndex = startIndex\n    while (charIndex < endIndex) {\n        val code =
string[charIndex++].toInt()\n        when {\n            code < 0x80 -> bytes[byteIndex++] = code.toByte()\n
            code < 0x800 -> {\n                bytes[byteIndex++] = ((code shr 6) or 0xC0).toByte()\n
                bytes[byteIndex++] = ((code and 0x3F) or 0x80).toByte()\n            }\n            code < 0xD800 || code >= 0xE000 ->
{\n                bytes[byteIndex++] = ((code shr 12) or 0xE0).toByte()\n                bytes[byteIndex++] = (((code shr 6)
and 0x3F) or 0x80).toByte()\n                bytes[byteIndex++] = ((code and 0x3F) or 0x80).toByte()\n            }\n
            else -> { // Surrogate char value\n                val codePoint = codePointFromSurrogate(string, code, charIndex,
endIndex, throwOnMalformed)\n                if (codePoint <= 0) {\n                    bytes[byteIndex++] =
REPLACEMENT_BYTE_SEQUENCE[0]\n                    bytes[byteIndex++] =
REPLACEMENT_BYTE_SEQUENCE[1]\n                    bytes[byteIndex++] =
REPLACEMENT_BYTE_SEQUENCE[2]\n                } else {\n                    bytes[byteIndex++] = ((codePoint shr
18) or 0xF0).toByte()\n                    bytes[byteIndex++] = (((codePoint shr 12) and 0x3F) or 0x80).toByte()\n
                    bytes[byteIndex++] = (((codePoint shr 6) and 0x3F) or 0x80).toByte()\n                    bytes[byteIndex++] =
(((codePoint and 0x3F) or 0x80).toByte()\n                    charIndex++\n                }\n            }\n        }\n    }\n    return if (bytes.size == byteIndex) bytes else bytes.copyOf(byteIndex)\n}\n\n/**\n * The character a malformed
UTF-8 byte sequence is replaced by.\n *\nprivate const val REPLACEMENT_CHAR = "\\uFFFF"\n\n/**\n * Decodes the UTF-8 [bytes] array and returns the resulting [String].\n *\n * @param bytes the byte array to decode.\n
* @param startIndex the start offset (inclusive) of the array to be decoded.\n * @param endIndex the end offset

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(exclusive) of the array to be encoded.\n * @param throwOnMalformed whether to throw on malformed byte
sequence or replace by the [REPLACEMENT_CHAR].\n * @throws CharacterCodingException if the array is
malformed UTF-8 byte sequence and [throwOnMalformed] is true.\n */\ninternal fun decodeUtf8(bytes: ByteArray,
startIndex: Int, endIndex: Int, throwOnMalformed: Boolean): String {\n    require(startIndex >= 0 && endIndex <=
bytes.size && startIndex <= endIndex)\n    var byteIndex = startIndex\n    val stringBuilder = StringBuilder()\n    while (byteIndex < endIndex) {\n        val byte = bytes[byteIndex++].toInt()\n        when {\n            byte >= 0 ->\n                stringBuilder.append(byte.toChar())\n            byte shr 5 == -2 -> {\n                val code =
codePointFrom2(bytes, byte, byteIndex, endIndex, throwOnMalformed)\n                if (code <= 0) {\n
stringBuilder.append(REPLACEMENT_CHAR)\n                byteIndex += -code\n            } else {\n
stringBuilder.append(code.toChar())\n                byteIndex += 1\n            }\n        }\n        byte shr 4 == -2 -
> {\n            val code = codePointFrom3(bytes, byte, byteIndex, endIndex, throwOnMalformed)\n            if
(code <= 0) {\n                stringBuilder.append(REPLACEMENT_CHAR)\n                byteIndex += -code\n
            } else {\n                stringBuilder.append(code.toChar())\n                byteIndex += 2\n            }\n
        }\n        byte shr 3 == -2 -> {\n            val code = codePointFrom4(bytes, byte, byteIndex, endIndex,
throwOnMalformed)\n            if (code <= 0) {\n                stringBuilder.append(REPLACEMENT_CHAR)\n
                byteIndex += -code\n            } else {\n                val high = (code - 0x10000) shr 10 or 0xD800\n
                val low = (code and 0x3FF) or 0xDC00\n                stringBuilder.append(high.toChar())\n
stringBuilder.append(low.toChar())\n                byteIndex += 3\n            }\n        }\n        else -> {\n
malformed(0, byteIndex, throwOnMalformed)\n                stringBuilder.append(REPLACEMENT_CHAR)\n
            }\n        }\n    }\n    return stringBuilder.toString()\n}"/**\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\npackage
kotlin.time\n\n@SinceKotlin("1.3")\n@ExperimentalTime\npublic actual enum class DurationUnit(internal val
scale: Double) {\n    /**\n     * Time unit representing one nanosecond, which is 1/1000 of a microsecond.\n     */\n
    NANOSECONDS(1e0),\n    /**\n     * Time unit representing one microsecond, which is 1/1000 of a millisecond.\n     */\n
    MICROSECONDS(1e3),\n    /**\n     * Time unit representing one millisecond, which is 1/1000 of a
second.\n     */\n    MILLISECONDS(1e6),\n    /**\n     * Time unit representing one second.\n     */\n
    SECONDS(1e9),\n    /**\n     * Time unit representing one minute.\n     */\n    MINUTES(60e9),\n    /**\n     * Time
unit representing one hour.\n     */\n    HOURS(3600e9),\n    /**\n     * Time unit representing one day, which is
always equal to 24 hours.\n     */\n    DAYS(86400e9);\n}\n\n@SinceKotlin("1.3")\n@ExperimentalTime\ninternal
actual fun convertDurationUnit(value: Double, sourceUnit: DurationUnit, targetUnit: DurationUnit): Double {\n
    val sourceCompareTarget = sourceUnit.scale.compareTo(targetUnit.scale)\n    return when {\n
        sourceCompareTarget > 0 -> value * (sourceUnit.scale / targetUnit.scale)\n        sourceCompareTarget < 0 -> value /
(targetUnit.scale / sourceUnit.scale)\n        else -> value\n    }\n}"/**\n * Copyright 2010-2019 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.time\n\nimport
org.w3c.performance.GlobalPerformance\nimport
org.w3c.performance.Performance\n\n@SinceKotlin("1.3")\n@ExperimentalTime\npublic actual object
MonoClock : Clock {\n    private val actualClock: Clock = run {\n        val isNode: Boolean = js{"typeof process
!= 'undefined' && process.versions && !process.versions.node"}\n        if (isNode)\n            HrTimeClock(js{"process"}.unsafeCast<Process>())\n        else\n
            js{"self"}.unsafeCast<GlobalPerformance?>()?.performance?.let(::PerformanceClock)\n        }:\n
    }\n    override fun markNow(): ClockMark = actualClock.markNow()\n}\n\ninternal
external interface Process {\n    fun hrtime(time: Array<Double> = definedExternally):
Array<Double>\n}\n\n@SinceKotlin("1.3")\n@ExperimentalTime\ninternal class HrTimeClock(val process:
Process) : Clock {\n    override fun markNow(): ClockMark = object : ClockMark() {\n        val startedAt =
process.hrtime()\n        override fun elapsedNow(): Duration =\n            process.hrtime(startedAt).let { (seconds,
nanos) -> seconds.seconds + nanos.nanoseconds }\n    }\n    override fun toString(): String =

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\Clock(process.hrtime())\n}\n\n@SinceKotlin("1.3")\n@ExperimentalTime\ninternal class
PerformanceClock(val performance: Performance) : AbstractDoubleClock(unit = DurationUnit.MILLISECONDS)
{\n  override fun read(): Double = performance.now()\n  override fun toString(): String =
\Clock(self.performance.now())\n}\n\n@SinceKotlin("1.3")\n@ExperimentalTime\ninternal object
DateNowClock : AbstractDoubleClock(unit = DurationUnit.MILLISECONDS) {\n  override fun read(): Double =
kotlin.js.Date.now()\n  override fun toString(): String = "\Clock(Date.now())\n}", "/*\n * Copyright 2010-2019
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.time\n\nimport
kotlin.js.json\nimport kotlin.math.*\n\ninternal actual fun formatToExactDecimals(value: Double, decimals: Int):
String {\n  val rounded = if (decimals == 0) {\n    value\n  } else {\n    val pow = 10.0.pow(decimals)\n
@Suppress("DEPRECATION", "DEPRECATION_ERROR")\n    kotlin.js.Math.round(abs(value) * pow) /
pow * sign(value)\n  }\n  return rounded.asDynamic().toFixed(decimals).unsafeCast<String>()\n}\n\ninternal
actual fun formatUpToDecimals(value: Double, decimals: Int): String {\n  return
value.asDynamic().toLocaleString("en-us", json("maximumFractionDigits" to
decimals)).unsafeCast<String>()\n}\n\ninternal actual fun formatScientific(value: Double): String {\n  return
value.asDynamic().toExponential(2).unsafeCast<String>()\n}", "/*\n * Copyright 2010-2019 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT
EDIT!\n// See github.com/kotlin/dukat for details\n\npackage org.khronos.webgl\n\nimport kotlin.js.*\nimport
org.w3c.css.masking.*\nimport org.w3c.dom.*\nimport org.w3c.dom.clipboard.*\nimport
org.w3c.dom.css.*\nimport org.w3c.dom.events.*\nimport org.w3c.dom.mediacapture.*\nimport
org.w3c.dom.parsing.*\nimport org.w3c.dom.pointerevents.*\nimport org.w3c.dom.svg.*\nimport
org.w3c.dom.url.*\nimport org.w3c.fetch.*\nimport org.w3c.files.*\nimport org.w3c.notifications.*\nimport
org.w3c.performance.*\nimport org.w3c.workers.*\nimport org.w3c.xhr.*\n\npublic external interface
WebGLContextAttributes {\n  var alpha: Boolean? /* = true */\n    get() = definedExternally\n    set(value) =
definedExternally\n  var depth: Boolean? /* = true */\n    get() = definedExternally\n    set(value) =
definedExternally\n  var stencil: Boolean? /* = false */\n    get() = definedExternally\n    set(value) =
definedExternally\n  var antialias: Boolean? /* = true */\n    get() = definedExternally\n    set(value) =
definedExternally\n  var premultipliedAlpha: Boolean? /* = true */\n    get() = definedExternally\n
set(value) = definedExternally\n  var preserveDrawingBuffer: Boolean? /* = false */\n    get() =
definedExternally\n    set(value) = definedExternally\n  var preferLowPowerToHighPerformance: Boolean? /* =
false */\n    get() = definedExternally\n    set(value) = definedExternally\n  var failIfMajorPerformanceCaveat:
Boolean? /* = false */\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun WebGLContextAttributes(alpha: Boolean? =
true, depth: Boolean? = true, stencil: Boolean? = false, antialias: Boolean? = true, premultipliedAlpha: Boolean? =
true, preserveDrawingBuffer: Boolean? = false, preferLowPowerToHighPerformance: Boolean? = false,
failIfMajorPerformanceCaveat: Boolean? = false): WebGLContextAttributes {\n  val o = js("{}")\n
o["alpha"] = alpha\n  o["depth"] = depth\n  o["stencil"] = stencil\n  o["antialias"] = antialias\n
o["premultipliedAlpha"] = premultipliedAlpha\n  o["preserveDrawingBuffer"] = preserveDrawingBuffer\n
o["preferLowPowerToHighPerformance"] = preferLowPowerToHighPerformance\n
o["failIfMajorPerformanceCaveat"] = failIfMajorPerformanceCaveat\n  return o\n}\n\npublic external abstract
class WebGLObject\n\n/**\n * Exposes the JavaScript
[WebGLBuffer](https://developer.mozilla.org/en/docs/Web/API/WebGLBuffer) to Kotlin\n */\npublic external
abstract class WebGLBuffer : WebGLObject\n\n/**\n * Exposes the JavaScript
[WebGLFramebuffer](https://developer.mozilla.org/en/docs/Web/API/WebGLFramebuffer) to Kotlin\n */\npublic
external abstract class WebGLFramebuffer : WebGLObject\n\n/**\n * Exposes the JavaScript
[WebGLProgram](https://developer.mozilla.org/en/docs/Web/API/WebGLProgram) to Kotlin\n */\npublic external
abstract class WebGLProgram : WebGLObject\n\n/**\n * Exposes the JavaScript

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[WebGLRenderbuffer](https://developer.mozilla.org/en/docs/Web/API/WebGLRenderbuffer) to Kotlin\n *\npublic external abstract class WebGLRenderbuffer : WebGLObject\n\n**\n * Exposes the JavaScript

[WebGLShader](https://developer.mozilla.org/en/docs/Web/API/WebGLShader) to Kotlin\n *\npublic external abstract class WebGLShader : WebGLObject\n\n**\n * Exposes the JavaScript

[WebGLTexture](https://developer.mozilla.org/en/docs/Web/API/WebGLTexture) to Kotlin\n *\npublic external abstract class WebGLTexture : WebGLObject\n\n**\n * Exposes the JavaScript

[WebGLUniformLocation](https://developer.mozilla.org/en/docs/Web/API/WebGLUniformLocation) to Kotlin\n *\npublic external abstract class WebGLUniformLocation\n\n**\n * Exposes the JavaScript

[WebGLActiveInfo](https://developer.mozilla.org/en/docs/Web/API/WebGLActiveInfo) to Kotlin\n *\npublic external abstract class WebGLActiveInfo {\n open val size: Int\n open val type: Int\n open val name: String\n}\n\n**\n * Exposes the JavaScript

[WebGLShaderPrecisionFormat](https://developer.mozilla.org/en/docs/Web/API/WebGLShaderPrecisionFormat) to Kotlin\n *\npublic external abstract class WebGLShaderPrecisionFormat {\n open val rangeMin: Int\n open val rangeMax: Int\n open val precision: Int\n}\n\n\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface WebGLRenderingContextBase {\n val canvas: HTMLCanvasElement\n val drawingBufferWidth: Int\n val drawingBufferHeight: Int\n fun getContextAttributes(): WebGLContextAttributes?\n fun isContextLost(): Boolean\n fun getSupportedExtensions(): Array<String>?\n fun getExtension(name: String): dynamic\n fun activeTexture(texture: Int)\n fun attachShader(program: WebGLProgram?, shader: WebGLShader?)\n fun bindAttribLocation(program: WebGLProgram?, index: Int, name: String)\n fun bindBuffer(target: Int, buffer: WebGLBuffer?)\n fun bindFramebuffer(target: Int, framebuffer: WebGLFramebuffer?)\n fun bindRenderbuffer(target: Int, renderbuffer: WebGLRenderbuffer?)\n fun bindTexture(target: Int, texture: WebGLTexture?)\n fun blendColor(red: Float, green: Float, blue: Float, alpha: Float)\n fun blendEquation(mode: Int)\n fun blendEquationSeparate(modeRGB: Int, modeAlpha: Int)\n fun blendFunc(sfactor: Int, dfactor: Int)\n fun blendFuncSeparate(srcRGB: Int, dstRGB: Int, srcAlpha: Int, dstAlpha: Int)\n fun bufferData(target: Int, size: Int, usage: Int)\n fun bufferData(target: Int, data: BufferDataSource?, usage: Int)\n fun bufferSubData(target: Int, offset: Int, data: BufferDataSource?)\n fun checkFramebufferStatus(target: Int): Int\n fun clear(mask: Int)\n fun clearColor(red: Float, green: Float, blue: Float, alpha: Float)\n fun clearDepth(depth: Float)\n fun clearStencil(s: Int)\n fun colorMask(red: Boolean, green: Boolean, blue: Boolean, alpha: Boolean)\n fun compileShader(shader: WebGLShader?)\n fun compressedTexImage2D(target: Int, level: Int, internalformat: Int, width: Int, height: Int, border: Int, data: ArrayBufferView)\n fun compressedTexSubImage2D(target: Int, level: Int, xoffset: Int, yoffset: Int, width: Int, height: Int, format: Int, data: ArrayBufferView)\n fun copyTexImage2D(target: Int, level: Int, internalformat: Int, x: Int, y: Int, width: Int, height: Int, border: Int)\n fun copyTexSubImage2D(target: Int, level: Int, xoffset: Int, yoffset: Int, x: Int, y: Int, width: Int, height: Int)\n fun createBuffer(): WebGLBuffer?\n fun createFramebuffer(): WebGLFramebuffer?\n fun createProgram(): WebGLProgram?\n fun createRenderbuffer(): WebGLRenderbuffer?\n fun createShader(type: Int): WebGLShader?\n fun createTexture(): WebGLTexture?\n fun cullFace(mode: Int)\n fun deleteBuffer(buffer: WebGLBuffer?)\n fun deleteFramebuffer(framebuffer: WebGLFramebuffer?)\n fun deleteProgram(program: WebGLProgram?)\n fun deleteRenderbuffer(renderbuffer: WebGLRenderbuffer?)\n fun deleteShader(shader: WebGLShader?)\n fun deleteTexture(texture: WebGLTexture?)\n fun depthFunc(func: Int)\n fun depthMask(flag: Boolean)\n fun depthRange(zNear: Float, zFar: Float)\n fun detachShader(program: WebGLProgram?, shader: WebGLShader?)\n fun disable(cap: Int)\n fun disableVertexAttribArray(index: Int)\n fun drawArrays(mode: Int, first: Int, count: Int)\n fun drawElements(mode: Int, count: Int, type: Int, offset: Int)\n fun enable(cap: Int)\n fun enableVertexAttribArray(index: Int)\n fun finish()\n fun flush()\n fun framebufferRenderbuffer(target: Int, attachment: Int, renderbuffertarget: Int, renderbuffer: WebGLRenderbuffer?)\n fun framebufferTexture2D(target: Int, attachment: Int, textarget: Int, texture: WebGLTexture?, level: Int)\n fun frontFace(mode: Int)\n fun generateMipmap(target: Int)\n fun getActiveAttrib(program: WebGLProgram?, index: Int): WebGLActiveInfo?\n

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fun getActiveUniform(program: WebGLProgram?, index: Int): WebGLActiveInfo?\n fun
getAttachedShaders(program: WebGLProgram?): Array<WebGLShader>?\n fun getAttribLocation(program:
WebGLProgram?, name: String): Int\n fun getBufferParameter(target: Int, pname: Int): Any?\n fun
getParameter(pname: Int): Any?\n fun getError(): Int\n fun getFramebufferAttachmentParameter(target: Int,
attachment: Int, pname: Int): Any?\n fun getProgramParameter(program: WebGLProgram?, pname: Int): Any?\n
fun getProgramInfoLog(program: WebGLProgram?): String?\n fun getRenderbufferParameter(target: Int, pname:
Int): Any?\n fun getShaderParameter(shader: WebGLShader?, pname: Int): Any?\n fun
getShaderPrecisionFormat(shader: WebGLShader?, precisiontype: Int): WebGLShaderPrecisionFormat?\n fun
getShaderInfoLog(shader: WebGLShader?): String?\n fun getShaderSource(shader: WebGLShader?): String?\n
fun getTexParameter(target: Int, pname: Int): Any?\n fun getUniform(program: WebGLProgram?, location:
WebGLUniformLocation?): Any?\n fun getUniformLocation(program: WebGLProgram?, name: String):
WebGLUniformLocation?\n fun getVertexAttrib(index: Int, pname: Int): Any?\n fun
getVertexAttribOffset(index: Int, pname: Int): Int\n fun hint(target: Int, mode: Int)\n fun isBuffer(buffer:
WebGLBuffer?): Boolean\n fun isEnabled(cap: Int): Boolean\n fun isFramebuffer(framebuffer:
WebGLFramebuffer?): Boolean\n fun isProgram(program: WebGLProgram?): Boolean\n fun
isRenderbuffer(renderbuffer: WebGLRenderbuffer?): Boolean\n fun isShader(shader: WebGLShader?): Boolean\n
fun isTexture(texture: WebGLTexture?): Boolean\n fun lineWidth(width: Float)\n fun linkProgram(program:
WebGLProgram?)\n fun pixelStorei(pname: Int, param: Int)\n fun polygonOffset(factor: Float, units: Float)\n
fun readPixels(x: Int, y: Int, width: Int, height: Int, format: Int, type: Int, pixels: ArrayBufferView?)\n fun
renderbufferStorage(target: Int, internalformat: Int, width: Int, height: Int)\n fun sampleCoverage(value: Float,
invert: Boolean)\n fun scissor(x: Int, y: Int, width: Int, height: Int)\n fun shaderSource(shader: WebGLShader?,
source: String)\n fun stencilFunc(func: Int, ref: Int, mask: Int)\n fun stencilFuncSeparate(face: Int, func: Int, ref:
Int, mask: Int)\n fun stencilMask(mask: Int)\n fun stencilMaskSeparate(face: Int, mask: Int)\n fun
stencilOp(fail: Int, zfail: Int, zpass: Int)\n fun stencilOpSeparate(face: Int, fail: Int, zfail: Int, zpass: Int)\n fun
texImage2D(target: Int, level: Int, internalformat: Int, width: Int, height: Int, border: Int, format: Int, type: Int, pixels:
ArrayBufferView?)\n fun texImage2D(target: Int, level: Int, internalformat: Int, format: Int, type: Int, source:
TexImageSource?)\n fun texParameterf(target: Int, pname: Int, param: Float)\n fun texParameteri(target: Int,
pname: Int, param: Int)\n fun texSubImage2D(target: Int, level: Int, xoffset: Int, yoffset: Int, width: Int, height: Int,
format: Int, type: Int, pixels: ArrayBufferView?)\n fun texSubImage2D(target: Int, level: Int, xoffset: Int, yoffset:
Int, format: Int, type: Int, source: TexImageSource?)\n fun uniform1f(location: WebGLUniformLocation?, x:
Float)\n fun uniform1fv(location: WebGLUniformLocation?, v: Float32Array)\n fun uniform1fv(location:
WebGLUniformLocation?, v: Array<Float>)\n fun uniform1i(location: WebGLUniformLocation?, x: Int)\n fun
uniform1iv(location: WebGLUniformLocation?, v: Int32Array)\n fun uniform1iv(location:
WebGLUniformLocation?, v: Array<Int>)\n fun uniform2f(location: WebGLUniformLocation?, x: Float, y:
Float)\n fun uniform2fv(location: WebGLUniformLocation?, v: Float32Array)\n fun uniform2fv(location:
WebGLUniformLocation?, v: Array<Float>)\n fun uniform2i(location: WebGLUniformLocation?, x: Int, y: Int)\n
fun uniform2iv(location: WebGLUniformLocation?, v: Int32Array)\n fun uniform2iv(location:
WebGLUniformLocation?, v: Array<Int>)\n fun uniform3f(location: WebGLUniformLocation?, x: Float, y: Float,
z: Float)\n fun uniform3fv(location: WebGLUniformLocation?, v: Float32Array)\n fun uniform3fv(location:
WebGLUniformLocation?, v: Array<Float>)\n fun uniform3i(location: WebGLUniformLocation?, x: Int, y: Int, z:
Int)\n fun uniform3iv(location: WebGLUniformLocation?, v: Int32Array)\n fun uniform3iv(location:
WebGLUniformLocation?, v: Array<Int>)\n fun uniform4f(location: WebGLUniformLocation?, x: Float, y: Float,
z: Float, w: Float)\n fun uniform4fv(location: WebGLUniformLocation?, v: Float32Array)\n fun
uniform4fv(location: WebGLUniformLocation?, v: Array<Float>)\n fun uniform4i(location:
WebGLUniformLocation?, x: Int, y: Int, z: Int, w: Int)\n fun uniform4iv(location: WebGLUniformLocation?, v:
Int32Array)\n fun uniform4iv(location: WebGLUniformLocation?, v: Array<Int>)\n fun
uniformMatrix2fv(location: WebGLUniformLocation?, transpose: Boolean, value: Float32Array)\n fun
uniformMatrix2fv(location: WebGLUniformLocation?, transpose: Boolean, value: Array<Float>)\n fun

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uniformMatrix3fv(location: WebGLUniformLocation?, transpose: Boolean, value: Float32Array)\n fun
uniformMatrix3fv(location: WebGLUniformLocation?, transpose: Boolean, value: Array<Float>)\n fun
uniformMatrix4fv(location: WebGLUniformLocation?, transpose: Boolean, value: Float32Array)\n fun
uniformMatrix4fv(location: WebGLUniformLocation?, transpose: Boolean, value: Array<Float>)\n fun
useProgram(program: WebGLProgram?)\n fun validateProgram(program: WebGLProgram?)\n fun
vertexAttrib1f(index: Int, x: Float)\n fun vertexAttrib1fv(index: Int, values: dynamic)\n fun
vertexAttrib2f(index: Int, x: Float, y: Float)\n fun vertexAttrib2fv(index: Int, values: dynamic)\n fun
vertexAttrib3f(index: Int, x: Float, y: Float, z: Float)\n fun vertexAttrib3fv(index: Int, values: dynamic)\n fun
vertexAttrib4f(index: Int, x: Float, y: Float, z: Float, w: Float)\n fun vertexAttrib4fv(index: Int, values: dynamic)\n
fun vertexAttribPointer(index: Int, size: Int, type: Int, normalized: Boolean, stride: Int, offset: Int)\n fun
viewport(x: Int, y: Int, width: Int, height: Int)\n\n companion object {\n    val DEPTH_BUFFER_BIT: Int\n    val STENCIL_BUFFER_BIT: Int\n    val COLOR_BUFFER_BIT: Int\n    val POINTS: Int\n    val LINES:
Int\n    val LINE_LOOP: Int\n    val LINE_STRIP: Int\n    val TRIANGLES: Int\n    val
TRIANGLE_STRIP: Int\n    val TRIANGLE_FAN: Int\n    val ZERO: Int\n    val ONE: Int\n    val
SRC_COLOR: Int\n    val ONE_MINUS_SRC_COLOR: Int\n    val SRC_ALPHA: Int\n    val
ONE_MINUS_SRC_ALPHA: Int\n    val DST_ALPHA: Int\n    val ONE_MINUS_DST_ALPHA: Int\n
val DST_COLOR: Int\n    val ONE_MINUS_DST_COLOR: Int\n    val SRC_ALPHA_SATURATE: Int\n
val FUNC_ADD: Int\n    val BLEND_EQUATION: Int\n    val BLEND_EQUATION_RGB: Int\n    val
BLEND_EQUATION_ALPHA: Int\n    val FUNC_SUBTRACT: Int\n    val FUNC_REVERSE_SUBTRACT:
Int\n    val BLEND_DST_RGB: Int\n    val BLEND_SRC_RGB: Int\n    val BLEND_DST_ALPHA: Int\n
val BLEND_SRC_ALPHA: Int\n    val CONSTANT_COLOR: Int\n    val
ONE_MINUS_CONSTANT_COLOR: Int\n    val CONSTANT_ALPHA: Int\n    val
ONE_MINUS_CONSTANT_ALPHA: Int\n    val BLEND_COLOR: Int\n    val ARRAY_BUFFER: Int\n
val ELEMENT_ARRAY_BUFFER: Int\n    val ARRAY_BUFFER_BINDING: Int\n    val
ELEMENT_ARRAY_BUFFER_BINDING: Int\n    val STREAM_DRAW: Int\n    val STATIC_DRAW: Int\n
val DYNAMIC_DRAW: Int\n    val BUFFER_SIZE: Int\n    val BUFFER_USAGE: Int\n    val
CURRENT_VERTEX_ATTRIB: Int\n    val FRONT: Int\n    val BACK: Int\n    val FRONT_AND_BACK:
Int\n    val CULL_FACE: Int\n    val BLEND: Int\n    val DITHER: Int\n    val STENCIL_TEST: Int\n
val DEPTH_TEST: Int\n    val SCISSOR_TEST: Int\n    val POLYGON_OFFSET_FILL: Int\n    val
SAMPLE_ALPHA_TO_COVERAGE: Int\n    val SAMPLE_COVERAGE: Int\n    val NO_ERROR: Int\n
val INVALID_ENUM: Int\n    val INVALID_VALUE: Int\n    val INVALID_OPERATION: Int\n    val
OUT_OF_MEMORY: Int\n    val CW: Int\n    val CCW: Int\n    val LINE_WIDTH: Int\n    val
ALIASED_POINT_SIZE_RANGE: Int\n    val ALIASED_LINE_WIDTH_RANGE: Int\n    val
CULL_FACE_MODE: Int\n    val FRONT_FACE: Int\n    val DEPTH_RANGE: Int\n    val
DEPTH_WRITEMASK: Int\n    val DEPTH_CLEAR_VALUE: Int\n    val DEPTH_FUNC: Int\n    val
STENCIL_CLEAR_VALUE: Int\n    val STENCIL_FUNC: Int\n    val STENCIL_FAIL: Int\n    val
STENCIL_PASS_DEPTH_FAIL: Int\n    val STENCIL_PASS_DEPTH_PASS: Int\n    val STENCIL_REF:
Int\n    val STENCIL_VALUE_MASK: Int\n    val STENCIL_WRITEMASK: Int\n    val
STENCIL_BACK_FUNC: Int\n    val STENCIL_BACK_FAIL: Int\n    val
STENCIL_BACK_PASS_DEPTH_FAIL: Int\n    val STENCIL_BACK_PASS_DEPTH_PASS: Int\n    val
STENCIL_BACK_REF: Int\n    val STENCIL_BACK_VALUE_MASK: Int\n    val
STENCIL_BACK_WRITEMASK: Int\n    val VIEWPORT: Int\n    val SCISSOR_BOX: Int\n    val
COLOR_CLEAR_VALUE: Int\n    val COLOR_WRITEMASK: Int\n    val UNPACK_ALIGNMENT: Int\n
val PACK_ALIGNMENT: Int\n    val MAX_TEXTURE_SIZE: Int\n    val MAX_VIEWPORT_DIMS: Int\n
val SUBPIXEL_BITS: Int\n    val RED_BITS: Int\n    val GREEN_BITS: Int\n    val BLUE_BITS: Int\n
val ALPHA_BITS: Int\n    val DEPTH_BITS: Int\n    val STENCIL_BITS: Int\n    val
POLYGON_OFFSET_UNITS: Int\n    val POLYGON_OFFSET_FACTOR: Int\n    val
TEXTURE_BINDING_2D: Int\n    val SAMPLE_BUFFERS: Int\n    val SAMPLES: Int\n    val

```

SAMPLE_COVERAGE_VALUE: Int\n val SAMPLE_COVERAGE_INVERT: Int\n val
 COMPRESSED_TEXTURE_FORMATS: Int\n val DONT_CARE: Int\n val FASTEST: Int\n val
 NICEST: Int\n val GENERATE_MIPMAP_HINT: Int\n val BYTE: Int\n val UNSIGNED_BYTE:
 Int\n val SHORT: Int\n val UNSIGNED_SHORT: Int\n val INT: Int\n val UNSIGNED_INT: Int\n
 val FLOAT: Int\n val DEPTH_COMPONENT: Int\n val ALPHA: Int\n val RGB: Int\n val
 RGBA: Int\n val LUMINANCE: Int\n val LUMINANCE_ALPHA: Int\n val
 UNSIGNED_SHORT_4_4_4_4: Int\n val UNSIGNED_SHORT_5_5_5_1: Int\n val
 UNSIGNED_SHORT_5_6_5: Int\n val FRAGMENT_SHADER: Int\n val VERTEX_SHADER: Int\n
 val MAX_VERTEX_ATTRIBS: Int\n val MAX_VERTEX_UNIFORM_VECTORS: Int\n val
 MAX_VARYING_VECTORS: Int\n val MAX_COMBINED_TEXTURE_IMAGE_UNITS: Int\n val
 MAX_VERTEX_TEXTURE_IMAGE_UNITS: Int\n val MAX_TEXTURE_IMAGE_UNITS: Int\n val
 MAX_FRAGMENT_UNIFORM_VECTORS: Int\n val SHADER_TYPE: Int\n val DELETE_STATUS:
 Int\n val LINK_STATUS: Int\n val VALIDATE_STATUS: Int\n val ATTACHED_SHADERS: Int\n
 val ACTIVE_UNIFORMS: Int\n val ACTIVE_ATTRIBUTES: Int\n val
 SHADING_LANGUAGE_VERSION: Int\n val CURRENT_PROGRAM: Int\n val NEVER: Int\n val
 LESS: Int\n val EQUAL: Int\n val LEQUAL: Int\n val GREATER: Int\n val NOTEQUAL: Int\n
 val GEQUAL: Int\n val ALWAYS: Int\n val KEEP: Int\n val REPLACE: Int\n val INCR: Int\n
 val DECR: Int\n val INVERT: Int\n val INCR_WRAP: Int\n val DECR_WRAP: Int\n val
 VENDOR: Int\n val RENDERER: Int\n val VERSION: Int\n val NEAREST: Int\n val LINEAR:
 Int\n val NEAREST_MIPMAP_NEAREST: Int\n val LINEAR_MIPMAP_NEAREST: Int\n val
 NEAREST_MIPMAP_LINEAR: Int\n val LINEAR_MIPMAP_LINEAR: Int\n val
 TEXTURE_MAG_FILTER: Int\n val TEXTURE_MIN_FILTER: Int\n val TEXTURE_WRAP_S: Int\n
 val TEXTURE_WRAP_T: Int\n val TEXTURE_2D: Int\n val TEXTURE: Int\n val
 TEXTURE_CUBE_MAP: Int\n val TEXTURE_BINDING_CUBE_MAP: Int\n val
 TEXTURE_CUBE_MAP_POSITIVE_X: Int\n val TEXTURE_CUBE_MAP_NEGATIVE_X: Int\n val
 TEXTURE_CUBE_MAP_POSITIVE_Y: Int\n val TEXTURE_CUBE_MAP_NEGATIVE_Y: Int\n val
 TEXTURE_CUBE_MAP_POSITIVE_Z: Int\n val TEXTURE_CUBE_MAP_NEGATIVE_Z: Int\n val
 MAX_CUBE_MAP_TEXTURE_SIZE: Int\n val TEXTURE0: Int\n val TEXTURE1: Int\n val
 TEXTURE2: Int\n val TEXTURE3: Int\n val TEXTURE4: Int\n val TEXTURE5: Int\n val
 TEXTURE6: Int\n val TEXTURE7: Int\n val TEXTURE8: Int\n val TEXTURE9: Int\n val
 TEXTURE10: Int\n val TEXTURE11: Int\n val TEXTURE12: Int\n val TEXTURE13: Int\n val
 TEXTURE14: Int\n val TEXTURE15: Int\n val TEXTURE16: Int\n val TEXTURE17: Int\n val
 TEXTURE18: Int\n val TEXTURE19: Int\n val TEXTURE20: Int\n val TEXTURE21: Int\n val
 TEXTURE22: Int\n val TEXTURE23: Int\n val TEXTURE24: Int\n val TEXTURE25: Int\n val
 TEXTURE26: Int\n val TEXTURE27: Int\n val TEXTURE28: Int\n val TEXTURE29: Int\n val
 TEXTURE30: Int\n val TEXTURE31: Int\n val ACTIVE_TEXTURE: Int\n val REPEAT: Int\n
 val CLAMP_TO_EDGE: Int\n val MIRRORED_REPEAT: Int\n val FLOAT_VEC2: Int\n val
 FLOAT_VEC3: Int\n val FLOAT_VEC4: Int\n val INT_VEC2: Int\n val INT_VEC3: Int\n val
 INT_VEC4: Int\n val BOOL: Int\n val BOOL_VEC2: Int\n val BOOL_VEC3: Int\n val
 BOOL_VEC4: Int\n val FLOAT_MAT2: Int\n val FLOAT_MAT3: Int\n val FLOAT_MAT4: Int\n
 val SAMPLER_2D: Int\n val SAMPLER_CUBE: Int\n val VERTEX_ATTRIB_ARRAY_ENABLED:
 Int\n val VERTEX_ATTRIB_ARRAY_SIZE: Int\n val VERTEX_ATTRIB_ARRAY_STRIDE: Int\n
 val VERTEX_ATTRIB_ARRAY_TYPE: Int\n val VERTEX_ATTRIB_ARRAY_NORMALIZED: Int\n
 val VERTEX_ATTRIB_ARRAY_POINTER: Int\n val VERTEX_ATTRIB_ARRAY_BUFFER_BINDING:
 Int\n val IMPLEMENTATION_COLOR_READ_TYPE: Int\n val
 IMPLEMENTATION_COLOR_READ_FORMAT: Int\n val COMPILE_STATUS: Int\n val
 LOW_FLOAT: Int\n val MEDIUM_FLOAT: Int\n val HIGH_FLOAT: Int\n val LOW_INT: Int\n
 val MEDIUM_INT: Int\n val HIGH_INT: Int\n val FRAMEBUFFER: Int\n val RENDERBUFFER:

```

Int\n    val RGBA4: Int\n    val RGB5_A1: Int\n    val RGB565: Int\n    val DEPTH_COMPONENT16:
Int\n    val STENCIL_INDEX: Int\n    val STENCIL_INDEX8: Int\n    val DEPTH_STENCIL: Int\n    val
RENDERBUFFER_WIDTH: Int\n    val RENDERBUFFER_HEIGHT: Int\n    val
RENDERBUFFER_INTERNAL_FORMAT: Int\n    val RENDERBUFFER_RED_SIZE: Int\n    val
RENDERBUFFER_GREEN_SIZE: Int\n    val RENDERBUFFER_BLUE_SIZE: Int\n    val
RENDERBUFFER_ALPHA_SIZE: Int\n    val RENDERBUFFER_DEPTH_SIZE: Int\n    val
RENDERBUFFER_STENCIL_SIZE: Int\n    val FRAMEBUFFER_ATTACHMENT_OBJECT_TYPE: Int\n
val FRAMEBUFFER_ATTACHMENT_OBJECT_NAME: Int\n    val
FRAMEBUFFER_ATTACHMENT_TEXTURE_LEVEL: Int\n    val
FRAMEBUFFER_ATTACHMENT_TEXTURE_CUBE_MAP_FACE: Int\n    val COLOR_ATTACHMENT0:
Int\n    val DEPTH_ATTACHMENT: Int\n    val STENCIL_ATTACHMENT: Int\n    val
DEPTH_STENCIL_ATTACHMENT: Int\n    val NONE: Int\n    val FRAMEBUFFER_COMPLETE: Int\n
val FRAMEBUFFER_INCOMPLETE_ATTACHMENT: Int\n    val
FRAMEBUFFER_INCOMPLETE_MISSING_ATTACHMENT: Int\n    val
FRAMEBUFFER_INCOMPLETE_DIMENSIONS: Int\n    val FRAMEBUFFER_UNSUPPORTED: Int\n
val FRAMEBUFFER_BINDING: Int\n    val RENDERBUFFER_BINDING: Int\n    val
MAX_RENDERBUFFER_SIZE: Int\n    val INVALID_FRAMEBUFFER_OPERATION: Int\n    val
UNPACK_FLIP_Y_WEBGL: Int\n    val UNPACK_PREMULTIPLY_ALPHA_WEBGL: Int\n    val
CONTEXT_LOST_WEBGL: Int\n    val UNPACK_COLORSPACE_CONVERSION_WEBGL: Int\n    val
BROWSER_DEFAULT_WEBGL: Int\n    }\n}\n\n/**\n * Exposes the JavaScript
[WebGLRenderingContext](https://developer.mozilla.org/en/docs/Web/API/WebGLRenderingContext) to Kotlin\n
*\npublic external abstract class WebGLRenderingContext : WebGLRenderingContextBase, RenderingContext {\n
companion object {\n    val DEPTH_BUFFER_BIT: Int\n    val STENCIL_BUFFER_BIT: Int\n    val
COLOR_BUFFER_BIT: Int\n    val POINTS: Int\n    val LINES: Int\n    val LINE_LOOP: Int\n    val
LINE_STRIP: Int\n    val TRIANGLES: Int\n    val TRIANGLE_STRIP: Int\n    val TRIANGLE_FAN:
Int\n    val ZERO: Int\n    val ONE: Int\n    val SRC_COLOR: Int\n    val ONE_MINUS_SRC_COLOR:
Int\n    val SRC_ALPHA: Int\n    val ONE_MINUS_SRC_ALPHA: Int\n    val DST_ALPHA: Int\n    val
ONE_MINUS_DST_ALPHA: Int\n    val DST_COLOR: Int\n    val ONE_MINUS_DST_COLOR: Int\n
val SRC_ALPHA_SATURATE: Int\n    val FUNC_ADD: Int\n    val BLEND_EQUATION: Int\n    val
BLEND_EQUATION_RGB: Int\n    val BLEND_EQUATION_ALPHA: Int\n    val FUNC_SUBTRACT:
Int\n    val FUNC_REVERSE_SUBTRACT: Int\n    val BLEND_DST_RGB: Int\n    val
BLEND_SRC_RGB: Int\n    val BLEND_DST_ALPHA: Int\n    val BLEND_SRC_ALPHA: Int\n    val
CONSTANT_COLOR: Int\n    val ONE_MINUS_CONSTANT_COLOR: Int\n    val CONSTANT_ALPHA:
Int\n    val ONE_MINUS_CONSTANT_ALPHA: Int\n    val BLEND_COLOR: Int\n    val
ARRAY_BUFFER: Int\n    val ELEMENT_ARRAY_BUFFER: Int\n    val ARRAY_BUFFER_BINDING:
Int\n    val ELEMENT_ARRAY_BUFFER_BINDING: Int\n    val STREAM_DRAW: Int\n    val
STATIC_DRAW: Int\n    val DYNAMIC_DRAW: Int\n    val BUFFER_SIZE: Int\n    val
BUFFER_USAGE: Int\n    val CURRENT_VERTEX_ATTRIB: Int\n    val FRONT: Int\n    val BACK:
Int\n    val FRONT_AND_BACK: Int\n    val CULL_FACE: Int\n    val BLEND: Int\n    val DITHER:
Int\n    val STENCIL_TEST: Int\n    val DEPTH_TEST: Int\n    val SCISSOR_TEST: Int\n    val
POLYGON_OFFSET_FILL: Int\n    val SAMPLE_ALPHA_TO_COVERAGE: Int\n    val
SAMPLE_COVERAGE: Int\n    val NO_ERROR: Int\n    val INVALID_ENUM: Int\n    val
INVALID_VALUE: Int\n    val INVALID_OPERATION: Int\n    val OUT_OF_MEMORY: Int\n    val CW:
Int\n    val CCW: Int\n    val LINE_WIDTH: Int\n    val ALIASED_POINT_SIZE_RANGE: Int\n    val
ALIASED_LINE_WIDTH_RANGE: Int\n    val CULL_FACE_MODE: Int\n    val FRONT_FACE: Int\n
val DEPTH_RANGE: Int\n    val DEPTH_WRITEMASK: Int\n    val DEPTH_CLEAR_VALUE: Int\n    val
DEPTH_FUNC: Int\n    val STENCIL_CLEAR_VALUE: Int\n    val STENCIL_FUNC: Int\n    val
STENCIL_FAIL: Int\n    val STENCIL_PASS_DEPTH_FAIL: Int\n    val STENCIL_PASS_DEPTH_PASS:

```


Int\n val STENCIL_REF: Int\n val STENCIL_VALUE_MASK: Int\n val STENCIL_WRITEMASK:
 Int\n val STENCIL_BACK_FUNC: Int\n val STENCIL_BACK_FAIL: Int\n val
 STENCIL_BACK_PASS_DEPTH_FAIL: Int\n val STENCIL_BACK_PASS_DEPTH_PASS: Int\n val
 STENCIL_BACK_REF: Int\n val STENCIL_BACK_VALUE_MASK: Int\n val
 STENCIL_BACK_WRITEMASK: Int\n val VIEWPORT: Int\n val SCISSOR_BOX: Int\n val
 COLOR_CLEAR_VALUE: Int\n val COLOR_WRITEMASK: Int\n val UNPACK_ALIGNMENT: Int\n
 val PACK_ALIGNMENT: Int\n val MAX_TEXTURE_SIZE: Int\n val MAX_VIEWPORT_DIMS: Int\n
 val SUBPIXEL_BITS: Int\n val RED_BITS: Int\n val GREEN_BITS: Int\n val BLUE_BITS: Int\n
 val ALPHA_BITS: Int\n val DEPTH_BITS: Int\n val STENCIL_BITS: Int\n val
 POLYGON_OFFSET_UNITS: Int\n val POLYGON_OFFSET_FACTOR: Int\n val
 TEXTURE_BINDING_2D: Int\n val SAMPLE_BUFFERS: Int\n val SAMPLES: Int\n val
 SAMPLE_COVERAGE_VALUE: Int\n val SAMPLE_COVERAGE_INVERT: Int\n val
 COMPRESSED_TEXTURE_FORMATS: Int\n val DONT_CARE: Int\n val FASTEST: Int\n val
 NICEST: Int\n val GENERATE_MIPMAP_HINT: Int\n val BYTE: Int\n val UNSIGNED_BYTE:
 Int\n val SHORT: Int\n val UNSIGNED_SHORT: Int\n val INT: Int\n val UNSIGNED_INT: Int\n
 val FLOAT: Int\n val DEPTH_COMPONENT: Int\n val ALPHA: Int\n val RGB: Int\n val
 RGBA: Int\n val LUMINANCE: Int\n val LUMINANCE_ALPHA: Int\n val
 UNSIGNED_SHORT_4_4_4_4: Int\n val UNSIGNED_SHORT_5_5_5_1: Int\n val
 UNSIGNED_SHORT_5_6_5: Int\n val FRAGMENT_SHADER: Int\n val VERTEX_SHADER: Int\n
 val MAX_VERTEX_ATTRIBS: Int\n val MAX_VERTEX_UNIFORM_VECTORS: Int\n val
 MAX_VARYING_VECTORS: Int\n val MAX_COMBINED_TEXTURE_IMAGE_UNITS: Int\n val
 MAX_VERTEX_TEXTURE_IMAGE_UNITS: Int\n val MAX_TEXTURE_IMAGE_UNITS: Int\n val
 MAX_FRAGMENT_UNIFORM_VECTORS: Int\n val SHADER_TYPE: Int\n val DELETE_STATUS:
 Int\n val LINK_STATUS: Int\n val VALIDATE_STATUS: Int\n val ATTACHED_SHADERS: Int\n
 val ACTIVE_UNIFORMS: Int\n val ACTIVE_ATTRIBUTES: Int\n val
 SHADING_LANGUAGE_VERSION: Int\n val CURRENT_PROGRAM: Int\n val NEVER: Int\n val
 LESS: Int\n val EQUAL: Int\n val LEQUAL: Int\n val GREATER: Int\n val NOTEQUAL: Int\n
 val GEQUAL: Int\n val ALWAYS: Int\n val KEEP: Int\n val REPLACE: Int\n val INCR: Int\n
 val DECR: Int\n val INVERT: Int\n val INCR_WRAP: Int\n val DECR_WRAP: Int\n val
 VENDOR: Int\n val RENDERER: Int\n val VERSION: Int\n val NEAREST: Int\n val LINEAR:
 Int\n val NEAREST_MIPMAP_NEAREST: Int\n val LINEAR_MIPMAP_NEAREST: Int\n val
 NEAREST_MIPMAP_LINEAR: Int\n val LINEAR_MIPMAP_LINEAR: Int\n val
 TEXTURE_MAG_FILTER: Int\n val TEXTURE_MIN_FILTER: Int\n val TEXTURE_WRAP_S: Int\n
 val TEXTURE_WRAP_T: Int\n val TEXTURE_2D: Int\n val TEXTURE: Int\n val
 TEXTURE_CUBE_MAP: Int\n val TEXTURE_BINDING_CUBE_MAP: Int\n val
 TEXTURE_CUBE_MAP_POSITIVE_X: Int\n val TEXTURE_CUBE_MAP_NEGATIVE_X: Int\n val
 TEXTURE_CUBE_MAP_POSITIVE_Y: Int\n val TEXTURE_CUBE_MAP_NEGATIVE_Y: Int\n val
 TEXTURE_CUBE_MAP_POSITIVE_Z: Int\n val TEXTURE_CUBE_MAP_NEGATIVE_Z: Int\n val
 MAX_CUBE_MAP_TEXTURE_SIZE: Int\n val TEXTURE0: Int\n val TEXTURE1: Int\n val
 TEXTURE2: Int\n val TEXTURE3: Int\n val TEXTURE4: Int\n val TEXTURE5: Int\n val
 TEXTURE6: Int\n val TEXTURE7: Int\n val TEXTURE8: Int\n val TEXTURE9: Int\n val
 TEXTURE10: Int\n val TEXTURE11: Int\n val TEXTURE12: Int\n val TEXTURE13: Int\n val
 TEXTURE14: Int\n val TEXTURE15: Int\n val TEXTURE16: Int\n val TEXTURE17: Int\n val
 TEXTURE18: Int\n val TEXTURE19: Int\n val TEXTURE20: Int\n val TEXTURE21: Int\n val
 TEXTURE22: Int\n val TEXTURE23: Int\n val TEXTURE24: Int\n val TEXTURE25: Int\n val
 TEXTURE26: Int\n val TEXTURE27: Int\n val TEXTURE28: Int\n val TEXTURE29: Int\n val
 TEXTURE30: Int\n val TEXTURE31: Int\n val ACTIVE_TEXTURE: Int\n val REPEAT: Int\n
 val CLAMP_TO_EDGE: Int\n val MIRRORED_REPEAT: Int\n val FLOAT_VEC2: Int\n val

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FLOAT_VEC3: Int\n    val FLOAT_VEC4: Int\n    val INT_VEC2: Int\n    val INT_VEC3: Int\n    val INT_VEC4: Int\n    val BOOL: Int\n    val BOOL_VEC2: Int\n    val BOOL_VEC3: Int\n    val BOOL_VEC4: Int\n    val FLOAT_MAT2: Int\n    val FLOAT_MAT3: Int\n    val FLOAT_MAT4: Int\n    val SAMPLER_2D: Int\n    val SAMPLER_CUBE: Int\n    val VERTEX_ATTRIB_ARRAY_ENABLED: Int\n    val VERTEX_ATTRIB_ARRAY_SIZE: Int\n    val VERTEX_ATTRIB_ARRAY_STRIDE: Int\n    val VERTEX_ATTRIB_ARRAY_TYPE: Int\n    val VERTEX_ATTRIB_ARRAY_NORMALIZED: Int\n    val VERTEX_ATTRIB_ARRAY_POINTER: Int\n    val VERTEX_ATTRIB_ARRAY_BUFFER_BINDING: Int\n    val IMPLEMENTATION_COLOR_READ_TYPE: Int\n    val IMPLEMENTATION_COLOR_READ_FORMAT: Int\n    val COMPILE_STATUS: Int\n    val LOW_FLOAT: Int\n    val MEDIUM_FLOAT: Int\n    val HIGH_FLOAT: Int\n    val LOW_INT: Int\n    val MEDIUM_INT: Int\n    val HIGH_INT: Int\n    val FRAMEBUFFER: Int\n    val RENDERBUFFER: Int\n    val RGBA4: Int\n    val RGB5_A1: Int\n    val RGB565: Int\n    val DEPTH_COMPONENT16: Int\n    val STENCIL_INDEX: Int\n    val STENCIL_INDEX8: Int\n    val DEPTH_STENCIL: Int\n    val RENDERBUFFER_WIDTH: Int\n    val RENDERBUFFER_HEIGHT: Int\n    val RENDERBUFFER_INTERNAL_FORMAT: Int\n    val RENDERBUFFER_RED_SIZE: Int\n    val RENDERBUFFER_GREEN_SIZE: Int\n    val RENDERBUFFER_BLUE_SIZE: Int\n    val RENDERBUFFER_ALPHA_SIZE: Int\n    val RENDERBUFFER_DEPTH_SIZE: Int\n    val RENDERBUFFER_STENCIL_SIZE: Int\n    val FRAMEBUFFER_ATTACHMENT_OBJECT_TYPE: Int\n    val FRAMEBUFFER_ATTACHMENT_OBJECT_NAME: Int\n    val FRAMEBUFFER_ATTACHMENT_TEXTURE_LEVEL: Int\n    val FRAMEBUFFER_ATTACHMENT_TEXTURE_CUBE_MAP_FACE: Int\n    val COLOR_ATTACHMENT0: Int\n    val DEPTH_ATTACHMENT: Int\n    val STENCIL_ATTACHMENT: Int\n    val DEPTH_STENCIL_ATTACHMENT: Int\n    val NONE: Int\n    val FRAMEBUFFER_COMPLETE: Int\n    val FRAMEBUFFER_INCOMPLETE_ATTACHMENT: Int\n    val FRAMEBUFFER_INCOMPLETE_MISSING_ATTACHMENT: Int\n    val FRAMEBUFFER_INCOMPLETE_DIMENSIONS: Int\n    val FRAMEBUFFER_UNSUPPORTED: Int\n    val FRAMEBUFFER_BINDING: Int\n    val RENDERBUFFER_BINDING: Int\n    val MAX_RENDERBUFFER_SIZE: Int\n    val INVALID_FRAMEBUFFER_OPERATION: Int\n    val UNPACK_FLIP_Y_WEBGL: Int\n    val UNPACK_PREMULTIPLY_ALPHA_WEBGL: Int\n    val CONTEXT_LOST_WEBGL: Int\n    val UNPACK_COLORSPACE_CONVERSION_WEBGL: Int\n    val BROWSER_DEFAULT_WEBGL: Int\n}\n\n/**\n * Exposes the JavaScript [WebGLContextEvent](https://developer.mozilla.org/en/docs/Web/API/WebGLContextEvent) to Kotlin\n */\n\npublic external open class WebGLContextEvent(type: String, eventInit: WebGLContextEventInit = definedExternally) : Event {\n    open val statusMessage: String\n\n    companion object {\n        val NONE: Short\n        val CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val BUBBLING_PHASE: Short\n    }\n\n    public external interface WebGLContextEventInit : EventInit {\n        var statusMessage: String? /* = "" */\n        get() = definedExternally\n        set(value) = definedExternally\n    }\n\n    @kotlin.internal.InlineOnly\n    public inline fun WebGLContextEventInit(statusMessage: String? = "", bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): WebGLContextEventInit {\n        val o = js("{}")\n        o["statusMessage"] = statusMessage\n        o["bubbles"] = bubbles\n        o["cancelable"] = cancelable\n        o["composed"] = composed\n    }\n\n    return o\n}\n\n/**\n * Exposes the JavaScript [ArrayBuffer](https://developer.mozilla.org/en/docs/Web/API/ArrayBuffer) to Kotlin\n */\n\npublic external open class ArrayBuffer(length: Int) : BufferDataSource {\n    open val byteLength: Int\n    fun slice(begin: Int, end: Int = definedExternally): ArrayBuffer\n\n    companion object {\n        fun isView(value: Any?): Boolean\n    }\n}\n\n/**\n * Exposes the JavaScript [ArrayBufferView](https://developer.mozilla.org/en/docs/Web/API/ArrayBufferView) to Kotlin\n */\n\npublic external interface ArrayBufferView : BufferDataSource {\n    val buffer: ArrayBuffer\n    val byteOffset: Int\n    val byteLength: Int\n}\n\n/**\n * Exposes the JavaScript
```

```

[Int8Array](https://developer.mozilla.org/en/docs/Web/API/Int8Array) to Kotlin\n *\npublic external open class
Int8Array : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array: Int8Array)\n  constructor(array:
Array<Byte>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length: Int =
definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n  override val byteOffset: Int\n
override val byteLength: Int\n  fun set(array: Int8Array, offset: Int = definedExternally)\n  fun set(array:
Array<Byte>, offset: Int = definedExternally)\n  fun subarray(start: Int, end: Int): Int8Array\n\n  companion
object {\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun Int8Array.get(index: Int): Byte = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator fun
Int8Array.set(index: Int, value: Byte) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Uint8Array](https://developer.mozilla.org/en/docs/Web/API/Uint8Array) to Kotlin\n *\npublic external open class
Uint8Array : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array: Uint8Array)\n
constructor(array: Array<Byte>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length:
Int = definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n  override val byteOffset:
Int\n  override val byteLength: Int\n  fun set(array: Uint8Array, offset: Int = definedExternally)\n  fun set(array:
Array<Byte>, offset: Int = definedExternally)\n  fun subarray(start: Int, end: Int): Uint8Array\n\n  companion
object {\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun Uint8Array.get(index: Int): Byte = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun Uint8Array.set(index: Int, value: Byte) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Uint8ClampedArray](https://developer.mozilla.org/en/docs/Web/API/Uint8ClampedArray) to Kotlin\n *\npublic
external open class Uint8ClampedArray : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array:
Uint8ClampedArray)\n  constructor(array: Array<Byte>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int =
definedExternally, length: Int = definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n
override val byteOffset: Int\n  override val byteLength: Int\n  fun set(array: Uint8ClampedArray, offset: Int =
definedExternally)\n  fun set(array: Array<Byte>, offset: Int = definedExternally)\n  fun subarray(start: Int, end:
Int): Uint8ClampedArray\n\n  companion object {\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun
Uint8ClampedArray.get(index: Int): Byte =
asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator fun Uint8ClampedArray.set(index: Int,
value: Byte) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Int16Array](https://developer.mozilla.org/en/docs/Web/API/Int16Array) to Kotlin\n *\npublic external open class
Int16Array : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array: Int16Array)\n
constructor(array: Array<Short>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length:
Int = definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n  override val byteOffset:
Int\n  override val byteLength: Int\n  fun set(array: Int16Array, offset: Int = definedExternally)\n  fun set(array:
Array<Short>, offset: Int = definedExternally)\n  fun subarray(start: Int, end: Int): Int16Array\n\n  companion
object {\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun Int16Array.get(index: Int): Short = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun Int16Array.set(index: Int, value: Short) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Uint16Array](https://developer.mozilla.org/en/docs/Web/API/Uint16Array) to Kotlin\n *\npublic external open
class Uint16Array : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array: Uint16Array)\n
constructor(array: Array<Short>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length:
Int = definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n  override val byteOffset:
Int\n  override val byteLength: Int\n  fun set(array: Uint16Array, offset: Int = definedExternally)\n  fun set(array:
Array<Short>, offset: Int = definedExternally)\n  fun subarray(start: Int, end: Int): Uint16Array\n\n  companion
object {\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun Uint16Array.get(index: Int): Short = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun Uint16Array.set(index: Int, value: Short) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Int32Array](https://developer.mozilla.org/en/docs/Web/API/Int32Array) to Kotlin\n *\npublic external open class
Int32Array : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array: Int32Array)\n

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constructor(array: Array<Int>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length: Int
= definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n  override val byteOffset: Int\n
override val byteLength: Int\n  fun set(array: Int32Array, offset: Int = definedExternally)\n  fun set(array:
Array<Int>, offset: Int = definedExternally)\n  fun subarray(start: Int, end: Int): Int32Array\n\n  companion object
{\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun
Int32Array.get(index: Int): Int = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator fun
Int32Array.set(index: Int, value: Int) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Uint32Array](https://developer.mozilla.org/en/docs/Web/API/Uint32Array) to Kotlin\n */\npublic external open
class Uint32Array : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array: Uint32Array)\n
constructor(array: Array<Int>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length: Int
= definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n  override val byteOffset: Int\n
override val byteLength: Int\n  fun set(array: Uint32Array, offset: Int = definedExternally)\n  fun set(array:
Array<Int>, offset: Int = definedExternally)\n  fun subarray(start: Int, end: Int): Uint32Array\n\n  companion
object {\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun Uint32Array.get(index: Int): Int = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun Uint32Array.set(index: Int, value: Int) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[Float32Array](https://developer.mozilla.org/en/docs/Web/API/Float32Array) to Kotlin\n */\npublic external open
class Float32Array : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array: Float32Array)\n
constructor(array: Array<Float>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int = definedExternally, length:
Int = definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n  override val byteOffset:
Int\n  override val byteLength: Int\n  fun set(array: Float32Array, offset: Int = definedExternally)\n  fun
set(array: Array<Float>, offset: Int = definedExternally)\n  fun subarray(start: Int, end: Int): Float32Array\n\n
companion object {\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@kotlin.internal.InlineOnly\npublic inline
operator fun Float32Array.get(index: Int): Float = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline
operator fun Float32Array.set(index: Int, value: Float) { asDynamic()[index] = value }\n\n/**\n * Exposes the
JavaScript [Float64Array](https://developer.mozilla.org/en/docs/Web/API/Float64Array) to Kotlin\n */\npublic
external open class Float64Array : ArrayBufferView {\n  constructor(length: Int)\n  constructor(array:
Float64Array)\n  constructor(array: Array<Double>)\n  constructor(buffer: ArrayBuffer, byteOffset: Int =
definedExternally, length: Int = definedExternally)\n  open val length: Int\n  override val buffer: ArrayBuffer\n
override val byteOffset: Int\n  override val byteLength: Int\n  fun set(array: Float64Array, offset: Int =
definedExternally)\n  fun set(array: Array<Double>, offset: Int = definedExternally)\n  fun subarray(start: Int,
end: Int): Float64Array\n\n  companion object {\n    val BYTES_PER_ELEMENT: Int\n  }\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun Float64Array.get(index: Int): Double =
asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator fun Float64Array.set(index: Int, value:
Double) { asDynamic()[index] = value }\n\n/**\n * Exposes the JavaScript
[DataView](https://developer.mozilla.org/en/docs/Web/API/DataView) to Kotlin\n */\npublic external open class
DataView(buffer: ArrayBuffer, byteOffset: Int = definedExternally, byteLength: Int = definedExternally) :
ArrayBufferView {\n  override val buffer: ArrayBuffer\n  override val byteOffset: Int\n  override val
byteLength: Int\n  fun getInt8(byteOffset: Int): Byte\n  fun getUint8(byteOffset: Int): Byte\n  fun
getInt16(byteOffset: Int, littleEndian: Boolean = definedExternally): Short\n  fun getUint16(byteOffset: Int,
littleEndian: Boolean = definedExternally): Short\n  fun getInt32(byteOffset: Int, littleEndian: Boolean =
definedExternally): Int\n  fun getUint32(byteOffset: Int, littleEndian: Boolean = definedExternally): Int\n  fun
getFloat32(byteOffset: Int, littleEndian: Boolean = definedExternally): Float\n  fun getFloat64(byteOffset: Int,
littleEndian: Boolean = definedExternally): Double\n  fun setInt8(byteOffset: Int, value: Byte)\n  fun
setUint8(byteOffset: Int, value: Byte)\n  fun setInt16(byteOffset: Int, value: Short, littleEndian: Boolean =
definedExternally)\n  fun setUint16(byteOffset: Int, value: Short, littleEndian: Boolean = definedExternally)\n
fun setInt32(byteOffset: Int, value: Int, littleEndian: Boolean = definedExternally)\n  fun setUint32(byteOffset: Int,
value: Int, littleEndian: Boolean = definedExternally)\n  fun setFloat32(byteOffset: Int, value: Float, littleEndian:

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Boolean = definedExternally)\n  fun setFloat64(byteOffset: Int, value: Double, littleEndian: Boolean =
definedExternally)\n}\n\npublic external interface BufferDataSource\n\npublic external interface
TexImageSource", "/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n *
Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT EDIT!\n// See github.com/kotlin/dukat for
details\n\npackage org.w3c.dom.clipboard\n\nimport kotlin.js.*\nimport org.khronos.webgl.*\nimport
org.w3c.css.masking.*\nimport org.w3c.dom.*\nimport org.w3c.dom.css.*\nimport org.w3c.dom.events.*\nimport
org.w3c.dom.mediacapture.*\nimport org.w3c.dom.parsing.*\nimport org.w3c.dom.pointerevents.*\nimport
org.w3c.dom.svg.*\nimport org.w3c.dom.url.*\nimport org.w3c.fetch.*\nimport org.w3c.files.*\nimport
org.w3c.notifications.*\nimport org.w3c.performance.*\nimport org.w3c.workers.*\nimport org.w3c.xhr.*\n\npublic
external interface ClipboardEventInit : EventInit {\n  var clipboardData: DataTransfer? /* = null */\n  get() =
definedExternally\n  set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
ClipboardEventInit(clipboardData: DataTransfer? = null, bubbles: Boolean? = false, cancelable: Boolean? = false,
composed: Boolean? = false): ClipboardEventInit {\n  val o = js("{}")\n  o["clipboardData"] =
clipboardData\n  o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n  o["composed"] = composed\n
return o\n}\n\n/**\n * Exposes the JavaScript
[ClipboardEvent](https://developer.mozilla.org/en/docs/Web/API/ClipboardEvent) to Kotlin\n */\n\npublic external
open class ClipboardEvent(type: String, eventInitDict: ClipboardEventInit = definedExternally) : Event {\n  open
val clipboardData: DataTransfer?\n\n  companion object {\n    val NONE: Short\n    val
CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n
}\n}\n\n/**\n * Exposes the JavaScript [Clipboard](https://developer.mozilla.org/en/docs/Web/API/Clipboard) to
Kotlin\n */\n\npublic external abstract class Clipboard : EventTarget {\n  fun read(): Promise<DataTransfer>\n  fun
readText(): Promise<String>\n  fun write(data: DataTransfer): Promise<Unit>\n  fun writeText(data: String):
Promise<Unit>\n}\n\npublic external interface ClipboardPermissionDescriptor {\n  var allowWithoutGesture:
Boolean? /* = false */\n  get() = definedExternally\n  set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
ClipboardPermissionDescriptor(allowWithoutGesture: Boolean? = false): ClipboardPermissionDescriptor {\n  val
o = js("{}")\n  o["allowWithoutGesture"] = allowWithoutGesture\n  return o\n}\n\n/*\n * Copyright 2010-
2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n// NOTE: THIS FILE IS AUTO-
GENERATED, DO NOT EDIT!\n// See github.com/kotlin/dukat for details\n\npackage org.w3c.dom.css\n\nimport
kotlin.js.*\nimport org.khronos.webgl.*\nimport org.w3c.css.masking.*\nimport org.w3c.dom.*\nimport
org.w3c.dom.clipboard.*\nimport org.w3c.dom.events.*\nimport org.w3c.dom.mediacapture.*\nimport
org.w3c.dom.parsing.*\nimport org.w3c.dom.pointerevents.*\nimport org.w3c.dom.svg.*\nimport
org.w3c.dom.url.*\nimport org.w3c.fetch.*\nimport org.w3c.files.*\nimport org.w3c.notifications.*\nimport
org.w3c.performance.*\nimport org.w3c.workers.*\nimport org.w3c.xhr.*\n\npublic external abstract class
MediaList : ItemArrayLike<String> {\n  open var mediaText: String\n  fun appendMedium(medium: String)\n
fun deleteMedium(medium: String)\n  override fun item(index: Int):
String?\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun MediaList.get(index: Int): String? =
asDynamic()[index]\n\n/**\n * Exposes the JavaScript
[StyleSheet](https://developer.mozilla.org/en/docs/Web/API/StyleSheet) to Kotlin\n */\n\npublic external abstract
class StyleSheet {\n  open val type: String\n  open val href: String?\n  open val ownerNode:
UnionElementOrProcessingInstruction?\n  open val parentStyleSheet: StyleSheet?\n  open val title: String?\n
open val media: MediaList\n  open var disabled: Boolean\n}\n\n/**\n * Exposes the JavaScript
[CSSStyleSheet](https://developer.mozilla.org/en/docs/Web/API/CSSStyleSheet) to Kotlin\n */\n\npublic external
abstract class CSSStyleSheet : StyleSheet {\n  open val ownerRule: CSSRule?\n  open val cssRules:
CSSRuleList\n  fun insertRule(rule: String, index: Int): Int\n  fun deleteRule(index: Int)\n}\n\n/**\n * Exposes the
JavaScript [StyleSheetList](https://developer.mozilla.org/en/docs/Web/API/StyleSheetList) to Kotlin\n */\n\npublic

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external abstract class StyleSheetList : ItemArrayLike<StyleSheet> {\n  override fun item(index: Int):
StyleSheet?\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun StyleSheetList.get(index: Int):
StyleSheet? = asDynamic()[index]\n\n/**\n * Exposes the JavaScript
[LinkStyle](https://developer.mozilla.org/en/docs/Web/API/LinkStyle) to Kotlin\n */\npublic external interface
LinkStyle {\n  val sheet: StyleSheet?\n  get() = definedExternally\n}\n\n/**\n * Exposes the JavaScript
[CSSRuleList](https://developer.mozilla.org/en/docs/Web/API/CSSRuleList) to Kotlin\n */\npublic external abstract
class CSSRuleList : ItemArrayLike<CSSRule> {\n  override fun item(index: Int):
CSSRule?\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun CSSRuleList.get(index: Int): CSSRule? =
asDynamic()[index]\n\n/**\n * Exposes the JavaScript
[CSSRule](https://developer.mozilla.org/en/docs/Web/API/CSSRule) to Kotlin\n */\npublic external abstract class
CSSRule {\n  open val type: Short\n  open var cssText: String\n  open val parentRule: CSSRule?\n  open val
parentStyleSheet: CSSStyleSheet?\n\n  companion object {\n    val STYLE_RULE: Short\n    val
CHARSET_RULE: Short\n    val IMPORT_RULE: Short\n    val MEDIA_RULE: Short\n    val
FONT_FACE_RULE: Short\n    val PAGE_RULE: Short\n    val MARGIN_RULE: Short\n    val
NAMESPACE_RULE: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[CSSStyleRule](https://developer.mozilla.org/en/docs/Web/API/CSSStyleRule) to Kotlin\n */\npublic external
abstract class CSSStyleRule : CSSRule {\n  open var selectorText: String\n  open val style:
CSSStyleDeclaration\n\n  companion object {\n    val STYLE_RULE: Short\n    val CHARSET_RULE:
Short\n    val IMPORT_RULE: Short\n    val MEDIA_RULE: Short\n    val FONT_FACE_RULE: Short\n
    val PAGE_RULE: Short\n    val MARGIN_RULE: Short\n    val NAMESPACE_RULE: Short\n
  }\n}\n\npublic external abstract class CSSImportRule : CSSRule {\n  open val href: String\n  open val media:
MediaList\n  open val styleSheet: CSSStyleSheet\n\n  companion object {\n    val STYLE_RULE: Short\n
    val CHARSET_RULE: Short\n    val IMPORT_RULE: Short\n    val MEDIA_RULE: Short\n    val
FONT_FACE_RULE: Short\n    val PAGE_RULE: Short\n    val MARGIN_RULE: Short\n    val
NAMESPACE_RULE: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[CSSGroupingRule](https://developer.mozilla.org/en/docs/Web/API/CSSGroupingRule) to Kotlin\n */\npublic
external abstract class CSSGroupingRule : CSSRule {\n  open val cssRules: CSSRuleList\n  fun insertRule(rule:
String, index: Int): Int\n  fun deleteRule(index: Int)\n\n  companion object {\n    val STYLE_RULE: Short\n
    val CHARSET_RULE: Short\n    val IMPORT_RULE: Short\n    val MEDIA_RULE: Short\n    val
FONT_FACE_RULE: Short\n    val PAGE_RULE: Short\n    val MARGIN_RULE: Short\n    val
NAMESPACE_RULE: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[CSSMediaRule](https://developer.mozilla.org/en/docs/Web/API/CSSMediaRule) to Kotlin\n */\npublic external
abstract class CSSMediaRule : CSSGroupingRule {\n  open val media: MediaList\n\n  companion object {\n
    val STYLE_RULE: Short\n    val CHARSET_RULE: Short\n    val IMPORT_RULE: Short\n    val
MEDIA_RULE: Short\n    val FONT_FACE_RULE: Short\n    val PAGE_RULE: Short\n    val
MARGIN_RULE: Short\n    val NAMESPACE_RULE: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[CSSPageRule](https://developer.mozilla.org/en/docs/Web/API/CSSPageRule) to Kotlin\n */\npublic external
abstract class CSSPageRule : CSSGroupingRule {\n  open var selectorText: String\n  open val style:
CSSStyleDeclaration\n\n  companion object {\n    val STYLE_RULE: Short\n    val CHARSET_RULE:
Short\n    val IMPORT_RULE: Short\n    val MEDIA_RULE: Short\n    val FONT_FACE_RULE: Short\n
    val PAGE_RULE: Short\n    val MARGIN_RULE: Short\n    val NAMESPACE_RULE: Short\n
  }\n}\n\npublic external abstract class CSSMarginRule : CSSRule {\n  open val name: String\n  open val style:
CSSStyleDeclaration\n\n  companion object {\n    val STYLE_RULE: Short\n    val CHARSET_RULE:
Short\n    val IMPORT_RULE: Short\n    val MEDIA_RULE: Short\n    val FONT_FACE_RULE: Short\n
    val PAGE_RULE: Short\n    val MARGIN_RULE: Short\n    val NAMESPACE_RULE: Short\n
  }\n}\n\n/**\n * Exposes the JavaScript
[CSSNamespaceRule](https://developer.mozilla.org/en/docs/Web/API/CSSNamespaceRule) to Kotlin\n */\npublic
external abstract class CSSNamespaceRule : CSSRule {\n  open val namespaceURI: String\n  open val prefix:

```

String companion object {
 val STYLE_RULE: Short
 val CHARSET_RULE: Short
 val IMPORT_RULE: Short
 val MEDIA_RULE: Short
 val FONT_FACE_RULE: Short
 val PAGE_RULE: Short
 val MARGIN_RULE: Short
 val NAMESPACE_RULE: Short
 }
 Exposes the JavaScript
 [CSSStyleDeclaration](https://developer.mozilla.org/en/docs/Web/API/CSSStyleDeclaration) to Kotlin
 external abstract class CSSStyleDeclaration : ItemArrayLike<String> {
 open var cssText: String
 open val parentRule: CSSRule?
 open var cssFloat: String
 open var alignContent: String
 open var alignItems: String
 open var alignSelf: String
 open var animation: String
 open var animationDelay: String
 open var animationDirection: String
 open var animationDuration: String
 open var animationFillMode: String
 open var animationIterationCount: String
 open var animationName: String
 open var animationPlayState: String
 open var animationTimingFunction: String
 open var backfaceVisibility: String
 open var background: String
 open var backgroundAttachment: String
 open var backgroundClip: String
 open var backgroundColor: String
 open var backgroundImage: String
 open var backgroundOrigin: String
 open var backgroundPosition: String
 open var backgroundRepeat: String
 open var backgroundSize: String
 open var border: String
 open var borderBottom: String
 open var borderBottomColor: String
 open var borderBottomLeftRadius: String
 open var borderBottomRightRadius: String
 open var borderBottomStyle: String
 open var borderBottomWidth: String
 open var borderCollapse: String
 open var borderColor: String
 open var borderImage: String
 open var borderImageOutset: String
 open var borderImageRepeat: String
 open var borderImageSlice: String
 open var borderImageSource: String
 open var borderImageWidth: String
 open var borderLeft: String
 open var borderLeftColor: String
 open var borderLeftStyle: String
 open var borderLeftWidth: String
 open var borderRadius: String
 open var borderRight: String
 open var borderRightColor: String
 open var borderRightStyle: String
 open var borderRightWidth: String
 open var borderSpacing: String
 open var borderStyle: String
 open var borderTop: String
 open var borderTopColor: String
 open var borderTopLeftRadius: String
 open var borderTopRightRadius: String
 open var borderTopStyle: String
 open var borderTopWidth: String
 open var borderWidth: String
 open var bottom: String
 open var boxDecorationBreak: String
 open var boxShadow: String
 open var boxSizing: String
 open var breakAfter: String
 open var breakBefore: String
 open var breakInside: String
 open var captionSide: String
 open var clear: String
 open var clip: String
 open var color: String
 open var columnCount: String
 open var columnFill: String
 open var columnGap: String
 open var columnRule: String
 open var columnRuleColor: String
 open var columnRuleStyle: String
 open var columnRuleWidth: String
 open var columnSpan: String
 open var columnWidth: String
 open var columns: String
 open var content: String
 open var counterIncrement: String
 open var counterReset: String
 open var cursor: String
 open var direction: String
 open var display: String
 open var emptyCells: String
 open var filter: String
 open var flex: String
 open var flexBasis: String
 open var flexDirection: String
 open var flexFlow: String
 open var flexGrow: String
 open var flexShrink: String
 open var flexWrap: String
 open var font: String
 open var fontFamily: String
 open var fontFeatureSettings: String
 open var fontKerning: String
 open var fontLanguageOverride: String
 open var fontSize: String
 open var fontSizeAdjust: String
 open var fontStretch: String
 open var fontStyle: String
 open var fontSynthesis: String
 open var fontVariant: String
 open var fontVariantAlternates: String
 open var fontVariantCaps: String
 open var fontVariantEastAsian: String
 open var fontVariantLigatures: String
 open var fontVariantNumeric: String
 open var fontVariantPosition: String
 open var fontWeight: String
 open var hangingPunctuation: String
 open var height: String
 open var hyphens: String
 open var imageOrientation: String
 open var imageRendering: String
 open var imageResolution: String
 open var imeMode: String
 open var justifyContent: String
 open var left: String
 open var letterSpacing: String
 open var lineBreak: String
 open var lineHeight: String
 open var listStyle: String
 open var listStyleImage: String
 open var listStylePosition: String
 open var listStyleType: String
 open var margin: String
 open var marginBottom: String
 open var marginLeft: String
 open var marginRight: String
 open var marginTop: String
 open

```

var mark: String\n  open var markAfter: String\n  open var markBefore: String\n  open var marks: String\n
open var marqueeDirection: String\n  open var marqueePlayCount: String\n  open var marqueeSpeed: String\n
open var marqueeStyle: String\n  open var mask: String\n  open var maskType: String\n  open var maxHeight:
String\n  open var maxWidth: String\n  open var minHeight: String\n  open var minWidth: String\n  open var
navDown: String\n  open var navIndex: String\n  open var navLeft: String\n  open var navRight: String\n  open
var navUp: String\n  open var objectFit: String\n  open var objectPosition: String\n  open var opacity: String\n
open var order: String\n  open var orphans: String\n  open var outline: String\n  open var outlineColor: String\n
open var outlineOffset: String\n  open var outlineStyle: String\n  open var outlineWidth: String\n  open var
overflowWrap: String\n  open var overflowX: String\n  open var overflowY: String\n  open var padding:
String\n  open var paddingBottom: String\n  open var paddingLeft: String\n  open var paddingRight: String\n
open var paddingTop: String\n  open var pageBreakAfter: String\n  open var pageBreakBefore: String\n  open
var pageBreakInside: String\n  open var perspective: String\n  open var perspectiveOrigin: String\n  open var
phonemes: String\n  open var position: String\n  open var quotes: String\n  open var resize: String\n  open var
rest: String\n  open var restAfter: String\n  open var restBefore: String\n  open var right: String\n  open var
tabSize: String\n  open var tableLayout: String\n  open var textAlign: String\n  open var textAlignLast: String\n
open var textCombineUpright: String\n  open var textDecoration: String\n  open var textDecorationColor:
String\n  open var textDecorationLine: String\n  open var textDecorationStyle: String\n  open var textIndent:
String\n  open var textJustify: String\n  open var textOrientation: String\n  open var textOverflow: String\n
open var textShadow: String\n  open var textTransform: String\n  open var textUnderlinePosition: String\n  open
var top: String\n  open var transform: String\n  open var transformOrigin: String\n  open var transformStyle:
String\n  open var transition: String\n  open var transitionDelay: String\n  open var transitionDuration: String\n
open var transitionProperty: String\n  open var transitionTimingFunction: String\n  open var unicodeBidi:
String\n  open var verticalAlign: String\n  open var visibility: String\n  open var voiceBalance: String\n  open
var voiceDuration: String\n  open var voicePitch: String\n  open var voicePitchRange: String\n  open var
voiceRate: String\n  open var voiceStress: String\n  open var voiceVolume: String\n  open var whiteSpace:
String\n  open var widows: String\n  open var width: String\n  open var wordBreak: String\n  open var
wordSpacing: String\n  open var wordWrap: String\n  open var writingMode: String\n  open var zIndex: String\n
  open var _dashed_attribute: String\n  open var _camel_cased_attribute: String\n  open var
_webkit_cased_attribute: String\n  fun getPropertyValue(property: String): String\n  fun
getPropertyPriority(property: String): String\n  fun setProperty(property: String, value: String, priority: String =
definedExternally)\n  fun setPropertyValue(property: String, value: String)\n  fun setPropertyPriority(property:
String, priority: String)\n  fun removeProperty(property: String): String\n  override fun item(index: Int):
String\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun CSSStyleDeclaration.get(index: Int): String? =
asDynamic()[index]\n\npublic external interface ElementCSSInlineStyle {\n  val style:
CSSStyleDeclaration\n}\n\n/**\n * Exposes the JavaScript
[CSS](https://developer.mozilla.org/en/docs/Web/API/CSS) to Kotlin\n */\npublic external abstract class CSS {\n
companion object {\n  fun escape(ident: String): String\n  }\n}\n\npublic external interface
UnionElementOrProcessingInstruction", "/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT EDIT!\n// See
github.com/kotlin/dukat for details\n\npackage org.w3c.dom.events\n\nimport kotlin.js.*\nimport
org.khronos.webgl.*\nimport org.w3c.css.masking.*\nimport org.w3c.dom.*\nimport
org.w3c.dom.clipboard.*\nimport org.w3c.dom.css.*\nimport org.w3c.dom.mediacapture.*\nimport
org.w3c.dom.parsing.*\nimport org.w3c.dom.pointerevents.*\nimport org.w3c.dom.svg.*\nimport
org.w3c.dom.url.*\nimport org.w3c.fetch.*\nimport org.w3c.files.*\nimport org.w3c.notifications.*\nimport
org.w3c.performance.*\nimport org.w3c.workers.*\nimport org.w3c.xhr.*\n\n/**\n * Exposes the JavaScript
[UIEvent](https://developer.mozilla.org/en/docs/Web/API/UIEvent) to Kotlin\n */\npublic external open class
UIEvent(type: String, eventInitDict: UIEventInit = definedExternally) : Event {\n  open val view: Window?\n

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open val detail: Int\n\n companion object {\n    val NONE: Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n } \n\n\npublic external interface UIEventInit :
EventInit {\n    var view: Window? /* = null */\n    get() = definedExternally\n    set(value) =
definedExternally\n    var detail: Int? /* = 0 */\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun UIEventInit(view: Window? = null, detail:
Int? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): UIEventInit {\n
    val o = js("{}")\n    o["view"] = view\n    o["detail"] = detail\n    o["bubbles"] = bubbles\n    o["cancelable"]
= cancelable\n    o["composed"] = composed\n    return o\n}\n\n/**\n * Exposes the JavaScript
[FocusEvent](https://developer.mozilla.org/en/docs/Web/API/FocusEvent) to Kotlin\n */\n\npublic external open class
FocusEvent(type: String, eventInitDict: FocusEventInit = definedExternally) : UIEvent {\n    open val relatedTarget:
EventTarget?\n\n    companion object {\n        val NONE: Short\n        val CAPTURING_PHASE: Short\n        val
AT_TARGET: Short\n        val BUBBLING_PHASE: Short\n    }\n\n\npublic external interface FocusEventInit :
UIEventInit {\n    var relatedTarget: EventTarget? /* = null */\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun FocusEventInit(relatedTarget: EventTarget?
= null, view: Window? = null, detail: Int? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed:
Boolean? = false): FocusEventInit {\n    val o = js("{}")\n    o["relatedTarget"] = relatedTarget\n    o["view"] =
view\n    o["detail"] = detail\n    o["bubbles"] = bubbles\n    o["cancelable"] = cancelable\n    o["composed"] =
composed\n    return o\n}\n\n\n/**\n * Exposes the JavaScript
[MouseEvent](https://developer.mozilla.org/en/docs/Web/API/MouseEvent) to Kotlin\n */\n\npublic external open
class MouseEvent(type: String, eventInitDict: MouseEventInit = definedExternally) : UIEvent,
UnionElementOrMouseEvent {\n    open val screenX: Int\n    open val screenY: Int\n    open val clientX: Int\n
open val clientY: Int\n    open val ctrlKey: Boolean\n    open val shiftKey: Boolean\n    open val altKey: Boolean\n
open val metaKey: Boolean\n    open val button: Short\n    open val buttons: Short\n    open val relatedTarget:
EventTarget?\n    open val region: String?\n    open val pageX: Double\n    open val pageY: Double\n    open val x:
Double\n    open val y: Double\n    open val offsetX: Double\n    open val offsetY: Double\n    fun
getModifierState(keyArg: String): Boolean\n\n    companion object {\n        val NONE: Short\n        val
CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val BUBBLING_PHASE: Short\n    }\n\n\npublic external interface MouseEventInit : EventModifierInit {\n    var screenX: Int? /* = 0 */\n    get() =
definedExternally\n    set(value) = definedExternally\n    var screenY: Int? /* = 0 */\n    get() =
definedExternally\n    set(value) = definedExternally\n    var clientX: Int? /* = 0 */\n    get() =
definedExternally\n    set(value) = definedExternally\n    var clientY: Int? /* = 0 */\n    get() =
definedExternally\n    set(value) = definedExternally\n    var button: Short? /* = 0 */\n    get() =
definedExternally\n    set(value) = definedExternally\n    var buttons: Short? /* = 0 */\n    get() =
definedExternally\n    set(value) = definedExternally\n    var relatedTarget: EventTarget? /* = null */\n    get()
= definedExternally\n    set(value) = definedExternally\n    var region: String? /* = null */\n    get() =
definedExternally\n    set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
MouseEventInit(screenX: Int? = 0, screenY: Int? = 0, clientX: Int? = 0, clientY: Int? = 0, button: Short? = 0, buttons:
Short? = 0, relatedTarget: EventTarget? = null, region: String? = null, ctrlKey: Boolean? = false, shiftKey: Boolean?
= false, altKey: Boolean? = false, metaKey: Boolean? = false, modifierAltGraph: Boolean? = false,
modifierCapsLock: Boolean? = false, modifierFn: Boolean? = false, modifierFnLock: Boolean? = false,
modifierHyper: Boolean? = false, modifierNumLock: Boolean? = false, modifierScrollLock: Boolean? = false,
modifierSuper: Boolean? = false, modifierSymbol: Boolean? = false, modifierSymbolLock: Boolean? = false, view:
Window? = null, detail: Int? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): MouseEventInit {\n    val o = js("{}")\n    o["screenX"] = screenX\n    o["screenY"] = screenY\n
o["clientX"] = clientX\n    o["clientY"] = clientY\n    o["button"] = button\n    o["buttons"] = buttons\n
o["relatedTarget"] = relatedTarget\n    o["region"] = region\n    o["ctrlKey"] = ctrlKey\n    o["shiftKey"] =
shiftKey\n    o["altKey"] = altKey\n    o["metaKey"] = metaKey\n    o["modifierAltGraph"] =
modifierAltGraph\n    o["modifierCapsLock"] = modifierCapsLock\n    o["modifierFn"] = modifierFn\n

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o["modifierFnLock"] = modifierFnLock\n  o["modifierHyper"] = modifierHyper\n  o["modifierNumLock"] =
modifierNumLock\n  o["modifierScrollLock"] = modifierScrollLock\n  o["modifierSuper"] = modifierSuper\n
o["modifierSymbol"] = modifierSymbol\n  o["modifierSymbolLock"] = modifierSymbolLock\n  o["view"] =
view\n  o["detail"] = detail\n  o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n  o["composed"] =
composed\n  return o\n}\n\npublic external interface EventModifierInit : UIEventInit {\n  var ctrlKey: Boolean?
/* = false */\n  get() = definedExternally\n  set(value) = definedExternally\n  var shiftKey: Boolean? /* =
false */\n  get() = definedExternally\n  set(value) = definedExternally\n  var altKey: Boolean? /* = false
*/\n  get() = definedExternally\n  set(value) = definedExternally\n  var metaKey: Boolean? /* = false */\n
get() = definedExternally\n  set(value) = definedExternally\n  var modifierAltGraph: Boolean? /* = false */\n
get() = definedExternally\n  set(value) = definedExternally\n  var modifierCapsLock: Boolean? /* = false
*/\n  get() = definedExternally\n  set(value) = definedExternally\n  var modifierFn: Boolean? /* = false */\n
get() = definedExternally\n  set(value) = definedExternally\n  var modifierFnLock: Boolean? /* = false */\n
get() = definedExternally\n  set(value) = definedExternally\n  var modifierHyper: Boolean? /* = false */\n
get() = definedExternally\n  set(value) = definedExternally\n  var modifierNumLock: Boolean? /* = false */\n
get() = definedExternally\n  set(value) = definedExternally\n  var modifierScrollLock: Boolean? /* = false
*/\n  get() = definedExternally\n  set(value) = definedExternally\n  var modifierSuper: Boolean? /* = false
*/\n  get() = definedExternally\n  set(value) = definedExternally\n  var modifierSymbol: Boolean? /* = false
*/\n  get() = definedExternally\n  set(value) = definedExternally\n  var modifierSymbolLock: Boolean? /* =
false */\n  get() = definedExternally\n  set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun EventModifierInit(ctrlKey: Boolean? =
false, shiftKey: Boolean? = false, altKey: Boolean? = false, metaKey: Boolean? = false, modifierAltGraph:
Boolean? = false, modifierCapsLock: Boolean? = false, modifierFn: Boolean? = false, modifierFnLock: Boolean? =
false, modifierHyper: Boolean? = false, modifierNumLock: Boolean? = false, modifierScrollLock: Boolean? = false,
modifierSuper: Boolean? = false, modifierSymbol: Boolean? = false, modifierSymbolLock: Boolean? = false, view:
Window? = null, detail: Int? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): EventModifierInit {\n  val o = js("{}")\n  o["ctrlKey"] = ctrlKey\n  o["shiftKey"] = shiftKey\n
o["altKey"] = altKey\n  o["metaKey"] = metaKey\n  o["modifierAltGraph"] = modifierAltGraph\n
o["modifierCapsLock"] = modifierCapsLock\n  o["modifierFn"] = modifierFn\n  o["modifierFnLock"] =
modifierFnLock\n  o["modifierHyper"] = modifierHyper\n  o["modifierNumLock"] = modifierNumLock\n
o["modifierScrollLock"] = modifierScrollLock\n  o["modifierSuper"] = modifierSuper\n
o["modifierSymbol"] = modifierSymbol\n  o["modifierSymbolLock"] = modifierSymbolLock\n  o["view"] =
view\n  o["detail"] = detail\n  o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n  o["composed"] =
composed\n  return o\n}\n\n/**\n * Exposes the JavaScript
[WheelEvent](https://developer.mozilla.org/en/docs/Web/API/WheelEvent) to Kotlin\n */\npublic external open
class WheelEvent(type: String, eventInitDict: WheelEventInit = definedExternally) : MouseEvent {\n  open val
deltaX: Double\n  open val deltaY: Double\n  open val deltaZ: Double\n  open val deltaMode: Int\n\n  companion object {\n    val DOM_DELTA_PIXEL: Int\n    val DOM_DELTA_LINE: Int\n    val
DOM_DELTA_PAGE: Int\n    val NONE: Short\n    val CAPTURING_PHASE: Short\n    val
AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n  }\n}\n\npublic external interface WheelEventInit :
MouseEventInit {\n  var deltaX: Double? /* = 0.0 */\n  get() = definedExternally\n  set(value) =
definedExternally\n  var deltaY: Double? /* = 0.0 */\n  get() = definedExternally\n  set(value) =
definedExternally\n  var deltaZ: Double? /* = 0.0 */\n  get() = definedExternally\n  set(value) =
definedExternally\n  var deltaMode: Int? /* = 0 */\n  get() = definedExternally\n  set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun WheelEventInit(deltaX: Double? = 0.0,
deltaY: Double? = 0.0, deltaZ: Double? = 0.0, deltaMode: Int? = 0, screenX: Int? = 0, screenY: Int? = 0, clientX:
Int? = 0, clientY: Int? = 0, button: Short? = 0, buttons: Short? = 0, relatedTarget: EventTarget? = null, region:
String? = null, ctrlKey: Boolean? = false, shiftKey: Boolean? = false, altKey: Boolean? = false, metaKey: Boolean?
= false, modifierAltGraph: Boolean? = false, modifierCapsLock: Boolean? = false, modifierFn: Boolean? = false,

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modifierFnLock: Boolean? = false, modifierHyper: Boolean? = false, modifierNumLock: Boolean? = false,
modifierScrollLock: Boolean? = false, modifierSuper: Boolean? = false, modifierSymbol: Boolean? = false,
modifierSymbolLock: Boolean? = false, view: Window? = null, detail: Int? = 0, bubbles: Boolean? = false,
cancelable: Boolean? = false, composed: Boolean? = false): WheelEventInit {\n  val o = js("{}")\n
o["deltaX"] = deltaX\n  o["deltaY"] = deltaY\n  o["deltaZ"] = deltaZ\n  o["deltaMode"] = deltaMode\n
o["screenX"] = screenX\n  o["screenY"] = screenY\n  o["clientX"] = clientX\n  o["clientY"] = clientY\n
o["button"] = button\n  o["buttons"] = buttons\n  o["relatedTarget"] = relatedTarget\n  o["region"] =
region\n  o["ctrlKey"] = ctrlKey\n  o["shiftKey"] = shiftKey\n  o["altKey"] = altKey\n  o["metaKey"] =
metaKey\n  o["modifierAltGraph"] = modifierAltGraph\n  o["modifierCapsLock"] = modifierCapsLock\n
o["modifierFn"] = modifierFn\n  o["modifierFnLock"] = modifierFnLock\n  o["modifierHyper"] =
modifierHyper\n  o["modifierNumLock"] = modifierNumLock\n  o["modifierScrollLock"] =
modifierScrollLock\n  o["modifierSuper"] = modifierSuper\n  o["modifierSymbol"] = modifierSymbol\n
o["modifierSymbolLock"] = modifierSymbolLock\n  o["view"] = view\n  o["detail"] = detail\n
o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n  o["composed"] = composed\n  return
o}\n}\n\n/**\n * Exposes the JavaScript [InputEvent](https://developer.mozilla.org/en/docs/Web/API/InputEvent) to
Kotlin\n *\npublic external open class InputEvent(type: String, eventInitDict: InputEventInit = definedExternally) :
UIEvent {\n  open val data: String\n  open val isComposing: Boolean\n\n  companion object {\n    val NONE:
Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE:
Short\n  }\n}\n\npublic external interface InputEventInit : UIEventInit {\n  var data: String? /* = "" */\n
get() = definedExternally\n  set(value) = definedExternally\n  var isComposing: Boolean? /* = false */\n
get() = definedExternally\n  set(value) = definedExternally}\n\n@kotlin.internal.InlineOnly\npublic inline fun
InputEventInit(data: String? = "", isComposing: Boolean? = false, view: Window? = null, detail: Int? = 0, bubbles:
Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): InputEventInit {\n  val o =
js("{}")\n  o["data"] = data\n  o["isComposing"] = isComposing\n  o["view"] = view\n  o["detail"] =
detail\n  o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n  o["composed"] = composed\n  return
o}\n}\n\n/**\n * Exposes the JavaScript
[KeyboardEvent](https://developer.mozilla.org/en/docs/Web/API/KeyboardEvent) to Kotlin\n *\npublic external
open class KeyboardEvent(type: String, eventInitDict: KeyboardEventInit = definedExternally) : UIEvent {\n
  open val key: String\n  open val code: String\n  open val location: Int\n  open val ctrlKey: Boolean\n  open val
shiftKey: Boolean\n  open val altKey: Boolean\n  open val metaKey: Boolean\n  open val repeat: Boolean\n
  open val isComposing: Boolean\n  open val charCode: Int\n  open val keyCode: Int\n  open val which: Int\n
  fun getModifierState(keyArg: String): Boolean\n\n  companion object {\n    val
DOM_KEY_LOCATION_STANDARD: Int\n    val DOM_KEY_LOCATION_LEFT: Int\n    val
DOM_KEY_LOCATION_RIGHT: Int\n    val DOM_KEY_LOCATION_NUMPAD: Int\n    val NONE:
Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE:
Short\n  }\n}\n\npublic external interface KeyboardEventInit : EventModifierInit {\n  var key: String? /* = "" */\n
get() = definedExternally\n  set(value) = definedExternally\n  var code: String? /* = "" */\n  get()
= definedExternally\n  set(value) = definedExternally\n  var location: Int? /* = 0 */\n  get() =
definedExternally\n  set(value) = definedExternally\n  var repeat: Boolean? /* = false */\n  get() =
definedExternally\n  set(value) = definedExternally\n  var isComposing: Boolean? /* = false */\n  get() =
definedExternally\n  set(value) = definedExternally}\n\n@kotlin.internal.InlineOnly\npublic inline fun
KeyboardEventInit(key: String? = "", code: String? = "", location: Int? = 0, repeat: Boolean? = false,
isComposing: Boolean? = false, ctrlKey: Boolean? = false, shiftKey: Boolean? = false, altKey: Boolean? = false,
metaKey: Boolean? = false, modifierAltGraph: Boolean? = false, modifierCapsLock: Boolean? = false, modifierFn:
Boolean? = false, modifierFnLock: Boolean? = false, modifierHyper: Boolean? = false, modifierNumLock:
Boolean? = false, modifierScrollLock: Boolean? = false, modifierSuper: Boolean? = false, modifierSymbol:
Boolean? = false, modifierSymbolLock: Boolean? = false, view: Window? = null, detail: Int? = 0, bubbles:
Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): KeyboardEventInit {\n  val o =

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js("{}")\n o["key"] = key\n o["code"] = code\n o["location"] = location\n o["repeat"] = repeat\n
o["isComposing"] = isComposing\n o["ctrlKey"] = ctrlKey\n o["shiftKey"] = shiftKey\n o["altKey"] =
altKey\n o["metaKey"] = metaKey\n o["modifierAltGraph"] = modifierAltGraph\n
o["modifierCapsLock"] = modifierCapsLock\n o["modifierFn"] = modifierFn\n o["modifierFnLock"] =
modifierFnLock\n o["modifierHyper"] = modifierHyper\n o["modifierNumLock"] = modifierNumLock\n
o["modifierScrollLock"] = modifierScrollLock\n o["modifierSuper"] = modifierSuper\n
o["modifierSymbol"] = modifierSymbol\n o["modifierSymbolLock"] = modifierSymbolLock\n o["view"] =
view\n o["detail"] = detail\n o["bubbles"] = bubbles\n o["cancelable"] = cancelable\n o["composed"] =
composed\n return o\n}\n\n/**\n * Exposes the JavaScript
[CompositionEvent](https://developer.mozilla.org/en/docs/Web/API/CompositionEvent) to Kotlin\n *\npublic
external open class CompositionEvent(type: String, eventInitDict: CompositionEventInit = definedExternally) :
UIEvent {\n open val data: String\n\n companion object {\n val NONE: Short\n val
CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val BUBBLING_PHASE: Short\n
}\n}\n\npublic external interface CompositionEventInit : UIEventInit {\n var data: String? /* = "" */\n get() =
definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
CompositionEventInit(data: String? = "", view: Window? = null, detail: Int? = 0, bubbles: Boolean? = false,
cancelable: Boolean? = false, composed: Boolean? = false): CompositionEventInit {\n val o = js("{}")\n
o["data"] = data\n o["view"] = view\n o["detail"] = detail\n o["bubbles"] = bubbles\n o["cancelable"]
= cancelable\n o["composed"] = composed\n return o\n}\n\n/**\n * Exposes the JavaScript
[Event](https://developer.mozilla.org/en/docs/Web/API/Event) to Kotlin\n *\npublic external open class
Event(type: String, eventInitDict: EventInit = definedExternally) {\n open val type: String\n open val target:
EventTarget?\n open val currentTarget: EventTarget?\n open val eventPhase: Short\n open val bubbles:
Boolean\n open val cancelable: Boolean\n open val defaultPrevented: Boolean\n open val composed:
Boolean\n open val isTrusted: Boolean\n open val timeStamp: Number\n fun composedPath():
Array<EventTarget>\n fun stopPropagation()\n fun stopImmediatePropagation()\n fun preventDefault()\n
fun initEvent(type: String, bubbles: Boolean, cancelable: Boolean)\n\n companion object {\n val NONE:
Short\n val CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val BUBBLING_PHASE:
Short\n }\n}\n\n/**\n * Exposes the JavaScript
[EventTarget](https://developer.mozilla.org/en/docs/Web/API/EventTarget) to Kotlin\n *\npublic external abstract
class EventTarget {\n fun addEventListener(type: String, callback: EventListener?, options: dynamic =
definedExternally)\n fun addEventListener(type: String, callback: ((Event) -> Unit)?, options: dynamic =
definedExternally)\n fun removeEventListener(type: String, callback: EventListener?, options: dynamic =
definedExternally)\n fun removeEventListener(type: String, callback: ((Event) -> Unit)?, options: dynamic =
definedExternally)\n fun dispatchEvent(event: Event): Boolean\n}\n\n/**\n * Exposes the JavaScript
[EventListener](https://developer.mozilla.org/en/docs/Web/API/EventListener) to Kotlin\n *\npublic external
interface EventListener {\n fun handleEvent(event: Event)\n}\n\n/* Copyright 2010-2019 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT
EDIT!\n\n See github.com/kotlin/dukat for details\n\npackage org.w3c.dom\n\nimport kotlin.js.*\nimport
org.khronos.webgl.*\nimport org.w3c.css.masking.*\nimport org.w3c.dom.clipboard.*\nimport
org.w3c.dom.css.*\nimport org.w3c.dom.events.*\nimport org.w3c.dom.mediacapture.*\nimport
org.w3c.dom.parsing.*\nimport org.w3c.dom.pointerevents.*\nimport org.w3c.dom.svg.*\nimport
org.w3c.dom.url.*\nimport org.w3c.fetch.*\nimport org.w3c.files.*\nimport org.w3c.notifications.*\nimport
org.w3c.performance.*\nimport org.w3c.workers.*\nimport org.w3c.xhr.*\n\npublic external abstract class
HTMLAllCollection {\n open val length: Int\n fun item(nameOrIndex: String = definedExternally):
UnionElementOrHTMLCollection?\n fun namedItem(name: String):
UnionElementOrHTMLCollection?}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun
HTMLAllCollection.get(index: Int): Element? = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline

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operator fun HTMLAllCollection.get(name: String): UnionElementOrHTMLCollection? =
asDynamic()[name]\n\n/**\n * Exposes the JavaScript
[HTMLFormControlsCollection](https://developer.mozilla.org/en/docs/Web/API/HTMLFormControlsCollection)
to Kotlin\n\n *^\npublic external abstract class HTMLFormControlsCollection : HTMLCollection\n\n/**\n * Exposes
the JavaScript [RadioNodeList](https://developer.mozilla.org/en/docs/Web/API/RadioNodeList) to Kotlin\n
*^\npublic external abstract class RadioNodeList : NodeList, UnionElementOrRadioNodeList {\n  open var value:
String\n}\n\n/**\n * Exposes the JavaScript
[HTMLOptionsCollection](https://developer.mozilla.org/en/docs/Web/API/HTMLOptionsCollection) to Kotlin\n
*^\npublic external abstract class HTMLOptionsCollection : HTMLCollection {\n  override var length: Int\n  open
var selectedIndex: Int\n  fun add(element: UnionHTMLOptGroupElementOrHTMLOptionElement, before:
dynamic = definedExternally)\n  fun remove(index: Int)\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun HTMLOptionsCollection.set(index: Int, option: HTMLOptionElement?) { asDynamic()[index] = option
}\n\n/**\n * Exposes the JavaScript
[HTMLInputElement](https://developer.mozilla.org/en/docs/Web/API/HTMLInputElement) to Kotlin\n\n *^\npublic external
abstract class HTMLInputElement : Element, GlobalEventHandlers, DocumentAndElementEventHandlers,
ElementContentEditable, ElementCSSInlineStyle {\n  open var title: String\n  open var lang: String\n  open var
translate: Boolean\n  open var dir: String\n  open val dataset: DOMStringMap\n  open var hidden: Boolean\n
open var tabIndex: Int\n  open var accessKey: String\n  open val accessKeyLabel: String\n  open var draggable:
Boolean\n  open val dropzone: DOMTokenList\n  open var contextMenu: HTMLMenuElement?\n  open var
spellcheck: Boolean\n  open var innerText: String\n  open val offsetParent: Element?\n  open val offsetTop: Int\n
open val offsetLeft: Int\n  open val offsetWidth: Int\n  open val offsetHeight: Int\n  fun click()\n  fun focus()\n
fun blur()\n  fun forceSpellCheck()\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[HTMLUnknownElement](https://developer.mozilla.org/en/docs/Web/API/HTMLUnknownElement) to Kotlin\n\n
*^\npublic external abstract class HTMLUnknownElement : HTMLInputElement {\n  companion object {\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[DOMStringMap](https://developer.mozilla.org/en/docs/Web/API/DOMStringMap) to Kotlin\n\n *^\npublic external
abstract class DOMStringMap\n\n@kotlin.internal.InlineOnly\npublic inline operator fun
DOMStringMap.get(name: String): String? = asDynamic()[name]\n\n@kotlin.internal.InlineOnly\npublic inline
operator fun DOMStringMap.set(name: String, value: String) { asDynamic()[name] = value }\n\n/**\n * Exposes
the JavaScript [HTMLHtmlElement](https://developer.mozilla.org/en/docs/Web/API/HTMLHtmlElement) to
Kotlin\n\n *^\npublic external abstract class HTMLHtmlElement : HTMLInputElement {\n  open var version: String\n}

```

```

companion object {
    val ELEMENT_NODE: Short
    val ATTRIBUTE_NODE: Short
    val TEXT_NODE: Short
    val CDATA_SECTION_NODE: Short
    val ENTITY_REFERENCE_NODE: Short
    val ENTITY_NODE: Short
    val PROCESSING_INSTRUCTION_NODE: Short
    val COMMENT_NODE: Short
    val DOCUMENT_NODE: Short
    val DOCUMENT_TYPE_NODE: Short
    val DOCUMENT_FRAGMENT_NODE: Short
    val NOTATION_NODE: Short
    val DOCUMENT_POSITION_DISCONNECTED: Short
    val DOCUMENT_POSITION_PRECEDING: Short
    val DOCUMENT_POSITION_FOLLOWING: Short
    val DOCUMENT_POSITION_CONTAINS: Short
    val DOCUMENT_POSITION_CONTAINED_BY: Short
}

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short }
}

Exposes the JavaScript [HTMLHeadElement](https://developer.mozilla.org/en/docs/Web/API/HTMLHeadElement) to Kotlin

public external abstract class HTMLHeadElement : HTMLElement {
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
    }
}

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short }
}

Exposes the JavaScript [HTMLTitleElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTitleElement) to Kotlin

public external abstract class HTMLTitleElement : HTMLElement {
    open var text: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
    }
}

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short }
}

Exposes the JavaScript [HTMLBaseElement](https://developer.mozilla.org/en/docs/Web/API/HTMLBaseElement) to Kotlin

public external abstract class HTMLBaseElement : HTMLElement {
    open var href: String
    open var target: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
    }
}

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short }
}

Exposes the JavaScript [HTMLLinkElement](https://developer.mozilla.org/en/docs/Web/API/HTMLLinkElement) to Kotlin

public external abstract class HTMLLinkElement : HTMLElement, LinkStyle {
    open var href: String
    open var crossOrigin: String?
    open var rel: String
    open var `as`: RequestDestination
    open val relList: DOMTokenList
    open var media: String
    open var nonce: String
    open var hreflang: String
    open var type: String
    open val sizes: DOMTokenList
    open var referrerPolicy: String
    open var charset: String
    open var rev: String
    open var target: String
    open var scope: String
    open var workerType:

```

```

WorkerType companion object {
    val ELEMENT_NODE: Short
    val ATTRIBUTE_NODE: Short
    val TEXT_NODE: Short
    val CDATA_SECTION_NODE: Short
    val ENTITY_REFERENCE_NODE: Short
    val ENTITY_NODE: Short
    val PROCESSING_INSTRUCTION_NODE: Short
    val COMMENT_NODE: Short
    val DOCUMENT_NODE: Short
    val DOCUMENT_TYPE_NODE: Short
    val DOCUMENT_FRAGMENT_NODE: Short
    val NOTATION_NODE: Short
    val DOCUMENT_POSITION_DISCONNECTED: Short
    val DOCUMENT_POSITION_PRECEDING: Short
    val DOCUMENT_POSITION_FOLLOWING: Short
    val DOCUMENT_POSITION_CONTAINS: Short
    val DOCUMENT_POSITION_CONTAINED_BY: Short
    DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short }
}

/** Exposes the JavaScript [HTMLMetaElement](https://developer.mozilla.org/en/docs/Web/API/HTMLMetaElement) to Kotlin
 * public external abstract class HTMLMetaElement : HTMLElement {
    open var name: String
    open var httpEquiv: String
    open var content: String
    open var scheme: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short }
}

/** Exposes the JavaScript [HTMLStyleElement](https://developer.mozilla.org/en/docs/Web/API/HTMLStyleElement) to Kotlin
 * public external abstract class HTMLStyleElement : HTMLElement, LinkStyle {
    open var media: String
    open var nonce: String
    open var type: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short }
}

/** Exposes the JavaScript [HTMLBodyElement](https://developer.mozilla.org/en/docs/Web/API/HTMLBodyElement) to Kotlin
 * public external abstract class HTMLBodyElement : HTMLElement, WindowEventHandlers {
    open var text: String
    open var link: String
    open var vLink: String
    open var aLink: String
    open var bgColor: String
    open var background: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short }
}

/** Exposes the JavaScript [HTMLHeadingElement](https://developer.mozilla.org/en/docs/Web/API/HTMLHeadingElement) to Kotlin

```

```

*public external abstract class HTMLHeadingElement : HTMLInputElement {
    open var align: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}

/** Exposes the JavaScript [HTMLParagraphElement](https://developer.mozilla.org/en/docs/Web/API/HTMLParagraphElement) to Kotlin */
*public external abstract class HTMLParagraphElement : HTMLInputElement {
    open var align: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}

/** Exposes the JavaScript [HTMLHRElement](https://developer.mozilla.org/en/docs/Web/API/HTMLHRElement) to Kotlin */
*public external abstract class HTMLHRElement : HTMLInputElement {
    open var align: String
    open var color: String
    open var noShade: Boolean
    open var size: String
    open var width: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}

/** Exposes the JavaScript [HTMLPreElement](https://developer.mozilla.org/en/docs/Web/API/HTMLPreElement) to Kotlin */
*public external abstract class HTMLPreElement : HTMLInputElement {
    open var width: Int
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}

/** Exposes the JavaScript [HTMLQuoteElement](https://developer.mozilla.org/en/docs/Web/API/HTMLQuoteElement) to Kotlin */
*public external abstract class HTMLQuoteElement : HTMLInputElement {
    open var cite: String
    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
    }
}

```



```

DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLDivElement](https://developer.mozilla.org/en/docs/Web/API/HTMLDivElement) to Kotlin \n * \n public
external abstract class HTMLDivElement : HTMLElement { \n    open var align: String \n \n    companion object { \n
    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLAnchorElement](https://developer.mozilla.org/en/docs/Web/API/HTMLAnchorElement) to Kotlin \n
* \n public external abstract class HTMLAnchorElement : HTMLElement, HTMLHyperlinkElementUtils { \n    open
var target: String \n    open var download: String \n    open var ping: String \n    open var rel: String \n    open val
relList: DOMTokenList \n    open var hreflang: String \n    open var type: String \n    open var text: String \n    open
var referrerPolicy: String \n    open var coords: String \n    open var charset: String \n    open var name: String \n
    open var rev: String \n    open var shape: String \n \n    companion object { \n    val ELEMENT_NODE: Short\n
    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n
    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLDataElement](https://developer.mozilla.org/en/docs/Web/API/HTMLDataElement) to Kotlin \n * \n public
external abstract class HTMLDataElement : HTMLElement { \n    open var value: String \n \n    companion object { \n
    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLTimeElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTimeElement) to Kotlin \n * \n public
external abstract class HTMLTimeElement : HTMLElement { \n    open var dateTime: String \n \n    companion
object { \n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE:
Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val
ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE:
Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val

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DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLSpanElement](https://developer.mozilla.org/en/docs/Web/API/HTMLSpanElement) to Kotlin \n * \n public
external abstract class HTMLSpanElement : HTMLInputElement { \n    companion object { \n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLBRElement](https://developer.mozilla.org/en/docs/Web/API/HTMLBRElement) to Kotlin \n * \n public
external abstract class HTMLBRElement : HTMLInputElement { \n    open var clear: String \n \n    companion object { \n
    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLHyperlinkElementUtils](https://developer.mozilla.org/en/docs/Web/API/HTMLHyperlinkElementUtils) to
Kotlin \n * \n public external interface HTMLHyperlinkElementUtils { \n    var href: String \n    val origin: String \n
var protocol: String \n    var username: String \n    var password: String \n    var host: String \n    var hostname:
String \n    var port: String \n    var pathname: String \n    var search: String \n    var hash: String \n} \n \n /** \n * Exposes
the JavaScript [HTMLModElement](https://developer.mozilla.org/en/docs/Web/API/HTMLModElement) to
Kotlin \n * \n public external abstract class HTMLModElement : HTMLInputElement { \n    open var cite: String \n    open
var dateTime: String \n \n    companion object { \n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLPictureElement](https://developer.mozilla.org/en/docs/Web/API/HTMLPictureElement) to Kotlin \n
* \n public external abstract class HTMLPictureElement : HTMLInputElement { \n    companion object { \n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val

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DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val

DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n val DOCUMENT_POSITION_CONTAINED_BY: Short\n val

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }n}\n\n/**\n * Exposes the JavaScript [HTMLSourceElement](https://developer.mozilla.org/en/docs/Web/API/HTMLSourceElement) to Kotlin\n */\npublic external abstract class HTMLSourceElement : HTMLInputElement {\n open var src: String\n open var type: String\n open var srcset: String\n open var sizes: String\n open var media: String\n\n companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val

ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val

DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val

DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n val DOCUMENT_POSITION_CONTAINED_BY: Short\n val

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }n}\n\n/**\n * Exposes the JavaScript [HTMLImageElement](https://developer.mozilla.org/en/docs/Web/API/HTMLImageElement) to Kotlin\n */\npublic external abstract class HTMLImageElement : HTMLInputElement, HTMLImageElement, TexImageSource {\n open var alt: String\n open var src: String\n open var srcset: String\n open var sizes: String\n open var crossOrigin: String?\n open var useMap: String\n open var isMap: Boolean\n open var width: Int\n open var height: Int\n open val naturalWidth: Int\n open val naturalHeight: Int\n open val complete: Boolean\n open val currentSrc: String\n open var referrerPolicy: String\n open var name: String\n open var lowsrc: String\n open var align: String\n open var hspace: Int\n open var vspace: Int\n open var longDesc: String\n open var border: String\n open val x: Int\n open val y: Int\n\n companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val

DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val

DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n val DOCUMENT_POSITION_CONTAINED_BY: Short\n val

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }n}\n\n/**\n * Exposes the JavaScript [HTMLIFrameElement](https://developer.mozilla.org/en/docs/Web/API/HTMLIFrameElement) to Kotlin\n */\npublic external abstract class HTMLIFrameElement : HTMLInputElement {\n open var src: String\n open var srcdoc: String\n open var name: String\n open val sandbox: DOMTokenList\n open var allowFullscreen: Boolean\n open var allowUserMedia: Boolean\n open var width: String\n open var height: String\n open var referrerPolicy: String\n open val contentDocument: Document?\n open val contentWindow: Window?\n open var align: String\n open var scrolling: String\n open var frameBorder: String\n open var longDesc: String\n open var marginHeight: String\n open var marginWidth: String\n fun getSVGDocument(): Document?\n\n companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val

DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n

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    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLEmbedElement](https://developer.mozilla.org/en/docs/Web/API/HTMLEmbedElement) to Kotlin\n
*\n\npublic external abstract class HTMLEmbedElement : HTMLElement {\n    open var src: String\n    open var
type: String\n    open var width: String\n    open var height: String\n    open var align: String\n    open var name:
String\n    fun getSVGDocument(): Document?\n\n    companion object {\n        val ELEMENT_NODE: Short\n
        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n
        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLObjectElement](https://developer.mozilla.org/en/docs/Web/API/HTMLObjectElement) to Kotlin\n
*\n\npublic external abstract class HTMLObjectElement : HTMLElement {\n    open var data: String\n    open var
type: String\n    open var typeMustMatch: Boolean\n    open var name: String\n    open var useMap: String\n    open
val form: HTMLFormElement?\n    open var width: String\n    open var height: String\n    open val
contentDocument: Document?\n    open val contentWindow: Window?\n    open val willValidate: Boolean\n    open
val validity: ValidityState\n    open val validationMessage: String\n    open var align: String\n    open var archive:
String\n    open var code: String\n    open var declare: Boolean\n    open var hspace: Int\n    open var standby:
String\n    open var vspace: Int\n    open var codeBase: String\n    open var codeType: String\n    open var border:
String\n    fun getSVGDocument(): Document?\n    fun checkValidity(): Boolean\n    fun reportValidity():
Boolean\n    fun setCustomValidity(error: String)\n\n    companion object {\n        val ELEMENT_NODE: Short\n
        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n
        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLParamElement](https://developer.mozilla.org/en/docs/Web/API/HTMLParamElement) to Kotlin\n
*\n\npublic external abstract class HTMLParamElement : HTMLElement {\n    open var name: String\n    open var
value: String\n    open var type: String\n    open var valueType: String\n\n    companion object {\n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLVideoElement](https://developer.mozilla.org/en/docs/Web/API/HTMLVideoElement) to Kotlin\n
*\n\npublic external abstract class HTMLVideoElement : HTMLMediaElement, CanvasImageSource, TexImageSource {\n

```

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open var width: Int\n open var height: Int\n open val videoWidth: Int\n open val videoHeight: Int\n open var
poster: String\n open var playsInline: Boolean\n\n companion object {\n val NETWORK_EMPTY: Short\n
val NETWORK_IDLE: Short\n val NETWORK_LOADING: Short\n val NETWORK_NO_SOURCE:
Short\n val HAVE_NOTHING: Short\n val HAVE_METADATA: Short\n val
HAVE_CURRENT_DATA: Short\n val HAVE_FUTURE_DATA: Short\n val HAVE_ENOUGH_DATA:
Short\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n
val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val
ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE:
Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLAudioElement](https://developer.mozilla.org/en/docs/Web/API/HTMLAudioElement) to Kotlin\n
*/\n\npublic external abstract class HTMLAudioElement : HTMLMediaElement {\n companion object {\n val
NETWORK_EMPTY: Short\n val NETWORK_IDLE: Short\n val NETWORK_LOADING: Short\n
val NETWORK_NO_SOURCE: Short\n val HAVE_NOTHING: Short\n val HAVE_METADATA:
Short\n val HAVE_CURRENT_DATA: Short\n val HAVE_FUTURE_DATA: Short\n val
HAVE_ENOUGH_DATA: Short\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n
val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE:
Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val
COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n
val DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLTrackElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTrackElement) to Kotlin\n
*/\n\npublic external abstract class HTMLTrackElement : HTMLMediaElement {\n open var kind: String\n open var src: String\n
open var srclang: String\n open var label: String\n open var default: Boolean\n open val readyState: Short\n
open val track: TextTrack\n\n companion object {\n val NONE: Short\n val LOADING: Short\n val
LOADED: Short\n val ERROR: Short\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE:
Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLMediaElement](https://developer.mozilla.org/en/docs/Web/API/HTMLMediaElement) to Kotlin\n
*/\n\npublic external abstract class HTMLMediaElement : HTMLMediaElement {\n open val error: MediaError?\n open
var src: String\n open var srcObject: dynamic\n open val currentSrc: String\n open var crossOrigin: String?\n
open val networkState: Short\n open var preload: String\n open val buffered: TimeRanges\n open val
readyState: Short\n open val seeking: Boolean\n open var currentTime: Double\n open val duration: Double\n
open val paused: Boolean\n open var defaultPlaybackRate: Double\n open var playbackRate: Double\n open

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val played: TimeRanges\n open val seekable: TimeRanges\n open val ended: Boolean\n open var autoplay:
Boolean\n open var loop: Boolean\n open var controls: Boolean\n open var volume: Double\n open var
muted: Boolean\n open var defaultMuted: Boolean\n open val audioTracks: AudioTrackList\n open val
videoTracks: VideoTrackList\n open val textTracks: TextTrackList\n fun load()\n fun canPlayType(type:
String): CanPlayTypeResult\n fun fastSeek(time: Double)\n fun getStartDate(): dynamic\n fun play():
Promise<Unit>\n fun pause()\n fun addTextTrack(kind: TextTrackKind, label: String = definedExternally,
language: String = definedExternally): TextTrack\n\n companion object {\n val NETWORK_EMPTY:
Short\n val NETWORK_IDLE: Short\n val NETWORK_LOADING: Short\n val
NETWORK_NO_SOURCE: Short\n val HAVE_NOTHING: Short\n val HAVE_METADATA: Short\n
val HAVE_CURRENT_DATA: Short\n val HAVE_FUTURE_DATA: Short\n val
HAVE_ENOUGH_DATA: Short\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n
val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE:
Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val
COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n
val DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n\n/**\n * Exposes the JavaScript
[MediaError](https://developer.mozilla.org/en/docs/Web/API/MediaError) to Kotlin\n */\npublic external abstract
class MediaError {\n open val code: Short\n\n companion object {\n val MEDIA_ERR_ABORTED: Short\n
val MEDIA_ERR_NETWORK: Short\n val MEDIA_ERR_DECODE: Short\n val
MEDIA_ERR_SRC_NOT_SUPPORTED: Short\n }\n\n/**\n * Exposes the JavaScript
[AudioTrackList](https://developer.mozilla.org/en/docs/Web/API/AudioTrackList) to Kotlin\n */\npublic external
abstract class AudioTrackList : EventTarget {\n open val length: Int\n open var onchange: ((Event) ->
dynamic)?\n open var onaddtrack: ((TrackEvent) -> dynamic)?\n open var onremovetrack: ((TrackEvent) ->
dynamic)?\n fun getTrackById(id: String): AudioTrack?\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun AudioTrackList.get(index: Int): AudioTrack? = asDynamic()[index]\n\n/**\n * Exposes the JavaScript
[AudioTrack](https://developer.mozilla.org/en/docs/Web/API/AudioTrack) to Kotlin\n */\npublic external abstract
class AudioTrack : UnionAudioTrackOrTextTrackOrVideoTrack {\n open val id: String\n open val kind:
String\n open val label: String\n open val language: String\n open var enabled: Boolean\n}\n\n/**\n * Exposes
the JavaScript [VideoTrackList](https://developer.mozilla.org/en/docs/Web/API/VideoTrackList) to Kotlin\n
*/\npublic external abstract class VideoTrackList : EventTarget {\n open val length: Int\n open val
selectedIndex: Int\n open var onchange: ((Event) -> dynamic)?\n open var onaddtrack: ((TrackEvent) ->
dynamic)?\n open var onremovetrack: ((TrackEvent) -> dynamic)?\n fun getTrackById(id: String):
VideoTrack?\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun VideoTrackList.get(index: Int):
VideoTrack? = asDynamic()[index]\n\n/**\n * Exposes the JavaScript
[VideoTrack](https://developer.mozilla.org/en/docs/Web/API/VideoTrack) to Kotlin\n */\npublic external abstract
class VideoTrack : UnionAudioTrackOrTextTrackOrVideoTrack {\n open val id: String\n open val kind:
String\n open val label: String\n open val language: String\n open var selected: Boolean\n}\n\npublic external
abstract class TextTrackList : EventTarget {\n open val length: Int\n open var onchange: ((Event) ->
dynamic)?\n open var onaddtrack: ((TrackEvent) -> dynamic)?\n open var onremovetrack: ((TrackEvent) ->
dynamic)?\n fun getTrackById(id: String): TextTrack?\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun TextTrackList.get(index: Int): TextTrack? = asDynamic()[index]\n\n/**\n * Exposes the JavaScript
[TextTrack](https://developer.mozilla.org/en/docs/Web/API/TextTrack) to Kotlin\n */\npublic external abstract
class TextTrack : EventTarget, UnionAudioTrackOrTextTrackOrVideoTrack {\n open val kind: TextTrackKind\n
open val label: String\n open val language: String\n open val id: String\n open val
inBandMetadataTrackDispatchType: String\n open var mode: TextTrackMode\n open val cues:

```

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TextTrackCueList? \n open val activeCues: TextTrackCueList? \n open var oncuechange: ((Event) ->
dynamic)? \n fun addCue(cue: TextTrackCue) \n fun removeCue(cue: TextTrackCue) \n \n \n public external
abstract class TextTrackCueList { \n open val length: Int \n fun getCueById(id: String):
TextTrackCue? \n \n \n @kotlin.internal.InlineOnly \n public inline operator fun TextTrackCueList.get(index: Int):
TextTrackCue? = asDynamic()[index] \n \n \n * Exposes the JavaScript
[TextTrackCue](https://developer.mozilla.org/en/docs/Web/API/TextTrackCue) to Kotlin \n * \n \n public external
abstract class TextTrackCue : EventTarget { \n open val track: TextTrack? \n open var id: String \n open var
startTime: Double \n open var endTime: Double \n open var pauseOnExit: Boolean \n open var onenter: ((Event)
-> dynamic)? \n open var onexit: ((Event) -> dynamic)? \n \n \n * Exposes the JavaScript
[TimeRanges](https://developer.mozilla.org/en/docs/Web/API/TimeRanges) to Kotlin \n * \n \n public external abstract
class TimeRanges { \n open val length: Int \n fun start(index: Int): Double \n fun end(index: Int):
Double \n \n \n * Exposes the JavaScript
[TrackEvent](https://developer.mozilla.org/en/docs/Web/API/TrackEvent) to Kotlin \n * \n \n public external open class
TrackEvent(type: String, eventInitDict: TrackEventInit = definedExternally) : Event { \n open val track:
UnionAudioTrackOrTextTrackOrVideoTrack? \n \n companion object { \n val NONE: Short \n val
CAPTURING_PHASE: Short \n val AT_TARGET: Short \n val BUBBLING_PHASE: Short \n
} \n \n \n public external interface TrackEventInit : EventInit { \n var track:
UnionAudioTrackOrTextTrackOrVideoTrack? /* = null */ \n get() = definedExternally \n set(value) =
definedExternally \n \n \n @kotlin.internal.InlineOnly \n public inline fun TrackEventInit(track:
UnionAudioTrackOrTextTrackOrVideoTrack? = null, bubbles: Boolean? = false, cancelable: Boolean? = false,
composed: Boolean? = false): TrackEventInit { \n val o = js("{}") \n o["track"] = track \n o["bubbles"] =
bubbles \n o["cancelable"] = cancelable \n o["composed"] = composed \n return o \n \n \n * Exposes the
JavaScript [HTMLElement](https://developer.mozilla.org/en/docs/Web/API/HTMLElement) to Kotlin \n
* \n \n public external abstract class HTMLElement : HTMLDivElement { \n open var name: String \n open val
areas: HTMLCollection \n \n companion object { \n val ELEMENT_NODE: Short \n val
ATTRIBUTE_NODE: Short \n val TEXT_NODE: Short \n val CDATA_SECTION_NODE: Short \n val
ENTITY_REFERENCE_NODE: Short \n val ENTITY_NODE: Short \n val
PROCESSING_INSTRUCTION_NODE: Short \n val COMMENT_NODE: Short \n val
DOCUMENT_NODE: Short \n val DOCUMENT_TYPE_NODE: Short \n val
DOCUMENT_FRAGMENT_NODE: Short \n val NOTATION_NODE: Short \n val
DOCUMENT_POSITION_DISCONNECTED: Short \n val DOCUMENT_POSITION_PRECEDING: Short \n
val DOCUMENT_POSITION_FOLLOWING: Short \n val DOCUMENT_POSITION_CONTAINS: Short \n
val DOCUMENT_POSITION_CONTAINED_BY: Short \n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short \n } \n \n \n * Exposes the JavaScript
[HTMLAreaElement](https://developer.mozilla.org/en/docs/Web/API/HTMLAreaElement) to Kotlin \n * \n \n public
external abstract class HTMLAreaElement : HTMLDivElement, HTMLHyperlinkElementUtils { \n open var alt:
String \n open var coords: String \n open var shape: String \n open var target: String \n open var download:
String \n open var ping: String \n open var rel: String \n open val relList: DOMTokenList \n open var
referrerPolicy: String \n open var noHref: Boolean \n \n companion object { \n val ELEMENT_NODE:
Short \n val ATTRIBUTE_NODE: Short \n val TEXT_NODE: Short \n val CDATA_SECTION_NODE:
Short \n val ENTITY_REFERENCE_NODE: Short \n val ENTITY_NODE: Short \n val
PROCESSING_INSTRUCTION_NODE: Short \n val COMMENT_NODE: Short \n val
DOCUMENT_NODE: Short \n val DOCUMENT_TYPE_NODE: Short \n val
DOCUMENT_FRAGMENT_NODE: Short \n val NOTATION_NODE: Short \n val
DOCUMENT_POSITION_DISCONNECTED: Short \n val DOCUMENT_POSITION_PRECEDING: Short \n
val DOCUMENT_POSITION_FOLLOWING: Short \n val DOCUMENT_POSITION_CONTAINS: Short \n
val DOCUMENT_POSITION_CONTAINED_BY: Short \n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short \n } \n \n \n * Exposes the JavaScript

```


[HTMLTableElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTableElement) to Kotlin

```

*public external abstract class HTMLTableElement : HTMLElement {
    open var caption: HTMLTableCaptionElement?
    open var tHead: HTMLTableSectionElement?
    open var tFoot: HTMLTableSectionElement?
    open val tBodies: HTMLCollection
    open val rows: HTMLCollection
    open var align: String
    open var border: String
    open var frame: String
    open var rules: String
    open var summary: String
    open var width: String
    open var bgColor: String
    open var cellPadding: String
    open var cellSpacing: String
    fun createCaption(): HTMLTableCaptionElement
    fun deleteCaption()
    fun createTHead(): HTMLTableSectionElement
    fun deleteTHead()
    fun createTFoot(): HTMLTableSectionElement
    fun deleteTFoot()
    fun createTBody(): HTMLTableSectionElement
    fun insertRow(index: Int = definedExternally): HTMLTableRowElement
    fun deleteRow(index: Int)

    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}

```

[HTMLTableCaptionElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTableCaptionElement) to Kotlin

```

*public external abstract class HTMLTableCaptionElement : HTMLElement {
    open var align: String

    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}

```

[HTMLTableColElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTableColElement) to Kotlin

```

*public external abstract class HTMLTableColElement : HTMLElement {
    open var span: Int
    open var align: String
    open var ch: String
    open var chOff: String
    open var vAlign: String
    open var width: String

    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE: Short
        val ENTITY_NODE: Short
        val PROCESSING_INSTRUCTION_NODE: Short
        val COMMENT_NODE: Short
        val DOCUMENT_NODE: Short
        val DOCUMENT_TYPE_NODE: Short
        val DOCUMENT_FRAGMENT_NODE: Short
        val NOTATION_NODE: Short
        val DOCUMENT_POSITION_DISCONNECTED: Short
        val DOCUMENT_POSITION_PRECEDING: Short
        val DOCUMENT_POSITION_FOLLOWING: Short
        val DOCUMENT_POSITION_CONTAINS: Short
        val DOCUMENT_POSITION_CONTAINED_BY: Short
        val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short
    }
}

```

[HTMLTableSectionElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTableSectionElement) to Kotlin

```

*public external abstract class HTMLTableSectionElement : HTMLElement {
    open val rows: HTMLCollection
    open var align: String
    open var ch: String
    open var chOff: String
    open var vAlign: String
    fun insertRow(index: Int = definedExternally): HTMLElement
    fun deleteRow(index: Int)

    companion object {
        val ELEMENT_NODE: Short
        val ATTRIBUTE_NODE: Short
        val TEXT_NODE: Short
        val CDATA_SECTION_NODE: Short
        val ENTITY_REFERENCE_NODE:

```

```

Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val
COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n
    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLTableRowElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTableRowElement) to Kotlin \n
*\npublic external abstract class HTMLTableRowElement : HTMLElement { \n    open val rowIndex: Int \n    open
val sectionRowIndex: Int \n    open val cells: HTMLCollection \n    open var align: String \n    open var ch: String \n
open var chOff: String \n    open var vAlign: String \n    open var bgColor: String \n    fun insertCell(index: Int =
definedExternally): HTMLElement \n    fun deleteCell(index: Int) \n \n    companion object { \n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLTableCellElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTableCellElement) to Kotlin \n
*\npublic external abstract class HTMLTableCellElement : HTMLElement { \n    open var colSpan: Int \n    open var
rowSpan: Int \n    open var headers: String \n    open val cellIndex: Int \n    open var scope: String \n    open var abbr:
String \n    open var align: String \n    open var axis: String \n    open var height: String \n    open var width: String \n
open var ch: String \n    open var chOff: String \n    open var noWrap: Boolean \n    open var vAlign: String \n    open
var bgColor: String \n \n    companion object { \n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE:
Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLFormElement](https://developer.mozilla.org/en/docs/Web/API/HTMLFormElement) to Kotlin \n
*\npublic external abstract class HTMLFormElement : HTMLElement { \n    open var acceptCharset: String \n    open var
action: String \n    open var autocomplete: String \n    open var enctype: String \n    open var encoding: String \n    open
var method: String \n    open var name: String \n    open var noValidate: Boolean \n    open var target: String \n    open
val elements: HTMLFormControlsCollection \n    open val length: Int \n    fun submit() \n    fun reset() \n    fun
checkValidity(): Boolean \n    fun reportValidity(): Boolean \n \n    companion object { \n        val ELEMENT_NODE:
Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE:
Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n

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    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n
}\n}\n\n@kotlin.internal.InlineOnly\n\npublic inline operator fun HTMLFormElement.get(index: Int): Element? =
asDynamic()[index]\n\n@kotlin.internal.InlineOnly\n\npublic inline operator fun HTMLFormElement.get(name:
String): UnionElementOrRadioNodeList? = asDynamic()[name]\n\n/**\n * Exposes the JavaScript
[HTMLLabelElement](https://developer.mozilla.org/en/docs/Web/API/HTMLLabelElement) to Kotlin\n */\n\npublic
external abstract class HTMLLabelElement : HTMLElement {\n    open val form: HTMLFormElement?\n    open
var htmlFor: String\n    open val control: HTMLFormElement?\n\n    companion object {\n        val ELEMENT_NODE:
Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE:
Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n\n}\n\n/**\n * Exposes the JavaScript
[HTMLInputElement](https://developer.mozilla.org/en/docs/Web/API/HTMLInputElement) to Kotlin\n */\n\npublic
external abstract class HTMLInputElement : HTMLFormElement {\n    open var accept: String\n    open var alt: String\n
open var autocomplete: String\n    open var autofocus: Boolean\n    open var defaultChecked: Boolean\n    open var
checked: Boolean\n    open var dirName: String\n    open var disabled: Boolean\n    open val form:
HTMLFormElement?\n    open val files: FileList?\n    open var formAction: String\n    open var formEnctype:
String\n    open var formMethod: String\n    open var formNoValidate: Boolean\n    open var formTarget: String\n
open var height: Int\n    open var indeterminate: Boolean\n    open var inputMode: String\n    open val list:
HTMLFormElement?\n    open var max: String\n    open var maxLength: Int\n    open var min: String\n    open var
minLength: Int\n    open var multiple: Boolean\n    open var name: String\n    open var pattern: String\n    open var
placeholder: String\n    open var readOnly: Boolean\n    open var required: Boolean\n    open var size: Int\n    open
var src: String\n    open var step: String\n    open var type: String\n    open var defaultValue: String\n    open var
value: String\n    open var valueAsDate: dynamic\n    open var valueAsNumber: Double\n    open var width: Int\n
open val willValidate: Boolean\n    open val validity: ValidityState\n    open val validationMessage: String\n    open
val labels: NodeList\n    open var selectionStart: Int?\n    open var selectionEnd: Int?\n    open var
selectionDirection: String?\n    open var align: String\n    open var useMap: String\n    fun stepUp(n: Int =
definedExternally)\n    fun stepDown(n: Int = definedExternally)\n    fun checkValidity(): Boolean\n    fun
reportValidity(): Boolean\n    fun setCustomValidity(error: String)\n    fun select()\n    fun
setRangeText(replacement: String)\n    fun setRangeText(replacement: String, start: Int, end: Int, selectionMode:
SelectionMode = definedExternally)\n    fun setSelectionRange(start: Int, end: Int, direction: String =
definedExternally)\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE:
Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n\n}\n\n}\n\n/**\n * Exposes the JavaScript
[HTMLButtonElement](https://developer.mozilla.org/en/docs/Web/API/HTMLButtonElement) to Kotlin\n */

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*\npublic external abstract class HTMLButtonElement : HTMLInputElement {\n  open var autofocus: Boolean\n  open var disabled: Boolean\n  open val form: HTMLFormElement?\n  open var formAction: String\n  open var formEnctype: String\n  open var formMethod: String\n  open var formNoValidate: Boolean\n  open var formTarget: String\n  open var name: String\n  open var type: String\n  open var value: String\n  open var menu: HTMLMenuElement?\n  open val willValidate: Boolean\n  open val validity: ValidityState\n  open val validationMessage: String\n  open val labels: NodeList\n  fun checkValidity(): Boolean\n  fun reportValidity(): Boolean\n  fun setCustomValidity(error: String)\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript [HTMLSelectElement](https://developer.mozilla.org/en/docs/Web/API/HTMLSelectElement) to Kotlin\n */\n\npublic external abstract class HTMLSelectElement : HTMLInputElement, ItemArrayLike<Element> {\n  open var autocomplete: String\n  open var autofocus: Boolean\n  open var disabled: Boolean\n  open val form: HTMLFormElement?\n  open var multiple: Boolean\n  open var name: String\n  open var required: Boolean\n  open var size: Int\n  open val type: String\n  open val options: HTMLOptionsCollection\n  override var length: Int\n  open val selectedOptions: HTMLCollection\n  open var selectedIndex: Int\n  open var value: String\n  open val willValidate: Boolean\n  open val validity: ValidityState\n  open val validationMessage: String\n  open val labels: NodeList\n  fun namedItem(name: String): HTMLOptionElement?\n  fun add(element: UnionHTMLOptGroupElementOrHTMLOptionElement, before: dynamic = definedExternally)\n  fun remove(index: Int)\n  fun checkValidity(): Boolean\n  fun reportValidity(): Boolean\n  fun setCustomValidity(error: String)\n  override fun item(index: Int): Element?\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun HTMLSelectElement.get(index: Int): Element? = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator fun HTMLSelectElement.set(index: Int, option: HTMLOptionElement?) { asDynamic()[index] = option }\n\n/**\n * Exposes the JavaScript [HTMLDataListElement](https://developer.mozilla.org/en/docs/Web/API/HTMLDataListElement) to Kotlin\n */\n\npublic external abstract class HTMLDataListElement : HTMLInputElement {\n  open val options: HTMLCollection\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n  }\n}\n

```

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    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLOptGroupElement](https://developer.mozilla.org/en/docs/Web/API/HTMLOptGroupElement) to Kotlin\n
*\n\npublic external abstract class HTMLOptGroupElement : HTMLInputElement,
UnionHTMLOptGroupElementOrHTMLInputElement {\n    open var disabled: Boolean\n    open var label:
String\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n
val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLOptionElement](https://developer.mozilla.org/en/docs/Web/API/HTMLOptionElement) to Kotlin\n
*\n\npublic external abstract class HTMLOptionElement : HTMLInputElement,
UnionHTMLOptGroupElementOrHTMLInputElement {\n    open var disabled: Boolean\n    open var form:
HTMLFormElement?\n    open var label: String\n    open var defaultSelected: Boolean\n    open var selected:
Boolean\n    open var value: String\n    open var text: String\n    open val index: Int\n\n    companion object {\n
val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[HTMLTextAreaElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTextAreaElement) to Kotlin\n
*\n\npublic external abstract class HTMLTextAreaElement : HTMLInputElement {\n    open var autocomplete: String\n
open var autofocus: Boolean\n    open var cols: Int\n    open var dirName: String\n    open var disabled: Boolean\n
open val form: HTMLFormElement?\n    open var inputMode: String\n    open var maxLength: Int\n    open var
minLength: Int\n    open var name: String\n    open var placeholder: String\n    open var readOnly: Boolean\n    open
var required: Boolean\n    open var rows: Int\n    open var wrap: String\n    open val type: String\n    open var
defaultValue: String\n    open var value: String\n    open val textLength: Int\n    open val willValidate: Boolean\n
open val validity: ValidityState\n    open val validationMessage: String\n    open val labels: NodeList\n    open var
selectionStart: Int?\n    open var selectionEnd: Int?\n    open var selectionDirection: String?\n    fun checkValidity():
Boolean\n    fun reportValidity(): Boolean\n    fun setCustomValidity(error: String)\n    fun select()\n    fun
setRangeText(replacement: String)\n    fun setRangeText(replacement: String, start: Int, end: Int, selectionMode:
SelectionMode = definedExternally)\n    fun setSelectionRange(start: Int, end: Int, direction: String =
definedExternally)\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE:
Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n

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    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLKeygenElement](https://developer.mozilla.org/en/docs/Web/API/HTMLKeygenElement) to Kotlin\n
*/ \n public external abstract class HTMLKeygenElement : HTMLElement {\n    open var autofocus: Boolean\n
open var challenge: String\n    open var disabled: Boolean\n    open val form: HTMLFormElement?\n    open var
keytype: String\n    open var name: String\n    open val type: String\n    open val willValidate: Boolean\n    open val
validity: ValidityState\n    open val validationMessage: String\n    open val labels: NodeList\n    fun checkValidity():
Boolean\n    fun reportValidity(): Boolean\n    fun setCustomValidity(error: String)\n\n    companion object {\n
val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLOutputElement](https://developer.mozilla.org/en/docs/Web/API/HTMLOutputElement) to Kotlin\n
*/ \n public external abstract class HTMLOutputElement : HTMLElement {\n    open val htmlFor: DOMTokenList\n
open val form: HTMLFormElement?\n    open var name: String\n    open val type: String\n    open var
defaultValue: String\n    open var value: String\n    open val willValidate: Boolean\n    open val validity:
ValidityState\n    open val validationMessage: String\n    open val labels: NodeList\n    fun checkValidity():
Boolean\n    fun reportValidity(): Boolean\n    fun setCustomValidity(error: String)\n\n    companion object {\n
val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLProgressElement](https://developer.mozilla.org/en/docs/Web/API/HTMLProgressElement) to Kotlin\n
*/ \n public external abstract class HTMLProgressElement : HTMLElement {\n    open var value: Double\n    open
var max: Double\n    open val position: Double\n    open val labels: NodeList\n\n    companion object {\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[HTMLMeterElement](https://developer.mozilla.org/en/docs/Web/API/HTMLMeterElement) to Kotlin\n
*/ \n public external abstract class HTMLMeterElement : HTMLElement {\n    open var value: Double\n    open var min:
Double\n    open var max: Double\n    open var low: Double\n    open var high: Double\n    open var optimum:

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Double\n open val labels: NodeList\n\n companion object {\n val ELEMENT_NODE: Short\n val
ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLFieldSetElement](https://developer.mozilla.org/en/docs/Web/API/HTMLFieldSetElement) to Kotlin\n
*\npublic external abstract class HTMLFieldSetElement : HTMLElement {\n open var disabled: Boolean\n
open val form: HTMLFormElement?\n open var name: String\n open val type: String\n open val elements:
HTMLCollection\n open val willValidate: Boolean\n open val validity: ValidityState\n open val
validationMessage: String\n fun checkValidity(): Boolean\n fun reportValidity(): Boolean\n fun
setCustomValidity(error: String)\n\n companion object {\n val ELEMENT_NODE: Short\n val
ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[HTMLLegendElement](https://developer.mozilla.org/en/docs/Web/API/HTMLLegendElement) to Kotlin\n
*\npublic external abstract class HTMLLegendElement : HTMLElement {\n open val form:
HTMLFormElement?\n open var align: String\n\n companion object {\n val ELEMENT_NODE: Short\n
val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n
val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[ValidityState](https://developer.mozilla.org/en/docs/Web/API/ValidityState) to Kotlin\n
*\npublic external
abstract class ValidityState {\n open val valueMissing: Boolean\n open val typeMismatch: Boolean\n open val
patternMismatch: Boolean\n open val tooLong: Boolean\n open val tooShort: Boolean\n open val
rangeUnderflow: Boolean\n open val rangeOverflow: Boolean\n open val stepMismatch: Boolean\n open val
badInput: Boolean\n open val customError: Boolean\n open val valid: Boolean\n }\n}\n\n/**\n * Exposes the
JavaScript [HTMLDetailsElement](https://developer.mozilla.org/en/docs/Web/API/HTMLDetailsElement) to
Kotlin\n
*\npublic external abstract class HTMLDetailsElement : HTMLElement {\n open var open: Boolean\n\n
companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val
TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE:
Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val
COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n

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    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }n}\n\npublic external abstract class
HTMLMenuElement : HTMLElement {\n    open var type: String\n    open var label: String\n    open var compact:
Boolean\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n
        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }n}\n\npublic external abstract class
HTMLMenuItemElement : HTMLElement {\n    open var type: String\n    open var label: String\n    open var icon:
String\n    open var disabled: Boolean\n    open var checked: Boolean\n    open var radiogroup: String\n    open var
default: Boolean\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE:
Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }n}\n\npublic external open class
RelatedEvent(type: String, eventInitDict: RelatedEventInit = definedExternally) : Event {\n    open val
relatedTarget: EventTarget?\n\n    companion object {\n        val NONE: Short\n        val CAPTURING_PHASE:
Short\n        val AT_TARGET: Short\n        val BUBBLING_PHASE: Short\n    }n}\n\npublic external interface
RelatedEventInit : EventInit {\n    var relatedTarget: EventTarget? /* = null */\n    get() = definedExternally\n
set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\n\npublic inline fun RelatedEventInit(relatedTarget:
EventTarget? = null, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false):
RelatedEventInit {\n    val o = js("{}")\n    o["relatedTarget"] = relatedTarget\n    o["bubbles"] = bubbles\n
o["cancelable"] = cancelable\n    o["composed"] = composed\n    return o\n}\n\n/**\n * Exposes the JavaScript
[HTMLDialogElement](https://developer.mozilla.org/en/docs/Web/API/HTMLDialogElement) to Kotlin\n
*/\n\npublic external abstract class HTMLDialogElement : HTMLElement {\n    open var open: Boolean\n    open var
returnValue: String\n    fun show(anchor: UnionElementOrMouseEvent = definedExternally)\n    fun
showModal(anchor: UnionElementOrMouseEvent = definedExternally)\n    fun close(returnValue: String =
definedExternally)\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE:
Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val

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DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript [HTMLScriptElement](https://developer.mozilla.org/en/docs/Web/API/HTMLScriptElement) to Kotlin\n *\npublic external abstract class HTMLScriptElement : HTMLMElement, HTMLOrSVGScriptElement {\n open var src: String\n open var type: String\n open var charset: String\n open var async: Boolean\n open var defer: Boolean\n open var crossOrigin: String?\n open var text: String\n open var nonce: String\n open var event: String\n open var htmlFor: String\n\n companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n val DOCUMENT_POSITION_CONTAINED_BY: Short\n val

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript [HTMLTemplateElement](https://developer.mozilla.org/en/docs/Web/API/HTMLTemplateElement) to Kotlin\n *\npublic external abstract class HTMLTemplateElement : HTMLMElement {\n open val content: DocumentFragment\n\n companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n val DOCUMENT_POSITION_CONTAINED_BY: Short\n val

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript [HTMLSlotElement](https://developer.mozilla.org/en/docs/Web/API/HTMLSlotElement) to Kotlin\n *\npublic external abstract class HTMLSlotElement : HTMLMElement {\n open var name: String\n fun assignedNodes(options: AssignedNodesOptions = definedExternally): Array<Node>\n\n companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n val DOCUMENT_POSITION_CONTAINED_BY: Short\n val

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\npublic external interface AssignedNodesOptions {\n var flatten: Boolean? /* = false */\n get() = definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun AssignedNodesOptions(flatten: Boolean? = false): AssignedNodesOptions {\n val o = js("{}")\n o["flatten"] = flatten\n return o\n}\n\n/**\n * Exposes the JavaScript [HTMLCanvasElement](https://developer.mozilla.org/en/docs/Web/API/HTMLCanvasElement) to Kotlin\n *\npublic external abstract class HTMLCanvasElement : HTMLMElement, CanvasImageSource, TexImageSource {\n open var width: Int\n open var height: Int\n fun getContext(contextId: String, vararg arguments: Any?): RenderingContext?\n fun toDataURL(type: String = definedExternally, quality: Any? = definedExternally): String\n fun toBlob(_callback: (Blob?) -> Unit, type: String = definedExternally, quality: Any? = definedExternally)\n\n companion object {\n val ELEMENT_NODE: Short\n val

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ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\npublic external interface
CanvasRenderingContext2DSettings {\n    var alpha: Boolean? /* = true */\n    get() = definedExternally\n
set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\n\npublic inline fun
CanvasRenderingContext2DSettings(alpha: Boolean? = true): CanvasRenderingContext2DSettings {\n    val o =
js("{}")\n    o["alpha"] = alpha\n    return o\n}\n\n**\n * Exposes the JavaScript
[CanvasRenderingContext2D](https://developer.mozilla.org/en/docs/Web/API/CanvasRenderingContext2D) to
Kotlin\n * \n\npublic external abstract class CanvasRenderingContext2D : CanvasState, CanvasTransform,
CanvasCompositing, CanvasImageSmoothing, CanvasFillStrokeStyles, CanvasShadowStyles, CanvasFilters,
CanvasRect, CanvasDrawPath, CanvasUserInterface, CanvasText, CanvasDrawImage, CanvasHitRegion,
CanvasImageData, CanvasPathDrawingStyles, CanvasTextDrawingStyles, CanvasPath, RenderingContext {\n
open val canvas: HTMLCanvasElement\n}\n\npublic external interface CanvasState {\n    fun save()\n    fun
restore()\n}\n\npublic external interface CanvasTransform {\n    fun scale(x: Double, y: Double)\n    fun
rotate(angle: Double)\n    fun translate(x: Double, y: Double)\n    fun transform(a: Double, b: Double, c: Double, d:
Double, e: Double, f: Double)\n    fun getTransform(): DOMMatrix\n    fun setTransform(a: Double, b: Double, c:
Double, d: Double, e: Double, f: Double)\n    fun setTransform(transform: dynamic = definedExternally)\n    fun
resetTransform()\n}\n\npublic external interface CanvasCompositing {\n    var globalAlpha: Double\n    var
globalCompositeOperation: String\n}\n\npublic external interface CanvasImageSmoothing {\n    var
imageSmoothingEnabled: Boolean\n    var imageSmoothingQuality: ImageSmoothingQuality\n}\n\npublic external
interface CanvasFillStrokeStyles {\n    var strokeStyle: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n    var fillStyle: dynamic\n    get() = definedExternally\n    set(value) = definedExternally\n
fun createLinearGradient(x0: Double, y0: Double, x1: Double, y1: Double): CanvasGradient\n    fun
createRadialGradient(x0: Double, y0: Double, r0: Double, x1: Double, y1: Double, r1: Double): CanvasGradient\n
fun createPattern(image: CanvasImageSource, repetition: String): CanvasPattern?\n}\n\npublic external interface
CanvasShadowStyles {\n    var shadowOffsetX: Double\n    var shadowOffsetY: Double\n    var shadowBlur:
Double\n    var shadowColor: String\n}\n\npublic external interface CanvasFilters {\n    var filter:
String\n}\n\npublic external interface CanvasRect {\n    fun clearRect(x: Double, y: Double, w: Double, h:
Double)\n    fun fillRect(x: Double, y: Double, w: Double, h: Double)\n    fun strokeRect(x: Double, y: Double, w:
Double, h: Double)\n}\n\npublic external interface CanvasDrawPath {\n    fun beginPath()\n    fun fill(fillRule:
CanvasFillRule = definedExternally)\n    fun fill(path: Path2D, fillRule: CanvasFillRule = definedExternally)\n
fun stroke()\n    fun stroke(path: Path2D)\n    fun clip(fillRule: CanvasFillRule = definedExternally)\n    fun
clip(path: Path2D, fillRule: CanvasFillRule = definedExternally)\n    fun resetClip()\n    fun isPointInPath(x:
Double, y: Double, fillRule: CanvasFillRule = definedExternally): Boolean\n    fun isPointInPath(path: Path2D, x:
Double, y: Double, fillRule: CanvasFillRule = definedExternally): Boolean\n    fun isPointInStroke(x: Double, y:
Double): Boolean\n    fun isPointInStroke(path: Path2D, x: Double, y: Double): Boolean\n}\n\npublic external
interface CanvasUserInterface {\n    fun drawFocusIfNeeded(element: Element)\n    fun drawFocusIfNeeded(path:
Path2D, element: Element)\n    fun scrollPathIntoView()\n    fun scrollPathIntoView(path: Path2D)\n}\n\npublic
external interface CanvasText {\n    fun fillText(text: String, x: Double, y: Double, maxWidth: Double =
definedExternally)\n    fun strokeText(text: String, x: Double, y: Double, maxWidth: Double = definedExternally)\n
fun measureText(text: String): TextMetrics\n}\n\npublic external interface CanvasDrawImage {\n    fun
drawImage(image: CanvasImageSource, dx: Double, dy: Double)\n    fun drawImage(image: CanvasImageSource,

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dx: Double, dy: Double, dw: Double, dh: Double)\n fun drawImage(image: CanvasImageSource, sx: Double, sy:
Double, sw: Double, sh: Double, dx: Double, dy: Double, dw: Double, dh: Double)\n}\n\npublic external interface
CanvasHitRegion {\n fun addHitRegion(options: HitRegionOptions = definedExternally)\n fun
removeHitRegion(id: String)\n fun clearHitRegions()\n}\n\npublic external interface CanvasImageData {\n fun
createImageData(sw: Double, sh: Double): ImageData\n fun createImageData(imagedata: ImageData):
ImageData\n fun getImageData(sx: Double, sy: Double, sw: Double, sh: Double): ImageData\n fun
putImageData(imagedata: ImageData, dx: Double, dy: Double)\n fun putImageData(imagedata: ImageData, dx:
Double, dy: Double, dirtyX: Double, dirtyY: Double, dirtyWidth: Double, dirtyHeight: Double)\n}\n\npublic
external interface CanvasPathDrawingStyles {\n var lineWidth: Double\n var lineCap: CanvasLineCap\n var
lineJoin: CanvasLineJoin\n var miterLimit: Double\n var lineDashOffset: Double\n fun setLineDash(segments:
Array<Double>)\n fun getLineDash(): Array<Double>\n}\n\npublic external interface CanvasTextDrawingStyles
{\n var font: String\n var textAlign: CanvasTextAlign\n var textBaseline: CanvasTextBaseline\n var
direction: CanvasDirection\n}\n\npublic external interface CanvasPath {\n fun closePath()\n fun moveTo(x:
Double, y: Double)\n fun lineTo(x: Double, y: Double)\n fun quadraticCurveTo(cpx: Double, cpy: Double, x:
Double, y: Double)\n fun bezierCurveTo(cp1x: Double, cp1y: Double, cp2x: Double, cp2y: Double, x: Double, y:
Double)\n fun arcTo(x1: Double, y1: Double, x2: Double, y2: Double, radius: Double)\n fun arcTo(x1: Double,
y1: Double, x2: Double, y2: Double, radiusX: Double, radiusY: Double, rotation: Double)\n fun rect(x: Double, y:
Double, w: Double, h: Double)\n fun arc(x: Double, y: Double, radius: Double, startAngle: Double, endAngle:
Double, anticlockwise: Boolean = definedExternally)\n fun ellipse(x: Double, y: Double, radiusX: Double,
radiusY: Double, rotation: Double, startAngle: Double, endAngle: Double, anticlockwise: Boolean =
definedExternally)\n}\n\n/**\n * Exposes the JavaScript
[CanvasGradient](https://developer.mozilla.org/en/docs/Web/API/CanvasGradient) to Kotlin\n */\n\npublic external
abstract class CanvasGradient {\n fun addColorStop(offset: Double, color: String)\n}\n\n/**\n * Exposes the
JavaScript [CanvasPattern](https://developer.mozilla.org/en/docs/Web/API/CanvasPattern) to Kotlin\n */\n\npublic
external abstract class CanvasPattern {\n fun setTransform(transform: dynamic = definedExternally)\n}\n\n/**\n *
Exposes the JavaScript [TextMetrics](https://developer.mozilla.org/en/docs/Web/API/TextMetrics) to Kotlin\n
*/\n\npublic external abstract class TextMetrics {\n open val width: Double\n open val actualBoundingBoxLeft:
Double\n open val actualBoundingBoxRight: Double\n open val fontBoundingBoxAscent: Double\n open val
fontBoundingBoxDescent: Double\n open val actualBoundingBoxAscent: Double\n open val
actualBoundingBoxDescent: Double\n open val emHeightAscent: Double\n open val emHeightDescent:
Double\n open val hangingBaseline: Double\n open val alphabeticBaseline: Double\n open val
ideographicBaseline: Double\n}\n\npublic external interface HitRegionOptions {\n var path: Path2D? /* = null
*/\n get() = definedExternally\n set(value) = definedExternally\n var fillRule: CanvasFillRule? /* =
CanvasFillRule.NONZERO */\n get() = definedExternally\n set(value) = definedExternally\n var id:
String? /* = \"\" */\n get() = definedExternally\n set(value) = definedExternally\n var parentID: String? /*
= null */\n get() = definedExternally\n set(value) = definedExternally\n var cursor: String? /* = \"inherit\"
*/\n get() = definedExternally\n set(value) = definedExternally\n var control: Element? /* = null */\n
get() = definedExternally\n set(value) = definedExternally\n var label: String? /* = null */\n get() =
definedExternally\n set(value) = definedExternally\n var role: String? /* = null */\n get() =
definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
HitRegionOptions(path: Path2D? = null, fillRule: CanvasFillRule? = CanvasFillRule.NONZERO, id: String? = \"\",
parentID: String? = null, cursor: String? = \"inherit\", control: Element? = null, label: String? = null, role: String? =
null): HitRegionOptions {\n val o = js(\"{\}\")\n o[\"path\"] = path\n o[\"fillRule\"] = fillRule\n o[\"id\"] =
id\n o[\"parentID\"] = parentID\n o[\"cursor\"] = cursor\n o[\"control\"] = control\n o[\"label\"] = label\n
o[\"role\"] = role\n return o\n}\n\n/**\n * Exposes the JavaScript
[ImageData](https://developer.mozilla.org/en/docs/Web/API/ImageData) to Kotlin\n */\n\npublic external open class
ImageData : ImageBitmapSource, TexImageSource {\n constructor(sw: Int, sh: Int)\n constructor(data:
Uint8ClampedArray, sw: Int, sh: Int = definedExternally)\n open val width: Int\n open val height: Int\n open

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val data: Uint8ClampedArray\n}\n\n/**\n * Exposes the JavaScript
[Path2D](https://developer.mozilla.org/en/docs/Web/API/Path2D) to Kotlin\n *\npublic external open class
Path2D() : CanvasPath {\n  constructor(path: Path2D)\n  constructor(paths: Array<Path2D>, fillRule:
CanvasFillRule = definedExternally)\n  constructor(d: String)\n  fun addPath(path: Path2D, transform: dynamic =
definedExternally)\n  override fun closePath()\n  override fun moveTo(x: Double, y: Double)\n  override fun
lineTo(x: Double, y: Double)\n  override fun quadraticCurveTo(cpx: Double, cpy: Double, x: Double, y: Double)\n
  override fun bezierCurveTo(cp1x: Double, cp1y: Double, cp2x: Double, cp2y: Double, x: Double, y: Double)\n
  override fun arcTo(x1: Double, y1: Double, x2: Double, y2: Double, radius: Double)\n  override fun arcTo(x1:
Double, y1: Double, x2: Double, y2: Double, radiusX: Double, radiusY: Double, rotation: Double)\n  override fun
rect(x: Double, y: Double, w: Double, h: Double)\n  override fun arc(x: Double, y: Double, radius: Double,
startAngle: Double, endAngle: Double, anticlockwise: Boolean /* = definedExternally */) \n  override fun ellipse(x:
Double, y: Double, radiusX: Double, radiusY: Double, rotation: Double, startAngle: Double, endAngle: Double,
anticlockwise: Boolean /* = definedExternally */) \n}\n\n/**\n * Exposes the JavaScript
[ImageBitmapRenderingContext](https://developer.mozilla.org/en/docs/Web/API/ImageBitmapRenderingContext)
to Kotlin\n *\npublic external abstract class ImageBitmapRenderingContext {\n  open val canvas:
HTMLCanvasElement\n  fun transferFromImageBitmap(bitmap: ImageBitmap?)\n}\n\npublic external interface
ImageBitmapRenderingContextSettings {\n  var alpha: Boolean? /* = true */\n  get() = definedExternally\n
set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
ImageBitmapRenderingContextSettings(alpha: Boolean? = true): ImageBitmapRenderingContextSettings {\n  val o
= js("{}")\n  o["alpha"] = alpha\n  return o\n}\n\n/**\n * Exposes the JavaScript
[CustomElementRegistry](https://developer.mozilla.org/en/docs/Web/API/CustomElementRegistry) to Kotlin\n
*\npublic external abstract class CustomElementRegistry {\n  fun define(name: String, constructor: () -> dynamic,
options: ElementDefinitionOptions = definedExternally)\n  fun get(name: String): Any?\n  fun
whenDefined(name: String): Promise<Unit>\n}\n\npublic external interface ElementDefinitionOptions {\n  var
extends: String?\n  get() = definedExternally\n  set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ElementDefinitionOptions(extends: String?
= undefined): ElementDefinitionOptions {\n  val o = js("{}")\n  o["extends"] = extends\n  return
o\n}\n\npublic external interface ElementContentEditable {\n  var contentEditable: String\n  val
isContentEditable: Boolean\n}\n\n/**\n * Exposes the JavaScript
[DataTransfer](https://developer.mozilla.org/en/docs/Web/API/DataTransfer) to Kotlin\n *\npublic external
abstract class DataTransfer {\n  open var dropEffect: String\n  open var effectAllowed: String\n  open val items:
DataTransferItemList\n  open val types: Array<out String>\n  open val files: FileList\n  fun
setDragImage(image: Element, x: Int, y: Int)\n  fun getData(format: String): String\n  fun setData(format: String,
data: String)\n  fun clearData(format: String = definedExternally)\n}\n\n/**\n * Exposes the JavaScript
[DataTransferItemList](https://developer.mozilla.org/en/docs/Web/API/DataTransferItemList) to Kotlin\n *\npublic
external abstract class DataTransferItemList {\n  open val length: Int\n  fun add(data: String, type: String):
DataTransferItem?\n  fun add(data: File): DataTransferItem\n  fun remove(index: Int)\n  fun
clear()\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun DataTransferItemList.get(index: Int):
DataTransferItem? = asDynamic()[index]\n\n/**\n * Exposes the JavaScript
[DataTransferItem](https://developer.mozilla.org/en/docs/Web/API/DataTransferItem) to Kotlin\n *\npublic
external abstract class DataTransferItem {\n  open val kind: String\n  open val type: String\n  fun
getAsString(_callback: ((String) -> Unit)?)\n  fun getAsFile(): File?\n}\n\n/**\n * Exposes the JavaScript
[DragEvent](https://developer.mozilla.org/en/docs/Web/API/TouchEvent) to Kotlin\n *\npublic external open class
DragEvent(type: String, eventInitDict: DragEventInit = definedExternally) : MouseEvent {\n  open val
dataTransfer: DataTransfer?\n\n  companion object {\n    val NONE: Short\n    val CAPTURING_PHASE:
Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n  }\n}\n\npublic external interface
DragEventInit : MouseEventInit {\n  var dataTransfer: DataTransfer? /* = null */\n  get() = definedExternally\n
set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun DragEventInit(dataTransfer:

```

```

DataTransfer? = null, screenX: Int? = 0, screenY: Int? = 0, clientX: Int? = 0, clientY: Int? = 0, button: Short? = 0,
buttons: Short? = 0, relatedTarget: EventTarget? = null, region: String? = null, ctrlKey: Boolean? = false, shiftKey:
Boolean? = false, altKey: Boolean? = false, metaKey: Boolean? = false, modifierAltGraph: Boolean? = false,
modifierCapsLock: Boolean? = false, modifierFn: Boolean? = false, modifierFnLock: Boolean? = false,
modifierHyper: Boolean? = false, modifierNumLock: Boolean? = false, modifierScrollLock: Boolean? = false,
modifierSuper: Boolean? = false, modifierSymbol: Boolean? = false, modifierSymbolLock: Boolean? = false, view:
Window? = null, detail: Int? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): DragEventInit {\n  val o = js("{}")\n  o["dataTransfer"] = dataTransfer\n  o["screenX"] = screenX\n
o["screenY"] = screenY\n  o["clientX"] = clientX\n  o["clientY"] = clientY\n  o["button"] = button\n
o["buttons"] = buttons\n  o["relatedTarget"] = relatedTarget\n  o["region"] = region\n  o["ctrlKey"] =
ctrlKey\n  o["shiftKey"] = shiftKey\n  o["altKey"] = altKey\n  o["metaKey"] = metaKey\n
o["modifierAltGraph"] = modifierAltGraph\n  o["modifierCapsLock"] = modifierCapsLock\n
o["modifierFn"] = modifierFn\n  o["modifierFnLock"] = modifierFnLock\n  o["modifierHyper"] =
modifierHyper\n  o["modifierNumLock"] = modifierNumLock\n  o["modifierScrollLock"] =
modifierScrollLock\n  o["modifierSuper"] = modifierSuper\n  o["modifierSymbol"] = modifierSymbol\n
o["modifierSymbolLock"] = modifierSymbolLock\n  o["view"] = view\n  o["detail"] = detail\n
o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n  o["composed"] = composed\n  return
o}\n}\n\n/**\n * Exposes the JavaScript [Window](https://developer.mozilla.org/en/docs/Web/API/Window) to
Kotlin\n */\npublic external abstract class Window : EventTarget, GlobalEventHandlers, WindowEventHandlers,
WindowOrWorkerGlobalScope, WindowSessionStorage, WindowLocalStorage, GlobalPerformance,
UnionMessagePortOrWindowProxy {\n  open val window: Window\n  open val self: Window\n  open val
document: Document\n  open var name: String\n  open val location: Location\n  open val history: History\n
open val customElements: CustomElementRegistry\n  open val locationbar: BarProp\n  open val menubar:
BarProp\n  open val personalbar: BarProp\n  open val scrollbars: BarProp\n  open val statusbar: BarProp\n
open val toolbar: BarProp\n  open var status: String\n  open val closed: Boolean\n  open val frames: Window\n
open val length: Int\n  open val top: Window\n  open var opener: Any?\n  open val parent: Window\n  open val
frameElement: Element?\n  open val navigator: Navigator\n  open val applicationCache: ApplicationCache\n
open val external: External\n  open val screen: Screen\n  open val innerWidth: Int\n  open val innerHeight: Int\n
open val scrollX: Double\n  open val pageXOffset: Double\n  open val scrollY: Double\n  open val
pageYOffset: Double\n  open val screenX: Int\n  open val screenY: Int\n  open val outerWidth: Int\n  open val
outerHeight: Int\n  open val devicePixelRatio: Double\n  fun close()\n  fun stop()\n  fun focus()\n  fun blur()\n
fun open(url: String = definedExternally, target: String = definedExternally, features: String = definedExternally):
Window?\n  fun alert()\n  fun alert(message: String)\n  fun confirm(message: String = definedExternally):
Boolean\n  fun prompt(message: String = definedExternally, default: String = definedExternally): String?\n  fun
print()\n  fun requestAnimationFrame(callback: (Double) -> Unit): Int\n  fun cancelAnimationFrame(handle:
Int)\n  fun postMessage(message: Any?, targetOrigin: String, transfer: Array<dynamic> = definedExternally)\n
fun captureEvents()\n  fun releaseEvents()\n  fun matchMedia(query: String): MediaQueryList\n  fun moveTo(x:
Int, y: Int)\n  fun moveBy(x: Int, y: Int)\n  fun resizeTo(x: Int, y: Int)\n  fun resizeBy(x: Int, y: Int)\n  fun
scroll(options: ScrollToOptions = definedExternally)\n  fun scroll(x: Double, y: Double)\n  fun scrollTo(options:
ScrollToOptions = definedExternally)\n  fun scrollTo(x: Double, y: Double)\n  fun scrollBy(options:
ScrollToOptions = definedExternally)\n  fun scrollBy(x: Double, y: Double)\n  fun getComputedStyle(elt:
Element, pseudoElt: String? = definedExternally): CSSStyleDeclaration}\n}\n\n@kotlin.internal.InlineOnly\npublic
inline operator fun Window.get(name: String): dynamic = asDynamic()[name]\n\npublic external abstract class
BarProp {\n  open val visible: Boolean\n}\n\n/**\n * Exposes the JavaScript
[History](https://developer.mozilla.org/en/docs/Web/API/History) to Kotlin\n */\npublic external abstract class
History {\n  open val length: Int\n  open var scrollRestoration: ScrollRestoration\n  open val state: Any?\n  fun
go(delta: Int = definedExternally)\n  fun back()\n  fun forward()\n  fun pushState(data: Any?, title: String, url:
String? = definedExternally)\n  fun replaceState(data: Any?, title: String, url: String? =

```

```

definedExternally)\n}\n\n/**\n * Exposes the JavaScript
[Location](https://developer.mozilla.org/en/docs/Web/API/Location) to Kotlin\n *^npublic external abstract class
Location {\n  open var href: String\n  open val origin: String\n  open var protocol: String\n  open var host:
String\n  open var hostname: String\n  open var port: String\n  open var pathname: String\n  open var search:
String\n  open var hash: String\n  open val ancestorOrigins: Array<out String>\n  fun assign(url: String)\n  fun
replace(url: String)\n  fun reload()\n}\n\n/**\n * Exposes the JavaScript
[PopStateEvent](https://developer.mozilla.org/en/docs/Web/API/PopStateEvent) to Kotlin\n *^npublic external
open class PopStateEvent(type: String, eventInitDict: PopStateEventInit = definedExternally) : Event {\n  open val
state: Any?\n\n  companion object {\n    val NONE: Short\n    val CAPTURING_PHASE: Short\n    val
AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n  }\n}\n\npublic external interface PopStateEventInit
: EventInit {\n  var state: Any? /* = null */\n  get() = definedExternally\n  set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun PopStateEventInit(state: Any? = null,
bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): PopStateEventInit {\n  val o
= js(\{"{ }\"})\n  o["state"] = state\n  o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n
o["composed"] = composed\n  return o\n}\n\n/**\n * Exposes the JavaScript
[HashChangeEvent](https://developer.mozilla.org/en/docs/Web/API/HashChangeEvent) to Kotlin\n *^npublic
external open class HashChangeEvent(type: String, eventInitDict: HashChangeEventInit = definedExternally) :
Event {\n  open val oldURL: String\n  open val newURL: String\n\n  companion object {\n    val NONE:
Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE:
Short\n  }\n}\n\npublic external interface HashChangeEventInit : EventInit {\n  var oldURL: String? /* = "" */\n
get() = definedExternally\n  set(value) = definedExternally\n  var newURL: String? /* = "" */\n  get() =
definedExternally\n  set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
HashChangeEventInit(oldURL: String? = "", newURL: String? = "", bubbles: Boolean? = false, cancelable:
Boolean? = false, composed: Boolean? = false): HashChangeEventInit {\n  val o = js(\{"{ }\"})\n  o["oldURL"] =
oldURL\n  o["newURL"] = newURL\n  o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n
o["composed"] = composed\n  return o\n}\n\n/**\n * Exposes the JavaScript
[PageTransitionEvent](https://developer.mozilla.org/en/docs/Web/API/PageTransitionEvent) to Kotlin\n *^npublic
external open class PageTransitionEvent(type: String, eventInitDict: PageTransitionEventInit = definedExternally) :
Event {\n  open val persisted: Boolean\n\n  companion object {\n    val NONE: Short\n    val
CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n  }\n}\n\npublic external interface PageTransitionEventInit : EventInit {\n  var persisted: Boolean? /* = false */\n
get() = definedExternally\n  set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
PageTransitionEventInit(persisted: Boolean? = false, bubbles: Boolean? = false, cancelable: Boolean? = false,
composed: Boolean? = false): PageTransitionEventInit {\n  val o = js(\{"{ }\"})\n  o["persisted"] = persisted\n
o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n  o["composed"] = composed\n  return
o\n}\n\n/**\n * Exposes the JavaScript
[BeforeUnloadEvent](https://developer.mozilla.org/en/docs/Web/API/BeforeUnloadEvent) to Kotlin\n *^npublic
external open class BeforeUnloadEvent : Event {\n  var returnValue: String\n\n  companion object {\n    val
NONE: Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val
BUBBLING_PHASE: Short\n  }\n}\n\npublic external abstract class ApplicationCache : EventTarget {\n  open
val status: Short\n  open var onchecking: ((Event) -> dynamic)?\n  open var onerror: ((Event) -> dynamic)?\n
open var onnoupdate: ((Event) -> dynamic)?\n  open var ondownloading: ((Event) -> dynamic)?\n  open var
onprogress: ((ProgressEvent) -> dynamic)?\n  open var onupdateready: ((Event) -> dynamic)?\n  open var
oncached: ((Event) -> dynamic)?\n  open var onobsolete: ((Event) -> dynamic)?\n  fun update()\n  fun abort()\n
fun swapCache()\n\n  companion object {\n    val UNCACHED: Short\n    val IDLE: Short\n    val
CHECKING: Short\n    val DOWNLOADING: Short\n    val UPDATEREADY: Short\n    val OBSOLETE:
Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[NavigatorOnLine](https://developer.mozilla.org/en/docs/Web/API/NavigatorOnLine) to Kotlin\n *^npublic

```

```

external interface NavigatorOnLine {
    val onLine: Boolean
}
/**
 * Exposes the JavaScript
 [ErrorEvent](https://developer.mozilla.org/en/docs/Web/API/ErrorEvent) to Kotlin
 */
public external open class ErrorEvent(
    type: String, eventInitDict: ErrorEventInit = definedExternally
) : Event {
    open val message: String
    open val filename: String
    open val lineno: Int
    open val colno: Int
    open val error: Any?

    companion object {
        val NONE: Short
        val CAPTURING_PHASE: Short
        val AT_TARGET: Short
        val BUBBLING_PHASE: Short
    }
}
public external interface ErrorEventInit : EventInit {
    var message: String? /* = "" */
    get() = definedExternally
    set(value) = definedExternally
    var filename: String? /* = "" */
    get() = definedExternally
    set(value) = definedExternally
    var lineno: Int? /* = 0 */
    get() = definedExternally
    set(value) = definedExternally
    var colno: Int? /* = 0 */
    get() = definedExternally
    set(value) = definedExternally
    var error: Any? /* = null */
    get() = definedExternally
    set(value) = definedExternally
}
@kotlin.internal.InlineOnly
public inline fun ErrorEventInit(
    message: String? = "", filename: String? = "", lineno: Int? = 0, colno: Int? = 0, error: Any? = null,
    bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false
): ErrorEventInit {
    val o = js("{}")
    o["message"] = message
    o["filename"] = filename
    o["lineno"] = lineno
    o["colno"] = colno
    o["error"] = error
    o["bubbles"] = bubbles
    o["cancelable"] = cancelable
    o["composed"] = composed
    return o
}
/**
 * Exposes the JavaScript
 [PromiseRejectionEvent](https://developer.mozilla.org/en/docs/Web/API/PromiseRejectionEvent) to Kotlin
 */
public external open class PromiseRejectionEvent(
    type: String, eventInitDict: PromiseRejectionEventInit
) : Event {
    open val promise: Promise<Any?>
    open val reason: Any?

    companion object {
        val NONE: Short
        val CAPTURING_PHASE: Short
        val AT_TARGET: Short
        val BUBBLING_PHASE: Short
    }
}
public external interface PromiseRejectionEventInit : EventInit {
    var promise: Promise<Any?>
    get() = definedExternally
    set(value) = definedExternally
    var reason: Any?
    get() = definedExternally
    set(value) = definedExternally
}
@kotlin.internal.InlineOnly
public inline fun PromiseRejectionEventInit(
    promise: Promise<Any?>, reason: Any? = undefined, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false
): PromiseRejectionEventInit {
    val o = js("{}")
    o["promise"] = promise
    o["reason"] = reason
    o["bubbles"] = bubbles
    o["cancelable"] = cancelable
    o["composed"] = composed
    return o
}
/**
 * Exposes the JavaScript
 [GlobalEventHandlers](https://developer.mozilla.org/en/docs/Web/API/GlobalEventHandlers) to Kotlin
 */
public external interface GlobalEventHandlers {
    var onabort: ((Event) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var onblur: ((FocusEvent) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var oncancel: ((Event) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var oncanplay: ((Event) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var oncanplaythrough: ((Event) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var onchange: ((Event) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var onclick: ((MouseEvent) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var onclose: ((Event) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var oncontextmenu: ((MouseEvent) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var oncuechange: ((Event) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var ondblclick: ((MouseEvent) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var ondrag: ((DragEvent) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var ondragend: ((DragEvent) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var ondragenter: ((DragEvent) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var ondragexit: ((DragEvent) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var ondragleave: ((DragEvent) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var ondragover: ((DragEvent) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var ondragstart: ((DragEvent) -> dynamic)?
    get() = definedExternally
    set(value) = definedExternally
    var ondrop: ((DragEvent) -> dynamic)?
}

```

```

get() = definedExternally\n    set(value) = definedExternally\n    var ondurationchange: ((Event) -> dynamic)?\n
get() = definedExternally\n    set(value) = definedExternally\n    var onemptied: ((Event) -> dynamic)?\n
get() = definedExternally\n    set(value) = definedExternally\n    var onended: ((Event) -> dynamic)?\n    get() =
definedExternally\n    set(value) = definedExternally\n    var onerror: ((dynamic, String, Int, Int, Any?) ->
dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var onfocus: ((FocusEvent) ->
dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var oninput: ((InputEvent) ->
dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var oninvalid: ((Event) ->
dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var onkeydown:
((KeyboardEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var
onkeypress: ((KeyboardEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n
var onkeyup: ((KeyboardEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var onload: ((Event) -> dynamic)?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var onloadeddata: ((Event) -> dynamic)?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var onloadedmetadata: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onloadend: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onloadstart: ((ProgressEvent) -> dynamic)?\n    get() = definedExternally\n
    set(value) = definedExternally\n    var onmousedown: ((MouseEvent) -> dynamic)?\n    get() =
definedExternally\n    set(value) = definedExternally\n    var onmouseenter: ((MouseEvent) -> dynamic)?\n
get() = definedExternally\n    set(value) = definedExternally\n    var onmouseleave: ((MouseEvent) ->
dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var onmousemove:
((MouseEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var
onmouseout: ((MouseEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n
var onmouseover: ((MouseEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var onmouseup: ((MouseEvent) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onwheel: ((WheelEvent) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onpause: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onplay: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onplaying: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onprogress: ((ProgressEvent) -> dynamic)?\n    get() = definedExternally\n
    set(value) = definedExternally\n    var onratechange: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onreset: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onresize: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onscroll: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onseeked: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onseeking: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onselect: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onshow: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onstalled: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onsubmit: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onsuspend: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var ontimeupdate: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var ontoggle: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onvolumechange: ((Event) -> dynamic)?\n    get() = definedExternally\n
    set(value) = definedExternally\n    var onwaiting: ((Event) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var ongotpointercapture: ((PointerEvent) -> dynamic)?\n    get() =
definedExternally\n    set(value) = definedExternally\n    var onlostpointercapture: ((PointerEvent) -> dynamic)?\n
    get() = definedExternally\n    set(value) = definedExternally\n    var onpointerdown: ((PointerEvent) ->
dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var onpointermove:

```



```

((PointerEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var
onpointerup: ((PointerEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n
var onpointercancel: ((PointerEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var onpointerover: ((PointerEvent) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onpointerout: ((PointerEvent) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onpointerenter: ((PointerEvent) -> dynamic)?\n    get() =
definedExternally\n    set(value) = definedExternally\n    var onpointerleave: ((PointerEvent) -> dynamic)?\n
get() = definedExternally\n    set(value) = definedExternally\n}\n\n/**\n * Exposes the JavaScript
[WindowEventHandlers](https://developer.mozilla.org/en/docs/Web/API/WindowEventHandlers) to Kotlin\n
*\npublic external interface WindowEventHandlers {\n    var onafterprint: ((Event) -> dynamic)?\n    get() =
definedExternally\n    set(value) = definedExternally\n    var onbeforeprint: ((Event) -> dynamic)?\n    get() =
definedExternally\n    set(value) = definedExternally\n    var onbeforeunload: ((BeforeUnloadEvent) ->
String)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var onhashchange:
((HashChangeEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var
onlanguagechange: ((Event) -> dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n
var onmessage: ((MessageEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var onoffline: ((Event) -> dynamic)?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var ononline: ((Event) -> dynamic)?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var onpagehide: ((PageTransitionEvent) -> dynamic)?\n    get() = definedExternally\n
set(value) = definedExternally\n    var onpageshow: ((PageTransitionEvent) -> dynamic)?\n    get() =
definedExternally\n    set(value) = definedExternally\n    var onpopstate: ((PopStateEvent) -> dynamic)?\n
get() = definedExternally\n    set(value) = definedExternally\n    var onrejectionhandled: ((Event) -> dynamic)?\n
get() = definedExternally\n    set(value) = definedExternally\n    var onstorage: ((StorageEvent) -> dynamic)?\n
get() = definedExternally\n    set(value) = definedExternally\n    var onunhandledrejection:
((PromiseRejectionEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n
var onunload: ((Event) -> dynamic)?\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\npublic external interface DocumentAndElementEventHandlers {\n    var oncopy:
((ClipboardEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var oncut:
((ClipboardEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) = definedExternally\n    var
onpaste: ((ClipboardEvent) -> dynamic)?\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n/**\n * Exposes the JavaScript
[WindowOrWorkerGlobalScope](https://developer.mozilla.org/en/docs/Web/API/WindowOrWorkerGlobalScope)
to Kotlin\n
*\npublic external interface WindowOrWorkerGlobalScope {\n    val origin: String\n    val caches:
CacheStorage\n    fun btoa(data: String): String\n    fun atob(data: String): String\n    fun setTimeout(handler:
dynamic, timeout: Int = definedExternally, vararg arguments: Any?): Int\n    fun clearTimeout(handle: Int =
definedExternally)\n    fun setInterval(handler: dynamic, timeout: Int = definedExternally, vararg arguments: Any?):
Int\n    fun clearInterval(handle: Int = definedExternally)\n    fun createImageBitmap(image: ImageBitmapSource,
options: ImageBitmapOptions = definedExternally): Promise<ImageBitmap>\n    fun createImageBitmap(image:
ImageBitmapSource, sx: Int, sy: Int, sw: Int, sh: Int, options: ImageBitmapOptions = definedExternally):
Promise<ImageBitmap>\n    fun fetch(input: dynamic, init: RequestInit = definedExternally):
Promise<Response>\n}\n\n/**\n * Exposes the JavaScript
[Navigator](https://developer.mozilla.org/en/docs/Web/API/Navigator) to Kotlin\n
*\npublic external abstract class
Navigator : NavigatorID, NavigatorLanguage, NavigatorOnLine, NavigatorContentUtils, NavigatorCookies,
NavigatorPlugins, NavigatorConcurrentHardware {\n    open val clipboard: Clipboard\n    open val mediaDevices:
MediaDevices\n    open val maxTouchPoints: Int\n    open val serviceWorker: ServiceWorkerContainer\n    fun
getUserMedia(constraints: MediaStreamConstraints, successCallback: (MediaStream) -> Unit, errorCallback:
(dynamic) -> Unit)\n    fun vibrate(pattern: dynamic): Boolean\n}\n\n/**\n * Exposes the JavaScript
[NavigatorID](https://developer.mozilla.org/en/docs/Web/API/NavigatorID) to Kotlin\n
*\npublic external interface

```

```

NavigatorID {\n  val appCodeName: String\n  val appName: String\n  val appVersion: String\n  val platform:
String\n  val product: String\n  val productSub: String\n  val userAgent: String\n  val vendor: String\n  val
vendorSub: String\n  val oscpu: String\n  fun taintEnabled(): Boolean\n}\n\n/**\n * Exposes the JavaScript
[NavigatorLanguage](https://developer.mozilla.org/en/docs/Web/API/NavigatorLanguage) to Kotlin\n */\npublic
external interface NavigatorLanguage {\n  val language: String\n  val languages: Array<out String>\n}\n\npublic
external interface NavigatorContentUtils {\n  fun registerProtocolHandler(scheme: String, url: String, title:
String)\n  fun registerContentHandler(mimeType: String, url: String, title: String)\n  fun
isProtocolHandlerRegistered(scheme: String, url: String): String\n  fun isContentHandlerRegistered(mimeType:
String, url: String): String\n  fun unregisterProtocolHandler(scheme: String, url: String)\n  fun
unregisterContentHandler(mimeType: String, url: String)\n}\n\npublic external interface NavigatorCookies {\n  val
cookieEnabled: Boolean\n}\n\n/**\n * Exposes the JavaScript
[NavigatorPlugins](https://developer.mozilla.org/en/docs/Web/API/NavigatorPlugins) to Kotlin\n */\npublic
external interface NavigatorPlugins {\n  val plugins: PluginArray\n  val mimeTypes: MimeTypeError\n  fun
javaEnabled(): Boolean\n}\n\n/**\n * Exposes the JavaScript
[PluginArray](https://developer.mozilla.org/en/docs/Web/API/PluginArray) to Kotlin\n */\npublic external abstract
class PluginArray : ItemArrayLike<Plugin> {\n  fun refresh(reload: Boolean = definedExternally)\n  override fun
item(index: Int): Plugin?\n  fun namedItem(name: String): Plugin?\n}\n\n@kotlin.internal.InlineOnly\npublic
inline operator fun PluginArray.get(index: Int): Plugin? =
asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator fun PluginArray.get(name: String):
Plugin? = asDynamic()[name]\n\n/**\n * Exposes the JavaScript
[MimeTypeArray](https://developer.mozilla.org/en/docs/Web/API/MimeTypeArray) to Kotlin\n */\npublic external
abstract class MimeTypeArray : ItemArrayLike<MimeType> {\n  override fun item(index: Int): MimeType?\n
fun namedItem(name: String): MimeType?\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun
MimeTypeArray.get(index: Int): MimeType? = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline
operator fun MimeTypeArray.get(name: String): MimeType? = asDynamic()[name]\n\n/**\n * Exposes the
JavaScript [Plugin](https://developer.mozilla.org/en/docs/Web/API/Plugin) to Kotlin\n */\npublic external abstract
class Plugin : ItemArrayLike<MimeType> {\n  open val name: String\n  open val description: String\n  open val
filename: String\n  override fun item(index: Int): MimeType?\n  fun namedItem(name: String):
MimeType?\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun Plugin.get(index: Int): MimeType? =
asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator fun Plugin.get(name: String):
MimeType? = asDynamic()[name]\n\n/**\n * Exposes the JavaScript
[MimeType](https://developer.mozilla.org/en/docs/Web/API/MimeType) to Kotlin\n */\npublic external abstract
class MimeType {\n  open val type: String\n  open val description: String\n  open val suffixes: String\n  open
val enabledPlugin: Plugin\n}\n\n/**\n * Exposes the JavaScript
[ImageBitmap](https://developer.mozilla.org/en/docs/Web/API/ImageBitmap) to Kotlin\n */\npublic external
abstract class ImageBitmap : CanvasImageSource, TexImageSource {\n  open val width: Int\n  open val height:
Int\n  fun close()\n}\n\npublic external interface ImageBitmapOptions {\n  var imageOrientation:
ImageOrientation? /* = ImageOrientation.NONE */\n  get() = definedExternally\n  set(value) =
definedExternally\n  var premultiplyAlpha: PremultiplyAlpha? /* = PremultiplyAlpha.DEFAULT */\n  get() =
definedExternally\n  set(value) = definedExternally\n  var colorSpaceConversion: ColorSpaceConversion? /* =
ColorSpaceConversion.DEFAULT */\n  get() = definedExternally\n  set(value) = definedExternally\n  var
resizeWidth: Int?\n  get() = definedExternally\n  set(value) = definedExternally\n  var resizeHeight: Int?\n
get() = definedExternally\n  set(value) = definedExternally\n  var resizeQuality: ResizeQuality? /* =
ResizeQuality.LOW */\n  get() = definedExternally\n  set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ImageBitmapOptions(imageOrientation:
ImageOrientation? = ImageOrientation.NONE, premultiplyAlpha: PremultiplyAlpha? =
PremultiplyAlpha.DEFAULT, colorSpaceConversion: ColorSpaceConversion? =
ColorSpaceConversion.DEFAULT, resizeWidth: Int? = undefined, resizeHeight: Int? = undefined, resizeQuality:

```

```

ResizeQuality? = ResizeQuality.LOW): ImageBitmapOptions {\n  val o = js("{}")\n  o["imageOrientation"] =
= imageOrientation\n  o["premultiplyAlpha"] = premultiplyAlpha\n  o["colorSpaceConversion"] =
colorSpaceConversion\n  o["resizeWidth"] = resizeWidth\n  o["resizeHeight"] = resizeHeight\n
o["resizeQuality"] = resizeQuality\n  return o\n}\n\n/**\n * Exposes the JavaScript
[MessageEvent](https://developer.mozilla.org/en/docs/Web/API/MessageEvent) to Kotlin\n *\npublic external open
class MessageEvent(type: String, eventInitDict: MessageEventInit = definedExternally) : Event {\n  open val data:
Any?\n  open val origin: String\n  open val lastEventId: String\n  open val source:
UnionMessagePortOrWindowProxy?\n  open val ports: Array<out MessagePort>\n  fun initMessageEvent(type:
String, bubbles: Boolean, cancelable: Boolean, data: Any?, origin: String, lastEventId: String, source:
UnionMessagePortOrWindowProxy?, ports: Array<MessagePort>)\n\n  companion object {\n    val NONE:
Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE:
Short\n  }\n}\n\npublic external interface MessageEventInit : EventInit {\n  var data: Any? /* = null */\n  get()
= definedExternally\n  set(value) = definedExternally\n  var origin: String? /* = "" */\n  get() =
definedExternally\n  set(value) = definedExternally\n  var lastEventId: String? /* = "" */\n  get() =
definedExternally\n  set(value) = definedExternally\n  var source: UnionMessagePortOrWindowProxy? /* =
null */\n  get() = definedExternally\n  set(value) = definedExternally\n  var ports: Array<MessagePort>? /*
= arrayOf() */\n  get() = definedExternally\n  set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun MessageEventInit(data: Any? = null, origin:
String? = "", lastEventId: String? = "", source: UnionMessagePortOrWindowProxy? = null, ports:
Array<MessagePort>? = arrayOf(), bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): MessageEventInit {\n  val o = js("{}")\n  o["data"] = data\n  o["origin"] = origin\n
o["lastEventId"] = lastEventId\n  o["source"] = source\n  o["ports"] = ports\n  o["bubbles"] = bubbles\n
o["cancelable"] = cancelable\n  o["composed"] = composed\n  return o\n}\n\n/**\n * Exposes the JavaScript
[EventSource](https://developer.mozilla.org/en/docs/Web/API/EventSource) to Kotlin\n *\npublic external open
class EventSource(url: String, eventSourceInitDict: EventSourceInit = definedExternally) : EventTarget {\n  open
val url: String\n  open val withCredentials: Boolean\n  open val readyState: Short\n  var onopen: ((Event) ->
dynamic)?\n  var onmessage: ((MessageEvent) -> dynamic)?\n  var onerror: ((Event) -> dynamic)?\n  fun
close()\n\n  companion object {\n    val CONNECTING: Short\n    val OPEN: Short\n    val CLOSED:
Short\n  }\n}\n\npublic external interface EventSourceInit {\n  var withCredentials: Boolean? /* = false */\n
get() = definedExternally\n  set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
EventSourceInit(withCredentials: Boolean? = false): EventSourceInit {\n  val o = js("{}")\n
o["withCredentials"] = withCredentials\n  return o\n}\n\n/**\n * Exposes the JavaScript
[WebSocket](https://developer.mozilla.org/en/docs/Web/API/WebSocket) to Kotlin\n *\npublic external open class
WebSocket(url: String, protocols: dynamic = definedExternally) : EventTarget {\n  open val url: String\n  open
val readyState: Short\n  open val bufferedAmount: Number\n  var onopen: ((Event) -> dynamic)?\n  var onerror:
((Event) -> dynamic)?\n  var onclose: ((Event) -> dynamic)?\n  open val extensions: String\n  open val protocol:
String\n  var onmessage: ((MessageEvent) -> dynamic)?\n  var binaryType: BinaryType\n  fun close(code: Short
= definedExternally, reason: String = definedExternally)\n  fun send(data: String)\n  fun send(data: Blob)\n  fun
send(data: ArrayBuffer)\n  fun send(data: ArrayBufferView)\n\n  companion object {\n    val CONNECTING:
Short\n    val OPEN: Short\n    val CLOSING: Short\n    val CLOSED: Short\n  }\n}\n\n/**\n * Exposes the
JavaScript [CloseEvent](https://developer.mozilla.org/en/docs/Web/API/CloseEvent) to Kotlin\n *\npublic external
open class CloseEvent(type: String, eventInitDict: CloseEventInit = definedExternally) : Event {\n  open val
wasClean: Boolean\n  open val code: Short\n  open val reason: String\n\n  companion object {\n    val NONE:
Short\n    val CAPTURING_PHASE: Short\n    val AT_TARGET: Short\n    val BUBBLING_PHASE:
Short\n  }\n}\n\npublic external interface CloseEventInit : EventInit {\n  var wasClean: Boolean? /* = false */\n
get() = definedExternally\n  set(value) = definedExternally\n  var code: Short? /* = 0 */\n  get() =
definedExternally\n  set(value) = definedExternally\n  var reason: String? /* = "" */\n  get() =
definedExternally\n  set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun

```

```

CloseEventInit(wasClean: Boolean? = false, code: Short? = 0, reason: String? = "", bubbles: Boolean? = false,
cancelable: Boolean? = false, composed: Boolean? = false): CloseEventInit {
    val o = js("{}")
    o["wasClean"] = wasClean
    o["code"] = code
    o["reason"] = reason
    o["bubbles"] = bubbles
    o["cancelable"] = cancelable
    o["composed"] = composed
    return o
}

/** Exposes the JavaScript [MessageChannel](https://developer.mozilla.org/en/docs/Web/API/MessageChannel) to Kotlin
 * public external
open class MessageChannel {
    open val port1: MessagePort
    open val port2: MessagePort
}

/** Exposes the JavaScript [MessagePort](https://developer.mozilla.org/en/docs/Web/API/MessagePort) to Kotlin
 * public external
abstract class MessagePort : EventTarget, UnionMessagePortOrWindowProxy,
UnionMessagePortOrServiceWorker, UnionClientOrMessagePortOrServiceWorker {
    open var onmessage:
((MessageEvent) -> dynamic)?
    fun postMessage(message: Any?, transfer: Array<dynamic> =
definedExternally)
    fun start()
    fun close()
}

/** Exposes the JavaScript [BroadcastChannel](https://developer.mozilla.org/en/docs/Web/API/BroadcastChannel) to Kotlin
 * public external
open class BroadcastChannel(name: String) : EventTarget {
    open val name: String
    var onmessage:
((MessageEvent) -> dynamic)?
    fun postMessage(message: Any?)
    fun close()
}

/** Exposes the JavaScript [WorkerGlobalScope](https://developer.mozilla.org/en/docs/Web/API/WorkerGlobalScope) to Kotlin
 * public external
abstract class WorkerGlobalScope : EventTarget, WindowOrWorkerGlobalScope,
GlobalPerformance {
    open val self: WorkerGlobalScope
    open val location: WorkerLocation
    open val navigator: WorkerNavigator
    open var onerror: ((dynamic, String, Int, Int, Any?) -> dynamic)?
    open var onlanguagechange: ((Event) -> dynamic)?
    open var onoffline: ((Event) -> dynamic)?
    open var ononline:
((Event) -> dynamic)?
    open var onrejectionhandled: ((Event) -> dynamic)?
    open var onunhandledrejection:
((PromiseRejectionEvent) -> dynamic)?
    fun importScripts(vararg urls: String)
}

/** Exposes the JavaScript [DedicatedWorkerGlobalScope](https://developer.mozilla.org/en/docs/Web/API/DedicatedWorkerGlobalScope) to
Kotlin
 * public external
abstract class DedicatedWorkerGlobalScope : WorkerGlobalScope {
    open var
onmessage: ((MessageEvent) -> dynamic)?
    fun postMessage(message: Any?, transfer: Array<dynamic> =
definedExternally)
    fun close()
}

/** Exposes the JavaScript [SharedWorkerGlobalScope](https://developer.mozilla.org/en/docs/Web/API/SharedWorkerGlobalScope) to
Kotlin
 * public external
abstract class SharedWorkerGlobalScope : WorkerGlobalScope {
    open val name:
String
    open val applicationCache: ApplicationCache
    open var onconnect: ((Event) -> dynamic)?
    fun
close()
}

/** Exposes the JavaScript [AbstractWorker](https://developer.mozilla.org/en/docs/Web/API/AbstractWorker) to Kotlin
 * public external
interface AbstractWorker {
    var onerror: ((Event) -> dynamic)?
    get() = definedExternally
    set(value) =
definedExternally
}

/** Exposes the JavaScript [Worker](https://developer.mozilla.org/en/docs/Web/API/Worker) to Kotlin
 * public external
open class Worker(scriptURL: String, options: WorkerOptions = definedExternally) : EventTarget, AbstractWorker {
    var
onmessage: ((MessageEvent) -> dynamic)?
    override var onerror: ((Event) -> dynamic)?
    fun terminate()
    fun postMessage(message: Any?, transfer: Array<dynamic> = definedExternally)
}

/** public external
interface WorkerOptions {
    var type: WorkerType? /* = WorkerType.CLASSIC */
    get() = definedExternally
    set(value) = definedExternally
    var credentials: RequestCredentials? /* = RequestCredentials.OMIT */
    get() = definedExternally
    set(value) = definedExternally
}

@kotlin.internal.InlineOnly
public inline fun WorkerOptions(type: WorkerType? = WorkerType.CLASSIC, credentials: RequestCredentials? =
RequestCredentials.OMIT): WorkerOptions {
    val o = js("{}")
    o["type"] = type
    o["credentials"] =
credentials
    return o
}

/** Exposes the JavaScript [SharedWorker](https://developer.mozilla.org/en/docs/Web/API/SharedWorker) to Kotlin
 * public external
open class SharedWorker(scriptURL: String, name: String = definedExternally, options: WorkerOptions =
definedExternally) : EventTarget, AbstractWorker {
    open val port: MessagePort
    override var onerror:
((Event) -> dynamic)?
}

/** Exposes the JavaScript [NavigatorConcurrentHardware](https://developer.mozilla.org/en/docs/Web/API/NavigatorConcurrentHardware) to

```

```

Kotlin\n *\\npublic external interface NavigatorConcurrentHardware {\\n    val hardwareConcurrency:
Number\\n}\\n\\n/**\\n * Exposes the JavaScript
[WorkerNavigator](https://developer.mozilla.org/en/docs/Web/API/WorkerNavigator) to Kotlin\n *\\npublic
external abstract class WorkerNavigator : NavigatorID, NavigatorLanguage, NavigatorOnLine,
NavigatorConcurrentHardware {\\n    open val serviceWorker: ServiceWorkerContainer\\n}\\n\\n/**\\n * Exposes the
JavaScript [WorkerLocation](https://developer.mozilla.org/en/docs/Web/API/WorkerLocation) to Kotlin\n
*\\npublic external abstract class WorkerLocation {\\n    open val href: String\\n    open val origin: String\\n    open val
protocol: String\\n    open val host: String\\n    open val hostname: String\\n    open val port: String\\n    open val
pathname: String\\n    open val search: String\\n    open val hash: String\\n}\\n\\n/**\\n * Exposes the JavaScript
[Storage](https://developer.mozilla.org/en/docs/Web/API/Storage) to Kotlin\n *\\npublic external abstract class
Storage {\\n    open val length: Int\\n    fun key(index: Int): String?\\n    fun removeItem(key: String)\\n    fun clear()\\n
fun getItem(key: String): String?\\n    fun setItem(key: String, value:
String)\\n}\\n\\n@kotlin.internal.InlineOnly\\npublic inline operator fun Storage.get(key: String): String? =
asDynamic()[key]\\n\\n@kotlin.internal.InlineOnly\\npublic inline operator fun Storage.set(key: String, value: String)
{ asDynamic()[key] = value }\\n\\n/**\\n * Exposes the JavaScript
[WindowSessionStorage](https://developer.mozilla.org/en/docs/Web/API/WindowSessionStorage) to Kotlin\n
*\\npublic external interface WindowSessionStorage {\\n    val sessionStorage: Storage\\n}\\n\\n/**\\n * Exposes the
JavaScript [WindowLocalStorage](https://developer.mozilla.org/en/docs/Web/API/WindowLocalStorage) to
Kotlin\n *\\npublic external interface WindowLocalStorage {\\n    val localStorage: Storage\\n}\\n\\n/**\\n * Exposes
the JavaScript [StorageEvent](https://developer.mozilla.org/en/docs/Web/API/StorageEvent) to Kotlin\n *\\npublic
external open class StorageEvent(type: String, eventInitDict: StorageEventInit = definedExternally) : Event {\\n
    open val key: String?\\n    open val oldValue: String?\\n    open val newValue: String?\\n    open val url: String\\n
    open val storageArea: Storage?\\n\\n    companion object {\\n        val NONE: Short\\n        val CAPTURING_PHASE:
Short\\n        val AT_TARGET: Short\\n        val BUBBLING_PHASE: Short\\n    }\\n}\\n\\npublic external interface
StorageEventInit : EventInit {\\n    var key: String? /* = null */\\n        get() = definedExternally\\n        set(value) =
definedExternally\\n    var oldValue: String? /* = null */\\n        get() = definedExternally\\n        set(value) =
definedExternally\\n    var newValue: String? /* = null */\\n        get() = definedExternally\\n        set(value) =
definedExternally\\n    var url: String? /* = \\\"\" */\\n        get() = definedExternally\\n        set(value) =
definedExternally\\n    var storageArea: Storage? /* = null */\\n        get() = definedExternally\\n        set(value) =
definedExternally\\n}\\n\\n@kotlin.internal.InlineOnly\\npublic inline fun StorageEventInit(key: String? = null,
oldValue: String? = null, newValue: String? = null, url: String? = \\\"\", storageArea: Storage? = null, bubbles:
Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): StorageEventInit {\\n    val o =
js(\\\"({})\\\")\\n    o[\\\"key\\\"] = key\\n    o[\\\"oldValue\\\"] = oldValue\\n    o[\\\"newValue\\\"] = newValue\\n    o[\\\"url\\\"] =
url\\n    o[\\\"storageArea\\\"] = storageArea\\n    o[\\\"bubbles\\\"] = bubbles\\n    o[\\\"cancelable\\\"] = cancelable\\n
    o[\\\"composed\\\"] = composed\\n    return o\\n}\\n\\npublic external abstract class HTMLAppletElement :
HTMLDivElement {\\n    open var align: String\\n    open var alt: String\\n    open var archive: String\\n    open var code:
String\\n    open var codeBase: String\\n    open var height: String\\n    open var hspace: Int\\n    open var name:
String\\n    open var _object: String\\n    open var vspace: Int\\n    open var width: String\\n\\n    companion object {\\n
        val ELEMENT_NODE: Short\\n        val ATTRIBUTE_NODE: Short\\n        val TEXT_NODE: Short\\n        val
CDATA_SECTION_NODE: Short\\n        val ENTITY_REFERENCE_NODE: Short\\n        val ENTITY_NODE:
Short\\n        val PROCESSING_INSTRUCTION_NODE: Short\\n        val COMMENT_NODE: Short\\n        val
DOCUMENT_NODE: Short\\n        val DOCUMENT_TYPE_NODE: Short\\n        val
DOCUMENT_FRAGMENT_NODE: Short\\n        val NOTATION_NODE: Short\\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\\n        val DOCUMENT_POSITION_PRECEDING: Short\\n
        val DOCUMENT_POSITION_FOLLOWING: Short\\n        val DOCUMENT_POSITION_CONTAINS: Short\\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\\n    }\\n}\\n\\n/**\\n * Exposes the JavaScript
[HTMLMarqueeElement](https://developer.mozilla.org/en/docs/Web/API/HTMLMarqueeElement) to Kotlin\n

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*/\npublic external abstract class HTMLMarqueeElement : HTMLInputElement {\n  open var behavior: String\n  open var bgColor: String\n  open var direction: String\n  open var height: String\n  open var hspace: Int\n  open var loop: Int\n  open var scrollAmount: Int\n  open var scrollDelay: Int\n  open var trueSpeed: Boolean\n  open var vspace: Int\n  open var width: String\n  open var onbounce: ((Event) -> dynamic)?\n  open var onfinish: ((Event) -> dynamic)?\n  open var onstart: ((Event) -> dynamic)?\n  fun start()\n  fun stop()\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript [HTMLFrameSetElement](https://developer.mozilla.org/en/docs/Web/API/HTMLFrameSetElement) to Kotlin\n */\n\npublic external abstract class HTMLFrameSetElement : HTMLInputElement, WindowEventHandlers {\n  open var cols: String\n  open var rows: String\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\npublic external abstract class HTMLFrameElement : HTMLInputElement {\n  open var name: String\n  open var scrolling: String\n  open var src: String\n  open var frameBorder: String\n  open var longDesc: String\n  open var noResize: Boolean\n  open val contentDocument: Document?\n  open val contentWindow: Window?\n  open var marginHeight: String\n  open var marginWidth: String\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\npublic external abstract class HTMLDirectoryElement : HTMLInputElement {\n  open var compact: Boolean\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n    val DOCUMENT_POSITION_CONTAINED_BY: Short\n  }\n}

```

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DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[HTMLElement](https://developer.mozilla.org/en/docs/Web/API/HTMLElement) to Kotlin\n *\npublic
external abstract class HTMLElement : HTMLElement {\n  open var color: String\n  open var face: String\n
open var size: String\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\npublic external interface External
{\n  fun AddSearchProvider()\n  fun IsSearchProviderInstalled()\n}\n\npublic external interface EventInit {\n
var bubbles: Boolean? /* = false */\n    get() = definedExternally\n    set(value) = definedExternally\n  var
cancelable: Boolean? /* = false */\n    get() = definedExternally\n    set(value) = definedExternally\n  var
composed: Boolean? /* = false */\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun EventInit(bubbles: Boolean? = false,
cancelable: Boolean? = false, composed: Boolean? = false): EventInit {\n  val o = js("{}")\n  o["bubbles"] =
bubbles\n  o["cancelable"] = cancelable\n  o["composed"] = composed\n  return o\n}\n\n/**\n * Exposes the
JavaScript [CustomEvent](https://developer.mozilla.org/en/docs/Web/API/CustomEvent) to Kotlin\n *\npublic
external open class CustomEvent(type: String, eventInitDict: CustomEventInit = definedExternally) : Event {\n
open val detail: Any?\n  fun initCustomEvent(type: String, bubbles: Boolean, cancelable: Boolean, detail:
Any?)\n\n  companion object {\n    val NONE: Short\n    val CAPTURING_PHASE: Short\n    val
AT_TARGET: Short\n    val BUBBLING_PHASE: Short\n  }\n}\n\npublic external interface CustomEventInit :
EventInit {\n  var detail: Any? /* = null */\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun CustomEventInit(detail: Any? = null,
bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): CustomEventInit {\n  val o
= js("{}")\n  o["detail"] = detail\n  o["bubbles"] = bubbles\n  o["cancelable"] = cancelable\n
o["composed"] = composed\n  return o\n}\n\npublic external interface EventListenerOptions {\n  var capture:
Boolean? /* = false */\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun EventListenerOptions(capture: Boolean? =
false): EventListenerOptions {\n  val o = js("{}")\n  o["capture"] = capture\n  return o\n}\n\npublic external
interface AddEventListenerOptions : EventListenerOptions {\n  var passive: Boolean? /* = false */\n    get() =
definedExternally\n    set(value) = definedExternally\n  var once: Boolean? /* = false */\n    get() =
definedExternally\n    set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
AddEventListenerOptions(passive: Boolean? = false, once: Boolean? = false, capture: Boolean? = false):
AddEventListenerOptions {\n  val o = js("{}")\n  o["passive"] = passive\n  o["once"] = once\n
o["capture"] = capture\n  return o\n}\n\npublic external interface NonElementParentNode {\n  fun
getElementById(elementId: String): Element?\n}\n\n/**\n * Exposes the JavaScript
[DocumentOrShadowRoot](https://developer.mozilla.org/en/docs/Web/API/DocumentOrShadowRoot) to Kotlin\n\n
*\npublic external interface DocumentOrShadowRoot {\n  val fullscreenElement: Element?\n    get() =
definedExternally\n}\n\n/**\n * Exposes the JavaScript
[ParentNode](https://developer.mozilla.org/en/docs/Web/API/ParentNode) to Kotlin\n\n *\npublic external interface
ParentNode {\n  val children: HTMLCollection\n  val firstElementChild: Element?\n    get() =
definedExternally\n  val lastElementChild: Element?\n    get() = definedExternally\n  val childElementCount:
Int\n  fun prepend(vararg nodes: dynamic)\n  fun append(vararg nodes: dynamic)\n  fun querySelector(selectors:
String): Element?\n  fun querySelectorAll(selectors: String): NodeList\n}\n\n/**\n * Exposes the JavaScript

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[NonDocumentTypeChildNode](https://developer.mozilla.org/en/docs/Web/API/NonDocumentTypeChildNode) to Kotlin\n *\\npublic external interface NonDocumentTypeChildNode {\\n val previousElementSibling: Element?\\n get() = definedExternally\\n val nextElementSibling: Element?\\n get() = definedExternally\\n}\\n\\n/**\\n * Exposes the JavaScript [ChildNode](https://developer.mozilla.org/en/docs/Web/API/ChildNode) to Kotlin\\n *\\npublic external interface ChildNode {\\n fun before(vararg nodes: dynamic)\\n fun after(vararg nodes: dynamic)\\n fun replaceWith(vararg nodes: dynamic)\\n fun remove()\\n}\\n\\n/**\\n * Exposes the JavaScript [Slotable](https://developer.mozilla.org/en/docs/Web/API/Slotable) to Kotlin\\n *\\npublic external interface Slotable {\\n val assignedSlot: HTMLSlotElement?\\n get() = definedExternally\\n}\\n\\n/**\\n * Exposes the JavaScript [NodeList](https://developer.mozilla.org/en/docs/Web/API/NodeList) to Kotlin\\n *\\npublic external abstract class NodeList : ItemArrayLike<Node> {\\n override fun item(index: Int): Node?\\n}\\n\\n@kotlin.internal.InlineOnly\\npublic inline operator fun NodeList.get(index: Int): Node? = asDynamic()[index]\\n\\n/**\\n * Exposes the JavaScript [HTMLCollection](https://developer.mozilla.org/en/docs/Web/API/HTMLCollection) to Kotlin\\n *\\npublic external abstract class HTMLCollection : ItemArrayLike<Element>, UnionElementOrHTMLCollection {\\n override fun item(index: Int): Element?\\n fun namedItem(name: String): Element?\\n}\\n\\n@kotlin.internal.InlineOnly\\npublic inline operator fun HTMLCollection.get(index: Int): Element? = asDynamic()[index]\\n\\n@kotlin.internal.InlineOnly\\npublic inline operator fun HTMLCollection.get(name: String): Element? = asDynamic()[name]\\n\\n/**\\n * Exposes the JavaScript [MutationObserver](https://developer.mozilla.org/en/docs/Web/API/MutationObserver) to Kotlin\\n *\\npublic external open class MutationObserver(callback: (Array<MutationRecord>, MutationObserver) -> Unit) {\\n fun observe(target: Node, options: MutationObserverInit = definedExternally)\\n fun disconnect()\\n fun takeRecords(): Array<MutationRecord>\\n}\\n\\n/**\\n * Exposes the JavaScript [MutationObserverInit](https://developer.mozilla.org/en/docs/Web/API/MutationObserverInit) to Kotlin\\n *\\npublic external interface MutationObserverInit {\\n var childList: Boolean? /* = false */\\n get() = definedExternally\\n set(value) = definedExternally\\n var attributes: Boolean?\\n get() = definedExternally\\n set(value) = definedExternally\\n var characterData: Boolean?\\n get() = definedExternally\\n set(value) = definedExternally\\n var subtree: Boolean? /* = false */\\n get() = definedExternally\\n set(value) = definedExternally\\n var attributeOldValue: Boolean?\\n get() = definedExternally\\n set(value) = definedExternally\\n var characterDataOldValue: Boolean?\\n get() = definedExternally\\n set(value) = definedExternally\\n var attributeFilter: Array<String>?\\n get() = definedExternally\\n set(value) = definedExternally\\n}\\n\\n@kotlin.internal.InlineOnly\\npublic inline fun MutationObserverInit(childList: Boolean? = false, attributes: Boolean? = undefined, characterData: Boolean? = undefined, subtree: Boolean? = false, attributeOldValue: Boolean? = undefined, characterDataOldValue: Boolean? = undefined, attributeFilter: Array<String>? = undefined): MutationObserverInit {\\n val o = js("\\{\\}")\\n o["childList"] = childList\\n o["attributes"] = attributes\\n o["characterData"] = characterData\\n o["subtree"] = subtree\\n o["attributeOldValue"] = attributeOldValue\\n o["characterDataOldValue"] = characterDataOldValue\\n o["attributeFilter"] = attributeFilter\\n return o\\n}\\n\\n/**\\n * Exposes the JavaScript [MutationRecord](https://developer.mozilla.org/en/docs/Web/API/MutationRecord) to Kotlin\\n *\\npublic external abstract class MutationRecord {\\n open val type: String\\n open val target: Node\\n open val addedNodes: NodeList\\n open val removedNodes: NodeList\\n open val previousSibling: Node?\\n open val nextSibling: Node?\\n open val attributeName: String?\\n open val attributeNamespace: String?\\n open val oldValue: String?\\n}\\n\\n/**\\n * Exposes the JavaScript [Node](https://developer.mozilla.org/en/docs/Web/API/Node) to Kotlin\\n *\\npublic external abstract class Node : EventTarget {\\n open val nodeType: Short\\n open val nodeName: String\\n open val baseURI: String\\n open val isConnected: Boolean\\n open val ownerDocument: Document?\\n open val parentNode: Node?\\n open val parentElement: Element?\\n open val childNodes: NodeList\\n open val firstChild: Node?\\n open val lastChild: Node?\\n open val previousSibling: Node?\\n open val nextSibling: Node?\\n open var nodeValue: String?\\n open var textContent: String?\\n fun getRootNode(options: GetRootNodeOptions = definedExternally): Node\\n fun hasChildNodes(): Boolean\\n fun


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normalize()\n fun cloneNode(deep: Boolean = definedExternally): Node\n fun isEqualNode(otherNode: Node?):
Boolean\n fun isSameNode(otherNode: Node?): Boolean\n fun compareDocumentPosition(other: Node): Short\n
fun contains(other: Node?): Boolean\n fun lookupPrefix(namespace: String?): String?\n fun
lookupNamespaceURI(prefix: String?): String?\n fun isDefaultNamespace(namespace: String?): Boolean\n fun
insertBefore(node: Node, child: Node?): Node\n fun appendChild(node: Node): Node\n fun replaceChild(node:
Node, child: Node): Node\n fun removeChild(child: Node): Node\n\n companion object {\n val
ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val
CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE:
Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n\npublic external interface
GetRootNodeOptions {\n var composed: Boolean? /* = false */\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun GetRootNodeOptions(composed: Boolean?
= false): GetRootNodeOptions {\n val o = js("{}")\n o["composed"] = composed\n return o}\n\n/**\n *
Exposes the JavaScript [Document](https://developer.mozilla.org/en/docs/Web/API/Document) to Kotlin\n
*/\npublic external open class Document : Node, GlobalEventHandlers, DocumentAndElementEventHandlers,
NonElementParentNode, DocumentOrShadowRoot, ParentNode, GeometryUtils {\n open val implementation:
DOMImplementation\n open val URL: String\n open val documentURI: String\n open val origin: String\n
open val compatMode: String\n open val characterSet: String\n open val charset: String\n open val
inputEncoding: String\n open val contentType: String\n open val doctype: DocumentType?\n open val
documentElement: Element?\n open val location: Location?\n var domain: String\n open val referrer: String\n
var cookie: String\n open val lastModified: String\n open val readyState: DocumentReadyState\n var title:
String\n var dir: String\n var body: HTMLElement?\n open val head: HTMLHeadElement?\n open val
images: HTMLCollection\n open val embeds: HTMLCollection\n open val plugins: HTMLCollection\n open
val links: HTMLCollection\n open val forms: HTMLCollection\n open val scripts: HTMLCollection\n open
val currentScript: HTMLScriptElement?\n open val defaultView: Window?\n open val activeElement:
Element?\n var designMode: String\n var onreadystatechange: ((Event) -> dynamic)?\n var fgColor: String\n
var linkColor: String\n var vlinkColor: String\n var alinkColor: String\n var bgColor: String\n open val
anchors: HTMLCollection\n open val applets: HTMLCollection\n open val all: HTMLAllCollection\n open
val scrollingElement: Element?\n open val styleSheets: StyleSheetList\n open val rootElement:
SVGSVGElement?\n open val fullscreenEnabled: Boolean\n open val fullscreen: Boolean\n var
onfullscreenchange: ((Event) -> dynamic)?\n var onfullscreenerror: ((Event) -> dynamic)?\n override var
onabort: ((Event) -> dynamic)?\n override var onblur: ((FocusEvent) -> dynamic)?\n override var oncancel:
((Event) -> dynamic)?\n override var oncanplay: ((Event) -> dynamic)?\n override var oncanplaythrough:
((Event) -> dynamic)?\n override var onchange: ((Event) -> dynamic)?\n override var onclick: ((MouseEvent) ->
dynamic)?\n override var onclose: ((Event) -> dynamic)?\n override var oncontextmenu: ((MouseEvent) ->
dynamic)?\n override var oncuechange: ((Event) -> dynamic)?\n override var ondblclick: ((MouseEvent) ->
dynamic)?\n override var ondrag: ((DragEvent) -> dynamic)?\n override var ondragend: ((DragEvent) ->
dynamic)?\n override var ondragenter: ((DragEvent) -> dynamic)?\n override var ondragexit: ((DragEvent) ->
dynamic)?\n override var ondragleave: ((DragEvent) -> dynamic)?\n override var ondragover: ((DragEvent) ->
dynamic)?\n override var ondragstart: ((DragEvent) -> dynamic)?\n override var ondrop: ((DragEvent) ->
dynamic)?\n override var ondurationchange: ((Event) -> dynamic)?\n override var onemptied: ((Event) ->
dynamic)?\n override var onended: ((Event) -> dynamic)?\n override var onerror: ((dynamic, String, Int, Int,
Any?) -> dynamic)?\n override var onfocus: ((FocusEvent) -> dynamic)?\n override var oninput: ((InputEvent) -

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> dynamic)?\n  override var oninvalid: ((Event) -> dynamic)?\n  override var onkeydown: ((KeyboardEvent) ->
dynamic)?\n  override var onkeypress: ((KeyboardEvent) -> dynamic)?\n  override var onkeyup:
((KeyboardEvent) -> dynamic)?\n  override var onload: ((Event) -> dynamic)?\n  override var onloadeddata:
((Event) -> dynamic)?\n  override var onloadedmetadata: ((Event) -> dynamic)?\n  override var onloadend:
((Event) -> dynamic)?\n  override var onloadstart: ((ProgressEvent) -> dynamic)?\n  override var onmousedown:
((MouseEvent) -> dynamic)?\n  override var onmouseenter: ((MouseEvent) -> dynamic)?\n  override var
onmouseleave: ((MouseEvent) -> dynamic)?\n  override var onmousemove: ((MouseEvent) -> dynamic)?\n
override var onmouseout: ((MouseEvent) -> dynamic)?\n  override var onmouseover: ((MouseEvent) ->
dynamic)?\n  override var onmouseup: ((MouseEvent) -> dynamic)?\n  override var onwheel: ((WheelEvent) ->
dynamic)?\n  override var onpause: ((Event) -> dynamic)?\n  override var onplay: ((Event) -> dynamic)?\n
override var onplaying: ((Event) -> dynamic)?\n  override var onprogress: ((ProgressEvent) -> dynamic)?\n
override var onratechange: ((Event) -> dynamic)?\n  override var onreset: ((Event) -> dynamic)?\n  override var
onresize: ((Event) -> dynamic)?\n  override var onscroll: ((Event) -> dynamic)?\n  override var onseeked:
((Event) -> dynamic)?\n  override var onseeking: ((Event) -> dynamic)?\n  override var onselect: ((Event) ->
dynamic)?\n  override var onshow: ((Event) -> dynamic)?\n  override var onstalled: ((Event) -> dynamic)?\n
override var onsubmit: ((Event) -> dynamic)?\n  override var onsuspend: ((Event) -> dynamic)?\n  override var
ontimeupdate: ((Event) -> dynamic)?\n  override var ontoggle: ((Event) -> dynamic)?\n  override var
onvolumechange: ((Event) -> dynamic)?\n  override var onwaiting: ((Event) -> dynamic)?\n  override var
ongotpointercapture: ((PointerEvent) -> dynamic)?\n  override var onlostpointercapture: ((PointerEvent) ->
dynamic)?\n  override var onpointerdown: ((PointerEvent) -> dynamic)?\n  override var onpointermove:
((PointerEvent) -> dynamic)?\n  override var onpointerup: ((PointerEvent) -> dynamic)?\n  override var
onpointercancel: ((PointerEvent) -> dynamic)?\n  override var onpointerover: ((PointerEvent) -> dynamic)?\n
override var onpointerout: ((PointerEvent) -> dynamic)?\n  override var onpointerenter: ((PointerEvent) ->
dynamic)?\n  override var onpointerleave: ((PointerEvent) -> dynamic)?\n  override var oncopy:
((ClipboardEvent) -> dynamic)?\n  override var oncut: ((ClipboardEvent) -> dynamic)?\n  override var onpaste:
((ClipboardEvent) -> dynamic)?\n  override val fullscreenElement: Element?\n  override val children:
HTMLCollection\n  override val firstElementChild: Element?\n  override val lastElementChild: Element?\n
override val childElementCount: Int\n  fun getElementsByTagName(qualifiedName: String): HTMLCollection\n
fun getElementsByTagNameNS(namespace: String?, localName: String): HTMLCollection\n  fun
getElementsByTagName(className: String): HTMLCollection\n  fun createElement(localName: String,
options: ElementCreationOptions = definedExternally): Element\n  fun createElementNS(namespace: String?,
qualifiedName: String, options: ElementCreationOptions = definedExternally): Element\n  fun
createDocumentFragment(): DocumentFragment\n  fun createTextNode(data: String): Text\n  fun
createCDATASection(data: String): CDATASection\n  fun createComment(data: String): Comment\n  fun
createProcessingInstruction(target: String, data: String): ProcessingInstruction\n  fun importNode(node: Node,
deep: Boolean = definedExternally): Node\n  fun adoptNode(node: Node): Node\n  fun
createAttribute(localName: String): Attr\n  fun createAttributeNS(namespace: String?, qualifiedName: String):
Attr\n  fun createEvent(`interface`: String): Event\n  fun createRange(): Range\n  fun createNodeIterator(root:
Node, whatToShow: Int = definedExternally, filter: NodeFilter? = definedExternally): NodeIterator\n  fun
createNodeIterator(root: Node, whatToShow: Int = definedExternally, filter: ((Node) -> Short)? =
definedExternally): NodeIterator\n  fun createTreeWalker(root: Node, whatToShow: Int = definedExternally, filter:
NodeFilter? = definedExternally): TreeWalker\n  fun createTreeWalker(root: Node, whatToShow: Int =
definedExternally, filter: ((Node) -> Short)? = definedExternally): TreeWalker\n  fun
getElementsByTagName(elementName: String): NodeList\n  fun open(type: String = definedExternally, replace:
String = definedExternally): Document\n  fun open(url: String, name: String, features: String): Window\n  fun
close()\n  fun write(vararg text: String)\n  fun writeln(vararg text: String)\n  fun hasFocus(): Boolean\n  fun
execCommand(commandId: String, showUI: Boolean = definedExternally, value: String = definedExternally):
Boolean\n  fun queryCommandEnabled(commandId: String): Boolean\n  fun

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queryCommandIndeterm(commandId: String): Boolean\n fun queryCommandState(commandId: String):
Boolean\n fun queryCommandSupported(commandId: String): Boolean\n fun
queryCommandValue(commandId: String): String\n fun clear()\n fun captureEvents()\n fun releaseEvents()\n
fun elementFromPoint(x: Double, y: Double): Element?\n fun elementsFromPoint(x: Double, y: Double):
Array<Element>\n fun caretPositionFromPoint(x: Double, y: Double): CaretPosition?\n fun exitFullscreen():
Promise<Unit>\n override fun getElementById(elementId: String): Element?\n override fun prepend(vararg
nodes: dynamic)\n override fun append(vararg nodes: dynamic)\n override fun querySelector(selectors: String):
Element?\n override fun querySelectorAll(selectors: String): NodeList\n override fun getBoxQuads(options:
BoxQuadOptions /* = definedExternally */): Array<DOMQuad>\n override fun convertQuadFromNode(quad:
dynamic, from: dynamic, options: ConvertCoordinateOptions /* = definedExternally */): DOMQuad\n override
fun convertRectFromNode(rect: DOMRectReadOnly, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMQuad\n override fun convertPointFromNode(point: DOMPointInit, from: dynamic,
options: ConvertCoordinateOptions /* = definedExternally */): DOMPoint\n\n companion object {\n val
ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val
CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE:
Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n
}\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun Document.get(name: String): dynamic =
asDynamic()[name]\n\n/**\n * Exposes the JavaScript
[XMLDocument](https://developer.mozilla.org/en/docs/Web/API/XMLDocument) to Kotlin\n */\npublic external
open class XMLDocument : Document {\n companion object {\n val ELEMENT_NODE: Short\n val
ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\npublic external interface
ElementCreationOptions {\n var `is`: String?\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ElementCreationOptions(`is`: String? =
undefined): ElementCreationOptions {\n val o = js("{}")\n o["is"] = `is`\n return o}\n\n/**\n * Exposes
the JavaScript [DOMImplementation](https://developer.mozilla.org/en/docs/Web/API/DOMImplementation) to
Kotlin\n */\npublic external abstract class DOMImplementation {\n fun createDocumentType(qualifiedName:
String, publicId: String, systemId: String): DocumentType\n fun createDocument(namespace: String?,
qualifiedName: String, doctype: DocumentType? = definedExternally): XMLDocument\n fun
createHTMLDocument(title: String = definedExternally): Document\n fun hasFeature(): Boolean}\n\n/**\n *
Exposes the JavaScript [DocumentType](https://developer.mozilla.org/en/docs/Web/API/DocumentType) to
Kotlin\n */\npublic external abstract class DocumentType : Node, ChildNode {\n open val name: String\n open
val publicId: String\n open val systemId: String\n\n companion object {\n val ELEMENT_NODE: Short\n
val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n
val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val

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PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[DocumentFragment](https://developer.mozilla.org/en/docs/Web/API/DocumentFragment) to Kotlin\n *^\npublic
external open class DocumentFragment : Node, NonElementParentNode, ParentNode {\n    override val children:
HTMLCollection\n    override val firstElementChild: Element?\n    override val lastElementChild: Element?\n
    override val childElementCount: Int\n    override fun getElementById(elementId: String): Element?\n    override fun
prepend(vararg nodes: dynamic)\n    override fun append(vararg nodes: dynamic)\n    override fun
querySelector(selectors: String): Element?\n    override fun querySelectorAll(selectors: String): NodeList\n\n
companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val
TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE:
Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val
COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n
    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[ShadowRoot](https://developer.mozilla.org/en/docs/Web/API/ShadowRoot) to Kotlin\n *^\npublic external open
class ShadowRoot : DocumentFragment, DocumentOrShadowRoot {\n    open val mode: ShadowRootMode\n
    open val host: Element\n    override val fullscreenElement: Element?\n\n    companion object {\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[Element](https://developer.mozilla.org/en/docs/Web/API/Element) to Kotlin\n *^\npublic external abstract class
Element : Node, ParentNode, NonDocumentTypeChildNode, ChildNode, Slotable, GeometryUtils,
UnionElementOrHTMLCollection, UnionElementOrRadioNodeList, UnionElementOrMouseEvent,
UnionElementOrProcessingInstruction {\n    open val namespaceURI: String?\n    open val prefix: String?\n    open
val localName: String\n    open val tagName: String\n    open var id: String\n    open var className: String\n    open
val classList: DOMTokenList\n    open var slot: String\n    open val attributes: NamedNodeMap\n    open val
shadowRoot: ShadowRoot?\n    open var scrollTop: Double\n    open var scrollLeft: Double\n    open val
scrollWidth: Int\n    open val scrollHeight: Int\n    open val clientTop: Int\n    open val clientLeft: Int\n    open val
clientWidth: Int\n    open val clientHeight: Int\n    open var innerHTML: String\n    open var outerHTML: String\n
    fun hasAttributes(): Boolean\n    fun getAttributeNames(): Array<String>\n    fun getAttribute(qualifiedName:
String): String?\n    fun getAttributeNS(namespace: String?, localName: String): String?\n    fun
setAttribute(qualifiedName: String, value: String)\n    fun setAttributeNS(namespace: String?, qualifiedName:
String, value: String)\n    fun removeAttribute(qualifiedName: String)\n    fun removeAttributeNS(namespace:
String?, localName: String)\n    fun hasAttribute(qualifiedName: String): Boolean\n    fun

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hasAttributeNS(namespace: String?, localName: String): Boolean\n fun getAttributeNode(qualifiedName: String):
Attr?\n fun getAttributeNodeNS(namespace: String?, localName: String): Attr?\n fun setAttributeNode(attr:
Attr): Attr?\n fun setAttributeNodeNS(attr: Attr): Attr?\n fun removeAttributeNode(attr: Attr): Attr\n fun
attachShadow(init: ShadowRootInit): ShadowRoot\n fun closest(selectors: String): Element?\n fun
matches(selectors: String): Boolean\n fun webkitMatchesSelector(selectors: String): Boolean\n fun
getElementsByTagName(qualifiedName: String): HTMLCollection\n fun
getElementsByTagNameNS(namespace: String?, localName: String): HTMLCollection\n fun
getElementsByClassName(classNames: String): HTMLCollection\n fun insertAdjacentElement(where: String,
element: Element): Element?\n fun insertAdjacentText(where: String, data: String)\n fun getClientRects():
Array<DOMRect>\n fun getBoundingClientRect(): DOMRect\n fun scrollIntoView()\n fun
scrollIntoView(arg: dynamic)\n fun scroll(options: ScrollToOptions = definedExternally)\n fun scroll(x: Double,
y: Double)\n fun scrollTo(options: ScrollToOptions = definedExternally)\n fun scrollTo(x: Double, y: Double)\n
fun scrollBy(options: ScrollToOptions = definedExternally)\n fun scrollBy(x: Double, y: Double)\n fun
insertAdjacentHTML(position: String, text: String)\n fun setPointerCapture(pointerId: Int)\n fun
releasePointerCapture(pointerId: Int)\n fun hasPointerCapture(pointerId: Int): Boolean\n fun requestFullscreen():
Promise<Unit>\n\n companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE:
Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }
}\n\npublic external interface
ShadowRootInit {\n    var mode: ShadowRootMode?\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ShadowRootInit(mode:
ShadowRootMode?): ShadowRootInit {\n    val o = js("{}")\n    o["mode"] = mode\n    return o\n}\n\n/**\n *
Exposes the JavaScript [NamedNodeMap](https://developer.mozilla.org/en/docs/Web/API/NamedNodeMap) to
Kotlin\n */\npublic external abstract class NamedNodeMap : ItemArrayLike<Attr> {\n    fun
getNamedItemNS(namespace: String?, localName: String): Attr?\n    fun setNamedItem(attr: Attr): Attr?\n    fun
setNamedItemNS(attr: Attr): Attr?\n    fun removeNamedItem(qualifiedName: String): Attr\n    fun
removeNamedItemNS(namespace: String?, localName: String): Attr\n    override fun item(index: Int): Attr?\n    fun
getNamedItem(qualifiedName: String): Attr?\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun
NamedNodeMap.get(index: Int): Attr? = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator
fun NamedNodeMap.get(qualifiedName: String): Attr? = asDynamic()[qualifiedName]\n\n/**\n * Exposes the
JavaScript [Attr](https://developer.mozilla.org/en/docs/Web/API/Attr) to Kotlin\n */\npublic external abstract class
Attr : Node {\n    open val namespaceURI: String?\n    open val prefix: String?\n    open val localName: String\n
open val name: String\n    open var value: String\n    open val ownerElement: Element?\n    open val specified:
Boolean\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n
        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }
}\n\n/**\n * Exposes the JavaScript

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[CharacterData](https://developer.mozilla.org/en/docs/Web/API/CharacterData) to Kotlin\n *\npublic external
abstract class CharacterData : Node, NonDocumentTypeChildNode, ChildNode {\n  open var data: String\n  open
val length: Int\n  fun substringData(offset: Int, count: Int): String\n  fun appendData(data: String)\n  fun
insertData(offset: Int, data: String)\n  fun deleteData(offset: Int, count: Int)\n  fun replaceData(offset: Int, count:
Int, data: String)\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE:
Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[Text](https://developer.mozilla.org/en/docs/Web/API/Text) to Kotlin\n *\npublic external open class Text(data:
String = definedExternally) : CharacterData, Slotable, GeometryUtils {\n  open val wholeText: String\n  override
val assignedSlot: HTMLSlotElement?\n  override val previousElementSibling: Element?\n  override val
nextElementSibling: Element?\n  fun splitText(offset: Int): Text\n  override fun getBoxQuads(options:
BoxQuadOptions /* = definedExternally */): Array<DOMQuad>\n  override fun convertQuadFromNode(quad:
dynamic, from: dynamic, options: ConvertCoordinateOptions /* = definedExternally */): DOMQuad\n  override
fun convertRectFromNode(rect: DOMRectReadOnly, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMQuad\n  override fun convertPointFromNode(point: DOMPointInit, from: dynamic,
options: ConvertCoordinateOptions /* = definedExternally */): DOMPoint\n  override fun before(vararg nodes:
dynamic)\n  override fun after(vararg nodes: dynamic)\n  override fun replaceWith(vararg nodes: dynamic)\n
override fun remove()\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[CDATASection](https://developer.mozilla.org/en/docs/Web/API/CDATASection) to Kotlin\n *\npublic external
open class CDATASection : Text {\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[ProcessingInstruction](https://developer.mozilla.org/en/docs/Web/API/ProcessingInstruction) to Kotlin\n
*\npublic external abstract class ProcessingInstruction : CharacterData, LinkStyle,
UnionElementOrProcessingInstruction {\n  open val target: String\n\n  companion object {\n    val

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ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[Comment](https://developer.mozilla.org/en/docs/Web/API/Comment) to Kotlin \n * \n public external open class
Comment(data: String = definedExternally) : CharacterData { \n    override val previousElementSibling: Element? \n
    override val nextElementSibling: Element? \n    override fun before(vararg nodes: dynamic) \n    override fun
after(vararg nodes: dynamic) \n    override fun replaceWith(vararg nodes: dynamic) \n    override fun remove() \n
companion object { \n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val
TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE:
Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val
COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n
    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[Range](https://developer.mozilla.org/en/docs/Web/API/Range) to Kotlin \n * \n public external open class Range { \n
    open val startContainer: Node \n    open val startOffset: Int \n    open val endContainer: Node \n    open val
endOffset: Int \n    open val collapsed: Boolean \n    open val commonAncestorContainer: Node \n    fun setStart(node:
Node, offset: Int) \n    fun setEnd(node: Node, offset: Int) \n    fun setStartBefore(node: Node) \n    fun
setStartAfter(node: Node) \n    fun setEndBefore(node: Node) \n    fun setEndAfter(node: Node) \n    fun
collapse(toStart: Boolean = definedExternally) \n    fun selectNode(node: Node) \n    fun selectNodeContents(node:
Node) \n    fun compareBoundaryPoints(how: Short, sourceRange: Range): Short \n    fun deleteContents() \n    fun
extractContents(): DocumentFragment \n    fun cloneContents(): DocumentFragment \n    fun insertNode(node:
Node) \n    fun surroundContents(newParent: Node) \n    fun cloneRange(): Range \n    fun detach() \n    fun
isPointInRange(node: Node, offset: Int): Boolean \n    fun comparePoint(node: Node, offset: Int): Short \n    fun
intersectsNode(node: Node): Boolean \n    fun getClientRects(): Array<DOMRect> \n    fun
getBoundingClientRect(): DOMRect \n    fun createContextualFragment(fragment: String): DocumentFragment \n \n
companion object { \n    val START_TO_START: Short\n    val START_TO_END: Short\n    val
END_TO_END: Short\n    val END_TO_START: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[NodeIterator](https://developer.mozilla.org/en/docs/Web/API/NodeIterator) to Kotlin \n * \n public external abstract
class NodeIterator { \n    open val root: Node \n    open val referenceNode: Node \n    open val
pointerBeforeReferenceNode: Boolean \n    open val whatToShow: Int \n    open val filter: NodeFilter? \n    fun
nextNode(): Node? \n    fun previousNode(): Node? \n    fun detach() \n} \n \n /** \n * Exposes the JavaScript
[TreeWalker](https://developer.mozilla.org/en/docs/Web/API/TreeWalker) to Kotlin \n * \n public external abstract
class TreeWalker { \n    open val root: Node \n    open val whatToShow: Int \n    open val filter: NodeFilter? \n    open
var currentNode: Node \n    fun parentNode(): Node? \n    fun firstChild(): Node? \n    fun lastChild(): Node? \n    fun
previousSibling(): Node? \n    fun nextSibling(): Node? \n    fun previousNode(): Node? \n    fun nextNode():
Node? \n} \n \n /** \n * Exposes the JavaScript
[NodeFilter](https://developer.mozilla.org/en/docs/Web/API/NodeFilter) to Kotlin \n
* \n @Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE") \n public external interface NodeFilter { \n
    fun acceptNode(node: Node): Short \n \n    companion object { \n    val FILTER_ACCEPT: Short\n    val

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FILTER_REJECT: Short\n    val FILTER_SKIP: Short\n    val SHOW_ALL: Int\n    val
SHOW_ELEMENT: Int\n    val SHOW_ATTRIBUTE: Int\n    val SHOW_TEXT: Int\n    val
SHOW_CDATA_SECTION: Int\n    val SHOW_ENTITY_REFERENCE: Int\n    val SHOW_ENTITY: Int\n
    val SHOW_PROCESSING_INSTRUCTION: Int\n    val SHOW_COMMENT: Int\n    val
SHOW_DOCUMENT: Int\n    val SHOW_DOCUMENT_TYPE: Int\n    val
SHOW_DOCUMENT_FRAGMENT: Int\n    val SHOW_NOTATION: Int\n } \n \n /** \n * Exposes the
JavaScript [DOMTokenList](https://developer.mozilla.org/en/docs/Web/API/DOMTokenList) to Kotlin \n * \n public
external abstract class DOMTokenList : ItemArrayLike<String> { \n    open var value: String \n    fun contains(token:
String): Boolean \n    fun add(vararg tokens: String) \n    fun remove(vararg tokens: String) \n    fun toggle(token:
String, force: Boolean = definedExternally): Boolean \n    fun replace(token: String, newToken: String) \n    fun
supports(token: String): Boolean \n    override fun item(index: Int):
String? \n } \n \n @kotlin.internal.InlineOnly \n public inline operator fun DOMTokenList.get(index: Int): String? =
asDynamic()[index] \n \n /** \n * Exposes the JavaScript
[DOMPointReadOnly](https://developer.mozilla.org/en/docs/Web/API/DOMPointReadOnly) to Kotlin \n * \n public
external open class DOMPointReadOnly(x: Double, y: Double, z: Double, w: Double) { \n    open val x: Double \n
    open val y: Double \n    open val z: Double \n    open val w: Double \n    fun matrixTransform(matrix:
DOMMatrixReadOnly): DOMPoint \n } \n \n /** \n * Exposes the JavaScript
[DOMPoint](https://developer.mozilla.org/en/docs/Web/API/DOMPoint) to Kotlin \n * \n public external open class
DOMPoint : DOMPointReadOnly { \n    constructor(point: DOMPointInit) \n    constructor(x: Double =
definedExternally, y: Double = definedExternally, z: Double = definedExternally, w: Double = definedExternally) \n
    override var x: Double \n    override var y: Double \n    override var z: Double \n    override var w:
Double \n } \n \n /** \n * Exposes the JavaScript
[DOMPointInit](https://developer.mozilla.org/en/docs/Web/API/DOMPointInit) to Kotlin \n * \n public external
interface DOMPointInit { \n    var x: Double? /* = 0.0 */ \n    get() = definedExternally \n    set(value) =
definedExternally \n    var y: Double? /* = 0.0 */ \n    get() = definedExternally \n    set(value) =
definedExternally \n    var z: Double? /* = 0.0 */ \n    get() = definedExternally \n    set(value) =
definedExternally \n    var w: Double? /* = 1.0 */ \n    get() = definedExternally \n    set(value) =
definedExternally \n } \n \n @kotlin.internal.InlineOnly \n public inline fun DOMPointInit(x: Double? = 0.0, y: Double?
= 0.0, z: Double? = 0.0, w: Double? = 1.0): DOMPointInit { \n    val o = js("{}") \n    o["x"] = x \n    o["y"] = y \n
    o["z"] = z \n    o["w"] = w \n    return o \n } \n \n /** \n * Exposes the JavaScript
[DOMRect](https://developer.mozilla.org/en/docs/Web/API/DOMRect) to Kotlin \n * \n public external open class
DOMRect(x: Double = definedExternally, y: Double = definedExternally, width: Double = definedExternally,
height: Double = definedExternally) : DOMRectReadOnly { \n    override var x: Double \n    override var y: Double \n
    override var width: Double \n    override var height: Double \n } \n \n /** \n * Exposes the JavaScript
[DOMRectReadOnly](https://developer.mozilla.org/en/docs/Web/API/DOMRectReadOnly) to Kotlin \n * \n public
external open class DOMRectReadOnly(x: Double, y: Double, width: Double, height: Double) { \n    open val x:
Double \n    open val y: Double \n    open val width: Double \n    open val height: Double \n    open val top: Double \n
    open val right: Double \n    open val bottom: Double \n    open val left: Double \n } \n \n public external interface
DOMRectInit { \n    var x: Double? /* = 0.0 */ \n    get() = definedExternally \n    set(value) =
definedExternally \n    var y: Double? /* = 0.0 */ \n    get() = definedExternally \n    set(value) =
definedExternally \n    var width: Double? /* = 0.0 */ \n    get() = definedExternally \n    set(value) =
definedExternally \n    var height: Double? /* = 0.0 */ \n    get() = definedExternally \n    set(value) =
definedExternally \n } \n \n @kotlin.internal.InlineOnly \n public inline fun DOMRectInit(x: Double? = 0.0, y: Double?
= 0.0, width: Double? = 0.0, height: Double? = 0.0): DOMRectInit { \n    val o = js("{}") \n    o["x"] = x \n
    o["y"] = y \n    o["width"] = width \n    o["height"] = height \n    return o \n } \n \n public external interface
DOMRectList : ItemArrayLike<DOMRect> { \n    override fun item(index: Int):
DOMRect? \n } \n \n @kotlin.internal.InlineOnly \n public inline operator fun DOMRectList.get(index: Int): DOMRect?
= asDynamic()[index] \n \n /** \n * Exposes the JavaScript

```


[DOMQuad](https://developer.mozilla.org/en/docs/Web/API/DOMQuad) to Kotlin\n *\\npublic external open class DOMQuad {\n constructor(p1: DOMPointInit = definedExternally, p2: DOMPointInit = definedExternally, p3: DOMPointInit = definedExternally, p4: DOMPointInit = definedExternally)\n constructor(rect: DOMRectInit)\n open val p1: DOMPoint\n open val p2: DOMPoint\n open val p3: DOMPoint\n open val p4: DOMPoint\n open val bounds: DOMRectReadOnly\n}\n\n/**\n * Exposes the JavaScript

[DOMMatrixReadOnly](https://developer.mozilla.org/en/docs/Web/API/DOMMatrixReadOnly) to Kotlin\n *\\npublic external open class DOMMatrixReadOnly(numberSequence: Array<Double>) {\n open val a: Double\n open val b: Double\n open val c: Double\n open val d: Double\n open val e: Double\n open val f: Double\n open val m11: Double\n open val m12: Double\n open val m13: Double\n open val m14: Double\n open val m21: Double\n open val m22: Double\n open val m23: Double\n open val m24: Double\n open val m31: Double\n open val m32: Double\n open val m33: Double\n open val m34: Double\n open val m41: Double\n open val m42: Double\n open val m43: Double\n open val m44: Double\n open val is2D: Boolean\n open val isIdentity: Boolean\n fun translate(tx: Double, ty: Double, tz: Double = definedExternally): DOMMatrix\n fun scale(scale: Double, originX: Double = definedExternally, originY: Double = definedExternally): DOMMatrix\n fun scale3d(scale: Double, originX: Double = definedExternally, originY: Double = definedExternally, originZ: Double = definedExternally): DOMMatrix\n fun scaleNonUniform(scaleX: Double, scaleY: Double = definedExternally, scaleZ: Double = definedExternally, originX: Double = definedExternally, originY: Double = definedExternally, originZ: Double = definedExternally): DOMMatrix\n fun rotate(angle: Double, originX: Double = definedExternally, originY: Double = definedExternally): DOMMatrix\n fun rotateFromVector(x: Double, y: Double): DOMMatrix\n fun rotateAxisAngle(x: Double, y: Double, z: Double, angle: Double): DOMMatrix\n fun skewX(sx: Double): DOMMatrix\n fun skewY(sy: Double): DOMMatrix\n fun multiply(other: DOMMatrix): DOMMatrix\n fun flipX(): DOMMatrix\n fun flipY(): DOMMatrix\n fun inverse(): DOMMatrix\n fun transformPoint(point: DOMPointInit = definedExternally): DOMPoint\n fun toFloat32Array(): Float32Array\n fun toFloat64Array(): Float64Array\n}\n\n/**\n * Exposes the JavaScript

[DOMMatrix](https://developer.mozilla.org/en/docs/Web/API/DOMMatrix) to Kotlin\n *\\npublic external open class DOMMatrix() : DOMMatrixReadOnly {\n constructor(transformList: String)\n constructor(other: DOMMatrixReadOnly)\n constructor(array32: Float32Array)\n constructor(array64: Float64Array)\n constructor(numberSequence: Array<Double>)\n override var a: Double\n override var b: Double\n override var c: Double\n override var d: Double\n override var e: Double\n override var f: Double\n override var m11: Double\n override var m12: Double\n override var m13: Double\n override var m14: Double\n override var m21: Double\n override var m22: Double\n override var m23: Double\n override var m24: Double\n override var m31: Double\n override var m32: Double\n override var m33: Double\n override var m34: Double\n override var m41: Double\n override var m42: Double\n override var m43: Double\n override var m44: Double\n fun multiplySelf(other: DOMMatrix): DOMMatrix\n fun preMultiplySelf(other: DOMMatrix): DOMMatrix\n fun translateSelf(tx: Double, ty: Double, tz: Double = definedExternally): DOMMatrix\n fun scaleSelf(scale: Double, originX: Double = definedExternally, originY: Double = definedExternally): DOMMatrix\n fun scale3dSelf(scale: Double, originX: Double = definedExternally, originY: Double = definedExternally, originZ: Double = definedExternally): DOMMatrix\n fun scaleNonUniformSelf(scaleX: Double, scaleY: Double = definedExternally, scaleZ: Double = definedExternally, originX: Double = definedExternally, originY: Double = definedExternally, originZ: Double = definedExternally): DOMMatrix\n fun rotateSelf(angle: Double, originX: Double = definedExternally, originY: Double = definedExternally): DOMMatrix\n fun rotateFromVectorSelf(x: Double, y: Double): DOMMatrix\n fun rotateAxisAngleSelf(x: Double, y: Double, z: Double, angle: Double): DOMMatrix\n fun skewXSelf(sx: Double): DOMMatrix\n fun skewYSelf(sy: Double): DOMMatrix\n fun invertSelf(): DOMMatrix\n fun setMatrixValue(transformList: String): DOMMatrix\n}\n\npublic external interface ScrollOptions {\n var behavior: ScrollBehavior? /* = ScrollBehavior.AUTO */\n get() = definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ScrollOptions(behavior: ScrollBehavior? = ScrollBehavior.AUTO): ScrollOptions {\n val o = js("{}")\n o["behavior"] = behavior\n return o\n}\n\n/**\n * Exposes the JavaScript

```

[ScrollToOptions](https://developer.mozilla.org/en/docs/Web/API/ScrollToOptions) to Kotlin\n */\npublic external
interface ScrollToOptions : ScrollOptions {\n    var left: Double?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var top: Double?\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ScrollToOptions(left: Double? = undefined,
top: Double? = undefined, behavior: ScrollBehavior? = ScrollBehavior.AUTO): ScrollToOptions {\n    val o =
js("{}")\n    o["left"] = left\n    o["top"] = top\n    o["behavior"] = behavior\n    return o\n}\n\n/**\n * Exposes the JavaScript [MediaQueryList](https://developer.mozilla.org/en/docs/Web/API/MediaQueryList) to
Kotlin\n */\npublic external abstract class MediaQueryList : EventTarget {\n    open val media: String\n    open val
matches: Boolean\n    open var onchange: ((Event) -> dynamic)?\n    fun addListener(listener: EventListener?)\n
fun addListener(listener: ((Event) -> Unit)?)\n    fun removeListener(listener: EventListener?)\n    fun
removeListener(listener: ((Event) -> Unit)?)\n}\n\n/**\n * Exposes the JavaScript
[MediaQueryListEvent](https://developer.mozilla.org/en/docs/Web/API/MediaQueryListEvent) to Kotlin\n
*/\npublic external open class MediaQueryListEvent(type: String, eventInitDict: MediaQueryListEventInit =
definedExternally) : Event {\n    open val media: String\n    open val matches: Boolean\n\n    companion object {\n
        val NONE: Short\n        val CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val
        BUBBLING_PHASE: Short\n    }\n\n    public external interface MediaQueryListEventInit : EventInit {\n    var
media: String? /* = "" */\n    get() = definedExternally\n    set(value) = definedExternally\n    var matches:
Boolean? /* = false */\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n    @kotlin.internal.InlineOnly\n    public inline fun MediaQueryListEventInit(media: String? =
"", matches: Boolean? = false, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): MediaQueryListEventInit {\n        val o = js("{}")\n        o["media"] = media\n        o["matches"] = matches\n
        o["bubbles"] = bubbles\n        o["cancelable"] = cancelable\n        o["composed"] = composed\n        return
o\n    }\n\n    /**\n     * Exposes the JavaScript [Screen](https://developer.mozilla.org/en/docs/Web/API/Screen) to Kotlin\n
*/\n    public external abstract class Screen {\n        open val availWidth: Int\n        open val availHeight: Int\n
        open val width: Int\n        open val height: Int\n        open val colorDepth: Int\n        open val pixelDepth: Int\n    }\n\n    /**\n     * Exposes
the JavaScript [CaretPosition](https://developer.mozilla.org/en/docs/Web/API/CaretPosition) to Kotlin\n */\n    public
external abstract class CaretPosition {\n        open val offsetNode: Node\n        open val offset: Int\n        fun
getClientRect(): DOMRect?\n    }\n\n    public external interface ScrollIntoViewOptions : ScrollOptions {\n        var
block: ScrollLogicalPosition? /* = ScrollLogicalPosition.CENTER */\n        get() = definedExternally\n        set(value) =
definedExternally\n        var inline: ScrollLogicalPosition? /* = ScrollLogicalPosition.CENTER */\n        get() =
definedExternally\n        set(value) = definedExternally\n    }\n\n    @kotlin.internal.InlineOnly\n    public inline fun
ScrollIntoViewOptions(block: ScrollLogicalPosition? = ScrollLogicalPosition.CENTER, inline:
ScrollLogicalPosition? = ScrollLogicalPosition.CENTER, behavior: ScrollBehavior? = ScrollBehavior.AUTO):
ScrollIntoViewOptions {\n        val o = js("{}")\n        o["block"] = block\n        o["inline"] = inline\n        o["behavior"]
= behavior\n        return o\n    }\n\n    public external interface BoxQuadOptions {\n        var box: CSSBoxType? /* =
CSSBoxType.BORDER */\n        get() = definedExternally\n        set(value) = definedExternally\n        var relativeTo:
dynamic\n        get() = definedExternally\n        set(value) =
definedExternally\n    }\n\n    @kotlin.internal.InlineOnly\n    public inline fun BoxQuadOptions(box: CSSBoxType? =
CSSBoxType.BORDER, relativeTo: dynamic = undefined): BoxQuadOptions {\n        val o = js("{}")\n        o["box"] =
box\n        o["relativeTo"] = relativeTo\n        return o\n    }\n\n    public external interface
ConvertCoordinateOptions {\n        var fromBox: CSSBoxType? /* = CSSBoxType.BORDER */\n        get() =
definedExternally\n        set(value) = definedExternally\n        var toBox: CSSBoxType? /* = CSSBoxType.BORDER
*/\n        get() = definedExternally\n        set(value) = definedExternally\n    }\n\n    @kotlin.internal.InlineOnly\n
    public inline fun ConvertCoordinateOptions(fromBox: CSSBoxType? = CSSBoxType.BORDER, toBox: CSSBoxType? =
CSSBoxType.BORDER): ConvertCoordinateOptions {\n        val o = js("{}")\n        o["fromBox"] = fromBox\n        o["toBox"]
= toBox\n        return o\n    }\n\n    /**\n     * Exposes the JavaScript
[GeometryUtils](https://developer.mozilla.org/en/docs/Web/API/GeometryUtils) to Kotlin\n */\n    public external
interface GeometryUtils {\n        fun getBoxQuads(options: BoxQuadOptions = definedExternally):

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Array<DOMQuad>\n fun convertQuadFromNode(quad: dynamic, from: dynamic, options:
ConvertCoordinateOptions = definedExternally): DOMQuad\n fun convertRectFromNode(rect:
DOMRectReadOnly, from: dynamic, options: ConvertCoordinateOptions = definedExternally): DOMQuad\n fun
convertPointFromNode(point: DOMPointInit, from: dynamic, options: ConvertCoordinateOptions =
definedExternally): DOMPoint\n}\n\n/**\n * Exposes the JavaScript
[Image](https://developer.mozilla.org/en/docs/Web/API/Image) to Kotlin\n */\npublic external open class
Image(width: Int = definedExternally, height: Int = definedExternally) : HTMLElement {\n override var
onabort: ((Event) -> dynamic)?\n override var onblur: ((FocusEvent) -> dynamic)?\n override var onCancel:
((Event) -> dynamic)?\n override var oncanplay: ((Event) -> dynamic)?\n override var oncanplaythrough:
((Event) -> dynamic)?\n override var onChange: ((Event) -> dynamic)?\n override var onclick: ((MouseEvent) ->
dynamic)?\n override var onclose: ((Event) -> dynamic)?\n override var oncontextmenu: ((MouseEvent) ->
dynamic)?\n override var oncuechange: ((Event) -> dynamic)?\n override var ondblclick: ((MouseEvent) ->
dynamic)?\n override var ondrag: ((DragEvent) -> dynamic)?\n override var ondragend: ((DragEvent) ->
dynamic)?\n override var ondragenter: ((DragEvent) -> dynamic)?\n override var ondragexit: ((DragEvent) ->
dynamic)?\n override var ondragleave: ((DragEvent) -> dynamic)?\n override var ondragover: ((DragEvent) ->
dynamic)?\n override var ondragstart: ((DragEvent) -> dynamic)?\n override var ondrop: ((DragEvent) ->
dynamic)?\n override var ondurationchange: ((Event) -> dynamic)?\n override var onemptied: ((Event) ->
dynamic)?\n override var onended: ((Event) -> dynamic)?\n override var onerror: ((dynamic, String, Int, Int,
Any?) -> dynamic)?\n override var onfocus: ((FocusEvent) -> dynamic)?\n override var oninput: ((InputEvent) ->
dynamic)?\n override var oninvalid: ((Event) -> dynamic)?\n override var onkeydown: ((KeyboardEvent) ->
dynamic)?\n override var onkeypress: ((KeyboardEvent) -> dynamic)?\n override var onkeyup:
((KeyboardEvent) -> dynamic)?\n override var onload: ((Event) -> dynamic)?\n override var onloadeddata:
((Event) -> dynamic)?\n override var onloadedmetadata: ((Event) -> dynamic)?\n override var onloadend:
((Event) -> dynamic)?\n override var onloadstart: ((ProgressEvent) -> dynamic)?\n override var onmousedown:
((MouseEvent) -> dynamic)?\n override var onmouseenter: ((MouseEvent) -> dynamic)?\n override var
onmouseleave: ((MouseEvent) -> dynamic)?\n override var onmousemove: ((MouseEvent) -> dynamic)?\n
override var onmouseout: ((MouseEvent) -> dynamic)?\n override var onmouseover: ((MouseEvent) ->
dynamic)?\n override var onmouseup: ((MouseEvent) -> dynamic)?\n override var onwheel: ((WheelEvent) ->
dynamic)?\n override var onpause: ((Event) -> dynamic)?\n override var onplay: ((Event) -> dynamic)?\n
override var onplaying: ((Event) -> dynamic)?\n override var onprogress: ((ProgressEvent) -> dynamic)?\n
override var onratechange: ((Event) -> dynamic)?\n override var onreset: ((Event) -> dynamic)?\n override var
onresize: ((Event) -> dynamic)?\n override var onscroll: ((Event) -> dynamic)?\n override var onseeked:
((Event) -> dynamic)?\n override var onseeking: ((Event) -> dynamic)?\n override var onselect: ((Event) ->
dynamic)?\n override var onshow: ((Event) -> dynamic)?\n override var onstalled: ((Event) -> dynamic)?\n
override var onsubmit: ((Event) -> dynamic)?\n override var onsuspend: ((Event) -> dynamic)?\n override var
ontimeupdate: ((Event) -> dynamic)?\n override var ontoggle: ((Event) -> dynamic)?\n override var
onvolumechange: ((Event) -> dynamic)?\n override var onwaiting: ((Event) -> dynamic)?\n override var
ongotpointercapture: ((PointerEvent) -> dynamic)?\n override var onlostpointercapture: ((PointerEvent) ->
dynamic)?\n override var onpointerdown: ((PointerEvent) -> dynamic)?\n override var onpointermove:
((PointerEvent) -> dynamic)?\n override var onpointerup: ((PointerEvent) -> dynamic)?\n override var
onpointercancel: ((PointerEvent) -> dynamic)?\n override var onpointerover: ((PointerEvent) -> dynamic)?\n
override var onpointerout: ((PointerEvent) -> dynamic)?\n override var onpointerenter: ((PointerEvent) ->
dynamic)?\n override var onpointerleave: ((PointerEvent) -> dynamic)?\n override var oncopy:
((ClipboardEvent) -> dynamic)?\n override var oncut: ((ClipboardEvent) -> dynamic)?\n override var onpaste:
((ClipboardEvent) -> dynamic)?\n override var contentEditable: String\n override val isContentEditable:
Boolean\n override val style: CSSStyleDeclaration\n override val children: HTMLCollection\n override val
firstElementChild: Element?\n override val lastElementChild: Element?\n override val childElementCount: Int\n
override val previousElementSibling: Element?\n override val nextElementSibling: Element?\n override val

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assignedSlot: HTMLSlotElement? \n  override fun prepend(vararg nodes: dynamic)\n  override fun append(vararg
nodes: dynamic)\n  override fun querySelector(selectors: String): Element?\n  override fun
querySelectorAll(selectors: String): NodeList\n  override fun before(vararg nodes: dynamic)\n  override fun
after(vararg nodes: dynamic)\n  override fun replaceWith(vararg nodes: dynamic)\n  override fun remove()\n
override fun getBoxQuads(options: BoxQuadOptions /* = definedExternally */): Array<DOMQuad>\n  override
fun convertQuadFromNode(quad: dynamic, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMQuad\n  override fun convertRectFromNode(rect: DOMRectReadOnly, from:
dynamic, options: ConvertCoordinateOptions /* = definedExternally */): DOMQuad\n  override fun
convertPointFromNode(point: DOMPointInit, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMPoint\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n\n  public external open class
Audio(src: String = definedExternally) : HTMLAudioElement {\n  override var onabort: ((Event) -> dynamic)?\n
override var onblur: ((FocusEvent) -> dynamic)?\n  override var oncancel: ((Event) -> dynamic)?\n  override var
oncanplay: ((Event) -> dynamic)?\n  override var oncanplaythrough: ((Event) -> dynamic)?\n  override var
onchange: ((Event) -> dynamic)?\n  override var onclick: ((MouseEvent) -> dynamic)?\n  override var onclose:
((Event) -> dynamic)?\n  override var oncontextmenu: ((MouseEvent) -> dynamic)?\n  override var oncuechange:
((Event) -> dynamic)?\n  override var ondblclick: ((MouseEvent) -> dynamic)?\n  override var ondrag:
((DragEvent) -> dynamic)?\n  override var ondragend: ((DragEvent) -> dynamic)?\n  override var ondragenter:
((DragEvent) -> dynamic)?\n  override var ondragexit: ((DragEvent) -> dynamic)?\n  override var ondragleave:
((DragEvent) -> dynamic)?\n  override var ondragover: ((DragEvent) -> dynamic)?\n  override var ondragstart:
((DragEvent) -> dynamic)?\n  override var ondrop: ((DragEvent) -> dynamic)?\n  override var ondurationchange:
((Event) -> dynamic)?\n  override var onemptied: ((Event) -> dynamic)?\n  override var onended: ((Event) ->
dynamic)?\n  override var onerror: ((dynamic, String, Int, Int, Any?) -> dynamic)?\n  override var onfocus:
((FocusEvent) -> dynamic)?\n  override var oninput: ((InputEvent) -> dynamic)?\n  override var oninvalid:
((Event) -> dynamic)?\n  override var onkeydown: ((KeyboardEvent) -> dynamic)?\n  override var onkeypress:
((KeyboardEvent) -> dynamic)?\n  override var onkeyup: ((KeyboardEvent) -> dynamic)?\n  override var onload:
((Event) -> dynamic)?\n  override var onloadeddata: ((Event) -> dynamic)?\n  override var onloadedmetadata:
((Event) -> dynamic)?\n  override var onloadend: ((Event) -> dynamic)?\n  override var onloadstart:
((ProgressEvent) -> dynamic)?\n  override var onmousedown: ((MouseEvent) -> dynamic)?\n  override var
onmouseenter: ((MouseEvent) -> dynamic)?\n  override var onmouseleave: ((MouseEvent) -> dynamic)?\n
override var onmousemove: ((MouseEvent) -> dynamic)?\n  override var onmouseout: ((MouseEvent) ->
dynamic)?\n  override var onmouseover: ((MouseEvent) -> dynamic)?\n  override var onmouseup: ((MouseEvent)
-> dynamic)?\n  override var onwheel: ((WheelEvent) -> dynamic)?\n  override var onpause: ((Event) ->
dynamic)?\n  override var onplay: ((Event) -> dynamic)?\n  override var onplaying: ((Event) -> dynamic)?\n
override var onprogress: ((ProgressEvent) -> dynamic)?\n  override var onratechange: ((Event) -> dynamic)?\n
override var onreset: ((Event) -> dynamic)?\n  override var onresize: ((Event) -> dynamic)?\n  override var
onscroll: ((Event) -> dynamic)?\n  override var onseeked: ((Event) -> dynamic)?\n  override var onseeking:
((Event) -> dynamic)?\n  override var onselect: ((Event) -> dynamic)?\n  override var onshow: ((Event) ->
dynamic)?\n  override var onstalled: ((Event) -> dynamic)?\n  override var onsubmit: ((Event) -> dynamic)?\n
override var onsuspend: ((Event) -> dynamic)?\n  override var ontimeupdate: ((Event) -> dynamic)?\n  override

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var ontoggle: ((Event) -> dynamic)?\n  override var onvolumechange: ((Event) -> dynamic)?\n  override var
onwaiting: ((Event) -> dynamic)?\n  override var ongotpointercapture: ((PointerEvent) -> dynamic)?\n  override
var onlostpointercapture: ((PointerEvent) -> dynamic)?\n  override var onpointerdown: ((PointerEvent) ->
dynamic)?\n  override var onpointermove: ((PointerEvent) -> dynamic)?\n  override var onpointerup:
((PointerEvent) -> dynamic)?\n  override var onpointercancel: ((PointerEvent) -> dynamic)?\n  override var
onpointerover: ((PointerEvent) -> dynamic)?\n  override var onpointerout: ((PointerEvent) -> dynamic)?\n
override var onpointerenter: ((PointerEvent) -> dynamic)?\n  override var onpointerleave: ((PointerEvent) ->
dynamic)?\n  override var oncopy: ((ClipboardEvent) -> dynamic)?\n  override var oncut: ((ClipboardEvent) ->
dynamic)?\n  override var onpaste: ((ClipboardEvent) -> dynamic)?\n  override var contentEditable: String\n
override val isContentEditable: Boolean\n  override val style: CSSStyleDeclaration\n  override val children:
HTMLCollection\n  override val firstElementChild: Element?\n  override val lastElementChild: Element?\n
override val childElementCount: Int\n  override val previousElementSibling: Element?\n  override val
nextElementSibling: Element?\n  override val assignedSlot: HTMLSlotElement?\n  override fun prepend(vararg
nodes: dynamic)\n  override fun append(vararg nodes: dynamic)\n  override fun querySelector(selectors: String):
Element?\n  override fun querySelectorAll(selectors: String): NodeList\n  override fun before(vararg nodes:
dynamic)\n  override fun after(vararg nodes: dynamic)\n  override fun replaceWith(vararg nodes: dynamic)\n
override fun remove()\n  override fun getBoxQuads(options: BoxQuadOptions /* = definedExternally */):
Array<DOMQuad>\n  override fun convertQuadFromNode(quad: dynamic, from: dynamic, options:
ConvertCoordinateOptions /* = definedExternally */): DOMQuad\n  override fun convertRectFromNode(rect:
DOMRectReadOnly, from: dynamic, options: ConvertCoordinateOptions /* = definedExternally */): DOMQuad\n
override fun convertPointFromNode(point: DOMPointInit, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMPoint\n\n  companion object {\n    val NETWORK_EMPTY: Short\n    val
NETWORK_IDLE: Short\n    val NETWORK_LOADING: Short\n    val NETWORK_NO_SOURCE: Short\n
    val HAVE_NOTHING: Short\n    val HAVE_METADATA: Short\n    val HAVE_CURRENT_DATA:
Short\n    val HAVE_FUTURE_DATA: Short\n    val HAVE_ENOUGH_DATA: Short\n    val
ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[Option](https://developer.mozilla.org/en/docs/Web/API/Option) to Kotlin\n */\n\npublic external open class
Option(text: String = definedExternally, value: String = definedExternally, defaultSelected: Boolean =
definedExternally, selected: Boolean = definedExternally) : HTMLOptionElement {\n  override var onabort:
((Event) -> dynamic)?\n  override var onblur: ((FocusEvent) -> dynamic)?\n  override var oncancel: ((Event) ->
dynamic)?\n  override var oncanplay: ((Event) -> dynamic)?\n  override var oncanplaythrough: ((Event) ->
dynamic)?\n  override var onchange: ((Event) -> dynamic)?\n  override var onclick: ((MouseEvent) ->
dynamic)?\n  override var onclose: ((Event) -> dynamic)?\n  override var oncontextmenu: ((MouseEvent) ->
dynamic)?\n  override var oncuechange: ((Event) -> dynamic)?\n  override var ondblclick: ((MouseEvent) ->
dynamic)?\n  override var ondrag: ((DragEvent) -> dynamic)?\n  override var ondragend: ((DragEvent) ->
dynamic)?\n  override var ondragenter: ((DragEvent) -> dynamic)?\n  override var ondragexit: ((DragEvent) ->
dynamic)?\n  override var ondragleave: ((DragEvent) -> dynamic)?\n  override var ondragover: ((DragEvent) ->
dynamic)?\n  override var ondragstart: ((DragEvent) -> dynamic)?\n  override var ondrop: ((DragEvent) ->
dynamic)?\n  override var ondurationchange: ((Event) -> dynamic)?\n  override var onemptied: ((Event) ->
dynamic)?\n  override var onended: ((Event) -> dynamic)?\n  override var onerror: ((dynamic, String, Int, Int,

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Any?) -> dynamic)?\n  override var onfocus: ((FocusEvent) -> dynamic)?\n  override var oninput: ((InputEvent) ->
dynamic)?\n  override var oninvalid: ((Event) -> dynamic)?\n  override var onkeydown: ((KeyboardEvent) ->
dynamic)?\n  override var onkeypress: ((KeyboardEvent) -> dynamic)?\n  override var onkeyup:
((KeyboardEvent) -> dynamic)?\n  override var onload: ((Event) -> dynamic)?\n  override var onloadeddata:
((Event) -> dynamic)?\n  override var onloadedmetadata: ((Event) -> dynamic)?\n  override var onloadend:
((Event) -> dynamic)?\n  override var onloadstart: ((ProgressEvent) -> dynamic)?\n  override var onmousedown:
((MouseEvent) -> dynamic)?\n  override var onmouseenter: ((MouseEvent) -> dynamic)?\n  override var
onmouseleave: ((MouseEvent) -> dynamic)?\n  override var onmousemove: ((MouseEvent) -> dynamic)?\n
override var onmouseout: ((MouseEvent) -> dynamic)?\n  override var onmouseover: ((MouseEvent) ->
dynamic)?\n  override var onmouseup: ((MouseEvent) -> dynamic)?\n  override var onwheel: ((WheelEvent) ->
dynamic)?\n  override var onpause: ((Event) -> dynamic)?\n  override var onplay: ((Event) -> dynamic)?\n
override var onplaying: ((Event) -> dynamic)?\n  override var onprogress: ((ProgressEvent) -> dynamic)?\n
override var onratechange: ((Event) -> dynamic)?\n  override var onreset: ((Event) -> dynamic)?\n  override var
onresize: ((Event) -> dynamic)?\n  override var onscroll: ((Event) -> dynamic)?\n  override var onseeked:
((Event) -> dynamic)?\n  override var onseeking: ((Event) -> dynamic)?\n  override var onselect: ((Event) ->
dynamic)?\n  override var onshow: ((Event) -> dynamic)?\n  override var onstalled: ((Event) -> dynamic)?\n
override var onsubmit: ((Event) -> dynamic)?\n  override var onsuspend: ((Event) -> dynamic)?\n  override var
ontimeupdate: ((Event) -> dynamic)?\n  override var ontoggle: ((Event) -> dynamic)?\n  override var
onvolumechange: ((Event) -> dynamic)?\n  override var onwaiting: ((Event) -> dynamic)?\n  override var
ongotpointercapture: ((PointerEvent) -> dynamic)?\n  override var onlostpointercapture: ((PointerEvent) ->
dynamic)?\n  override var onpointerdown: ((PointerEvent) -> dynamic)?\n  override var onpointermove:
((PointerEvent) -> dynamic)?\n  override var onpointerup: ((PointerEvent) -> dynamic)?\n  override var
onpointercancel: ((PointerEvent) -> dynamic)?\n  override var onpointerover: ((PointerEvent) -> dynamic)?\n
override var onpointerout: ((PointerEvent) -> dynamic)?\n  override var onpointerenter: ((PointerEvent) ->
dynamic)?\n  override var onpointerleave: ((PointerEvent) -> dynamic)?\n  override var oncopy:
((ClipboardEvent) -> dynamic)?\n  override var oncut: ((ClipboardEvent) -> dynamic)?\n  override var onpaste:
((ClipboardEvent) -> dynamic)?\n  override var contentEditable: String\n  override val isContentEditable:
Boolean\n  override val style: CSSStyleDeclaration\n  override val children: HTMLCollection\n  override val
firstElementChild: Element?\n  override val lastElementChild: Element?\n  override val childElementCount: Int\n
  override val previousElementSibling: Element?\n  override val nextElementSibling: Element?\n  override val
assignedSlot: HTMLSlotElement?\n  override fun prepend(vararg nodes: dynamic)\n  override fun append(vararg
nodes: dynamic)\n  override fun querySelector(selectors: String): Element?\n  override fun
querySelectorAll(selectors: String): NodeList\n  override fun before(vararg nodes: dynamic)\n  override fun
after(vararg nodes: dynamic)\n  override fun replaceWith(vararg nodes: dynamic)\n  override fun remove()\n
  override fun getBoxQuads(options: BoxQuadOptions /* = definedExternally */): Array<DOMQuad>\n  override
fun convertQuadFromNode(quad: dynamic, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMQuad\n  override fun convertRectFromNode(rect: DOMRectReadOnly, from:
dynamic, options: ConvertCoordinateOptions /* = definedExternally */): DOMQuad\n  override fun
convertPointFromNode(point: DOMPointInit, from: dynamic, options: ConvertCoordinateOptions /* =
definedExternally */): DOMPoint\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val

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DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n } \n\npublic external interface
UnionElementOrHTMLCollection\n\npublic external interface UnionElementOrRadioNodeList\n\npublic external
interface UnionHTMLOptGroupElementOrHTMLOptionElement\n\npublic external interface
UnionAudioTrackOrTextTrackOrVideoTrack\n\npublic external interface UnionElementOrMouseEvent\n\npublic
external interface RenderingContext\n\npublic external interface HTMLOrSVGImageElement :
CanvasImageSource\n\npublic external interface CanvasImageSource : ImageBitmapSource\n\npublic external
interface ImageBitmapSource\n\npublic external interface UnionMessagePortOrWindowProxy\n\npublic external
interface HTMLOrSVGScriptElement\n\n/* please, don't implement this interface!
*\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface
DocumentReadyState { \n companion object\n}\n\npublic inline val DocumentReadyState.Companion.LOADING:
DocumentReadyState get() = "loading".asDynamic().unsafeCast<DocumentReadyState>()\n\npublic inline val
DocumentReadyState.Companion.INTERACTIVE: DocumentReadyState get() =
"interactive".asDynamic().unsafeCast<DocumentReadyState>()\n\npublic inline val
DocumentReadyState.Companion.COMPLETE: DocumentReadyState get() =
"complete".asDynamic().unsafeCast<DocumentReadyState>()\n\n/* please, don't implement this interface!
*\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface
CanPlayTypeResult { \n companion object\n}\n\npublic inline val CanPlayTypeResult.Companion.EMPTY:
CanPlayTypeResult get() = "".asDynamic().unsafeCast<CanPlayTypeResult>()\n\npublic inline val
CanPlayTypeResult.Companion.MAYBE: CanPlayTypeResult get() =
"maybe".asDynamic().unsafeCast<CanPlayTypeResult>()\n\npublic inline val
CanPlayTypeResult.Companion.PROBABLY: CanPlayTypeResult get() =
"probably".asDynamic().unsafeCast<CanPlayTypeResult>()\n\n/* please, don't implement this interface!
*\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface TextTrackMode
{ \n companion object\n}\n\npublic inline val TextTrackMode.Companion.DISABLED: TextTrackMode get() =
"disabled".asDynamic().unsafeCast<TextTrackMode>()\n\npublic inline val
TextTrackMode.Companion.HIDDEN: TextTrackMode get() =
"hidden".asDynamic().unsafeCast<TextTrackMode>()\n\npublic inline val
TextTrackMode.Companion.SHOWING: TextTrackMode get() =
"showing".asDynamic().unsafeCast<TextTrackMode>()\n\n/* please, don't implement this interface!
*\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface TextTrackKind
{ \n companion object\n}\n\npublic inline val TextTrackKind.Companion.SUBTITLES: TextTrackKind get() =
"subtitles".asDynamic().unsafeCast<TextTrackKind>()\n\npublic inline val
TextTrackKind.Companion.CAPTIONS: TextTrackKind get() =
"captions".asDynamic().unsafeCast<TextTrackKind>()\n\npublic inline val
TextTrackKind.Companion.DESCRPTIONS: TextTrackKind get() =
"descriptions".asDynamic().unsafeCast<TextTrackKind>()\n\npublic inline val
TextTrackKind.Companion.CHAPTERS: TextTrackKind get() =
"chapters".asDynamic().unsafeCast<TextTrackKind>()\n\npublic inline val
TextTrackKind.Companion.METADATA: TextTrackKind get() =
"metadata".asDynamic().unsafeCast<TextTrackKind>()\n\n/* please, don't implement this interface!
*\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface SelectionMode
{ \n companion object\n}\n\npublic inline val SelectionMode.Companion.SELECT: SelectionMode get() =
"select".asDynamic().unsafeCast<SelectionMode>()\n\npublic inline val SelectionMode.Companion.START:
SelectionMode get() = "start".asDynamic().unsafeCast<SelectionMode>()\n\npublic inline val
SelectionMode.Companion.END: SelectionMode get() =
"end".asDynamic().unsafeCast<SelectionMode>()\n\npublic inline val SelectionMode.Companion.PRESERVE:
SelectionMode get() = "preserve".asDynamic().unsafeCast<SelectionMode>()\n\n/* please, don't implement this
interface! *\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface

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CanvasFillRule {\n  companion object\n}\n\npublic inline val CanvasFillRule.Companion.NONZERO:
CanvasFillRule get() = \"nonzero\".asDynamic().unsafeCast<CanvasFillRule>()\n\npublic inline val
CanvasFillRule.Companion.EVENODD: CanvasFillRule get() =
\"evenodd\".asDynamic().unsafeCast<CanvasFillRule>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external interface
ImageSmoothingQuality {\n  companion object\n}\n\npublic inline val ImageSmoothingQuality.Companion.LOW:
ImageSmoothingQuality get() = \"low\".asDynamic().unsafeCast<ImageSmoothingQuality>()\n\npublic inline val
ImageSmoothingQuality.Companion.MEDIUM: ImageSmoothingQuality get() =
\"medium\".asDynamic().unsafeCast<ImageSmoothingQuality>()\n\npublic inline val
ImageSmoothingQuality.Companion.HIGH: ImageSmoothingQuality get() =
\"high\".asDynamic().unsafeCast<ImageSmoothingQuality>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external interface CanvasLineCap
{\n  companion object\n}\n\npublic inline val CanvasLineCap.Companion.BUTT: CanvasLineCap get() =
\"butt\".asDynamic().unsafeCast<CanvasLineCap>()\n\npublic inline val CanvasLineCap.Companion.ROUND:
CanvasLineCap get() = \"round\".asDynamic().unsafeCast<CanvasLineCap>()\n\npublic inline val
CanvasLineCap.Companion.SQUARE: CanvasLineCap get() =
\"square\".asDynamic().unsafeCast<CanvasLineCap>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external interface CanvasLineJoin
{\n  companion object\n}\n\npublic inline val CanvasLineJoin.Companion.ROUND: CanvasLineJoin get() =
\"round\".asDynamic().unsafeCast<CanvasLineJoin>()\n\npublic inline val CanvasLineJoin.Companion.BEVEL:
CanvasLineJoin get() = \"bevel\".asDynamic().unsafeCast<CanvasLineJoin>()\n\npublic inline val
CanvasLineJoin.Companion.MITER: CanvasLineJoin get() =
\"miter\".asDynamic().unsafeCast<CanvasLineJoin>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external interface CanvasTextAlign
{\n  companion object\n}\n\npublic inline val CanvasTextAlign.Companion.START: CanvasTextAlign get() =
\"start\".asDynamic().unsafeCast<CanvasTextAlign>()\n\npublic inline val CanvasTextAlign.Companion.END:
CanvasTextAlign get() = \"end\".asDynamic().unsafeCast<CanvasTextAlign>()\n\npublic inline val
CanvasTextAlign.Companion.LEFT: CanvasTextAlign get() =
\"left\".asDynamic().unsafeCast<CanvasTextAlign>()\n\npublic inline val CanvasTextAlign.Companion.RIGHT:
CanvasTextAlign get() = \"right\".asDynamic().unsafeCast<CanvasTextAlign>()\n\npublic inline val
CanvasTextAlign.Companion.CENTER: CanvasTextAlign get() =
\"center\".asDynamic().unsafeCast<CanvasTextAlign>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external interface
CanvasTextBaseline {\n  companion object\n}\n\npublic inline val CanvasTextBaseline.Companion.TOP:
CanvasTextBaseline get() = \"top\".asDynamic().unsafeCast<CanvasTextBaseline>()\n\npublic inline val
CanvasTextBaseline.Companion.HANGING: CanvasTextBaseline get() =
\"hanging\".asDynamic().unsafeCast<CanvasTextBaseline>()\n\npublic inline val
CanvasTextBaseline.Companion.MIDDLE: CanvasTextBaseline get() =
\"middle\".asDynamic().unsafeCast<CanvasTextBaseline>()\n\npublic inline val
CanvasTextBaseline.Companion.ALPHABETIC: CanvasTextBaseline get() =
\"alphabetic\".asDynamic().unsafeCast<CanvasTextBaseline>()\n\npublic inline val
CanvasTextBaseline.Companion.IDEOGRAPHIC: CanvasTextBaseline get() =
\"ideographic\".asDynamic().unsafeCast<CanvasTextBaseline>()\n\npublic inline val
CanvasTextBaseline.Companion.BOTTOM: CanvasTextBaseline get() =
\"bottom\".asDynamic().unsafeCast<CanvasTextBaseline>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external interface CanvasDirection
{\n  companion object\n}\n\npublic inline val CanvasDirection.Companion.LTR: CanvasDirection get() =
\"ltr\".asDynamic().unsafeCast<CanvasDirection>()\n\npublic inline val CanvasDirection.Companion.RTL:

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CanvasDirection get() = `rtl`.asDynamic().unsafeCast<CanvasDirection>()\n\npublic inline val
CanvasDirection.Companion.INHERIT: CanvasDirection get() =
`inherit`.asDynamic().unsafeCast<CanvasDirection>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external interface ScrollRestoration
{\n  companion object\n}\n\npublic inline val ScrollRestoration.Companion.AUTO: ScrollRestoration get() =
`auto`.asDynamic().unsafeCast<ScrollRestoration>()\n\npublic inline val
ScrollRestoration.Companion.MANUAL: ScrollRestoration get() =
`manual`.asDynamic().unsafeCast<ScrollRestoration>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external interface ImageOrientation
{\n  companion object\n}\n\npublic inline val ImageOrientation.Companion.NONE: ImageOrientation get() =
`none`.asDynamic().unsafeCast<ImageOrientation>()\n\npublic inline val ImageOrientation.Companion.FLIPY:
ImageOrientation get() = `flipY`.asDynamic().unsafeCast<ImageOrientation>()\n\n/* please, don't implement this
interface! *\n\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external interface
PremultiplyAlpha {\n  companion object\n}\n\npublic inline val PremultiplyAlpha.Companion.NONE:
PremultiplyAlpha get() = `none`.asDynamic().unsafeCast<PremultiplyAlpha>()\n\npublic inline val
PremultiplyAlpha.Companion.PREMULTIPLY: PremultiplyAlpha get() =
`premultiply`.asDynamic().unsafeCast<PremultiplyAlpha>()\n\npublic inline val
PremultiplyAlpha.Companion.DEFAULT: PremultiplyAlpha get() =
`default`.asDynamic().unsafeCast<PremultiplyAlpha>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external interface
ColorSpaceConversion {\n  companion object\n}\n\npublic inline val ColorSpaceConversion.Companion.NONE:
ColorSpaceConversion get() = `none`.asDynamic().unsafeCast<ColorSpaceConversion>()\n\npublic inline val
ColorSpaceConversion.Companion.DEFAULT: ColorSpaceConversion get() =
`default`.asDynamic().unsafeCast<ColorSpaceConversion>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external interface ResizeQuality
{\n  companion object\n}\n\npublic inline val ResizeQuality.Companion.PIXELATED: ResizeQuality get() =
`pixelated`.asDynamic().unsafeCast<ResizeQuality>()\n\npublic inline val ResizeQuality.Companion.LOW:
ResizeQuality get() = `low`.asDynamic().unsafeCast<ResizeQuality>()\n\npublic inline val
ResizeQuality.Companion.MEDIUM: ResizeQuality get() =
`medium`.asDynamic().unsafeCast<ResizeQuality>()\n\npublic inline val ResizeQuality.Companion.HIGH:
ResizeQuality get() = `high`.asDynamic().unsafeCast<ResizeQuality>()\n\n/* please, don't implement this
interface! *\n\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external interface
BinaryType {\n  companion object\n}\n\npublic inline val BinaryType.Companion.BLOB: BinaryType get() =
`blob`.asDynamic().unsafeCast<BinaryType>()\n\npublic inline val BinaryType.Companion.ARRAYBUFFER:
BinaryType get() = `arraybuffer`.asDynamic().unsafeCast<BinaryType>()\n\n/* please, don't implement this
interface! *\n\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external interface
WorkerType {\n  companion object\n}\n\npublic inline val WorkerType.Companion.CLASSIC: WorkerType get()
= `classic`.asDynamic().unsafeCast<WorkerType>()\n\npublic inline val WorkerType.Companion.MODULE:
WorkerType get() = `module`.asDynamic().unsafeCast<WorkerType>()\n\n/* please, don't implement this
interface! *\n\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external interface
ShadowRootMode {\n  companion object\n}\n\npublic inline val ShadowRootMode.Companion.OPEN:
ShadowRootMode get() = `open`.asDynamic().unsafeCast<ShadowRootMode>()\n\npublic inline val
ShadowRootMode.Companion.CLOSED: ShadowRootMode get() =
`closed`.asDynamic().unsafeCast<ShadowRootMode>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(`NESTED_CLASS_IN_EXTERNAL_INTERFACE`)\n\npublic external interface ScrollBehavior
{\n  companion object\n}\n\npublic inline val ScrollBehavior.Companion.AUTO: ScrollBehavior get() =
`auto`.asDynamic().unsafeCast<ScrollBehavior>()\n\npublic inline val ScrollBehavior.Companion.INSTANT:
ScrollBehavior get() = `instant`.asDynamic().unsafeCast<ScrollBehavior>()\n\npublic inline val

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ScrollBehavior.Companion.SMOOTH: ScrollBehavior get() =
    \"smooth\".asDynamic().unsafeCast<ScrollBehavior>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\npublic external interface
ScrollLogicalPosition {\n    companion object\n}\n\npublic inline val ScrollLogicalPosition.Companion.START:
ScrollLogicalPosition get() = \"start\".asDynamic().unsafeCast<ScrollLogicalPosition>()\n\npublic inline val
ScrollLogicalPosition.Companion.CENTER: ScrollLogicalPosition get() =
    \"center\".asDynamic().unsafeCast<ScrollLogicalPosition>()\n\npublic inline val
ScrollLogicalPosition.Companion.END: ScrollLogicalPosition get() =
    \"end\".asDynamic().unsafeCast<ScrollLogicalPosition>()\n\npublic inline val
ScrollLogicalPosition.Companion.NEAREST: ScrollLogicalPosition get() =
    \"nearest\".asDynamic().unsafeCast<ScrollLogicalPosition>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\npublic external interface CSSBoxType {\n
    companion object\n}\n\npublic inline val CSSBoxType.Companion.MARGIN: CSSBoxType get() =
    \"margin\".asDynamic().unsafeCast<CSSBoxType>()\n\npublic inline val CSSBoxType.Companion.BORDER:
CSSBoxType get() = \"border\".asDynamic().unsafeCast<CSSBoxType>()\n\npublic inline val
CSSBoxType.Companion.PADDING: CSSBoxType get() =
    \"padding\".asDynamic().unsafeCast<CSSBoxType>()\n\npublic inline val CSSBoxType.Companion.CONTENT:
CSSBoxType get() = \"content\".asDynamic().unsafeCast<CSSBoxType>()\", \"/*\n\n * Copyright 2010-2019 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n\n * \n\n// NOTE: THIS FILE IS AUTO-GENERATED,
DO NOT EDIT!\n\n// See github.com/kotlin/dukat for details\n\npackage org.w3c.fetch\n\nimport kotlin.js.*\nimport
org.khronos.webgl.*\nimport org.w3c.css.masking.*\nimport org.w3c.dom.*\nimport
org.w3c.dom.clipboard.*\nimport org.w3c.dom.css.*\nimport org.w3c.dom.events.*\nimport
org.w3c.dom.mediacapture.*\nimport org.w3c.dom.parsing.*\nimport org.w3c.dom.pointerevents.*\nimport
org.w3c.dom.svg.*\nimport org.w3c.dom.url.*\nimport org.w3c.files.*\nimport org.w3c.notifications.*\nimport
org.w3c.performance.*\nimport org.w3c.workers.*\nimport org.w3c.xhr.*\n\n/**\n\n * Exposes the JavaScript
[Headers](https://developer.mozilla.org/en/docs/Web/API/Headers) to Kotlin\n\n *\n\npublic external open class
Headers(init: dynamic = definedExternally) {\n    fun append(name: String, value: String)\n    fun delete(name:
String)\n    fun get(name: String): String?\n    fun has(name: String): Boolean\n    fun set(name: String, value:
String)\n}\n\n/**\n\n * Exposes the JavaScript [Body](https://developer.mozilla.org/en/docs/Web/API/Body) to
Kotlin\n\n *\n\npublic external interface Body {\n    val bodyUsed: Boolean\n    fun arrayBuffer():
Promise<ArrayBuffer>\n    fun blob(): Promise<Blob>\n    fun formData(): Promise<FormData>\n    fun json():
Promise<Any?>\n    fun text(): Promise<String>\n}\n\n/**\n\n * Exposes the JavaScript
[Request](https://developer.mozilla.org/en/docs/Web/API/Request) to Kotlin\n\n *\n\npublic external open class
Request(input: dynamic, init: RequestInit = definedExternally) : Body {\n    open val method: String\n    open val
url: String\n    open val headers: Headers\n    open val type: RequestType\n    open val destination:
RequestDestination\n    open val referrer: String\n    open val referrerPolicy: dynamic\n    open val mode:
RequestMode\n    open val credentials: RequestCredentials\n    open val cache: RequestCache\n    open val redirect:
RequestRedirect\n    open val integrity: String\n    open val keepalive: Boolean\n    override val bodyUsed:
Boolean\n    fun clone(): Request\n    override fun arrayBuffer(): Promise<ArrayBuffer>\n    override fun blob():
Promise<Blob>\n    override fun formData(): Promise<FormData>\n    override fun json(): Promise<Any?>\n
    override fun text(): Promise<String>\n}\n\npublic external interface RequestInit {\n    var method: String?\n
get() = definedExternally\n    set(value) = definedExternally\n    var headers: dynamic\n    get() =
definedExternally\n    set(value) = definedExternally\n    var body: dynamic\n    get() = definedExternally\n
set(value) = definedExternally\n    var referrer: String?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var referrerPolicy: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n    var mode: RequestMode?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var credentials: RequestCredentials?\n    get() = definedExternally\n    set(value) =

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definedExternally\n var cache: RequestCache?\n get() = definedExternally\n set(value) =
definedExternally\n var redirect: RequestRedirect?\n get() = definedExternally\n set(value) =
definedExternally\n var integrity: String?\n get() = definedExternally\n set(value) = definedExternally\n
var keepalive: Boolean?\n get() = definedExternally\n set(value) = definedExternally\n var window:
Any?\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun RequestInit(method: String? = undefined,
headers: dynamic = undefined, body: dynamic = undefined, referrer: String? = undefined, referrerPolicy: dynamic =
undefined, mode: RequestMode? = undefined, credentials: RequestCredentials? = undefined, cache: RequestCache?
= undefined, redirect: RequestRedirect? = undefined, integrity: String? = undefined, keepalive: Boolean? =
undefined, window: Any? = undefined): RequestInit {\n val o = js("{}")\n o["method"] = method\n
o["headers"] = headers\n o["body"] = body\n o["referrer"] = referrer\n o["referrerPolicy"] =
referrerPolicy\n o["mode"] = mode\n o["credentials"] = credentials\n o["cache"] = cache\n o["redirect"]
= redirect\n o["integrity"] = integrity\n o["keepalive"] = keepalive\n o["window"] = window\n return
o}\n\n/*\n * Exposes the JavaScript [Response](https://developer.mozilla.org/en/docs/Web/API/Response) to
Kotlin\n */\npublic external open class Response(body: dynamic = definedExternally, init: ResponseInit =
definedExternally) : Body {\n open val type: ResponseType\n open val url: String\n open val redirected:
Boolean\n open val status: Short\n open val ok: Boolean\n open val statusText: String\n open val headers:
Headers\n open val body: dynamic\n open val trailer: Promise<Headers>\n override val bodyUsed: Boolean\n
fun clone(): Response\n override fun arrayBuffer(): Promise<ArrayBuffer>\n override fun blob():
Promise<Blob>\n override fun formData(): Promise<FormData>\n override fun json(): Promise<Any?>\n
override fun text(): Promise<String>\n\n companion object {\n fun error(): Response\n fun redirect(url:
String, status: Short = definedExternally): Response\n }\n}\n\npublic external interface ResponseInit {\n var
status: Short? /* = 200 */\n get() = definedExternally\n set(value) = definedExternally\n var statusText:
String? /* = "OK" */\n get() = definedExternally\n set(value) = definedExternally\n var headers:
dynamic\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ResponseInit(status: Short? = 200,
statusText: String? = "OK", headers: dynamic = undefined): ResponseInit {\n val o = js("{}")\n o["status"]
= status\n o["statusText"] = statusText\n o["headers"] = headers\n return o}\n\n/* please, don't implement
this interface! *\n\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface
RequestType {\n companion object\n}\n\npublic inline val RequestType.Companion.EMPTY: RequestType get()
= ""\n\n.asDynamic().unsafeCast<RequestType>()\n\npublic inline val RequestType.Companion.AUDIO:
RequestType get() = "audio"\n\n.asDynamic().unsafeCast<RequestType>()\n\npublic inline val
RequestType.Companion.FONT: RequestType get() = "font"\n\n.asDynamic().unsafeCast<RequestType>()\n\npublic
inline val RequestType.Companion.IMAGE: RequestType get() =
"image"\n\n.asDynamic().unsafeCast<RequestType>()\n\npublic inline val RequestType.Companion.SCRIPT:
RequestType get() = "script"\n\n.asDynamic().unsafeCast<RequestType>()\n\npublic inline val
RequestType.Companion.STYLE: RequestType get() =
"style"\n\n.asDynamic().unsafeCast<RequestType>()\n\npublic inline val RequestType.Companion.TRACK:
RequestType get() = "track"\n\n.asDynamic().unsafeCast<RequestType>()\n\npublic inline val
RequestType.Companion.VIDEO: RequestType get() = "video"\n\n.asDynamic().unsafeCast<RequestType>()\n\n/*
please, don't implement this interface! *\n\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface
RequestDestination {\n companion object\n}\n\npublic inline val RequestDestination.Companion.EMPTY:
RequestDestination get() = ""\n\n.asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.DOCUMENT: RequestDestination get() =
"document"\n\n.asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.EMBED: RequestDestination get() =
"embed"\n\n.asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val

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RequestDestination.Companion.FONT: RequestDestination get() =
    \"font\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.IMAGE: RequestDestination get() =
    \"image\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.MANIFEST: RequestDestination get() =
    \"manifest\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.MEDIA: RequestDestination get() =
    \"media\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.OBJECT: RequestDestination get() =
    \"object\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.REPORT: RequestDestination get() =
    \"report\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.SCRIPT: RequestDestination get() =
    \"script\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.SERVICEMANIFEST: RequestDestination get() =
    \"servicemanifest\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.SHAREDWORKER: RequestDestination get() =
    \"sharedworker\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.STYLE: RequestDestination get() =
    \"style\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.WORKER: RequestDestination get() =
    \"worker\".asDynamic().unsafeCast<RequestDestination>()\n\npublic inline val
RequestDestination.Companion.XSLT: RequestDestination get() =
    \"xslt\".asDynamic().unsafeCast<RequestDestination>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external interface RequestMode {\n
    companion object\n\n\npublic inline val RequestMode.Companion.NAVIGATE: RequestMode get() =
    \"navigate\".asDynamic().unsafeCast<RequestMode>()\n\npublic inline val
RequestMode.Companion.SAME_ORIGIN: RequestMode get() = \"same-
origin\".asDynamic().unsafeCast<RequestMode>()\n\npublic inline val RequestMode.Companion.NO_CORS:
RequestMode get() = \"no-cors\".asDynamic().unsafeCast<RequestMode>()\n\npublic inline val
RequestMode.Companion.CORS: RequestMode get() = \"cors\".asDynamic().unsafeCast<RequestMode>()\n\n/*
please, don't implement this interface!
*\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external interface
RequestCredentials {\n
    companion object\n\n\npublic inline val RequestCredentials.Companion.OMIT:
RequestCredentials get() = \"omit\".asDynamic().unsafeCast<RequestCredentials>()\n\npublic inline val
RequestCredentials.Companion.SAME_ORIGIN: RequestCredentials get() = \"same-
origin\".asDynamic().unsafeCast<RequestCredentials>()\n\npublic inline val
RequestCredentials.Companion.INCLUDE: RequestCredentials get() =
    \"include\".asDynamic().unsafeCast<RequestCredentials>()\n\n/* please, don't implement this interface!
*\n\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\n\npublic external interface RequestCache
{\n
    companion object\n\n\npublic inline val RequestCache.Companion.DEFAULT: RequestCache get() =
    \"default\".asDynamic().unsafeCast<RequestCache>()\n\npublic inline val RequestCache.Companion.NO_STORE:
RequestCache get() = \"no-store\".asDynamic().unsafeCast<RequestCache>()\n\npublic inline val
RequestCache.Companion.RELOAD: RequestCache get() =
    \"reload\".asDynamic().unsafeCast<RequestCache>()\n\npublic inline val RequestCache.Companion.NO_CACHE:
RequestCache get() = \"no-cache\".asDynamic().unsafeCast<RequestCache>()\n\npublic inline val
RequestCache.Companion.FORCE_CACHE: RequestCache get() = \"force-
cache\".asDynamic().unsafeCast<RequestCache>()\n\npublic inline val

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RequestCache.Companion.ONLY_IF_CACHED: RequestCache get() = `only-if-
cached`.asDynamic().unsafeCast<RequestCache>()\n\n/* please, don't implement this interface!
*\n\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface RequestRedirect
{\n  companion object\n}\n\npublic inline val RequestRedirect.Companion.FOLLOW: RequestRedirect get() =
`follow`.asDynamic().unsafeCast<RequestRedirect>()\n\npublic inline val RequestRedirect.Companion.ERROR:
RequestRedirect get() = `error`.asDynamic().unsafeCast<RequestRedirect>()\n\npublic inline val
RequestRedirect.Companion.MANUAL: RequestRedirect get() =
`manual`.asDynamic().unsafeCast<RequestRedirect>()\n\n/* please, don't implement this interface!
*\n\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface ResponseType
{\n  companion object\n}\n\npublic inline val ResponseType.Companion.BASIC: ResponseType get() =
`basic`.asDynamic().unsafeCast<ResponseType>()\n\npublic inline val ResponseType.Companion.CORS:
ResponseType get() = `cors`.asDynamic().unsafeCast<ResponseType>()\n\npublic inline val
ResponseType.Companion.DEFAULT: ResponseType get() =
`default`.asDynamic().unsafeCast<ResponseType>()\n\npublic inline val ResponseType.Companion.ERROR:
ResponseType get() = `error`.asDynamic().unsafeCast<ResponseType>()\n\npublic inline val
ResponseType.Companion.OPAQUE: ResponseType get() =
`opaque`.asDynamic().unsafeCast<ResponseType>()\n\npublic inline val
ResponseType.Companion.OPAQUEREDIRECT: ResponseType get() =
`opaqueredirect`.asDynamic().unsafeCast<ResponseType>()`, /*\n\n * Copyright 2010-2019 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n\n *\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT
EDIT!\n\n// See github.com/kotlin/dukat for details\n\npackage org.w3c.dom.mediacapture\n\nimport
kotlin.js.*\nimport org.khronos.webgl.*\nimport org.w3c.css.masking.*\nimport org.w3c.dom.*\nimport
org.w3c.dom.clipboard.*\nimport org.w3c.dom.css.*\nimport org.w3c.dom.events.*\nimport
org.w3c.dom.parsing.*\nimport org.w3c.dom.pointerevents.*\nimport org.w3c.dom.svg.*\nimport
org.w3c.dom.url.*\nimport org.w3c.fetch.*\nimport org.w3c.files.*\nimport org.w3c.notifications.*\nimport
org.w3c.performance.*\nimport org.w3c.workers.*\nimport org.w3c.xhr.*\n\n/**\n\n * Exposes the JavaScript
[MediaStream](https://developer.mozilla.org/en/docs/Web/API/MediaStream) to Kotlin\n\n *\n\npublic external open
class MediaStream() : EventTarget {\n  constructor(stream: MediaStream)\n  constructor(tracks:
Array<MediaStreamTrack>)\n  open val id: String\n  open val active: Boolean\n  var onaddtrack:
((MediaStreamTrackEvent) -> dynamic)?\n  var onremovetrack: ((MediaStreamTrackEvent) -> dynamic)?\n  fun
getAudioTracks(): Array<MediaStreamTrack>\n  fun getVideoTracks(): Array<MediaStreamTrack>\n  fun
getTracks(): Array<MediaStreamTrack>\n  fun getTrackById(trackId: String): MediaStreamTrack?\n  fun
addTrack(track: MediaStreamTrack)\n  fun removeTrack(track: MediaStreamTrack)\n  fun clone():
MediaStream\n}\n\n/**\n\n * Exposes the JavaScript
[MediaStreamTrack](https://developer.mozilla.org/en/docs/Web/API/MediaStreamTrack) to Kotlin\n\n *\n\npublic
external abstract class MediaStreamTrack : EventTarget {\n  open val kind: String\n  open val id: String\n  open
val label: String\n  open var enabled: Boolean\n  open val muted: Boolean\n  open var onmute: ((Event) ->
dynamic)?\n  open var onunmute: ((Event) -> dynamic)?\n  open val readyState: MediaStreamTrackState\n
open var onended: ((Event) -> dynamic)?\n  open var onoverconstrained: ((Event) -> dynamic)?\n  fun clone():
MediaStreamTrack\n  fun stop()\n  fun getCapabilities(): MediaTrackCapabilities\n  fun getConstraints():
MediaTrackConstraints\n  fun getSettings(): MediaTrackSettings\n  fun applyConstraints(constraints:
MediaTrackConstraints = definedExternally): Promise<Unit>\n}\n\n/**\n\n * Exposes the JavaScript
[MediaTrackSupportedConstraints](https://developer.mozilla.org/en/docs/Web/API/MediaTrackSupportedConstrain
ts) to Kotlin\n\n *\n\npublic external interface MediaTrackSupportedConstraints {\n  var width: Boolean? /* = true
*\n\n  get() = definedExternally\n  set(value) = definedExternally\n  var height: Boolean? /* = true *\n\n  get() = definedExternally\n  set(value) = definedExternally\n  var aspectRatio: Boolean? /* = true *\n\n  get() =
definedExternally\n  set(value) = definedExternally\n  var frameRate: Boolean? /* = true *\n\n  get() =

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definedExternally\n      set(value) = definedExternally\n      var facingMode: Boolean? /* = true */\n      get() =
definedExternally\n      set(value) = definedExternally\n      var resizeMode: Boolean? /* = true */\n      get() =
definedExternally\n      set(value) = definedExternally\n      var volume: Boolean? /* = true */\n      get() =
definedExternally\n      set(value) = definedExternally\n      var sampleRate: Boolean? /* = true */\n      get() =
definedExternally\n      set(value) = definedExternally\n      var sampleSize: Boolean? /* = true */\n      get() =
definedExternally\n      set(value) = definedExternally\n      var echoCancellation: Boolean? /* = true */\n      get()
= definedExternally\n      set(value) = definedExternally\n      var autoGainControl: Boolean? /* = true */\n      get()
= definedExternally\n      set(value) = definedExternally\n      var noiseSuppression: Boolean? /* = true */\n
get() = definedExternally\n      set(value) = definedExternally\n      var latency: Boolean? /* = true */\n      get() =
definedExternally\n      set(value) = definedExternally\n      var channelCount: Boolean? /* = true */\n      get() =
definedExternally\n      set(value) = definedExternally\n      var deviceId: Boolean? /* = true */\n      get() =
definedExternally\n      set(value) = definedExternally\n      var groupId: Boolean? /* = true */\n      get() =
definedExternally\n      set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
MediaTrackSupportedConstraints(width: Boolean? = true, height: Boolean? = true, aspectRatio: Boolean? = true,
frameRate: Boolean? = true, facingMode: Boolean? = true, resizeMode: Boolean? = true, volume: Boolean? = true,
sampleRate: Boolean? = true, sampleSize: Boolean? = true, echoCancellation: Boolean? = true, autoGainControl:
Boolean? = true, noiseSuppression: Boolean? = true, latency: Boolean? = true, channelCount: Boolean? = true,
deviceId: Boolean? = true, groupId: Boolean? = true): MediaTrackSupportedConstraints {\n      val o = js("{}")\n
o["width"] = width\n      o["height"] = height\n      o["aspectRatio"] = aspectRatio\n      o["frameRate"] =
frameRate\n      o["facingMode"] = facingMode\n      o["resizeMode"] = resizeMode\n      o["volume"] = volume\n
o["sampleRate"] = sampleRate\n      o["sampleSize"] = sampleSize\n      o["echoCancellation"] =
echoCancellation\n      o["autoGainControl"] = autoGainControl\n      o["noiseSuppression"] = noiseSuppression\n
o["latency"] = latency\n      o["channelCount"] = channelCount\n      o["deviceId"] = deviceId\n      o["groupId"] =
groupId\n      return o\n}\n\npublic external interface MediaTrackCapabilities {\n      var width: ULongRange?\n
get() = definedExternally\n      set(value) = definedExternally\n      var height: ULongRange?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var aspectRatio: DoubleRange?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var frameRate: DoubleRange?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var facingMode: Array<String>?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var resizeMode: Array<String>?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var volume: DoubleRange?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var sampleRate: ULongRange?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var sampleSize: ULongRange?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var echoCancellation: Array<Boolean>?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var autoGainControl: Array<Boolean>?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var noiseSuppression: Array<Boolean>?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var latency: DoubleRange?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var channelCount: ULongRange?\n      get() =
definedExternally\n      set(value) = definedExternally\n      var deviceId: String?\n      get() = definedExternally\n
set(value) = definedExternally\n      var groupId: String?\n      get() = definedExternally\n      set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun MediaTrackCapabilities(width:
ULongRange? = undefined, height: ULongRange? = undefined, aspectRatio: DoubleRange? = undefined,
frameRate: DoubleRange? = undefined, facingMode: Array<String>? = undefined, resizeMode: Array<String>? =
undefined, volume: DoubleRange? = undefined, sampleRate: ULongRange? = undefined, sampleSize:
ULongRange? = undefined, echoCancellation: Array<Boolean>? = undefined, autoGainControl: Array<Boolean>?
= undefined, noiseSuppression: Array<Boolean>? = undefined, latency: DoubleRange? = undefined, channelCount:
ULongRange? = undefined, deviceId: String? = undefined, groupId: String? = undefined): MediaTrackCapabilities
{\n      val o = js("{}")\n      o["width"] = width\n      o["height"] = height\n      o["aspectRatio"] = aspectRatio\n
o["frameRate"] = frameRate\n      o["facingMode"] = facingMode\n      o["resizeMode"] = resizeMode\n

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o["volume"] = volume\n  o["sampleRate"] = sampleRate\n  o["sampleSize"] = sampleSize\n
o["echoCancellation"] = echoCancellation\n  o["autoGainControl"] = autoGainControl\n
o["noiseSuppression"] = noiseSuppression\n  o["latency"] = latency\n  o["channelCount"] = channelCount\n
o["deviceId"] = deviceId\n  o["groupId"] = groupId\n  return o\n}\n\n/**\n * Exposes the JavaScript
[MediaTrackConstraints](https://developer.mozilla.org/en/docs/Web/API/MediaTrackConstraints) to Kotlin\n
*\npublic external interface MediaTrackConstraints : MediaTrackConstraintSet {\n  var advanced:
Array<MediaTrackConstraintSet>?\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun MediaTrackConstraints(advanced:
Array<MediaTrackConstraintSet>? = undefined, width: dynamic = undefined, height: dynamic = undefined,
aspectRatio: dynamic = undefined, frameRate: dynamic = undefined, facingMode: dynamic = undefined,
resizeMode: dynamic = undefined, volume: dynamic = undefined, sampleRate: dynamic = undefined, sampleSize:
dynamic = undefined, echoCancellation: dynamic = undefined, autoGainControl: dynamic = undefined,
noiseSuppression: dynamic = undefined, latency: dynamic = undefined, channelCount: dynamic = undefined,
deviceId: dynamic = undefined, groupId: dynamic = undefined): MediaTrackConstraints {\n  val o = js("{}")\n
o["advanced"] = advanced\n  o["width"] = width\n  o["height"] = height\n  o["aspectRatio"] =
aspectRatio\n  o["frameRate"] = frameRate\n  o["facingMode"] = facingMode\n  o["resizeMode"] =
resizeMode\n  o["volume"] = volume\n  o["sampleRate"] = sampleRate\n  o["sampleSize"] = sampleSize\n
o["echoCancellation"] = echoCancellation\n  o["autoGainControl"] = autoGainControl\n
o["noiseSuppression"] = noiseSuppression\n  o["latency"] = latency\n  o["channelCount"] = channelCount\n
o["deviceId"] = deviceId\n  o["groupId"] = groupId\n  return o\n}\n\npublic external interface
MediaTrackConstraintSet {\n  var width: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n  var height: dynamic\n    get() = definedExternally\n    set(value) = definedExternally\n
var aspectRatio: dynamic\n    get() = definedExternally\n    set(value) = definedExternally\n  var frameRate:
dynamic\n    get() = definedExternally\n    set(value) = definedExternally\n  var facingMode: dynamic\n
get() = definedExternally\n    set(value) = definedExternally\n  var resizeMode: dynamic\n    get() =
definedExternally\n    set(value) = definedExternally\n  var volume: dynamic\n    get() = definedExternally\n
set(value) = definedExternally\n  var sampleRate: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n  var sampleSize: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n  var echoCancellation: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n  var autoGainControl: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n  var noiseSuppression: dynamic\n    get() = definedExternally\n    set(value) =
definedExternally\n  var latency: dynamic\n    get() = definedExternally\n    set(value) = definedExternally\n
var channelCount: dynamic\n    get() = definedExternally\n    set(value) = definedExternally\n  var deviceId:
dynamic\n    get() = definedExternally\n    set(value) = definedExternally\n  var groupId: dynamic\n    get()
= definedExternally\n    set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
MediaTrackConstraintSet(width: dynamic = undefined, height: dynamic = undefined, aspectRatio: dynamic =
undefined, frameRate: dynamic = undefined, facingMode: dynamic = undefined, resizeMode: dynamic = undefined,
volume: dynamic = undefined, sampleRate: dynamic = undefined, sampleSize: dynamic = undefined,
echoCancellation: dynamic = undefined, autoGainControl: dynamic = undefined, noiseSuppression: dynamic =
undefined, latency: dynamic = undefined, channelCount: dynamic = undefined, deviceId: dynamic = undefined,
groupId: dynamic = undefined): MediaTrackConstraintSet {\n  val o = js("{}")\n  o["width"] = width\n
o["height"] = height\n  o["aspectRatio"] = aspectRatio\n  o["frameRate"] = frameRate\n  o["facingMode"]
= facingMode\n  o["resizeMode"] = resizeMode\n  o["volume"] = volume\n  o["sampleRate"] =
sampleRate\n  o["sampleSize"] = sampleSize\n  o["echoCancellation"] = echoCancellation\n
o["autoGainControl"] = autoGainControl\n  o["noiseSuppression"] = noiseSuppression\n  o["latency"] =
latency\n  o["channelCount"] = channelCount\n  o["deviceId"] = deviceId\n  o["groupId"] = groupId\n
return o\n}\n\n/**\n * Exposes the JavaScript
[MediaTrackSettings](https://developer.mozilla.org/en/docs/Web/API/MediaTrackSettings) to Kotlin\n
*\npublic

```

```

external interface MediaTrackSettings {
    var width: Int?
    get() = definedExternally
    set(value) = definedExternally
    var height: Int?
    get() = definedExternally
    set(value) = definedExternally
    var aspectRatio: Double?
    get() = definedExternally
    set(value) = definedExternally
    var frameRate: Double?
    get() = definedExternally
    set(value) = definedExternally
    var facingMode: String?
    get() = definedExternally
    set(value) = definedExternally
    var resizeMode: String?
    get() = definedExternally
    set(value) = definedExternally
    var volume: Double?
    get() = definedExternally
    set(value) = definedExternally
    var sampleRate: Int?
    get() = definedExternally
    set(value) = definedExternally
    var sampleSize: Int?
    get() = definedExternally
    set(value) = definedExternally
    var echoCancellation: Boolean?
    get() = definedExternally
    set(value) = definedExternally
    var autoGainControl: Boolean?
    get() = definedExternally
    set(value) = definedExternally
    var noiseSuppression: Boolean?
    get() = definedExternally
    set(value) = definedExternally
    var latency: Double?
    get() = definedExternally
    set(value) = definedExternally
    var channelCount: Int?
    get() = definedExternally
    set(value) = definedExternally
    var deviceId: String?
    get() = definedExternally
    set(value) = definedExternally
    var groupId: String?
    get() = definedExternally
    set(value) = definedExternally
}

@kotlin.internal.InlineOnly
public inline fun MediaTrackSettings(width: Int? = undefined, height: Int? = undefined, aspectRatio: Double? = undefined, frameRate: Double? = undefined, facingMode: String? = undefined, resizeMode: String? = undefined, volume: Double? = undefined, sampleRate: Int? = undefined, sampleSize: Int? = undefined, echoCancellation: Boolean? = undefined, autoGainControl: Boolean? = undefined, noiseSuppression: Boolean? = undefined, latency: Double? = undefined, channelCount: Int? = undefined, deviceId: String? = undefined, groupId: String? = undefined): MediaTrackSettings {
    val o = js("{}")
    o["width"] = width
    o["height"] = height
    o["aspectRatio"] = aspectRatio
    o["frameRate"] = frameRate
    o["facingMode"] = facingMode
    o["resizeMode"] = resizeMode
    o["volume"] = volume
    o["sampleRate"] = sampleRate
    o["sampleSize"] = sampleSize
    o["echoCancellation"] = echoCancellation
    o["autoGainControl"] = autoGainControl
    o["noiseSuppression"] = noiseSuppression
    o["latency"] = latency
    o["channelCount"] = channelCount
    o["deviceId"] = deviceId
    o["groupId"] = groupId
    return o
}

/** Exposes the JavaScript [MediaStreamTrackEvent](https://developer.mozilla.org/en/docs/Web/API/MediaStreamTrackEvent) to Kotlin */
public external open class MediaStreamTrackEvent(type: String, eventInitDict: MediaStreamTrackEventInit) : Event {
    open val track: MediaStreamTrack
    companion object {
        val NONE: Short
        val CAPTURING_PHASE: Short
        val AT_TARGET: Short
        val BUBBLING_PHASE: Short
    }
}

public external interface MediaStreamTrackEventInit : EventInit {
    var track: MediaStreamTrack?
    get() = definedExternally
    set(value) = definedExternally
}

@kotlin.internal.InlineOnly
public inline fun MediaStreamTrackEventInit(track: MediaStreamTrack?, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): MediaStreamTrackEventInit {
    val o = js("{}")
    o["track"] = track
    o["bubbles"] = bubbles
    o["cancelable"] = cancelable
    o["composed"] = composed
    return o
}

public external open class OverconstrainedErrorEvent(type: String, eventInitDict: OverconstrainedErrorEventInit) : Event {
    open val error: dynamic
    companion object {
        val NONE: Short
        val CAPTURING_PHASE: Short
        val AT_TARGET: Short
        val BUBBLING_PHASE: Short
    }
}

public external interface OverconstrainedErrorEventInit : EventInit {
    var error: dynamic /* = null */
    get() = definedExternally
    set(value) = definedExternally
}

@kotlin.internal.InlineOnly
public inline fun OverconstrainedErrorEventInit(error: dynamic = null, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): OverconstrainedErrorEventInit {
    val o = js("{}")
    o["error"] = error
    o["bubbles"] = bubbles
    o["cancelable"] = cancelable
    o["composed"] = composed
    return o
}

/** Exposes the JavaScript [MediaDevices](https://developer.mozilla.org/en/docs/Web/API/MediaDevices) to Kotlin */
public external abstract class MediaDevices : EventTarget {
    open var ondevicechange: ((Event) -> dynamic)?
    fun enumerateDevices(): Promise<Array<MediaDeviceInfo>>
    fun getSupportedConstraints(): MediaTrackSupportedConstraints
    fun getUserMedia(constraints: MediaStreamConstraints = definedExternally):

```


Promise<MediaStream>\n}\n\n/**\n * Exposes the JavaScript [MediaDeviceInfo](https://developer.mozilla.org/en/docs/Web/API/MediaDeviceInfo) to Kotlin\n */\npublic external abstract class MediaDeviceInfo {\n open val deviceId: String\n open val kind: MediaDeviceKind\n open val label: String\n open val groupId: String\n fun toJSON(): dynamic\n}\n\npublic external abstract class InputDeviceInfo : MediaDeviceInfo {\n fun getCapabilities(): MediaTrackCapabilities\n}\n\n/**\n * Exposes the JavaScript [MediaStreamConstraints](https://developer.mozilla.org/en/docs/Web/API/MediaStreamConstraints) to Kotlin\n */\npublic external interface MediaStreamConstraints {\n var video: dynamic /* = false */\n get() = definedExternally\n set(value) = definedExternally\n var audio: dynamic /* = false */\n get() = definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun MediaStreamConstraints(video: dynamic = false, audio: dynamic = false): MediaStreamConstraints {\n val o = js("{}")\n o["video"] = video\n o["audio"] = audio\n return o\n}\n\npublic external interface ConstrainingPattern {\n var onoverconstrained: ((Event) -> dynamic)?\n get() = definedExternally\n set(value) = definedExternally\n fun getCapabilities(): Capabilities\n fun getConstraints(): Constraints\n fun getSettings(): Settings\n fun applyConstraints(constraints: Constraints = definedExternally): Promise<Unit>\n}\n\n/**\n * Exposes the JavaScript [DoubleRange](https://developer.mozilla.org/en/docs/Web/API/DoubleRange) to Kotlin\n */\npublic external interface DoubleRange {\n var max: Double?\n get() = definedExternally\n set(value) = definedExternally\n var min: Double?\n get() = definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun DoubleRange(max: Double? = undefined, min: Double? = undefined): DoubleRange {\n val o = js("{}")\n o["max"] = max\n o["min"] = min\n return o\n}\n\npublic external interface ConstrainDoubleRange : DoubleRange {\n var exact: Double?\n get() = definedExternally\n set(value) = definedExternally\n var ideal: Double?\n get() = definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ConstrainDoubleRange(exact: Double? = undefined, ideal: Double? = undefined, max: Double? = undefined, min: Double? = undefined): ConstrainDoubleRange {\n val o = js("{}")\n o["exact"] = exact\n o["ideal"] = ideal\n o["max"] = max\n o["min"] = min\n return o\n}\n\npublic external interface ULongRange {\n var max: Int?\n get() = definedExternally\n set(value) = definedExternally\n var min: Int?\n get() = definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ULongRange(max: Int? = undefined, min: Int? = undefined): ULongRange {\n val o = js("{}")\n o["max"] = max\n o["min"] = min\n return o\n}\n\npublic external interface ConstrainULongRange : ULongRange {\n var exact: Int?\n get() = definedExternally\n set(value) = definedExternally\n var ideal: Int?\n get() = definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ConstrainULongRange(exact: Int? = undefined, ideal: Int? = undefined, max: Int? = undefined, min: Int? = undefined): ConstrainULongRange {\n val o = js("{}")\n o["exact"] = exact\n o["ideal"] = ideal\n o["max"] = max\n o["min"] = min\n return o\n}\n\n/**\n * Exposes the JavaScript [ConstrainBooleanParameters](https://developer.mozilla.org/en/docs/Web/API/ConstrainBooleanParameters) to Kotlin\n */\npublic external interface ConstrainBooleanParameters {\n var exact: Boolean?\n get() = definedExternally\n set(value) = definedExternally\n var ideal: Boolean?\n get() = definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ConstrainBooleanParameters(exact: Boolean? = undefined, ideal: Boolean? = undefined): ConstrainBooleanParameters {\n val o = js("{}")\n o["exact"] = exact\n o["ideal"] = ideal\n return o\n}\n\n/**\n * Exposes the JavaScript [ConstrainDOMStringParameters](https://developer.mozilla.org/en/docs/Web/API/ConstrainDOMStringParameters) to Kotlin\n */\npublic external interface ConstrainDOMStringParameters {\n var exact: dynamic\n get() = definedExternally\n set(value) = definedExternally\n var ideal: dynamic\n get() = definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ConstrainDOMStringParameters(exact: dynamic = undefined, ideal: dynamic = undefined): ConstrainDOMStringParameters {\n val o = js("{}")\n o["exact"] = exact\n o["ideal"] = ideal\n return o\n}\n

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o\n}\n\npublic external interface Capabilities\n\n@kotlin.internal.InlineOnly\n\npublic inline fun Capabilities():
Capabilities {\n  val o = js("{}")\n  return o\n}\n\npublic external interface
Settings\n\n@kotlin.internal.InlineOnly\n\npublic inline fun Settings(): Settings {\n  val o = js("{}")\n  return
o\n}\n\npublic external interface ConstraintSet\n\n@kotlin.internal.InlineOnly\n\npublic inline fun ConstraintSet():
ConstraintSet {\n  val o = js("{}")\n  return o\n}\n\npublic external interface Constraints : ConstraintSet {\n
var advanced: Array<ConstraintSet>?\n  get() = definedExternally\n  set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\n\npublic inline fun Constraints(advanced:
Array<ConstraintSet>? = undefined): Constraints {\n  val o = js("{}")\n  o["advanced"] = advanced\n
return o\n}\n\n/* please, don't implement this interface!
*\n\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\npublic external interface
MediaStreamTrackState {\n  companion object\n}\n\npublic inline val MediaStreamTrackState.Companion.LIVE:
MediaStreamTrackState get() = "live".asDynamic().unsafeCast<MediaStreamTrackState>()\n\npublic inline val
MediaStreamTrackState.Companion.ENDED: MediaStreamTrackState get() =
"ended".asDynamic().unsafeCast<MediaStreamTrackState>()\n\n/* please, don't implement this interface!
*\n\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\npublic external interface
VideoFacingModeEnum {\n  companion object\n}\n\npublic inline val
VideoFacingModeEnum.Companion.USER: VideoFacingModeEnum get() =
"user".asDynamic().unsafeCast<VideoFacingModeEnum>()\n\npublic inline val
VideoFacingModeEnum.Companion.ENVIRONMENT: VideoFacingModeEnum get() =
"environment".asDynamic().unsafeCast<VideoFacingModeEnum>()\n\npublic inline val
VideoFacingModeEnum.Companion.LEFT: VideoFacingModeEnum get() =
"left".asDynamic().unsafeCast<VideoFacingModeEnum>()\n\npublic inline val
VideoFacingModeEnum.Companion.RIGHT: VideoFacingModeEnum get() =
"right".asDynamic().unsafeCast<VideoFacingModeEnum>()\n\n/* please, don't implement this interface!
*\n\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\npublic external interface
VideoResizeModeEnum {\n  companion object\n}\n\npublic inline val
VideoResizeModeEnum.Companion.NONE: VideoResizeModeEnum get() =
"none".asDynamic().unsafeCast<VideoResizeModeEnum>()\n\npublic inline val
VideoResizeModeEnum.Companion.CROP_AND_SCALE: VideoResizeModeEnum get() = "crop-and-
scale".asDynamic().unsafeCast<VideoResizeModeEnum>()\n\n/* please, don't implement this interface!
*\n\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\n\npublic external interface
MediaDeviceKind {\n  companion object\n}\n\npublic inline val MediaDeviceKind.Companion.AUDIOINPUT:
MediaDeviceKind get() = "audioinput".asDynamic().unsafeCast<MediaDeviceKind>()\n\npublic inline val
MediaDeviceKind.Companion.AUDIOOUTPUT: MediaDeviceKind get() =
"audiooutput".asDynamic().unsafeCast<MediaDeviceKind>()\n\npublic inline val
MediaDeviceKind.Companion.VIDEOINPUT: MediaDeviceKind get() =
"videoinput".asDynamic().unsafeCast<MediaDeviceKind>()), /*\n * Copyright 2010-2019 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT
EDIT!\n\n// See github.com/kotlin/dukat for details\n\npackage org.w3c.dom.pointerevents\n\nimport
kotlin.js.*\nimport org.khronos.webgl.*\nimport org.w3c.css.masking.*\nimport org.w3c.dom.*\nimport
org.w3c.dom.clipboard.*\nimport org.w3c.dom.css.*\nimport org.w3c.dom.events.*\nimport
org.w3c.dom.mediacapture.*\nimport org.w3c.dom.parsing.*\nimport org.w3c.dom.svg.*\nimport
org.w3c.dom.url.*\nimport org.w3c.fetch.*\nimport org.w3c.files.*\nimport org.w3c.notifications.*\nimport
org.w3c.performance.*\nimport org.w3c.workers.*\nimport org.w3c.xhr.*\n\npublic external interface
PointerEventInit : MouseEventInit {\n  var pointerId: Int? /* = 0 */\n  get() = definedExternally\n
set(value) = definedExternally\n  var width: Double? /* = 1.0 */\n  get() = definedExternally\n  set(value) =
definedExternally\n  var height: Double? /* = 1.0 */\n  get() = definedExternally\n  set(value) =

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definedExternally\n    var pressure: Float? /* = 0f */\n        get() = definedExternally\n        set(value) =
definedExternally\n    var tangentialPressure: Float? /* = 0f */\n        get() = definedExternally\n        set(value) =
definedExternally\n    var tiltX: Int? /* = 0 */\n        get() = definedExternally\n        set(value) = definedExternally\n
    var tiltY: Int? /* = 0 */\n        get() = definedExternally\n        set(value) = definedExternally\n    var twist: Int? /* =
0 */\n        get() = definedExternally\n        set(value) = definedExternally\n    var pointerType: String? /* = "" */\n
    get() = definedExternally\n        set(value) = definedExternally\n    var isPrimary: Boolean? /* = false */\n
    get() = definedExternally\n        set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
PointerEventInit(pointerId: Int? = 0, width: Double? = 1.0, height: Double? = 1.0, pressure: Float? = 0f,
tangentialPressure: Float? = 0f, tiltX: Int? = 0, tiltY: Int? = 0, twist: Int? = 0, pointerType: String? = "", isPrimary:
Boolean? = false, screenX: Int? = 0, screenY: Int? = 0, clientX: Int? = 0, clientY: Int? = 0, button: Short? = 0,
buttons: Short? = 0, relatedTarget: EventTarget? = null, region: String? = null, ctrlKey: Boolean? = false, shiftKey:
Boolean? = false, altKey: Boolean? = false, metaKey: Boolean? = false, modifierAltGraph: Boolean? = false,
modifierCapsLock: Boolean? = false, modifierFn: Boolean? = false, modifierFnLock: Boolean? = false,
modifierHyper: Boolean? = false, modifierNumLock: Boolean? = false, modifierScrollLock: Boolean? = false,
modifierSuper: Boolean? = false, modifierSymbol: Boolean? = false, modifierSymbolLock: Boolean? = false, view:
Window? = null, detail: Int? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): PointerEventInit {\n    val o = js("{}")\n    o["pointerId"] = pointerId\n    o["width"] = width\n
    o["height"] = height\n    o["pressure"] = pressure\n    o["tangentialPressure"] = tangentialPressure\n
    o["tiltX"] = tiltX\n    o["tiltY"] = tiltY\n    o["twist"] = twist\n    o["pointerType"] = pointerType\n
    o["isPrimary"] = isPrimary\n    o["screenX"] = screenX\n    o["screenY"] = screenY\n    o["clientX"] =
clientX\n    o["clientY"] = clientY\n    o["button"] = button\n    o["buttons"] = buttons\n    o["relatedTarget"] =
relatedTarget\n    o["region"] = region\n    o["ctrlKey"] = ctrlKey\n    o["shiftKey"] = shiftKey\n    o["altKey"] =
altKey\n    o["metaKey"] = metaKey\n    o["modifierAltGraph"] = modifierAltGraph\n
    o["modifierCapsLock"] = modifierCapsLock\n    o["modifierFn"] = modifierFn\n    o["modifierFnLock"] =
modifierFnLock\n    o["modifierHyper"] = modifierHyper\n    o["modifierNumLock"] = modifierNumLock\n
    o["modifierScrollLock"] = modifierScrollLock\n    o["modifierSuper"] = modifierSuper\n
    o["modifierSymbol"] = modifierSymbol\n    o["modifierSymbolLock"] = modifierSymbolLock\n    o["view"] =
view\n    o["detail"] = detail\n    o["bubbles"] = bubbles\n    o["cancelable"] = cancelable\n    o["composed"] =
composed\n    return o\n}\n\n/**\n * Exposes the JavaScript
[PointerEvent](https://developer.mozilla.org/en/docs/Web/API/PointerEvent) to Kotlin\n */\n\npublic external open
class PointerEvent(type: String, eventInitDict: PointerEventInit = definedExternally) : MouseEvent {\n    open val
pointerId: Int\n    open val width: Double\n    open val height: Double\n    open val pressure: Float\n    open val
tangentialPressure: Float\n    open val tiltX: Int\n    open val tiltY: Int\n    open val twist: Int\n    open val
pointerType: String\n    open val isPrimary: Boolean\n\n    companion object {\n        val NONE: Short\n        val
CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val BUBBLING_PHASE: Short\n    }\n}"/**\n
 * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code
is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n// NOTE: THIS
FILE IS AUTO-GENERATED, DO NOT EDIT!\n// See github.com/kotlin/dukat for details\n\npackage
org.w3c.dom.svg\n\nimport kotlin.js.*\nimport org.khronos.webgl.*\nimport org.w3c.css.masking.*\nimport
org.w3c.dom.*\nimport org.w3c.dom.clipboard.*\nimport org.w3c.dom.css.*\nimport
org.w3c.dom.events.*\nimport org.w3c.dom.mediacapture.*\nimport org.w3c.dom.parsing.*\nimport
org.w3c.dom.pointerevents.*\nimport org.w3c.dom.url.*\nimport org.w3c.fetch.*\nimport org.w3c.files.*\nimport
org.w3c.notifications.*\nimport org.w3c.performance.*\nimport org.w3c.workers.*\nimport org.w3c.xhr.*\n\n/**\n
 * Exposes the JavaScript [SVGElement](https://developer.mozilla.org/en/docs/Web/API/SVGElement) to Kotlin\n
 */\n\npublic external abstract class SVGElement : Element, ElementCSSInlineStyle, GlobalEventHandlers,
SVGElementInstance {\n    open val dataset: DOMStringMap\n    open val ownerSVGElement:
SVGSVGElement?\n    open val viewportElement: SVGElement?\n    open var tabIndex: Int\n    fun focus()\n    fun
blur()\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n

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val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE:
Short\n    val ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val
COMMENT_NODE: Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n
    val DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n } \n} \n\npublic external interface
SVGBoundingBoxOptions { \n    var fill: Boolean? /* = true */ \n        get() = definedExternally \n        set(value) =
definedExternally \n    var stroke: Boolean? /* = false */ \n        get() = definedExternally \n        set(value) =
definedExternally \n    var markers: Boolean? /* = false */ \n        get() = definedExternally \n        set(value) =
definedExternally \n    var clipped: Boolean? /* = false */ \n        get() = definedExternally \n        set(value) =
definedExternally \n} \n\n@kotlin.internal.InlineOnly \npublic inline fun SVGBoundingBoxOptions(fill: Boolean? =
true, stroke: Boolean? = false, markers: Boolean? = false, clipped: Boolean? = false): SVGBoundingBoxOptions { \n
    val o = js("{}") \n    o["fill"] = fill \n    o["stroke"] = stroke \n    o["markers"] = markers \n    o["clipped"] =
clipped \n    return o \n} \n\n/** \n * Exposes the JavaScript
[SVGGraphicsElement](https://developer.mozilla.org/en/docs/Web/API/SVGGraphicsElement) to Kotlin \n
*/ \n\npublic external abstract class SVGGraphicsElement : SVGElement, SVGTests { \n    open val transform:
SVGAnimatedTransformList \n    fun getBBox(options: SVGBoundingBoxOptions = definedExternally):
DOMRect \n    fun getCTM(): DOMMatrix? \n    fun getScreenCTM(): DOMMatrix? \n\n    companion object { \n
val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n } \n} \n\n/** \n * Exposes the JavaScript
[SVGGeometryElement](https://developer.mozilla.org/en/docs/Web/API/SVGGeometryElement) to Kotlin \n
*/ \n\npublic external abstract class SVGGeometryElement : SVGGraphicsElement { \n    open val pathLength:
SVGAnimatedNumber \n    fun isPointInFill(point: DOMPoint): Boolean \n    fun isPointInStroke(point: DOMPoint):
Boolean \n    fun getTotalLength(): Float \n    fun getPointAtLength(distance: Float): DOMPoint \n\n    companion
object { \n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE:
Short\n    val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val
ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE:
Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n } \n} \n\n/** \n * Exposes the JavaScript
[SVGNumber](https://developer.mozilla.org/en/docs/Web/API/SVGNumber) to Kotlin \n
*/ \n\npublic external
abstract class SVGNumber { \n    open var value: Float \n} \n\n/** \n * Exposes the JavaScript
[SVGLength](https://developer.mozilla.org/en/docs/Web/API/SVGLength) to Kotlin \n
*/ \n\npublic external abstract
class SVGLength { \n    open val unitType: Short\n    open var value: Float \n    open var valueInSpecifiedUnits:
Float \n    open var valueAsString: String \n    fun newValueSpecifiedUnits(unitType: Short, valueInSpecifiedUnits:
Float) \n    fun convertToSpecifiedUnits(unitType: Short) \n\n    companion object { \n    val

```

SVG_LENGTHTYPE_UNKNOWN: Short\n val SVG_LENGTHTYPE_NUMBER: Short\n val
SVG_LENGTHTYPE_PERCENTAGE: Short\n val SVG_LENGTHTYPE_EMS: Short\n val
SVG_LENGTHTYPE_EXS: Short\n val SVG_LENGTHTYPE_PX: Short\n val
SVG_LENGTHTYPE_CM: Short\n val SVG_LENGTHTYPE_MM: Short\n val
SVG_LENGTHTYPE_IN: Short\n val SVG_LENGTHTYPE_PT: Short\n val SVG_LENGTHTYPE_PC:
Short\n }\n}\n\n/**\n * Exposes the JavaScript
[SVGAngle](https://developer.mozilla.org/en/docs/Web/API/SVGAngle) to Kotlin\n *\n\npublic external abstract
class SVGAngle {\n open val unitType: Short\n open var value: Float\n open var valueInSpecifiedUnits:
Float\n open var valueAsString: String\n fun newValueSpecifiedUnits(unitType: Short, valueInSpecifiedUnits:
Float)\n fun convertToSpecifiedUnits(unitType: Short)\n\n companion object {\n val
SVG_ANGLETYPE_UNKNOWN: Short\n val SVG_ANGLETYPE_UNSPECIFIED: Short\n val
SVG_ANGLETYPE_DEG: Short\n val SVG_ANGLETYPE_RAD: Short\n val
SVG_ANGLETYPE_GRAD: Short\n }\n}\n\npublic external abstract class SVGNameList {\n open val length:
Int\n open val numberOfItems: Int\n fun clear()\n fun initialize(newItem: dynamic): dynamic\n fun
insertItemBefore(newItem: dynamic, index: Int): dynamic\n fun replaceItem(newItem: dynamic, index: Int):
dynamic\n fun removeItem(index: Int): dynamic\n fun appendItem(newItem: dynamic): dynamic\n fun
getItem(index: Int): dynamic\n}\n\n@kotlin.internal.InlineOnly\n\npublic inline operator fun
SVGNameList.get(index: Int): dynamic = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\n\npublic inline
operator fun SVGNameList.set(index: Int, newItem: dynamic) { asDynamic()[index] = newItem }\n\n/**\n *
Exposes the JavaScript [SVGNumberList](https://developer.mozilla.org/en/docs/Web/API/SVGNumberList) to
Kotlin\n *\n\npublic external abstract class SVGNumberList {\n open val length: Int\n open val numberOfItems:
Int\n fun clear()\n fun initialize(newItem: SVGNumber): SVGNumber\n fun insertItemBefore(newItem:
SVGNumber, index: Int): SVGNumber\n fun replaceItem(newItem: SVGNumber, index: Int): SVGNumber\n
fun removeItem(index: Int): SVGNumber\n fun appendItem(newItem: SVGNumber): SVGNumber\n fun
getItem(index: Int): SVGNumber\n}\n\n@kotlin.internal.InlineOnly\n\npublic inline operator fun
SVGNumberList.get(index: Int): SVGNumber? = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\n\npublic inline
operator fun SVGNumberList.set(index: Int, newItem: SVGNumber) { asDynamic()[index] = newItem }\n\n/**\n *
Exposes the JavaScript [SVGLengthList](https://developer.mozilla.org/en/docs/Web/API/SVGLengthList) to
Kotlin\n *\n\npublic external abstract class SVGLengthList {\n open val length: Int\n open val numberOfItems:
Int\n fun clear()\n fun initialize(newItem: SVGLength): SVGLength\n fun insertItemBefore(newItem:
SVGLength, index: Int): SVGLength\n fun replaceItem(newItem: SVGLength, index: Int): SVGLength\n fun
removeItem(index: Int): SVGLength\n fun appendItem(newItem: SVGLength): SVGLength\n fun
getItem(index: Int): SVGLength\n}\n\n@kotlin.internal.InlineOnly\n\npublic inline operator fun
SVGLengthList.get(index: Int): SVGLength? = asDynamic()[index]\n\n@kotlin.internal.InlineOnly\n\npublic inline
operator fun SVGLengthList.set(index: Int, newItem: SVGLength) { asDynamic()[index] = newItem }\n\n/**\n *
Exposes the JavaScript
[SVGAnimatedBoolean](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedBoolean) to Kotlin\n\n
*\n\npublic external abstract class SVGAnimatedBoolean {\n open var baseVal: Boolean\n open val animVal:
Boolean\n}\n\n/**\n * Exposes the JavaScript
[SVGAnimatedEnumeration](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedEnumeration) to
Kotlin\n *\n\npublic external abstract class SVGAnimatedEnumeration {\n open var baseVal: Short\n open val
animVal: Short\n}\n\n/**\n * Exposes the JavaScript
[SVGAnimatedInteger](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedInteger) to Kotlin\n\n
*\n\npublic external abstract class SVGAnimatedInteger {\n open var baseVal: Int\n open val animVal:
Int\n}\n\n/**\n * Exposes the JavaScript
[SVGAnimatedNumber](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedNumber) to Kotlin\n\n
*\n\npublic external abstract class SVGAnimatedNumber {\n open var baseVal: Float\n open val animVal:
Float\n}\n\n/**\n * Exposes the JavaScript

[SVGAnimatedLength](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedLength) to Kotlin\n
`*\npublic external abstract class SVGAnimatedLength {\n open val baseVal: SVGLength\n open val animVal: SVGLength\n}\n\n/**\n * Exposes the JavaScript`

[SVGAnimatedAngle](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedAngle) to Kotlin\n
`*\npublic external abstract class SVGAnimatedAngle {\n open val baseVal: SVGAngle\n open val animVal: SVGAngle\n}\n\n/**\n * Exposes the JavaScript`

[SVGAnimatedString](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedString) to Kotlin\n
`*\npublic external abstract class SVGAnimatedString {\n open var baseVal: String\n open val animVal: String\n}\n\n/**\n * Exposes the JavaScript`

[SVGAnimatedRect](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedRect) to Kotlin\n
`*\npublic external abstract class SVGAnimatedRect {\n open val baseVal: DOMRect\n open val animVal: DOMRectReadOnly\n}\n\n/**\n * Exposes the JavaScript`

[SVGAnimatedNumberList](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedNumberList) to Kotlin\n
`*\npublic external abstract class SVGAnimatedNumberList {\n open val baseVal: SVGNumberList\n open val animVal: SVGNumberList\n}\n\n/**\n * Exposes the JavaScript`

[SVGAnimatedLengthList](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedLengthList) to Kotlin\n
`*\npublic external abstract class SVGAnimatedLengthList {\n open val baseVal: SVGLengthList\n open val animVal: SVGLengthList\n}\n\n/**\n * Exposes the JavaScript`

[SVGStringList](https://developer.mozilla.org/en/docs/Web/API/SVGStringList) to Kotlin\n
`*\npublic external abstract class SVGStringList {\n open val length: Int\n open val numberOfItems: Int\n fun clear()\n fun initialize(newItem: String): String\n fun insertItemBefore(newItem: String, index: Int): String\n fun replaceItem(newItem: String, index: Int): String\n fun removeItem(index: Int): String\n fun appendItem(newItem: String): String\n fun getItem(index: Int): String\n}\n\n@kotlin.internal.InlineOnly\npublic inline operator fun SVGStringList.get(index: Int): String? =\n asDynamic()[index]\n\n@kotlin.internal.InlineOnly\npublic inline operator fun SVGStringList.set(index: Int, newItem: String) {\n asDynamic()[index] = newItem\n}\n\n/**\n * Exposes the JavaScript`

[SVGUnitTypes](https://developer.mozilla.org/en/docs/Web/API/SVGUnitTypes) to Kotlin\n
`*\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface SVGUnitTypes {\n companion object {\n val SVG_UNIT_TYPE_UNKNOWN: Short\n val SVG_UNIT_TYPE_USERSPACEONUSE: Short\n val SVG_UNIT_TYPE_OBJECTBOUNDINGBOX: Short\n }\n}\n\n/**\n * Exposes the JavaScript`

[SVGTTests](https://developer.mozilla.org/en/docs/Web/API/SVGTTests) to Kotlin\n
`*\npublic external interface SVGTTests {\n val requiredExtensions: SVGStringList\n val systemLanguage: SVGStringList\n}\n\npublic external interface SVGFitToViewBox {\n val viewBox: SVGAnimatedRect\n val preserveAspectRatio: SVGAnimatedPreserveAspectRatio\n}\n\n/**\n * Exposes the JavaScript`

[SVGZoomAndPan](https://developer.mozilla.org/en/docs/Web/API/SVGZoomAndPan) to Kotlin\n
`*\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface SVGZoomAndPan {\n var zoomAndPan: Short\n\n companion object {\n val SVG_ZOOMANDPAN_UNKNOWN: Short\n val SVG_ZOOMANDPAN_DISABLE: Short\n val SVG_ZOOMANDPAN_MAGNIFY: Short\n }\n}\n\n/**\n * Exposes the JavaScript`

[SVGURIReference](https://developer.mozilla.org/en/docs/Web/API/SVGURIReference) to Kotlin\n
`*\npublic external interface SVGURIReference {\n val href: SVGAnimatedString\n}\n\n/**\n * Exposes the JavaScript`

[SVGSVGElement](https://developer.mozilla.org/en/docs/Web/API/SVGSVGElement) to Kotlin\n
`*\npublic external abstract class SVGSVGElement : SVGGraphicsElement, SVGFitToViewBox, SVGZoomAndPan, WindowEventHandlers {\n open val x: SVGAnimatedLength\n open val y: SVGAnimatedLength\n open val width: SVGAnimatedLength\n open val height: SVGAnimatedLength\n open var currentScale: Float\n open val currentTranslate: DOMPointReadOnly\n fun getIntersectionList(rect: DOMRectReadOnly, referenceElement: SVGElement?): NodeList\n fun getEnclosureList(rect: DOMRectReadOnly, referenceElement: SVGElement?): NodeList\n fun checkIntersection(element: SVGElement, rect: DOMRectReadOnly): Boolean\n fun`

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checkEnclosure(element: SVGElement, rect: DOMRectReadOnly): Boolean\n fun deselectAll()\n fun
createSVGNumber(): SVGNumber\n fun createSVGLength(): SVGLength\n fun createSVGAngle():
SVGAngle\n fun createSVGPoint(): DOMPoint\n fun createSVGMatrix(): DOMMatrix\n fun
createSVGRect(): DOMRect\n fun createSVGTransform(): SVGTransform\n fun
createSVGTransformFromMatrix(matrix: DOMMatrixReadOnly): SVGTransform\n fun
getElementById(elementId: String): Element\n fun suspendRedraw(maxWaitMilliseconds: Int): Int\n fun
unsuspendRedraw(suspendHandleID: Int)\n fun unsuspendRedrawAll()\n fun forceRedraw()\n\n companion
object {\n    val SVG_ZOOMANDPAN_UNKNOWN: Short\n    val SVG_ZOOMANDPAN_DISABLE:
Short\n    val SVG_ZOOMANDPAN_MAGNIFY: Short\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }
}\n\n/**\n * Exposes the JavaScript
[SVGGElement](https://developer.mozilla.org/en/docs/Web/API/SVGGElement) to Kotlin\n */\npublic external
abstract class SVGGElement : SVGGraphicsElement {\n    companion object {\n        val ELEMENT_NODE:
Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE:
Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }
}\n\npublic external abstract class
SVGUnknownElement : SVGGraphicsElement {\n    companion object {\n        val ELEMENT_NODE: Short\n
val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n
val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }
}\n\n/**\n * Exposes the JavaScript
[SVGDefsElement](https://developer.mozilla.org/en/docs/Web/API/SVGDefsElement) to Kotlin\n */\npublic
external abstract class SVGDefsElement : SVGGraphicsElement {\n    companion object {\n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
    }
}

```

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    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGDescElement](https://developer.mozilla.org/en/docs/Web/API/SVGDescElement) to Kotlin\n *\npublic
external abstract class SVGDescElement : SVGElement {\n    companion object {\n        val ELEMENT_NODE:
Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE:
Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGMetadataElement](https://developer.mozilla.org/en/docs/Web/API/SVGMetadataElement) to Kotlin\n *\npublic
external abstract class SVGMetadataElement : SVGElement {\n    companion object {\n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGTitleElement](https://developer.mozilla.org/en/docs/Web/API/SVGTitleElement) to Kotlin\n *\npublic
external abstract class SVGTitleElement : SVGElement {\n    companion object {\n        val ELEMENT_NODE:
Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE:
Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGSymbolElement](https://developer.mozilla.org/en/docs/Web/API/SVGSymbolElement) to Kotlin\n *\npublic
external abstract class SVGSymbolElement : SVGGraphicsElement, SVGFitToViewBox {\n    companion object
{\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n
        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val
ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE:
Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGUseElement](https://developer.mozilla.org/en/docs/Web/API/SVGUseElement) to Kotlin\n *\npublic external
abstract class SVGUseElement : SVGGraphicsElement, SVGURIReference {\n    open val x:

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SVGAnimatedLength\n  open val y: SVGAnimatedLength\n  open val width: SVGAnimatedLength\n  open val
height: SVGAnimatedLength\n  open val instanceRoot: SVGElement?\n  open val animatedInstanceRoot:
SVGElement?\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE:
Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\npublic external open class
SVGUseElementShadowRoot : ShadowRoot {\n  companion object {\n    val ELEMENT_NODE: Short\n
val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n
val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\npublic external interface
SVGElementInstance {\n  val correspondingElement: SVGElement?\n  get() = definedExternally\n  val
correspondingUseElement: SVGUseElement?\n  get() = definedExternally\n}\n\npublic external open class
ShadowAnimation(source: dynamic, newTarget: dynamic) {\n  open val sourceAnimation: dynamic\n}\n\n/**\n *
Exposes the JavaScript [SVGSwitchElement](https://developer.mozilla.org/en/docs/Web/API/SVGSwitchElement)
to Kotlin\n */\n\npublic external abstract class SVGSwitchElement : SVGGraphicsElement {\n  companion object
{\n    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n
val CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val
ENTITY_NODE: Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE:
Short\n    val DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\npublic external interface
GetSVGDocument {\n  fun getSVGDocument(): Document\n}\n\n/**\n * Exposes the JavaScript
[SVGStyleElement](https://developer.mozilla.org/en/docs/Web/API/SVGStyleElement) to Kotlin\n */\n\npublic
external abstract class SVGStyleElement : SVGElement, LinkStyle {\n  open var type: String\n  open var media:
String\n  open var title: String\n\n  companion object {\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\npublic external interface

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DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n } \n\n\n

* Exposes the JavaScript [SVGTransform](https://developer.mozilla.org/en/docs/Web/API/SVGTransform) to Kotlin\n *\n\npublic external abstract class SVGTransform {\n open val type: Short\n open val matrix: DOMMatrix\n open val angle: Float\n fun setMatrix(matrix: DOMMatrixReadOnly)\n fun setTranslate(tx: Float, ty: Float)\n fun setScale(sx: Float, sy: Float)\n fun setRotate(angle: Float, cx: Float, cy: Float)\n fun setSkewX(angle: Float)\n fun setSkewY(angle: Float)\n\n companion object {\n val SVG_TRANSFORM_UNKNOWN: Short\n val SVG_TRANSFORM_MATRIX: Short\n val SVG_TRANSFORM_TRANSLATE: Short\n val SVG_TRANSFORM_SCALE: Short\n val SVG_TRANSFORM_ROTATE: Short\n val SVG_TRANSFORM_SKEWX: Short\n val SVG_TRANSFORM_SKEWY: Short\n } \n\n\n

* Exposes the JavaScript [SVGTransformList](https://developer.mozilla.org/en/docs/Web/API/SVGTransformList) to Kotlin\n *\n\npublic external abstract class SVGTransformList {\n open val length: Int\n open val numberOfItems: Int\n fun clear()\n fun initialize(newItem: SVGTransform): SVGTransform\n fun insertItemBefore(newItem: SVGTransform, index: Int): SVGTransform\n fun replaceItem(newItem: SVGTransform, index: Int): SVGTransform\n fun removeItem(index: Int): SVGTransform\n fun appendItem(newItem: SVGTransform): SVGTransform\n fun createSVGTransformFromMatrix(matrix: DOMMatrixReadOnly): SVGTransform\n fun consolidate(): SVGTransform?\n fun getItem(index: Int): SVGTransform\n } \n\n\n

@kotlin.internal.InlineOnly\n\npublic inline operator fun SVGTransformList.get(index: Int): SVGTransform? = asDynamic()[index] \n\n\n

@kotlin.internal.InlineOnly\n\npublic inline operator fun SVGTransformList.set(index: Int, newItem: SVGTransform) { asDynamic()[index] = newItem } \n\n\n

* Exposes the JavaScript [SVGAnimatedTransformList](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedTransformList) to Kotlin\n *\n\npublic external abstract class SVGAnimatedTransformList {\n open val baseVal: SVGTransformList\n open val animVal: SVGTransformList\n } \n\n\n

* Exposes the JavaScript [SVGPreserveAspectRatio](https://developer.mozilla.org/en/docs/Web/API/SVGPreserveAspectRatio) to Kotlin\n *\n\npublic external abstract class SVGPreserveAspectRatio {\n open var align: Short\n open var meetOrSlice: Short\n\n companion object {\n val SVG_PRESERVEASPECTRATIO_UNKNOWN: Short\n val SVG_PRESERVEASPECTRATIO_NONE: Short\n val SVG_PRESERVEASPECTRATIO_XMINYMIN: Short\n val SVG_PRESERVEASPECTRATIO_XMIDYMIN: Short\n val SVG_PRESERVEASPECTRATIO_XMAXYMIN: Short\n val SVG_PRESERVEASPECTRATIO_XMINYMID: Short\n val SVG_PRESERVEASPECTRATIO_XMIDYMID: Short\n val SVG_PRESERVEASPECTRATIO_XMAXYMID: Short\n val SVG_PRESERVEASPECTRATIO_XMINYMAX: Short\n val SVG_PRESERVEASPECTRATIO_XMIDYMAX: Short\n val SVG_PRESERVEASPECTRATIO_XMAXYMAX: Short\n val SVG_MEETORSLICE_UNKNOWN: Short\n val SVG_MEETORSLICE_MEET: Short\n val SVG_MEETORSLICE_SLICE: Short\n } \n\n\n

* Exposes the JavaScript [SVGAnimatedPreserveAspectRatio](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedPreserveAspectRatio) to Kotlin\n *\n\npublic external abstract class SVGAnimatedPreserveAspectRatio {\n open val baseVal: SVGPreserveAspectRatio\n open val animVal: SVGPreserveAspectRatio\n } \n\n\n

* Exposes the JavaScript [SVGPathElement](https://developer.mozilla.org/en/docs/Web/API/SVGPathElement) to Kotlin\n *\n\npublic external abstract class SVGPathElement : SVGGeometryElement {\n companion object {\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n

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    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGRectElement](https://developer.mozilla.org/en/docs/Web/API/SVGRectElement) to Kotlin\n *\npublic
external abstract class SVGRectElement : SVGGeometryElement {\n    open val x: SVGAnimatedLength\n    open
val y: SVGAnimatedLength\n    open val width: SVGAnimatedLength\n    open val height: SVGAnimatedLength\n
    open val rx: SVGAnimatedLength\n    open val ry: SVGAnimatedLength\n\n    companion object {\n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGCircleElement](https://developer.mozilla.org/en/docs/Web/API/SVGCircleElement) to Kotlin\n *\npublic
external abstract class SVGCircleElement : SVGGeometryElement {\n    open val cx: SVGAnimatedLength\n
    open val cy: SVGAnimatedLength\n    open val r: SVGAnimatedLength\n\n    companion object {\n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGEllipseElement](https://developer.mozilla.org/en/docs/Web/API/SVGEllipseElement) to Kotlin\n *\npublic
external abstract class SVGEllipseElement : SVGGeometryElement {\n    open val cx: SVGAnimatedLength\n
    open val cy: SVGAnimatedLength\n    open val rx: SVGAnimatedLength\n    open val ry: SVGAnimatedLength\n\n
    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val
TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGLineElement](https://developer.mozilla.org/en/docs/Web/API/SVGLineElement) to Kotlin\n *\npublic
external abstract class SVGLineElement : SVGGeometryElement {\n    open val x1: SVGAnimatedLength\n    open
val y1: SVGAnimatedLength\n    open val x2: SVGAnimatedLength\n    open val y2: SVGAnimatedLength\n\n
    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val
TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val

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DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGMeshElement](https://developer.mozilla.org/en/docs/Web/API/SVGMeshElement) to Kotlin \n * \n public
external abstract class SVGMeshElement : SVGGeometryElement, SVGURIReference { \n    companion object { \n
    val ELEMENT_NODE: Short\n    val ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val
CDATA_SECTION_NODE: Short\n    val ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE:
Short\n    val PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGAnimatedPoints](https://developer.mozilla.org/en/docs/Web/API/SVGAnimatedPoints) to Kotlin \n * \n public
external interface SVGAnimatedPoints { \n    val points: SVGPointList \n    val animatedPoints:
SVGPointList \n} \n \n public external abstract class SVGPointList { \n    open val length: Int \n    open val
numberOfItems: Int \n    fun clear() \n    fun initialize(newItem: DOMPoint): DOMPoint \n    fun
insertItemBefore(newItem: DOMPoint, index: Int): DOMPoint \n    fun replaceItem(newItem: DOMPoint, index:
Int): DOMPoint \n    fun removeItem(index: Int): DOMPoint \n    fun appendItem(newItem: DOMPoint):
DOMPoint \n    fun getItem(index: Int): DOMPoint \n} \n \n @kotlin.internal.InlineOnly \n public inline operator fun
SVGPointList.get(index: Int): DOMPoint? = asDynamic()[index] \n \n @kotlin.internal.InlineOnly \n public inline
operator fun SVGPointList.set(index: Int, newItem: DOMPoint) { asDynamic()[index] = newItem } \n \n /** \n *
Exposes the JavaScript
[SVGPolylineElement](https://developer.mozilla.org/en/docs/Web/API/SVGPolylineElement) to Kotlin \n
* \n public external abstract class SVGPolylineElement : SVGGeometryElement, SVGAnimatedPoints { \n
    companion object { \n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val
TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGPolygonElement](https://developer.mozilla.org/en/docs/Web/API/SVGPolygonElement) to Kotlin \n
* \n public external abstract class SVGPolygonElement : SVGGeometryElement, SVGAnimatedPoints { \n
    companion object { \n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val
TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    } \n} \n \n /** \n * Exposes the JavaScript
[SVGTextContentElement](https://developer.mozilla.org/en/docs/Web/API/SVGTextContentElement) to Kotlin \n

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*\npublic external abstract class SVGTextContentElement : SVGGraphicsElement {\n  open val textLength:
SVGAnimatedLength\n  open val lengthAdjust: SVGAnimatedEnumeration\n  fun getNumberOfChars(): Int\n  fun getComputedTextLength(): Float\n  fun getSubStringLength(charnum: Int, nchars: Int): Float\n  fun
getStartPositionOfChar(charnum: Int): DOMPoint\n  fun getEndPositionOfChar(charnum: Int): DOMPoint\n  fun
getExtentOfChar(charnum: Int): DOMRect\n  fun getRotationOfChar(charnum: Int): Float\n  fun
getCharNumAtPosition(point: DOMPoint): Int\n  fun selectSubString(charnum: Int, nchars: Int)\n\n  companion
object {\n    val LENGTHADJUST_UNKNOWN: Short\n    val LENGTHADJUST_SPACING: Short\n
val LENGTHADJUST_SPACINGANDGLYPHS: Short\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[SVGTextPositioningElement](https://developer.mozilla.org/en/docs/Web/API/SVGTextPositioningElement) to
Kotlin\n */\npublic external abstract class SVGTextPositioningElement : SVGTextContentElement {\n  open val x:
SVGAnimatedLengthList\n  open val y: SVGAnimatedLengthList\n  open val dx: SVGAnimatedLengthList\n
open val dy: SVGAnimatedLengthList\n  open val rotate: SVGAnimatedNumberList\n\n  companion object {\n
val LENGTHADJUST_UNKNOWN: Short\n    val LENGTHADJUST_SPACING: Short\n    val
LENGTHADJUST_SPACINGANDGLYPHS: Short\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[SVGTextElement](https://developer.mozilla.org/en/docs/Web/API/SVGTextElement) to Kotlin\n */\npublic
external abstract class SVGTextElement : SVGTextPositioningElement {\n  companion object {\n    val
LENGTHADJUST_UNKNOWN: Short\n    val LENGTHADJUST_SPACING: Short\n    val
LENGTHADJUST_SPACINGANDGLYPHS: Short\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n  }\n}\n\n/**\n * Exposes the JavaScript
[SVGTSpanElement](https://developer.mozilla.org/en/docs/Web/API/SVGTSpanElement) to Kotlin\n */\npublic
external abstract class SVGTSpanElement : SVGTextPositioningElement {\n  companion object {\n    val
LENGTHADJUST_UNKNOWN: Short\n    val LENGTHADJUST_SPACING: Short\n    val

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LENGTHADJUST_SPACINGANDGLYPHS: Short\n    val ELEMENT_NODE: Short\n    val
ATTRIBUTE_NODE: Short\n    val TEXT_NODE: Short\n    val CDATA_SECTION_NODE: Short\n    val
ENTITY_REFERENCE_NODE: Short\n    val ENTITY_NODE: Short\n    val
PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGTextPathElement](https://developer.mozilla.org/en/docs/Web/API/SVGTextPathElement) to Kotlin\n
*/\npublic external abstract class SVGTextPathElement : SVGTextContentElement, SVGURIReference {\n    open
val startOffset: SVGAnimatedLength\n    open val method: SVGAnimatedEnumeration\n    open val spacing:
SVGAnimatedEnumeration\n\n    companion object {\n        val TEXTPATH_METHODTYPE_UNKNOWN:
Short\n        val TEXTPATH_METHODTYPE_ALIGN: Short\n        val
TEXTPATH_METHODTYPE_STRETCH: Short\n        val TEXTPATH_SPACINGTYPE_UNKNOWN: Short\n
        val TEXTPATH_SPACINGTYPE_AUTO: Short\n        val TEXTPATH_SPACINGTYPE_EXACT: Short\n
        val LENGTHADJUST_UNKNOWN: Short\n        val LENGTHADJUST_SPACING: Short\n        val
LENGTHADJUST_SPACINGANDGLYPHS: Short\n        val ELEMENT_NODE: Short\n        val
ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGImageElement](https://developer.mozilla.org/en/docs/Web/API/SVGImageElement) to Kotlin\n
*/\npublic external abstract class SVGImageElement : SVGGraphicsElement, SVGURIReference,
HTMLorSVGImageElement {\n    open val x: SVGAnimatedLength\n    open val y: SVGAnimatedLength\n    open
val width: SVGAnimatedLength\n    open val height: SVGAnimatedLength\n    open val preserveAspectRatio:
SVGAnimatedPreserveAspectRatio\n    open var crossOrigin: String?\n\n    companion object {\n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGForeignObjectElement](https://developer.mozilla.org/en/docs/Web/API/SVGForeignObjectElement) to
Kotlin\n
*/\npublic external abstract class SVGForeignObjectElement : SVGGraphicsElement {\n    open val x:
SVGAnimatedLength\n    open val y: SVGAnimatedLength\n    open val width: SVGAnimatedLength\n    open val
height: SVGAnimatedLength\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val
ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val

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PROCESSING_INSTRUCTION_NODE: Short\n    val COMMENT_NODE: Short\n    val
DOCUMENT_NODE: Short\n    val DOCUMENT_TYPE_NODE: Short\n    val
DOCUMENT_FRAGMENT_NODE: Short\n    val NOTATION_NODE: Short\n    val
DOCUMENT_POSITION_DISCONNECTED: Short\n    val DOCUMENT_POSITION_PRECEDING: Short\n
    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\npublic external abstract class
SVGMarkerElement : SVGElement, SVGFitToViewBox {\n    open val refX: SVGAnimatedLength\n    open val
refY: SVGAnimatedLength\n    open val markerUnits: SVGAnimatedEnumeration\n    open val markerWidth:
SVGAnimatedLength\n    open val markerHeight: SVGAnimatedLength\n    open val orientType:
SVGAnimatedEnumeration\n    open val orientAngle: SVGAnimatedAngle\n    open var orient: String\n    fun
setOrientToAuto()\n    fun setOrientToAngle(angle: SVGAngle)\n\n    companion object {\n        val
SVG_MARKERUNITS_UNKNOWN: Short\n        val SVG_MARKERUNITS_USERSPACEONUSE: Short\n
        val SVG_MARKERUNITS_STROKewidth: Short\n        val SVG_MARKER_ORIENT_UNKNOWN: Short\n
        val SVG_MARKER_ORIENT_AUTO: Short\n        val SVG_MARKER_ORIENT_ANGLE: Short\n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGSolidcolorElement](https://developer.mozilla.org/en/docs/Web/API/SVGSolidcolorElement) to Kotlin\n
*\n\npublic external abstract class SVGSolidcolorElement : SVGElement {\n    companion object {\n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGGradientElement](https://developer.mozilla.org/en/docs/Web/API/SVGGradientElement) to Kotlin\n
*\n\npublic external abstract class SVGGradientElement : SVGElement, SVGURIReference, SVGUnitTypes {\n
    open val gradientUnits: SVGAnimatedEnumeration\n    open val gradientTransform: SVGAnimatedTransformList\n
    open val spreadMethod: SVGAnimatedEnumeration\n\n    companion object {\n        val
SVG_SPREADMETHOD_UNKNOWN: Short\n        val SVG_SPREADMETHOD_PAD: Short\n        val
SVG_SPREADMETHOD_REFLECT: Short\n        val SVG_SPREADMETHOD_REPEAT: Short\n        val
SVG_UNIT_TYPE_UNKNOWN: Short\n        val SVG_UNIT_TYPE_USERSPACEONUSE: Short\n        val
SVG_UNIT_TYPE_OBJECTBOUNDINGBOX: Short\n        val ELEMENT_NODE: Short\n        val
ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val

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DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n val DOCUMENT_POSITION_CONTAINED_BY: Short\n val

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }n}\n\n/**\n * Exposes the JavaScript [SVGLinearGradientElement](https://developer.mozilla.org/en/docs/Web/API/SVGLinearGradientElement) to Kotlin\n */\npublic external abstract class SVGLinearGradientElement : SVGGradientElement {\n open val x1: SVGAnimatedLength\n open val y1: SVGAnimatedLength\n open val x2: SVGAnimatedLength\n open val y2: SVGAnimatedLength\n\n companion object {\n val SVG_SPREADMETHOD_UNKNOWN: Short\n val SVG_SPREADMETHOD_PAD: Short\n val SVG_SPREADMETHOD_REFLECT: Short\n val SVG_SPREADMETHOD_REPEAT: Short\n val SVG_UNIT_TYPE_UNKNOWN: Short\n val SVG_UNIT_TYPE_USERSPACEONUSE: Short\n val SVG_UNIT_TYPE_OBJECTBOUNDINGBOX: Short\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val

DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n val DOCUMENT_POSITION_CONTAINED_BY: Short\n val

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }n}\n\n/**\n * Exposes the JavaScript [SVGRadialGradientElement](https://developer.mozilla.org/en/docs/Web/API/SVGRadialGradientElement) to Kotlin\n */\npublic external abstract class SVGRadialGradientElement : SVGGradientElement {\n open val cx: SVGAnimatedLength\n open val cy: SVGAnimatedLength\n open val r: SVGAnimatedLength\n open val fx: SVGAnimatedLength\n open val fy: SVGAnimatedLength\n open val fr: SVGAnimatedLength\n\n companion object {\n val SVG_SPREADMETHOD_UNKNOWN: Short\n val SVG_SPREADMETHOD_PAD: Short\n val SVG_SPREADMETHOD_REFLECT: Short\n val SVG_SPREADMETHOD_REPEAT: Short\n val SVG_UNIT_TYPE_UNKNOWN: Short\n val SVG_UNIT_TYPE_USERSPACEONUSE: Short\n val SVG_UNIT_TYPE_OBJECTBOUNDINGBOX: Short\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val

DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n val DOCUMENT_POSITION_CONTAINED_BY: Short\n val

DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }n}\n\npublic external abstract class SVGMeshGradientElement : SVGGradientElement {\n companion object {\n val SVG_SPREADMETHOD_UNKNOWN: Short\n val SVG_SPREADMETHOD_PAD: Short\n val SVG_SPREADMETHOD_REFLECT: Short\n val SVG_SPREADMETHOD_REPEAT: Short\n val SVG_UNIT_TYPE_UNKNOWN: Short\n val SVG_UNIT_TYPE_USERSPACEONUSE: Short\n val SVG_UNIT_TYPE_OBJECTBOUNDINGBOX: Short\n val ELEMENT_NODE: Short\n val ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val

DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n


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    val DOCUMENT_POSITION_FOLLOWING: Short\n    val DOCUMENT_POSITION_CONTAINS: Short\n
    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\npublic external abstract class
SVGMeshrowElement : SVGElement {\n    companion object {\n        val ELEMENT_NODE: Short\n        val
ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\npublic external abstract class
SVGMeshpatchElement : SVGElement {\n    companion object {\n        val ELEMENT_NODE: Short\n        val
ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGStopElement](https://developer.mozilla.org/en/docs/Web/API/SVGStopElement) to Kotlin\n */\n\npublic
external abstract class SVGStopElement : SVGElement {\n    open val offset: SVGAnimatedNumber\n\n    companion object {\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val
TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE:
Short\n        val ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val
COMMENT_NODE: Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n
        val DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGPatternElement](https://developer.mozilla.org/en/docs/Web/API/SVGPatternElement) to Kotlin\n */\n\npublic
external abstract class SVGPatternElement : SVGElement, SVGFitToViewBox, SVGURIReference,
SVGUnitTypes {\n    open val patternUnits: SVGAnimatedEnumeration\n    open val patternContentUnits:
SVGAnimatedEnumeration\n    open val patternTransform: SVGAnimatedTransformList\n    open val x:
SVGAnimatedLength\n    open val y: SVGAnimatedLength\n    open val width: SVGAnimatedLength\n    open val
height: SVGAnimatedLength\n\n    companion object {\n        val SVG_UNIT_TYPE_UNKNOWN: Short\n
        val SVG_UNIT_TYPE_USERSPACEONUSE: Short\n        val SVG_UNIT_TYPE_OBJECTBOUNDINGBOX:
Short\n        val ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n
        val CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val
ENTITY_NODE: Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE:
Short\n        val DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n

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    val DOCUMENT_POSITION_CONTAINED_BY: Short\n    val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\npublic external abstract class
SVGHatchElement : SVGElement {\n    companion object {\n        val ELEMENT_NODE: Short\n        val
ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\npublic external abstract class
SVGHatchpathElement : SVGElement {\n    companion object {\n        val ELEMENT_NODE: Short\n        val
ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE: Short\n        val
ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGCursorElement](https://developer.mozilla.org/en/docs/Web/API/SVGCursorElement) to Kotlin\n */\n\npublic
external abstract class SVGCursorElement : SVGElement, SVGURIReference {\n    open val x:
SVGAnimatedLength\n    open val y: SVGAnimatedLength\n\n    companion object {\n        val
ELEMENT_NODE: Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val
CDATA_SECTION_NODE: Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE:
Short\n        val PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGScriptElement](https://developer.mozilla.org/en/docs/Web/API/SVGScriptElement) to Kotlin\n */\n\npublic
external abstract class SVGScriptElement : SVGElement, SVGURIReference, HTMLOrSVGScriptElement {\n
    open var type: String\n    open var crossOrigin: String?\n\n    companion object {\n        val ELEMENT_NODE:
Short\n        val ATTRIBUTE_NODE: Short\n        val TEXT_NODE: Short\n        val CDATA_SECTION_NODE:
Short\n        val ENTITY_REFERENCE_NODE: Short\n        val ENTITY_NODE: Short\n        val
PROCESSING_INSTRUCTION_NODE: Short\n        val COMMENT_NODE: Short\n        val
DOCUMENT_NODE: Short\n        val DOCUMENT_TYPE_NODE: Short\n        val
DOCUMENT_FRAGMENT_NODE: Short\n        val NOTATION_NODE: Short\n        val
DOCUMENT_POSITION_DISCONNECTED: Short\n        val DOCUMENT_POSITION_PRECEDING: Short\n
        val DOCUMENT_POSITION_FOLLOWING: Short\n        val DOCUMENT_POSITION_CONTAINS: Short\n
        val DOCUMENT_POSITION_CONTAINED_BY: Short\n        val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n    }\n}\n\n/**\n * Exposes the JavaScript
[SVGAElement](https://developer.mozilla.org/en/docs/Web/API/SVGAElement) to Kotlin\n */\n\npublic external
abstract class SVGAElement : SVGGraphicsElement, SVGURIReference {\n    open val target:

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```

SVGAnimatedString\n open val download: SVGAnimatedString\n open val rel: SVGAnimatedString\n open
val relList: SVGAnimatedString\n open val hreflang: SVGAnimatedString\n open val type:
SVGAnimatedString\n\n companion object {\n val ELEMENT_NODE: Short\n val
ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}\n\n/**\n * Exposes the JavaScript
[SVGViewElement](https://developer.mozilla.org/en/docs/Web/API/SVGViewElement) to Kotlin\n\npublic
external abstract class SVGViewElement : SVGElement, SVGFitToViewBox, SVGZoomAndPan {\n companion
object {\n val SVG_ZOOMANDPAN_UNKNOWN: Short\n val SVG_ZOOMANDPAN_DISABLE:
Short\n val SVG_ZOOMANDPAN_MAGNIFY: Short\n val ELEMENT_NODE: Short\n val
ATTRIBUTE_NODE: Short\n val TEXT_NODE: Short\n val CDATA_SECTION_NODE: Short\n val
ENTITY_REFERENCE_NODE: Short\n val ENTITY_NODE: Short\n val
PROCESSING_INSTRUCTION_NODE: Short\n val COMMENT_NODE: Short\n val
DOCUMENT_NODE: Short\n val DOCUMENT_TYPE_NODE: Short\n val
DOCUMENT_FRAGMENT_NODE: Short\n val NOTATION_NODE: Short\n val
DOCUMENT_POSITION_DISCONNECTED: Short\n val DOCUMENT_POSITION_PRECEDING: Short\n
val DOCUMENT_POSITION_FOLLOWING: Short\n val DOCUMENT_POSITION_CONTAINS: Short\n
val DOCUMENT_POSITION_CONTAINED_BY: Short\n val
DOCUMENT_POSITION_IMPLEMENTATION_SPECIFIC: Short\n }\n}"/\n\n * Copyright 2010-2019
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\n// NOTE: THIS FILE IS AUTO-
GENERATED, DO NOT EDIT!\n\n// See github.com/kotlin/dukat for details\n\npackage org.w3c.files\n\nimport
kotlin.js.*\nimport org.khronos.webgl.*\nimport org.w3c.css.masking.*\nimport org.w3c.dom.*\nimport
org.w3c.dom.clipboard.*\nimport org.w3c.dom.css.*\nimport org.w3c.dom.events.*\nimport
org.w3c.dom.mediacapture.*\nimport org.w3c.dom.parsing.*\nimport org.w3c.dom.pointerevents.*\nimport
org.w3c.dom.svg.*\nimport org.w3c.dom.url.*\nimport org.w3c.fetch.*\nimport org.w3c.notifications.*\nimport
org.w3c.performance.*\nimport org.w3c.workers.*\nimport org.w3c.xr.*\n\n/**\n * Exposes the JavaScript
[Blob](https://developer.mozilla.org/en/docs/Web/API/Blob) to Kotlin\n\npublic external open class
Blob(blobParts: Array<dynamic> = definedExternally, options: BlobPropertyBag = definedExternally) :
ImageBitmapSource {\n open val size: Number\n open val type: String\n open val isClosed: Boolean\n fun
slice(start: Int = definedExternally, end: Int = definedExternally, contentType: String = definedExternally): Blob\n
fun close()\n}\n\npublic external interface BlobPropertyBag {\n var type: String? /* = \"\" */\n get() =
definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
BlobPropertyBag(type: String? = \"\"): BlobPropertyBag {\n val o = js(\"({})\")\n o[\"type\"] = type\n return
o\n}\n\n/**\n * Exposes the JavaScript [File](https://developer.mozilla.org/en/docs/Web/API/File) to Kotlin\n\n
public external open class File(fileBits: Array<dynamic>, fileName: String, options: FilePropertyBag =
definedExternally) : Blob {\n open val name: String\n open val lastModified: Int\n}\n\npublic external interface
FilePropertyBag : BlobPropertyBag {\n var lastModified: Int?\n get() = definedExternally\n set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun FilePropertyBag(lastModified: Int? =
undefined, type: String? = \"\"): FilePropertyBag {\n val o = js(\"({})\")\n o[\"lastModified\"] = lastModified\n
o[\"type\"] = type\n return o\n}\n\n/**\n * Exposes the JavaScript
[FileList](https://developer.mozilla.org/en/docs/Web/API/FileList) to Kotlin\n\npublic external abstract class

```

```

FileList : ItemArrayLike<File> {
    override fun item(index: Int): File?
}
@kotlin.internal.InlineOnly
public inline operator fun FileList.get(index: Int): File? = asDynamic()[index]
/** Exposes the JavaScript [FileReader](https://developer.mozilla.org/en/docs/Web/API/FileReader) to Kotlin
*/
public external open class FileReader : EventTarget {
    open val readyState: Short
    open val result: dynamic
    open val error: dynamic
    var onloadstart: ((ProgressEvent) -> dynamic)?
    var onprogress: ((ProgressEvent) -> dynamic)?
    var onload: ((Event) -> dynamic)?
    var onabort: ((Event) -> dynamic)?
    var onerror: ((Event) -> dynamic)?
    var onloadend: ((Event) -> dynamic)?
    fun readAsArrayBuffer(blob: Blob)
    fun readAsBinaryString(blob: Blob)
    fun readAsText(blob: Blob, label: String = definedExternally)
    fun readAsDataURL(blob: Blob)
    fun abort()
}
companion object {
    val EMPTY: Short
    val LOADING: Short
    val DONE: Short
}
/** Exposes the JavaScript [FileReaderSync](https://developer.mozilla.org/en/docs/Web/API/FileReaderSync) to Kotlin
*/
public external open class FileReaderSync {
    fun readAsArrayBuffer(blob: Blob): ArrayBuffer
    fun readAsBinaryString(blob: Blob): String
    fun readAsText(blob: Blob, label: String = definedExternally): String
    fun readAsDataURL(blob: Blob): String
}
/** Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.
*/
Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
NOTE: THIS FILE IS AUTO-GENERATED, DO NOT EDIT!
See github.com/kotlin/dukat for details
package org.w3c.notifications
import kotlin.js.*
import org.khronos.webgl.*
import org.w3c.css.masking.*
import org.w3c.dom.*
import org.w3c.dom.clipboard.*
import org.w3c.dom.css.*
import org.w3c.dom.events.*
import org.w3c.dom.mediacapture.*
import org.w3c.dom.parsing.*
import org.w3c.dom.pointerevents.*
import org.w3c.dom.svg.*
import org.w3c.dom.url.*
import org.w3c.fetch.*
import org.w3c.files.*
import org.w3c.performance.*
import org.w3c.workers.*
import org.w3c.xhr.*
/** Exposes the JavaScript [Notification](https://developer.mozilla.org/en/docs/Web/API/Notification) to Kotlin
*/
public external open class Notification(title: String, options: NotificationOptions = definedExternally) : EventTarget {
    var onclick: ((MouseEvent) -> dynamic)?
    var onerror: ((Event) -> dynamic)?
    open val title: String
    open val dir: NotificationDirection
    open val lang: String
    open val body: String
    open val tag: String
    open val image: String
    open val icon: String
    open val badge: String
    open val sound: String
    open val vibrate: Array<out Int>
    open val timestamp: Number
    open val renotify: Boolean
    open val silent: Boolean
    open val noscreen: Boolean
    open val requireInteraction: Boolean
    open val sticky: Boolean
    open val data: Any?
    open val actions: Array<out NotificationAction>
    fun close()
}
companion object {
    val permission: NotificationPermission
    val maxActions: Int
    fun requestPermission(deprecatedCallback: (NotificationPermission) -> Unit = definedExternally): Promise<NotificationPermission>
}
public external interface NotificationOptions {
    var dir: NotificationDirection? /* = NotificationDirection.AUTO */
    get() = definedExternally
    set(value) = definedExternally
    var lang: String? /* = "" */
    get() = definedExternally
    set(value) = definedExternally
    var body: String? /* = "" */
    get() = definedExternally
    set(value) = definedExternally
    var tag: String? /* = "" */
    get() = definedExternally
    set(value) = definedExternally
    var image: String?
    get() = definedExternally
    set(value) = definedExternally
    var icon: String?
    get() = definedExternally
    set(value) = definedExternally
    var badge: String?
    get() = definedExternally
    set(value) = definedExternally
    var sound: String?
    get() = definedExternally
    set(value) = definedExternally
    var vibrate: dynamic
    get() = definedExternally
    set(value) = definedExternally
    var timestamp: Number?
    get() = definedExternally
    set(value) = definedExternally
    var renotify: Boolean? /* = false */
    get() = definedExternally
    set(value) = definedExternally
    var silent: Boolean? /* = false */
    get() = definedExternally
    set(value) = definedExternally
    var noscreen: Boolean? /* = false */
    get() = definedExternally
    set(value) = definedExternally
    var requireInteraction: Boolean? /* = false */
    get() = definedExternally
    set(value) = definedExternally
    var sticky: Boolean? /* = false */
    get() = definedExternally
    set(value) = definedExternally
    var data: Any? /* = null */
    get() = definedExternally
    set(value) = definedExternally
    var actions: Array<NotificationAction>? /* = arrayOf()

```

```

*/\n    get() = definedExternally\n    set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun NotificationOptions(dir: NotificationDirection? = NotificationDirection.AUTO, lang: String? = "", body: String? = "", tag: String? = "", image: String? = undefined, icon: String? = undefined, badge: String? = undefined, sound: String? = undefined, vibrate: dynamic = undefined, timestamp: Number? = undefined, renotify: Boolean? = false, silent: Boolean? = false, noscreen: Boolean? = false, requireInteraction: Boolean? = false, sticky: Boolean? = false, data: Any? = null, actions: Array<NotificationAction>? = arrayOf()): NotificationOptions {\n    val o = js("{}")\n    o["dir"] = dir\n    o["lang"] = lang\n    o["body"] = body\n    o["tag"] = tag\n    o["image"] = image\n    o["icon"] = icon\n    o["badge"] = badge\n    o["sound"] = sound\n    o["vibrate"] = vibrate\n    o["timestamp"] = timestamp\n    o["renotify"] = renotify\n    o["silent"] = silent\n    o["noscreen"] = noscreen\n    o["requireInteraction"] = requireInteraction\n    o["sticky"] = sticky\n    o["data"] = data\n    o["actions"] = actions\n    return o\n}\n\npublic external interface NotificationAction {\n    var action: String?\n    get() = definedExternally\n    set(value) = definedExternally\n    var title: String?\n    get() = definedExternally\n    set(value) = definedExternally\n    var icon: String?\n    get() = definedExternally\n    set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun NotificationAction(action: String?, title: String?, icon: String? = undefined): NotificationAction {\n    val o = js("{}")\n    o["action"] = action\n    o["title"] = title\n    o["icon"] = icon\n    return o\n}\n\npublic external interface GetNotificationOptions {\n    var tag: String? /* = "" */\n    get() = definedExternally\n    set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun GetNotificationOptions(tag: String? = ""): GetNotificationOptions {\n    val o = js("{}")\n    o["tag"] = tag\n    return o\n}\n\n/**\n * Exposes the JavaScript [NotificationEvent](https://developer.mozilla.org/en/docs/Web/API/NotificationEvent) to Kotlin\n */\n\npublic external open class NotificationEvent(type: String, eventInitDict: NotificationEventInit) : ExtendableEvent {\n    open val notification: Notification\n    open val action: String\n\n    companion object {\n        val NONE: Short\n        val CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val BUBBLING_PHASE: Short\n    }\n}\n\npublic external interface NotificationEventInit : ExtendableEventInit {\n    var notification: Notification?\n    get() = definedExternally\n    set(value) = definedExternally\n    var action: String? /* = "" */\n    get() = definedExternally\n    set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun NotificationEventInit(notification: Notification?, action: String? = "", bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): NotificationEventInit {\n    val o = js("{}")\n    o["notification"] = notification\n    o["action"] = action\n    o["bubbles"] = bubbles\n    o["cancelable"] = cancelable\n    o["composed"] = composed\n    return o\n}\n\n/* please, don't implement this interface!\n */\n\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface NotificationPermission {\n    companion object\n}\n\npublic inline val NotificationPermission.Companion.DEFAULT: NotificationPermission get() = "default".asDynamic().unsafeCast<NotificationPermission>()\n\npublic inline val NotificationPermission.Companion.DENIED: NotificationPermission get() = "denied".asDynamic().unsafeCast<NotificationPermission>()\n\npublic inline val NotificationPermission.Companion.GRANTED: NotificationPermission get() = "granted".asDynamic().unsafeCast<NotificationPermission>()\n\n/* please, don't implement this interface!\n */\n\n@Suppress("NESTED_CLASS_IN_EXTERNAL_INTERFACE")\npublic external interface NotificationDirection {\n    companion object\n}\n\npublic inline val NotificationDirection.Companion.AUTO: NotificationDirection get() = "auto".asDynamic().unsafeCast<NotificationDirection>()\n\npublic inline val NotificationDirection.Companion.LTR: NotificationDirection get() = "ltr".asDynamic().unsafeCast<NotificationDirection>()\n\npublic inline val NotificationDirection.Companion.RTL: NotificationDirection get() = "rtl".asDynamic().unsafeCast<NotificationDirection>()\n\n/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n/* NOTE: THIS FILE IS AUTO-GENERATED, DO NOT EDIT! */\n
```

See github.com/kotlin/dukat for details

```

package org.w3c.workers
import kotlin.js.*
import org.khronos.webgl.*
import org.w3c.css.masking.*
import org.w3c.dom.*
import org.w3c.dom.clipboard.*
import org.w3c.dom.css.*
import org.w3c.dom.events.*
import org.w3c.dom.mediacapture.*
import org.w3c.dom.parsing.*
import org.w3c.dom.pointerevents.*
import org.w3c.dom.svg.*
import org.w3c.dom.url.*
import org.w3c.fetch.*
import org.w3c.files.*
import org.w3c.notifications.*
import org.w3c.performance.*
import org.w3c.xhr.*

```

* Exposes the JavaScript [ServiceWorker](<https://developer.mozilla.org/en/docs/Web/API/ServiceWorker>) to Kotlin

```

public external abstract class ServiceWorker : EventTarget, AbstractWorker, UnionMessagePortOrServiceWorker,
UnionClientOrMessagePortOrServiceWorker {
    open val scriptURL: String
    open val state: ServiceWorkerState
    open var onstatechange: ((Event) -> dynamic)?
    fun postMessage(message: Any?, transfer: Array<dynamic> = definedExternally)
}

```

* Exposes the JavaScript [ServiceWorkerRegistration](<https://developer.mozilla.org/en/docs/Web/API/ServiceWorkerRegistration>) to Kotlin

```

public external abstract class ServiceWorkerRegistration : EventTarget {
    open val installing: ServiceWorker?
    open val waiting: ServiceWorker?
    open val active: ServiceWorker?
    open val scope: String
    open var onupdatefound: ((Event) -> dynamic)?
    open val APISpace: dynamic
    fun update(): Promise<Unit>
    fun unregister(): Promise<Boolean>
    fun showNotification(title: String, options: NotificationOptions = definedExternally): Promise<Unit>
    fun getNotifications(filter: GetNotificationOptions = definedExternally): Promise<Array<Notification>>
    fun methodName(): Promise<dynamic>
}

```

* Exposes the JavaScript [ServiceWorkerContainer](<https://developer.mozilla.org/en/docs/Web/API/ServiceWorkerContainer>) to Kotlin

```

public external abstract class ServiceWorkerContainer : EventTarget {
    open val controller: ServiceWorker?
    open val ready: Promise<ServiceWorkerRegistration>
    open var oncontrollerchange: ((Event) -> dynamic)?
    open var onmessage: ((MessageEvent) -> dynamic)?
    fun register(scriptURL: String, options: RegistrationOptions = definedExternally): Promise<ServiceWorkerRegistration>
    fun getRegistration(clientURL: String = definedExternally): Promise<Any?>
    fun getRegistrations(): Promise<Array<ServiceWorkerRegistration>>
    fun startMessages()
}

```

public external interface RegistrationOptions {
 var scope: String?
 get() = definedExternally
 set(value) = definedExternally
 var type: WorkerType? /* = WorkerType.CLASSIC */
 get() = definedExternally
 set(value) = definedExternally
}
@kotlin.internal.InlineOnly
public inline fun RegistrationOptions(scope: String? = undefined, type: WorkerType? = WorkerType.CLASSIC): RegistrationOptions {
 val o = js("{}")
 o["scope"] = scope
 o["type"] = type
 return o
}

* Exposes the JavaScript [ServiceWorkerMessageEvent](<https://developer.mozilla.org/en/docs/Web/API/ServiceWorkerMessageEvent>) to Kotlin

```

public external open class ServiceWorkerMessageEvent(type: String, eventInitDict: ServiceWorkerMessageEventInit = definedExternally) : Event {
    open val data: Any?
    open val origin: String
    open val lastEventId: String
    open val source: UnionMessagePortOrServiceWorker?
    open val ports: Array<out MessagePort>?
    companion object {
        val NONE: Short
        val CAPTURING_PHASE: Short
        val AT_TARGET: Short
        val BUBBLING_PHASE: Short
    }
    public external interface ServiceWorkerMessageEventInit : EventInit {
        var data: Any?
        get() = definedExternally
        set(value) = definedExternally
        var origin: String?
        get() = definedExternally
        set(value) = definedExternally
        var lastEventId: String?
        get() = definedExternally
        set(value) = definedExternally
        var source: UnionMessagePortOrServiceWorker?
        get() = definedExternally
        set(value) = definedExternally
        var ports: Array<MessagePort>?
        get() = definedExternally
        set(value) = definedExternally
    }
    @kotlin.internal.InlineOnly
    public inline fun ServiceWorkerMessageEventInit(data: Any? = undefined, origin: String? = undefined, lastEventId: String? = undefined, source: UnionMessagePortOrServiceWorker? = undefined, ports: Array<MessagePort>? = undefined, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): ServiceWorkerMessageEventInit {
        val o = js("{}")
        o["data"] = data
        o["origin"] = origin
        o["lastEventId"] = lastEventId
        o["source"] = source
        o["ports"] = ports
        o["bubbles"] = bubbles
        o["cancelable"] = cancelable
        o["composed"] =
    }
}

```

```

composed\n    return o\n}\n\n/**\n * Exposes the JavaScript
[ServiceWorkerGlobalScope](https://developer.mozilla.org/en/docs/Web/API/ServiceWorkerGlobalScope) to
Kotlin\n */\npublic external abstract class ServiceWorkerGlobalScope : WorkerGlobalScope {\n    open val clients:
Clients\n    open val registration: ServiceWorkerRegistration\n    open var oninstall: ((Event) -> dynamic)?\n    open
var onactivate: ((Event) -> dynamic)?\n    open var onfetch: ((FetchEvent) -> dynamic)?\n    open var
onforeignfetch: ((Event) -> dynamic)?\n    open var onmessage: ((MessageEvent) -> dynamic)?\n    open var
onnotificationclick: ((NotificationEvent) -> dynamic)?\n    open var onnotificationclose: ((NotificationEvent) ->
dynamic)?\n    open var onfunctionalevent: ((Event) -> dynamic)?\n    fun skipWaiting():
Promise<Unit>\n}\n\n/**\n * Exposes the JavaScript
[Client](https://developer.mozilla.org/en/docs/Web/API/Client) to Kotlin\n */\npublic external abstract class Client :
UnionClientOrMessagePortOrServiceWorker {\n    open val url: String\n    open val frameType: FrameType\n
open val id: String\n    fun postMessage(message: Any?, transfer: Array<dynamic> = definedExternally)\n}\n\n/**\n
 * Exposes the JavaScript [WindowClient](https://developer.mozilla.org/en/docs/Web/API/WindowClient) to
Kotlin\n */\npublic external abstract class WindowClient : Client {\n    open val visibilityState: dynamic\n    open
val focused: Boolean\n    fun focus(): Promise<WindowClient>\n    fun navigate(url: String):
Promise<WindowClient>\n}\n\n/**\n * Exposes the JavaScript
[Clients](https://developer.mozilla.org/en/docs/Web/API/Clients) to Kotlin\n */\npublic external abstract class
Clients {\n    fun get(id: String): Promise<Any?>\n    fun matchAll(options: ClientQueryOptions =
definedExternally): Promise<Array<Client>>\n    fun openWindow(url: String): Promise<WindowClient?>\n    fun
claim(): Promise<Unit>\n}\n\npublic external interface ClientQueryOptions {\n    var includeUncontrolled:
Boolean? /* = false */\n    get() = definedExternally\n    set(value) = definedExternally\n    var type:
ClientType? /* = ClientType.WINDOW */\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ClientQueryOptions(includeUncontrolled:
Boolean? = false, type: ClientType? = ClientType.WINDOW): ClientQueryOptions {\n    val o = js("{}")\n
o["includeUncontrolled"] = includeUncontrolled\n    o["type"] = type\n    return o\n}\n\n/**\n * Exposes the
JavaScript [ExtendableEvent](https://developer.mozilla.org/en/docs/Web/API/ExtendableEvent) to Kotlin\n
*/\npublic external open class ExtendableEvent(type: String, eventInitDict: ExtendableEventInit =
definedExternally) : Event {\n    fun waitUntil(f: Promise<Any?>)\n\n    companion object {\n        val NONE:
Short\n        val CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val BUBBLING_PHASE:
Short\n    }\n}\n\npublic external interface ExtendableEventInit : EventInit\n\n@kotlin.internal.InlineOnly\npublic
inline fun ExtendableEventInit(bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? =
false): ExtendableEventInit {\n    val o = js("{}")\n    o["bubbles"] = bubbles\n    o["cancelable"] =
cancelable\n    o["composed"] = composed\n    return o\n}\n\n/**\n * Exposes the JavaScript
[InstallEvent](https://developer.mozilla.org/en/docs/Web/API/InstallEvent) to Kotlin\n */\npublic external open
class InstallEvent(type: String, eventInitDict: ExtendableEventInit = definedExternally) : ExtendableEvent {\n    fun
registerForeignFetch(options: ForeignFetchOptions)\n\n    companion object {\n        val NONE: Short\n        val
CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val BUBBLING_PHASE: Short\n    }\n}\n\npublic external interface ForeignFetchOptions {\n    var scopes: Array<String>?\n    get() =
definedExternally\n    set(value) = definedExternally\n    var origins: Array<String>?\n    get() =
definedExternally\n    set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
ForeignFetchOptions(scopes: Array<String>?, origins: Array<String>?): ForeignFetchOptions {\n    val o =
js("{}")\n    o["scopes"] = scopes\n    o["origins"] = origins\n    return o\n}\n\n/**\n * Exposes the JavaScript
[FetchEvent](https://developer.mozilla.org/en/docs/Web/API/FetchEvent) to Kotlin\n */\npublic external open class
FetchEvent(type: String, eventInitDict: FetchEventInit) : ExtendableEvent {\n    open val request: Request\n    open
val clientId: String?\n    open val isReload: Boolean\n    fun respondWith(r: Promise<Response>)\n\n    companion
object {\n        val NONE: Short\n        val CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val
BUBBLING_PHASE: Short\n    }\n}\n\npublic external interface FetchEventInit : ExtendableEventInit {\n    var
request: Request?\n    get() = definedExternally\n    set(value) = definedExternally\n    var clientId: String? /* =

```

```

null */\n    get() = definedExternally\n    set(value) = definedExternally\n    var isReload: Boolean? /* = false
*/\n    get() = definedExternally\n    set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic
inline fun FetchEventInit(request: Request?, clientId: String? = null, isReload: Boolean? = false, bubbles: Boolean?
= false, cancelable: Boolean? = false, composed: Boolean? = false): FetchEventInit {\n    val o = js(\`(\{ })\`)
o["request"] = request\n    o["clientId"] = clientId\n    o["isReload"] = isReload\n    o["bubbles"] = bubbles\n
o["cancelable"] = cancelable\n    o["composed"] = composed\n    return o\n}\n\npublic external open class
ForeignFetchEvent(type: String, eventInitDict: ForeignFetchEventInit) : ExtendableEvent {\n    open val request:
Request\n    open val origin: String\n    fun respondWith(r: Promise<ForeignFetchResponse>)\n\n    companion
object {\n        val NONE: Short\n        val CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val
BUBBLING_PHASE: Short\n    }\n}\n\npublic external interface ForeignFetchEventInit : ExtendableEventInit {\n
var request: Request?\n    get() = definedExternally\n    set(value) = definedExternally\n    var origin: String? /*
= "null" */\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ForeignFetchEventInit(request: Request?,
origin: String? = "null", bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false):
ForeignFetchEventInit {\n    val o = js(\`(\{ })\`)
o["request"] = request\n    o["origin"] = origin\n
o["bubbles"] = bubbles\n    o["cancelable"] = cancelable\n    o["composed"] = composed\n    return
o\n}\n\npublic external interface ForeignFetchResponse {\n    var response: Response?\n    get() =
definedExternally\n    set(value) = definedExternally\n    var origin: String?\n    get() = definedExternally\n
set(value) = definedExternally\n    var headers: Array<String>?\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ForeignFetchResponse(response:
Response?, origin: String? = undefined, headers: Array<String>? = undefined): ForeignFetchResponse {\n    val o =
js(\`(\{ })\`)
o["response"] = response\n    o["origin"] = origin\n    o["headers"] = headers\n    return
o\n}\n\n/**\n * Exposes the JavaScript
[ExtendableMessageEvent](https://developer.mozilla.org/en/docs/Web/API/ExtendableMessageEvent) to Kotlin\n
*/\npublic external open class ExtendableMessageEvent(type: String, eventInitDict: ExtendableMessageEventInit =
definedExternally) : ExtendableEvent {\n    open val data: Any?\n    open val origin: String\n    open val lastEventId:
String\n    open val source: UnionClientOrMessagePortOrServiceWorker?\n    open val ports: Array<out
MessagePort>?\n\n    companion object {\n        val NONE: Short\n        val CAPTURING_PHASE: Short\n        val
AT_TARGET: Short\n        val BUBBLING_PHASE: Short\n    }\n}\n\npublic external interface
ExtendableMessageEventInit : ExtendableEventInit {\n    var data: Any?\n    get() = definedExternally\n
set(value) = definedExternally\n    var origin: String?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var lastEventId: String?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var source: UnionClientOrMessagePortOrServiceWorker?\n    get() = definedExternally\n
set(value) = definedExternally\n    var ports: Array<MessagePort>?\n    get() = definedExternally\n
set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
ExtendableMessageEventInit(data: Any? = undefined, origin: String? = undefined, lastEventId: String? = undefined,
source: UnionClientOrMessagePortOrServiceWorker? = undefined, ports: Array<MessagePort>? = undefined,
bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): ExtendableMessageEventInit
{\n    val o = js(\`(\{ })\`)
o["data"] = data\n    o["origin"] = origin\n    o["lastEventId"] = lastEventId\n
o["source"] = source\n    o["ports"] = ports\n    o["bubbles"] = bubbles\n    o["cancelable"] = cancelable\n
o["composed"] = composed\n    return o\n}\n\n/**\n * Exposes the JavaScript
[Cache](https://developer.mozilla.org/en/docs/Web/API/Cache) to Kotlin\n
*/\npublic external abstract class Cache
{\n    fun match(request: dynamic, options: CacheQueryOptions = definedExternally): Promise<Any?>\n    fun
matchAll(request: dynamic = definedExternally, options: CacheQueryOptions = definedExternally):
Promise<Array<Response>>\n    fun add(request: dynamic): Promise<Unit>\n    fun addAll(requests:
Array<dynamic>): Promise<Unit>\n    fun put(request: dynamic, response: Response): Promise<Unit>\n    fun
delete(request: dynamic, options: CacheQueryOptions = definedExternally): Promise<Boolean>\n    fun
keys(request: dynamic = definedExternally, options: CacheQueryOptions = definedExternally):

```



```

Promise<Array<Request>>\n}\n\npublic external interface CacheQueryOptions {\n    var ignoreSearch: Boolean? /*
= false */\n    get() = definedExternally\n    set(value) = definedExternally\n    var ignoreMethod: Boolean? /* =
false */\n    get() = definedExternally\n    set(value) = definedExternally\n    var ignoreVary: Boolean? /* =
false */\n    get() = definedExternally\n    set(value) = definedExternally\n    var cacheName: String?\n    get() = definedExternally\n    set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun
CacheQueryOptions(ignoreSearch: Boolean? = false, ignoreMethod: Boolean? = false, ignoreVary: Boolean? =
false, cacheName: String? = undefined): CacheQueryOptions {\n    val o = js(\{"{ }\"})\n    o["ignoreSearch"] =
ignoreSearch\n    o["ignoreMethod"] = ignoreMethod\n    o["ignoreVary"] = ignoreVary\n    o["cacheName"] =
cacheName\n    return o\n}\n\npublic external interface CacheBatchOperation {\n    var type: String?\n    get() =
definedExternally\n    set(value) = definedExternally\n    var request: Request?\n    get() = definedExternally\n
    set(value) = definedExternally\n    var response: Response?\n    get() = definedExternally\n    set(value) =
definedExternally\n    var options: CacheQueryOptions?\n    get() = definedExternally\n    set(value) =
definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun CacheBatchOperation(type: String? =
undefined, request: Request? = undefined, response: Response? = undefined, options: CacheQueryOptions? =
undefined): CacheBatchOperation {\n    val o = js(\{"{ }\"})\n    o["type"] = type\n    o["request"] = request\n
o["response"] = response\n    o["options"] = options\n    return o\n}\n\n/**\n * Exposes the JavaScript
[CacheStorage](https://developer.mozilla.org/en/docs/Web/API/CacheStorage) to Kotlin\n */\n\npublic external
abstract class CacheStorage {\n    fun match(request: dynamic, options: CacheQueryOptions = definedExternally):
Promise<Any?>\n    fun has(cacheName: String): Promise<Boolean>\n    fun open(cacheName: String):
Promise<Cache>\n    fun delete(cacheName: String): Promise<Boolean>\n    fun keys():
Promise<Array<String>>\n}\n\npublic external open class FunctionalEvent : ExtendableEvent {\n    companion
object {\n        val NONE: Short\n        val CAPTURING_PHASE: Short\n        val AT_TARGET: Short\n        val
BUBBLING_PHASE: Short\n    }\n}\n\npublic external interface UnionMessagePortOrServiceWorker\n\npublic
external interface UnionClientOrMessagePortOrServiceWorker\n\n/* please, don't implement this interface!
*/\n\n@Suppress(\{"NESTED_CLASS_IN_EXTERNAL_INTERFACE"})\n\npublic external interface
ServiceWorkerState {\n    companion object\n}\n\npublic inline val ServiceWorkerState.Companion.INSTALLING:
ServiceWorkerState get() = "installing".asDynamic().unsafeCast<ServiceWorkerState>()\n\npublic inline val
ServiceWorkerState.Companion.INSTALLED: ServiceWorkerState get() =
"installed".asDynamic().unsafeCast<ServiceWorkerState>()\n\npublic inline val
ServiceWorkerState.Companion.ACTIVATING: ServiceWorkerState get() =
"activating".asDynamic().unsafeCast<ServiceWorkerState>()\n\npublic inline val
ServiceWorkerState.Companion.ACTIVATED: ServiceWorkerState get() =
"activated".asDynamic().unsafeCast<ServiceWorkerState>()\n\npublic inline val
ServiceWorkerState.Companion.REDUNDANT: ServiceWorkerState get() =
"redundant".asDynamic().unsafeCast<ServiceWorkerState>()\n\n/* please, don't implement this interface!
*/\n\n@Suppress(\{"NESTED_CLASS_IN_EXTERNAL_INTERFACE"})\n\npublic external interface FrameType {\n    companion
object\n}\n\npublic inline val FrameType.Companion.AUXILIARY: FrameType get() =
"auxiliary".asDynamic().unsafeCast<FrameType>()\n\npublic inline val FrameType.Companion.TOP_LEVEL:
FrameType get() = "top-level".asDynamic().unsafeCast<FrameType>()\n\npublic inline val
FrameType.Companion.NESTED: FrameType get() = "nested".asDynamic().unsafeCast<FrameType>()\n\npublic
inline val FrameType.Companion.NONE: FrameType get() =
"none".asDynamic().unsafeCast<FrameType>()\n\n/* please, don't implement this interface!
*/\n\n@Suppress(\{"NESTED_CLASS_IN_EXTERNAL_INTERFACE"})\n\npublic external interface ClientType {\n    companion
object\n}\n\npublic inline val ClientType.Companion.WINDOW: ClientType get() =
>window".asDynamic().unsafeCast<ClientType>()\n\npublic inline val ClientType.Companion.WORKER:
ClientType get() = "worker".asDynamic().unsafeCast<ClientType>()\n\npublic inline val
ClientType.Companion.SHAREDWORKER: ClientType get() =
"sharedworker".asDynamic().unsafeCast<ClientType>()\n\npublic inline val ClientType.Companion.ALL:

```

ClientType get() = \"all\".asDynamic().unsafeCast<ClientType>()\";/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n// NOTE: THIS FILE IS AUTO-GENERATED, DO NOT EDIT!\n\n// See github.com/kotlin/dukat for details\n\npackage org.w3c.xhr\n\nimport kotlin.js.*\nimport org.khronos.webgl.*\nimport org.w3c.css.masking.*\nimport org.w3c.dom.*\nimport org.w3c.dom.clipboard.*\nimport org.w3c.dom.css.*\nimport org.w3c.dom.events.*\nimport org.w3c.dom.mediacapture.*\nimport org.w3c.dom.parsing.*\nimport org.w3c.dom.pointerevents.*\nimport org.w3c.dom.svg.*\nimport org.w3c.dom.url.*\nimport org.w3c.fetch.*\nimport org.w3c.files.*\nimport org.w3c.notifications.*\nimport org.w3c.performance.*\nimport org.w3c.workers.*\n\n/**\n * Exposes the JavaScript

[XMLHttpRequestEventTarget](https://developer.mozilla.org/en/docs/Web/API/XMLHttpRequestEventTarget) to Kotlin\n\npublic external abstract class XMLHttpRequestEventTarget : EventTarget {\n open var onloadstart: ((ProgressEvent) -> dynamic)?\n open var onprogress: ((ProgressEvent) -> dynamic)?\n open var onabort: ((Event) -> dynamic)?\n open var onerror: ((Event) -> dynamic)?\n open var onload: ((Event) -> dynamic)?\n open var ontimeout: ((Event) -> dynamic)?\n open var onloadend: ((Event) -> dynamic)?\n}\n\npublic external abstract class XMLHttpRequestUpload : XMLHttpRequestEventTarget\n\n/**\n * Exposes the JavaScript [XMLHttpRequest](https://developer.mozilla.org/en/docs/Web/API/XMLHttpRequest) to Kotlin\n\npublic external open class XMLHttpRequest : XMLHttpRequestEventTarget {\n var onreadystatechange: ((Event) -> dynamic)?\n open val readyState: Short\n var timeout: Int\n var withCredentials: Boolean\n open val upload: XMLHttpRequestUpload\n open val responseURL: String\n open val status: Short\n open val statusText: String\n var responseType: XMLHttpRequestResponseType\n open val response: Any?\n open val responseText: String\n open val responseXML: Document?\n fun open(method: String, url: String)\n fun open(method: String, url: String, async: Boolean, username: String? = definedExternally, password: String? = definedExternally)\n fun setRequestHeader(name: String, value: String)\n fun send(body: dynamic = definedExternally)\n fun abort()\n fun getResponseHeader(name: String): String?\n fun getAllResponseHeaders(): String\n fun overrideMimeType(mime: String)\n}\n\ncompanion object {\n val UNSENT: Short\n val OPENED: Short\n val HEADERS_RECEIVED: Short\n val LOADING: Short\n val DONE: Short\n}\n\n/**\n * Exposes the JavaScript

[FormData](https://developer.mozilla.org/en/docs/Web/API/FormData) to Kotlin\n\npublic external open class FormData(form: HTMLFormElement = definedExternally) {\n fun append(name: String, value: String)\n fun append(name: String, value: Blob, filename: String = definedExternally)\n fun delete(name: String)\n fun get(name: String): dynamic\n fun getAll(name: String): Array<dynamic>\n fun has(name: String): Boolean\n fun set(name: String, value: String)\n fun set(name: String, value: Blob, filename: String = definedExternally)\n}\n\n/**\n * Exposes the JavaScript

[ProgressEvent](https://developer.mozilla.org/en/docs/Web/API/ProgressEvent) to Kotlin\n\npublic external open class ProgressEvent(type: String, eventInitDict: ProgressEventInit = definedExternally) : Event {\n open val lengthComputable: Boolean\n open val loaded: Number\n open val total: Number\n}\n\ncompanion object {\n val NONE: Short\n val CAPTURING_PHASE: Short\n val AT_TARGET: Short\n val BUBBLING_PHASE: Short\n}\n\npublic external interface ProgressEventInit : EventInit {\n var lengthComputable: Boolean? /* = false */\n get() = definedExternally\n set(value) = definedExternally\n var loaded: Number? /* = 0 */\n get() = definedExternally\n set(value) = definedExternally\n var total: Number? /* = 0 */\n get() = definedExternally\n set(value) = definedExternally\n}\n\n@kotlin.internal.InlineOnly\npublic inline fun ProgressEventInit(lengthComputable: Boolean? = false, loaded: Number? = 0, total: Number? = 0, bubbles: Boolean? = false, cancelable: Boolean? = false, composed: Boolean? = false): ProgressEventInit {\n val o = js(\"({})\")\n o[\"lengthComputable\"] = lengthComputable\n o[\"loaded\"] = loaded\n o[\"total\"] = total\n o[\"bubbles\"] = bubbles\n o[\"cancelable\"] = cancelable\n o[\"composed\"] = composed\n return o\n}\n\n/** please, don't implement this interface! */\n@Suppress(\"NESTED_CLASS_IN_EXTERNAL_INTERFACE\")\npublic external interface

```
XMLHttpRequestResponseType {  
    companion object  
}\n\npublic inline val  
XMLHttpRequestResponseType.Companion.EMPTY: XMLHttpRequestResponseType get() =  
    \"\".asDynamic().unsafeCast<XMLHttpRequestResponseType>()\n\npublic inline val  
XMLHttpRequestResponseType.Companion.ARRAYBUFFER: XMLHttpRequestResponseType get() =  
    \"arraybuffer\".asDynamic().unsafeCast<XMLHttpRequestResponseType>()\n\npublic inline val  
XMLHttpRequestResponseType.Companion.BLOB: XMLHttpRequestResponseType get() =  
    \"blob\".asDynamic().unsafeCast<XMLHttpRequestResponseType>()\n\npublic inline val  
XMLHttpRequestResponseType.Companion.DOCUMENT: XMLHttpRequestResponseType get() =  
    \"document\".asDynamic().unsafeCast<XMLHttpRequestResponseType>()\n\npublic inline val  
XMLHttpRequestResponseType.Companion.JSON: XMLHttpRequestResponseType get() =  
    \"json\".asDynamic().unsafeCast<XMLHttpRequestResponseType>()\n\npublic inline val  
XMLHttpRequestResponseType.Companion.TEXT: XMLHttpRequestResponseType get() =  
    \"text\".asDynamic().unsafeCast<XMLHttpRequestResponseType>()\", \"/*\n * Copyright 2010-2018 JetBrains s.r.o.  
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license  
that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin\n\nimport  
kotlin.annotation.AnnotationRetention.BINARY\n\nimport kotlin.annotation.AnnotationRetention.SOURCE\n\nimport kotlin.annotation.AnnotationTarget.*\n\nimport kotlin.internal.RequireKotlin\n\nimport kotlin.internal.RequireKotlinVersionKind\n\nimport kotlin.reflect.KClass\n\n/**\n * Signals that the annotated  
annotation class is a marker of an experimental API.\n * Any declaration annotated with that marker is  
considered an experimental declaration  
and its call sites should accept the experimental aspect of it either by  
using [UseExperimental],  
or by being annotated with that marker themselves, effectively causing further  
propagation of that experimental aspect.  
This class is experimental itself and can only be used with the  
compiler argument -Xuse-experimental=kotlin.Experimental.  
*\n * @Target(ANNOTATION_CLASS)\n * @Retention(BINARY)\n * @SinceKotlin("1.2")\n * @RequireKotlin("1.2.50")\n */  
@ExperimentalStdlibApi  
@Retention(BINARY)\n@Target(ANNOTATION_CLASS, ANNOTATION_CLASS_MEMBER)  
public annotation class Experimental(val level: Level = Level.ERROR) {\n    /**\n     * Severity of the diagnostic that  
should be reported on usages of experimental API which did not explicitly accept the experimental aspect  
of that API either by using [UseExperimental] or by being annotated with the corresponding marker annotation.  
*\n     * @public enum class Level {\n     *     /** Specifies that a warning should be reported on incorrect usages of this  
experimental API. */  
    WARNING,\n     *     /** Specifies that an error should be reported on incorrect usages of  
this experimental API. */  
    ERROR,\n     *     }  
*\n     * Allows to use experimental API denoted by the given  
markers in the annotated file, declaration, or expression.  
*\n     * If a declaration is annotated with [UseExperimental], its  
usages are not required to opt-in to that experimental API.  
*\n     * This class is experimental itself and can only  
be used with the compiler argument -Xuse-experimental=kotlin.Experimental.  
*\n     * @Target(CLASS,  
PROPERTY, LOCAL_VARIABLE, VALUE_PARAMETER, CONSTRUCTOR, FUNCTION,  
PROPERTY_GETTER, PROPERTY_SETTER, EXPRESSION, FILE,  
TYPEALIAS)\n     * @Retention(SOURCE)\n     * @SinceKotlin("1.2")\n     * @RequireKotlin("1.2.50")\n     * @Retention(BINARY)\n     * @SinceKotlin("1.2")\n     * @RequireKotlinVersionKind.COMPILER_VERSION)\n     */  
public annotation class UseExperimental(\n    vararg val  
markerClass: KClass<out Annotation>)\n\n    /**\n     * Allows to use experimental API denoted by the given  
markers in the annotated file, declaration, or expression.  
*\n     * If a declaration is annotated with [UseExperimental], its  
usages are not required to opt-in to that experimental API.  
*\n     * This class is experimental itself and can only  
be used with the compiler argument -Xuse-experimental=kotlin.Experimental.  
*\n     * @Target(CLASS,  
PROPERTY, LOCAL_VARIABLE, VALUE_PARAMETER, CONSTRUCTOR, FUNCTION,  
PROPERTY_GETTER, PROPERTY_SETTER, EXPRESSION, FILE,  
TYPEALIAS)\n     * @Retention(BINARY)\n     * @SinceKotlin("1.2")\n     * @RequireKotlin("1.2.50")\n     * @Retention(BINARY)\n     * @SinceKotlin("1.2")\n     * @RequireKotlinVersionKind.COMPILER_VERSION)\n     */  
internal annotation class WasExperimental(\n    vararg val markerClass:  
KClass<out Annotation>)\n\n    /**\n     * This  
annotation marks the standard library API that is considered experimental and is not subject to the  
[general compatibility guarantees](https://kotlinlang.org/docs/reference/evolution/components-stability.html)  
given for the  
standard library:  
the behavior of such API may be changed or the API may be removed completely in any  
further release.  
*\n     * Beware using the annotated API especially if you're developing a library, since your library  
might become binary incompatible  
with the future versions of the standard library.  
*\n     * Any usage of a  
declaration annotated with @ExperimentalStdlibApi must be accepted either by  
annotating that usage with the
```

[UseExperimental] annotation, e.g. `@UseExperimental(ExperimentalStdlibApi::class)`,¹ or by using the compiler argument `-Xuse-experimental=kotlin.ExperimentalStdlibApi`.²

```

@Retention(AnnotationRetention.BINARY)
@Target(
    CLASS,
    ANNOTATION_CLASS,
    PROPERTY,
    FIELD,
    LOCAL_VARIABLE,
    VALUE_PARAMETER,
    CONSTRUCTOR,
    FUNCTION,
    PROPERTY_GETTER,
    PROPERTY_SETTER,
    TYPE_ALIAS)
@MustBeDocumented
@ExperimentalStdlibApi
@SinceKotlin("1.3") // TODO: Remove experimental status from itself and advance SinceKotlin to 1.4
public annotation class ExperimentalStdlibApi
"/**
 * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.
 * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
 */
package kotlin
import kotlin.annotation.AnnotationTarget.*
import kotlin.experimental.ExperimentalTypeInference
/**
 * Allows to infer generic type arguments of a function from the calls in the annotated function parameter of that function.
 * When this annotation is placed on a generic function parameter of a function, it enables to infer the type arguments of that generic function from the lambda body passed to that parameter.
 * The calls that affect inference are either members of the receiver type of an annotated function parameter or extensions for that type. The extensions must be themselves annotated with @BuilderInference.
 * Example: we declare
 * fun <T> sequence(@BuilderInference block: suspend SequenceScope<T>().-> Unit): Sequence<T>
 * and use it like
 * val result = sequence {
 *     yield("result")
 * }
 * Here the type argument of the resulting sequence is inferred to `String` from the argument of the [SequenceScope.yield] function, that is called inside the lambda passed to [sequence].
 * Note: this annotation is experimental, see [ExperimentalTypeInference] on how to opt-in for it.
 */
@Target(VALUE_PARAMETER, FUNCTION, PROPERTY)
@Retention(AnnotationRetention.BINARY)
@SinceKotlin("1.3")
@ExperimentalTypeInference
public annotation class BuilderInference
"/**
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 * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
 */
package kotlin
import kotlin.annotation.AnnotationTarget.*
import kotlin.internal.RequireKotlin
import kotlin.internal.RequireKotlinVersionKind
/**
 * The experimental multiplatform support API marker.
 * Any usage of a declaration annotated with @ExperimentalMultiplatform must be accepted either by annotating that usage with the [UseExperimental] annotation, e.g. @UseExperimental(ExperimentalMultiplatform::class), or by using the compiler argument -Xuse-experimental=kotlin.ExperimentalMultiplatform.
 */
@Experimental
@MustBeDocumented
@Target(
    CLASS,
    ANNOTATION_CLASS,
    PROPERTY,
    FIELD,
    LOCAL_VARIABLE,
    VALUE_PARAMETER,
    CONSTRUCTOR,
    FUNCTION,
    PROPERTY_GETTER,
    PROPERTY_SETTER,
    TYPE_ALIAS)
@Retention(AnnotationRetention.BINARY)
@RequireKotlin("1.2.50", versionKind = RequireKotlinVersionKind.COMPILER_VERSION)
public annotation class ExperimentalMultiplatform
/**
 * Marks an expected annotation class that it isn't required to have actual counterparts in all platforms.
 * This annotation is only applicable to `expect` annotation classes in multi-platform projects and marks that class as `optional`.
 * Optional expected class is allowed to have no corresponding actual class on the platform. Optional annotations can only be used to annotate something, not as types in signatures. If an optional annotation has no corresponding actual class on a platform, the annotation entries where it's used are simply erased when compiling code on that platform.
 * Note: this annotation is experimental, see [ExperimentalMultiplatform] on how to opt-in for it.
 */
@Target(ANNOTATION_CLASS)
@Retention(AnnotationRetention.BINARY)
@ExperimentalMultiplatform
@RequireKotlin("1.2.50", versionKind = RequireKotlinVersionKind.COMPILER_VERSION)
public annotation class OptionalExpectation
"/**
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 * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
 */
package kotlin.collections
import kotlin.js.JsName
/**
 * Provides a skeletal implementation of the read-only [Collection] interface.
 * @param E the type of elements contained in the

```

```

collection. The collection is covariant on its element type.\n *\n@SinceKotlin("1.1")\npublic abstract class
AbstractCollection<out E> protected constructor() : Collection<E> {\n  abstract override val size: Int\n  abstract
override fun iterator(): Iterator<E>\n\n  override fun contains(element: @UnsafeVariance E): Boolean = any { it
== element }\n\n  override fun containsAll(elements: Collection<@UnsafeVariance E>): Boolean =\n  elements.all { contains(it) } // use when js will support bound refs: elements.all(this::contains)\n\n  override fun
isEmpty(): Boolean = size == 0\n\n  override fun toString(): String = joinToString(", ", "[", "]") {\n    if (it
=== this) \"(this Collection)\" else it.toString()\n  }\n\n  /**\n   * Returns new array of type `Array<Any?>` with
the elements of this collection.\n   *\n   @JsName("toArray")\n   protected open fun toArray(): Array<Any?> =
toArrayImpl(this)\n\n   /**\n   * Fills the provided [array] or creates new array of the same type\n   * and
fills it with the elements of this collection.\n   *\n   protected open fun <T> toArray(array: Array<T>): Array<T>
= toArrayImpl(this, array)\n}\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n *\n\npackage kotlin.collections\n\nprivate enum class State {\n  Ready,\n  NotReady,\n  Done,\n  Failed\n}\n\n/**\n * A base class to simplify implementing iterators so that
implementations only have to implement [computeNext]\n * to implement the iterator, calling [done] when the
iteration is complete.\n *\npublic abstract class AbstractIterator<T> : Iterator<T> {\n  private var state =
State.NotReady\n  private var nextValue: T? = null\n\n  override fun hasNext(): Boolean {\n    require(state !=
State.Failed)\n    return when (state) {\n      State.Done -> false\n      State.Ready -> true\n      else ->
tryToComputeNext()\n    }\n  }\n\n  override fun next(): T {\n    if (!hasNext()) throw
NoSuchElementException()\n    state = State.NotReady\n    @Suppress("UNCHECKED_CAST")\n    return nextValue as T\n  }\n\n  private fun tryToComputeNext(): Boolean {\n    state = State.Failed\n    computeNext()\n    return state == State.Ready\n  }\n\n  /**\n   * Computes the next item in the iterator.\n   *\n   * This callback method should call one of these two methods:\n   * * [setNext] with the next value of
the iteration\n   * * [done] to indicate there are no more elements\n   * * Failure to call either method will
result in the iteration terminating with a failed state\n   *\n   abstract protected fun computeNext(): Unit\n\n   /**\n   * Sets the next value in the iteration, called from the [computeNext] function\n   *\n   protected fun
setNext(value: T): Unit {\n    nextValue = value\n    state = State.Ready\n  }\n\n   /**\n   * Sets the state to
done so that the iteration terminates.\n   *\n   protected fun done() {\n    state = State.Done\n  }\n}\n", "/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code
is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\n\n\n * Based on GWT
AbstractList\n * Copyright 2007 Google Inc.\n *\n\npackage kotlin.collections\n\n/**\n * Provides a skeletal
implementation of the read-only [List] interface.\n * *\n * This class is intended to help implementing read-only lists
so it doesn't support concurrent modification tracking.\n * *\n * @param E the type of elements contained in the list.
The list is covariant on its element type.\n *\n@SinceKotlin("1.1")\npublic abstract class AbstractList<out E>
protected constructor() : AbstractCollection<E>(), List<E> {\n  abstract override val size: Int\n  abstract override
fun get(index: Int): E\n\n  override fun iterator(): Iterator<E> = IteratorImpl()\n\n  override fun indexOf(element:
@UnsafeVariance E): Int = indexOfFirst { it == element }\n\n  override fun lastIndexOf(element:
@UnsafeVariance E): Int = indexOfLast { it == element }\n\n  override fun listIterator(): ListIterator<E> =
ListIteratorImpl(0)\n\n  override fun listIterator(index: Int): ListIterator<E> = ListIteratorImpl(index)\n\n  override fun
subList(fromIndex: Int, toIndex: Int): List<E> = SubList(this, fromIndex, toIndex)\n\n  private class
SubList<out E>(private val list: AbstractList<E>, private val fromIndex: Int, toIndex: Int) : AbstractList<E>(),
RandomAccess {\n    private var _size: Int = 0\n\n    init {\n      checkRangeIndexes(fromIndex, toIndex,
list.size)\n      this._size = toIndex - fromIndex\n    }\n\n    override fun get(index: Int): E {\n      checkElementIndex(index, _size)\n      return list[fromIndex + index]\n    }\n\n    override val size: Int
get() = _size\n  }\n\n  /**\n   * Compares this list with other list instance with the ordered structural equality.\n   *\n   * @return true, if [other] instance is a [List] of the same size, which contains the same elements in the same
order.\n   *\n   override fun equals(other: Any?): Boolean {\n    if (other === this) return true\n    if (other !is
List<*>) return false\n\n    return orderedEquals(this, other)\n  }\n\n  /**\n   * Returns the hash code value for

```

```

this list.\n    */\n    override fun hashCode(): Int = orderedHashCode(this)\n\n    private open inner class IteratorImpl
: Iterator<E> {\n        /** the index of the item that will be returned on the next call to [next]`() */\n        protected
var index = 0\n\n        override fun hasNext(): Boolean = index < size\n\n        override fun next(): E {\n            if
(!hasNext()) throw NoSuchElementException()\n            return get(index++)\n        }\n    }\n\n    /**\n     *
Implementation of [ListIterator] for abstract lists.\n    */\n    private open inner class ListIteratorImpl(index: Int) :
IteratorImpl(), ListIterator<E> {\n\n        init {\n            checkPositionIndex(index, this@AbstractList.size)\n
this.index = index\n        }\n\n        override fun hasPrevious(): Boolean = index > 0\n\n        override fun
nextIndex(): Int = index\n\n        override fun previous(): E {\n            if (!hasPrevious()) throw
NoSuchElementException()\n            return get(--index)\n        }\n\n        override fun previousIndex(): Int = index -
1\n    }\n\n    internal companion object {\n        internal fun checkElementIndex(index: Int, size: Int) {\n            if
(index < 0 || index >= size) {\n                throw IndexOutOfBoundsException("index: $index, size: $size")\n            }\n        }\n\n        internal fun checkPositionIndex(index: Int, size: Int) {\n            if (index < 0 || index > size) {\n
                throw IndexOutOfBoundsException("index: $index, size: $size")\n            }\n        }\n\n        internal fun
checkRangeIndexes(fromIndex: Int, toIndex: Int, size: Int) {\n            if (fromIndex < 0 || toIndex > size) {\n
                throw IndexOutOfBoundsException("fromIndex: $fromIndex, toIndex: $toIndex, size: $size")\n            }\n
            if (fromIndex > toIndex) {\n                throw IllegalArgumentException("fromIndex: $fromIndex > toIndex:
$toIndex")\n            }\n        }\n\n        internal fun checkBoundsIndexes(startIndex: Int, endIndex: Int, size: Int) {\n
            if (startIndex < 0 || endIndex > size) {\n                throw IndexOutOfBoundsException("startIndex:
$startIndex, endIndex: $endIndex, size: $size")\n            }\n            if (startIndex > endIndex) {\n                throw
IllegalArgumentException("startIndex: $startIndex > endIndex: $endIndex")\n            }\n        }\n\n        internal
fun orderedHashCode(c: Collection<*>): Int {\n            var hashCode = 1\n            for (e in c) {\n
                hashCode = 31 * hashCode + (e?.hashCode() ?: 0)\n            }\n            return hashCode\n        }\n\n        internal fun
orderedEquals(c: Collection<*>, other: Collection<*>): Boolean {\n            if (c.size != other.size) return false\n\n
            val otherIterator = other.iterator()\n            for (elem in c) {\n                val elemOther = otherIterator.next()\n
                if (elem != elemOther) {\n                    return false\n                }\n            }\n            return true\n        }\n    }\n\n    "/*\n     * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n     * Use of this
source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n     */\n\n     *
Based on GWT AbstractMap\n     * Copyright 2007 Google Inc.\n     */\n\npackage kotlin.collections\n\n/**\n     * Provides
a skeletal implementation of the read-only [Map] interface.\n     *\n     * The implementor is required to implement
[entries] property, which should return read-only set of map entries.\n     *\n     * @param K the type of map keys. The
map is invariant on its key type.\n     *\n     * @param V the type of map values. The map is covariant on its value type.\n
     */\n\n@SinceKotlin("1.1")\npublic abstract class AbstractMap<K, out V> protected constructor() : Map<K, V>
{\n\n    override fun containsKey(key: K): Boolean {\n        return implFindEntry(key) != null\n    }\n\n    override
fun containsValue(value: @UnsafeVariance V): Boolean = entries.any { it.value == value }\n\n    internal fun
containsEntry(entry: Map.Entry<*, *>): Boolean {\n        // since entry comes from @UnsafeVariance parameters it
can be virtually anything\n        if (entry !is Map.Entry<*, *>) return false\n        val key = entry.key\n        val value
= entry.value\n        val ourValue = get(key)\n\n        if (value != ourValue) {\n            return false\n        }\n\n        //
Perhaps it was null and we don't contain the key?\n        if (ourValue == null && !containsKey(key)) {\n            return false\n        }\n        return true\n    }\n\n    /**\n     * Compares this map with other instance with the
ordered structural equality.\n     *\n     * @return true, if [other] instance is a [Map] of the same size, all entries of
which are contained in the [entries] set of this map.\n     */\n\n    override fun equals(other: Any?): Boolean {\n        if
(other === this) return true\n        if (other !is Map<*, *>) return false\n        if (size != other.size) return false\n\n
        return other.entries.all { containsEntry(it) }\n    }\n\n    override operator fun get(key: K): V? =
implFindEntry(key)?.value\n\n    /**\n     * Returns the hash code value for this map.\n     *\n     * It is the same as
the hashCode of [entries] set.\n     */\n\n    override fun hashCode(): Int = entries.hashCode()\n\n    override fun
isEmpty(): Boolean = size == 0\n\n    override val size: Int get() = entries.size\n\n    /**\n     * Returns a read-only
[Set] of all keys in this map.\n     *\n     * Accessing this property first time creates a keys view from [entries].\n     *
All subsequent accesses just return the created instance.\n     */\n\n    override val keys: Set<K>\n        get() {\n

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if (_keys == null) {\n
    _keys = object : AbstractSet<K>() {\n
        override operator fun
contains(element: K): Boolean = containsKey(element)\n
        override operator fun iterator(): Iterator<K>
{\n
            val entryIterator = entries.iterator()\n
            return object : Iterator<K> {\n
                override fun hasNext(): Boolean = entryIterator.hasNext()\n
                override fun next(): K =
entryIterator.next().key\n
            }\n
        }\n
        override val size: Int get() =
this@AbstractMap.size\n
    }\n
}\n
return _keys!!\n
}\n
}\n
@kotlin.jvm.Volatile\n
private var _keys: Set<K>? = null\n
override fun toString(): String = entries.joinToString(", ", "\n", "\n") {
toString(it) }\n
private fun toString(entry: Map.Entry<K, V>): String = toString(entry.key) + "=" +
toString(entry.value)\n
private fun toString(o: Any?): String = if (o === this) "(this Map)" else o.toString()\n
/**\n
 * Returns a read-only [Collection] of all values in this map.\n
 * \n
 * Accessing this property first time
creates a values view from [entries].\n
 * All subsequent accesses just return the created instance.\n
 * \n
override val values: Collection<V>\n
    get() {\n
        if (_values == null) {\n
            _values = object :
AbstractCollection<V>() {\n
                override operator fun contains(element: @UnsafeVariance V): Boolean =
containsValue(element)\n
                override operator fun iterator(): Iterator<V> {\n
                    val
entryIterator = entries.iterator()\n
                    return object : Iterator<V> {\n
                        override fun
hasNext(): Boolean = entryIterator.hasNext()\n
                        override fun next(): V = entryIterator.next().value\n
                    }\n
                }\n
            }\n
            override val size: Int get() = this@AbstractMap.size\n
        }\n
        return _values!!\n
    }\n
}\n
}\n
@kotlin.jvm.Volatile\n
private var _values: Collection<V>? = null\n
private fun implFindEntry(key: K): Map.Entry<K, V>? = entries.firstOrNull { it.key == key }\n
internal
companion object {\n
    internal fun entryHashCode(e: Map.Entry<*, *>): Int = with(e) { (key?.hashCode() ?:
0) xor (value?.hashCode() ?: 0) }\n
    internal fun entryToString(e: Map.Entry<*, *>): String = with(e) {
"\$key=\$value" }\n
    internal fun entryEquals(e: Map.Entry<*, *>, other: Any?): Boolean {\n
        if (other !is
Map.Entry<*, *>) return false\n
        return e.key == other.key && e.value == other.value\n
    }\n
}\n
}\n
"/*\n
 * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n
 * Use of
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
 */\n
package kotlin.collections\n
/**\n
 * Provides a skeletal implementation of the read-only [Set] interface.\n
 * \n
 * This class is intended to help implementing read-only sets so it doesn't support concurrent modification tracking.\n
 * \n
 * @param E the type of elements contained in the set. The set is covariant on its element type.\n
 */\n
@SinceKotlin("1.1")\n
public abstract class AbstractSet<out E> protected constructor() :
AbstractCollection<E>(), Set<E> {\n
    /**\n
     * Compares this set with other set instance with the unordered
structural equality.\n
     * \n
     * @return true, if [other] instance is a [Set] of the same size, all elements of which are
contained in this set.\n
     */\n
    override fun equals(other: Any?): Boolean {\n
        if (other === this) return true\n
        if (other !is Set<*>) return false\n
        return setEquals(this, other)\n
    }\n
    /**\n
     * Returns the hash code
value for this set.\n
     */\n
    override fun hashCode(): Int = unorderedHashCode(this)\n
    internal companion
object {\n
        internal fun unorderedHashCode(c: Collection<*>): Int {\n
            var hashCode = 0\n
            for
(element in c) {\n
                hashCode += (element?.hashCode() ?: 0)\n
            }\n
            return hashCode\n
        }\n
        internal fun setEquals(c: Set<*>, other: Set<*>): Boolean {\n
            if (c.size != other.size) return false\n
            return c.containsAll(other)\n
        }\n
    }\n
}\n
"/*\n
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Programming Language contributors.\n
 * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n
 */\n
@file:kotlin.jvm.JvmMultifileClass\n
@file:kotlin.jvm.JvmName("ArraysKt")\n
package
kotlin.collections\n
import kotlin.contracts.*\n
/**\n
 * Returns a single list of all elements from all arrays in the
given array.\n
 * @sample samples.collections.Arrays.Transformations.flattenArray\n
 */\n
public fun <T> Array<out
Array<out T>>.flatten(): List<T> {\n
    val result = ArrayList<T>(sumBy { it.size })\n
    for (element in this) {\n
        result.addAll(element)\n
    }\n
    return result\n
}\n
/**\n
 * Returns a pair of lists, where\n
 * *first* list is built from
the first values of each pair from this array,\n
 * *second* list is built from the second values of each pair from this
array.\n
 * @sample samples.collections.Arrays.Transformations.unzipArray\n
 */\n
public fun <T, R> Array<out
Pair<T, R>>.unzip(): Pair<List<T>, List<R>> {\n
    val listT = ArrayList<T>(size)\n
    val listR =

```

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ArrayList<R>(size)\n for (pair in this) {\n listT.add(pair.first)\n listR.add(pair.second)\n }\n return
listT to listR}\n\n/**\n * Returns `true` if this nullable array is either null or empty.\n * @sample
samples.collections.Arrays.Usage.arrayIsNullOrEmpty\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\npublic inline fun Array<*>.isNullOrEmpty(): Boolean
{\n contract {\n returns(false) implies (this@isNullOrEmpty != null)\n }\n return this == null ||
this.isEmpty()\n}\n\n/**\n * Returns this array if it's not empty\n * or the result of calling [defaultValue] function if
the array is empty.\n * @sample samples.collections.Arrays.Usage.arrayIfEmpty\n
*\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Suppress("UPPER_BOUND_CANNOT_BE_ARRAY")\npublic inline fun <C, R> C.ifEmpty(defaultValue: () -> R): R where C : Array<*>, C : R =\n if (isEmpty())
defaultValue() else
this\n\n\n@UseExperimental(ExperimentalUnsignedTypes::class)\n@SinceKotlin("1.3")\n@PublishedApi\n@kotlin
in.jvm.JvmName("contentDeepEquals")\n@kotlin.js.JsName("contentDeepEqualsImpl")\ninternal fun <T>
Array<out T>.contentDeepEqualsImpl(other: Array<out T>): Boolean {\n if (this === other) return true\n if
(this.size != other.size) return false\n\n for (i in indices) {\n val v1 = this[i]\n val v2 = other[i]\n if
(v1 === v2) {\n continue\n } else if (v1 == null || v2 == null) {\n return false\n }\n\n when {\n v1 is Array<*> && v2 is Array<*> -> if (!v1.contentDeepEquals(v2)) return false\n v1
is ByteArray && v2 is ByteArray -> if (!v1.contentEquals(v2)) return false\n v1 is ShortArray && v2 is
ShortArray -> if (!v1.contentEquals(v2)) return false\n v1 is IntArray && v2 is IntArray -> if
(!v1.contentEquals(v2)) return false\n v1 is LongArray && v2 is LongArray -> if (!v1.contentEquals(v2))
return false\n v1 is FloatArray && v2 is FloatArray -> if (!v1.contentEquals(v2)) return false\n v1 is
DoubleArray && v2 is DoubleArray -> if (!v1.contentEquals(v2)) return false\n v1 is CharArray && v2
is CharArray -> if (!v1.contentEquals(v2)) return false\n v1 is BooleanArray && v2 is BooleanArray -> if
(!v1.contentEquals(v2)) return false\n v1 is UByteArray && v2 is UByteArray -> if
(!v1.contentEquals(v2)) return false\n v1 is UShortArray && v2 is UShortArray -> if
(!v1.contentEquals(v2)) return false\n v1 is UIntArray && v2 is UIntArray -> if (!v1.contentEquals(v2))
return false\n v1 is ULongArray && v2 is ULongArray -> if (!v1.contentEquals(v2)) return false\n\n else -> if (v1 != v2) return false\n }\n\n }\n return
true\n}\n\n\n@SinceKotlin("1.3")\n@PublishedApi\n@kotlin.jvm.JvmName("contentDeepToString")\n@kotlin.js.
JsName("contentDeepToStringImpl")\ninternal fun <T> Array<out T>.contentDeepToStringImpl(): String {\n
val length = size.coerceAtMost((Int.MAX_VALUE - 2) / 5) * 5 + 2 // in order not to overflow Int.MAX_VALUE\n
return buildString(length) {\n contentDeepToStringInternal(this, mutableListOf())\n
}\n}\n\n\n@UseExperimental(ExperimentalUnsignedTypes::class)\nprivate fun <T> Array<out
T>.contentDeepToStringInternal(result: StringBuilder, processed: MutableList<Array<*>>) {\n if (this in
processed) {\n result.append("[...]")\n return\n }\n processed.add(this)\n result.append('[')\n\n for (i
in indices) {\n if (i != 0) {\n result.append(", ")\n }\n val element = this[i]\n when
(element) {\n null -> result.append("null")\n is Array<*> ->
element.contentDeepToStringInternal(result, processed)\n is ByteArray ->
result.append(element.contentToString())\n is ShortArray -> result.append(element.contentToString())\n
is IntArray -> result.append(element.contentToString())\n is LongArray ->
result.append(element.contentToString())\n is FloatArray -> result.append(element.contentToString())\n
is DoubleArray -> result.append(element.contentToString())\n is CharArray ->
result.append(element.contentToString())\n is BooleanArray -> result.append(element.contentToString())\n
is UByteArray -> result.append(element.contentToString())\n is UShortArray ->
result.append(element.contentToString())\n is UIntArray -> result.append(element.contentToString())\n
is ULongArray -> result.append(element.contentToString())\n\n else ->
result.append(element.toString())\n }\n }\n\n result.append(''])\n
processed.removeAt(processed.lastIndex)\n}"/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the

```


license/LICENSE.txt file.\n */\n\npackage kotlin.collections\n\n/**\n * Data class representing a value from a collection or sequence, along with its index in that collection or sequence.\n */\n * @property value the underlying value.\n * @property index the index of the value in the collection or sequence.\n */\n\npublic data class IndexedValue<out T>(public val index: Int, public val value: T)\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n@file:kotlin.jvm.JvmName("MapAccessorsKt")\n\npackage kotlin.collections\n\nimport kotlin.reflect.KProperty\nimport kotlin.internal.Exact\n\n/**\n * Returns the value of the property for the given object from this read-only map.\n * @param thisRef the object for which the value is requested (not used).\n * @param property the metadata for the property, used to get the name of property and lookup the value corresponding to this name in the map.\n * @return the property value.\n */\n * @throws NoSuchElementException when the map doesn't contain value for the property name and doesn't provide an implicit default (see [withDefault]).\n */\n\n@kotlin.internal.InlineOnly\npublic inline operator fun <V, V1 : V> Map<in String, @Exact V>.getValue(thisRef: Any?, property: KProperty<*>): V1 =\n\n @Suppress("UNCHECKED_CAST") (getOrImplicitDefault(property.name) as V1)\n\n/**\n * Returns the value of the property for the given object from this mutable map.\n * @param thisRef the object for which the value is requested (not used).\n * @param property the metadata for the property, used to get the name of property and lookup the value corresponding to this name in the map.\n * @return the property value.\n */\n * @throws NoSuchElementException when the map doesn't contain value for the property name and doesn't provide an implicit default (see [withDefault]).\n */\n\n@kotlin.jvm.JvmName("getVar")\n@kotlin.internal.InlineOnly\npublic inline operator fun <V, V1 : V> MutableMap<in String, out @Exact V>.getValue(thisRef: Any?, property: KProperty<*>): V1 =\n\n @Suppress("UNCHECKED_CAST") (getOrImplicitDefault(property.name) as V1)\n\n@Deprecated("Use getValue() with two type parameters instead", level = DeprecationLevel.ERROR)\n@kotlin.jvm.JvmName("getVarContravariant")\n@kotlin.internal.LowPriorityInOverloadResolution\n@kotlin.internal.InlineOnly\npublic inline fun <V> MutableMap<in String, in V>.getValue(thisRef: Any?, property: KProperty<*>): V =\n\n @Suppress("UNCHECKED_CAST") (getOrImplicitDefault(property.name) as V)\n\n/**\n * Stores the value of the property for the given object in this mutable map.\n * @param thisRef the object for which the value is requested (not used).\n * @param property the metadata for the property, used to get the name of property and store the value associated with that name in the map.\n * @param value the value to set.\n */\n\n@kotlin.internal.InlineOnly\npublic inline operator fun <V> MutableMap<in String, in V>.setValue(thisRef: Any?, property: KProperty<*>, value: V) {\n\n this.put(property.name, value)\n}\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("MapsKt")\n\npackage kotlin.collections\n\n/**\n * Returns the value for the given key, or the implicit default value for this map.\n * By default no implicit value is provided for maps and a [NoSuchElementException] is thrown.\n * To create a map with implicit default value use [withDefault] method.\n */\n * @throws NoSuchElementException when the map doesn't contain a value for the specified key and no implicit default was provided for that map.\n */\n\n@kotlin.jvm.JvmName("getOrImplicitDefaultNullable")\n@PublishedApi\ninternal fun <K, V> Map<K, V>.getOrImplicitDefault(key: K): V {\n\n if (this is MapWithDefault)\n\n return this.getOrImplicitDefault(key)\n\n return getOrElseNullable(key, { throw NoSuchElementException("Key \$key is missing in the map.") })\n}\n\n/**\n * Returns a wrapper of this read-only map, having the implicit default value provided with the specified function [defaultValue].\n */\n * This implicit default value is used when the original map doesn't contain a value for the key specified\n * and a value is obtained with [Map.getValue] function, for example when properties are delegated to the map.\n */\n * When this map already has an implicit default value provided with a former call to [withDefault], it is being replaced by this call.\n */\n\npublic fun <K, V> Map<K, V>.withDefault(defaultValue: (key: K) -> V): Map<K, V> =\n\n when (this) {\n\n is MapWithDefault -> this.map.withDefault(defaultValue)\n\n else -> MapWithDefaultImpl(this, defaultValue)\n\n }\n\n/**\n * Returns

a wrapper of this mutable map, having the implicit default value provided with the specified function [defaultValue].

* This implicit default value is used when the original map doesn't contain a value for the key specified and a value is obtained with [Map.getValue] function, for example when properties are delegated to the map.

* When this map already has an implicit default value provided with a former call to [withDefault], it is being replaced by this call.

```

@kotlin.jvm.JvmName("withDefaultMutable")
public fun <K, V>
MutableMap<K, V>.withDefault(defaultValue: (key: K) -> V): MutableMap<K, V> =
    when (this) {
        is MutableMapWithDefault -> this.map.withDefault(defaultValue)
        else -> MutableMapWithDefaultImpl(this,
            defaultValue)
    }

private interface MapWithDefault<K, out V> : Map<K, V> {
    public val map: Map<K, V>
    public fun getOrElse(key: K): V
}

private interface MutableMapWithDefault<K, V> :
MutableMap<K, V>, MapWithDefault<K, V> {
    public override val map: MutableMap<K, V>
}

private class MapWithDefaultImpl<K, out V>(public override val map: Map<K, V>, private val default: (key: K) -> V) :
MapWithDefault<K, V> {
    override fun equals(other: Any?): Boolean = map.equals(other)
    override fun hashCode(): Int = map.hashCode()
    override fun toString(): String = map.toString()
    override val size: Int get() = map.size
    override fun isEmpty(): Boolean = map.isEmpty()
    override fun containsKey(key: K): Boolean = map.containsKey(key)
    override fun containsValue(value: @UnsafeVariance V): Boolean = map.containsValue(value)
    override fun get(key: K): V? = map.get(key)
    override val keys: Set<K> get() = map.keys
    override val values: Collection<V> get() = map.values
    override val entries: Set<Map.Entry<K, V>> get() = map.entries
    override fun getOrElse(key: K): V = map.getOrElse(key, { default(key) })
}

private class MutableMapWithDefaultImpl<K, V>(public override val map: MutableMap<K, V>, private val default: (key: K) -> V) : MutableMapWithDefault<K, V> {
    override fun equals(other: Any?): Boolean = map.equals(other)
    override fun hashCode(): Int = map.hashCode()
    override fun toString(): String = map.toString()
    override val size: Int get() = map.size
    override fun isEmpty(): Boolean = map.isEmpty()
    override fun containsKey(key: K): Boolean = map.containsKey(key)
    override fun containsValue(value: @UnsafeVariance V): Boolean = map.containsValue(value)
    override fun get(key: K): V? = map.get(key)
    override val keys: MutableSet<K> get() = map.keys
    override val values: MutableCollection<V> get() = map.values
    override val entries: MutableSet<MutableMap.MutableEntry<K, V>> get() = map.entries
    override fun put(key: K, value: V): V? = map.put(key, value)
    override fun remove(key: K): V? = map.remove(key)
    override fun putAll(from: Map<out K, V>) = map.putAll(from)
    override fun clear() = map.clear()
    override fun getOrElse(key: K): V = map.getOrElse(key, { default(key) })
}

```

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```

@file:kotlin.jvm.JvmMultifileClass
@file:kotlin.jvm.JvmName("CollectionsKt")
package
kotlin.collections
import kotlin.random.Random

/**
 * Removes a single instance of the specified element
 * from this collection, if it is present.
 * Allows to overcome type-safety restriction of `remove` that requires
 * to pass an element of type `E`.
 * @return `true` if the element has been successfully removed; `false` if it was
 * not present in the collection.
 */
@kotlin.internal.InlineOnly
public inline fun <@kotlin.internal.OnlyInputTypes
T> MutableCollection<out T>.remove(element: T): Boolean =
    @Suppress("UNCHECKED_CAST") (this as MutableCollection<T>).remove(element)

/**
 * Removes all of this collection's elements that are also
 * contained in the specified collection.
 * Allows to overcome type-safety restriction of `removeAll` that requires
 * to pass a collection of type `Collection<E>`.
 * @return `true` if any of the specified elements was removed
 * from the collection, `false` if the collection was not modified.
 */
@kotlin.internal.InlineOnly
public inline fun <@kotlin.internal.OnlyInputTypes
T> MutableCollection<out T>.removeAll(elements: Collection<T>): Boolean =
    @Suppress("UNCHECKED_CAST") (this as MutableCollection<T>).removeAll(elements)

/**
 * Retains only the elements in this collection that are contained in the specified collection.
 * Allows to overcome type-safety restriction of `retainAll` that requires to pass a collection of type `Collection<E>`.
 * @return `true` if any element was removed from the collection, `false` if the collection was not modified.
 */
@kotlin.internal.InlineOnly
public inline fun <@kotlin.internal.OnlyInputTypes
T> MutableCollection<out T>.retainAll(elements: Collection<T>): Boolean =
    @Suppress("UNCHECKED_CAST") (this as

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MutableCollection<T>.retainAll(elements)\n\n/**\n * Removes the element at the specified [index] from this list.\n * In Kotlin one should use the [MutableList.removeAt] function instead.\n */\n@Deprecated("Use removeAt(index) instead.", ReplaceWith("removeAt(index)"), level = DeprecationLevel.ERROR)\n@kotlin.internal.InlineOnly\npublic inline fun <T> MutableList<T>.remove(index: Int): T = removeAt(index)\n\n/**\n * Adds the specified [element] to this mutable collection.\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> MutableCollection<in T>.plusAssign(element: T) {\n this.add(element)\n}\n\n/**\n * Adds all elements of the given [elements] collection to this mutable collection.\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> MutableCollection<in T>.plusAssign(elements: Iterable<T>) {\n this.addAll(elements)\n}\n\n/**\n * Adds all elements of the given [elements] array to this mutable collection.\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> MutableCollection<in T>.plusAssign(elements: Array<T>) {\n this.addAll(elements)\n}\n\n/**\n * Adds all elements of the given [elements] sequence to this mutable collection.\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> MutableCollection<in T>.plusAssign(elements: Sequence<T>) {\n this.addAll(elements)\n}\n\n/**\n * Removes a single instance of the specified [element] from this mutable collection.\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> MutableCollection<in T>.minusAssign(element: T) {\n this.remove(element)\n}\n\n/**\n * Removes all elements contained in the given [elements] collection from this mutable collection.\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> MutableCollection<in T>.minusAssign(elements: Iterable<T>) {\n this.removeAll(elements)\n}\n\n/**\n * Removes all elements contained in the given [elements] array from this mutable collection.\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> MutableCollection<in T>.minusAssign(elements: Array<T>) {\n this.removeAll(elements)\n}\n\n/**\n * Removes all elements contained in the given [elements] sequence from this mutable collection.\n */\n@kotlin.internal.InlineOnly\npublic inline operator fun <T> MutableCollection<in T>.minusAssign(elements: Sequence<T>) {\n this.removeAll(elements)\n}\n\n/**\n * Adds all elements of the given [elements] collection to this [MutableCollection].\n */\n@kotlin.internal.InlineOnly\npublic fun <T> MutableCollection<in T>.addAll(elements: Iterable<T>): Boolean {\n when (elements) {\n is Collection -> return addAll(elements)\n else -> {\n var result: Boolean = false\n for (item in elements)\n if (add(item)) result = true\n return result\n }\n }\n}\n\n/**\n * Adds all elements of the given [elements] sequence to this [MutableCollection].\n */\n@kotlin.internal.InlineOnly\npublic fun <T> MutableCollection<in T>.addAll(elements: Sequence<T>): Boolean {\n var result: Boolean = false\n for (item in elements) {\n if (add(item)) result = true\n }\n return result\n}\n\n/**\n * Adds all elements of the given [elements] array to this [MutableCollection].\n */\n@kotlin.internal.InlineOnly\npublic fun <T> MutableCollection<in T>.addAll(elements: Array<out T>): Boolean {\n return addAll(elements.asList())\n}\n\n/**\n * Removes all elements from this [MutableCollection] that match the given [predicate].\n */\n@kotlin.internal.InlineOnly\npublic fun <T> MutableCollection<in T>.removeAll(predicate: (T) -> Boolean): Boolean = filterInPlace(predicate, true)\n\n/**\n * Retains only elements of this [MutableCollection] that match the given [predicate].\n */\n@kotlin.internal.InlineOnly\npublic fun <T> MutableCollection<in T>.retainAll(predicate: (T) -> Boolean): Boolean = filterInPlace(predicate, false)\n\nprivate fun <T> MutableCollection<in T>.filterInPlace(predicate: (T) -> Boolean, predicateResultToRemove: Boolean): Boolean {\n var result = false\n with(iterator()) {\n while (hasNext())\n if (predicate(next()) == predicateResultToRemove) {\n remove()\n result = true\n }\n }\n return result\n}\n\n/**\n * Removes all elements from this [MutableList] that match the given [predicate].\n */\n@kotlin.internal.InlineOnly\npublic fun <T> MutableList<T>.removeAll(predicate: (T) -> Boolean): Boolean = filterInPlace(predicate, true)\n\n/**\n * Retains only elements of this [MutableList] that match the given [predicate].\n */\n@kotlin.internal.InlineOnly\npublic fun <T> MutableList<T>.retainAll(predicate: (T) -> Boolean): Boolean = filterInPlace(predicate,

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false)\n\nprivate fun <T> MutableList<T>.filterInPlace(predicate: (T) -> Boolean, predicateResultToRemove:
Boolean): Boolean {\n    if (this !is RandomAccess)\n        return (this as
MutableIterable<T>).filterInPlace(predicate, predicateResultToRemove)\n\n    var writeIndex: Int = 0\n    for
(readIndex in 0..lastIndex) {\n        val element = this[readIndex]\n        if (predicate(element) ==
predicateResultToRemove)\n            continue\n\n        if (writeIndex != readIndex)\n            this[writeIndex] =
element\n\n        writeIndex++\n    }\n    if (writeIndex < size) {\n        for (removeIndex in lastIndex downTo
writeIndex)\n            removeAt(removeIndex)\n\n        return true\n    } else {\n        return false\n    }\n}\n\n/**\n * Removes all elements from this [MutableCollection] that are also contained in the given [elements] collection.\n
*/\n\npublic fun <T> MutableCollection<in T>.removeAll(elements: Iterable<T>): Boolean {\n    return
removeAll(elements.convertToSetForSetOperationWith(this))\n}\n\n/**\n * Removes all elements from this
[MutableCollection] that are also contained in the given [elements] sequence.\n */\n\npublic fun <T>
MutableCollection<in T>.removeAll(elements: Sequence<T>): Boolean {\n    val set = elements.toHashSet()\n
return set.isNotEmpty() && removeAll(set)\n}\n\n/**\n * Removes all elements from this [MutableCollection] that
are also contained in the given [elements] array.\n */\n\npublic fun <T> MutableCollection<in
T>.removeAll(elements: Array<out T>): Boolean {\n    return elements.isNotEmpty() &&
removeAll(elements.toHashSet())\n}\n\n/**\n * Retains only elements of this [MutableCollection] that are contained
in the given [elements] collection.\n */\n\npublic fun <T> MutableCollection<in T>.retainAll(elements: Iterable<T>):
Boolean {\n    return retainAll(elements.convertToSetForSetOperationWith(this))\n}\n\n/**\n * Retains only
elements of this [MutableCollection] that are contained in the given [elements] array.\n */\n\npublic fun <T>
MutableCollection<in T>.retainAll(elements: Array<out T>): Boolean {\n    if (elements.isNotEmpty())\n        return
retainAll(elements.toHashSet())\n    else\n        return retainNothing()\n}\n\n/**\n * Retains only elements of this
[MutableCollection] that are contained in the given [elements] sequence.\n */\n\npublic fun <T>
MutableCollection<in T>.retainAll(elements: Sequence<T>): Boolean {\n    val set = elements.toHashSet()\n    if
(set.isNotEmpty())\n        return retainAll(set)\n    else\n        return retainNothing()\n}\n\nprivate fun
MutableCollection<*>.retainNothing(): Boolean {\n    val result = isEmpty()\n    clear()\n    return
result\n}\n\n/**\n * Randomly shuffles elements in this mutable list using the specified [random] instance as the
source of randomness.\n */\n\n * See:
https://en.wikipedia.org/wiki/Fisher%20%80%93Yates\_shuffle#The\_modern\_algorithm\n
*/\n\n@SinceKotlin("1.3")\npublic fun <T> MutableList<T>.shuffle(random: Random): Unit {\n    for (i in lastIndex
downTo 1) {\n        val j = random.nextInt(i + 1)\n        val copy = this[i]\n        this[i] = this[j]\n        this[j] = copy\n    }\n}\n\n/**\n * Returns a new list with the elements of this list randomly shuffled\n * using the specified [random]
instance as the source of randomness.\n */\n\n@SinceKotlin("1.3")\npublic fun <T> Iterable<T>.shuffled(random:
Random): List<T> = toMutableList().apply { shuffle(random) }\n\n"/**\n * Copyright 2010-2018 JetBrains s.r.o.
and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("CollectionsKt")\n\npackage
kotlin.collections\n\nprivate open class ReversedListReadOnly<out T>(private val delegate: List<T>) :
AbstractList<T>() {\n    override val size: Int get() = delegate.size\n    override fun get(index: Int): T =
delegate[reverseElementIndex(index)]\n}\n\nprivate class ReversedList<T>(private val delegate: MutableList<T>) :
AbstractMutableList<T>() {\n    override val size: Int get() = delegate.size\n    override fun get(index: Int): T =
delegate[reverseElementIndex(index)]\n    override fun clear() = delegate.clear()\n    override fun removeAt(index:
Int): T = delegate.removeAt(reverseElementIndex(index))\n    override fun set(index: Int, element: T): T =
delegate.set(reverseElementIndex(index), element)\n    override fun add(index: Int, element: T) {\n        delegate.add(reversePositionIndex(index), element)\n    }\n}\n\nprivate fun List<*>.reverseElementIndex(index:
Int) =\n    if (index in 0..lastIndex) lastIndex - index else throw IndexOutOfBoundsException("Element index
$index must be in range [{0..lastIndex}]")\n\nprivate fun List<*>.reversePositionIndex(index: Int) =\n    if (index
in 0..size) size - index else throw IndexOutOfBoundsException("Position index $index must be in range
[{0..size}]")\n}\n\n/**\n * Returns a reversed read-only view of the original List.\n * All changes made in the

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original list will be reflected in the reversed one.\n * @sample samples.collections.ReversedViews.asReversedList\n
*\npublic fun <T> List<T>.asReversed(): List<T> = ReversedListReadOnly(this)\n\n/**\n * Returns a reversed
mutable view of the original mutable List.\n * All changes made in the original list will be reflected in the reversed
one and vice versa.\n * @sample samples.collections.ReversedViews.asReversedMutableList\n
*\n@kotlin.jvm.JvmName("asReversedMutable")\npublic fun <T> MutableList<T>.asReversed():
MutableList<T> = ReversedList(this)\n\n"/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("SequencesKt")\n@file:UseExperimental(
ExperimentalTypeInference::class)\n\npackage kotlin.sequences\n\nimport kotlin.coroutines.*\nimport
kotlin.coroutines.intrinsics.*\nimport kotlin.experimental.ExperimentalTypeInference\n\n/**\n * Builds a
[Sequence] lazily yielding values one by one.\n * \n * @see kotlin.sequences.generateSequence\n * \n * @sample
samples.collections.Sequences.Building.buildSequenceYieldAll\n * @sample
samples.collections.Sequences.Building.buildFibonacciSequence\n * \n * @since Kotlin("1.3")\npublic fun <T>
sequence(@BuilderInference block: suspend SequenceScope<T>().() -> Unit): Sequence<T> = Sequence {
iterator(block) }\n\n@SinceKotlin("1.3")\n@Deprecated("Use 'sequence { }' function instead."),
ReplaceWith("sequence(builderAction)"), level =
DeprecationLevel.ERROR)\n@kotlin.internal.InlineOnly\npublic inline fun <T> buildSequence(@BuilderInference
noinline builderAction: suspend SequenceScope<T>().() -> Unit): Sequence<T> = Sequence { iterator(builderAction)
}\n\n/**\n * Builds an [Iterator] lazily yielding values one by one.\n * \n * @sample
samples.collections.Sequences.Building.buildIterator\n * @sample samples.collections.Iterables.Building.iterable\n
*\n * @since Kotlin("1.3")\npublic fun <T> iterator(@BuilderInference block: suspend SequenceScope<T>().() ->
Unit): Iterator<T> { \n    val iterator = SequenceBuilderIterator<T>()\n    iterator.nextStep =
block.createCoroutineUnintercepted(receiver = iterator, completion = iterator)\n    return
iterator\n}\n\n@SinceKotlin("1.3")\n@Deprecated("Use 'iterator { }' function instead."),
ReplaceWith("iterator(builderAction)"), level = DeprecationLevel.ERROR)\n@kotlin.internal.InlineOnly\npublic
inline fun <T> buildIterator(@BuilderInference noinline builderAction: suspend SequenceScope<T>().() -> Unit):
Iterator<T> = iterator(builderAction)\n\n/**\n * The scope for yielding values of a [Sequence] or an [Iterator],
provides [yield] and [yieldAll] suspension functions.\n * \n * @see sequence\n * @see iterator\n * \n * @sample
samples.collections.Sequences.Building.buildSequenceYieldAll\n * @sample
samples.collections.Sequences.Building.buildFibonacciSequence\n
*\n * @RestrictsSuspension\n * @since Kotlin("1.3")\npublic abstract class SequenceScope<in T> internal
constructor() {\n    /**\n     * Yields a value to the [Iterator] being built and suspends\n     * until the next value is
requested.\n     * \n     * @sample samples.collections.Sequences.Building.buildSequenceYieldAll\n     * @sample
samples.collections.Sequences.Building.buildFibonacciSequence\n     * \n     * public abstract suspend fun yield(value:
T)\n     * \n     * /**\n     * Yields all values from the `iterator` to the [Iterator] being built\n     * and suspends until all these
values are iterated and the next one is requested.\n     * \n     * The sequence of values returned by the given iterator
can be potentially infinite.\n     * \n     * @sample samples.collections.Sequences.Building.buildSequenceYieldAll\n
     * \n     * public abstract suspend fun yieldAll(iterator: Iterator<T>)\n     * \n     * /**\n     * Yields a collections of values to
the [Iterator] being built\n     * and suspends until all these values are iterated and the next one is requested.\n
     * \n     * \n     * @sample samples.collections.Sequences.Building.buildSequenceYieldAll\n     * \n     * public suspend fun
yieldAll(elements: Iterable<T>) {\n     *     if (elements is Collection && elements.isEmpty()) return\n     *     return
yieldAll(elements.iterator())\n     * }\n     * \n     * /**\n     * Yields potentially infinite sequence of values to the [Iterator]
being built\n     * and suspends until all these values are iterated and the next one is requested.\n     * \n     * The
sequence can be potentially infinite.\n     * \n     * @sample
samples.collections.Sequences.Building.buildSequenceYieldAll\n     * \n     * public suspend fun yieldAll(sequence:
Sequence<T>) = yieldAll(sequence.iterator())\n}\n\n@Deprecated("Use SequenceScope class instead."),
ReplaceWith("SequenceScope<T>"), level = DeprecationLevel.ERROR)\npublic typealias SequenceBuilder<T> =

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SequenceScope<T>\n\nprivate typealias State = Int\n\nprivate const val State_NotReady: State = 0\n\nprivate const
val State_ManyNotReady: State = 1\n\nprivate const val State_ManyReady: State = 2\n\nprivate const val State_Ready:
State = 3\n\nprivate const val State_Done: State = 4\n\nprivate const val State_Failed: State = 5\n\nprivate class
SequenceBuilderIterator<T> : SequenceScope<T>(), Iterator<T>, Continuation<Unit> {\n    private var state =
State_NotReady\n    private var nextValue: T? = null\n    private var nextIterator: Iterator<T>? = null\n    var
nextStep: Continuation<Unit>? = null\n\n    override fun hasNext(): Boolean {\n        while (true) {\n            when
(state) {\n                State_NotReady -> {}\n                State_ManyNotReady ->\n                    if
(nextIterator!!.hasNext()) {\n                        state = State_ManyReady\n                        return true\n                    }
else {\n                        nextIterator = null\n                    }\n                State_Done -> return false\n                State_Ready, State_ManyReady -> return true\n                else -> throw exceptionalState()\n            }\n            state
= State_Failed\n            val step = nextStep!!\n            nextStep = null\n            step.resume(Unit)\n        }\n    }\n\n    override fun next(): T {\n        when (state) {\n            State_NotReady, State_ManyNotReady -> return
nextNotReady()\n            State_ManyReady -> {\n                state = State_ManyNotReady\n                return
nextIterator!!.next()\n            }\n            State_Ready -> {\n                state = State_NotReady\n                @Suppress(\"UNCHECKED_CAST\")\n                val result = nextValue as T\n                nextValue = null\n                return result\n            }\n            else -> throw exceptionalState()\n        }\n    }\n\n    private fun nextNotReady(): T
{\n        if (!hasNext()) throw NoSuchElementException() else return next()\n    }\n\n    private fun
exceptionalState(): Throwable = when (state) {\n        State_Done -> NoSuchElementException()\n        State_Failed
-> IllegalStateException(\"Iterator has failed.\")\n        else -> IllegalStateException(\"Unexpected state of the
iterator: $state\")\n    }\n\n\n    override suspend fun yield(value: T) {\n        nextValue = value\n        state =
State_Ready\n        return suspendCoroutineUninterceptedOrReturn { c ->\n            nextStep = c\n            COROUTINE_SUSPENDED\n        }\n    }\n\n\n    override suspend fun yieldAll(iterator: Iterator<T>) {\n        if
(!iterator.hasNext()) return\n        nextIterator = iterator\n        state = State_ManyReady\n        return
suspendCoroutineUninterceptedOrReturn { c ->\n            nextStep = c\n            COROUTINE_SUSPENDED\n        }\n    }\n\n\n    // Completion continuation implementation\n    override fun resumeWith(result: Result<Unit>) {\n
result.getOrThrow() // just rethrow exception if it is there\n        state = State_Done\n    }\n\n\n    override val context:
CoroutineContext\n        get() = EmptyCoroutineContext\n    }\n\n\n    /*\n     * Copyright 2010-2018 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n     * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n     */\n\n\n    package kotlin.collections\n\n\n    internal fun
checkWindowSizeStep(size: Int, step: Int) {\n        require(size > 0 && step > 0) {\n            if (size != step)\n                \"Both size $size and step $step must be greater than zero.\"\n            else\n                \"size $size must be greater than
zero.\"\n        }\n    }\n\n\n    internal fun <T> Sequence<T>.windowedSequence(size: Int, step: Int, partialWindows: Boolean,
reuseBuffer: Boolean): Sequence<List<T>> {\n        checkWindowSizeStep(size, step)\n        return Sequence {\n
windowedIterator(iterator(), size, step, partialWindows, reuseBuffer) }\n    }\n\n\n    internal fun <T>
windowedIterator(iterator: Iterator<T>, size: Int, step: Int, partialWindows: Boolean, reuseBuffer: Boolean):
Iterator<List<T>> {\n        if (!iterator.hasNext()) return EmptyIterator\n        return iterator<List<T>> {\n            val
bufferInitialCapacity = size.coerceAtMost(1024)\n            val gap = step - size\n            if (gap >= 0) {\n                var buffer
= ArrayList<T>(bufferInitialCapacity)\n                var skip = 0\n                for (e in iterator) {\n                    if (skip > 0) {\n
skip -= 1; continue }\n                    buffer.add(e)\n                    if (buffer.size == size) {\n                        yield(buffer)\n
                        if (reuseBuffer) buffer.clear() else buffer = ArrayList(size)\n                        skip = gap\n                    }\n                }\n                if (buffer.isNotEmpty()) {\n                    if (partialWindows || buffer.size == size) yield(buffer)\n                }\n            }\n            else {\n                var buffer = RingBuffer<T>(bufferInitialCapacity)\n                for (e in iterator) {\n
buffer.add(e)\n                    if (buffer.isFull()) {\n                        if (buffer.size < size) { buffer =
buffer.expanded(maxCapacity = size); continue }\n                        yield(if (reuseBuffer) buffer else
ArrayList(buffer))\n                        buffer.removeFirst(step)\n                    }\n                }\n                if (partialWindows) {\n
while (buffer.size > step) {\n                    yield(if (reuseBuffer) buffer else ArrayList(buffer))\n                    buffer.removeFirst(step)\n                }\n                if (buffer.isNotEmpty()) yield(buffer)\n            }\n        }\n    }\n\n\n    internal class MovingSubList<out E>(private val list: List<E>) : AbstractList<E>(), RandomAccess {\n

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private var fromIndex: Int = 0\n private var _size: Int = 0\n fun move(fromIndex: Int, toIndex: Int) {\n
checkRangeIndexes(fromIndex, toIndex, list.size)\n this.fromIndex = fromIndex\n this._size = toIndex -
fromIndex\n }\n\n override fun get(index: Int): E {\n checkElementIndex(index, _size)\n return
list[fromIndex + index]\n }\n\n override val size: Int get() = _size\n\n/**\n * Provides ring buffer
implementation.\n *\n * Buffer overflow is not allowed so [add] doesn't overwrite tail but raises an exception.\n
*\nprivate class RingBuffer<T>(private val buffer: Array<Any?>, filledSize: Int) : AbstractList<T>(),
RandomAccess {\n init {\n require(filledSize >= 0) {\n"ring buffer filled size should not be negative but it is
$filledSize" }\n require(filledSize <= buffer.size) {\n"ring buffer filled size: $filledSize cannot be larger than
the buffer size: ${buffer.size}" }\n }\n\n constructor(capacity: Int) : this(arrayOfNulls<Any?>(capacity), 0)\n\n
private val capacity = buffer.size\n private var startIndex: Int = 0\n override var size: Int = filledSize\n
private set\n\n override fun get(index: Int): T {\n checkElementIndex(index, size)\n
@Suppress("UNCHECKED_CAST")\n return buffer[startIndex.forward(index)] as T\n }\n\n fun isFull() =
size == capacity\n\n override fun iterator(): Iterator<T> = object : AbstractIterator<T>() {\n private var count
= size\n private var index = startIndex\n\n override fun computeNext() {\n if (count == 0) {\n
done()\n } else {\n @Suppress("UNCHECKED_CAST")\n setNext(buffer[index] as
T)\n index = index.forward(1)\n count--\n }\n }\n }\n\n @Suppress("UNCHECKED_CAST")\n override fun <T> toArray(array: Array<T>): Array<T> {\n val
result: Array<T?> =\n if (array.size < this.size) array.copyOf(this.size) else array as Array<T?>\n\n val
size = this.size\n\n var widx = 0\n var idx = startIndex\n\n while (widx < size && idx < capacity) {\n
result[widx] = buffer[idx] as T\n widx++\n idx++\n }\n\n idx = 0\n while (widx <
size) {\n result[widx] = buffer[idx] as T\n widx++\n idx++\n }\n\n if (result.size >
this.size) result[this.size] = null\n\n return result as Array<T>\n }\n\n override fun toArray(): Array<Any?>
{\n return toArray(arrayOfNulls(size))\n }\n\n /**\n * Creates a new ring buffer with the capacity equal to
the minimum of [maxCapacity] and 1.5 * [capacity].\n * The returned ring buffer contains the same elements as
this ring buffer.\n *\n fun expanded(maxCapacity: Int): RingBuffer<T> {\n val newCapacity = (capacity +
(capacity shr 1) + 1).coerceAtMost(maxCapacity)\n val newBuffer = if (startIndex == 0)
buffer.copyOf(newCapacity) else toArray(arrayOfNulls(newCapacity))\n return RingBuffer(newBuffer, size)\n
}\n\n /**\n * Add [element] to the buffer or fail with [IllegalStateException] if no free space available in the
buffer\n *\n fun add(element: T) {\n if (isFull()) {\n throw IllegalStateException("ring buffer is
full")\n }\n\n buffer[startIndex.forward(size)] = element\n size++\n }\n\n /**\n * Removes [n]
first elements from the buffer or fails with [IllegalArgumentException] if not enough elements in the buffer to
remove\n *\n fun removeFirst(n: Int) {\n require(n >= 0) {\n"n shouldn't be negative but it is $n" }\n
require(n <= size) {\n"n shouldn't be greater than the buffer size: n = $n, size = $size" }\n\n if (n > 0) {\n
val start = startIndex\n val end = start.forward(n)\n\n if (start > end) {\n buffer.fill(null, start,
capacity)\n buffer.fill(null, 0, end)\n } else {\n buffer.fill(null, start, end)\n }\n\n
startIndex = end\n size -= n\n }\n }\n\n\n @Suppress("NOTHING_TO_INLINE")\n private
inline fun Int.forward(n: Int): Int = (this + n) % capacity\n\n", "*/\n * Copyright 2010-2019 JetBrains s.r.o. and
Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that
can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.collections\n\n// UByteArray
=====\n@Exp
erimentalUnsignedTypes\nprivate fun partition(\n array: UByteArray, left: Int, right: Int): Int {\n var i = left\n
var j = right\n val pivot = array[(left + right) / 2]\n while (i <= j) {\n while (array[i] < pivot)\n i++\n
while (array[j] > pivot)\n j--\n if (i <= j) {\n val tmp = array[i]\n array[i] = array[j]\n
array[j] = tmp\n i++\n j--\n }\n }\n return i\n}\n\n@ExperimentalUnsignedTypes\nprivate fun
quickSort(\n array: UByteArray, left: Int, right: Int) {\n val index = partition(array, left, right)\n if (left < index
- 1)\n quickSort(array, left, index - 1)\n if (index < right)\n quickSort(array, index, right)\n}\n\n//
UShortArray
=====\n@Exp

```

```

experimentalUnsignedTypes\nprivate fun partition(\n    array: UShortArray, left: Int, right: Int): Int {\n    var i = left\n    var j = right\n    val pivot = array[(left + right) / 2]\n    while (i <= j) {\n        while (array[i] < pivot)\n            i++\n        while (array[j] > pivot)\n            j--\n        if (i <= j) {\n            val tmp = array[i]\n            array[i] = array[j]\n            array[j] = tmp\n            i++\n            j--\n        }\n    }\n    return i\n}\n\n@ExperimentalUnsignedTypes\nprivate fun quickSort(\n    array: UShortArray, left: Int, right: Int) {\n    val index = partition(array, left, right)\n    if (left < index - 1)\n        quickSort(array, left, index - 1)\n    if (index < right)\n        quickSort(array, index, right)\n}\n\n// UIntArray

```

```

===== \n @Exp
perimentalUnsignedTypes\nprivate fun partition(\n    array: UIntArray, left: Int, right: Int): Int {\n    var i = left\n    var j = right\n    val pivot = array[(left + right) / 2]\n    while (i <= j) {\n        while (array[i] < pivot)\n            i++\n        while (array[j] > pivot)\n            j--\n        if (i <= j) {\n            val tmp = array[i]\n            array[i] = array[j]\n            array[j] = tmp\n            i++\n            j--\n        }\n    }\n    return i\n}\n\n@ExperimentalUnsignedTypes\nprivate fun quickSort(\n    array: UIntArray, left: Int, right: Int) {\n    val index = partition(array, left, right)\n    if (left < index - 1)\n        quickSort(array, left, index - 1)\n    if (index < right)\n        quickSort(array, index, right)\n}\n\n// ULongArray

```

```

===== \n @Exp
perimentalUnsignedTypes\nprivate fun partition(\n    array: ULongArray, left: Int, right: Int): Int {\n    var i = left\n    var j = right\n    val pivot = array[(left + right) / 2]\n    while (i <= j) {\n        while (array[i] < pivot)\n            i++\n        while (array[j] > pivot)\n            j--\n        if (i <= j) {\n            val tmp = array[i]\n            array[i] = array[j]\n            array[j] = tmp\n            i++\n            j--\n        }\n    }\n    return i\n}\n\n@ExperimentalUnsignedTypes\nprivate fun quickSort(\n    array: ULongArray, left: Int, right: Int) {\n    val index = partition(array, left, right)\n    if (left < index - 1)\n        quickSort(array, left, index - 1)\n    if (index < right)\n        quickSort(array, index, right)\n}\n\n// Interfaces

```

```

===== \n /**\n * Sorts the given array using qsort algorithm.\n */\n@ExperimentalUnsignedTypes\ninternal fun sortArray(array: UByteArray) = quickSort(array, 0, array.size - 1)\n@ExperimentalUnsignedTypes\ninternal fun sortArray(array: UShortArray) = quickSort(array, 0, array.size - 1)\n@ExperimentalUnsignedTypes\ninternal fun sortArray(array: UIntArray) = quickSort(array, 0, array.size - 1)\n@ExperimentalUnsignedTypes\ninternal fun sortArray(array: ULongArray) = quickSort(array, 0, array.size - 1)", /*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.contracts\n\nimport kotlin.internal.ContractsDsl\nimport kotlin.internal.InlineOnly\n\n/**\n * This marker distinguishes the experimental contract declaration API and is used to opt-in for that feature\n * when declaring contracts of user functions.\n * Any usage of a declaration annotated with `@ExperimentalContracts` must be accepted either by\n * annotating that usage with the [UseExperimental] annotation, e.g. `@UseExperimental(ExperimentalContracts::class)`,\n * or by using the compiler argument `-Xuse-experimental=kotlin.contracts.ExperimentalContracts`.\n */\n@Retention(AnnotationRetention.BINARY)\n@SinceKotlin("1.3")\n@Experimental\n@MustBeDocumented\npublic annotation class ExperimentalContracts\n\n/**\n * Provides a scope, where the functions of the contract DSL, such as [returns], [callsInPlace], etc.,\n * can be used to describe the contract of a function.\n * This type is used as a receiver type of the lambda function passed to the [contract] function.\n * @see contract\n */\n@ContractsDsl\n@ExperimentalContracts\n@SinceKotlin("1.3")\npublic interface ContractBuilder {\n    /**\n     * Describes a situation when a function returns normally, without any exceptions thrown.\n     * Use [SimpleEffect.implies] function to describe a conditional effect that happens in such case.\n     */\n    // @sample samples.contracts.returnsContract\n    @ContractsDsl public fun returns(): Returns\n\n    /**\n     * Describes a situation when a function returns normally with the specified return [value].\n     * The possible values of [value] are limited to `true`, `false` or `null`.\n     * Use [SimpleEffect.implies] function to describe a conditional effect that happens in such case.\n     */\n    // @sample samples.contracts.returnsTrueContract\n
```



```

// @sample samples.contracts.returnsFalseContract\n // @sample samples.contracts.returnsNullContract\n
@ContractsDsl public fun returns(value: Any?): Returns\n\n /**\n * Describes a situation when a function
returns normally with any value that is not `null`.\n * \n * Use [SimpleEffect.implies] function to describe a
conditional effect that happens in such case.\n * \n */\n // @sample
samples.contracts.returnsNotNullContract\n @ContractsDsl public fun returnsNotNull(): ReturnsNotNull\n\n
/**\n * Specifies that the function parameter [lambda] is invoked in place.\n * \n * This contract specifies
that:\n * 1. the function [lambda] can only be invoked during the call of the owner function,\n * and it won't be
invoked after that owner function call is completed;\n * 2. _(optionally)_ the function [lambda] is invoked the
amount of times specified by the [kind] parameter,\n * see the [InvocationKind] enum for possible values.\n
*\n * A function declaring the `callsInPlace` effect must be _inline_.\n * \n */\n // @sample
samples.contracts.callsInPlaceAtMostOnceContract\n * @sample
samples.contracts.callsInPlaceAtLeastOnceContract\n * @sample
samples.contracts.callsInPlaceExactlyOnceContract\n * @sample
samples.contracts.callsInPlaceUnknownContract\n *\n @ContractsDsl public fun <R> callsInPlace(lambda:
Function<R>, kind: InvocationKind = InvocationKind.UNKNOWN): CallsInPlace\n\n\n/**\n * Specifies how
many times a function invokes its function parameter in place.\n * \n * See [ContractBuilder.callsInPlace] for the
details of the call-in-place function contract.\n
*\n\n@ContractsDsl\n@ExperimentalContracts\n@SinceKotlin("1.3")\npublic enum class InvocationKind {\n
/**\n * A function parameter will be invoked one time or not invoked at all.\n * \n */\n // @sample
samples.contracts.callsInPlaceAtMostOnceContract\n @ContractsDsl AT_MOST_ONCE,\n\n /**\n * A
function parameter will be invoked one or more times.\n * \n */\n // @sample
samples.contracts.callsInPlaceAtLeastOnceContract\n @ContractsDsl AT_LEAST_ONCE,\n\n /**\n * A
function parameter will be invoked exactly one time.\n * \n */\n // @sample
samples.contracts.callsInPlaceExactlyOnceContract\n @ContractsDsl EXACTLY_ONCE,\n\n /**\n * A
function parameter is called in place, but it's unknown how many times it can be called.\n * \n */\n // @sample
samples.contracts.callsInPlaceUnknownContract\n @ContractsDsl UNKNOWN\n\n\n/**\n * Specifies the
contract of a function.\n * \n * The contract description must be at the beginning of a function and have at least one
effect.\n * \n * Only the top-level functions can have a contract for now.\n * \n * @param builder the lambda where
the contract of a function is described with the help of the [ContractBuilder] members.\n * \n */\n // @sample
samples.contracts.returnsContract\n * @sample samples.contracts.returnsTrueContract\n * @sample
samples.contracts.returnsFalseContract\n * @sample samples.contracts.returnsNullContract\n * @sample
samples.contracts.returnsNotNullContract\n * @sample samples.contracts.callsInPlaceAtMostOnceContract\n *
@sample samples.contracts.callsInPlaceAtLeastOnceContract\n * @sample
samples.contracts.callsInPlaceExactlyOnceContract\n * @sample
samples.contracts.callsInPlaceUnknownContract\n *\n\n@ContractsDsl\n@ExperimentalContracts\n@InlineOnly\n\n@
SinceKotlin("1.3")\n\n@Suppress("UNUSED_PARAMETER")\n\npublic inline fun contract(builder:
ContractBuilder.() -> Unit) { }"/\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n * \n\npackage kotlin.coroutines\n\n/**\n * Marks coroutine context element that
intercepts coroutine continuations.\n * The coroutines framework uses [ContinuationInterceptor.Key] to retrieve the
interceptor and\n * intercepts all coroutine continuations with [interceptContinuation] invocations.\n
*\n\n@SinceKotlin("1.3")\n\npublic interface ContinuationInterceptor : CoroutineContext.Element {\n /**\n *
The key that defines *the* context interceptor.\n * \n */\n companion object Key :
CoroutineContext.Key<ContinuationInterceptor>\n\n /**\n * Returns continuation that wraps the original
[continuation], thus intercepting all resumptions.\n * This function is invoked by coroutines framework when
needed and the resulting continuations are\n * cached internally per each instance of the original [continuation].\n
*\n * This function may simply return original [continuation] if it does not want to intercept this particular
continuation.\n * \n * When the original [continuation] completes, coroutine framework invokes

```

```

[releaseInterceptedContinuation]\n * with the resulting continuation if it was intercepted, that is if
`interceptContinuation` had previously\n * returned a different continuation instance.\n */\n public fun <T>
interceptContinuation(continuation: Continuation<T>): Continuation<T>\n\n /**\n * Invoked for the
continuation instance returned by [interceptContinuation] when the original\n * continuation completes and will
not be used anymore. This function is invoked only if [interceptContinuation]\n * had returned a different
continuation instance from the one it was invoked with.\n */\n * Default implementation does nothing.\n */\n
* @param continuation Continuation instance returned by this interceptor's [interceptContinuation] invocation.\n
*/\n public fun releaseInterceptedContinuation(continuation: Continuation<*>) {\n /* do nothing by default
*/\n }\n\n // Performance optimization for a singleton Key\n public override operator fun <E :
CoroutineContext.Element> get(key: CoroutineContext.Key<E>): E? =\n
@Suppress("UNCHECKED_CAST")\n if (key === Key) this as E else null\n\n // Performance optimization
to a singleton Key\n public override fun minusKey(key: CoroutineContext.Key<*>): CoroutineContext =\n if
(key === Key) EmptyCoroutineContext else this\n}\n\n",/>\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\npackage kotlin.coroutines\n\n/**\n * Persistent context for the
coroutine. It is an indexed set of [Element] instances.\n * An indexed set is a mix between a set and a map.\n *
Every element in this set has a unique [Key].\n */\n@SinceKotlin("1.3")\npublic interface CoroutineContext {\n
/**\n * Returns the element with the given [key] from this context or `null`.\n */\n public operator fun <E :
Element> get(key: Key<E>): E?\n\n /**\n * Accumulates entries of this context starting with [initial] value and
applying [operation]\n * from left to right to current accumulator value and each element of this context.\n */\n
public fun <R> fold(initial: R, operation: (R, Element) -> R): R\n\n /**\n * Returns a context containing
elements from this context and elements from other [context].\n * The elements from this context with the same
key as in the other one are dropped.\n */\n public operator fun plus(context: CoroutineContext):
CoroutineContext =\n if (context === EmptyCoroutineContext) this else // fast path -- avoid lambda creation\n
context.fold(this) { acc, element ->\n val removed = acc.minusKey(element.key)\n if
(removed === EmptyCoroutineContext) element else {\n // make sure interceptor is always last in the
context (and thus is fast to get when present)\n val interceptor = removed[ContinuationInterceptor]\n
if (interceptor == null) CombinedContext(removed, element) else {\n val left =
removed.minusKey(ContinuationInterceptor)\n if (left === EmptyCoroutineContext)
CombinedContext(element, interceptor) else\n CombinedContext(CombinedContext(left, element),
interceptor)\n }\n }\n }\n\n /**\n * Returns a context containing elements from this
context, but without an element with\n * the specified [key].\n */\n public fun minusKey(key: Key<*>):
CoroutineContext\n\n /**\n * Key for the elements of [CoroutineContext]. [E] is a type of element with this
key.\n */\n public interface Key<E : Element>\n\n /**\n * An element of the [CoroutineContext]. An
element of the coroutine context is a singleton context by itself.\n */\n public interface Element :
CoroutineContext {\n /**\n * A key of this coroutine context element.\n */\n public val key:
Key<*>\n\n public override operator fun <E : Element> get(key: Key<E>): E? =\n
@Suppress("UNCHECKED_CAST")\n if (this.key == key) this as E else null\n\n public override fun
<R> fold(initial: R, operation: (R, Element) -> R): R =\n operation(initial, this)\n\n public override fun
minusKey(key: Key<*>): CoroutineContext =\n if (this.key == key) EmptyCoroutineContext else this\n
}\n\n",/>\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\nimport kotlin.coroutines\n\nimport kotlin.io.Serializable\n\n/**\n * Base class for [CoroutineContext.Element] implementations.\n
*/\n@SinceKotlin("1.3")\npublic abstract class AbstractCoroutineContextElement(public override val key:
Key<*>) : Element\n\n /**\n * An empty coroutine context.\n */\n@SinceKotlin("1.3")\npublic object
EmptyCoroutineContext : CoroutineContext, Serializable {\n private const val serialVersionUID: Long = 0\n
private fun readResolve(): Any = EmptyCoroutineContext\n\n public override fun <E : Element> get(key:

```

```

Key<E>(): E? = null\n  public override fun <R> fold(initial: R, operation: (R, Element) -> R): R = initial\n  public
override fun plus(context: CoroutineContext): CoroutineContext = context\n  public override fun minusKey(key:
Key<*>): CoroutineContext = this\n  public override fun hashCode(): Int = 0\n  public override fun toString():
String = \"EmptyCoroutineContext\"\n\n//----- internal impl ----- \n\n// this class is not
exposed, but is hidden inside implementations\n// this is a left-biased list, so that `plus` works
naturally\n@SinceKotlin(\"1.3\")\ninternal class CombinedContext(\n  private val left: CoroutineContext,\n  private val element: Element\n) : CoroutineContext, Serializable {\n  override fun <E : Element> get(key:
Key<E>): E? {\n    var cur = this\n    while (true) {\n      cur.element[key]?.let { return it }\n      val next
= cur.left\n      if (next is CombinedContext) {\n        cur = next\n      } else {\n        return
next[key]\n      }\n    }\n  }\n  public override fun <R> fold(initial: R, operation: (R, Element) -> R): R =\n    operation(left.fold(initial, operation), element)\n  public override fun minusKey(key: Key<*>):
CoroutineContext {\n    element[key]?.let { return left }\n    val newLeft = left.minusKey(key)\n    return
when {\n      newLeft === left -> this\n      newLeft === EmptyCoroutineContext -> element\n      else ->
CombinedContext(newLeft, element)\n    }\n  }\n  private fun size(): Int {\n    var cur = this\n    var size
= 2\n    while (true) {\n      cur = cur.left as? CombinedContext ?: return size\n      size++\n    }\n  }\n  private fun contains(element: Element): Boolean =\n    get(element.key) == element\n  private fun
containsAll(context: CombinedContext): Boolean {\n    var cur = context\n    while (true) {\n      if
(!contains(cur.element)) return false\n      val next = cur.left\n      if (next is CombinedContext) {\n
cur = next\n      } else {\n        return contains(next as Element)\n      }\n    }\n  }\n  override fun
equals(other: Any?): Boolean =\n    this === other || other is CombinedContext && other.size() == size() &&
other.containsAll(this)\n  override fun hashCode(): Int = left.hashCode() + element.hashCode()\n  override
fun toString(): String =\n    \"[\" + fold(\"\") { acc, element ->\n      if (acc.isEmpty()) element.toString() else
\"$acc, $element\"\n    } + \"]\"\n  private fun writeReplace(): Any {\n    val n = size()\n    val elements =
arrayOfNulls<CoroutineContext>(n)\n    var index = 0\n    fold(Unit) { _, element -> elements[index++] =
element }\n    check(index == n)\n    @Suppress(\"UNCHECKED_CAST\")\n    return Serialized(elements
as Array<CoroutineContext>)\n  }\n  private class Serialized(val elements: Array<CoroutineContext>) :
Serializable {\n    companion object {\n      private const val serialVersionUID: Long = 0L\n    }\n    private fun readResolve(): Any = elements.fold(EmptyCoroutineContext, CoroutineContext::plus)\n  }\n}\n\n/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code
is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n\n
*/\n\n@file:kotlin.jvm.JvmName(\"IntrinsicsKt\")\n@file:kotlin.jvm.JvmMultifileClass\n\npackage
kotlin.coroutines.intrinsics\n\nimport kotlin.coroutines.*\nimport kotlin.internal.InlineOnly\n\n/**\n * Obtains the
current continuation instance inside suspend functions and either suspends\n * currently running coroutine or returns
result immediately without suspension.\n * \n * If the [block] returns the special [COROUTINE_SUSPENDED]
value, it means that suspend function did suspend the execution and will\n * not return any result immediately. In
this case, the [Continuation] provided to the [block] shall be\n * resumed by invoking [Continuation.resumeWith] at
some moment in the\n * future when the result becomes available to resume the computation.\n * \n * Otherwise, the
return value of the [block] must have a type assignable to [T] and represents the result of this suspend function.\n *
It means that the execution was not suspended and the [Continuation] provided to the [block] shall not be invoked.\n
* \n * As the result type of the [block] is declared as `Any?` and cannot be correctly type-checked,\n * its proper return
type remains on the conscience of the suspend function's author.\n * \n * Invocation of [Continuation.resumeWith]
resumes coroutine directly in the invoker's thread without going through the\n * [ContinuationInterceptor] that might
be present in the coroutine's [CoroutineContext].\n * It is the invoker's responsibility to ensure that a proper
invocation context is established.\n * [Continuation.intercepted] can be used to acquire the intercepted
continuation.\n * \n * Note that it is not recommended to call either [Continuation.resume] nor
[Continuation.resumeWithException] functions synchronously\n * in the same stackframe where suspension
function is run. Use [suspendCoroutine] as a safer way to obtain current\n * continuation instance.\n\n
*/\n\n@SinceKotlin(\"1.3\")\n@InlineOnly\n@Suppress(\"UNUSED_PARAMETER\",

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\`RedundantSuspendModifier\`)npublic suspend inline fun <T>
suspendCoroutineUninterceptedOrReturn(crossinline block: (Continuation<T>) -> Any?): T =\n throw
NotImplementedError("Implementation of suspendCoroutineUninterceptedOrReturn is intrinsic")\n\n/**\n * This
value is used as a return value of [suspendCoroutineUninterceptedOrReturn] `block` argument to state that\n * the
execution was suspended and will not return any result immediately.\n * \n * **Note: this value should not be used
in general code.** Using it outside of the context of\n * `suspendCoroutineUninterceptedOrReturn` function return
value (including, but not limited to,\n * storing this value in other properties, returning it from other functions,
etc)\n * can lead to unspecified behavior of the code.\n */\n// It is implemented as property with getter to avoid
ProGuard <clinit> problem with multifile IntrinsicKt class\n@SinceKotlin("1.3")npublic val
COROUTINE_SUSPENDED: Any get() = CoroutineSingletons.COROUTINE_SUSPENDED\n\n// Using enum
here ensures two important properties:\n// 1. It makes SafeContinuation serializable with all kinds of serialization
frameworks (since all of them natively support enums)\n// 2. It improves debugging experience, since you clearly
see toString() value of those objects and what package they come from\n@SinceKotlin("1.3")\n@PublishedApi //
This class is Published API via serialized representation of SafeContinuation, don't rename/move\ninternal enum
class CoroutineSingletons { COROUTINE_SUSPENDED, UNDECIDED, RESUMED }n","/*\n * Copyright
2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed
by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage
kotlin.experimental\n\n/** Performs a bitwise AND operation between the two values.
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline infix fun Byte.and(other: Byte): Byte =
(this.toInt() and other.toInt()).toByte()\n\n/** Performs a bitwise OR operation between the two values.
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline infix fun Byte.or(other: Byte): Byte =
(this.toInt() or other.toInt()).toByte()\n\n/** Performs a bitwise XOR operation between the two values.
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline infix fun Byte.xor(other: Byte): Byte =
(this.toInt() xor other.toInt()).toByte()\n\n/** Inverts the bits in this value.
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun Byte.inv(): Byte =
(this.toInt().inv()).toByte()\n\n/** Performs a bitwise AND operation between the two values.
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline infix fun Short.and(other: Short): Short =
(this.toInt() and other.toInt()).toShort()\n\n/** Performs a bitwise OR operation between the two values.
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline infix fun Short.or(other: Short): Short =
(this.toInt() or other.toInt()).toShort()\n\n/** Performs a bitwise XOR operation between the two values.
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline infix fun Short.xor(other: Short): Short =
(this.toInt() xor other.toInt()).toShort()\n\n/** Inverts the bits in this value.
*\n@SinceKotlin("1.1")\n@kotlin.internal.InlineOnly\npublic inline fun Short.inv(): Short =
(this.toInt().inv()).toShort()\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.experimental\n\n/**\n * The experimental marker for type
inference augmenting annotations.\n * \n * Any usage of a declaration annotated with
`@ExperimentalTypeInference` must be accepted either by\n * annotating that usage with the [UseExperimental]
annotation, e.g. `@UseExperimental(ExperimentalTypeInference::class)`,\n * or by using the compiler argument `
-Xuse-experimental=kotlin.experimental.ExperimentalTypeInference`.\n */\n@Experimental(level =
Experimental.Level.ERROR)\n@MustBeDocumented\n@Retention(AnnotationRetention.BINARY)\n@Target(An
notationTarget.ANNOTATION_CLASS)\n@SinceKotlin("1.3")npublic annotation class
ExperimentalTypeInference\n","/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language
contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n */\n\npackage kotlin.internal\n\n/**\n * Specifies that the corresponding type should be
ignored during type inference.\n */\n@Target(AnnotationTarget.TYPE)\n@Retention(AnnotationRetention.BINARY)\ninternal annotation class
NoInfer\n\n/**\n * Specifies that the constraint built for the type during type inference should be an equality one.\n

```

`*\n@Target(AnnotationTarget.TYPE)\n@Retention(AnnotationRetention.BINARY)\n`internal annotation class
`Exact\n\n/**\n * Specifies that a corresponding member has the lowest priority in overload resolution.\n`
`*\n@Target(AnnotationTarget.FUNCTION,`
`AnnotationTarget.PROPERTY)\n@Retention(AnnotationRetention.BINARY)\n`internal annotation class
`LowPriorityInOverloadResolution\n\n/**\n * Specifies that the corresponding member has the highest priority in`
`overload resolution. Effectively this means that\n * an extension annotated with this annotation will win in overload`
`resolution over a member with the same signature.\n *\n@Target(AnnotationTarget.FUNCTION,`
`AnnotationTarget.PROPERTY)\n@Retention(AnnotationRetention.BINARY)\n`internal annotation class
`HidesMembers\n\n/**\n * The value of this type parameter should be mentioned in input types (argument types,`
`receiver type or expected type).\n`
`*\n@Target(AnnotationTarget.TYPE_PARAMETER)\n@Retention(AnnotationRetention.BINARY)\n`internal
`annotation class OnlyInputTypes\n\n/**\n * Specifies that this function should not be called directly without`
`inlining\n *\n@Target(AnnotationTarget.FUNCTION, AnnotationTarget.PROPERTY,`
`AnnotationTarget.PROPERTY_GETTER,`
`AnnotationTarget.PROPERTY_SETTER)\n@Retention(AnnotationRetention.BINARY)\n`internal annotation class
`InlineOnly\n\n/**\n * Specifies that this declaration can have dynamic receiver type.\n`
`*\n@Target(AnnotationTarget.FUNCTION,`
`AnnotationTarget.PROPERTY)\n@Retention(AnnotationRetention.BINARY)\n`internal annotation class
`DynamicExtension\n\n/**\n * The value of this parameter should be a property reference expression (`this::foo`),`
`referencing a `lateinit` property,\n * the backing field of which is accessible at the point where the corresponding`
`argument is passed.\n`
`*\n@Target(AnnotationTarget.VALUE_PARAMETER)\n@Retention(AnnotationRetention.BINARY)\n@SinceK`
`otlin("1.2")\n`internal annotation class `AccessibleLateinitPropertyLiteral\n\n/**\n * Specifies that this declaration is`
`only completely supported since the specified version.\n *\n * The Kotlin compiler of an earlier version is going to`
`report a diagnostic on usages of this declaration.\n * The diagnostic message can be specified with [message], or via`
`[errorCode] (takes less space, but might not be immediately clear\n * to the user). The diagnostic severity can be`
`specified with [level]: WARNING/ERROR mean that either a warning or an error\n * is going to be reported,`
`HIDDEN means that the declaration is going to be removed from resolution completely.\n *\n * [versionKind]`
`specifies which version should be compared with the [version] value, when compiling the usage of the annotated`
`declaration.\n * Note that prior to 1.2, only [RequireKotlinVersionKind.LANGUAGE_VERSION] was supported,`
`so the Kotlin compiler before 1.2 is going to\n * treat any [RequireKotlin] as if it requires the language version.`
`Since 1.2, the Kotlin compiler supports\n * [RequireKotlinVersionKind.LANGUAGE_VERSION],`
`[RequireKotlinVersionKind.COMPILER_VERSION] and [RequireKotlinVersionKind.API_VERSION].\n * If the`
`actual value of [versionKind] is something different (e.g. a new version kind, added in future versions of Kotlin),\n *`
`Kotlin 1.2 is going to ignore this [RequireKotlin] altogether, where as Kotlin before 1.2 is going to treat this as a`
`requirement\n * on the language version.\n *\n * This annotation is erased at compile time; its arguments are stored`
`in a more compact form in the Kotlin metadata.\n *\n@Target(AnnotationTarget.CLASS,`
`AnnotationTarget.FUNCTION, AnnotationTarget.PROPERTY, AnnotationTarget.CONSTRUCTOR,`
`AnnotationTarget.TYPEALIAS)\n@Retention(AnnotationRetention.SOURCE)\n@Repeatable\n@SinceKotlin("1.`
`2")\n`internal annotation class `RequireKotlin(\n val version: String,\n val message: String = "",\n val level:`
`DeprecationLevel = DeprecationLevel.ERROR,\n val versionKind: RequireKotlinVersionKind =`
`RequireKotlinVersionKind.LANGUAGE_VERSION,\n val errorCode: Int = -1)\n\n/**\n * The kind of the`
`version that is required by [RequireKotlin].\n *\n@SinceKotlin("1.2")\n`internal enum class
`RequireKotlinVersionKind {\n LANGUAGE_VERSION,\n COMPILER_VERSION,\n`
`API_VERSION,\n}\n\n/**\n * Specifies that this declaration is a part of special DSL, used for constructing`
`function's contract.\n *\n@Retention(AnnotationRetention.BINARY)\n@SinceKotlin("1.2")\n`internal annotation
`class ContractsDsl\n"/>\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language`
`contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the`

```

license/LICENSE.txt file.\n */\npackage kotlin.properties\nimport kotlin.reflect.KProperty\n\n/**\n * Standard  
property delegates.\n */\npublic object Delegates {\n    /**\n     * Returns a property delegate for a read/write  
property with a non-`null` value that is initialized not during  
object construction time but at a later time.  
Trying to read the property before the initial value has been  
assigned results in an exception.\n     *\n     * @sample samples.properties.Delegates.notNullDelegate\n     *\n     */\n    public fun <T : Any> notNull():  
ReadWriteProperty<Any?, T> = NotNullVar()\n\n    /**\n     * Returns a property delegate for a read/write property  
that calls a specified callback function when changed.\n     * @param initialValue the initial value of the property.\n     * @param onChange the callback which is called after the change of the property is made. The value of the  
property has already been changed when this callback is invoked.\n     *\n     * @sample  
samples.properties.Delegates.observableDelegate\n     *\n     */\n    public inline fun <T> observable(initialValue: T,  
crossinline onChange: (property: KProperty<*>, oldValue: T, newValue: T) -> Unit):\nReadWriteProperty<Any?, T> =\n    object : ObservableProperty<T>(initialValue) {\n        override fun  
afterChange(property: KProperty<*>, oldValue: T, newValue: T) = onChange(property, oldValue, newValue)\n    }\n\n    /**\n     * Returns a property delegate for a read/write property that calls a specified callback function when  
changed,\n     * allowing the callback to veto the modification.\n     * @param initialValue the initial value of the  
property.\n     * @param onChange the callback which is called before a change to the property value is attempted.\n     *\n     * The value of the property hasn't been changed yet, when this callback is invoked.\n     * If the callback returns  
`true` the value of the property is being set to the new value,\n     * and if the callback returns `false` the new value  
is discarded and the property remains its old value.\n     *\n     * @sample  
samples.properties.Delegates.vetoableDelegate\n     *\n     * @sample  
samples.properties.Delegates.throwVetoableDelegate\n     *\n     */\n    public inline fun <T> vetoable(initialValue: T,  
crossinline onChange: (property: KProperty<*>, oldValue: T, newValue: T) -> Boolean):\nReadWriteProperty<Any?, T> =\n    object : ObservableProperty<T>(initialValue) {\n        override fun  
beforeChange(property: KProperty<*>, oldValue: T, newValue: T): Boolean = onChange(property, oldValue,  
newValue)\n    }\n\n\nprivate class NotNullVar<T : Any>(): ReadWriteProperty<Any?, T> {\n    private var  
value: T? = null\n\n    public override fun getValue(thisRef: Any?, property: KProperty<*>): T {\n        return value  
?: throw IllegalStateException("Property ${property.name} should be initialized before get.")\n    }\n\n    public  
override fun setValue(thisRef: Any?, property: KProperty<*>, value: T) {\n        this.value = value\n    }\n}\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of  
this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n */\npackage kotlin.properties\nimport kotlin.reflect.KProperty\n\n/**\n * Implements the core logic of a  
property delegate for a read/write property that calls callback functions when changed.\n * @param initialValue the  
initial value of the property.\n */\npublic abstract class ObservableProperty<T>(initialValue: T) :  
ReadWriteProperty<Any?, T> {\n    private var value = initialValue\n\n    /**\n     * The callback which is called  
before a change to the property value is attempted.\n     * The value of the property hasn't been changed yet, when  
this callback is invoked.\n     * If the callback returns `true` the value of the property is being set to the new value,\n     * and if the callback returns `false` the new value is discarded and the property remains its old value.\n     *\n     */\n    protected open fun beforeChange(property: KProperty<*>, oldValue: T, newValue: T): Boolean = true\n\n    /**\n     * The callback which is called after the change of the property is made. The value of the property has already  
been changed when this callback is invoked.\n     *\n     */\n    protected open fun afterChange(property: KProperty<*>,  
oldValue: T, newValue: T): Unit {} \n\n    public override fun getValue(thisRef: Any?, property: KProperty<*>): T  
{\n        return value\n    }\n\n    public override fun setValue(thisRef: Any?, property: KProperty<*>, value: T) {\n        val oldValue = this.value\n        if (!beforeChange(property, oldValue, value)) {\n            return\n        }\n        this.value = value\n        afterChange(property, oldValue, value)\n    }\n}\n\n"/*\n * Copyright 2010-2018 JetBrains  
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0  
license that can be found in the license/LICENSE.txt file.\n */\n */\npackage kotlin.random\nimport  
kotlin.math.nextDown\n\n/**\n * An abstract class that is implemented by random number generator algorithms.\n */\n * The companion object [Random.Default] is the default instance of [Random].\n * To get a seeded instance

```

```

of random generator use [Random] function.\n *\n * @sample samples.random.Randoms.defaultRandom\n
*/\n@SinceKotlin("1.3")\npublic abstract class Random {\n\n /**\n * Gets the next random [bitCount] number
of bits.\n *\n * Generates an `Int` whose lower [bitCount] bits are filled with random values and the remaining
upper bits are zero.\n *\n * @param bitCount number of bits to generate, must be in range 0..32, otherwise the
behavior is unspecified.\n */\n public abstract fun nextBits(bitCount: Int): Int\n\n /**\n * Gets the next
random `Int` from the random number generator.\n *\n * Generates an `Int` random value uniformly distributed
between `Int.MIN_VALUE` and `Int.MAX_VALUE` (inclusive).\n */\n public open fun nextInt(): Int =
nextInt(32)\n\n /**\n * Gets the next random non-negative `Int` from the random number generator less than
the specified [until] bound.\n *\n * Generates an `Int` random value uniformly distributed between `0`
(inclusive) and the specified [until] bound (exclusive).\n *\n * @param until must be positive.\n *\n *
@throws IllegalArgumentException if [until] is negative or zero.\n */\n public open fun nextInt(until: Int): Int =
nextInt(0, until)\n\n /**\n * Gets the next random `Int` from the random number generator in the specified
range.\n *\n * Generates an `Int` random value uniformly distributed between the specified [from] (inclusive)
and [until] (exclusive) bounds.\n *\n * @throws IllegalArgumentException if [from] is greater than or equal to
[until].\n */\n public open fun nextInt(from: Int, until: Int): Int {\n    checkRangeBounds(from, until)\n
val n = until - from\n    if (n > 0 || n == Int.MIN_VALUE) {\n        val rnd = if (n and -n == n) {\n            val
bitCount = fastLog2(n)\n            nextBits(bitCount)\n        } else {\n            var v: Int\n            do {\n
                val bits = nextInt().ushr(1)\n                v = bits % n\n            } while (bits - v + (n - 1) < 0)\n            v\n
        }\n        return from + rnd\n    } else {\n        while (true) {\n            val rnd = nextInt()\n            if
(rnd in from until until) return rnd\n        }\n    }\n}\n\n /**\n * Gets the next random `Long` from the
random number generator.\n *\n * Generates a `Long` random value uniformly distributed between
`Long.MIN_VALUE` and `Long.MAX_VALUE` (inclusive).\n */\n public open fun nextLong(): Long =
nextInt().toLong().shl(32) + nextInt()\n\n /**\n * Gets the next random non-negative `Long` from the random
number generator less than the specified [until] bound.\n *\n * Generates a `Long` random value uniformly
distributed between `0` (inclusive) and the specified [until] bound (exclusive).\n *\n * @param until must be
positive.\n *\n * @throws IllegalArgumentException if [until] is negative or zero.\n */\n public open fun
nextLong(until: Long): Long = nextLong(0, until)\n\n /**\n * Gets the next random `Long` from the random
number generator in the specified range.\n *\n * Generates a `Long` random value uniformly distributed
between the specified [from] (inclusive) and [until] (exclusive) bounds.\n *\n * @throws
IllegalArgumentException if [from] is greater than or equal to [until].\n */\n public open fun nextLong(from:
Long, until: Long): Long {\n    checkRangeBounds(from, until)\n    val n = until - from\n    if (n > 0) {\n
        val rnd: Long\n        if (n and -n == n) {\n            val nLow = n.toInt()\n            val nHigh = (n ushr
32).toInt()\n            rnd = when {\n                nLow != 0 -> {\n                    val bitCount = fastLog2(nLow)\n
                    // toUInt().toLong()\n                    nextBits(bitCount).toLong() and 0xFFFF_FFFF\n                }\n
                nHigh == 1 ->{\n                    // toUInt().toLong()\n                    nextInt().toLong() and
0xFFFF_FFFF\n                }\n                else -> {\n                    val bitCount = fastLog2(nHigh)\n
                    nextBits(bitCount).toLong().shl(32) + nextInt()\n                }\n            }\n        } else {\n            var v:
Long\n            do {\n                val bits = nextLong().ushr(1)\n                v = bits % n\n            } while (bits
- v + (n - 1) < 0)\n            rnd = v\n        }\n        return from + rnd\n    } else {\n        while (true) {\n
            val rnd = nextLong()\n            if (rnd in from until until) return rnd\n        }\n    }\n}\n\n /**\n *
Gets the next random [Boolean] value.\n */\n public open fun nextBoolean(): Boolean = nextBits(1) != 0\n\n /**\n *
Gets the next random [Double] value uniformly distributed between 0 (inclusive) and 1 (exclusive).\n */\n
public open fun nextDouble(): Double = doubleFromParts(nextBits(26), nextBits(27))\n\n /**\n * Gets
the next random non-negative `Double` from the random number generator less than the specified [until] bound.\n
*\n * Generates a `Double` random value uniformly distributed between 0 (inclusive) and [until] (exclusive).\n
*\n * @throws IllegalArgumentException if [until] is negative or zero.\n */\n public open fun
nextDouble(until: Double): Double = nextDouble(0.0, until)\n\n /**\n * Gets the next random `Double` from
the random number generator in the specified range.\n *\n * Generates a `Double` random value uniformly

```

```

distributed between the specified [from] (inclusive) and [until] (exclusive) bounds.\n
*\n
* [from] and [until] must be finite otherwise the behavior is unspecified.\n
*\n
* @throws IllegalArgumentException if [from] is greater than or equal to [until].\n
*/\n
public open fun nextDouble(from: Double, until: Double): Double {\n
    checkRangeBounds(from, until)\n
    val size = until - from\n
    val r = if (size.isInfinite() && from.isFinite() && until.isFinite()) {\n
        val r1 = nextDouble() * (until / 2 - from / 2)\n
        from + r1 + r1\n
    } else {\n
        from + nextDouble() * size\n
    }\n
    return if (r >= until) until.nextDown() else r\n
}\n\n
/**\n
 * Gets the next random [Float] value uniformly distributed between 0 (inclusive) and 1 (exclusive).\n
 */\n
public open fun nextFloat(): Float = nextBits(24) / (1 shl 24).toFloat()\n\n
/**\n
 * Fills a subrange of the specified byte [array] starting from [fromIndex] inclusive and ending [toIndex] exclusive\n
 * with random bytes.\n
 */\n
* @return [array] with the subrange filled with random bytes.\n
*/\n
public open fun nextBytes(array: ByteArray, fromIndex: Int = 0, toIndex: Int = array.size): ByteArray {\n
    require(fromIndex in 0..array.size && toIndex in 0..array.size) {\n
        \"fromIndex ($fromIndex) or toIndex ($toIndex) are out of range: 0..${array.size}.\" }\n
    require(fromIndex <= toIndex) {\n
        \"fromIndex ($fromIndex) must be not greater than toIndex ($toIndex).\" }\n\n
    val steps = (toIndex - fromIndex) / 4\n
    var position = fromIndex\n
    repeat(steps) {\n
        val v = nextInt()\n
        array[position] = v.toByte()\n
        array[position + 1] = v.ushr(8).toByte()\n
        array[position + 2] = v.ushr(16).toByte()\n
        array[position + 3] = v.ushr(24).toByte()\n
        position += 4\n
    }\n\n
    val remainder = toIndex - position\n
    val vr = nextBits(remainder * 8)\n
    for (i in 0 until remainder) {\n
        array[position + i] = vr.ushr(i * 8).toByte()\n
    }\n\n
    return array\n
}\n\n
/**\n
 * Fills the specified byte [array] with random bytes and returns it.\n
 */\n
* @return [array] filled with random bytes.\n
*/\n
public open fun nextBytes(array: ByteArray): ByteArray = nextBytes(array, 0, array.size)\n\n
/**\n
 * Creates a byte array of the specified [size], filled with random bytes.\n
 */\n
public open fun nextBytes(size: Int): ByteArray = nextBytes(ByteArray(size))\n\n\n
/**\n
 * The default random number generator.\n
 */\n
* On JVM this generator is thread-safe, its methods can be invoked from multiple threads.\n
*/\n
* @sample samples.random.Randoms.defaultRandom\n
*/\n
companion object Default : Random() {\n
    private val defaultRandom: Random = defaultPlatformRandom()\n\n
    override fun nextBits(bitCount: Int): Int = defaultRandom.nextBits(bitCount)\n
    override fun nextInt(): Int = defaultRandom.nextInt()\n
    override fun nextInt(until: Int): Int = defaultRandom.nextInt(until)\n
    override fun nextInt(from: Int, until: Int): Int = defaultRandom.nextInt(from, until)\n\n
    override fun nextLong(): Long = defaultRandom.nextLong()\n
    override fun nextLong(until: Long): Long = defaultRandom.nextLong(until)\n
    override fun nextLong(from: Long, until: Long): Long = defaultRandom.nextLong(from, until)\n\n
    override fun nextBoolean(): Boolean = defaultRandom.nextBoolean()\n\n
    override fun nextDouble(): Double = defaultRandom.nextDouble()\n
    override fun nextDouble(until: Double): Double = defaultRandom.nextDouble(until)\n
    override fun nextDouble(from: Double, until: Double): Double = defaultRandom.nextDouble(from, until)\n\n
    override fun nextFloat(): Float = defaultRandom.nextFloat()\n\n
    override fun nextBytes(array: ByteArray): ByteArray = defaultRandom.nextBytes(array)\n
    override fun nextBytes(size: Int): ByteArray = defaultRandom.nextBytes(size)\n
    override fun nextBytes(array: ByteArray, fromIndex: Int, toIndex: Int): ByteArray = defaultRandom.nextBytes(array, fromIndex, toIndex)\n\n
    @Deprecated(\"Use Default companion object instead\", level = DeprecationLevel.HIDDEN)\n
    @Suppress(\"DEPRECATION_ERROR\")\n
    @kotlin.jvm.JvmField\n
    public val Companion: Random.Companion = Random.Companion\n
}\n\n
@Deprecated(\"Use Default companion object instead\", level = DeprecationLevel.HIDDEN)\n
public object Companion : Random() {\n
    override fun nextBits(bitCount: Int): Int = Default.nextBits(bitCount)\n
}\n\n\n
/**\n
 * Returns a repeatable random number generator seeded with the given [seed] `Int` value.\n
 */\n
* Two generators with the same seed produce the same sequence of values within the same version of Kotlin runtime.\n
*/\n
* *Note:* Future versions of Kotlin may change the algorithm of this seeded number generator so that it will return\n
* a sequence of values different from the current one for a given seed.\n
*/\n
* @sample samples.random.Randoms.seededRandom\n
*/\n
@SinceKotlin(\"1.3\")\n
public fun Random(seed: Int): Random = XorWowRandom(seed, seed.shr(31))\n\n\n
/**\n
 * Returns a repeatable random number generator seeded with the given [seed] `Long` value.\n
 */\n
* Two generators with the same seed produce the same sequence of values within

```


the same version of Kotlin runtime.

*Note: Future versions of Kotlin may change the algorithm of this seeded number generator so that it will return a sequence of values different from the current one for a given seed.

@sample samples.random.Randoms.seededRandom

```

@SinceKotlin("1.3")
public fun
Random(seed: Long): Random = XorWowRandom(seed.toInt(), seed.shr(32).toInt())

Gets the next
random Int from the random number generator in the specified [range].
Generates an Int random value
uniformly distributed in the specified [range]:
from range.start inclusive to range.endInclusive inclusive.

@throws IllegalArgumentException if [range] is empty.

@SinceKotlin("1.3")
public fun
Random.nextInt(range: IntRange): Int = when {
    range.isEmpty() -> throw IllegalArgumentException("Cannot
get random in empty range: $range")
    range.last < Int.MAX_VALUE -> nextInt(range.first, range.last + 1)
    range.first > Int.MIN_VALUE -> nextInt(range.first - 1, range.last) + 1
    else -> nextInt()
}

Gets the
next random Long from the random number generator in the specified [range].
Generates a Long random
value uniformly distributed in the specified [range]:
from range.start inclusive to range.endInclusive
inclusive.

@throws IllegalArgumentException if [range] is empty.

@SinceKotlin("1.3")
public fun
Random.nextLong(range: LongRange): Long = when {
    range.isEmpty() -> throw
IllegalArgumentException("Cannot get random in empty range: $range")
    range.last < Long.MAX_VALUE ->
nextLong(range.first, range.last + 1)
    range.first > Long.MIN_VALUE -> nextLong(range.first - 1, range.last) +
1
    else -> nextLong()
}

internal expect fun defaultPlatformRandom(): Random
internal expect fun
doubleFromParts(hi26: Int, low27: Int): Double

@UseExperimental(ExperimentalStdlibApi::class)
internal fun
fastLog2(value: Int): Int = 31 - value.countLeadingZeroBits()

Takes upper [bitCount] bits (0..32) from this
number.

internal fun Int.takeUpperBits(bitCount: Int): Int =
    this.ushr(32 - bitCount) and (-
bitCount).shr(31)

internal fun checkRangeBounds(from: Int, until: Int) = require(until > from) {
    boundsErrorMessage(from, until)
}

internal fun checkRangeBounds(from: Long, until: Long) = require(until >
from) { boundsErrorMessage(from, until)
}

internal fun checkRangeBounds(from: Double, until: Double) =
require(until > from) { boundsErrorMessage(from, until)
}

internal fun boundsErrorMessage(from: Any, until:
Any) = "Random range is empty: [$from, $until]."

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found in the license/LICENSE.txt file.

package kotlin.random

Gets the next random [UInt]
from the random number generator.
Generates a [UInt] random value uniformly distributed between
[UInt.MIN_VALUE] and [UInt.MAX_VALUE] (inclusive).

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun Random.nextUInt(): UInt =
nextInt().toUInt()

Gets the next random [UInt] from the random number generator less than the specified
[until] bound.
Generates a [UInt] random value uniformly distributed between 0 (inclusive) and the
specified [until] bound (exclusive).

@throws IllegalArgumentException if [until] is zero.

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun Random.nextUInt(until: UInt): UInt =
nextUInt(0u, until)

Gets the next random [UInt] from the random number generator in the specified
range.
Generates a [UInt] random value uniformly distributed between the specified [from] (inclusive) and
[until] (exclusive) bounds.

@throws IllegalArgumentException if [from] is greater than or equal to [until].

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun Random.nextUInt(from: UInt, until: UInt):
UInt {
    checkUIntRangeBounds(from, until)
    val signedFrom = from.toInt() xor Int.MIN_VALUE
    val signedUntil = until.toInt() xor Int.MIN_VALUE
    val signedResult = nextInt(signedFrom, signedUntil) xor
Int.MIN_VALUE
    return signedResult.toUInt()
}

Gets the next random [UInt] from the random
number generator in the specified [range].
Generates a [UInt] random value uniformly distributed in the
specified [range]:
from range.start inclusive to range.endInclusive inclusive.

@throws
IllegalArgumentException if [range] is empty.

@SinceKotlin("1.3")
@ExperimentalUnsignedTypes
public fun
Random.nextUInt(range: UIntRange): UInt = when {
    range.isEmpty() -> throw
IllegalArgumentException("Cannot get random in empty range: $range")
    range.last < UInt.MAX_VALUE ->
nextUInt(range.first, range.last + 1u)
    range.first > UInt.MIN_VALUE -> nextUInt(range.first - 1u, range.last) +
1u
    else -> nextUInt()
}

Gets the next random [ULong] from the random number generator.

```

```

Generates a [ULong] random value uniformly distributed between [ULong.MIN_VALUE] and
[ULong.MAX_VALUE] (inclusive).\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Random.nextULong(): ULong = nextLong().toULong()\n\n/**\n * Gets the next random [ULong] from the random
number generator less than the specified [until] bound.\n *\n * Generates a [ULong] random value uniformly
distributed between `0` (inclusive) and the specified [until] bound (exclusive).\n *\n * @throws
IllegalArgumentOutOfRangeException if [until] is zero.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic
fun Random.nextULong(until: ULong): ULong = nextULong(0uL, until)\n\n/**\n * Gets the next random [ULong]
from the random number generator in the specified range.\n *\n * Generates a [ULong] random value uniformly
distributed between the specified [from] (inclusive) and [until] (exclusive) bounds.\n *\n * @throws
IllegalArgumentOutOfRangeException if [from] is greater than or equal to [until].\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun Random.nextULong(from: ULong, until:
ULong): ULong {\n    checkULongRangeBounds(from, until)\n\n    val signedFrom = from.toLong() xor
Long.MIN_VALUE\n    val signedUntil = until.toLong() xor Long.MIN_VALUE\n\n    val signedResult =
nextLong(signedFrom, signedUntil) xor Long.MIN_VALUE\n    return signedResult.toULong()\n}\n\n/**\n * Gets
the next random [ULong] from the random number generator in the specified [range].\n *\n * Generates a [ULong]
random value uniformly distributed in the specified [range]:\n * from `range.start` inclusive to `range.endInclusive`
inclusive.\n *\n * @throws IllegalArgumentOutOfRangeException if [range] is empty.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun Random.nextULong(range: ULongRange):
ULong = when {\n    range.isEmpty() -> throw IllegalArgumentOutOfRangeException("Cannot get random in empty range:
$range")\n    range.last < ULong.MAX_VALUE -> nextULong(range.first, range.last + 1u)\n    range.first >
ULong.MIN_VALUE -> nextULong(range.first - 1u, range.last) + 1u\n    else -> nextULong()\n}\n\n/**\n * Fills
the specified unsigned byte [array] with random bytes and returns it.\n *\n * @return [array] filled with random
bytes.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun Random.nextUBytes(array:
UByteArray): UByteArray {\n    nextBytes(array.asByteArray())\n    return array\n}\n\n/**\n * Creates an unsigned
byte array of the specified [size], filled with random bytes.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun Random.nextUBytes(size: Int): UByteArray
= nextBytes(size).asUByteArray()\n\n/**\n * Fills a subrange of the specified `UByte` [array] starting from
[fromIndex] inclusive and ending [toIndex] exclusive with random UBytes.\n *\n * @return [array] with the
subrange filled with random bytes.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
Random.nextUBytes(array: UByteArray, fromIndex: Int = 0, toIndex: Int = array.size): UByteArray {\n
    nextBytes(array.asByteArray(), fromIndex, toIndex)\n    return
array\n}\n\n@ExperimentalUnsignedTypes\ninternal fun checkUIntRangeBounds(from: UInt, until: UInt) =
require(until > from) { boundsErrorMessage(from, until) }\n@ExperimentalUnsignedTypes\ninternal fun
checkULongRangeBounds(from: ULong, until: ULong) = require(until > from) { boundsErrorMessage(from, until)
}\n"/**\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this
source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\npackage kotlin.random\n\n/**\n * Random number generator, algorithm "xorwow" from p. 5 of Marsaglia,
"Xorshift RNGs".\n *\n * Cycles after 2^160 * (2^32-1) repetitions.\n *\n * See
http://www.jstatsoft.org/v08/i14/paper for details.\n
*/\ninternal class XorWowRandom\ninternal constructor(\n    private var x: Int,\n    private var y: Int,\n    private var z: Int,\n    private var w: Int,\n    private var v: Int,\n    private
var addend: Int\n) : Random() {\n    internal constructor(seed1: Int, seed2: Int) : this(seed1, seed2, 0, 0,
seed1.inv(), (seed1 shl 10) xor (seed2 ushr 4))\n\n    init {\n        require((x or y or z or w or v) != 0) { "Initial state
must have at least one non-zero element." }\n\n        // some trivial seeds can produce several values with zeroes in
upper bits, so we discard first 64\n        repeat(64) { nextInt() }\n\n        override fun nextInt(): Int {\n
            var t =
x\n            t = t xor (t ushr 2)\n            x = y\n            y = z\n            z = w\n            val v0 = v\n            w = v0\n            t = (t xor (t shl
1)) xor v0 xor (v0 shl 4)\n            v = t\n            addend += 362437\n            return t + addend\n        }\n\n        override fun
nextBits(bitCount: Int): Int =\n            nextInt().takeUpperBits(bitCount)\n}\n"/**\n * Copyright 2010-2018 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0

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license that can be found in the license/LICENSE.txt file.\n
*\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("\RangesKt")\n\npackage
kotlin.ranges\n\n/**\n * Represents a range of floating point numbers.\n * Extends [ClosedRange] interface
providing custom operation [lessThanOrEquals] for comparing values of range domain type.\n *\n * This interface
is implemented by floating point ranges returned by [Float.rangeTo] and [Double.rangeTo] operators to\n * achieve
IEEE-754 comparison order instead of total order of floating point numbers.\n *\n@SinceKotlin("1.1")\n\npublic
interface ClosedFloatingPointRange<T : Comparable<T>> : ClosedRange<T> {\n    override fun contains(value: T):
Boolean = lessThanOrEquals(start, value) && lessThanOrEquals(value, endInclusive)\n    override fun isEmpty():
Boolean = !lessThanOrEquals(start, endInclusive)\n\n    /**\n     * Compares two values of range domain type and
returns true if first is less than or equal to second.\n     *\n     fun lessThanOrEquals(a: T, b: T): Boolean\n    }\n\n/**\n * Represents a range of [Comparable] values.\n *\nprivate open class ComparableRange<T : Comparable<T>>(\n
override val start: T,\n    override val endInclusive: T)\n) : ClosedRange<T> {\n\n    override fun equals(other:
Any?): Boolean {\n        return other is ComparableRange<*> && (isEmpty() && other.isEmpty()) ||\n            start
== other.start && endInclusive == other.endInclusive\n    }\n\n    override fun hashCode(): Int {\n        return if
(isEmpty()) -1 else 31 * start.hashCode() + endInclusive.hashCode()\n    }\n\n    override fun toString(): String =
"\$start..\$endInclusive"\n}\n\n/**\n * A closed range of values of type `Double`.\n *\n * Numbers are compared
with the ends of this range according to IEEE-754.\n *\nprivate class ClosedDoubleRange(\n    start: Double,\n
endInclusive: Double)\n) : ClosedFloatingPointRange<Double> {\n    private val _start = start\n    private val
_endInclusive = endInclusive\n    override val start: Double get() = _start\n    override val endInclusive: Double
get() = _endInclusive\n    override fun lessThanOrEquals(a: Double, b: Double): Boolean = a <= b\n    override fun
contains(value: Double): Boolean = value >= _start && value <= _endInclusive\n    override fun isEmpty():
Boolean = !(_start <= _endInclusive)\n    override fun equals(other: Any?): Boolean {\n        return other is
ClosedDoubleRange && (isEmpty() && other.isEmpty()) ||\n            _start == other._start && _endInclusive ==
other._endInclusive\n    }\n\n    override fun hashCode(): Int {\n        return if (isEmpty()) -1 else 31 *
_start.hashCode() + _endInclusive.hashCode()\n    }\n\n    override fun toString(): String =
"\$start..\$endInclusive"\n}\n\n/**\n * Creates a range from this [Comparable] value to the specified [that]
value.\n *\n * This value needs to be smaller than [that] value, otherwise the returned range will be empty.\n *\n
@sample samples.ranges.Ranges.rangeFromComparable\n *\npublic operator fun <T : Comparable<T>>\n
T.rangeTo(that: T): ClosedRange<T> = ComparableRange(this, that)\n\n/**\n * Creates a range from this [Double]
value to the specified [that] value.\n *\n * Numbers are compared with the ends of this range according to IEEE-
754.\n *\n @sample samples.ranges.Ranges.rangeFromDouble\n *\n@SinceKotlin("1.1")\n\npublic operator fun
Double.rangeTo(that: Double): ClosedFloatingPointRange<Double> = ClosedDoubleRange(this, that)\n\n/**\n *
Returns `true` if this iterable range contains the specified [element].\n *\n * Always returns `false` if the [element] is
`null`.\n *\n@SinceKotlin("1.3")\n\n@kotlin.internal.InlineOnly\n\npublic inline operator fun <T, R>\n
R.contains(element: T?): Boolean where T : Any, R : Iterable<T>, R : ClosedRange<T> =\n    element != null &&
contains(element)\n\n\ninternal fun checkStepIsPositive(isPositive: Boolean, step: Number) {\n    if (!isPositive)
throw IllegalArgumentException("Step must be positive, was: \$step.")\n}\n\n"/*\n * Copyright 2010-2019
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n *\npackage kotlin.reflect\n\n/**\n *
Returns a runtime representation of the given reified type [T] as an instance of [KType].\n
*\n *\n@Suppress("unused") // KT-12448\n\n@SinceKotlin("1.3")\n\n@ExperimentalStdlibApi\n\npublic inline fun
<reified T> typeOf(): KType =\n    throw UnsupportedOperationException("This function is implemented as an
intrinsic on all supported platforms.")\n}\n\n"/*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the
license/LICENSE.txt file.\n
*\n *\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("\CharsKt")\n\npackage kotlin.text\n\n/**\n
 * Concatenates this Char and a String.\n *\n * @sample samples.text.Chars.plus\n
*\n *\n@kotlin.internal.InlineOnly\n\npublic inline operator fun Char.plus(other: String): String = this.toString() +

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other\n\n/**\n * Returns `true` if this character is equal to the [other] character, optionally ignoring character case.\n
*\n * @param ignoreCase `true` to ignore character case when comparing characters. By default `false`.\n *\n * Two
characters are considered the same ignoring case if at least one of the following is `true`:\n * - The two characters
are the same (as compared by the == operator)\n * - Applying the method [toUpperCase] to each character
produces the same result\n * - Applying the method [toLowerCase] to each character produces the same result\n
*\n * @sample samples.text.Chars.equals\n */\npublic fun Char.equals(other: Char, ignoreCase: Boolean = false):
Boolean {\n    if (this == other) return true\n    if (!ignoreCase) return false\n\n    if (this.toUpperCase() ==
other.toUpperCase()) return true\n    if (this.toLowerCase() == other.toLowerCase()) return true\n    return
false\n}\n\n/**\n * Returns `true` if this character is a Unicode surrogate code unit.\n */\npublic fun
Char.isSurrogate(): Boolean = this in Char.MIN_SURROGATE..Char.MAX_SURROGATE\n"/*\n * Copyright
2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed
by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\n@file:kotlin.jvm.JvmMultifileClass\n@file:kotlin.jvm.JvmName("StringsKt")\n\npackage
kotlin.text\n\n/**\n * Trims leading whitespace characters followed by [marginPrefix] from every line of a source
string and removes\n * the first and the last lines if they are blank (notice difference blank vs empty).\n *\n * Doesn't
affect a line if it doesn't contain [marginPrefix] except the first and the last blank lines.\n *\n * Doesn't preserve the
original line endings.\n *\n * @param marginPrefix non-blank string, which is used as a margin delimiter. Default is
`|` (pipe character).\n *\n * @sample samples.text.Strings.trimMargin\n * @see trimIndent\n * @see
kotlin.text.isWhitespace\n */\npublic fun String.trimMargin(marginPrefix: String = "|"): String =\n
replaceIndentByMargin("|", marginPrefix)\n\n/**\n * Detects indent by [marginPrefix] as it does [trimMargin] and
replace it with [newIndent].\n *\n * @param marginPrefix non-blank string, which is used as a margin delimiter.
Default is `|` (pipe character).\n */\npublic fun String.replaceIndentByMargin(newIndent: String = "|",
marginPrefix: String = "|"): String {\n    require(marginPrefix.isNotBlank()) { "marginPrefix must be non-blank
string." }\n    val lines = lines()\n\n    return lines.reindent(length + newIndent.length * lines.size,
getIndentFunction(newIndent), { line ->\n        val firstNonWhitespaceIndex = line.indexOfFirst { !it.isWhitespace()
}\n\n        when {\n            firstNonWhitespaceIndex == -1 -> null\n            line.startsWith(marginPrefix,
firstNonWhitespaceIndex) -> line.substring(firstNonWhitespaceIndex + marginPrefix.length)\n            else -> null\n
}\n        })\n}\n\n/**\n * Detects a common minimal indent of all the input lines, removes it from every line and
also removes the first and the last\n * lines if they are blank (notice difference blank vs empty).\n *\n * Note that
blank lines do not affect the detected indent level.\n *\n * In case if there are non-blank lines with no leading
whitespace characters (no indent at all) then the\n * common indent is 0, and therefore this function doesn't change
the indentation.\n *\n * Doesn't preserve the original line endings.\n *\n * @sample
samples.text.Strings.trimIndent\n * @see trimMargin\n * @see kotlin.text.isBlank\n */\npublic fun
String.trimIndent(): String = replaceIndent("|")\n\n/**\n * Detects a common minimal indent like it does
[trimIndent] and replaces it with the specified [newIndent].\n */\npublic fun String.replaceIndent(newIndent: String
= "|"): String {\n    val lines = lines()\n    val minCommonIndent = lines\n        .filter(String::isNotBlank)\n
        .map(String::indentWidth)\n        .min() ?: 0\n\n    return lines.reindent(length + newIndent.length * lines.size,
getIndentFunction(newIndent), { line -> line.drop(minCommonIndent) })\n}\n\n/**\n * Prepends [indent] to every
line of the original string.\n *\n * Doesn't preserve the original line endings.\n */\npublic fun
String.prependIndent(indent: String = "  "): String =\n    lineSequence()\n        .map {\n            when {\n
                it.isBlank() -> {\n                    when {\n                        it.length < indent.length -> indent\n
                        else -> it\n                    }\n                }\n            }\n            else -> indent + it\n        }\n        .joinToString("\n")\n\nprivate fun
String.indentWidth(): Int = indexOfFirst { !it.isWhitespace() }.let { if (it == -1) length else it }\n\nprivate fun
getIndentFunction(indent: String) = when {\n    indent.isEmpty() -> { line: String -> line }\n    else -> { line: String -
> indent + line }\n}\n\nprivate inline fun List<String>.reindent(\n    resultSizeEstimate: Int,\n    indentAddFunction:
(String) -> String,\n    indentCutFunction: (String) -> String?): String {\n    val lastIndex = lastIndex\n    return
mapIndexedNotNull { index, value ->\n        if ((index == 0 || index == lastIndex) && value.isBlank())\n            null\n        else\n            indentCutFunction(value)?.let(indentAddFunction) ?: value\n    }\n}

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.joinTo(StringBuilder(resultSizeEstimate), "\\n\\n")\n    .toString()\n}\n"/>\n * Copyright 2010-2018 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.text\n/**\n * Defines names for
Unicode symbols used in proper Typography.\n */\npublic object Typography {\n    /** The character &#x22;
\u2013 quotation mark */\n    public const val quote: Char = "\u0022"\n    /** The character &#x24; \u2013 dollar
sign */\n    public const val dollar: Char = "\u0024"\n    /** The character &#x26; \u2013 ampersand */\n    public
const val amp: Char = "\u0026"\n    /** The character &#x3C; \u2013 less-than sign */\n    public const val less:
Char = "\u003C"\n    /** The character &#x3E; \u2013 greater-than sign */\n    public const val greater: Char =
"\u003E"\n    /** The non-breaking space character */\n    public const val nbsp: Char = "\u00A0"\n    /** The
character &#xD7; */\n    public const val times: Char = "\u00D7"\n    /** The character &#xA2; */\n    public const
val cent: Char = "\u00A2"\n    /** The character &#xA3; */\n    public const val pound: Char = "\u00A3"\n    /** The
character &#xA7; */\n    public const val section: Char = "\u00A7"\n    /** The character &#xA9; */\n    public const
val copyright: Char = "\u00A9"\n    /** The character &#xAB; */\n    public const val leftGuillemete: Char =
"\u00AB"\n    /** The character &#xBB; */\n    public const val rightGuillemete: Char = "\u00BB"\n    /** The
character &#xAE; */\n    public const val registered: Char = "\u00AE"\n    /** The character &#xB0; */\n    public
const val degree: Char = "\u00B0"\n    /** The character &#xB1; */\n    public const val plusMinus: Char =
"\u00B1"\n    /** The character &#xB6; */\n    public const val paragraph: Char = "\u00B6"\n    /** The character
&#xB7; */\n    public const val middleDot: Char = "\u00B7"\n    /** The character &#xBD; */\n    public const val
half: Char = "\u00BD"\n    /** The character &#x2013; */\n    public const val ndash: Char = "\u2013"\n    /** The
character &#x2014; */\n    public const val mdash: Char = "\u2014"\n    /** The character &#x2018; */\n    public
const val leftSingleQuote: Char = "\u2018"\n    /** The character &#x2019; */\n    public const val rightSingleQuote:
Char = "\u2019"\n    /** The character &#x201A; */\n    public const val lowSingleQuote: Char = "\u201A"\n    /**
The character &#x201C; */\n    public const val leftDoubleQuote: Char = "\u201C"\n    /** The character &#x201D;
*/\n    public const val rightDoubleQuote: Char = "\u201D"\n    /** The character &#x201E; */\n    public const val
lowDoubleQuote: Char = "\u201E"\n    /** The character &#x2020; */\n    public const val dagger: Char =
"\u2020"\n    /** The character &#x2021; */\n    public const val doubleDagger: Char = "\u2021"\n    /** The
character &#x2022; */\n    public const val bullet: Char = "\u2022"\n    /** The character &#x2026; */\n    public
const val ellipsis: Char = "\u2026"\n    /** The character &#x2032; */\n    public const val prime: Char = "\u2032"\n
/** The character &#x2033; */\n    public const val doublePrime: Char = "\u2033"\n    /** The character &#x20AC;
*/\n    public const val euro: Char = "\u20AC"\n    /** The character &#x2122; */\n    public const val tm: Char =
"\u2122"\n    /** The character &#x2248; */\n    public const val almostEqual: Char = "\u2248"\n    /** The character
&#x2260; */\n    public const val notEqual: Char = "\u2260"\n    /** The character &#x2264; */\n    public const val
lessOrEqual: Char = "\u2264"\n    /** The character &#x2265; */\n    public const val greaterOrEqual: Char =
"\u2265"\n}"/>\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use
of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*/\n\npackage kotlin.text\n/**\n * Represents a collection of captured groups in a single match of a regular
expression.\n */\n * This collection has size of `groupCount + 1` where `groupCount` is the count of groups in the
regular expression.\n * Groups are indexed from 1 to `groupCount` and group with the index 0 corresponds to the
entire match.\n */\n * An element of the collection at the particular index can be `null` if the corresponding
group in the regular expression is optional and\n * there was no match captured by that group.\n */\npublic interface
MatchGroupCollection : Collection<MatchGroup?> {\n    /** Returns a group with the specified [index].\n     */\n    * @return An instance of [MatchGroup] if the group with the specified [index] was matched or `null` otherwise.\n
*/\n    * Groups are indexed from 1 to the count of groups in the regular expression. A group with the index 0\n *
corresponds to the entire match.\n     */\n    public operator fun get(index: Int): MatchGroup?\n}\n/**\n * Extends
[MatchGroupCollection] by introducing a way to get matched groups by name, when regex supports it.\n
*/\n@SinceKotlin("1.1")\npublic interface MatchNamedGroupCollection : MatchGroupCollection {\n    /**\n     */\n    * Returns a named group with the specified [name].\n     */\n    * @return An instance of [MatchGroup] if the group with the
specified [name] was matched or `null` otherwise.\n     */\n    * @throws IllegalArgumentException if there is no group

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with the specified [name] defined in the regex pattern.\n * @throws UnsupportedOperationException if getting
named groups isn't supported on the current platform.\n */\n public operator fun get(name: String):
MatchGroup?\n}\n\n/**\n * Represents the results from a single regular expression match.\n */\npublic interface
MatchResult {\n /** The range of indices in the original string where match was captured. */\n public val range:
IntRange\n /** The substring from the input string captured by this match. */\n public val value: String\n /**\n * A collection of groups matched by the regular expression.\n */\n * This collection has size of `groupCount +
1` where `groupCount` is the count of groups in the regular expression.\n * Groups are indexed from 1 to
`groupCount` and group with the index 0 corresponds to the entire match.\n */\n public val groups:
MatchGroupCollection\n /**\n * A list of matched indexed group values.\n */\n * This list has size of
`groupCount + 1` where `groupCount` is the count of groups in the regular expression.\n * Groups are indexed
from 1 to `groupCount` and group with the index 0 corresponds to the entire match.\n */\n * If the group in the
regular expression is optional and there were no match captured by that group,\n * corresponding item in
[groupValues] is an empty string.\n */\n * @sample
samples.text.Regexps.matchDestructuringToGroupValues\n */\n public val groupValues: List<String>\n\n
/**\n * An instance of [MatchResult.Destructured] wrapper providing components for destructuring assignment
of group values.\n */\n * component1 corresponds to the value of the first group, component2 \u2014 of the
second, and so on.\n */\n * @sample samples.text.Regexps.matchDestructuringToGroupValues\n */\n
public val destructured: Destructured get() = Destructured(this)\n\n /** Returns a new [MatchResult] with the
results for the next match, starting at the position\n * at which the last match ended (at the character after the last
matched character).\n */\n public fun next(): MatchResult?\n\n /**\n * Provides components for
destructuring assignment of group values.\n */\n * [component1] corresponds to the value of the first group,
[component2] \u2014 of the second, and so on.\n */\n * If the group in the regular expression is optional and
there were no match captured by that group,\n * corresponding component value is an empty string.\n */\n *
@sample samples.text.Regexps.matchDestructuringToGroupValues\n */\n public class Destructured internal
constructor(public val match: MatchResult) {\n @kotlin.internal.InlineOnly\n public operator inline fun
component1(): String = match.groupValues[1]\n @kotlin.internal.InlineOnly\n public operator inline fun
component2(): String = match.groupValues[2]\n @kotlin.internal.InlineOnly\n public operator inline fun
component3(): String = match.groupValues[3]\n @kotlin.internal.InlineOnly\n public operator inline fun
component4(): String = match.groupValues[4]\n @kotlin.internal.InlineOnly\n public operator inline fun
component5(): String = match.groupValues[5]\n @kotlin.internal.InlineOnly\n public operator inline fun
component6(): String = match.groupValues[6]\n @kotlin.internal.InlineOnly\n public operator inline fun
component7(): String = match.groupValues[7]\n @kotlin.internal.InlineOnly\n public operator inline fun
component8(): String = match.groupValues[8]\n @kotlin.internal.InlineOnly\n public operator inline fun
component9(): String = match.groupValues[9]\n @kotlin.internal.InlineOnly\n public operator inline fun
component10(): String = match.groupValues[10]\n\n /**\n * Returns destructured group values as a list of
strings.\n * First value in the returned list corresponds to the value of the first group, and so on.\n */\n
* @sample samples.text.Regexps.matchDestructuringToGroupValues\n */\n public fun toList():
List<String> = match.groupValues.subList(1, match.groupValues.size)\n }\n}"/*\n * Copyright 2010-2019
JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.time\n\n/**\n * A
source of time for measuring time intervals.\n */\n * The only operation provided by the clock is [markNow]. It
returns a [ClockMark], which can be used to query the elapsed time later.\n */\n * @see [measureTime]\n * @see
[measureTimedValue]\n */\n @SinceKotlin("1.3")\n @ExperimentalTime\n public interface Clock {\n /**\n *
Marks a time point on this clock.\n */\n * The returned [ClockMark] instance encapsulates captured time point
and allows querying\n * the duration of time interval [elapsed][ClockMark.elapsedNow] from that point.\n */\n
public fun markNow(): ClockMark\n}\n\n/**\n * Represents a time point notched on a particular [Clock]. Remains
bound to the clock it was taken from\n * and allows querying for the duration of time elapsed from that point (see
the function [elapsedNow]).\n */\n @SinceKotlin("1.3")\n @ExperimentalTime\n public abstract class ClockMark

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{\n /**\n * Returns the amount of time passed from this clock mark on the clock from which this mark was
taken.\n *\n * Note that the value returned by this function can change on subsequent invocations.\n */\n
public abstract fun elapsedNow(): Duration\n\n /**\n * Returns a clock mark on the same clock that is ahead of
this clock mark by the specified [duration].\n *\n * The returned clock mark is more _late_ when the [duration]
is positive, and more _early_ when the [duration] is negative.\n */\n public open operator fun plus(duration:
Duration): ClockMark = AdjustedClockMark(this, duration)\n\n /**\n * Returns a clock mark on the same clock
that is behind this clock mark by the specified [duration].\n *\n * The returned clock mark is more _early_
when the [duration] is positive, and more _late_ when the [duration] is negative.\n */\n public open operator fun
minus(duration: Duration): ClockMark = plus(-duration)\n\n\n /**\n * Returns true if this clock mark has passed
according to the clock from which this mark was taken.\n *\n * Note that the value returned by this function
can change on subsequent invocations.\n * If the clock is monotonic, it can change only from `false` to `true`,
namely, when the clock mark becomes behind the current point of the clock.\n */\n public fun hasPassedNow():
Boolean = !elapsedNow().isNegative()\n\n /**\n * Returns false if this clock mark has not passed according to
the clock from which this mark was taken.\n *\n * Note that the value returned by this function can change on
subsequent invocations.\n * If the clock is monotonic, it can change only from `true` to `false`, namely, when the
clock mark becomes behind the current point of the clock.\n */\n public fun hasNotPassedNow(): Boolean =
elapsedNow().isNegative()\n}\n\n\n@ExperimentalTime\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@
Deprecated("Subtracting one ClockMark from another is not a well defined operation because these clock marks
could have been obtained from the different clocks.", level = DeprecationLevel.ERROR)\npublic inline operator
fun ClockMark.minus(other: ClockMark): Duration = throw Error("Operation is
disallowed.")\n\n\n@ExperimentalTime\n@SinceKotlin("1.3")\n@kotlin.internal.InlineOnly\n@Deprecated("Com
paring one ClockMark to another is not a well defined operation because these clock marks could have been
obtained from the different clocks.", level = DeprecationLevel.ERROR)\npublic inline operator fun
ClockMark.compareTo(other: ClockMark): Int = throw Error("Operation is
disallowed.")\n\n\n@ExperimentalTime\nprivate class AdjustedClockMark(val mark: ClockMark, val adjustment:
Duration) : ClockMark() {\n override fun elapsedNow(): Duration = mark.elapsedNow() - adjustment\n\n
override fun plus(duration: Duration): ClockMark = AdjustedClockMark(mark, adjustment + duration)\n}\n\n\n/**\n *
Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is
governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage
kotlin.time\n\n/**\n * The most precise clock available in the platform.\n *\n * The clock returns its readings from a
source of monotonic time when it is available in a target platform,\n * and resorts to a non-monotonic time source
otherwise.\n */\n@SinceKotlin("1.3")\n@ExperimentalTime\npublic expect object MonoClock : Clock\n\n/**\n *
An abstract class used to implement clocks that return their readings as [Long] values in the specified [unit].\n *\n *
@property unit The unit in which this clock readings are expressed.\n */\n\n@SinceKotlin("1.3")\n@ExperimentalTime\npublic abstract class AbstractLongClock(protected val unit:
DurationUnit) : Clock {\n /**\n * This protected method should be overridden to return the current reading of
the clock expressed as a [Long] number\n * in the unit specified by the [unit] property.\n */\n protected
abstract fun read(): Long\n\n private class LongClockMark(private val startedAt: Long, private val clock:
AbstractLongClock, private val offset: Duration) : ClockMark() {\n override fun elapsedNow(): Duration =
(clock.read() - startedAt).toDuration(clock.unit) - offset\n override fun plus(duration: Duration): ClockMark =
LongClockMark(startedAt, clock, offset + duration)\n }\n\n override fun markNow(): ClockMark =
LongClockMark(read(), this, Duration.ZERO)\n}\n\n\n/**\n * An abstract class used to implement clocks that return
their readings as [Double] values in the specified [unit].\n *\n * @property unit The unit in which this clock
readings are expressed.\n */\n@SinceKotlin("1.3")\n@ExperimentalTime\npublic abstract class
AbstractDoubleClock(protected val unit: DurationUnit) : Clock {\n /**\n * This protected method should be
overridden to return the current reading of the clock expressed as a [Double] number\n * in the unit specified by
the [unit] property.\n */\n protected abstract fun read(): Double\n\n private class DoubleClockMark(private val
startedAt: Double, private val clock: AbstractDoubleClock, private val offset: Duration) : ClockMark() {\n

```

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override fun elapsedNow(): Duration = (clock.read() - startedAt).toDuration(clock.unit) - offset\n    override fun
plus(duration: Duration): ClockMark = DoubleClockMark(startedAt, clock, offset + duration)\n } \n\n override
fun markNow(): ClockMark = DoubleClockMark(read(), this, Duration.ZERO)\n}\n\n**\n * A clock that has
programmatically updatable readings. It is useful as a predictable source of time in tests.\n *\n * The current clock
reading value can be advanced by the specified duration amount with the operator [plusAssign]:\n *\n * ``\n * val
clock = TestClock()\n * clock += 10.seconds\n * ``\n *\n * Implementation note: the current clock reading value is
stored as a [Long] number of nanoseconds,\n * thus it's capable to represent a time range of approximately
\u00b11292 years.\n * Should the reading value overflow as the result of [plusAssign] operation, an
[IllegalStateException] is thrown.\n *\n@SinceKotlin("1.3")\n@ExperimentalTime\npublic class TestClock :
AbstractLongClock(unit = DurationUnit.NANOSECONDS) {\n    private var reading: Long = 0L\n\n    override fun
read(): Long = reading\n\n    /**\n     * Advances the current reading value of this clock by the specified
[duration].\n     *\n     * [duration] value is rounded down towards zero when converting it to a [Long] number of
nanoseconds.\n     * For example, if the duration being added is `0.6.nanoseconds`, the clock reading won't advance
because\n     * the duration value will be rounded to zero nanoseconds.\n     *\n     * @throws IllegalStateException
when the reading value overflows as the result of this operation.\n     *\n     * public operator fun plusAssign(duration:
Duration) {\n        val delta = duration.toDouble(unit)\n        val longDelta = delta.toLong()\n        reading = if
(longDelta != Long.MIN_VALUE && longDelta != Long.MAX_VALUE) {\n            // when delta fits in long, add
it as long\n            val newReading = reading + longDelta\n            if (reading xor longDelta >= 0 && reading xor
newReading < 0) overflow(duration)\n                newReading\n            } else {\n                // when delta is greater than long,
add it as double\n                val newReading = reading + delta\n                if (newReading > Long.MAX_VALUE ||
newReading < Long.MIN_VALUE) overflow(duration)\n                    newReading.toLong()\n            }\n        }\n\n        private
fun overflow(duration: Duration) {\n            throw IllegalStateException("TestClock will overflow if its reading
${reading}ns is advanced by $duration.")\n        }\n    }\n\n**\npublic interface WallClock {\n    fun
currentTimeMilliseconds(): Long\n\n    companion object : WallClock, AbstractLongClock(unit =
DurationUnit.MILLISECONDS) {\n        override fun currentTimeMilliseconds(): Long =
System.currentTimeMillis()\n        override fun read(): Long = System.currentTimeMillis()\n        override fun
toString(): String = "WallClock(System.currentTimeMillis())"\n    }\n}\n**\n * Copyright 2010-2019 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n *\n\npackage kotlin.time\nimport
kotlin.math.abs\n\n@UseExperimental(ExperimentalTime::class)\nprivate inline val storageUnit get() =
DurationUnit.NANOSECONDS\n\n**\n * Represents the amount of time one instant of time is away from another
instant.\n *\n * A negative duration is possible in a situation when the second instant is earlier than the first one.\n *\n *
An infinite duration value [Duration.INFINITE] can be used to represent infinite timeouts.\n *\n * To construct a
duration use either the extension function [toDuration],\n * or the extension properties [hours], [minutes], [seconds],
and so on,\n * available on [Int], [Long], and [Double] numeric types.\n *\n * To get the value of this duration
expressed in a particular [duration units][DurationUnit]\n * use the functions [toInt], [toLong], and [toDouble]\n * or
the properties [inHours], [inMinutes], [inSeconds], [inNanoseconds], and so on.\n
*\n@SinceKotlin("1.3")\n@ExperimentalTime\n@Suppress("NON_PUBLIC_PRIMARY_CONSTRUCTOR_OF_INLINE_CLASS")\npublic inline class Duration internal constructor(internal val value: Double) :
Comparable<Duration> {\n    // TODO: backend fails on init block, wait for KT-28055\n    // init {\n    //
require(_value.isNaN().not())\n    // }\n\n    companion object {\n        /** The duration equal to exactly 0 seconds.
*\n        public val ZERO: Duration = Duration(0.0)\n        /** The duration whose value is positive infinity. It is
useful for representing timeouts that should never expire. *\n        public val INFINITE: Duration =
Duration(Double.POSITIVE_INFINITY)\n        /** Converts the given time duration [value] expressed in the
specified [sourceUnit] into the specified [targetUnit]. *\n        public fun convert(value: Double, sourceUnit:
DurationUnit, targetUnit: DurationUnit): Double =\n            convertDurationUnit(value, sourceUnit, targetUnit)\n
}\n\n    // arithmetic operators\n\n    /** Returns the negative of this value. *\n    public operator fun unaryMinus():
Duration = Duration(-value)\n\n    /** Returns a duration whose value is the sum of this and [other] duration values.

```



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*\n public operator fun plus(other: Duration): Duration = Duration(value + other.value)\n\n /** Returns a
duration whose value is the difference between this and [other] duration values. *\n public operator fun
minus(other: Duration): Duration = Duration(value - other.value)\n\n /** Returns a duration whose value is this
duration value multiplied by the given [scale] number. *\n public operator fun times(scale: Int): Duration =
Duration(value * scale)\n\n /** Returns a duration whose value is this duration value multiplied by the given
[scale] number. *\n public operator fun times(scale: Double): Duration = Duration(value * scale)\n\n /**
Returns a duration whose value is this duration value divided by the given [scale] number. *\n public operator fun
div(scale: Int): Duration = Duration(value / scale)\n\n /** Returns a duration whose value is this duration value
divided by the given [scale] number. *\n public operator fun div(scale: Double): Duration = Duration(value /
scale)\n\n /** Returns a number that is the ratio of this and [other] duration values. *\n public operator fun
div(other: Duration): Double = this.value / other.value\n\n /** Returns true, if the duration value is less than zero.
*\n public fun isNegative(): Boolean = value < 0\n\n /** Returns true, if the duration value is greater than zero.
*\n public fun isPositive(): Boolean = value > 0\n\n /** Returns true, if the duration value is infinite. *\n
public fun isInfinite(): Boolean = value.isInfinite()\n\n /** Returns true, if the duration value is finite. *\n public
fun isFinite(): Boolean = value.isFinite()\n\n /** Returns the absolute value of this value. The returned value is
always non-negative. *\n public val absoluteValue: Duration get() = if (isNegative()) -this else this\n\n override
fun compareTo(other: Duration): Int = this.value.compareTo(other.value)\n\n // splitting to components\n\n
/**\n * Splits this duration into days, hours, minutes, seconds, and nanoseconds and executes the given [action]
with these components.\n * The result of [action] is returned as the result of this function.\n * -
`nanoseconds` represents the whole number of nanoseconds in this duration, and its absolute value is less than
1_000_000_000;\n * - `seconds` represents the whole number of seconds in this duration, and its absolute value is
less than 60;\n * - `minutes` represents the whole number of minutes in this duration, and its absolute value is less
than 60;\n * - `hours` represents the whole number of hours in this duration, and its absolute value is less than
24;\n * - `days` represents the whole number of days in this duration.\n * If the value doesn't fit in [Int] range,
i.e. it's greater than [Int.MAX_VALUE] or less than [Int.MIN_VALUE],\n * it is coerced into that range.\n
*\n public inline fun <T> toComponents(action: (days: Int, hours: Int, minutes: Int, seconds: Int, nanoseconds:
Int) -> T): T =\n    action(inDays.toInt(), hoursComponent, minutesComponent, secondsComponent,
nanosecondsComponent)\n\n /**\n * Splits this duration into hours, minutes, seconds, and nanoseconds and
executes the given [action] with these components.\n * The result of [action] is returned as the result of this
function.\n * - `nanoseconds` represents the whole number of nanoseconds in this duration, and its absolute
value is less than 1_000_000_000;\n * - `seconds` represents the whole number of seconds in this duration, and its
absolute value is less than 60;\n * - `minutes` represents the whole number of minutes in this duration, and its
absolute value is less than 60;\n * - `hours` represents the whole number of hours in this duration.\n * If the
value doesn't fit in [Int] range, i.e. it's greater than [Int.MAX_VALUE] or less than [Int.MIN_VALUE],\n * it is
coerced into that range.\n *\n public inline fun <T> toComponents(action: (hours: Int, minutes: Int, seconds:
Int, nanoseconds: Int) -> T): T =\n    action(inHours.toInt(), minutesComponent, secondsComponent,
nanosecondsComponent)\n\n /**\n * Splits this duration into minutes, seconds, and nanoseconds and executes
the given [action] with these components.\n * The result of [action] is returned as the result of this function.\n
*\n * - `nanoseconds` represents the whole number of nanoseconds in this duration, and its absolute value is less
than 1_000_000_000;\n * - `seconds` represents the whole number of seconds in this duration, and its absolute
value is less than 60;\n * - `minutes` represents the whole number of minutes in this duration.\n * If the value
doesn't fit in [Int] range, i.e. it's greater than [Int.MAX_VALUE] or less than [Int.MIN_VALUE],\n * it is
coerced into that range.\n *\n public inline fun <T> toComponents(action: (minutes: Int, seconds: Int,
nanoseconds: Int) -> T): T =\n    action(inMinutes.toInt(), secondsComponent, nanosecondsComponent)\n\n
/**\n * Splits this duration into seconds, and nanoseconds and executes the given [action] with these
components.\n * The result of [action] is returned as the result of this function.\n * - `nanoseconds`
represents the whole number of nanoseconds in this duration, and its absolute value is less than 1_000_000_000;\n
* - `seconds` represents the whole number of seconds in this duration.\n * If the value doesn't fit in [Long] range,

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i.e. it's greater than [Long.MAX_VALUE] or less than [Long.MIN_VALUE],
 * it is coerced into that range.
 */
 public inline fun <T> toComponents(action: (seconds: Long, nanoseconds: Int) -> T): T =
 action(inSeconds.toLong(), nanosecondsComponent)
 @PublishedApi internal val hoursComponent: Int
 get() = (inHours % 24).toInt()
 @PublishedApi internal val minutesComponent: Int
 get() = (inMinutes % 60).toInt()
 @PublishedApi internal val secondsComponent: Int
 get() = (inSeconds % 60).toInt()
 @PublishedApi internal val nanosecondsComponent: Int
 get() = (inNanoseconds % 1e9).toInt()
 // conversion to units
 /** Returns the value of this duration expressed as a [Double] number of the specified [unit].
 */
 public fun toDouble(unit: DurationUnit): Double = convertDurationUnit(value, storageUnit, unit)
 /** Returns the value of this duration expressed as a [Long] number of the specified [unit].
 * If the value doesn't fit in the range of [Long] type, it is coerced into that range, see the conversion [Double.toLong] for details.
 */
 public fun toLong(unit: DurationUnit): Long = toDouble(unit).toLong()
 /** Returns the value of this duration expressed as an [Int] number of the specified [unit].
 * If the value doesn't fit in the range of [Int] type, it is coerced into that range, see the conversion [Double.toInt] for details.
 */
 public fun toInt(unit: DurationUnit): Int = toDouble(unit).toInt()
 /** The value of this duration expressed as a [Double] number of days.
 */
 public val inDays: Double
 get() = toDouble(DurationUnit.DAYS)
 /** The value of this duration expressed as a [Double] number of hours.
 */
 public val inHours: Double
 get() = toDouble(DurationUnit.HOURS)
 /** The value of this duration expressed as a [Double] number of minutes.
 */
 public val inMinutes: Double
 get() = toDouble(DurationUnit.MINUTES)
 /** The value of this duration expressed as a [Double] number of seconds.
 */
 public val inSeconds: Double
 get() = toDouble(DurationUnit.SECONDS)
 /** The value of this duration expressed as a [Double] number of milliseconds.
 */
 public val inMilliseconds: Double
 get() = toDouble(DurationUnit.MILLISECONDS)
 /** The value of this duration expressed as a [Double] number of microseconds.
 */
 public val inMicroseconds: Double
 get() = toDouble(DurationUnit.MICROSECONDS)
 /** The value of this duration expressed as a [Double] number of nanoseconds.
 */
 public val inNanoseconds: Double
 get() = toDouble(DurationUnit.NANOSECONDS)
 // shortcuts
 /** Returns the value of this duration expressed as a [Long] number of nanoseconds.
 * If the value doesn't fit in the range of [Long] type, it is coerced into that range, see the conversion [Double.toLong] for details.
 * The range of durations that can be expressed as a `Long` number of nanoseconds is approximately 1292 years.
 */
 public fun toLongNanoseconds(): Long = toLong(DurationUnit.NANOSECONDS)
 /** Returns the value of this duration expressed as a [Long] number of milliseconds.
 * The value is coerced to the range of [Long] type, if it doesn't fit in that range, see the conversion [Double.toLong] for details.
 * The range of durations that can be expressed as a `Long` number of milliseconds is approximately 1292 million years.
 */
 public fun toLongMilliseconds(): Long = toLong(DurationUnit.MILLISECONDS)
 /** Returns a string representation of this duration value expressed in the unit which yields the most compact and readable number value.
 * Special cases:
 * - zero duration is formatted as `0s`
 * - the infinite duration is formatted as `Infinity` without unit
 * - very small durations (less than 1e-15 s) are expressed in seconds and formatted in scientific notation
 * - very big durations (more than 1e+7 days) are expressed in days and formatted in scientific notation
 * @return the value of duration in the automatically determined unit followed by that unit abbreviated name: `d`, `h`, `m`, `s`, `ms`, `us`, or `ns`.
 * @sample samples.time.Durations.toStringDefault
 */
 override fun toString(): String = when {
 isInfinite() -> value.toString()
 value == 0.0 -> `0s`
 else -> {
 val absNs = absoluteValue.inNanoseconds
 var scientific = false
 var maxDecimals = 0
 val unit = when {
 absNs < 1e-6 -> DurationUnit.SECONDS.also { scientific = true }
 absNs < 1 -> DurationUnit.NANOSECONDS.also { maxDecimals = 7 }
 absNs < 1e3 -> DurationUnit.NANOSECONDS
 absNs < 1e6 -> DurationUnit.MICROSECONDS
 absNs < 1e9 -> DurationUnit.MILLISECONDS
 absNs < 1000e9 -> DurationUnit.SECONDS
 absNs < 60_000e9 -> DurationUnit.MINUTES
 absNs < 3600_000e9 -> DurationUnit.HOURS
 absNs < 86400e9 * 1e7 -> DurationUnit.DAYS
 else -> DurationUnit.DAYS.also { scientific = true }
 }
 val value = toDouble(unit)
 when {

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scientific -> formatScientific(value)\n          maxDecimals > 0 -> formatUpToDecimals(value,
maxDecimals)\n          else -> formatToExactDecimals(value, precision(abs(value)))\n          } +
unit.shortName()\n    }\n    }\n    private fun precision(value: Double): Int = when {\n      value < 1 -> 3\n      value < 10 -> 2\n      value < 100 -> 1\n      else -> 0\n    }\n    /**\n     * Returns a string representation of this
duration value expressed in the given [unit]\n     * and formatted with the specified [decimals] number of digits after
decimal point.\n     * \n     * Special cases:\n     * - the infinite duration is formatted as `\"Infinity\"` without unit\n
*\n     * @return the value of duration in the specified [unit] followed by that unit abbreviated name: `d`, `h`, `m`,
`s`, `ms`, `us`, or `ns`.\n     * \n     * @throws IllegalArgumentException if [decimals] is less than zero.\n     * \n     *
@sample samples.time.Durations.toStringDecimals\n     */\n    public fun toString(unit: DurationUnit, decimals: Int
= 0): String {\n      require(decimals >= 0) { \"decimals must be not negative, but was $decimals\" }\n      if
(isInfinite()) return value.toString()\n      val number = toDouble(unit)\n      return when {\n        abs(number) <
1e14 -> formatToExactDecimals(number, decimals.coerceAtMost(12))\n        else -> formatScientific(number)\n
      } + unit.shortName()\n    }\n    /**\n     * Returns an ISO-8601 based string representation of this duration.\n
*\n     * The returned value is presented in the format `PTm>s.fS`, where `h`, `m`, `s` are the integer components
of this duration (see [toComponents])\n     * and `f` is a fractional part of second. Depending on the roundness of the
value the fractional part can be formatted with either\n     * 0, 3, 6, or 9 decimal digits.\n     * \n     * If the hours
component absolute value of this duration is greater than [Int.MAX_VALUE], it is replaced with
[Int.MAX_VALUE],\n     * so the infinite duration is formatted as `\"PT2147483647H\"`.\n     * \n     * Negative
durations are indicated with the sign `-` in the beginning of the returned string, for example, `\"-PT5M30S\"`.\n
*\n     * @sample samples.time.Durations.toIsoString\n     */\n    public fun toIsoString(): String = buildString {\n
if (isNegative()) append('-')\n      append(\"PT\")\n      absoluteValue.toComponents { hours, minutes, seconds,
nanoseconds -> \n        val hasHours = hours != 0\n        val hasSeconds = seconds != 0 || nanoseconds != 0\n
        val hasMinutes = minutes != 0 || (hasSeconds && hasHours)\n        if (hasHours) {\n
append(hours).append('H')\n        }\n        if (hasMinutes) {\n          append(minutes).append('M')\n
        }\n        if (hasSeconds || (!hasHours && !hasMinutes)) {\n          append(seconds)\n          if (nanoseconds
!= 0) {\n            append('.')\n            val nss = nanoseconds.toString().padStart(9, '0')\n            when
{\n              nanoseconds % 1_000_000 == 0 -> append(nss, 0, 3)\n              nanoseconds % 1_000 == 0
-> append(nss, 0, 6)\n              else -> append(nss)\n            }\n          }\n          append('S')\n
        }\n      }\n    }\n    /**\n     * Returns a [Duration] equal to this [Int] number of the specified [unit].
*\n     */\n    @SinceKotlin(\"1.3\")\n    @ExperimentalTime\n    public fun Int.toDuration(unit: DurationUnit): Duration = toDouble().toDuration(unit)\n    /**\n     * Returns a [Duration] equal to this
[Long] number of the specified [unit]. *\n     */\n    @SinceKotlin(\"1.3\")\n    @ExperimentalTime\n    public fun Long.toDuration(unit: DurationUnit): Duration = toDouble().toDuration(unit)\n    /**\n     * Returns a [Duration] equal to
this [Double] number of the specified [unit]. *\n     */\n    @SinceKotlin(\"1.3\")\n    @ExperimentalTime\n    public fun Double.toDuration(unit: DurationUnit): Duration = Duration(convertDurationUnit(this, unit, storageUnit))\n    /**\n     * Returns a [Duration] equal to this [Int] number of
nanoseconds. *\n     */\n    @SinceKotlin(\"1.3\")\n    @ExperimentalTime\n    public val Int.nanoseconds get() =
toDuration(DurationUnit.NANOSECONDS)\n    /**\n     * Returns a [Duration] equal to this [Long] number of
nanoseconds. *\n     */\n    @SinceKotlin(\"1.3\")\n    @ExperimentalTime\n    public val Long.nanoseconds get() =
toDuration(DurationUnit.NANOSECONDS)\n    /**\n     * Returns a [Duration] equal to this [Double] number of
nanoseconds. *\n     */\n    @SinceKotlin(\"1.3\")\n    @ExperimentalTime\n    public val Double.nanoseconds get() =
toDuration(DurationUnit.NANOSECONDS)\n    /**\n     * Returns a [Duration] equal to this [Int] number of
microseconds. *\n     */\n    @SinceKotlin(\"1.3\")\n    @ExperimentalTime\n    public val Int.microseconds get() =
toDuration(DurationUnit.MICROSECONDS)\n    /**\n     * Returns a [Duration] equal to this [Long] number of
microseconds. *\n     */\n    @SinceKotlin(\"1.3\")\n    @ExperimentalTime\n    public val Long.microseconds get() =
toDuration(DurationUnit.MICROSECONDS)\n    /**\n     * Returns a [Duration] equal to this [Double] number of
microseconds. *\n     */\n    @SinceKotlin(\"1.3\")\n    @ExperimentalTime\n    public val Double.microseconds get() =
toDuration(DurationUnit.MICROSECONDS)\n    /**\n     * Returns a [Duration] equal to this [Int] number of

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milliseconds. *^@SinceKotlin("1.3")@ExperimentalTime\npublic val Int.milliseconds get() =
toDuration(DurationUnit.MILLISECONDS)\n\n/** Returns a [Duration] equal to this [Long] number of
milliseconds. *^@SinceKotlin("1.3")@ExperimentalTime\npublic val Long.milliseconds get() =
toDuration(DurationUnit.MILLISECONDS)\n\n/** Returns a [Duration] equal to this [Double] number of
milliseconds. *^@SinceKotlin("1.3")@ExperimentalTime\npublic val Double.milliseconds get() =
toDuration(DurationUnit.MILLISECONDS)\n\n/** Returns a [Duration] equal to this [Int] number of seconds.
*^@SinceKotlin("1.3")@ExperimentalTime\npublic val Int.seconds get() =
toDuration(DurationUnit.SECONDS)\n\n/** Returns a [Duration] equal to this [Long] number of seconds.
*^@SinceKotlin("1.3")@ExperimentalTime\npublic val Long.seconds get() =
toDuration(DurationUnit.SECONDS)\n\n/** Returns a [Duration] equal to this [Double] number of seconds.
*^@SinceKotlin("1.3")@ExperimentalTime\npublic val Double.seconds get() =
toDuration(DurationUnit.SECONDS)\n\n/** Returns a [Duration] equal to this [Int] number of minutes.
*^@SinceKotlin("1.3")@ExperimentalTime\npublic val Int.minutes get() =
toDuration(DurationUnit.MINUTES)\n\n/** Returns a [Duration] equal to this [Long] number of minutes.
*^@SinceKotlin("1.3")@ExperimentalTime\npublic val Long.minutes get() =
toDuration(DurationUnit.MINUTES)\n\n/** Returns a [Duration] equal to this [Double] number of minutes.
*^@SinceKotlin("1.3")@ExperimentalTime\npublic val Double.minutes get() =
toDuration(DurationUnit.MINUTES)\n\n/** Returns a [Duration] equal to this [Int] number of hours.
*^@SinceKotlin("1.3")@ExperimentalTime\npublic val Int.hours get() =
toDuration(DurationUnit.HOURS)\n\n/** Returns a [Duration] equal to this [Long] number of hours.
*^@SinceKotlin("1.3")@ExperimentalTime\npublic val Long.hours get() =
toDuration(DurationUnit.HOURS)\n\n/** Returns a [Duration] equal to this [Double] number of hours.
*^@SinceKotlin("1.3")@ExperimentalTime\npublic val Double.hours get() =
toDuration(DurationUnit.HOURS)\n\n/** Returns a [Duration] equal to this [Int] number of days.
*^@SinceKotlin("1.3")@ExperimentalTime\npublic val Int.days get() =
toDuration(DurationUnit.DAYS)\n\n/** Returns a [Duration] equal to this [Long] number of days.
*^@SinceKotlin("1.3")@ExperimentalTime\npublic val Long.days get() =
toDuration(DurationUnit.DAYS)\n\n/** Returns a [Duration] equal to this [Double] number of days.
*^@SinceKotlin("1.3")@ExperimentalTime\npublic val Double.days get() =
toDuration(DurationUnit.DAYS)\n\n/** Returns a duration whose value is the specified [duration] value
multiplied by this number. *^@SinceKotlin("1.3")@ExperimentalTime\n@kotlin.internal.InlineOnly\npublic
inline operator fun Int.times(duration: Duration): Duration = duration * this\n\n/** Returns a duration whose value
is the specified [duration] value multiplied by this number.
*^@SinceKotlin("1.3")@ExperimentalTime\n@kotlin.internal.InlineOnly\npublic inline operator fun
Double.times(duration: Duration): Duration = duration * this\n\n\ninternal expect fun
formatToExactDecimals(value: Double, decimals: Int): String\n\ninternal expect fun formatUpToDecimals(value:
Double, decimals: Int): String\n\ninternal expect fun formatScientific(value: Double): String", "/*\n * Copyright 2010-
2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the
Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*^@n\n@file:kotlin.jvm.JvmMultifileClass()\n@file:kotlin.jvm.JvmName("DurationUnitKt")\n\npackage
kotlin.time\n\n\n/**\n * The list of possible time measurement units, in which a duration can be expressed.\n *\n *
The smallest time unit is [NANOSECONDS] and the largest is [DAYS], which corresponds to exactly 24
[HOURS].\n *\n@SinceKotlin("1.3")@ExperimentalTime\npublic expect enum class DurationUnit {\n /**\n
* Time unit representing one nanosecond, which is 1/1000 of a microsecond.\n *^@ NANOSECONDS,\n
/**\n * Time unit representing one microsecond, which is 1/1000 of a millisecond.\n *^@
MICROSECONDS,\n /**\n * Time unit representing one millisecond, which is 1/1000 of a second.\n *^@
MILLISECONDS,\n /**\n * Time unit representing one second.\n *^@ SECONDS,\n /**\n * Time unit
representing one minute.\n *^@ MINUTES,\n /**\n * Time unit representing one hour.\n *^@

```

HOURS, \n /** \n * Time unit representing one day, which is always equal to 24 hours. \n */ \n

DAYS; \n \n \n /** Converts the given time duration [value] expressed in the specified [sourceUnit] into the specified [targetUnit]. */ \n @SinceKotlin("1.3") \n @ExperimentalTime \n internal fun convertDurationUnit(value: Double, sourceUnit: DurationUnit, targetUnit: DurationUnit):

Double \n \n \n @SinceKotlin("1.3") \n @ExperimentalTime \n internal fun DurationUnit.shortName(): String = when (this) { \n DurationUnit.NANOSECONDS -> "ns" \n DurationUnit.MICROSECONDS -> "us" \n DurationUnit.MILLISECONDS -> "ms" \n DurationUnit.SECONDS -> "s" \n DurationUnit.MINUTES -> "m" \n DurationUnit.HOURS -> "h" \n DurationUnit.DAYS -> "d" \n }, "/" \n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file. \n */ \n \n package kotlin.time \n \n import kotlin.annotation.AnnotationTarget.*/ \n \n /** This annotation marks the experimental preview of the standard library API for measuring time and working with durations. \n * \n * > Note that this API is in a preview state and has a very high chance of being changed in the future. \n * Do not use it if you develop a library since your library will become binary incompatible \n * with the future versions of the standard library. \n * \n * Any usage of a declaration annotated with `@ExperimentalTime` must be accepted either by \n * annotating that usage with the [UseExperimental] annotation, e.g. `@UseExperimental(ExperimentalTime::class)`, \n * or by using the compiler argument `-Xuse-experimental=kotlin.time.ExperimentalTime`. \n */ \n @Experimental(level = Experimental.Level.ERROR) \n @MustBeDocumented \n @Retention(AnnotationRetention.BINARY) \n @Target(\n CLASS, \n ANNOTATION_CLASS, \n PROPERTY, \n FIELD, \n LOCAL_VARIABLE, \n VALUE_PARAMETER, \n CONSTRUCTOR, \n FUNCTION, \n PROPERTY_GETTER, \n PROPERTY_SETTER, \n TYPE_ALIAS) \n \n @SinceKotlin("1.3") \n public annotation class ExperimentalTime, "/" \n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file. \n */ \n \n package kotlin.time \n \n import kotlin.contracts.*/ \n \n /** Executes the given function [block] and returns the duration of elapsed time interval. \n * \n * The elapsed time is measured with [MonoClock]. \n */ \n @SinceKotlin("1.3") \n @ExperimentalTime \n public inline fun measureTime(block: () -> Unit): Duration { \n contract { \n callsInPlace(block, InvocationKind.EXACTLY_ONCE) \n } \n return MonoClock.measureTime(block) \n } \n \n /** Executes the given function [block] and returns the duration of elapsed time interval. \n * \n * The elapsed time is measured with the specified `this` [Clock] instance. \n */ \n @SinceKotlin("1.3") \n @ExperimentalTime \n public inline fun Clock.measureTime(block: () -> Unit): Duration { \n contract { \n callsInPlace(block, InvocationKind.EXACTLY_ONCE) \n } \n val mark = markNow() \n block() \n return mark.elapsedNow() \n } \n \n /** Data class representing a result of executing an action, along with the duration of elapsed time interval. \n * \n * @property value the result of the action. \n * @property duration the time elapsed to execute the action. \n */ \n @SinceKotlin("1.3") \n @ExperimentalTime \n public data class TimedValue<T>(val value: T, val duration: Duration) \n \n /** Executes the given function [block] and returns an instance of [TimedValue] class, containing both \n * the result of the function execution and the duration of elapsed time interval. \n * \n * The elapsed time is measured with [MonoClock]. \n */ \n @SinceKotlin("1.3") \n @ExperimentalTime \n public inline fun <T> measureTimedValue(block: () -> T): TimedValue<T> { \n contract { \n callsInPlace(block, InvocationKind.EXACTLY_ONCE) \n } \n return MonoClock.measureTimedValue(block) \n } \n \n /** Executes the given [block] and returns an instance of [TimedValue] class, containing both \n * the result of function execution and the duration of elapsed time interval. \n * \n * The elapsed time is measured with the specified `this` [Clock] instance. \n */ \n @SinceKotlin("1.3") \n @ExperimentalTime \n public inline fun <T> Clock.measureTimedValue(block: () -> T): TimedValue<T> { \n contract { \n callsInPlace(block, InvocationKind.EXACTLY_ONCE) \n } \n val mark = markNow() \n val result = block() \n return TimedValue(result, mark.elapsedNow()) \n } \n \n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors. \n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file. \n */ \n \n package kotlin \n \n import kotlin.internal.InlineOnly \n \n \n /** \n */

```

Returns a hash code value for the object or zero if the object is `null`.
 * See Any.hashCode
 * Since Kotlin("1.3")
 @InlineOnly
 public inline fun Any?.hashCode(): Int = this?.hashCode() ?: 0
 * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.
 * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
 * package
 kotlin
 * Represents a version of the Kotlin standard library.
 * [major], [minor] and [patch] are integer
 components of a version, they must be non-negative and not greater than 255
 ([MAX_COMPONENT_VALUE]).
 * @constructor Creates a version from all three components.
 * Since Kotlin("1.1")
 public class KotlinVersion(val major: Int, val minor: Int, val patch: Int) :
 Comparable<KotlinVersion> {
 /**
 * Creates a version from [major] and [minor] components, leaving
 [patch] component zero.
 * public constructor(major: Int, minor: Int) : this(major, minor, 0)
 private val
 version = versionOf(major, minor, patch)
 private fun versionOf(major: Int, minor: Int, patch: Int): Int {
 require(major in 0..MAX_COMPONENT_VALUE && minor in 0..MAX_COMPONENT_VALUE && patch in
 0..MAX_COMPONENT_VALUE) {
 "Version components are out of range: $major.$minor.$patch"
 }
 return major.shl(16) + minor.shl(8) + patch
 }
 /**
 * Returns the string representation of this
 version
 * override fun toString(): String = "$major.$minor.$patch"
 override fun equals(other:
 Any?): Boolean {
 if (this === other) return true
 val otherVersion = (other as? KotlinVersion) ?: return
 false
 return this.version == otherVersion.version
 }
 override fun hashCode(): Int = version
 override fun compareTo(other: KotlinVersion): Int = version - other.version
 /**
 * Returns `true` if this
 version is not less than the version specified
 * with the provided [major] and [minor] components.
 * public fun isAtLeast(major: Int, minor: Int): Boolean = // this.version >= versionOf(major, minor, 0)
 this.major > major || (this.major == major &&
 this.minor >= minor)
 /**
 * Returns `true` if this
 version is not less than the version specified
 * with the provided [major], [minor] and [patch] components.
 * public fun isAtLeast(major: Int, minor: Int, patch: Int): Boolean = // this.version >= versionOf(major, minor,
 patch)
 this.major > major || (this.major == major &&
 (this.minor > minor || this.minor == minor
 &&
 this.patch >= patch))
 companion object {
 /**
 * Maximum value a version
 component can have, a constant value 255.
 * // NOTE: Must be placed before CURRENT because its
 initialization requires this field being initialized in JS
 public const val MAX_COMPONENT_VALUE =
 255
 /**
 * Returns the current version of the Kotlin standard library.
 * @kotlin.jvm.JvmField
 public val CURRENT: KotlinVersion = KotlinVersion(1, 3, 60) // value is written here
 automatically during build
 }
 * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming
 Language contributors.
 * Use of this source code is governed by the Apache 2.0 license that can be found in the
 license/LICENSE.txt file.
 *
 * @file:kotlin.jvm.JvmName("LateinitKt")
 @file:Suppress("unused")
 package kotlin
 import
 kotlin.internal.InlineOnly
 import kotlin.internal.AccessibleLateinitPropertyLiteral
 import
 kotlin.reflect.KProperty0
 /**
 * Returns `true` if this lateinit property has been assigned a value, and `false`
 otherwise.
 * Cannot be used in an inline function, to avoid binary compatibility issues.
 * Since Kotlin("1.2")
 @InlineOnly
 inline val @receiver: AccessibleLateinitPropertyLiteral
 KProperty0<*>.isInitialized: Boolean
 get() = throw NotImplementedError("Implementation is
 intrinsic")
 * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.
 * Use
 of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.
 *
 * @file:kotlin.jvm.JvmName("LazyKt")
 @file:kotlin.jvm.JvmMultifileClass
 package kotlin
 import
 kotlin.reflect.KProperty
 /**
 * Represents a value with lazy initialization.
 * To create an instance of
 [Lazy] use the [lazy] function.
 * public interface Lazy<out T> {
 /**
 * Gets the lazily initialized value of
 the current Lazy instance.
 * Once the value was initialized it must not change during the rest of lifetime of this
 Lazy instance.
 * public val value: T
 /**
 * Returns `true` if a value for this Lazy instance has been
 already initialized, and `false` otherwise.
 * Once this function has returned `true` it stays `true` for the rest of
 lifetime of this Lazy instance.
 * public fun isInitialized(): Boolean
 }
 /**
 * Creates a new instance of
 the [Lazy] that is already initialized with the specified [value].
 * public fun <T> lazyOf(value: T): Lazy<T> =

```

InitializedLazyImpl(value)\n\n/**\n * An extension to delegate a read-only property of type [T] to an instance of [Lazy].\n *\n * This extension allows to use instances of Lazy for property delegation:\n *\n `val property: String by lazy { initializer }`\n *\n @kotlin.internal.InlineOnly\n\npublic inline operator fun <T> Lazy<T>.getValue(thisRef: Any?, property: KProperty<*>): T = value\n\n/**\n * Specifies how a [Lazy] instance synchronizes initialization among multiple threads.\n *\n\npublic enum class LazyThreadSafetyMode {\n\n /**\n * Locks are used to ensure that only a single thread can initialize the [Lazy] instance.\n *\n SYNCHRONIZED,\n\n /**\n * Initializer function can be called several times on concurrent access to uninitialized [Lazy] instance value,\n * but only the first returned value will be used as the value of [Lazy] instance.\n *\n PUBLICATION,\n\n /**\n * No locks are used to synchronize an access to the [Lazy] instance value; if the instance is accessed from multiple threads, its behavior is undefined.\n *\n *\n * This mode should not be used unless the [Lazy] instance is guaranteed never to be initialized from more than one thread.\n *\n NONE,\n\n}\n\n\ninternal object UNINITIALIZED_VALUE\n\n// internal to be called from lazy in JS\n\ninternal class UnsafeLazyImpl<out T>(initializer: () -> T) : Lazy<T>, Serializable {\n\n private var initializer: (() -> T)? = initializer\n\n private var _value: Any? = UNINITIALIZED_VALUE\n\n\n override val value: T\n\n get() {\n\n if (_value === UNINITIALIZED_VALUE) {\n\n _value = initializer!!()\n\n initializer = null\n\n }\n\n\n @Suppress("UNCHECKED_CAST")\n\n return _value as T\n\n }\n\n\n override fun isInitialized(): Boolean = _value != UNINITIALIZED_VALUE\n\n\n override fun toString(): String = if (isInitialized()) value.toString() else "Lazy value not initialized yet."\n\n\n private fun writeReplace(): Any = InitializedLazyImpl(value)\n\n}\n\n\ninternal class InitializedLazyImpl<out T>(override val value: T) : Lazy<T>, Serializable {\n\n\n override fun isInitialized(): Boolean = true\n\n\n override fun toString(): String = value.toString()\n\n}\n\n\n", "/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n\n

*\n\n @file:kotlin.jvm.JvmMultifileClass\n\n @file:kotlin.jvm.JvmName("NumbersKt")\n\n package kotlin\n\n /**\n *\n Counts the number of set bits in the binary representation of this [Int] number.\n\n *\n\n @SinceKotlin("1.3")\n\n @ExperimentalStdlibApi\n\n public expect fun Int.countOneBits(): Int\n\n /**\n *\n Counts the number of consecutive most significant bits that are zero in the binary representation of this [Int] number.\n\n *\n\n @SinceKotlin("1.3")\n\n @ExperimentalStdlibApi\n\n public expect fun Int.countLeadingZeroBits(): Int\n\n /**\n *\n Counts the number of consecutive least significant bits that are zero in the binary representation of this [Int] number.\n\n *\n\n @SinceKotlin("1.3")\n\n @ExperimentalStdlibApi\n\n public expect fun Int.countTrailingZeroBits(): Int\n\n /**\n *\n Returns a number having a single bit set in the position of the most significant set bit of this [Int] number,\n * or zero, if this number is zero.\n\n *\n\n @SinceKotlin("1.3")\n\n @ExperimentalStdlibApi\n\n public expect fun Int.takeHighestOneBit(): Int\n\n /**\n *\n Returns a number having a single bit set in the position of the least significant set bit of this [Int] number,\n * or zero, if this number is zero.\n\n *\n\n @SinceKotlin("1.3")\n\n @ExperimentalStdlibApi\n\n public expect fun Int.takeLowestOneBit(): Int\n\n /**\n *\n Rotates the binary representation of this [Int] number left by the specified [bitCount] number of bits.\n * The most significant bits pushed out from the left side reenter the number as the least significant bits on the right side.\n *\n *\n * Rotating the number left by a negative bit count is the same as rotating it right by the negated bit count:\n *\n\n `number.rotateLeft(-n) == number.rotateRight(n)`\n\n *\n * Rotating by a multiple of [Int.SIZE_BITS] (32) returns the same number, or more generally\n *\n\n `number.rotateLeft(n) == number.rotateLeft(n % 32)`\n\n *\n\n @SinceKotlin("1.3")\n\n @ExperimentalStdlibApi\n\n public expect fun Int.rotateLeft(bitCount: Int): Int\n\n /**\n *\n Rotates the binary representation of this [Int] number right by the specified [bitCount] number of bits.\n * The least significant bits pushed out from the right side reenter the number as the most significant bits on the left side.\n *\n *\n * Rotating the number right by a negative bit count is the same as rotating it left by the negated bit count:\n *\n\n `number.rotateRight(-n) == number.rotateLeft(n)`\n\n *\n * Rotating by a multiple of [Int.SIZE_BITS] (32) returns the same number, or more generally\n *\n\n `number.rotateRight(n) == number.rotateRight(n % 32)`\n\n *\n\n @SinceKotlin("1.3")\n\n @ExperimentalStdlibApi\n\n public expect fun Int.rotateRight(bitCount: Int): Int\n\n /**\n *\n Counts the number of set bits in the binary representation of this [Long] number.\n\n

`*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic expect fun Long.countOneBits(): Int\n\n/**\n * Counts the number of consecutive most significant bits that are zero in the binary representation of this [Long] number.\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic expect fun Long.countLeadingZeroBits(): Int\n\n/**\n * Counts the number of consecutive least significant bits that are zero in the binary representation of this [Long] number.\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic expect fun Long.countTrailingZeroBits(): Int\n\n/**\n * Returns a number having a single bit set in the position of the most significant set bit of this [Long] number,\n * or zero, if this number is zero.\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic expect fun Long.takeHighestOneBit(): Long\n\n/**\n * Returns a number having a single bit set in the position of the least significant set bit of this [Long] number,\n * or zero, if this number is zero.\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic expect fun Long.takeLowestOneBit(): Long\n\n/**\n * Rotates the binary representation of this [Long] number left by the specified [bitCount] number of bits.\n * The most significant bits pushed out from the left side reenter the number as the least significant bits on the right side.\n * Rotating the number left by a negative bit count is the same as rotating it right by the negated bit count:\n * `number.rotateLeft(-n) == number.rotateRight(n)`\n * Rotating by a multiple of [Long.SIZE_BITS] (64) returns the same number, or more generally\n * `number.rotateLeft(n) == number.rotateLeft(n % 64)`\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic expect fun Long.rotateLeft(bitCount: Int): Long\n\n/**\n * Rotates the binary representation of this [Long] number right by the specified [bitCount] number of bits.\n * The least significant bits pushed out from the right side reenter the number as the most significant bits on the left side.\n * Rotating the number right by a negative bit count is the same as rotating it left by the negated bit count:\n * `number.rotateRight(-n) == number.rotateLeft(n)`\n * Rotating by a multiple of [Long.SIZE_BITS] (64) returns the same number, or more generally\n * `number.rotateRight(n) == number.rotateRight(n % 64)`\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic expect fun Long.rotateRight(bitCount: Int): Long\n\n/**\n * Counts the number of set bits in the binary representation of this [Byte] number.\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@kotlin.internal.InlineOnly\npublic inline fun Byte.countOneBits(): Int = (toInt() and 0xFF).countOneBits()\n\n/**\n * Counts the number of consecutive most significant bits that are zero in the binary representation of this [Byte] number.\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@kotlin.internal.InlineOnly\npublic inline fun Byte.countLeadingZeroBits(): Int = (toInt() and 0xFF).countLeadingZeroBits() - (Int.SIZE_BITS - Byte.SIZE_BITS)\n\n/**\n * Counts the number of consecutive least significant bits that are zero in the binary representation of this [Byte] number.\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@kotlin.internal.InlineOnly\npublic inline fun Byte.countTrailingZeroBits(): Int = (toInt() or 0x100).countTrailingZeroBits()\n\n/**\n * Returns a number having a single bit set in the position of the most significant set bit of this [Byte] number,\n * or zero, if this number is zero.\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@kotlin.internal.InlineOnly\npublic inline fun Byte.takeHighestOneBit(): Byte = (toInt() and 0xFF).takeHighestOneBit().toByte()\n\n/**\n * Returns a number having a single bit set in the position of the least significant set bit of this [Byte] number,\n * or zero, if this number is zero.\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@kotlin.internal.InlineOnly\npublic inline fun Byte.takeLowestOneBit(): Byte = toInt().takeLowestOneBit().toByte()\n\n/**\n * Rotates the binary representation of this [Byte] number left by the specified [bitCount] number of bits.\n * The most significant bits pushed out from the left side reenter the number as the least significant bits on the right side.\n * Rotating the number left by a negative bit count is the same as rotating it right by the negated bit count:\n * `number.rotateLeft(-n) == number.rotateRight(n)`\n * Rotating by a multiple of [Byte.SIZE_BITS] (8) returns the same number, or more generally\n * `number.rotateLeft(n) == number.rotateLeft(n % 8)`\n */\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic fun Byte.rotateLeft(bitCount: Int): Byte = (toInt().shl(bitCount and 7) or (toInt() and 0xFF).ushr(8 - (bitCount and 7))).toByte()\n\n/**\n * Rotates the binary representation of this [Byte] number right by the specified [bitCount] number of bits.\n * The least significant bits pushed out from the right side reenter the number as the most significant bits on the left side.\n * Rotating the number right by a negative bit count is the same as rotating it left by the negated bit count:\n */`


```

`number.rotateRight(-n) == number.rotateLeft(n)`\n * Rotating by a multiple of [Byte.SIZE_BITS] (8) returns
the same number, or more generally\n * `number.rotateRight(n) == number.rotateRight(n % 8)`\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic fun Byte.rotateRight(bitCount: Int): Byte =\n(toInt().shl(8 - (bitCount and 7)) or (toInt() and 0xFF).ushr(bitCount and 7)).toByte()\n\n**\n * Counts the number
of set bits in the binary representation of this [Short] number.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@kotlin.internal.InlineOnly\npublic inline fun
Short.countOneBits(): Int = (toInt() and 0xFFFF).countOneBits()\n\n**\n * Counts the number of consecutive most
significant bits that are zero in the binary representation of this [Short] number.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@kotlin.internal.InlineOnly\npublic inline fun
Short.countLeadingZeroBits(): Int =\n (toInt() and 0xFFFF).countLeadingZeroBits() - (Int.SIZE_BITS -
Short.SIZE_BITS)\n\n**\n * Counts the number of consecutive least significant bits that are zero in the binary
representation of this [Short] number.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@kotlin.internal.InlineOnly\npublic inline fun
Short.countTrailingZeroBits(): Int = (toInt() or 0x10000).countTrailingZeroBits()\n\n**\n * Returns a number
having a single bit set in the position of the most significant set bit of this [Short] number,\n * or zero, if this number
is zero.\n * \n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@kotlin.internal.InlineOnly\npublic inline fun
Short.takeHighestOneBit(): Short = (toInt() and 0xFFFF).takeHighestOneBit().toShort()\n\n**\n * Returns a
number having a single bit set in the position of the least significant set bit of this [Short] number,\n * or zero, if this
number is zero.\n * \n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@kotlin.internal.InlineOnly\npublic inline
fun Short.takeLowestOneBit(): Short = toInt().takeLowestOneBit().toShort()\n\n**\n * Rotates the binary
representation of this [Short] number left by the specified [bitCount] number of bits.\n * The most significant bits
pushed out from the left side reenter the number as the least significant bits on the right side.\n * \n * Rotating the
number left by a negative bit count is the same as rotating it right by the negated bit count:\n * `number.rotateLeft(-
n) == number.rotateRight(n)`\n * \n * Rotating by a multiple of [Short.SIZE_BITS] (16) returns the same number, or
more generally\n * `number.rotateLeft(n) == number.rotateLeft(n % 16)`\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic fun Short.rotateLeft(bitCount: Int): Short =\n
(toInt().shl(bitCount and 15) or (toInt() and 0xFFFF).ushr(16 - (bitCount and 15))).toShort()\n\n**\n * Rotates the
binary representation of this [Short] number right by the specified [bitCount] number of bits.\n * The least
significant bits pushed out from the right side reenter the number as the most significant bits on the left side.\n * \n *
Rotating the number right by a negative bit count is the same as rotating it left by the negated bit count:\n *
`number.rotateRight(-n) == number.rotateLeft(n)`\n * \n * Rotating by a multiple of [Short.SIZE_BITS] (16) returns
the same number, or more generally\n * `number.rotateRight(n) == number.rotateRight(n % 16)`\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\npublic fun Short.rotateRight(bitCount: Int): Short =\n
(toInt().shl(16 - (bitCount and 15)) or (toInt() and 0xFFFF).ushr(bitCount and 15)).toShort()\n\n**\n * Copyright
2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed
by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n * \n\npackage kotlin\nimport
kotlin.internal.RequireKotlin\nimport
kotlin.internal.RequireKotlinVersionKind\n@kotlin.internal.InlineOnly\n@SinceKotlin("1.2")\n@Suppress("IN
VISIBLE_MEMBER", "INVISIBLE_REFERENCE")\n@RequireKotlin("1.2.30", level =
DeprecationLevel.HIDDEN, versionKind = RequireKotlinVersionKind.COMPILER_VERSION)\npublic inline fun
<R> suspend(noinline block: suspend () -> R): suspend () -> R = block\n\n**\n * Copyright 2010-2018 JetBrains
s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0
license that can be found in the license/LICENSE.txt file.\n
*\n@file:kotlin.jvm.JvmName("TuplesKt")\n\npackage kotlin\n\n**\n * Represents a generic pair of two
values.\n * \n * There is no meaning attached to values in this class, it can be used for any purpose.\n * Pair exhibits
value semantics, i.e. two pairs are equal if both components are equal.\n * \n * An example of decomposing it into
values:\n * @sample samples.misc.Tuples.pairDestructuring\n * \n * @param A type of the first value.\n * @param
B type of the second value.\n * @property first First value.\n * @property second Second value.\n * @constructor

```

```

Creates a new instance of Pair.\n *\npublic data class Pair<out A, out B>(\n  public val first: A,\n  public val\n  second: B)\n) : Serializable {\n\n  /**\n   * Returns string representation of the [Pair] including its [first] and\n  [second] values.\n   *\n   public override fun toString(): String = \"($first, $second)\"\n}\n\n/**\n * Creates a tuple\n of type [Pair] from this and [that].\n *\n * This can be useful for creating [Map] literals with less noise, for\n example:\n * @sample samples.collections.Maps.Instantiation.mapFromPairs\n *\npublic infix fun <A, B>\n A.to(that: B): Pair<A, B> = Pair(this, that)\n\n/**\n * Converts this pair into a list.\n * @sample\n samples.misc.Tuples.pairToList\n *\npublic fun <T> Pair<T, T>.toList(): List<T> = listOf(first, second)\n\n/**\n * Represents a triad of values\n *\n * There is no meaning attached to values in this class, it can be used for any\n purpose.\n * Triple exhibits value semantics, i.e. two triples are equal if all three components are equal.\n * An\n example of decomposing it into values:\n * @sample samples.misc.Tuples.tripleDestructuring\n *\n * @param A\n type of the first value.\n * @param B type of the second value.\n * @param C type of the third value.\n * @property\n first First value.\n * @property\n second Second value.\n * @property\n third Third value.\n *\npublic data class\n Triple<out A, out B, out C>(\n  public val first: A,\n  public val second: B,\n  public val third: C)\n) : Serializable\n {\n\n  /**\n   * Returns string representation of the [Triple] including its [first], [second] and [third] values.\n   *\n   public override fun toString(): String = \"($first, $second, $third)\"\n}\n\n/**\n * Converts this triple into a\n list.\n * @sample\n samples.misc.Tuples.tripleToList\n *\npublic fun <T> Triple<T, T, T>.toList(): List<T> =\n listOf(first, second, third)\n","/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language\n contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the\n license/LICENSE.txt file.\n *\n\n// Auto-generated file. DO NOT EDIT!\n\npackage kotlin.ranges\n\n\nimport\n kotlin.internal.*\n\n/**\n * A range of values of type `UInt`.\n *\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic class UIntRange(start: UInt, endInclusive: UInt)\n : UIntProgression(start, endInclusive, 1), ClosedRange<UInt> {\n  override val start: UInt get() = first\n  override\n  val endInclusive: UInt get() = last\n  override fun contains(value: UInt): Boolean = first <= value && value <=\n  last\n  override fun isEmpty(): Boolean = first > last\n  override fun equals(other: Any?): Boolean =\n  other is UIntRange && (isEmpty() && other.isEmpty()) ||\n  first == other.first && last == other.last\n  override fun hashCode(): Int =\n  if (isEmpty()) -1 else (31 * first.toInt() + last.toInt())\n  override fun\n  toString(): String = \"$first..$last\"\n  companion object {\n    /** An empty range of values of type UInt. *\n    public val EMPTY: UIntRange = UIntRange(UInt.MAX_VALUE, UInt.MIN_VALUE)\n  }\n}\n\n/**\n * A\n progression of values of type `UInt`.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic open\n class UIntProgression\n  internal constructor(\n  start: UInt,\n  endInclusive: UInt,\n  step: Int)\n : Iterable<UInt>\n {\n  init {\n    if (step == 0.toInt()) throw kotlin.IllegalArgumentException("Step must be non-zero.")\n    if\n  (step == Int.MIN_VALUE) throw kotlin.IllegalArgumentException("Step must be greater than Int.MIN_VALUE\n  to avoid overflow on negation.")\n  }\n  /**\n   * The first element in the progression.\n   *\n   public val\n  first: UInt = start\n  /**\n   * The last element in the progression.\n   *\n   public val\n  last: UInt =\n  getProgressionLastElement(start, endInclusive, step)\n  /**\n   * The step of the progression.\n   *\n   public\n  val step: Int = step\n  override fun iterator(): UIntIterator = UIntProgressionIterator(first, last, step)\n  /**\n   Checks if the progression is empty. *\n   public open fun isEmpty(): Boolean = if (step > 0) first > last else first <\n  last\n  override fun equals(other: Any?): Boolean =\n  other is UIntProgression && (isEmpty() &&\n  other.isEmpty()) ||\n  first == other.first && last == other.last && step == other.step\n  override fun\n  hashCode(): Int =\n  if (isEmpty()) -1 else (31 * (31 * first.toInt() + last.toInt()) + step.toInt())\n  override fun\n  toString(): String = if (step > 0) \"$first..$last step $step\" else \"$first downTo $last step\n  ${-step}\"\n  companion\n  object {\n    /**\n     * Creates UIntProgression within the specified bounds of a closed range.\n     *\n     * The\n     progression starts with the [rangeStart] value and goes toward the [rangeEnd] value not excluding it, with the\n     specified [step].\n     *\n     * In order to go backwards the [step] must be negative.\n     *\n     * [step] must be\n     greater than `Int.MIN_VALUE` and not equal to zero.\n     *\n     public fun fromClosedRange(rangeStart:\n  UInt, rangeEnd: UInt, step: Int): UIntProgression = UIntProgression(rangeStart, rangeEnd, step)\n  }\n}\n\n/**\n * An iterator over a progression of values of type `UInt`.\n * @property\n  step the number by which the value is\n  incremented on each step.\n *\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\nprivate class

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UIntProgressionIterator(first: UInt, last: UInt, step: Int) : UIntIterator() {\n  private val finalElement = last\n  private var hasNext: Boolean = if (step > 0) first <= last else first >= last\n  private val step = step.toUInt() // use 2-complement math for negative steps\n  private var next = if (hasNext) first else finalElement\n\n  override fun hasNext(): Boolean = hasNext\n\n  override fun nextUInt(): UInt {\n    val value = next\n    if (value == finalElement) {\n      if (!hasNext) throw kotlin.NoSuchElementException()\n      hasNext = false\n    } else {\n      next += step\n    }\n    return value\n  }\n}\n\n"/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n// Auto-generated file. DO NOT EDIT!\n\npackage kotlin.collections\n\n/** An iterator over a sequence of values of type `UByte`.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic abstract class UByteIterator : Iterator<UByte> {\n  override final fun next() = nextUByte()\n  /** Returns the next value in the sequence without boxing. */\n  public abstract fun nextUByte(): UByte\n}\n\n/** An iterator over a sequence of values of type `UShort`.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic abstract class UShortIterator : Iterator<UShort> {\n  override final fun next() = nextUShort()\n  /** Returns the next value in the sequence without boxing. */\n  public abstract fun nextUShort(): UShort\n}\n\n/** An iterator over a sequence of values of type `UInt`.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic abstract class UIntIterator : Iterator<UInt> {\n  override final fun next() = nextUInt()\n  /** Returns the next value in the sequence without boxing. */\n  public abstract fun nextUInt(): UInt\n}\n\n/** An iterator over a sequence of values of type `ULong`.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic abstract class ULongIterator : Iterator<ULong> {\n  override final fun next() = nextULong()\n  /** Returns the next value in the sequence without boxing. */\n  public abstract fun nextULong(): ULong\n}\n\n"/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\n// Auto-generated file. DO NOT EDIT!\n\npackage kotlin.ranges\n\nimport kotlin.internal.*\n\n/** A range of values of type `ULong`.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic class ULongRange(start: ULong, endInclusive: ULong) : ULongProgression(start, endInclusive, 1), ClosedRange<ULong> {\n  override val start: ULong get() = first\n  override val endInclusive: ULong get() = last\n  override fun contains(value: ULong): Boolean = first <= value && value <= last\n  override fun isEmpty(): Boolean = first > last\n  override fun equals(other: Any?): Boolean =\n    other is ULongRange && (isEmpty() && other.isEmpty() ||\n      first == other.first && last == other.last)\n  override fun hashCode(): Int =\n    if (isEmpty()) -1 else (31 * (first xor (first shr 32)).toInt() +\n      (last xor (last shr 32)).toInt())\n  override fun toString(): String = "$first..$last"\n\n  companion object {\n    /** An empty range of values of type ULong. */\n    public val EMPTY: ULongRange = ULongRange(ULong.MAX_VALUE, ULong.MIN_VALUE)\n  }\n}\n\n/** A progression of values of type `ULong`.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic open class ULongProgression\n  internal constructor(\n    start: ULong,\n    endInclusive: ULong,\n    step: Long\n) : Iterable<ULong> {\n  init {\n    if (step == 0.toLong()) throw kotlin.IllegalArgumentException("Step must be non-zero.")\n    if (step == Long.MIN_VALUE) throw kotlin.IllegalArgumentException("Step must be greater than Long.MIN_VALUE to avoid overflow on negation.")\n  }\n\n  /**\n   * The first element in the progression.\n   */\n  public val first: ULong = start\n\n  /**\n   * The last element in the progression.\n   */\n  public val last: ULong = getProgressionLastElement(start, endInclusive, step)\n\n  /**\n   * The step of the progression.\n   */\n  public val step: Long = step\n\n  override fun iterator(): ULongIterator = ULongProgressionIterator(first, last, step)\n\n  /** Checks if the progression is empty. */\n  public open fun isEmpty(): Boolean = if (step > 0) first > last else first < last\n\n  override fun equals(other: Any?): Boolean =\n    other is ULongProgression && (isEmpty() && other.isEmpty() ||\n      first == other.first && last == other.last && step == other.step)\n\n  override fun hashCode(): Int =\n    if (isEmpty()) -1 else (31 * (31 * (first xor (first shr 32)).toInt() +\n      (last xor (last shr 32)).toInt()) + (step xor (step ushr 32)).toInt())\n\n  override fun toString(): String = if (step > 0) "$first..$last step $step" else "$first downTo $last step ${-step}"\n\n  companion object {\n    /**\n     * Creates ULongProgression within the specified bounds of a closed range.\n     */\n    * The

```

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progression starts with the [rangeStart] value and goes toward the [rangeEnd] value not excluding it, with the
specified [step].\n      * In order to go backwards the [step] must be negative.\n      *\n      * [step] must be
greater than `Long.MIN_VALUE` and not equal to zero.\n      */\n      public fun fromClosedRange(rangeStart:
ULong, rangeEnd: ULong, step: Long): ULongProgression = ULongProgression(rangeStart, rangeEnd, step)\n
})\n\n\n/**\n * An iterator over a progression of values of type `ULong`.\n * @property step the number by which
the value is incremented on each step.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\nprivate class
ULongProgressionIterator(first: ULong, last: ULong, step: Long) : ULongIterator() {\n    private val finalElement =
last\n    private var hasNext: Boolean = if (step > 0) first <= last else first >= last\n    private val step =
step.toULong() // use 2-complement math for negative steps\n    private var next = if (hasNext) first else
finalElement\n\n    override fun hasNext(): Boolean = hasNext\n\n    override fun nextULong(): ULong {\n        val
value = next\n        if (value == finalElement) {\n            if (!hasNext) throw kotlin.NoSuchElementException()\n
            hasNext = false\n        } else {\n            next += step\n        }\n        return value\n    }\n}\n\n",
"/*\n * Copyright
2010-2019 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed
by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n */\n\npackage kotlin.math\n\n/**\n *
Returns the smaller of two values.\n\n\n*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun min(a:
UInt, b: UInt): UInt {\n    return minOf(a, b)\n}\n\n/**\n * Returns the smaller of two values.\n\n\n*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun min(a:
ULong, b: ULong): ULong {\n    return minOf(a, b)\n}\n\n/**\n * Returns the greater of two values.\n\n\n*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun max(a:
UInt, b: UInt): UInt {\n    return maxOf(a, b)\n}\n\n/**\n * Returns the greater of two values.\n\n\n*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun max(a:
ULong, b: ULong): ULong {\n    return maxOf(a, b)\n}\n",
"/*\n * Copyright 2010-2019 JetBrains s.r.o. and Kotlin
Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license that can be
found in the license/LICENSE.txt file.\n */\n\n@file:kotlin.jvm.JvmName("UNumbersKt")\npackage
kotlin\n\n/**\n * Counts the number of set bits in the binary representation of this [UInt] number.\n\n\n*/\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun UInt.countOneBits(): Int = toInt().countOneBits()\n\n/**\n * Counts the number of consecutive
most significant bits that are zero in the binary representation of this [UInt] number.\n\n\n*/\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun UInt.countLeadingZeroBits(): Int = toInt().countLeadingZeroBits()\n\n/**\n * Counts the
number of consecutive least significant bits that are zero in the binary representation of this [UInt] number.\n\n\n*/\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun UInt.countTrailingZeroBits(): Int = toInt().countTrailingZeroBits()\n\n/**\n * Returns a number
having a single bit set in the position of the most significant set bit of this [UInt] number,\n * or zero, if this number
is zero.\n\n\n*/\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun UInt.takeHighestOneBit(): UInt = toInt().takeHighestOneBit().toUInt()\n\n/**\n * Returns a
number having a single bit set in the position of the least significant set bit of this [UInt] number,\n * or zero, if this
number is zero.\n\n\n*/\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun UInt.takeLowestOneBit(): UInt = toInt().takeLowestOneBit().toUInt()\n\n/**\n * Rotates the
binary representation of this [UInt] number left by the specified [bitCount] number of bits.\n * The most significant
bits pushed out from the left side reenter the number as the least significant bits on the right side.\n * \n * Rotating
the number left by a negative bit count is the same as rotating it right by the negated bit count:\n *
`number.rotateLeft(-n) == number.rotateRight(n)`\n * \n * Rotating by a multiple of [UInt.SIZE_BITS] (32) returns
the same number, or more generally\n * `number.rotateLeft(n) == number.rotateLeft(n % 32)`\n\n\n*/\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl

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y\npublic inline fun UInt.rotateLeft(bitCount: Int): UInt = toInt().rotateLeft(bitCount).toInt()\n\n/**\n * Rotates
the binary representation of this [UInt] number right by the specified [bitCount] number of bits.\n * The least
significant bits pushed out from the right side reenter the number as the most significant bits on the left side.\n *
Rotating the number right by a negative bit count is the same as rotating it left by the negated bit count:\n *
`number.rotateRight(-n) == number.rotateLeft(n)`\n * Rotating by a multiple of [UInt.SIZE_BITS] (32) returns
the same number, or more generally\n * `number.rotateRight(n) == number.rotateRight(n % 32)`\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun UInt.rotateRight(bitCount: Int): UInt = toInt().rotateRight(bitCount).toInt()\n\n/**\n *
Counts the number of set bits in the binary representation of this [ULong] number.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun ULong.countOneBits(): Int = toLong().countOneBits()\n\n/**\n * Counts the number of
consecutive most significant bits that are zero in the binary representation of this [ULong] number.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun ULong.countLeadingZeroBits(): Int = toLong().countLeadingZeroBits()\n\n/**\n * Counts the
number of consecutive least significant bits that are zero in the binary representation of this [ULong] number.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun ULong.countTrailingZeroBits(): Int = toLong().countTrailingZeroBits()\n\n/**\n * Returns a
number having a single bit set in the position of the most significant set bit of this [ULong] number,\n * or zero, if
this number is zero.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun ULong.takeHighestOneBit(): ULong = toLong().takeHighestOneBit().toULong()\n\n/**\n *
Returns a number having a single bit set in the position of the least significant set bit of this [ULong] number,\n * or
zero, if this number is zero.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun ULong.takeLowestOneBit(): ULong = toLong().takeLowestOneBit().toULong()\n\n/**\n *
Rotates the binary representation of this [ULong] number left by the specified [bitCount] number of bits.\n * The
most significant bits pushed out from the left side reenter the number as the least significant bits on the right side.\n
*\n * Rotating the number left by a negative bit count is the same as rotating it right by the negated bit count:\n *
`number.rotateLeft(-n) == number.rotateRight(n)`\n * Rotating by a multiple of [ULong.SIZE_BITS] (64)
returns the same number, or more generally\n * `number.rotateLeft(n) == number.rotateLeft(n % 64)`\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun ULong.rotateLeft(bitCount: Int): ULong = toLong().rotateLeft(bitCount).toULong()\n\n/**\n *
Rotates the binary representation of this [ULong] number right by the specified [bitCount] number of bits.\n * The
least significant bits pushed out from the right side reenter the number as the most significant bits on the left side.\n
*\n * Rotating the number right by a negative bit count is the same as rotating it left by the negated bit count:\n *
`number.rotateRight(-n) == number.rotateLeft(n)`\n * Rotating by a multiple of [ULong.SIZE_BITS] (64)
returns the same number, or more generally\n * `number.rotateRight(n) == number.rotateRight(n % 64)`\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun ULong.rotateRight(bitCount: Int): ULong = toLong().rotateRight(bitCount).toULong()\n\n/**\n *
Counts the number of set bits in the binary representation of this [UByte] number.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun UByte.countOneBits(): Int = toUInt().countOneBits()\n\n/**\n * Counts the number of
consecutive most significant bits that are zero in the binary representation of this [UByte] number.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun UByte.countLeadingZeroBits(): Int = toByte().countLeadingZeroBits()\n\n/**\n * Counts the
number of consecutive least significant bits that are zero in the binary representation of this [UByte] number.\n
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnl
y\npublic inline fun UByte.countTrailingZeroBits(): Int = toByte().countTrailingZeroBits()\n\n/**\n * Returns a

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number having a single bit set in the position of the most significant set bit of this [UByte] number, \n * or zero, if this number is zero.\n

```
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UByte.takeHighestOneBit(): UByte = toInt().takeHighestOneBit().toUByte()\n\n/**\n * Returns a number having a single bit set in the position of the least significant set bit of this [UByte] number,\n * or zero, if this number is zero.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UByte.takeLowestOneBit(): UByte = toInt().takeLowestOneBit().toUByte()\n\n/**\n * Rotates the binary representation of this [UByte] number left by the specified [bitCount] number of bits.\n * The most significant bits pushed out from the left side reenter the number as the least significant bits on the right side.\n *\n * Rotating the number left by a negative bit count is the same as rotating it right by the negated bit count:\n * `number.rotateLeft(-n) == number.rotateRight(n)`\n *\n * Rotating by a multiple of [UByte.SIZE_BITS] (8) returns the same number, or more generally\n * `number.rotateLeft(n) == number.rotateLeft(n % 8)`\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UByte.rotateLeft(bitCount: Int): UByte = toByte().rotateLeft(bitCount).toUByte()\n\n/**\n * Rotates the binary representation of this [UByte] number right by the specified [bitCount] number of bits.\n * The least significant bits pushed out from the right side reenter the number as the most significant bits on the left side.\n *\n * Rotating the number right by a negative bit count is the same as rotating it left by the negated bit count:\n * `number.rotateRight(-n) == number.rotateLeft(n)`\n *\n * Rotating by a multiple of [UByte.SIZE_BITS] (8) returns the same number, or more generally\n * `number.rotateRight(n) == number.rotateRight(n % 8)`\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UByte.rotateRight(bitCount: Int): UByte = toByte().rotateRight(bitCount).toUByte()\n\n/**\n * Counts the number of set bits in the binary representation of this [UShort] number.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UShort.countOneBits(): Int = toUInt().countOneBits()\n\n/**\n * Counts the number of consecutive most significant bits that are zero in the binary representation of this [UShort] number.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UShort.countLeadingZeroBits(): Int = toShort().countLeadingZeroBits()\n\n/**\n * Counts the number of consecutive least significant bits that are zero in the binary representation of this [UShort] number.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UShort.countTrailingZeroBits(): Int = toShort().countTrailingZeroBits()\n\n/**\n * Returns a number having a single bit set in the position of the most significant set bit of this [UShort] number,\n * or zero, if this number is zero.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UShort.takeHighestOneBit(): UShort = toInt().takeHighestOneBit().toUShort()\n\n/**\n * Returns a number having a single bit set in the position of the least significant set bit of this [UShort] number,\n * or zero, if this number is zero.\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UShort.takeLowestOneBit(): UShort = toInt().takeLowestOneBit().toUShort()\n\n/**\n * Rotates the binary representation of this [UShort] number left by the specified [bitCount] number of bits.\n * The most significant bits pushed out from the left side reenter the number as the least significant bits on the right side.\n *\n * Rotating the number left by a negative bit count is the same as rotating it right by the negated bit count:\n * `number.rotateLeft(-n) == number.rotateRight(n)`\n *\n * Rotating by a multiple of [UShort.SIZE_BITS] (16) returns the same number, or more generally\n * `number.rotateLeft(n) == number.rotateLeft(n % 16)`\n
```

```
*\n@SinceKotlin("1.3")\n@ExperimentalStdlibApi\n@ExperimentalUnsignedTypes\n@kotlin.internal.InlineOnly\npublic inline fun UShort.rotateLeft(bitCount: Int): UShort = toShort().rotateLeft(bitCount).toUShort()\n\n/**\n * Rotates the binary representation of this [UShort] number right by the specified [bitCount] number of bits.\n * The least significant bits pushed out from the right side reenter the number as the most significant bits on the left side.\n
```

```

*\n * Rotating the number right by a negative bit count is the same as rotating it left by the negated bit count:\n *
`number.rotateRight(-n) == number.rotateLeft(n)`\n *\n * Rotating by a multiple of [UShort.SIZE_BITS] (16)
returns the same number, or more generally\n * `number.rotateRight(n) == number.rotateRight(n % 16)`\n
*\n@\n@SinceKotlin("1.3")\n@\n@ExperimentalStdlibApi\n@\n@ExperimentalUnsignedTypes\n@\n@kotlin.internal.InlineOnly\n
public inline fun UShort.rotateRight(bitCount: Int): UShort = toShort().rotateRight(bitCount).toUShort()\n", /*\n
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is governed by the Apache 2.0 license that can be found in the license/LICENSE.txt file.\n
*\n@\n@file:UseExperimental(ExperimentalUnsignedTypes::class)\n\npackage kotlin.internal\n\n// (a - b) mod
c\n\nprivate fun differenceModulo(a: UInt, b: UInt, c: UInt): UInt {\n    val ac = a % c\n    val bc = b % c\n    return if
(ac >= bc) ac - bc else ac - bc + c}\n\nprivate fun differenceModulo(a: ULong, b: ULong, c: ULong): ULong {\n
val ac = a % c\n    val bc = b % c\n    return if (ac >= bc) ac - bc else ac - bc + c}\n\n**\n *\n * Calculates the final
element of a bounded arithmetic progression, i.e. the last element of the progression which is in the range\n * from
[start] to [end] in case of a positive [step], or from [end] to [start] in case of a negative\n * [step].\n *\n * No
validation on passed parameters is performed. The given parameters should satisfy the condition:\n *\n * - either
`step > 0` and `start <= end`,\n * - or `step < 0` and `start >= end`.\n *\n * @param start first element of the
progression\n * @param end ending bound for the progression\n * @param step increment, or difference of
successive elements in the progression\n * @return the final element of the progression\n * @suppress\n
*\n@\n@PublishedApi\n@\n@SinceKotlin("1.3")\n\ninternal fun getProgressionLastElement(start: UInt, end: UInt, step:
Int): UInt = when {\n    step > 0 -> if (start >= end) end else end - differenceModulo(end, start, step.toUInt())\n
step < 0 -> if (start <= end) end else end + differenceModulo(start, end, (-step).toUInt())\n    else -> throw
kotlin.IllegalArgumentException("Step is zero.")\n}\n\n**\n *\n * Calculates the final element of a bounded
arithmetic progression, i.e. the last element of the progression which is in the range\n * from [start] to [end] in case
of a positive [step], or from [end] to [start] in case of a negative\n * [step].\n *\n * No validation on passed
parameters is performed. The given parameters should satisfy the condition:\n *\n * - either `step > 0` and `start <=
end`,\n * - or `step < 0` and `start >= end`.\n *\n * @param start first element of the progression\n * @param end
ending bound for the progression\n * @param step increment, or difference of successive elements in the
progression\n * @return the final element of the progression\n * @suppress\n
*\n@\n@PublishedApi\n@\n@SinceKotlin("1.3")\n\ninternal fun getProgressionLastElement(start: ULong, end: ULong,
step: Long): ULong = when {\n    step > 0 -> if (start >= end) end else end - differenceModulo(end, start,
step.toULong())\n    step < 0 -> if (start <= end) end else end + differenceModulo(start, end, (-step).toULong())\n
else -> throw kotlin.IllegalArgumentException("Step is zero.")\n}\n\n", /*\n
*\n * Copyright 2010-2018 JetBrains s.r.o. and Kotlin Programming Language contributors.\n * Use of this source code is governed by the Apache 2.0 license
that can be found in the license/LICENSE.txt file.\n *\n@\n@file:kotlin.jvm.JvmName("UStringsKt") // string
representation of unsigned numbers\n\npackage kotlin.text\n\n**\n *\n * Returns a string representation of this [Byte]
value in the specified [radix].\n *\n * @throws IllegalArgumentException when [radix] is not a valid radix for
number to string conversion.\n
*\n@\n@SinceKotlin("1.3")\n@\n@ExperimentalUnsignedTypes\n\n// @kotlin.internal.InlineOnly\n\npublic /*inline*/ fun
UByte.toString(radix: Int): String = this.toInt().toString(radix)\n\n**\n *\n * Returns a string representation of this
[Short] value in the specified [radix].\n *\n * @throws IllegalArgumentException when [radix] is not a valid radix
for number to string conversion.\n
*\n@\n@SinceKotlin("1.3")\n@\n@ExperimentalUnsignedTypes\n\n// @kotlin.internal.InlineOnly\n\npublic /*inline*/ fun
UShort.toString(radix: Int): String = this.toInt().toString(radix)\n\n**\n *\n * Returns a string representation of this
[Int] value in the specified [radix].\n *\n * @throws IllegalArgumentException when [radix] is not a valid radix for
number to string conversion.\n
*\n@\n@SinceKotlin("1.3")\n@\n@ExperimentalUnsignedTypes\n\n// @kotlin.internal.InlineOnly\n\npublic /*inline*/ fun
UInt.toString(radix: Int): String = this.toLong().toString(radix)\n\n**\n *\n * Returns a string representation of this
[Long] value in the specified [radix].\n *\n * @throws IllegalArgumentException when [radix] is not a valid radix
for number to string conversion.\n *\n@\n@SinceKotlin("1.3")\n@\n@ExperimentalUnsignedTypes\n\npublic fun

```

```

ULong.toString(radix: Int): String = ulongToString(this.toLong(), checkRadix(radix))\n\n/**\n * Parses the string
as a signed [UByte] number and returns the result.\n * @throws NumberFormatException if the string is not a valid
representation of a number.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun
String.toUByte(): UByte = toUByteOrNull() ?: numberFormatError(this)\n\n/**\n * Parses the string as a signed
[UByte] number and returns the result.\n * @throws NumberFormatException if the string is not a valid
representation of a number.\n * @throws IllegalArgumentException when [radix] is not a valid radix for string to
number conversion.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun String.toUByte(radix:
Int): UByte = toUByteOrNull(radix) ?: numberFormatError(this)\n\n/**\n * Parses the string as a [UShort]
number and returns the result.\n * @throws NumberFormatException if the string is not a valid representation of a
number.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun String.toUShort(): UShort =
toUShortOrNull() ?: numberFormatError(this)\n\n/**\n * Parses the string as a [UShort] number and returns the
result.\n * @throws NumberFormatException if the string is not a valid representation of a number.\n * @throws
IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun String.toUShort(radix: Int): UShort =
toUShortOrNull(radix) ?: numberFormatError(this)\n\n/**\n * Parses the string as an [UInt] number and returns the
result.\n * @throws NumberFormatException if the string is not a valid representation of a number.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun String.toUInt(): UInt = toUIntOrNull() ?:
numberFormatError(this)\n\n/**\n * Parses the string as an [UInt] number and returns the result.\n * @throws
NumberFormatException if the string is not a valid representation of a number.\n * @throws
IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun String.toUInt(radix: Int): UInt =
toUIntOrNull(radix) ?: numberFormatError(this)\n\n/**\n * Parses the string as a [ULong] number and returns the
result.\n * @throws NumberFormatException if the string is not a valid representation of a number.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun String.toULong(): ULong =
toULongOrNull() ?: numberFormatError(this)\n\n/**\n * Parses the string as a [ULong] number and returns the
result.\n * @throws NumberFormatException if the string is not a valid representation of a number.\n * @throws
IllegalArgumentException when [radix] is not a valid radix for string to number conversion.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun String.toULong(radix: Int): ULong =
toULongOrNull(radix) ?: numberFormatError(this)\n\n/**\n * Parses the string as an [UByte] number and
returns the result\n * or `null` if the string is not a valid representation of a number.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun String.toUByteOrNull(): UByte? =
toUByteOrNull(radix = 10)\n\n/**\n * Parses the string as an [UByte] number and returns the result\n * or `null` if
the string is not a valid representation of a number.\n * @throws IllegalArgumentException when [radix] is not a
valid radix for string to number conversion.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic
fun String.toUByteOrNull(radix: Int): UByte? {\n    val int = this.toUIntOrNull(radix) ?: return null\n    if (int >
UByte.MAX_VALUE) return null\n    return int.toUByte()\n}\n\n/**\n * Parses the string as an [UShort] number
and returns the result\n * or `null` if the string is not a valid representation of a number.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun String.toUShortOrNull(): UShort? =
toUShortOrNull(radix = 10)\n\n/**\n * Parses the string as an [UShort] number and returns the result\n * or `null` if
the string is not a valid representation of a number.\n * @throws IllegalArgumentException when [radix] is not a
valid radix for string to number conversion.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic
fun String.toUShortOrNull(radix: Int): UShort? {\n    val int = this.toUIntOrNull(radix) ?: return null\n    if (int >
UShort.MAX_VALUE) return null\n    return int.toUShort()\n}\n\n/**\n * Parses the string as an [UInt] number and
returns the result\n * or `null` if the string is not a valid representation of a number.\n
*/\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic fun String.toUIntOrNull(): UInt? =
toUIntOrNull(radix = 10)\n\n/**\n * Parses the string as an [UInt] number and returns the result\n * or `null` if the
string is not a valid representation of a number.\n * @throws IllegalArgumentException when [radix] is not a
valid radix for string to number conversion.\n */\n@SinceKotlin("1.3")\n@ExperimentalUnsignedTypes\npublic

```



```

fun String.toUIntOrNull(radix: Int): UInt? {
    checkRadix(radix)
    val length = this.length
    if (length == 0)
        return null
    val limit: UInt = UInt.MAX_VALUE
    val start: Int
    val firstChar = this[0]
    if (firstChar < '0') {
        if (length == 1 || firstChar != '+')
            return null
        start = 1
    } else {
        start = 0
    }
    val limitForMaxRadix = 119304647u // limit / 36
    var limitBeforeMul = limitForMaxRadix
    val uradix = radix.toUInt()
    var result = 0u
    for (i in start until length) {
        val digit = digitOf(this[i], radix)
        if (digit < 0)
            return null
        if (result > limitBeforeMul) {
            if (limitBeforeMul == limitForMaxRadix) {
                limitBeforeMul = limit / uradix
                if (result > limitBeforeMul)
                    return null
            } else {
                return null
            }
        }
        result *= uradix
        val beforeAdding = result
        result += digit.toUInt()
        if (result < beforeAdding)
            return null // overflow has happened
    }
    return result
}

```

** Parses the string as an [ULong] number and returns the result * or `null` if the string is not a valid representation of a number.*

** @throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.*

```

* @SinceKotlin("1.3") @ExperimentalUnsignedTypes
public fun String.toULongOrNull(): ULong? = toULongOrNull(radix = 10)

```

** Parses the string as an [ULong] number and returns the result * or `null` if the string is not a valid representation of a number.*

```

* @throws IllegalArgumentException when [radix] is not a valid radix for string to number conversion.
* @SinceKotlin("1.3") @ExperimentalUnsignedTypes
public fun String.toULongOrNull(radix: Int): ULong? {
    checkRadix(radix)
    val length = this.length
    if (length == 0)
        return null
    val limit: ULong = ULong.MAX_VALUE
    val start: Int
    val firstChar = this[0]
    if (firstChar < '0') {
        if (length == 1 || firstChar != '+')
            return null
        start = 1
    } else {
        start = 0
    }
    val limitForMaxRadix = 512409557603043100uL // limit / 36
    var limitBeforeMul = limitForMaxRadix
    val uradix = radix.toULong()
    var result = 0uL
    for (i in start until length) {
        val digit = digitOf(this[i], radix)
        if (digit < 0)
            return null
        if (result > limitBeforeMul) {
            if (limitBeforeMul == limitForMaxRadix) {
                limitBeforeMul = limit / uradix
                if (result > limitBeforeMul)
                    return null
            } else {
                return null
            }
        }
        result *= uradix
        val beforeAdding = result
        result += digit.toUInt()
        if (result < beforeAdding)
            return null // overflow has happened
    }
    return result
}

```

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```

* @file: Suppress("INVISIBLE_REFERENCE", "INVISIBLE_MEMBER")
package kotlin
import kotlin.annotation.AnnotationTarget
import kotlin.internal.RequireKotlin
import kotlin.internal.RequireKotlinVersionKind

```

** Marks the API that is dependent on the experimental unsigned types, including those types themselves.*

** Usages of such API will be reported as warnings unless an explicit opt-in with the [UseExperimental] annotation, e.g. `@UseExperimental(ExperimentalUnsignedTypes::class)` or with the `-Xuse-experimental=kotlin.ExperimentalUnsignedTypes` compiler option is given.*

** It's recommended to propagate the experimental status to the API that depends on unsigned types by annotating it with this annotation.*

```

* @Experimental(level = Experimental.Level.WARNING)
@MustBeDocumented
@Target(CLASS, ANNOTATION_CLASS, PROPERTY, FIELD, LOCAL_VARIABLE, VALUE_PARAMETER, CONSTRUCTOR, FUNCTION, PROPERTY_GETTER, PROPERTY_SETTER, TYPEALIAS)
@Retention(AnnotationRetention.BINARY)
@RequireKotlin("1.2.50", versionKind = RequireKotlinVersionKind.COMPILER_VERSION)
public annotation class ExperimentalUnsignedTypes

```

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```

* @file: kotlin.jvm.JvmMultifileClass
* @file: kotlin.jvm.JvmName("MathKt")
package kotlin.math

```

// constants, can't use them from nativeMath as they are not constants there

** Ratio of the circumference of a circle to its diameter, approximately 3.14159. `@SinceKotlin("1.2")`*

```

public const val PI: Double = 3.141592653589793

```

** Base of the natural logarithms, approximately 2.71828. `@SinceKotlin("1.2")`*

```

public const val E: Double = 2.718281828459045

```

// region =====

```

Double Math =====

```

** Computes the sine of the angle [x] given in radians.*

** Special cases: `sin(NaN|+Inf|-Inf)` is `NaN`*

```

* @SinceKotlin("1.2")
public

```

expect fun sin(x: Double): Double\n\n** Computes the cosine of the angle [x] given in radians.\n * Special cases:\n * - `cos(NaN|+Inf|-Inf)` is `NaN`\n *
public expect fun cos(x: Double): Double\n\n** Computes the tangent of the angle [x] given in radians.\n * Special cases:\n * - `tan(NaN|+Inf|-Inf)` is `NaN`\n *
public expect fun tan(x: Double): Double\n\n**\n * Computes the arc sine of the value [x];\n * the returned value is an angle in the range from $-\pi/2$ to $\pi/2$ radians.\n * Special cases:\n * - `asin(x)` is `NaN`, when $abs(x) > 1$ or x is `NaN`\n *
public expect fun asin(x: Double): Double\n\n**\n * Computes the arc cosine of the value [x];\n * the returned value is an angle in the range from 0.0 to π radians.\n * Special cases:\n * - `acos(x)` is `NaN`, when $abs(x) > 1$ or x is `NaN`\n *
public expect fun acos(x: Double): Double\n\n**\n * Computes the arc tangent of the value [x];\n * the returned value is an angle in the range from $-\pi/2$ to $\pi/2$ radians.\n * Special cases:\n * - `atan(NaN)` is `NaN`\n *
public expect fun atan(x: Double): Double\n\n**\n * Returns the angle `theta` of the polar coordinates `(r, theta)` that correspond\n * to the rectangular coordinates `(x, y)` by computing the arc tangent of the value y / x ;\n * the returned value is an angle in the range from $-\pi$ to π radians.\n * Special cases:\n * - `atan2(0.0, 0.0)` is 0.0 \n * - `atan2(0.0, x)` is 0.0 for $x > 0$ and π for $x < 0$ \n * - `atan2(-0.0, x)` is -0.0 for $x > 0$ and $-\pi$ for $x < 0$ \n * - `atan2(y, +Inf)` is 0.0 for $0 < y < +Inf$ and -0.0 for $-Inf < y < 0$ \n * - `atan2(y, -Inf)` is π for $0 < y < +Inf$ and $-\pi$ for $-Inf < y < 0$ \n * - `atan2(y, 0.0)` is $\pi/2$ for $y > 0$ and $-\pi/2$ for $y < 0$ \n * - `atan2(+Inf, x)` is $\pi/2$ for finite x \n * - `atan2(-Inf, x)` is $-\pi/2$ for finite x \n * - `atan2(NaN, x)` and `atan2(y, NaN)` is `NaN`\n *
public expect fun atan2(y: Double, x: Double): Double\n\n**\n * Computes the hyperbolic sine of the value [x].\n * Special cases:\n * - `sinh(NaN)` is `NaN`\n * - `sinh(+Inf)` is $+Inf$ \n * - `sinh(-Inf)` is $-Inf$ \n *
public expect fun sinh(x: Double): Double\n\n**\n * Computes the hyperbolic cosine of the value [x].\n * Special cases:\n * - `cosh(NaN)` is `NaN`\n * - `cosh(+Inf|-Inf)` is $+Inf$ \n *
public expect fun cosh(x: Double): Double\n\n**\n * Computes the hyperbolic tangent of the value [x].\n * Special cases:\n * - `tanh(NaN)` is `NaN`\n * - `tanh(+Inf)` is 1.0 \n * - `tanh(-Inf)` is -1.0 \n *
public expect fun tanh(x: Double): Double\n\n**\n * Computes the inverse hyperbolic sine of the value [x].\n * The returned value is `y` such that $\sinh(y) == x$.\n * Special cases:\n * - `asinh(NaN)` is `NaN`\n * - `asinh(+Inf)` is $+Inf$ \n * - `asinh(-Inf)` is $-Inf$ \n *
public expect fun asinh(x: Double): Double\n\n**\n * Computes the inverse hyperbolic cosine of the value [x].\n * The returned value is positive `y` such that $\cosh(y) == x$.\n * Special cases:\n * - `acosh(NaN)` is `NaN`\n * - `acosh(x)` is `NaN` when $x < 1$ \n * - `acosh(+Inf)` is $+Inf$ \n *
public expect fun acosh(x: Double): Double\n\n**\n * Computes the inverse hyperbolic tangent of the value [x].\n * The returned value is `y` such that $\tanh(y) == x$.\n * Special cases:\n * - `tanh(NaN)` is `NaN`\n * - `tanh(x)` is `NaN` when $x > 1$ or $x < -1$ \n * - `tanh(1.0)` is $+Inf$ \n * - `tanh(-1.0)` is $-Inf$ \n *
public expect fun atanh(x: Double): Double\n\n**\n * Computes $\sqrt{x^2 + y^2}$ without intermediate overflow or underflow.\n * Special cases:\n * - returns $+Inf$ if any of arguments is infinite\n * - returns `NaN` if any of arguments is `NaN` and the other is not infinite\n *
public expect fun hypot(x: Double, y: Double): Double\n\n**\n * Computes the positive square root of the value [x].\n * Special cases:\n * - \sqrt{x} is `NaN` when $x < 0$ or x is `NaN`\n *
public expect fun sqrt(x: Double): Double\n\n**\n * Computes Euler's number `e` raised to the power of the value [x].\n * Special cases:\n * - $\exp(NaN)$ is `NaN`\n * - $\exp(+Inf)$ is $+Inf$ \n * - $\exp(-Inf)$ is 0.0 \n *
public expect fun exp(x: Double): Double\n\n**\n * Computes $\exp(x) - 1$.\n * This function can be implemented to produce more precise result for [x] near zero.\n * Special cases:\n * - $\expm1(NaN)$ is `NaN`\n * - $\expm1(+Inf)$ is $+Inf$ \n * - $\expm1(-Inf)$ is -1.0 \n *
@see [exp] function.\n *
public expect fun expm1(x: Double): Double\n\n**\n * Computes the logarithm of the value [x] to the given [base].\n * Special cases:\n * - $\log(x, b)$ is `NaN` if either x or b are `NaN`\n * - $\log(x, b)$ is `NaN` when $x < 0$ or $b \leq 0$ or $b == 1.0$ \n * - $\log(+Inf, +Inf)$ is `NaN`\n * - $\log(+Inf, b)$ is $+Inf$ for $b > 1$ and $-Inf$ for $b < 1$ \n * - $\log(0.0, b)$ is $-Inf$ for $b > 1$ and $+Inf$ for $b < 1$ \n * See also logarithm functions for common fixed bases: [ln], [log10] and [log2].\n

`*\n@SinceKotlin("1.2")\npublic expect fun log(x: Double, base: Double): Double\n\n/**\n * Computes the natural logarithm (base `E`) of the value [x].\n * Special cases:\n * - `ln(NaN)` is `NaN`\n * - `ln(x)` is `NaN` when `x < 0.0`\n * - `ln(+Inf)` is `+Inf`\n * - `ln(0.0)` is `-Inf`\n */\n@SinceKotlin("1.2")\npublic expect fun ln(x: Double): Double\n\n/**\n * Computes the common logarithm (base 10) of the value [x].\n * @see [ln] function for special cases.\n */\n@SinceKotlin("1.2")\npublic expect fun log10(x: Double): Double\n\n/**\n * Computes the binary logarithm (base 2) of the value [x].\n * @see [ln] function for special cases.\n */\n@SinceKotlin("1.2")\npublic expect fun log2(x: Double): Double\n\n/**\n * Computes `ln(x + 1)`.\n * This function can be implemented to produce more precise result for [x] near zero.\n * Special cases:\n * - `ln1p(NaN)` is `NaN`\n * - `ln1p(x)` is `NaN` where `x < -1.0`\n * - `ln1p(-1.0)` is `-Inf`\n * - `ln1p(+Inf)` is `+Inf`\n * @see [ln] function\n * @see [expm1] function\n */\n@SinceKotlin("1.2")\npublic expect fun ln1p(x: Double): Double\n\n/**\n * Rounds the given value [x] to an integer towards positive infinity.\n * @return the smallest double value that is greater than or equal to the given value [x] and is a mathematical integer.\n * Special cases:\n * - `ceil(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.\n */\n@SinceKotlin("1.2")\npublic expect fun ceil(x: Double): Double\n\n/**\n * Rounds the given value [x] to an integer towards negative infinity.\n * @return the largest double value that is smaller than or equal to the given value [x] and is a mathematical integer.\n * Special cases:\n * - `floor(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.\n */\n@SinceKotlin("1.2")\npublic expect fun floor(x: Double): Double\n\n/**\n * Rounds the given value [x] to an integer towards zero.\n * @return the value [x] having its fractional part truncated.\n * Special cases:\n * - `truncate(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.\n */\n@SinceKotlin("1.2")\npublic expect fun truncate(x: Double): Double\n\n/**\n * Rounds the given value [x] towards the closest integer with ties rounded towards even integer.\n * Special cases:\n * - `round(x)` is `x` where `x` is `NaN` or `+Inf` or `-Inf` or already a mathematical integer.\n */\n@SinceKotlin("1.2")\npublic expect fun round(x: Double): Double\n\n/**\n * Returns the absolute value of the given value [x].\n * Special cases:\n * - `abs(NaN)` is `NaN`\n * @see absoluteValue extension property for [Double]\n */\n@SinceKotlin("1.2")\npublic expect fun abs(x: Double): Double\n\n/**\n * Returns the sign of the given value [x]:\n * - `-1.0` if the value is negative,\n * - zero if the value is zero,\n * - `1.0` if the value is positive\n * Special case:\n * - `sign(NaN)` is `NaN`\n */\n@SinceKotlin("1.2")\npublic expect fun sign(x: Double): Double\n\n/**\n * Returns the smaller of two values.\n * If either value is `NaN`, then the result is `NaN`.\n */\n@SinceKotlin("1.2")\npublic expect fun min(a: Double, b: Double): Double\n\n/**\n * Returns the greater of two values.\n * If either value is `NaN`, then the result is `NaN`.\n */\n@SinceKotlin("1.2")\npublic expect fun max(a: Double, b: Double): Double\n\n\n/**\n * Raises this value to the power [x].\n * Special cases:\n * - `b.pow(0.0)` is `1.0`\n * - `b.pow(1.0) == b`\n * - `b.pow(NaN)` is `NaN`\n * - `NaN.pow(x)` is `NaN` for `x != 0.0`\n * - `b.pow(Inf)` is `NaN` for `abs(b) == 1.0`\n * - `b.pow(x)` is `NaN` for `b < 0` and `x` is finite and not an integer\n */\n@SinceKotlin("1.2")\npublic expect fun Double.pow(x: Double): Double\n\n/**\n * Raises this value to the integer power [n].\n * See the other overload of [pow] for details.\n */\n@SinceKotlin("1.2")\npublic expect fun Double.pow(n: Int): Double\n\n/**\n * Returns the absolute value of this value.\n * Special cases:\n * - `NaN.absoluteValue` is `NaN`\n * @see abs function\n */\n@SinceKotlin("1.2")\npublic expect val Double.absoluteValue: Double\n\n/**\n * Returns the sign of this value:\n * - `-1.0` if the value is negative,\n * - zero if the value is zero,\n * - `1.0` if the value is positive\n * Special case:\n * - `NaN.sign` is `NaN`\n */\n@SinceKotlin("1.2")\npublic expect val Double.sign: Double\n\n/**\n * Returns this value with the sign bit same as of the [sign] value.\n * If [sign] is `NaN` the sign of the result is undefined.\n */\n@SinceKotlin("1.2")\npublic expect fun Double.withSign(sign: Double): Double\n\n/**\n * Returns this value with the sign bit same as of the [sign] value.\n */\n@SinceKotlin("1.2")\npublic expect fun Double.withSign(sign: Int): Double\n\n/**\n * Returns the ulp (unit in the last place) of this value.\n * An ulp is a positive distance between this value and the next nearest [Double] value larger in magnitude.\n * Special Cases:\n * - `NaN.ulp` is `NaN`\n * - `x.ulp` is `+Inf` when `x` is `+Inf` or `-Inf`\n * - `0.0.ulp` is `Double.MIN_VALUE`\n */\n@SinceKotlin("1.2")\npublic expect val Double.ulp: Double\n\n/**\n * Returns the [Double] value nearest to`

this value in direction of positive infinity.
`Double.nextUp(): Double` Returns the [Double] value nearest to this value in direction of negative infinity.
`Double.nextDown(): Double` Returns the [Double] value nearest to this value in direction from this value towards the value [to].
Special cases:
`x.nextTowards(y)` is `NaN` if either `x` or `y` are `NaN`.
`x.nextTowards(x) == x`
`Double.nextTowards(to: Double): Double` Rounds this [Double] value to the nearest integer and converts the result to [Int].
Ties are rounded towards positive infinity.
Special cases:
`x.roundToInt() == Int.MAX_VALUE` when `x > Int.MAX_VALUE`
`x.roundToInt() == Int.MIN_VALUE` when `x < Int.MIN_VALUE`
@throws `IllegalArgumentException` when this value is `NaN`
`Double.roundToInt(): Int` Rounds this [Double] value to the nearest integer and converts the result to [Long].
Ties are rounded towards positive infinity.
Special cases:
`x.roundToLong() == Long.MAX_VALUE` when `x > Long.MAX_VALUE`
`x.roundToLong() == Long.MIN_VALUE` when `x < Long.MIN_VALUE`
@throws `IllegalArgumentException` when this value is `NaN`
`Double.roundToLong(): Long`
=====
Float Math
=====
`Float.sin(x: Float): Float` Computes the sine of the angle [x] given in radians.
Special cases:
`sin(NaN|+Inf|-Inf)` is `NaN`
`Float.cos(x: Float): Float` Computes the cosine of the angle [x] given in radians.
Special cases:
`cos(NaN|+Inf|-Inf)` is `NaN`
`Float.tan(x: Float): Float` Computes the tangent of the angle [x] given in radians.
Special cases:
`tan(NaN|+Inf|-Inf)` is `NaN`
`Float.asin(x: Float): Float` Computes the arc sine of the value [x]; the returned value is an angle in the range from `-PI/2` to `PI/2` radians.
Special cases:
`asin(x)` is `NaN`, when `abs(x) > 1` or `x` is `NaN`
`Float.acos(x: Float): Float` Computes the arc cosine of the value [x]; the returned value is an angle in the range from `0.0` to `PI` radians.
Special cases:
`acos(x)` is `NaN`, when `abs(x) > 1` or `x` is `NaN`
`Float.atan(x: Float): Float` Computes the arc tangent of the value [x]; the returned value is an angle in the range from `-PI/2` to `PI/2` radians.
Special cases:
`atan(NaN)` is `NaN`
`Float.atan2(y: Float, x: Float): Float` Returns the angle `theta` of the polar coordinates `(r, theta)` that correspond to the rectangular coordinates `(x, y)` by computing the arc tangent of the value `[y] / [x]`; the returned value is an angle in the range from `-PI` to `PI` radians.
Special cases:
`atan2(0.0, 0.0)` is `0.0`
`atan2(0.0, x)` is `0.0` for `x > 0` and `PI` for `x < 0`
`atan2(-0.0, x)` is `-0.0` for `x > 0` and `-PI` for `x < 0`
`atan2(y, +Inf)` is `0.0` for `0 < y < +Inf` and `-0.0` for `-Inf < y < 0`
`atan2(y, -Inf)` is `PI` for `0 < y < +Inf` and `-PI` for `-Inf < y < 0`
`atan2(y, 0.0)` is `PI/2` for `y > 0` and `-PI/2` for `y < 0`
`atan2(+Inf, x)` is `PI/2` for finite `x`
`atan2(-Inf, x)` is `-PI/2` for finite `x`
`atan2(NaN, x)` and `atan2(y, NaN)` is `NaN`
`Float.asinh(x: Float): Float` Computes the hyperbolic sine of the value [x].
Special cases:
`sinh(NaN)` is `NaN`
`sinh(+Inf)` is `+Inf`
`sinh(-Inf)` is `-Inf`
`Float.cosh(x: Float): Float` Computes the hyperbolic cosine of the value [x].
Special cases:
`cosh(NaN)` is `NaN`
`cosh(+Inf|-Inf)` is `+Inf`
`Float.tanh(x: Float): Float` Computes the hyperbolic tangent of the value [x].
Special cases:
`tanh(NaN)` is `NaN`
`tanh(+Inf)` is `1.0`
`tanh(-Inf)` is `-1.0`
`Float.asinh(x: Float): Float` Computes the inverse hyperbolic sine of the value [x].
The returned value is `y` such that `sinh(y) == x`.
Special cases:
`asinh(NaN)` is `NaN`
`asinh(+Inf)` is `+Inf`
`asinh(-Inf)` is `-Inf`
`Float.acosh(x: Float): Float` Computes the inverse hyperbolic cosine of the value [x].
The returned value is positive `y` such that `cosh(y) == x`.
Special cases:
`acosh(NaN)` is `NaN`
`acosh(x)` is `NaN` when `x < 1`
`acosh(+Inf)` is `+Inf`
`Float.acosh(x: Float): Float` Computes the inverse hyperbolic

tangent of the value [x].
`* The returned value is `y` such that $\tanh(y) == x$.`
`* Special cases:`
`- $\tanh(\text{NaN})$ is NaN`
`- $\tanh(x)$ is NaN when $x > 1$ or $x < -1$`
`- $\tanh(1.0)$ is $+\text{Inf}$`
`- $\tanh(-1.0)$ is $-\text{Inf}$`
`@SinceKotlin("1.2")\npublic expect fun atanh(x: Float): Float\n/**\n * Computes $\sqrt{x^2 + y^2}$ without intermediate overflow or underflow.\n * Special cases:\n * - returns $+\text{Inf}$ if any of arguments is infinite\n * - returns NaN if any of arguments is NaN and the other is not infinite\n */\n@SinceKotlin("1.2")\npublic expect fun hypot(x: Float, y: Float): Float\n/**\n * Computes the positive square root of the value [x].\n * Special cases:\n * - \sqrt{x} is NaN when $x < 0$ or x is NaN \n */\n@SinceKotlin("1.2")\npublic expect fun sqrt(x: Float): Float\n/**\n * Computes Euler's number `e` raised to the power of the value [x].\n * Special cases:\n * - $\exp(\text{NaN})$ is NaN \n * - $\exp(+\text{Inf})$ is $+\text{Inf}$ \n * - $\exp(-\text{Inf})$ is 0.0 \n */\n@SinceKotlin("1.2")\npublic expect fun exp(x: Float): Float\n/**\n * Computes $\exp(x) - 1$.
* This function can be implemented to produce more precise result for [x] near zero.
* Special cases:
- $\expm1(\text{NaN})$ is NaN
- $\expm1(+\text{Inf})$ is $+\text{Inf}$
- $\expm1(-\text{Inf})$ is -1.0
@see [exp] function.
@SinceKotlin("1.2")\npublic expect fun expm1(x: Float): Float\n/**\n * Computes the logarithm of the value [x] to the given [base].
* Special cases:
- $\log(x, b)$ is NaN if either x or b are NaN
- $\log(x, b)$ is NaN when $x < 0$ or $b \leq 0$ or $b == 1.0$
- $\log(+\text{Inf}, +\text{Inf})$ is NaN
- $\log(+\text{Inf}, b)$ is $+\text{Inf}$ for $b > 1$ and $-\text{Inf}$ for $b < 1$
- $\log(0.0, b)$ is $-\text{Inf}$ for $b > 1$ and $+\text{Inf}$ for $b > 1$ \n */\n * See also logarithm functions for common fixed bases: [ln], [log10] and [log2].\n */\n@SinceKotlin("1.2")\npublic expect fun log(x: Float, base: Float): Float\n/**\n * Computes the natural logarithm (base `E`) of the value [x].
* Special cases:
- $\ln(\text{NaN})$ is NaN
- $\ln(x)$ is NaN when $x < 0.0$
- $\ln(+\text{Inf})$ is $+\text{Inf}$
- $\ln(0.0)$ is $-\text{Inf}$
@SinceKotlin("1.2")\npublic expect fun ln(x: Float): Float\n/**\n * Computes the common logarithm (base 10) of the value [x].
* @see [ln] function for special cases.
@SinceKotlin("1.2")\npublic expect fun log10(x: Float): Float\n/**\n * Computes the binary logarithm (base 2) of the value [x].
* @see [ln] function for special cases.
@SinceKotlin("1.2")\npublic expect fun log2(x: Float): Float\n/**\n * Computes $\ln(a + 1)$.
* This function can be implemented to produce more precise result for [x] near zero.
* Special cases:
- $\ln1p(\text{NaN})$ is NaN
- $\ln1p(x)$ is NaN where $x < -1.0$
- $\ln1p(-1.0)$ is $-\text{Inf}$
- $\ln1p(+\text{Inf})$ is $+\text{Inf}$ \n */\n * @see [ln] function\n * @see [expm1] function\n */\n@SinceKotlin("1.2")\npublic expect fun ln1p(x: Float): Float\n/**\n * Rounds the given value [x] to an integer towards positive infinity.
* @return the smallest Float value that is greater than or equal to the given value [x] and is a mathematical integer.
* Special cases:
- $\text{ceil}(x)$ is x where x is NaN or $+\text{Inf}$ or $-\text{Inf}$ or already a mathematical integer.\n */\n@SinceKotlin("1.2")\npublic expect fun ceil(x: Float): Float\n/**\n * Rounds the given value [x] to an integer towards negative infinity.
* @return the largest Float value that is smaller than or equal to the given value [x] and is a mathematical integer.
* Special cases:
- $\text{floor}(x)$ is x where x is NaN or $+\text{Inf}$ or $-\text{Inf}$ or already a mathematical integer.\n */\n@SinceKotlin("1.2")\npublic expect fun floor(x: Float): Float\n/**\n * Rounds the given value [x] to an integer towards zero.
* @return the value [x] having its fractional part truncated.
* Special cases:
- $\text{truncate}(x)$ is x where x is NaN or $+\text{Inf}$ or $-\text{Inf}$ or already a mathematical integer.\n */\n@SinceKotlin("1.2")\npublic expect fun truncate(x: Float): Float\n/**\n * Rounds the given value [x] towards the closest integer with ties rounded towards even integer.
* Special cases:
- $\text{round}(x)$ is x where x is NaN or $+\text{Inf}$ or $-\text{Inf}$ or already a mathematical integer.\n */\n@SinceKotlin("1.2")\npublic expect fun round(x: Float): Float\n/**\n * Returns the absolute value of the given value [x].
* Special cases:
- $\text{abs}(\text{NaN})$ is NaN \n */\n * @see absoluteValue extension property for [Float]\n */\n@SinceKotlin("1.2")\npublic expect fun abs(x: Float): Float\n/**\n * Returns the sign of the given value [x]:
- -1.0 if the value is negative,
- zero if the value is zero,
- 1.0 if the value is positive\n */\n * Special case:
- $\text{sign}(\text{NaN})$ is NaN \n */\n@SinceKotlin("1.2")\npublic expect fun sign(x: Float): Float\n/**\n * Returns the smaller of two values.
* If either value is NaN , then the result is NaN .
@SinceKotlin("1.2")\npublic expect fun min(a: Float, b: Float): Float\n/**\n * Returns the greater of two values.
* If either value is NaN , then the result is NaN .
@SinceKotlin("1.2")\npublic expect fun max(a: Float, b: Float): Float\n/**\n * extensions\n */\n/**\n * Raises this value to the power [x].
* Special`

cases: `b.pow(0.0)` is `1.0` `b.pow(1.0) == b` `b.pow(NaN)` is `NaN` `NaN.pow(x)` is `NaN` for `x != 0.0` `b.pow(Inf)` is `NaN` for `abs(b) == 1.0` `b.pow(x)` is `NaN` for `b < 0` and `x` is finite and not an integer

`SinceKotlin("1.2")` public expect fun `Float.pow(x: Float): Float` Raises this value to the integer power [n]. See the other overload of [pow] for details.

`SinceKotlin("1.2")` public expect fun `Float.pow(n: Int): Float` Returns the absolute value of this value. Special cases: `NaN.absoluteValue` is `NaN` @see abs function

`SinceKotlin("1.2")` public expect val `Float.absoluteValue: Float` Returns the sign of this value: `-1.0` if the value is negative, `0` if the value is zero, `1.0` if the value is positive. Special case: `NaN.sign` is `NaN`

`SinceKotlin("1.2")` public expect val `Float.sign: Float` Returns this value with the sign bit same as of the [sign] value. If [sign] is `NaN` the sign of the result is undefined.

`SinceKotlin("1.2")` public expect fun `Float.withSign(sign: Float): Float` Returns this value with the sign bit same as of the [sign] value.

`SinceKotlin("1.2")` public expect fun `Float.withSign(sign: Int): Float` Rounds this [Float] value to the nearest integer and converts the result to [Int]. Ties are rounded towards positive infinity. Special cases: `x.roundToInt() == Int.MAX_VALUE` when `x > Int.MAX_VALUE` `x.roundToInt() == Int.MIN_VALUE` when `x < Int.MIN_VALUE` @throws `IllegalArgumentException` when this value is `NaN`

`SinceKotlin("1.2")` public expect fun `Float.roundToInt(): Int` Rounds this [Float] value to the nearest integer and converts the result to [Long]. Ties are rounded towards positive infinity. Special cases: `x.roundToLong() == Long.MAX_VALUE` when `x > Long.MAX_VALUE` `x.roundToLong() == Long.MIN_VALUE` when `x < Long.MIN_VALUE` @throws `IllegalArgumentException` when this value is `NaN`

`SinceKotlin("1.2")` public expect fun `Float.roundToLong(): Long` endregion region
===== Integer Math ===== Returns the absolute value of the given value [n]. Special cases: `abs(Int.MIN_VALUE)` is `Int.MIN_VALUE` due to an overflow @see absoluteValue extension property for [Int]

`SinceKotlin("1.2")` public expect fun `abs(n: Int): Int` Returns the smaller of two values.

`SinceKotlin("1.2")` public expect fun `min(a: Int, b: Int): Int` Returns the greater of two values.

`SinceKotlin("1.2")` public expect fun `max(a: Int, b: Int): Int` Returns the absolute value of this value. Special cases: `Int.MIN_VALUE.absoluteValue` is `Int.MIN_VALUE` due to an overflow @see abs function

`SinceKotlin("1.2")` public expect val `Int.absoluteValue: Int` Returns the sign of this value: `-1` if the value is negative, `0` if the value is zero, `1` if the value is positive

`SinceKotlin("1.2")` public expect val `Int.sign: Int` Returns the absolute value of the given value [n]. Special cases: `abs(Long.MIN_VALUE)` is `Long.MIN_VALUE` due to an overflow @see absoluteValue extension property for [Long]

`SinceKotlin("1.2")` public expect fun `abs(n: Long): Long` Returns the smaller of two values.

`SinceKotlin("1.2")` public expect fun `min(a: Long, b: Long): Long` Returns the greater of two values.

`SinceKotlin("1.2")` public expect fun `max(a: Long, b: Long): Long` Returns the absolute value of this value. Special cases: `Long.MIN_VALUE.absoluteValue` is `Long.MIN_VALUE` due to an overflow @see abs function

`SinceKotlin("1.2")` public expect val `Long.absoluteValue: Long` Returns the sign of this value: `-1` if the value is negative, `0` if the value is zero, `1` if the value is positive

`SinceKotlin("1.2")` public expect val `Long.sign: Int` endregion

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MACnB, WAAW, iBA Ae, CA Af, C; MACX, iBA Ac, OAAO, CAAP, IAA d, UAA6B, IAA7B, U; QACI, IAAK, WAAI, UA
AK, KAAL, CA AJ, C; MACT, OAAO, I; K; IAGX, kC; Ma3wII, IAAI, EbmxII, KAAK, CanxIT, CA AJ, C; QACI, cbkxIc, sD
; QajxId, MAAM, gCA AyB, OAAQ, WAAjC, C;; MbKxIV, IAAI, MAAK, CAAT, C; QAAY, OAAO, W; MACnB, WAAW
, gB; MACX, IAAI, KAAK, IAAT, C; QAAe, OAAO, mB; MACtB, IAAI, MAAK, CAAT, C; QAAY, OAAO, OAAO, UAA
K, OAAO, CAAP, IAAL, CAAP, C; MACnB, WAAW, iBA AgB, CA AhB, C; MACX, iBA Ac, OAAO, CAAP, IAA d, UAA6
B, IAA7B, U; QACI, IAAK, WAAI, UAAK, KAAL, CA AJ, C; MACT, OAAO, I; K; IAGX, kC; Ma9xII, IAAI, EbsyII, KAA
K, CatyIT, CA AJ, C; QACI, cbqyIc, sD; QapyId, MAAM, gCA AyB, OAAQ, WAAjC, C;; MbqyIV, IAAI, MAAK, CAAT, C;
QAAY, OAAO, W; MACnB, WAAW, gB; MACX, IAAI, KAAK, IAAT, C; QAAe, OAAO, mB; MACtB, IAAI, MAAK, CA
AT, C; QAAY, OAAO, OAAO, UAAK, OAAO, CAAP, IAAL, CAAP, C; MACnB, WAAW, iBA AiB, CA AjB, C; MACX, i
BA Ac, OAAO, CAAP, IAA d, UAA6B, IAA7B, U; QACI, IAAK, WAAI, UAAK, KAAL, CA AJ, C; MACT, OAAO, I; K; IA
GX, kC; MajzII, IAAI, EbyzII, KAAK, CazzIT, CA AJ, C; QACI, cbwzIc, sD; QavzId, MAAM, gCA AyB, OAAQ, WAAjC, C
;; MbwzIV, IAAI, MAAK, CAAT, C; QAAY, OAAO, W; MACnB, WAAW, gB; MACX, IAAI, KAAK, IAAT, C; QAAe, O
AAO, mB; MACtB, IAAI, MAAK, CAAT, C; QAAY, OAAO, OAAO, UAAK, OAAO, CAAP, IAAL, CAAP, C; MACnB,
WAAW, iBA AkB, CA AlB, C; MACX, iBA Ac, OAAO, CAAP, IAA d, UAA6B, IAA7B, U; QACI, IAAK, WAAI, UAAK, K
AAL, CA AJ, C; MACT, OAAO, I; K; IAGX, kC; Map0II, IAAI, Eb40II, KAAK, Ca50IT, CA AJ, C; QACI, cb20Ic, sD; Qa10I
d, MAAM, gCA AyB, OAAQ, WAAjC, C;; Mb20IV, IAAI, MAAK, CAAT, C; QAAY, OAAO, W; MACnB, WAAW, gB; M
ACX, IAAI, KAAK, IAAT, C; QAAe, OAAO, mB; MACtB, IAAI, MAAK, CAAT, C; QAAY, OAAO, OAAO, UAAK, OA
AO, CAAP, IAAL, CAAP, C; MACnB, WAAW, iBA AmB, CA AnB, C; MACX, iBA Ac, OAAO, CAAP, IAA d, UAA6B, IA
A7B, U; QACI, IAAK, WAAI, UAAK, KAAL, CA AJ, C; MACT, OAAO, I; K; IAGX, kC; Mav1II, IAAI, Eb+1II, KAAK, Ca/
IIT, CA AJ, C; QACI, cb81Ic, sD; Qa71Id, MAAM, gCA AyB, OAAQ, WAAjC, C;; Mb81IV, IAAI, MAAK, CAAT, C; QAA
Y, OAAO, W; MACnB, WAAW, gB; MACX, IAAI, KAAK, IAAT, C; QAAe, OAAO, mB; MACtB, IAAI, MAAK, CAAT,
C; QAAY, OAAO, OAAO, sBA AK, OAAO, CAAP, IAAL, EAAP, C; MACnB, WAAW, iBA AgB, CA AhB, C; MACX, iB
AAc, OAAO, CAAP, IAA d, UAA6B, IAA7B, U; QACI, IAAK, WAAI, sBA AK, KAAL, EA AJ, C; MACT, OAAO, I; K; gG
AGX, yB; MAAA, 8D; MAAA, 4C; MAAA, gD; MAAA, uC; QAMI, iBA Ac, wBA Ad, WAA+B, CA A/B, U; UACI, IAAI, C
AAC, UAAU, UAAK, KAAL, CA AV, CAAL, C; YACI, OAAO, gBA AK, QAAQ, CAAR, IAAL, C;;; QAGf, OAAO, iB; O;
KAXX, C; kGAcA, yB; MAAA, 8D; MAAA, 2C; MAAA, gD; MAAA, uC; QAMI, iBA Ac, wBA Ad, WAA+B, CA A/B, U; U
ACI, IAAI, CAAC, UAAU, UAAK, KAAL, CA AV, CAAL, C; YACI, OAAO, gBA AK, QAAQ, CAAR, IAAL, C;;; QAGf,
OAAO, iB; O; KAXX, C; kGAcA, yB; MAAA, 8D; MAAA, 4C; MAAA, gD; MAAA, uC; QAMI, iBA Ac, wBA Ad, WAA+B
, CA A/B, U; UACI, IAAI, CAAC, UAAU, UAAK, KAAL, CA AV, CAAL, C; YACI, OAAO, gBA AK, QAAQ, CAAR, IAA
L, C;;; QAGf, OAAO, iB; O; KAXX, C; kGAcA, yB; MAAA, 8D; MAAA, 4C; MAAA, gD; MAAA, uC; QAMI, iBA Ac, wBA
Ad, WAA+B, CA A/B, U; UACI, IAAI, CAAC, UAAU, UAAK, KAAL, CA AV, CAAL, C; YACI, OAAO, gBA AK, QAAQ,
CAAR, IAAL, C;;; QAGf, OAAO, iB; O; KAXX, C; kGAcA, yB; MAAA, 8D; MAAA, 4C; MAAA, gD; MAAA, uC; QAMI, i
BA Ac, wBA Ad, WAA+B, CA A/B, U; UACI, IAAI, CAAC, UAAU, UAAK, KAAL, CA AV, CAAL, C; YACI, OAAO, gBA
AK, QAAQ, CAAR, IAAL, C;;; QAGf, OAAO, iB; O; KAXX, C; kGAcA, yB; MAAA, 8D; MAAA, 4C; MAAA, gD; MAAA,
uC; QAMI, iBA Ac, wBA Ad, WAA+B, CA A/B, U; UACI, IAAI, CAAC, UAAU, UAAK, KAAL, CA AV, CAAL, C; YACI,
OAAO, gBA AK, QAAQ, CAAR, IAAL, C;;; QAGf, OAAO, iB; O; KAXX, C; kGAcA, yB; MAAA, 8D; MAAA, 4C; MAAA
, gD; MAAA, uC; QAMI, iBA Ac, wBA Ad, WAA+B, CA A/B, U; UACI, IAAI, CAAC, UAAU, UAAK, KAAL, CA AV, CA
AL, C; YACI, OAAO, gBA AK, QAAQ, CAAR, IAAL, C;;; QAGf, OAAO, iB; O; KAXX, C; kGAcA, yB; MAAA, 8D; MAA
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L, CA AV, CAAL, C; YACI, OAAO, gBA AK, QAAQ, CAAR, IAAL, C;;; QAGf, OAAO, iB; O; KAXX, C; kGAcA, yB; MA
AA, 8D; MAAA, oC; MAAA, 4C; MAAA, gD; MAAA, uC; QAMI, iBA Ac, wBA Ad, WAA+B, CA A/B, U; UACI, IAAI, CA
AC, UAAU, sBA AK, KAAL, EA AV, CAAL, C; YACI, OAAO, gBA AK, QAAQ, CAAR, IAAL, C;;; QAGf, OAAO, iB; O; K
AXX, C; wFAeA, yB; MAAA, +D; MAAA, uC; QAOiB, Q; QADb, WAAW, gB; QACX, wBA Aa, SAAb, gB; UAAa, WAA
A, SAAb, M; UACI, IAAI, CAAC, UAAU, IAAV, CAAL, C; YACI, K; UACJ, IAAK, WAAI, IAAJ, C;;; QAET, OAAO, I; O;
KAZX, C; 0FAeA, yB; MAAA, +D; MAAA, uC; QAOiB, Q; QADb, WAAW, gB; QACX, wBA Aa, SAAb, gB; UAAa, WAA
A, SAAb, M; UACI, IAAI, CAAC, UAAU, IAAV, CAAL, C; YACI, K; UACJ, IAAK, WAAI, IAAJ, C;;; QAET, OAAO, I; O;
KAZX, C; 0FAeA, yB; MAAA, +D; MAAA, uC; QAOiB, Q; QADb, WAAW, gB; QACX, wBA Aa, SAAb, gB; UAAa, WAA
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;K;IAIR,8B;MAII,eAAe,CAAC,mBAAO,CAAP,IAAD,IAAa,CAAb,I;MACf,IAAI,WAAW,CAAf,C;QAaKB,M;M
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,mBAAmB,0B;MACnB,iBAAc,CAAd,WAAiB,QAAjB,U;QACI,UAAU,UAAK,KAAL,C;QACV,UAAK,KAAL,I
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AvJ7D,IAAI,QAAQ,CAAZ,C;QACI,OAAO,aAAa,KAAb,C;MACX,eAAe,oB;MACf,YAAY,C;MACZ,OAAO,QA
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hB,C;UAAgB,yB;UACZ,IAAI,KA AK,SAAT,C;YAAoB,K;UACpB,IAAK,WAAI,UAAU,OA AV,EAAMb,MAAM
,UAAN,EAAM,kBAAN,SAAnB,CAAJ,C;QAET,OAAO,I;O;KafX,C;IAkBA,kC;MAkBI,YAAy,oB;MACZ,aAZ
W,KAYQ,W;MACnB,WAAW,iBDxhEJ,MAAK,KCwhEkB,mCAAwB,EAAxB,CDxhEiB,ECwhEqD,wBAbtD,KA
asD,EAAwB,EAAxB,CDxhErD,CCwhED,C;MACX,OAAO,KAAM,UAAN,IAAMb,MAAO,UAAjC,C;QACI,IAA
K,WafqB,GAEP,KAAM,OfC,EAeO,MAAO,Ofd,CAerB,C;MAfT,OAIBo,I;K;+EAdX,yB;MAAA,kF;MAAA,
gE;MDrhEA,iB;MCqhEA,8C;QAQI,YAAy,oB;QACZ,aAAa,KAAM,W;QACnB,WAAW,eDxhEJ,MAAK,KCwhE
kB,mCAAwB,EAAxB,CDxhEiB,ECwhEqD,wBAAN,KAAM,EAAwB,EAAxB,CDxhErD,CCwhED,C;QACX,OA
AO,KAAM,UAAN,IAAMb,MAAO,UAAjC,C;UACI,IAAK,WAAI,UAAU,KAAM,OA AhB,EAAwB,MAAO,OA
A/B,CAAJ,C;QAET,OAAO,I;O;KAdX,C;IAiBA,gC;MASW,sB;QAAP,eAAe,oB;QACf,IAAI,CAAC,QAAS,UAA
d,C;UAAyB,qBAAO,W;UAAP,uB;QACzB,abvpEoD,gB;QawpEpD,cAAc,QAAS,O;QACvB,OAAO,QAAS,UAA
hB,C;UACI,WAAW,QAAS,O;UACpB,MAAO,WAnBkB,GAmBJ,OAnBI,EAmBK,IAnBL,CAMBiB,C;UACP,UA
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P,UAAU,I;QAE d,OAAO,M;O;KAnBX,C;IASBA,8F;MAQ6D,yB;QAAA,YAA0B,I;MAAM,sB;QAAA,SAAuB,E;
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,I;MAGtN,Q;MAFhB,MAAO,gBAAO,MAAP,C;MACP,YAAy,C;MACI,2B;MAAhB,OAAGb,cAAhB,C;QAAGb,

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AQ,KAA1B,C;QAAiC,MAAO,gBAAO,SAAP,C;MACxC,MAAO,gBAAO,OAAP,C;MACP,OAAO,M;K;IAGX,4
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B;MAKI,OAAO,S;K;IASS,8C;MAAA,mB;QAAE,OAAA,eAAK,W;O;K;IAN3B,iC;MAMI,oCAAgB,8BAAhB,C;
K;IAGJ,+B;MAOoB,Q;MAFhB,UAAkB,G;MACIB,YAAiB,C;MACD,2B;MAAhB,OAAGB,cAAhB,C;QAAGB,yB
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B,yB;QACZ,OAAO,O;QACP,oBAAMB,qBAAnB,EAAMB,KAAAnB,E;;MAEJ,OAAW,UAAS,CAAb,GAAgB,wC
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C,2B;MAAhB,OAAGB,cAAhB,C;QAAGB,yB;QACZ,YAAO,O;;MAEX,OAAO,G;K;IAGX,2B;MAMoB,Q;MADh
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V,WAAW,C;;;QAED,QAAT,QAAS,W;QACIB,eAAO,O;;MI5+CP,mB;K;sFAGJ,yB;MAAA,kD;MAAA,wC;QA
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A,OAA0B,E;MAA1B,gB;K;;IAE/B,wB;K;;IAIA,wB;K;;IAIA,wB;K;;IAKiC,uB;MAAC,oB;QAAA,OAA0B,E;MA
A1B,gB;K;;IAEIC,kB;K;;IAqCqC,sB;MAAC,gB;K;;IAGCN,4B;MAAC,sB;K;;IAEjC,uB;K;;IA8DmC,4B;MAAC,k
B;K;;IAEpC,gC;K;;IAaA,oB;K;;ICrKA,oB;K;;IAIA,wB;K;;oFIDLA,qB;MAEqE,uCmCAtB,E;K;iGnCE/C,yB;MA
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,W;MAC1B,OAAO,QAAS,UAAhB,C;QACU,KAA Y,MAAK,QAAS,OAA d,C;MACTB,OAAO,K;K;IAGX,8C;MA
Qc,Q;MANV,IAAI,KAAM,OAA N,GAAa,UAAW,KAA5B,C;QACI,OAAO,gBAAGB,UAAhB,C;;MAEX,eAAe,U
AAW,W;MAC1B,YAA Y,C;MACZ,OAAO,QAAS,UAAhB,C;QACI,MAAM,YAAN,EAAM,oBAAN,UAAiB,QA
AS,O;;MAE9B,IAAI,QAAQ,KAAM,OAAIB,C;QACI,MAAM,KAA N,IAAe,I;;MAEnB,OAAO,K;K;IAGX,yB;M
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D,mC;MAOqB,Q;MAAA,kC;MAAjB,iBAAc,CAAd,yB;QACI,sBAAK,KAA L,EAAc,KAA d,C;;K;IAIR,4B;MAM
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YAA Y,oBAAoB,KAApB,IAAZ,IAAYC,OAAO,aAAa,KAAb,IAAP,C;;;UAG7C,mBAAc,YAA Y,CAAZ,IAAd,aA
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S;K;;;kFqEnEX,uB;MAKI,OAAO,O;K;ICdX,sB;K;mCACI,Y;MACI,mBAAM,IAAN,C;K;2CAGJ,mB;MACI,mB
AAM,OAAN,C;MACA,c;K;iCAKJ,Y;K;;IAKuB,oC;MAA8B,qB;MAA7B,gC;K;2CACxB,mB;MAEI,oBA+DyC,O
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,OAAJ,C;K;mDAGZ,mB;MACI,OAAQ,KAAI,OAAJ,C;K;2CAGZ,Y;MACI,OAAQ,KAAI,EAJ,C;K;;IAIhB,0B;
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K;;IAIjB,sC;MAE4C,yB;K;yDACxC,mB;MACI,QAwbYc,OAxB1B,OAwb0B,C;MAvBzC,QAau,eAAF,CAAE,
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Q0DhIpF,Y;QACA,IAAI,C1D4HiE,W0D5HrD,IAAI,CAAJ,I1D4HqD,C;;M0D1HzE,4BAAU,C;K;iDAGd,Y;MAC
I,OAAQ,KAAI,WAAJ,C;MACR,cAAS,E;K;;IAWjB,yB;MACiD,cAAa,KAAb,C;K;IAEjD,mB;MAEI,MAAO,U;
K;IAGX,4B;MAEI,MAAO,iBAAQ,OAAR,C;K;IAGX,wB;MAEI,MAAO,eAAM,OAAN,C;K;IC3FX,mD;MACI,0
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K;ICpCzC,iC;MACI,gBAAH,IAAI,OAAO,EAAG,GAAE,IAAI,IAAI,CAAC,CAAD,EAAI,EAAJ,CAAD,GAAyB,
CAAhC,C;K;;;IAKJ,sC;MACI,cAAO,QAAP,GAakB,QAAQ,Q;K;8ErFT9B,yB;MAAA,6C;MAAA,kC;QAGI,OA
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IC,Y;M9FI4B,MAAM,yB;K;qE8FFIC,Y;M9FE4B,MAAM,yB;K;gE8FAIC,Y;M9FA4B,MAAM,yB;K;iE8FEIC,Y;
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W;K;6FAQtC,qB;MAAQ,OAAy,W;K;6FAEpB,qB;MAAQ,OAAy,W;K;uFAEvB,qB;MAAQ,OAAS,Q;K;qFAEn
B,qB;MAAQ,OAAO,M;K;uFAQX,qB;MAAQ,OAAS,Q;K;yFAEjB,qB;MAAQ,OAAS,Q;K;qGAEX,qB;MAAQ,O
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B,C;MAAG,qB;QAAA,QAAiB,C;MAAG,uB;QAAA,UAAoB,K;MAAO,0B;QAAA,aAAuB,K;MAAO,wB;QAAA
,WAAqB,K;MAC3L,QAAQ,E;MACR,EAAE,kBAAF,IAAwB,gB;MACxB,EAAE,QAAF,IAAc,M;MACd,EAAE,
OAAF,IAAa,K;MACb,EAAE,SAAF,IAAe,O;MACf,EAAE,YAAF,IAAkB,U;MACIB,EAAE,UAAF,IAAgB,Q;MA
ChB,OAAO,C;K;mFAS8E,qB;MAAQ,OAAG,E;K;+FAEL,qB;MAAQ,OAac,a;K;iFAE7B,qB;MAAQ,OAAO,M;
K;yFAEX,qB;MAAQ,OAAW,U;K;+EAEvB,qB;MAAQ,OAAO,M;K;+EAEf,qB;MAAQ,OAAO,M;K;ICvHnE,6B;
MAAC,qB;QAAA,8C;MAAA,kB;K;IACjC,2C;MAAA,e;MAAA,iB;MAAA,uB;K;IAAA,yC;MAAA,4C;O;MAKI,
0E;MAEA,sE;K;;IAFA,kD;MAAA,+B;MAAA,0C;K;;IAEA,gD;MAAA,+B;MAAA,wC;K;;IAPJ,qC;MAAA,yF;K;
;IAAA,0C;MAAA,a;AAAA,S;UAAA,+C;AAAA,O;UAAA,6C;gBAAA,8D;;K;;IAwBmC,sC;MACnC,8B;K;;IAMq
C,sC;MACrC,8B;K;;ICzDJ,iC;K;;ICMA,4B;K;;ICCA,qC;K;;IA0BA,+B;K;;ICvBgD,8B;K;kDAI5C,mB;MAA6D,c;
;Q9Hy8C7C,Q;QADhB,IAAI,mCAAsB,cAA1B,C;UAAqC,aAAO,K;UAAP,e;;QACrB,sB;QAAbB,OAAGB,cAAh
B,C;UAAgB,2B;UAAM,I8Hz8C6C,O9Hy8C/B,S8Hz8C+B,U9Hy8C7C,C;YAAwB,aAAO,I;YAAP,e;;QAC9C,aA
AO,K;;M8H18CsD,iB;K;uDAE7D,oB;MACa,c;;Q9Hi7CG,Q;QADhB,IAAI,c8Hh7CA,Q9Hg7CA,iB8Hh7CA,Q9
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B,yB;UAAM,IAAI,C8Hj7CP,oB9Hi7CkB,O8Hj7CIB,C9Hi7CG,C;YAAyB,aAAO,K;YAAP,e;;QAC/C,aAAO,I;;
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A6B,wCAA7B,C;K;2CAIIC,Y;MAI4C,uBAAGB,IAAhB,C;K;mDAE5C,iB;MAI4D,yBAAGB,IAAhB,EAASB,KA
AtB,C;K;;IC/BhE,8B;MAAA,e;MAAA,iB;MAAA,uB;K;IAAA,4B;MAAA,+B;O;MACI,4C;MACA,kD;MACA,0C
;MACA,8C;K;;IAHA,mC;MAAA,kB;MAAA,2B;K;;IACA,sC;MAAA,kB;MAAA,8B;K;;IACA,kC;MAAA,kB;M
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aAAA,U;UAAA,mC;aAAA,M;UAAA,+B;aAAA,Q;UAAA,iC;gBAAA,6D;;K;;IAOA,4B;MAKI,mD;MACA,2BA
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CQ,wC;UAHL,K;;MAAP,W;K;sCAOJ,Y;MAIW,Q;MAHP,IAAI,CAAC,cAAL,C;QAAgB,MAAM,6B;MACtB,m
D;MAEA,OAAO,2F;K;4DAGX,Y;MACI,iD;MACA,kB;MACA,OAAO,kD;K;+CAeX,iB;MAII,2BAAy,K;MACZ
,gD;K;sCAGJ,Y;MAII,+C;K;;ICIdkC,wB;MAoFiC,oC;MApFgE,6B;K;sCAIhE,Y;MAAuC,0C;K;2CAEvC,mB;M
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A4D,sB;;QhI4S5D,eAAoB,0BAAa,SAAb,C;QACpB,OAAO,QAAS,cAAhB,C;UACI,IgI9SsE,OhI8SxD,QAAS,Wg
I9S+C,UhI8StE,C;YACI,qBAAO,QAAS,Y;YAAhB,uB;;QAGR,qBAAO,E;;MgIITqD,yB;K;0CAE5D,Y;MAA+C
,+CAAiB,CAAjB,C;K;kDAE/C,iB;MAAyD,+CAAiB,KAAjB,C;K;6CAEzD,8B;MAA8D,gCAAQ,IAAR,EAAC,SA
Ad,EAAYB,OAazB,C;K;IAEIC,wD;MAAGf,uB;MAA/E,kB;MAAmC,4B;MAC5D,eAAYB,C;MAGrB,+DAAkB,g
BAAIB,EA6B,OAA7B,EAAsC,WAAK,KAA3C,C;MACA,eAAa,UAAU,gBAAV,I;K;iDAGjB,iB;MACI,+DAAk

B,KAAIB,EAAyB,YAAzB,C;MAEA,OAAO,wBAAK,mBAAy,KAAZ,IAAL,C;K;wEAGY,Y;MAAQ,mB;K;;oCA
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M,6B;MACX,iE;MAAX,OAAO,+B;K;;IAO0B,sD;MAHzC,oB;MAGwD,iD;MAGhD,gEAAmB,KAAAnB,EAA0B,
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AI,YAAy,OAAhB,C;QACI,MAAM,gCAAyB,gBAAa,SAAb,oBAAmC,OAA5D,C;;K;kEAIId,sC;MACI,IAAI,aAA
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,C;UAAqC,aAAO,K;UAAP,e;;QACrB,2B;QAAhB,OAAgB,cAAhB,C;UAAgB,yB;UAAM,IiIj8CwD,OjIi8C1C,OiI
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AA,W;Q7IyKqB,U;Q6IzKD,U7IyKoB,CAAnB,uDAAmB,oB6IzKP,G7IyKO,C;;M6IzK5C,W;QACI,OAAO,K;;M
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AO,K;MACHC,IAAI,cAAQ,KAAM,KAAIB,C;QAAwB,OAAO,K;MAEV,gBAAd,KAAM,Q;MAAQ,c;;QjI44CT,
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B,yB;UAAM,IAAI,CiI54CK,2BjI44CM,OiI54CN,CjI44CT,C;YAAyB,aAAO,K;YAAP,e;;QAC/C,aAAO,I;;MiI74
CH,iB;K;sCAGJ,e;MAAwC,Q;MAAA,4CAAc,GAAd,8B;K;qCAGxC,Y;MAK+B,OAAQ,SAAR,YAAQ,C;K;oCA
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b,mB;MAAsD,+CAAY,OAAZ,C;K;IAI3C,sG;MAAA,kD;K;8FACH,Y;MAAkC,OAAA,0BAAc,U;K;2FACHD,Y;
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OAAA,qBAAiB,K;K;;+DAb5D,Y;MACI,IAAI,4BAAJ,C;QACI,+E;;MACJ,OAAO,mC;K;IAOWD,uD;MAAA,qB;
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G+C,yB;K;IAEtD,iC;MAAA,qC;K;4DAEI,a;MAAiE,gC;MAAX,OAAU,CAAC,kBAAN,CAAM,0DAAmB,CAAp
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AY,MAAP,C;K;0DACnE,oB;MACI,IAAI,gCAAJ,C;QAA+B,OAAO,K;MACtC,OAAO,OAAA,CAAe,IAAF,EAA
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J,C;QACW,QAAM,cAAN,C;eACH,C;YAAK,iB;YAAL,K;eACA,C;YAAK,aAAU,8BAAJ,GAakB,sBAAK,CAA
L,CAAIb,GAA+B,oBAAW,OAahD,C;YAAL,K;kBACQ,0BAAM,qBAAoB,YAAY,cAAZ,CAApB,CAAN,C;YA
HL,K;;QAAP,W;;MAMJ,OAAoC,oBAA7B,mBAAM,oBAAN,CAA6B,C;K;IAGxC,yC;MAIwB,SAApB,WAAoB,
Y;MAApB,kB;K;IAEJ,4B;MAM6D,QAAM,gBAAN,C;aACzD,C;UADyD,OACpD,U;aACL,C;UAFyD,OAEPD,M
AAM,UAAK,CAAL,CAAN,C;gBAFoD,OAGjD,mBAAM,qBAAoB,YAAY,gBAAZ,CAApB,CAAN,C;;K;IAGZ,y
C;MAIwB,OAAPB,WAAoB,Y;MAApB,kB;K;IAEJ,4B;MAM4D,OAA6B,oBAA7B,mBAAM,oBAAN,CAA6B,C;
K;IAEzF,yC;MAIwB,SAApB,WAAoB,Y;MAApB,kB;K;IAEJ,4B;MAMqD,QAAM,cAAN,C;aACjD,C;UADiD,O
AC5C,U;aACL,C;UAFiD,OA1Y8B,uB;gBb0Y9B,OAGzC,uB;;K;IAGZ,iC;MAMmE,4BAAc,SAAd,C;K;IAEnE,yC
;MAKI,WAAoB,0B;MAApB,kB;K;IAEJ,kC;MAOI,Q;MAAA,IAAI,SAAK,UAAT,C;QAAA,OAAoB,MAAM,IA
AN,C;;QAAqC,kBAAPB,qBAAC,SAAd,C;QAA4B,wBAAS,UAAT,EAAqB,WAArB,C;QAAjE,OU9eO,W;;MV8e
P,W;K;IAEJ,mC;MAOI,Q;MAAA,IAAI,SAAK,UAAT,C;QAAA,OAA0B,MAAN,KAAM,C;;QAAiC,kBAAPB,qB
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AA,OAA0B,QAAN,KAAM,C;;QAAiC,kBAAPB,qBAAC,SAAd,C;QAA4B,0B;QAAnE,OUhgBO,W;;MVggBP,W;
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,MAAT,EAAgB,IAAK,OAARb,C;K;4FAGJ,yB;MAAA,gD;MAAA,mC;QAKI,kBAAO,KAAP,C;O;KALJ,C;4FA
QA,yB;MAAA,gD;MAAA,mC;QAKI,kBAAO,KAAP,C;O;KALJ,C;4FAQA,yB;MAAA,gD;MAAA,mC;QAKI,kB
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sCL,6B;MAAtCA,OAA+C,oBUpkBxC,WVokBwC,C;K;IAEnD,mC;MAQwB,kBAAf,aAAL,SAAK,C;MAqCK,YA
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F,wC;O;MARvF,4CASI,Y;QAAuC,8B;O;MAT3C,8E;MgJmB2I,qD;QAAA,mB;UAAE,gBAAS,qBAAT,C;S;O;M
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C;O;KAHII,C;IAGB0C,yB;K;+CAoBtC,kC;MAOI,IAAI,uCAA0B,QAAS,UAAvC,C;QAAkD,M;MACID,OAAO,s
BAAS,QAAS,WAAIB,e;K;+CAGX,kC;MAQqD,6BAAS,QAAS,WAAIB,e;K;,,,,,;IAezD,mC;MAA2C,wB;MACv
C,eAAoB,C;MACpB,mBAA4B,I;MAC5B,sBAAYC,I;MACzC,gBAAoC,I;K;gDAEPc,Y;MACI,OAAO,IAAP,C;Q
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;;K;6CkGoGA,Y;MACU,IASe,I;MATrB,QAAM,YAAN,C;aACI,C;aAAA,C;UAAcC,OAAO,qB;aAC7C,C;UACI,e
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BAEH,MAAM,yB;;K;uDAItB,Y;MACI,IAAI,CAAC,cAAL,C;QAAgB,MAAM,6B;;QAA8B,OAAO,W;K;2DAG/
D,Y;MAA4C,QAAM,YAAN,C;aACx,C;UADwC,OAC1B,6B;aACd,C;UAFwC,OAExB,6BAAsB,sBAAtB,C;gB
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K;oDALR,+B;MACI,mBAAY,K;MACZ,eAAQ,C;MACR,OAA6C,0CAAtC,c;K;IAUsC,+E;MAAA,oB;QACzC,w
CAAW,C;QAAX,OACA,yB;O;K;yDANR,kC;MACI,IAAI,CAAC,QAAS,UAAc,C;QAAYB,M;MACzB,sBA Ae,Q;
MACf,eAAQ,C;MACR,OAA6C,6CAAtC,c;K;2DAMX,kB;MnGvBO,Q;MADP,emG0BI,MnG1BJ,C;MACO,QmG
yBH,MnGzBG,+D;MmG0BH,eAAQ,C;K;8EAIR,Y;MAAQ,0C;K;;IhJ5LhB,oD;MAQuF,wC;K;IARvF,8CASI,Y;
MAAuC,8B;K;IAT3C,gF;sFAAA,yB;MAAA,kC;MAAA,0C;MAAA,kD;QAQuF,wC;O;MARvF,4CASI,Y;QAAu
C,8B;O;MAT3C,8E;MAAA,2B;QAQuF,2C;O;KARvF,C;IAiBgE,+C;MAAA,mB;QAAE,sB;O;K;IALIE,kC;MAKu
D,OAAkB,2CAAT,+BAAS,E;K;IAEzE,8B;MAK6D,OAAI,QZy0MtD,YAAQ,CYz0M0C,GAAwB,eAAxB,GAAs
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;MAAA,4B;QAM4D,uCAAQ,e;O;KANpE,C;IAGB4F,mH;MAAA,wC;MAAA,6B;MAAA,yB;MAAA,wC;MAAA,
wD;MAAA,kC;K;;kDAAA,Y;;cACxF,eAAe,uBAAa,W;cAC5B,IAAI,QAAS,UAAb,C;gBACI,gB;gCAAA,sCA
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;gBAAA,Q;;cAJJ,W;;cAAA,W;;K;IADwF,gE;MAAA,yD;uBAAA,uG;YAAA,S;iBAAA,Q;iBAAA,
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E,S;K;IAJtC,wC;MAEgB,Q;MADZ,IAAI,8CAAJ,C;QACI,OAA4C,CAApC,2EAAoC,kBAAQ,QAAR,C;;MAEhD,
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YAAY,gB;MACC,2B;MAAb,OAAa,cAAb,C;QAAa,sB;QACT,KAAM,WAALI,IAAK,MAAT,C;QACN,KAAM,W
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MACA,0B;MACA,4B;K;IAGuC,0E;MAAA,oD;MACnC,gBAAe,iCAAS,W;MACxB,iBAAqB,E;MACrB,gBAAm
B,I;K;oEAEnB,Y;MACI,OAAO,aAAS,UAAhB,C;QACI,WAAW,aAAS,O;QACpB,IAAI,wCAAU,IAAV,MAAm
B,sCAAvB,C;UACI,gBAAW,I;UACX,iBAAY,C;UACZ,M;;MAGR,iBAAY,C;K;8DAGhB,Y;MASW,Q;MARP,I
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W,I;MACX,iBAAY,E;MAEZ,OAAO,yE;K;iEAGX,Y;MACI,IAAI,mBAAa,EAAjB,C;QACI,iB;MACJ,OAAO,mB
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AAe,oCAAS,W;K;iEACxB,Y;MACI,OAAO,6CAAY,aAAS,OAAR,C;K;oEAGX,Y;MACI,OAAO,aAAS,U;K;;8C
APxB,Y;MAAuC,4D;K;qDAWvC,oB;MACI,OAAO,uBAA4B,eAA5B,EAAcC,kBAATC,EAAM,D,QAAND,C;K;;I
AUf,4D;MAAY,0B;MAAmC,gC;K;IACJ,8F;MAAA,wE;MACnC,gBAAe,2CAAS,W;MACxB,aAAY,C;K;wEAC
Z,Y;MAC0C,Q;MAATC,OAAO,oDAAY,oBAAmB,iBAAnB,EAAM,B,yBAAnB,QAAZ,EAAyC,aAAS,OAAID,C;
K;2EAGX,Y;MACI,OAAO,aAAS,U;K;;qDARxB,Y;MAAuC,mE;K;;IAkB3C,oC;MAAY,0B;K;IAC6C,wE;MACj
D,gBAAe,gCAAS,W;MACxB,aAAY,C;K;6DACZ,Y;MAC2C,Q;MAAvC,OAAO,iBAAa,oBAAmB,iBAAnB,EAAM
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K;;IAmBzD,0D;MACI,4B;MACA,4B;MACA,4B;K;IAEuC,sE;MAAA,gD;MACnC,iBAAgB,gCAAU,W;MAC1B,
iBAAgB,gCAAU,W;K;4DAC1B,Y;MACI,OAAO,sCAAU,cAAU,OAAPB,EAA4B,cAAU,OAAtC,C;K;+DAGX,Y

;MACI,OAAO,cAAU,UAAV,IAAuB,cAAU,U;K;;yCARhD,Y;MAAuC,uD;K;;IAc3C,6D;MACI,0B;MACA,gC;M
ACA,0B;K;IAEuC,4E;MAAA,sD;MACnC,gBA Ae,kCAAS,W;MACxB,oBAaI,C;K;+DAEjC,Y;MACI,IAAI,CA
AC,2BAAL,C;QACI,MAAM,6B;MACV,OAAO,gCA Ae,O;K;keAG1B,Y;MACI,OAAO,2B;K;+EAGX,Y;MACQ,
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atB,6B;MAWY,Q;MALR,IAAI,MAAM,CAAV,C;QAAa,OAAO,C;MACpB,IAAI,SAAJ,C;QAAe,OAAO,E;MACt
B,IAAI,SAAJ,C;QAAe,OAAO,C;MAGtB,OAA8B,iBAAtB,mDAAsB,EAAU,CAAV,C;K;IAaZ,6C;MAAA,uB;Q
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C;K;0FAIJ,yB;MAAA,sC;MCjFA,kC;MAAA,oC;MAAA,sD;QAAsG,4C;O;MAAtG,6CACI,gB;QAAwC,+BAAW
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C;O;MAAtG,6CACI,gB;QAAwC,+BAAW,CAAX,EAAc,CAAd,C;O;MAD5C,kF;MDoGA,iCAOe,yB;QAxXf,8D;
eAwFe,4B;UAAA,uB;YAAU,eAAsB,gB;YAAtB,OA/Ed,cAAc,SA+EgB,CA/EhB,CAAd,EAA2B,SA+EM,CA/EN,
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D5C,kF;MDyHA,oBAQe,yB;QA9Gf,8D;eA8Ge,yC;UAAA,uB;YACP,sBAAsB,WAAy,SAAQ,CAAR,EAAW,CA
AX,C;YACIC,Q;YAAA,IAAI,oBAAmB,CAAvB,C;cAAA,OAA0B,e;;cAAqB,eAAsB,gB;cAArE,OAyGG,cAAc,S
AuG8C,CAvG9C,CAAd,EAA2B,SAuGoC,CAvGpC,CAA3B,C;;YAsGH,W;W;S;OADO,C;MARf,sC;QAQI,oCA
AW,kCAAX,C;O;KARJ,C;oFAaA,yB;MCtIA,kC;MAAA,oC;MAAA,sD;QAAsG,4C;O;MAAtG,6CACI,gB;QAA
wC,+BAAW,CAAX,EAAc,CAAd,C;O;MAD5C,kF;MD8Ie,0E;QAAA,uB;UACP,sBAAsB,WAAy,SAAQ,CAAR,
EAAW,CAAX,C;UACIC,Q;UAAA,IAAI,oBAAmB,CAAvB,C;YAAA,OAA0B,e;;YAAqB,iBAAsB,kB;YAAtB,e
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Gd,W;S;O;MATR,kD;QAQI,oCAAW,8CAAX,C;O;KARJ,C;sGAaA,yB;MAAA,sC;MCnJA,kC;MAAA,oC;MAA
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,yB;QAxIf,8D;eAwIe,mD;UAAA,uB;YACP,sBAAsB,qBAAsB,SAAQ,CAAR,EAAW,CAAX,C;YAC5C,Q;YAAA
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Ad,C;O;MAD5C,kF;MDwKe,8F;QAAA,uB;UACP,sBAAsB,qBAAsB,SAAQ,CAAR,EAAW,CAAX,C;UAC5C,Q;
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,+BAAW,CAAX,EAAc,CAAd,C;O;MAD5C,kF;MDqLe,wE;QAAA,uB;UACP,sBAAsB,mBAAoB,SAAQ,CAAR,

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O;MATvD,wC;QAOI,oCAA W,4CAAX,C;O;KAPJ,C;IAmBe,oD;MAAA,uB;QACP,sBAAsB,SAAU,SAAQ,CAA
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,C;O;KAPrE,C;IAGBe,8C;MAAA,uB;QAEH,UAAM,CAAN,C;UADJ,OACe,C;aACX,c;UAFJ,OAEiB,C;aACb,c;U
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vD,kBAD2D,SAC3D,sB;QADqD,OAC5B,SAAK,W;WAC9B,WAF2D,SAE3D,wC;QAFqD,OAEe,4F;WACvD,W
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gB;MAAwC,OAAA,eAAW,SAAQ,CAAR,EAAW,CAAX,C;K;4CACnD,Y;MACgC,sB;K;;IAGpC,kC;MAAA,sC;
K;+CACI,gB;MAAoE,OAAE,iBAAF,CAAE,EAAU,CAA V,C;K;gDAcTE,Y;MAC8C,2C;K;;IAHID,8C;MAAA,6
C;QAAA,4B;;MAAA,sC;K;IAMA,kC;MAAA,sC;K;+CACI,gB;MAAoE,OAAE,iBAAF,CAAE,EAAU,CAA V,C;K
;gDAcTE,Y;MAC8C,2C;K;;IAHID,8C;MAAA,6C;QAAA,4B;;MAAA,sC;K;Igl/SA,iC;K;;;oDAyDI,0C;MAiB+D
,oB;QAAA,2C;aAjB/D,kG;K;;IAoBJ,uC;MAAA,e;MAAA,iB;MAAA,uB;K;IAAA,qC;MAAA,wC;O;MASI,4E;M
AMA,8E;MAOA,4E;MAOA,kE;K;;IAPBA,mD;MAAA,2B;MAAA,2C;K;;IAMA,oD;MAAA,2B;MAAA,4C;K;;IA
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;;;;;;;;;;;;;;IrGiB0C,gD;MAAA,oB;QACIC,WAAW,sBAAmB,YAAF,CAAE,CAAnB,C;QACX,cAAM,IAAN,C;
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,+B;MAIwE,8BAAW,SAAX,C;K;ICjAxE,8B;MAEGd,QAAM,SAAN,M;aAC5C,a;UAD4C,OACbB,I;aAC5B,c;UA
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C,oBAaKB,SAAlB,C;O;KATzC,C;wEUAU,yB;MAAA,gD;MAAA,4B;QAS0C,oBAAa,SAAb,C;O;KATIC,C;I4B
tTA,4B;MAEqB,sB;K;sCAKjB,iB;MAM4C,O5BiRT,S4BjRS,aAAQ,KAAR,C5BiRT,C;K;sC4B/QnC,wB;MAOI,a
AAQ,KAAR,IAAiB,K5BmKY,K;K;6D4B/JH,Y;MAAQ,OAAA,YAAQ,O;K;mCAE9C,Y;MACwD,8BAAS,YAA
T,C;K;IAEIC,mC;MAAgC,uB;MAA/B,oB;MACnB,eAAoB,C;K;2CACpB,Y;MAAyB,sBAAQ,YAAM,O;K;4CAC
vC,Y;MAAwD,Q;MAA9B,IAAI,eAAQ,YAAM,OAAIB,C;QAAA,O5B4PK,S4B5PmB,aAAM,mBAAN,EAAM,2
BAAN,O5B4PnB,C;;;Q4B5PgD,MAAM,2BAAuB,YAAM,WAA7B,C;K;;yCAGzF,mB;MAGS,Q;MAAL,IAAI,eA
AC,0EAAD,OAAJ,C;QAAgC,OAAO,K;MAEvC,OAAe,WAAR,YAAQ,EAAS,O5B+IK,K4B/Id,C;K;8CAGnB,oB
;MACY,Q;MAA2B,gBAA3B,gE;MAA2B,c;;QZ44CvB,U;QADhB,IAAI,wCAAsB,mBAA1B,C;UAAqC,aAAO,I;
UAAP,e;;QACrB,6B;QAAhB,OAAgB,gBAAhB,C;UAAgB,2B;UY54C6B,2BZ44CR,OY54CQ,O;UAAA,W;YAA
sB,oBAAR,YAAQ,EZ44C9B,OhBjwCJ,K4B3IkC,C;;UZ44C7C,IAAI,OAAJ,C;YAAyB,aAAO,K;YAAP,e;;QAC/
C,aAAO,I;;MY74CH,iB;K;kCAGJ,Y;MAAkC,OAAA,IAAK,QAAQ,OAAb,KAAqB,C;K;;IA7CvD,qC;MAAA,m
D;MACgC,sBAAK,eAAS,IAAT,CAAL,C;MADhC,Y;K;;;mCAPJ,Y;MAAA,OAKqB,oDALrB,M;K;mCAA,Y;
MAAA,c;MAKqB,wD;MALrB,a;K;iCAA,iB;MAAA,2IAKqB,0CALrB,G;K;8EAuDA,yB;MAAA,uC;MAWoC,
wC;QAAA,wB;UAAW,OAAA,aAAK,KAAL,C5B0HV,K;S;O;M4BrIrC,6B;QAWI,OAAO,mBAAU,gCAAS,IAA
T,GAAe,sBAaf,CAAV,C;O;KAXX,C;gFAcA,oB;MAGkE,e;K;IgK/D5C,wC;MAiBiB,iC;MAjBsD,2BAAgB,KAA
hB,EAAuB,YAAvB,EAAqC,CAArC,C;K;8DAC7B,Y;MAAQ,iB;K;qEACD,Y;MAAQ,gB;K;2CAExC,iB;MAA8C
,W5LuCoB,Y4LvCpB,U5LuCqC,KAAjB,E4LvCX,K5LuCwC,KAA7B,C4LvCpB,K;MAAA,S;QAAkB,O5LuCE,
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C,Y4LrChC,U5LqCiD,KAAjB,E4LrCxB,S5LqCqD,KAA7B,C4LrChC,I;K;iCAEIC,iB;MAEY,UAAwB,M;MADh
C,2CAAuB,kBAAa,KAAM,UAAAnB,KACf,2CAAS,KAAM,MAAf,cAAwB,6CAAQ,KAAM,KAAc,QAAxB,CAD
e,CAAvB,C;K;mCAGJ,Y;MACI,OAAI,cAAJ,GAAe,EAAf,GAawB,MAAK,U5LsKA,K4LlKL,QAAqB,S5LsKhB
,K4LlKL,I;K;mCAE5B,Y;MAAkC,OAAE,UAAf,qBAAU,S;K;IAE5C,+B;MAAA,mC;MACI,aAC8B,cAAU,4BA
AK,UAAf,EAA0B,4BAAK,UAA/B,C;K;;IAFIC,2C;MAAA,0C;QAAA,yB;;MAAA,mC;K;;IAYJ,oD;MAuCI,uC;

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AT7D,+B;M8BjHA,8C;MAHA,wB;QAEqD,OAGC,YAAY,IAAZ,E9BwHjB,eAAW,oB8B3Hc,K9B2HnB,KAAK,
CAAL,iBAAN,C8BxHiB,C;O;KALtD,C;0FAGA,yB;MAAA,8C;MAAA,wB;QAEsD,mBAA Y,IAAZ,EAakB,KA
AlB,C;O;KAFtD,C;0FAIA,yB;M/BqGA,WAS6D,wB;MAT7D,+B;M+B5FA,oD;MATA,wB;QAEsD,OASA,eAAe,
IAAf,E/BmGjB,eAAW,oB+B5Ge,K/B4GpB,KAAK,CAAL,UAAN,C+BnGiB,C;O;KAXtD,C;0FAGA,yB;M7BmG
A,aAS6D,0B;MAT7D,+B;M6B7FA,oD;MANA,wB;QAEuD,OAMD,eAAe,IAAf,E7BoGjB,eAAW,oB6B1GgB,K7
B0GrB,KAAK,CAAL,YAAN,C6BpGiB,C;O;KARtD,C;0FAGA,yB;M9BuGA,kBAS6D,sB;MAT7D,+B;M8BpGA,
oD;MAHA,wB;QAEqD,OAGC,eAAe,IAAf,E9B2GjB,eAAW,oB8B9Gc,K9B8GnB,KAAK,CAAL,iBAAN,C8B3G
iB,C;O;KALtD,C;0FAGA,yB;MAAA,oD;MAAA,wB;QAEsD,sBA Ae,IAAf,EAAqB,KAArB,C;O;KAFtD,C;0EAI
A,yB;MAAA,+B;MAAA,mB;QAE0C,sBAAM,SAAK,MAAX,C;O;KAF1C,C;0EAGA,yB;MAAA,+B;MAAA,mB;
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B,KAAjB,C;O;KAF/D,C;0FAIA,yB;MAAA,+B;MAAA,2B;QAEoD,sBAAM,oBAAS,QAAT,CAAN,C;O;KAFpD,
C;0FAGA,yB;MAAA,+B;MAAA,2B;QAEoD,sBAAM,6BAAU,QA AV,CAAN,C;O;KAFpD,C;0FAGA,yB;MAAA
,+B;MAAA,wB;QAE mD,sBAAM,IAAK,KAAL,KAAC,KAAM,KAAPB,CAAN,C;O;KAFnD,C;wFAGA,yB;MAA
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1C,C;8EAWA,Y;MAUiC,OAAA,SAAK,Q;K;gFACtC,Y;MASmC,gB;K;kFAEnC,yB;M/B+EJ,0B;MAAA,+B;M+
B/EI,mB;QASqC,O/BiFC,eAAW,O+BjFZ,S/BiFY,SAAX,C;O;K+B1FtC,C;oFAUA,yB;M7BsEJ,4B;MAAA,iC;M6
BtEI,mB;QASuC,O7BwEC,gBAAY,Q6BxEb,S7BwEa,SAAZ,C;O;K6BjFxC,C;gFAUA,yB;M9BqEJ,6B;M8BrEI,
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D;MATA,mB;QAQqC,OASE,cAAc,SAAd,C;O;KAjBvC,C;oFASA,yB;MAAA,kD;MAAA,mB;QAQuC,qBAAC,S
AAd,C;O;KARvC,C;+BAUA,Y;MAAyC,qBAAC,SAAd,C;K;::;+BA5P7C,Y;MAAA,c;MAG6D,qD;MAH7D,a;K;
6BAAA,iB;MAAA,2IAG6D,oCAH7D,G;K;wEAgQA,yB;MAAA,+B;MAAA,4B;QAW0C,sBAAW,oBAAL,SA
K,CAAX,C;O;KAX1C,C;0EAYA,yB;MAAA,+B;MAAA,4B;QAW2C,sBAAW,oBAAL,SAAK,CAAX,C;O;KAX3
C,C;0EAYA,yB;MAAA,+B;MAAA,4B;QAWyC,sBAAW,oBAAL,SAAK,CAAX,C;O;KAXzC,C;0EAYA,yB;MA
AA,+B;MAAA,4B;QAU0C,sBAAM,SAAN,C;O;KAV1C,C;yEAYA,yB;MAAA,kD;MAAA,4B;QAS2C,qBAAmB
,SAAnB,C;O;KAT3C,C;0EAUA,yB;MAAA,kD;MAAA,4B;QAS4C,qBAAC,SAAd,C;O;KAT5C,C;IDzTA,6B;MA
EqB,sB;K;uCAKjB,iB;MAM6C,OCgSP,UDhSO,aAAQ,KAAR,CCgSP,C;K;uCD9RtC,wB;MAOI,aAAQ,KAAR,I
AAiB,KC8Kc,K;K;8DD1KL,Y;MAAQ,OAAA,YAAQ,O;K;oCAE9C,Y;MACyD,+BAAS,YAAT,C;K;IAEnC,oC;
MAAiC,wB;MAAhC,oB;MACnB,eAAoB,C;K;4CACpB,Y;MAAyB,sBAAQ,YAAM,O;K;8CACvC,Y;MAAyD,Q;
MAA9B,IAAI,eAAQ,YAAM,OAAIB,C;QAAA,OC2QO,UD3QiB,aAAM,mBAAN,EAAM,2BAAN,OC2QjB,C;::;
QD3Q+C,MAAM,2BAAuB,YAAM,WAA7B,C;K;0CAG3F,mB;MAGS,Q;MAAL,IAAI,eAAC,0EAAD,QA AJ,C;
QAAiC,OAAO,K;MAExC,OAAe,WAAR,YAAQ,EAAS,OC0JO,KD1JhB,C;K;+CAGnB,oB;MACY,Q;MAA2B,g
BAA3B,gE;MAA2B,c;Qb44CvB,U;QADhB,IAAI,wCAAsB,mBAA1B,C;UAAqC,aAAO,I;UAAp,e;QACrB,6B;
QA AhB,OAAgB,gBA AhB,C;UAAgB,2B;Ua54C6B,2Bb44CR,Oa54CQ,Q;UAAA,W;YAAuB,oBAAR,YAAQ,Eb4
4C/B,OctvCF,KDtJiC,C;Ub44C9C,IAAI,OAAJ,C;YAAyB,aAAO,K;YAAP,e;QAC/C,aAAO,I;Ma74CH,iB;K;m
CAGJ,Y;MAAkC,OAAA,IAAK,QAAQ,OAAb,KAAqB,C;K;IA7CvD,sC;MAAA,oD;MACgC,uBAAK,iBAAU,IA
AV,CAAL,C;MADhC,Y;K;::;oCAPJ,Y;MAAA,OAKqB,qDALrB,M;K;oCAAA,Y;MAAA,c;MAKqB,wD;MALrB,
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AXX,C;kFAcA,oB;MAGqE,e;K;IiK/D9C,2C;MAiBnB,kC;MAjByD,4BAAiB,KAAjB,EAAwB,YAAxB,K;K;iEAC
/B,Y;MAAQ,iB;K;wEACD,Y;MAAQ,gB;K;8CAEzC,iB;MAA+C,WhK+CoB,agK/CpB,UhK+CcS,KAAIB,EgK/C
X,KhK+CyC,KAA9B,CgK/CpB,K;MAAA,S;QA AkB,OhK+CE,agK/CF,KhK+CoB,KAAIB,EgK/CO,ShK+CuB,K
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A0B,SAAR,YAAQ,CAA1B,I;K;IAGZ,uD;MACX,OAAI,GjLoJoC,YAAU,CiLpJID,GAAmB,OAAQ,WAA3B,GA
A2C,MAAM,IAAN,YAAa,OAAb,C;K;yCAFnd,Y;MACI,aAAM,kBAAK,EAAL,EAAS,+BAAT,CAAN,GAEL,G;
K;;;ICzDZ,+B;K;;ICI0C,wD;MAAA,uB;QAAU,qBAAM,IAAK,OAAx,C;O;K;INGvB,gD;MAAA,oB;QACrB,
WAAW,sBAAiB,CAAjB,C;QACX,cAAM,IAAN,C;QADA,OAEA,IAAK,Y;O;K;IAReb,yD;MAWI,oCAAyB,QA
AzB,EAAmC,UAAnc,CAA+C,cAAO,IAAP,C;K;IAGnd,iD;MAUI,sCAAyB,UAAzB,CAAqC,cAAO,IAAP,C;K;I

AGzC,0D;MAawB,4BAAiB,oCAAyB,QAAzB,EAAmC,UAAnc,CAAjB,EAAiE,mBAAjE,C;K;IAExB,kD;MAY
wB,4BAAiB,sCAAyB,UAAzB,CAAjB,EAAuD,mBAAvD,C;K;IAExB,+C;MAUI,OMhDsC,gCNgDb,8BMhDa,C
AAAtC,c;K;2FNsCJ,yB;MAAA,0F;MMtC0C,wD;QAAA,uB;UAAU,qBAAM,IAAK,OAAX,C;S;O;MNgDvB,gD;Q
AAA,oB;UACrB,WAAW,sBAAiB,CAAjB,C;UACX,cAAM,IAAN,C;UADA,OAEA,IAAK,Y;S;O;MAbb,sC;QMt
CI,mBAAsC,gCNgDb,8BMhDa,CAAtC,6B;QNgDA,yD;O;KAVJ,C;kHA4BI,yB;MAAA,gE;MAAA,mB;QACI,M
AAM,6BAAoB,0BAApB,C;O;KADV,C;4IAMJ,yB;MAAA,yF;MAAA,gE;MAAA,8B;MAAA,qB;MAAA,oC;QA
Ma,Q;;UAHL,aAAa,O;UACb,IAAI,WAAW,mBAAf,C;YAEuC,CAAIC,kEAAkC,eAAO,MAAP,C;;;UAEzC,gC;
YACE,UAAW,6BAAoB,CAApB,C;;;YAPf,O;;O;KAFJ,C;I7L/FA,kD;MAQuF,wC;K;IARvF,4CASI,Y;MAAuC,8
B;K;IAT3C,8E;ImMuB0C,0D;MAAA,uB;QAAU,qBAAM,IAAK,OAAX,C;O;K;ICVyE,qD;MAAA,mB;QAAE,qB
AAc,qBAAd,C;O;K;IAT/H,sC;MASoH,OpML7B,2BoMKsC,mCpMLtC,C;K;IoMOvF,sC;MASI,eAAe,6B;MACf,
oBAaKc,yBAAd,aAAc,EAAoC,QAApC,EAA2D,QAA3D,C;MAClC,OAAO,Q;K;IAciC,2B;K;IDaaxC,kC;MAII,I
AAI,uCAA0B,QAAS,UAAvC,C;QAAkD,M;MACID,OAAO,sBAAS,QAAS,WAAIB,e;K;iDAGX,kC;MAKqD,6B
AAS,QAAS,WAAIB,e;K;IAYzD,mC;MAA2C,0B;MACvC,eAAoB,C;MACpB,mBAA4B,I;MAC5B,sBAAyC,
I;MACzC,gBAAoC,I;K;gDAEpC,Y;MACI,OAAO,IAAP,C;QACI,QAAM,YAAN,C;eACI,C;YAAA,K;eACA,C;Y
ACI,IAAI,kCAAe,UAAnc,C;cACI,eAAQ,C;cACR,OAAO,I;;cAEP,sBAAe,I;;YALvB,K;eAOA,C;YAAc,OAAO,
K;eACrB,C;eAAA,C;YAAgC,OAAO,I;kBAC/B,MAAM,yB;;QAGIB,eAAQ,C;QACR,WAAW,4B;QACX,gBAA
W,I;QACX,IAAK,cAAO,IAAP,C;;K;6CAIb,Y;MACU,IASe,I;MATrB,QAAM,YAAN,C;aACI,C;aAAA,C;UAAAsC
,OAAO,qB;aAC7C,C;UACI,eAAQ,C;UACR,OAAO,kCAAe,O;aAEIB,C;UACI,eAAQ,C;UACR,aACa,iF;UACb,
mBAAy,I;UACZ,OAAO,M;gBAEH,MAAM,yB;;K;uDAItB,Y;MACI,IAAI,CAAC,cAAL,C;QAAgB,MAAM,6B;;
QAA8B,OAAO,W;K;2DAG/D,Y;MAA4C,QAAM,YAAN,C;aACxC,C;UADwC,OAC1B,6B;aACd,C;UAFwC,OA
ExB,2BAAsB,sBAAtB,C;gBAFwB,OAGhC,2BAAsB,uCAAoC,YAA1D,C;;K;IAowB,4E;MAAA,oB;QAC5B,wC
AAW,C;QAAX,OACA,mB;O;K;oDALR,+B;MACI,mBAAy,K;MACZ,eAAQ,C;MACR,ODpHkC,kCCoHF,0CDp
HE,CAAtC,c;K;IC8HoC,+E;MAAA,oB;QAC5B,wCAAW,C;QAAX,OACA,mB;O;K;yDANR,kC;MACI,IAAI,CA
AC,QAAS,UAAc,C;QAAYB,M;MACzB,sBAAe,Q;MACf,eAAQ,C;MACR,OD9HkC,kCC8HF,6CD9HE,CAAtC,c
;K;qDCoIA,iB;MAEI,eAAQ,C;K;oEAGZ,qB;MACI,MAAM,S;K;8EAIN,Y;MAAQ,0C;K;;ID9IOB,0D;MAAA,uB;
QAAU,qBAAM,IAAK,OAAX,C;O;K;IARbPD,uD;MAqBI,OAAsC,wCAAtC,c;K;8GARBJ,yB;MAqB0C,wD;QAA
A,uB;UAAU,qBAAM,IAAK,OAAX,C;S;O;MARbPD,sC;QAqBI,mBAAsC,sCAAtC,6B;QAAA,yD;O;KARBJ,C;IA
uBA,oE;MAUI,MAAM,wBAAoB,sEAAPB,C;K;2HAVV,yB;MAAA,gE;MAAA,sC;QAUI,MAAM,6BAAoB,sEA
ApB,C;O;KAVV,C;mHAYA,yB;MAAA,gE;MAAA,4B;QAMI,MAAM,6BAAoB,4CAApB,C;O;KANV,C;C7N3EvC,E;" }

Found in path(s):

* /opt/cola/permits/1176501404_1624875252.68/0/kotlin-1-3-60-tgz/package/kotlin.js.map

1.229 min-indent 1.0.1

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1.230 extend-shallow 1.1.4

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1.231 @jridgewell/set-array 1.1.2

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1.232 eslint-config-prettier 7.2.0

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1.233 read-pkg-up 7.0.1

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1.234 leven 3.1.0

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1.235 absolute-path 0.0.0

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1.236 supports-color 5.5.0

1.236.1 Available under license :

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1.237 @babel/plugin-bugfix-safari-id- destructuring-collision-in-function- expression 7.18.6

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1.238 babel-helper-create-regexp-features-plugin 7.21.8

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1.239 conventional-commits-parser 3.2.4

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1.240 resolve-from 3.0.0

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1.241 @babel/plugin-transform-block-scoping

7.21.0

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1.242 v8-compile-cache 2.3.0

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1.243 slice-ansi 2.1.0

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1.244 jest-mock 24.9.0

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1.245 clone-deep 4.0.1

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1.246 get-stdin 8.0.0

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1.247 get-symbol-description 1.0.0

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1.248 natural-compare 1.4.0

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No license file was found, but licenses were detected in source scan.

/*

* @version 1.4.0

* @date 2015-10-26

* @stability 3 - Stable

* @author Lauri Rooden (<https://github.com/litejs/natural-compare-lite>)

* @license MIT License

*/

Found in path(s):

* /opt/cola/permits/1237623697_1638828154.57/0/natural-compare-1-4-0-tgz/package/index.js

1.249 semver 6.3.0

1.249.1 Available under license :

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1.250 nan 2.17.0

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1.251 @babel/plugin-transform-modules-systemjs 7.20.11

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1.252 fbjs-css-vars 1.0.2

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1.253 @babel/plugin-transform-object-super 7.18.6

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1.254 jsonify 0.0.1

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```
# jsonify <sup>[[Version Badge]][npm-version-svg]][package-url]</sup>
```

```
[[github actions]][actions-image]][actions-url]
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```
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```

This module provides Douglas Crockford's JSON implementation without modifying any globals.

``stringify`` and ``parse`` are merely exported without respect to whether or not a global ``JSON`` object exists.

```
[[build status]](https://secure.travis-ci.org/ljharb/jsonify.png))(https://travis-ci.org/ljharb/jsonify)
```

```
# methods
```

```
`` js
```

```
var json = require('jsonify');
```
```

```
json.parse(source, reviver)
```

Return a new javascript object from a parse of the `source` string.

If a `reviver` function is specified, walk the structure passing each name/value pair to `reviver.call(parent, key, value)` to transform the `value` before parsing it.

```
json.stringify(value, replacer, space)
```

Return a string representation for `value`.

If `replacer` is specified, walk the structure passing each name/value pair to `replacer.call(parent, key, value)` to transform the `value` before stringifying it.

If `space` is a number, indent the result by that many spaces.

If `space` is a string, use `space` as the indentation.

```
install
```

With [npm](https://npmjs.org) do:

```
```
```

```
npm install jsonify
```

```
```
```

To use this module in the browser, check out [browserify](https://github.com/browserify/browserify).

```
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```

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```
[package-url]: https://npmjs.org/package/jsonify
```

```
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[dev-deps-url]: https://david-dm.org/ljharb/jsonify#info=devDependencies
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```
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\* /opt/cola/permits/1452856594\_1666829084.5507376/0/jsonify-0-0-1-tgz/package/README.md

## 1.255 RSVP 4.8.5

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## 1.256 execa 4.1.0

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## 1.257 es-to-primitive 1.2.1

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## 1.260 braces 3.0.2

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## 1.263 @babel/plugin-external-helpers 7.18.6

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## 1.264 buffer-from 1.1.2

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 *
 * @flow strict-local
 * @format
 */

'use strict';

const AmbiguousModuleResolutionError = require('./errors/AmbiguousModuleResolutionError');
const PackageResolutionError = require('./errors/PackageResolutionError');

module.exports = {
 AmbiguousModuleResolutionError,
 PackageResolutionError,
};
```

Found in path(s):

\* /opt/cola/permits/1662172993\_1683107452.3582654/0/metro-core-0-59-0-2-tgz/package/src/errors.js.flow  
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\* /opt/cola/permits/1662172993\_1683107452.3582654/0/metro-core-0-59-0-2-tgz/package/src/Logger.js  
\* /opt/cola/permits/1662172993\_1683107452.3582654/0/metro-core-0-59-0-2-tgz/package/src/errors/AmbiguousModuleResolutionError.js  
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 * @flow strict-local
 * @format
 */
```

```
'use strict';
```

```
const {formatFileCandidates} = require('metro-resolver');
```

```
const {InvalidPackageError} = require('metro-resolver');
```

```
class PackageResolutionError extends Error {
 originModulePath: string;
 packageError: InvalidPackageError;
 targetModuleName: string;
```

```
 constructor(opts: {
 +originModulePath: string,
 +packageError: InvalidPackageError,
 +targetModuleName: string,
 }) {
 const perr = opts.packageError;
 super(
 `While trying to resolve module \`${opts.targetModuleName}\` from file ` +
 `\`${opts.originModulePath}\`, the package ` +
 `\`${perr.packageJsonPath}\` was successfully found. However, ` +
 `this package itself specifies ` +
 `a `main` module field that could not be resolved (' +
```

```

 `_${perr.mainPrefixPath}`. Indeed, none of these files exist:\n\n` +
 ` * ${formatFileCandidates(perr.fileCandidates)}\n` +
 ` * ${formatFileCandidates(perr.indexCandidates)}`,
);
 Object.assign(this, opts);
}
}

module.exports = PackageResolutionError;

Found in path(s):
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 *
 * @flow
 * @format
 */

'use strict';

const {DuplicateHasteCandidatesError} = (require('jest-haste-map')
.ModuleMap: any);

class AmbiguousModuleResolutionError extends Error {
 fromModulePath: string;
 hasteError: DuplicateHasteCandidatesError;

 constructor(
 fromModulePath: string,
 hasteError: DuplicateHasteCandidatesError,
) {
 super(
 `Ambiguous module resolution from \`${fromModulePath}\`: ` +
 hasteError.message,
);
 this.fromModulePath = fromModulePath;
 this.hasteError = hasteError;
 }
}

module.exports = AmbiguousModuleResolutionError;

```

Found in path(s):

\* /opt/cola/permits/1662172993\_1683107452.3582654/0/metro-core-0-59-0-2-tgz/package/src/errors/AmbiguousModuleResolutionError.js.flow  
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\*

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\*

\* @flow

\* @format

\*/

'use strict';

const readline = require('readline');

const throttle = require('lodash.throttle');

const tty = require('tty');

const util = require('util');

type UnderlyingStream = net\$Socket | stream\$Writable;

/\*\*

\* Clear some text that was previously printed on an interactive stream,

\* without trailing newline character (so we have to move back to the

\* beginning of the line).

\*/

function clearStringBackwards(stream: tty.WriteStream, str: string): void {

  readline.moveCursor(stream, -stream.columns, 0);

  readline.clearLine(stream, 0);

  let lineCount = (str.match(/\n/g) || []).length;

  while (lineCount > 0) {

    readline.moveCursor(stream, 0, -1);

    readline.clearLine(stream, 0);

    --lineCount;

  }

}

/\*\*

\* Cut a string into an array of string of the specific maximum size. A newline

\* ends a chunk immediately (it's not included in the "." RegExp operator), and

\* is not included in the result.

\* When counting we should ignore non-printable characters. In particular the

\* ANSI escape sequences (regex: `\x1B\{([0-9]{1,2};[0-9]{1,2})?m`)

\* (Not an exhaustive match, intended to match ANSI color escapes)

```

* https://en.wikipedia.org/wiki/ANSI_escape_code
*/
function chunkString(str: string, size: number): Array<string> {
 const ANSI_COLOR = '\x1B\\[([0-9]{1,2};[0-9]{1,2})?m';
 const SKIP_ANSI = `(?:${ANSI_COLOR})`;
 return str.match(new RegExp(`(?:${SKIP_ANSI}){1,${size}}`, 'g')) || [];
}

/**
 * Get the stream as a TTY if it effectively looks like a valid TTY.
 */
function getTTYStream(stream: UnderlyingStream): ?tty.WriteStream {
 if (
 stream instanceof tty.WriteStream &&
 stream.isTTY &&
 stream.columns >= 1
) {
 return stream;
 }
 return null;
}

/**
 * We don't just print things to the console, sometimes we also want to show
 * and update progress. This utility just ensures the output stays neat: no
 * missing newlines, no mangled log lines.
 *
 * const terminal = Terminal.default;
 * terminal.status('Updating... 38%');
 * terminal.log('warning: Something happened.');
```

\* terminal.status('Updating, done.');

```

 * terminal.persistStatus();
 *
 * The final output:
 *
 * warning: Something happened.
 * Updating, done.
 *
 * Without the status feature, we may get a mangled output:
 *
 * Updating... 38%warning: Something happened.
 * Updating, done.
 *
 * This is meant to be user-readable and TTY-oriented. We use stdout by default
 * because it's more about status information than diagnostics/errors (stderr).
 *
 * Do not add any higher-level functionality in this class such as "warning" and
 * "error" printers, as it is not meant for formatting/reporting. It has the
```

```

* single responsibility of handling status messages.
*/
class Terminal {
 _logLines: Array<string>;
 _nextStatusStr: string;
 _scheduleUpdate: () => void;
 _statusStr: string;
 _stream: UnderlyingStream;

 constructor(stream: UnderlyingStream) {
 this._logLines = [];
 this._nextStatusStr = "";
 this._scheduleUpdate = throttle(this._update, 33);
 this._statusStr = "";
 this._stream = stream;
 }

 /**
 * Clear and write the new status, logging in bulk in-between. Doing this in a
 * throttled way (in a different tick than the calls to `log()` and
 * `status()`) prevents us from repeatedly rewriting the status in case
 * `terminal.log()` is called several times.
 */
 _update(): void {
 const {_statusStr, _stream} = this;
 const ttyStream = getTTYStream(_stream);
 if (_statusStr === this._nextStatusStr && this._logLines.length === 0) {
 return;
 }
 if (ttyStream !== null) {
 clearStringBackwards(ttyStream, _statusStr);
 }
 this._logLines.forEach(line => {
 _stream.write(line);
 _stream.write('\n');
 });
 this._logLines = [];
 if (ttyStream !== null) {
 this._nextStatusStr = chunkString(
 this._nextStatusStr,
 ttyStream.columns,
).join('\n');
 _stream.write(this._nextStatusStr);
 }
 this._statusStr = this._nextStatusStr;
 }

 /**

```

- \* Shows some text that is meant to be overridden later. Return the previous
- \* status that was shown and is no more. Calling `status()` with no argument
- \* removes the status altogether. The status is never shown in a
- \* non-interactive terminal: for example, if the output is redirected to a
- \* file, then we don't care too much about having a progress bar.

\*/

```
status(format: string, ...args: Array<mixed>): string {
 const {_nextStatusStr} = this;
 this._nextStatusStr = util.format(format, ...args);
 this._scheduleUpdate();
 return _nextStatusStr;
}
```

/\*\*

- \* Similar to `console.log`, except it moves the status/progress text out of
- \* the way correctly. In non-interactive terminals this is the same as
- \* `console.log`.

\*/

```
log(format: string, ...args: Array<mixed>): void {
 this._logLines.push(util.format(format, ...args));
 this._scheduleUpdate();
}
```

/\*\*

- \* Log the current status and start from scratch. This is useful if the last
- \* status was the last one of a series of updates.

\*/

```
persistStatus(): void {
 this.log(this._nextStatusStr);
 this._nextStatusStr = "";
}
```

```
flush(): void {
```

```
 // Useful if you're going to start calling console.log/console.error directly
 // again; otherwise you could end up with mangled output when the queued
 // update starts writing to stream after a delay.
 /* $FlowFixMe(>=0.99.0 site=react_native_fb) This comment suppresses an
 * error found when Flow v0.99 was deployed. To see the error, delete this
 * comment and run Flow. */
```

```
 this._scheduleUpdate.flush();
```

```
}
```

```
}
```

```
module.exports = Terminal;
```

Found in path(s):

- \* /opt/cola/permits/1662172993\_1683107452.3582654/0/metro-core-0-59-0-2-tgz/package/src/Terminal.js.flow



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 * strict-local
 * @format
 */
```

Found in path(s):

```
* /opt/cola/permits/1662172993_1683107452.3582654/0/metro-core-0-59-0-2-tgz/package/src/canonicalize.js
* /opt/cola/permits/1662172993_1683107452.3582654/0/metro-core-0-59-0-2-
tgz/package/src/errors/PackageResolutionError.js
* /opt/cola/permits/1662172993_1683107452.3582654/0/metro-core-0-59-0-2-tgz/package/src/errors.js
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 *
 * @flow strict-local
 * @format
 */
```

```
'use strict';
```

```
function canonicalize(key: string, value: mixed): mixed {
 if (
 // eslint-disable-next-line lint/strictly-null
 value === null ||
 typeof value !== 'object' ||
 Array.isArray(value)
) {
 return value;
 }
}
```

```
const keys = Object.keys(value).sort();
const length = keys.length;
const object = {};
```

```
for (let i = 0; i < length; i++) {
 object[keys[i]] = value[keys[i]];
}
```

```
return object;
}
```

```
module.exports = canonicalize;
```

Found in path(s):

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```

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```

```
*
```

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```

```
*
```

```
* @flow
```

```
* @format
```

```
*/
```

```
'use strict';
```

```
const AmbiguousModuleResolutionError = require('./errors/AmbiguousModuleResolutionError');
```

```
const Logger = require('./Logger');
```

```
const PackageResolutionError = require('./errors/PackageResolutionError');
```

```
const Terminal = require('./Terminal');
```

```
module.exports = {
 AmbiguousModuleResolutionError,
 Logger,
 PackageResolutionError,
 Terminal,
};
```

Found in path(s):

\* /opt/cola/permits/1662172993\_1683107452.3582654/0/metro-core-0-59-0-2-tgz/package/src/index.js.flow

## 1.272 1to2 1.0.0

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```
/**
```

```
* NAN - Native Abstractions for Node.js
```

```
*
```

```
* Copyright (c) 2016 NAN contributors
```

```
*
```

\* MIT License <<https://github.com/nodejs/nan/blob/master/LICENSE.md>>  
\*\*\*\*\*/

Found in path(s):

\* /opt/cola/permits/1127086437\_1611781577.89/0/1to2-1-0-0-2-tgz/package/1to2.js

## 1.273 ms 2.0.0

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## 1.274 @babel/helper-split-export-declaration

### 7.18.6

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## 1.275 glob-parent 5.1.2

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## 1.277 react-is 16.13.1

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## 1.278 is-plain-object 2.0.4

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## 1.280 safe-regex 1.1.0

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## 1.281 @babel/plugin-transform-destructuring

### 7.21.3

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# 1.283 @babel/plugin-transform-shorthand-properties 7.18.6

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# 1.284 jest-fake-timers 24.9.0

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# 1.286 babel-plugin-syntax-nullish-coalescing-operator 7.8.3

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# 1.287 source-map 0.6.1

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## 1.290 object.pick 1.3.0

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## 1.296 @jridgewell/sourcemap-codec 1.4.15

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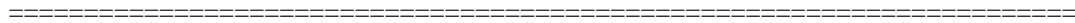
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## 1.311 asm-tree 6.0

## 1.312 onetime 5.1.2

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# 1.333 @babel/plugin-proposal-json-strings

## 7.18.6

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## 1.334 escalade 3.1.1

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## 1.335 object-visit 1.0.1

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## 1.337 restore-cursor 2.0.0

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## 1.340 is-negative-zero 2.0.2

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## 1.341 rimraf 3.0.2

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## 1.342 find-up 4.1.0

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## 1.343 invariant 2.2.4

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## 1.344 path-parse 1.0.7

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## 1.345 is-path-inside 3.0.3

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## 1.346 type-check 0.4.0

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## 1.347 minimatch 5.1.6

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## 1.348 fbjs-scripts 1.2.0

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## 1.349 @babel/core 7.21.8

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## 1.351 helloworld 0.0.1

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```
*
* <p>This source code is licensed under the MIT license found in the LICENSE file in the root
* directory of this source tree.
*/
```

Found in path(s):

```
* /opt/cola/permits/1234610874_1638277200.56/0/template-66-
zip/template/android/app/src/debug/java/com/helloworld/ReactNativeFlipper.java
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```

```
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* /opt/cola/permits/1234610874_1638277200.56/0/template-66-zip/template/android/gradlew.bat
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```

```
#!/usr/bin/env sh
```

```
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#
```

```
#####
##
Gradle start up script for UN*X
##
#####
```

```
Attempt to set APP_HOME
Resolve links: $0 may be a link
PRG="$0"
Need this for relative symlinks.
while [-h "$PRG"] ; do
```

```

ls=`ls -ld "$PRG"`
link=`expr "$ls" : '.*-> \(.*\)$$`
if expr "$link" : '/.*' > /dev/null; then
 PRG="$link"
else
 PRG=`dirname "$PRG""/$link`
fi
done
SAVED=""`pwd`"
cd "`dirname \"$PRG\"`/" >/dev/null
APP_HOME=""`pwd -P`"
cd "$SAVED" >/dev/null

APP_NAME="Gradle"
APP_BASE_NAME=`basename "$0"`

Add default JVM options here. You can also use JAVA_OPTS and GRADLE_OPTS to pass JVM options to this
script.
DEFAULT_JVM_OPTS=""-Xmx64m" "-Xms64m""

Use the maximum available, or set MAX_FD != -1 to use that value.
MAX_FD="maximum"

warn () {
 echo "$*"
}

die () {
 echo
 echo "$*"
 echo
 exit 1
}

OS specific support (must be 'true' or 'false').
cygwin=false
msys=false
darwin=false
nonstop=false
case "`uname`" in
 CYGWIN*)
 cygwin=true
 ;;
 Darwin*)
 darwin=true
 ;;
 MINGW*)
 msys=true

```

```

;;
NONSTOP*)
 nonstop=true
;;
esac

CLASSPATH=$APP_HOME/gradle/wrapper/gradle-wrapper.jar

Determine the Java command to use to start the JVM.
if [-n "$JAVA_HOME"] ; then
 if [-x "$JAVA_HOME/jre/sh/java"] ; then
 # IBM's JDK on AIX uses strange locations for the executables
 JAVACMD="$JAVA_HOME/jre/sh/java"
 else
 JAVACMD="$JAVA_HOME/bin/java"
 fi
 if [! -x "$JAVACMD"] ; then
 die "ERROR: JAVA_HOME is set to an invalid directory: $JAVA_HOME

```

Please set the JAVA\_HOME variable in your environment to match the location of your Java installation."

```

 fi
else
 JAVACMD="java"
 which java >/dev/null 2>&1 || die "ERROR: JAVA_HOME is not set and no 'java' command could be found in
 your PATH.

```

Please set the JAVA\_HOME variable in your environment to match the location of your Java installation."

```

 fi

Increase the maximum file descriptors if we can.
if ["$cygwin" = "false" -a "$darwin" = "false" -a "$nonstop" = "false"] ; then
 MAX_FD_LIMIT=`ulimit -H -n`
 if [$? -eq 0] ; then
 if ["$MAX_FD" = "maximum" -o "$MAX_FD" = "max"] ; then
 MAX_FD="$MAX_FD_LIMIT"
 fi
 ulimit -n $MAX_FD
 if [$? -ne 0] ; then
 warn "Could not set maximum file descriptor limit: $MAX_FD"
 fi
 else
 warn "Could not query maximum file descriptor limit: $MAX_FD_LIMIT"
 fi
fi

```

```

For Darwin, add options to specify how the application appears in the dock

```

```

if $darwin; then
 GRADLE_OPTS="$GRADLE_OPTS \-Xdock:name=$APP_NAME\" \-
Xdock:icon=$APP_HOME/media/gradle.icns\"
fi

For Cygwin or MSYS, switch paths to Windows format before running java
if ["$cygwin" = "true" -o "$msys" = "true"]; then
 APP_HOME=`cygpath --path --mixed "$APP_HOME"`
 CLASSPATH=`cygpath --path --mixed "$CLASSPATH"`
 JAVACMD=`cygpath --unix "$JAVACMD"`

 # We build the pattern for arguments to be converted via cygpath
 ROOTDIRSRAW=`find -L / -maxdepth 1 -mindepth 1 -type d 2>/dev/null`
 SEP=""
 for dir in $ROOTDIRSRAW ; do
 ROOTDIRS="$ROOTDIRS$SEP$dir"
 SEP="|"
 done
 OURCYGPATTERN="(^($ROOTDIRS))"
 # Add a user-defined pattern to the cygpath arguments
 if ["$GRADLE_CYGPATTERN" != ""]; then
 OURCYGPATTERN="$OURCYGPATTERN|($GRADLE_CYGPATTERN)"
 fi
 # Now convert the arguments - kludge to limit ourselves to /bin/sh
 i=0
 for arg in "$@" ; do
 CHECK=`echo "$arg"|egrep -c "$OURCYGPATTERN" -`
 CHECK2=`echo "$arg"|egrep -c "^-"` ### Determine if an option

 if [$CHECK -ne 0] && [$CHECK2 -eq 0]; then ### Added a condition
 eval `echo args$i`=`cygpath --path --ignore --mixed "$arg"`
 else
 eval `echo args$i`="\ "$arg\"
 fi
 i=`expr $i + 1`
 done
 case $i in
 0) set -- ;;
 1) set -- "$args0" ;;
 2) set -- "$args0" "$args1" ;;
 3) set -- "$args0" "$args1" "$args2" ;;
 4) set -- "$args0" "$args1" "$args2" "$args3" ;;
 5) set -- "$args0" "$args1" "$args2" "$args3" "$args4" ;;
 6) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" ;;
 7) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" "$args6" ;;
 8) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" "$args6" "$args7" ;;
 9) set -- "$args0" "$args1" "$args2" "$args3" "$args4" "$args5" "$args6" "$args7" "$args8" ;;
 esac

```

fi

```
Escape application args
```

```
save () {
 for i do printf %s\n "$i" | sed "s/'/\\\\'/g;1s/^/';\$/\\\\' " ; done
 echo " "
}
APP_ARGS=`save "$@"`
```

```
Collect all arguments for the java command, following the shell quoting and substitution rules
eval set -- $DEFAULT_JVM_OPTS $JAVA_OPTS $GRADLE_OPTS "\-
Dorg.gradle.appname=$APP_BASE_NAME\" -classpath \"$CLASSPATH\"
org.gradle.wrapper.GradleWrapperMain "$APP_ARGS"
```

```
exec "$JAVACMD" "$@"
```

Found in path(s):

\* /opt/cola/permits/1234610874\_1638277200.56/0/template-66-zip/template/android/gradlew

# 1.352 regjsparser 0.9.1

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 *
 * @flow
 * @format
 */
```

```
'use strict';
```

```
const B64Builder = require('./B64Builder');
```

```
import type {
 BasicSourceMap,
 FBSourceMetadata,
 FBSourceFunctionMap,
} from './source-map';
```

```
/**
 * Generates a source map from raw mappings.
 *
 * Raw mappings are a set of 2, 4, or five elements:
 *
 * - line and column number in the generated source
 * - line and column number in the original source
 * - symbol name in the original source
```

```

*
* Mappings have to be passed in the order appearance in the generated source.
*/
class Generator {
 builder: B64Builder;
 last: {
 generatedColumn: number,
 generatedLine: number,
 name: number,
 source: number,
 sourceColumn: number,
 sourceLine: number,
 };
 names: IndexedSet;
 source: number;
 sources: Array<string>;
 sourcesContent: Array<?string>;
 x_facebook_sources: Array<?FBSourceMetadata>;

 constructor() {
 this.builder = new B64Builder();
 this.last = {
 generatedColumn: 0,
 generatedLine: 1, // lines are passed in 1-indexed
 name: 0,
 source: 0,
 sourceColumn: 0,
 sourceLine: 1,
 };
 this.names = new IndexedSet();
 this.source = -1;
 this.sources = [];
 this.sourcesContent = [];
 this.x_facebook_sources = [];
 }

 /**
 * Mark the beginning of a new source file.
 */
 startFile(file: string, code: string, functionMap: ?FBSourceFunctionMap) {
 this.source = this.sources.push(file) - 1;
 this.sourcesContent.push(code);
 this.x_facebook_sources.push(functionMap ? [functionMap] : null);
 }

 /**
 * Mark the end of the current source file
 */

```

```

endFile() {
 this.source = -1;
}

/**
 * Adds a mapping for generated code without a corresponding source location.
 */
addSimpleMapping(generatedLine: number, generatedColumn: number): void {
 const last = this.last;
 if (
 this.source === -1 ||
 (generatedLine === last.generatedLine &&
 generatedColumn < last.generatedColumn) ||
 generatedLine < last.generatedLine
) {
 const msg =
 this.source === -1
 ? 'Cannot add mapping before starting a file with `addFile()`'
 : 'Mapping is for a position preceding an earlier mapping';
 throw new Error(msg);
 }

 if (generatedLine > last.generatedLine) {
 this.builder.markLines(generatedLine - last.generatedLine);
 last.generatedLine = generatedLine;
 last.generatedColumn = 0;
 }

 this.builder.startSegment(generatedColumn - last.generatedColumn);
 last.generatedColumn = generatedColumn;
}

/**
 * Adds a mapping for generated code with a corresponding source location.
 */
addSourceMapping(
 generatedLine: number,
 generatedColumn: number,
 sourceLine: number,
 sourceColumn: number,
): void {
 this.addSimpleMapping(generatedLine, generatedColumn);

 const last = this.last;
 this.builder
 .append(this.source - last.source)
 .append(sourceLine - last.sourceLine)
 .append(sourceColumn - last.sourceColumn);
}

```

```

 last.source = this.source;
 last.sourceColumn = sourceColumn;
 last.sourceLine = sourceLine;
 }

 /**
 * Adds a mapping for code with a corresponding source location + symbol name.
 */
 addNamedSourceMapping(
 generatedLine: number,
 generatedColumn: number,
 sourceLine: number,
 sourceColumn: number,
 name: string,
): void {
 this.addSourceMapping(
 generatedLine,
 generatedColumn,
 sourceLine,
 sourceColumn,
);

 const last = this.last;
 const nameIndex = this.names.indexOf(name);
 this.builder.append(nameIndex - last.name);
 last.name = nameIndex;
 }

 /**
 * Return the source map as object.
 */
 toMap(
 file?: string,
 options?: {excludeSource?: boolean, ...},
): BasicSourceMap {
 let content, sourcesMetadata;

 if (options && options.excludeSource) {
 content = {};
 } else {
 content = {sourcesContent: this.sourcesContent.slice()};
 }

 if (this.hasSourcesMetadata()) {
 sourcesMetadata = {
 x_facebook_sources: JSON.parse(JSON.stringify(this.x_facebook_sources)),
 };
 }
 }

```

```

 } else {
 sourcesMetadata = {};
 }

 /* $FlowFixMe(>=0.111.0 site=react_native_fb) This comment suppresses an
 * error found when Flow v0.111 was deployed. To see the error, delete this
 * comment and run Flow. */
 return {
 version: 3,
 file,
 sources: this.sources.slice(),
 ...content,
 /* $FlowFixMe(>=0.111.0 site=react_native_fb) This comment suppresses an
 * error found when Flow v0.111 was deployed. To see the error, delete
 * this comment and run Flow. */
 ...sourcesMetadata,
 names: this.names.items(),
 mappings: this.builder.toString(),
 };
 }

 /**
 * Return the source map as string.
 *
 * This is ~2.5x faster than calling `JSON.stringify(generator.toMap())`
 */
 toString(file?: string, options?: { excludeSource?: boolean, ...}): string {
 let content, sourcesMetadata;

 if (options && options.excludeSource) {
 content = "";
 } else {
 content = `"sourcesContent":${JSON.stringify(this.sourcesContent)},`;
 }

 if (this.hasSourcesMetadata()) {
 sourcesMetadata = `"x_facebook_sources":${JSON.stringify(
 this.x_facebook_sources,
)},`;
 } else {
 sourcesMetadata = "";
 }

 return (
 '{ ' +
 `"version":3, ' +
 (file ? `"file":${JSON.stringify(file)},` : "") +
 `"sources":${JSON.stringify(this.sources)},` +

```

```

 content +
 sourcesMetadata +
 ` "names":${JSON.stringify(this.names.items())},` +
 ` "mappings": "${this.builder.toString()}"` +
 `}'
);
}

/**
 * Determine whether we need to write the `x_facebook_sources` field.
 * If the metadata is all `null`s, we can omit the field entirely.
 */
hasSourcesMetadata(): boolean {
 return this.x_facebook_sources.some(
 metadata => metadata != null && metadata.some(value => value != null),
);
}
}

class IndexedSet {
 map: Map<string, number>;
 nextIndex: number;

 constructor() {
 this.map = new Map();
 this.nextIndex = 0;
 }

 indexFor(x: string): number {
 let index = this.map.get(x);
 if (index == null) {
 index = this.nextIndex++;
 this.map.set(x, index);
 }
 return index;
 }

 items(): Array<string> {
 return Array.from(this.map.keys());
 }
}

module.exports = Generator;

Found in path(s):
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-
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 * @flow
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```

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```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-
tgz/package/src/B64Builder.js.flow
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-
tgz/package/src/composeSourceMaps.js.flow
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-
tgz/package/src/Consumer/MappingsConsumer.js.flow
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-
tgz/package/src/generateFunctionMap.js.flow
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/source-
map.js.flow
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 * @flow strict-local
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 */
```

```
'use strict';
```

```
// flowlint-next-line untyped-import:off
const util = require('source-map/lib/util');
```

```
// Extracted from source-map@0.5.6's SourceMapConsumer
function normalizeSourcePath(
 sourceInput: string,
 map: {+sourceRoot?: ?string, ...},
): string {
 const {sourceRoot} = map;
 let source = sourceInput;
```



```

source = String(source);
// Some source maps produce relative source paths like "./foo.js" instead of
// "foo.js". Normalize these first so that future comparisons will succeed.
// See bugzil.la/1090768.
source = util.normalize(source);
// Always ensure that absolute sources are internally stored relative to
// the source root, if the source root is absolute. Not doing this would
// be particularly problematic when the source root is a prefix of the
// source (valid, but why??). See github issue #199 and bugzil.la/1188982.
source =
 sourceRoot != null && util.isAbsolute(sourceRoot) && util.isAbsolute(source)
 ? util.relative(sourceRoot, source)
 : source;

return source;
}

module.exports = normalizeSourcePath;

```

Found in path(s):

```

* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-
tgz/package/src/Consumer/normalizeSourcePath.js.flow

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 */

```

```
'use strict';
```

```

function greatestLowerBound<T, U>(
 elements: $ReadOnlyArray<T>,
 target: U,
 comparator: (U, T) => number,
): ?number {
 let first = 0;
 let it = 0;
 let count = elements.length;
 let step;
 while (count > 0) {
 it = first;
 step = Math.floor(count / 2);

```

```

it = it + step;
if (comparator(target, elements[it]) >= 0) {
 first = ++it;
 count = count - (step + 1);
} else {
 count = step;
}
}
return first ? first - 1 : null;
}

```

```
module.exports = {greatestLowerBound};
```

Found in path(s):

```

* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-
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```
*
```

```
* Based on the Base 64 VLQ implementation in Closure Compiler:
```

```
* https://git.io/vymuA
```

```
*
```

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```
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```
*
```

```
* strict-local
```

```
* @format
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/types.flow.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/positionMath.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/normalizeSourcePath.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/search.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/DelegatingConsumer.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/constants.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/AbstractConsumer.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/SectionsConsumer.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-
tgz/package/src/Consumer/createConsumer.js
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-
tgz/package/src/Consumer/index.js
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```

```
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```

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*
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* @format
*/
```

```
'use strict';
```

```
// Implements an API-compatible subset of source-map's `SourceMapConsumer`.
const DelegatingConsumer = require('./DelegatingConsumer');
```

```
module.exports = DelegatingConsumer;
```

```
Found in path(s):
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-
tgz/package/src/Consumer/index.js.flow
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```

```
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```

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*
* @flow
* @format
*/
```

```
'use strict';
```

```
import type {IndexMap, IndexMapSection, MixedSourceMap} from './source-map';
```

```
const EMPTY_MAP = {
 version: 3,
 sources: [],
 names: [],
 mappings: 'A',
};
```

```

/**
 * Builds a source-mapped bundle by concatenating strings and their
 * corresponding source maps (if any).
 *
 * Usage:
 *
 * const builder = new BundleBuilder('bundle.js');
 * builder
 * .append('foo\n', fooMap)
 * .append('bar\n')
 * // ...
 * const code = builder.getCode();
 * const map = builder.getMap();
 */
class BundleBuilder {
 _file: string;
 _sections: Array<IndexMapSection>;
 _line: number;
 _column: number;
 _code: string;
 _afterMappedContent: boolean;

 constructor(file: string) {
 this._file = file;
 this._sections = [];
 this._line = 0;
 this._column = 0;
 this._code = "";
 this._afterMappedContent = false;
 }

 _pushMapSection(map: MixedSourceMap) {
 this._sections.push({
 map,
 offset: { column: this._column, line: this._line },
 });
 }

 _endMappedContent() {
 if (this._afterMappedContent) {
 this._pushMapSection(EMPTY_MAP);
 this._afterMappedContent = false;
 }
 }

 append(code: string, map: ?MixedSourceMap): this {
 if (!code.length) {

```

```

 return this;
 }
 const {lineBreaks, lastLineColumns} = measureString(code);
 if (map) {
 this._pushMapSection(map);
 this._afterMappedContent = true;
 } else {
 this._endMappedContent();
 }
 this._afterMappedContent = !!map;
 this._line = this._line + lineBreaks;
 if (lineBreaks > 0) {
 this._column = lastLineColumns;
 } else {
 this._column = this._column + lastLineColumns;
 }
 this._code = this._code + code;
 return this;
}

```

```

getMap(): MixedSourceMap {
 this._endMappedContent();
 return createIndexMap(this._file, this._sections);
}

```

```

getCode(): string {
 return this._code;
}
}

```

```

const reLineBreak = /\r\n|\r|\n/g;

```

```

function measureString(
 str: string,
): {|lineBreaks: number, lastLineColumns: number|} {
 let lineBreaks = 0;
 let match;
 let lastLineStart = 0;
 while ((match = reLineBreak.exec(str))) {
 ++lineBreaks;
 lastLineStart = match.index + match[0].length;
 }
 const lastLineColumns = str.length - lastLineStart;
 return {lineBreaks, lastLineColumns};
}

```

```

function createIndexMap(
 file: string,

```

```
sections: Array<IndexMapSection>,
): IndexMap {
 return {
 version: 3,
 file,
 sections,
 };
}

module.exports = {BundleBuilder, createIndexMap};
```

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\*/

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\* /opt/cola/permits/1662173174\_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/positionMath.js.flow

\* /opt/cola/permits/1662173174\_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/SectionsConsumer.js.flow

\* /opt/cola/permits/1662173174\_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/constants.js.flow

\* /opt/cola/permits/1662173174\_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/types.flow.js.flow

\* /opt/cola/permits/1662173174\_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/DelegatingConsumer.js.flow

\* /opt/cola/permits/1662173174\_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/createConsumer.js.flow

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\* @flow strict-local

```

* @format
*/

'use strict';

const invariant = require('invariant');

const {GENERATED_ORDER, iterationOrderToString} = require('./constants');

import type {
 SourcePosition,
 GeneratedPositionLookup,
 Mapping,
 IConsumer,
 IterationOrder,
} from './types.flow';

// Implementation details shared between MappingsConsumer and SectionsConsumer
class AbstractConsumer implements IConsumer {
 _sourceMap: {+file?: string, ...};

 constructor(sourceMap: {+file?: string, ...}) {
 this._sourceMap = sourceMap;
 }

 originalPositionFor(
 generatedPosition: GeneratedPositionLookup,
): SourcePosition {
 invariant(false, 'Not implemented');
 }

 generatedMappings(): Iterable<Mapping> {
 invariant(false, 'Not implemented');
 }

 eachMapping(
 callback: (mapping: Mapping) => mixed,
 context?: mixed = null,
 order?: IterationOrder = GENERATED_ORDER,
) {
 invariant(
 order === GENERATED_ORDER,
 `Iteration order not implemented: ${iterationOrderToString(order)}`,
);
 for (const mapping of this.generatedMappings()) {
 callback.call(context, mapping);
 }
 }
}

```



```
// flowlint unsafe-getters-setters:off
get file(): ?string {
 return this._sourceMap.file;
}
}
```

module.exports = AbstractConsumer;

Found in path(s):

\* /opt/cola/permits/1662173174\_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/AbstractConsumer.js.flow

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\* @flow

\* @format

\*/

/\*\*

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\*

\* Based on the Base 64 VLQ implementation in Closure Compiler:

\* <https://git.io/vymuA>

\*

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*/
```

```
/* eslint-disable no-bitwise */
```

```
'use strict';
```

```
// A map of values to characters for the b64 encoding
```

```
const CHAR_MAP = [
```

```
0x41,
```

```
0x42,
```

```
0x43,
```

```
0x44,
```

```
0x45,
```

```
0x46,
```

```
0x47,
```

```
0x48,
```

```
0x49,
```

```
0x4a,
```

```
0x4b,
```

```
0x4c,
```

```
0x4d,
```

```
0x4e,
```

```
0x4f,
```

```
0x50,
```

```
0x51,
```

```
0x52,
```

```
0x53,
```

```
0x54,
```

```
0x55,
```

```
0x56,
```

```
0x57,
```

```
0x58,
```

```
0x59,
```

```
0x5a,
```

```
0x61,
```

```
0x62,
```

0x63,  
0x64,  
0x65,  
0x66,  
0x67,  
0x68,  
0x69,  
0x6a,  
0x6b,  
0x6c,  
0x6d,  
0x6e,  
0x6f,  
0x70,  
0x71,  
0x72,  
0x73,  
0x74,  
0x75,  
0x76,  
0x77,  
0x78,  
0x79,  
0x7a,  
0x30,  
0x31,  
0x32,  
0x33,  
0x34,  
0x35,  
0x36,  
0x37,  
0x38,  
0x39,  
0x2b,  
0x2f,  
];

```
// A single base 64 digit can contain 6 bits of data. For the base 64 variable
// length quantities we use in the source map spec, the first bit is the sign,
// the next four bits are the actual value, and the 6th bit is the
// continuation bit. The continuation bit tells us whether there are more
// digits in this value following this digit.
//
// Continuation
// | Sign
// | |
// V V
```

```

// 101011

const VLQ_BASE_SHIFT = 5;

// binary: 100000
const VLQ_BASE = 1 << VLQ_BASE_SHIFT;

// binary: 011111
const VLQ_BASE_MASK = VLQ_BASE - 1;

// binary: 100000
const VLQ_CONTINUATION_BIT = VLQ_BASE;

/**
 * Converts from a two-complement value to a value where the sign bit is
 * placed in the least significant bit. For example, as decimals:
 * 1 becomes 2 (10 binary), -1 becomes 3 (11 binary)
 * 2 becomes 4 (100 binary), -2 becomes 5 (101 binary)
 */
function toVLQSigned(value) {
 return value < 0 ? (-value << 1) + 1 : (value << 1) + 0;
}

/**
 * Encodes a number to base64 VLQ format and appends it to the passed-in buffer
 *
 * DON'T USE COMPOUND OPERATORS (eg `>>>=`) ON `let`-DECLARED VARIABLES!
 * V8 WILL DEOPTIMIZE THIS FUNCTION AND MAP CREATION WILL BE 25% SLOWER!
 *
 * DON'T ADD MORE COMMENTS TO THIS FUNCTION TO KEEP ITS LENGTH SHORT ENOUGH FOR
 * V8 OPTIMIZATION!
 */
function encode(value: number, buffer: Buffer, position: number): number {
 let vlq = toVLQSigned(value);
 let digit;
 do {
 digit = vlq & VLQ_BASE_MASK;
 vlq = vlq >>> VLQ_BASE_SHIFT;
 if (vlq > 0) {
 // There are still more digits in this value, so we must make sure the
 // continuation bit is marked.
 digit = digit | VLQ_CONTINUATION_BIT;
 }
 buffer[position++] = CHAR_MAP[digit];
 } while (vlq > 0);

 return position;
}

```

```
module.exports = encode;
```

Found in path(s):

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/encode.js.flow
```

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```
/**
```

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```
*
```

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```
*
```

```
*
```

```
* @format
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/BundleBuilder.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/source-map.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Generator.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/composeSourceMaps.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/generateFunctionMap.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/Consumer/MappingsConsumer.js
```

```
* /opt/cola/permits/1662173174_1683107370.4630582/0/metro-source-map-0-59-0-2-tgz/package/src/B64Builder.js
```

# 1.360 core-js-compat 3.30.1

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## 1.361 destroy 1.2.0

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## 1.362 @babel/plugin-transform-modules-amd

### 7.20.11

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## 1.363 ms 2.1.3

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## 1.364 json-parse 1.3.1

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## 1.366 p-locate 3.0.0

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## 1.367 libcxx 6.0.2svn

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## 1.368 @types/node 17.0.45

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## 1.369 types-istanbul-lib-coverage 2.0.4

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## 1.370 on-finished 2.4.1

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# 1.371 icu 58

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```
-makefile-
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Commands to generate dependency files
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

Shared object suffix
SO = so

Non-shared intermediate object suffix
STATIC_O = ao

Compilation rules
%.${STATIC_O}: $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.${STATIC_O}: $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
```

```
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $$@ $<
```

```
Dependency rules
```

```
%.d: $(srcdir)/%.c
```

```
@echo "generating dependency information for $<"
```

```
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
```

```
| sed "s^\($*\)\.o[:]*/\1.o $$@ : /g\" > $$@; \
```

```
[-s $$@] || rm -f $$@'
```

```
%.d: $(srcdir)/%.cpp
```

```
@echo "generating dependency information for $<"
```

```
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
```

```
| sed "s^\($*\)\.o[:]*/\1.o $$@ : /g\" > $$@; \
```

```
[-s $$@] || rm -f $$@'
```

```
Versioned libraries rules
```

```
%.${SO}.${SO_TARGET_VERSION_MAJOR}: %.${SO}.${SO_TARGET_VERSION}
```

```
$(RM) $$@ && ln -s ${<F} $$@
```

```
%.${SO}: %.${SO}.${SO_TARGET_VERSION_MAJOR}
```

```
$(RM) $$@ && ln -s ${*F}.${SO}.${SO_TARGET_VERSION} $$@
```

```
Bind internal references
```

```
LDFlags that pkgdata will use
```

```
BIR_LDFLAGS= -Wl,-Bsymbolic
```

```
Dependencies [i.e. map files] for the final library
```

```
BIR_DEPS=
```

```
Remove shared library 's'
```

```
STATIC_PREFIX_WHEN_USED =
```

```
STATIC_PREFIX =
```

```
End BSD-specific setup
```

```
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```

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# 1.381 argparse 1.0.10

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## 1.382 cliui 6.0.0

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## 1.384 yargs-parser 18.1.3

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## 1.385 @babel/types 7.21.5



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## 1.389 nodelib-fs-scandir 2.1.5

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- \* by removing the patch and match functionality and certain advanced
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- \*
- \* ====
- \*
- \* Diff Match and Patch
- \*

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Found in path(s):

\* /opt/cola/permits/1192537190\_1629238385.79/0/fast-diff-1-2-0-6-tgz/package/diff.js

# 1.391 commons-cli 1.3.1

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# 1.392 @babel/helper-skip-transparent-expression-wrappers 7.20.0

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## 1.393 is-bigint 1.0.4

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## 1.394 yallist 2.1.2

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## 1.399 jest-validate 24.9.0

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## 1.402 @babel/plugin-transform-modules-commonjs 7.21.5

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# 1.404 types-eslint-visitor-keys 1.0.0

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\*/

/\*\*

\* Creates a new {@link GeneratorAdapter}. *Subclasses must not use this*

\* constructor*.* Instead, they must use the

\* {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}

\* version.

\*

```
* @param mv
* the method visitor to which this adapter delegates calls.
* @param access
* the method's access flags (see { @link Opcodes}).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see { @link Type Type}).
* @throws IllegalStateException
* If a subclass calls this constructor.
*/
```

Found in path(s):

```
*/opt/cola/permits/1138554392_1614291227.62/0/asm-6-0-sources-1-
jar/org/objectweb/asm/commons/GeneratorAdapter.java
```

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```
/**
```

```
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*/
```

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\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/util/Textifiable.java

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\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/package.html  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/package.html  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/package.html  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/signature/package.html  
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/\*\*

\* Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must  
\* not use this constructor</i>. Instead, they must use the  
\* {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}  
\* version.

\*

\* @param typeRef

\* a reference to the annotated type. See {@link TypeReference}.

\* @param typePath

\* the path to the annotated type argument, wildcard bound, array  
\* element type, or static inner type within 'typeRef'. May be  
\* <tt>null</tt> if the annotation targets 'typeRef' as a whole.

\* @param start

\* the first instructions corresponding to the continuous ranges  
\* that make the scope of this local variable (inclusive).

\* @param end

\* the last instructions corresponding to the continuous ranges  
\* that make the scope of this local variable (exclusive). This  
\* array must have the same size as the 'start' array.

\* @param index

\* the local variable's index in each range. This array must have  
\* the same size as the 'start' array.

\* @param desc

\* the class descriptor of the annotation class.

\*/

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jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java

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\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
 jar/org/objectweb/asm/commons/SimpleRemapper.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
 jar/org/objectweb/asm/tree/InnerClassNode.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/CurrentFrame.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/FrameNode.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/InsnNode.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
 jar/org/objectweb/asm/tree/analysis/AnalyzerException.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
 jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
 jar/org/objectweb/asm/tree/ModuleOpenNode.java  
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 jar/org/objectweb/asm/tree/ParameterNode.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
 jar/org/objectweb/asm/commons/RemappingFieldAdapter.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
 jar/org/objectweb/asm/util/TraceModuleVisitor.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/MethodWriter.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
 jar/org/objectweb/asm/tree/analysis/Analyzer.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
 jar/org/objectweb/asm/util/CheckModuleAdapter.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/Frame.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/MethodVisitor.java  
 \* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-

jar/org/objectweb/asm/tree/ModuleProvideNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/tree/analysis/Frame.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/FieldWriter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/IntInsnNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/FieldNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/tree/analysis/SmallSet.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/tree/AbstractInsnNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/tree/ModuleExportNode.java  
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jar/org/objectweb/asm/commons/Remapper.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/commons/FieldRemapper.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/commons/RemappingClassAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/AnnotationWriter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/InsnNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/LabelNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/util/ASMifier.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/util/CheckMethodAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/commons/ModuleResolutionAttribute.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/commons/InstructionAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/util/CheckFieldAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/tree/TableSwitchInsnNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/util/TraceMethodVisitor.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/commons/MethodRemapper.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/ModuleWriter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/ByteVector.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/util/TraceFieldVisitor.java

\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/Label.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/Method.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tools/Retrofitter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/VarInsnNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/Edge.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/AnnotationRemapper.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/ClassReader.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/util/CheckSignatureAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/InsnList.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/AnnotationVisitor.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/MethodInsnNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/util/TraceSignatureVisitor.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/util/CheckClassAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/util/TraceClassVisitor.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/AdviceAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/ModuleRequireNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/BasicValue.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/Type.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/ModuleTargetAttribute.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/Opcodes.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/Context.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/ModuleNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/LineNumberNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/AnnotationNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/Value.java

\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/FieldVisitor.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/TypeInsnNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/ModuleRemapper.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/signature/SignatureReader.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/TypeAnnotationNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/SourceValue.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/Handler.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/ClassVisitor.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/LdcInsnNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/util/Printer.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/Subroutine.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/MethodNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/signature/SignatureWriter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/ClassRemapper.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/FieldInsnNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/analysis/Interpreter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tools/ModuleInfoBndPlugin.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/TableSwitchGenerator.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/LocalVariablesSorter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/SignatureRemapper.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/LocalVariableNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/Item.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/JumpInsnNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-

jar/org/objectweb/asm/util/CheckAnnotationAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/commons/ModuleHashesAttribute.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/Handle.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/Attribute.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/ModuleVisitor.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/tree/TryCatchBlockNode.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/commons/StaticInitMerger.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/ClassWriter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/signature/SignatureVisitor.java  
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\*/

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\* Creates a new JSRInliner. <i>Subclasses must not use this

```

* constructor</i>. Instead, they must use the
* { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
* version.
*
* @param mv
* the <code>MethodVisitor</code> to send the resulting inlined
* method code to (use <code>>null</code> for none).
* @param access
* the method's access flags (see { @link Opcodes}). This
* parameter also indicates if the method is synthetic and/or
* deprecated.
* @param name
* the method's name.
* @param desc
* the method's descriptor (see { @link Type}).
* @param signature
* the method's signature. May be <tt>>null</tt>.
* @param exceptions
* the internal names of the method's exception classes (see
* { @link Type#getInternalName() getInternalName}). May be
* <tt>>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

```

Found in path(s):

```

* /opt/cola/permits/1138554392_1614291227.62/0/asm-6-0-sources-1-
jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/xml/SAXModuleAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/xml/SAXFieldAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/xml/ASMContentHandler.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/xml/SAXAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/xml/Processor.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/xml/SAXClassAdapter.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/xml/SAXCodeAdapter.java

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\* Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this  
\* constructor</i>. Instead, they must use the  
\* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}  
\* version.  
\*  
\* @param owner  
\*     the owner's class name.  
\* @param access  
\*     the method's access flags (see {@link Opcodes}).  
\* @param name  
\*     the method's name.  
\* @param desc  
\*     the method's descriptor (see {@link Type Type}).  
\* @param mv  
\*     the method visitor to which this adapter delegates calls. May  
\*     be <tt>null</tt>.  
\* @throws IllegalStateException  
\*     If a subclass calls this constructor.  
\*/

Found in path(s):

\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-  
jar/org/objectweb/asm/commons/AnalyzerAdapter.java

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\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/TypePath.java  
\* /opt/cola/permits/1138554392\_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/TypeReference.java  
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*/
/**
```

```
 * Constructs a new {@link Textifier}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #Textifier(int)}
 * version.
 *
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */
```

Found in path(s):

```
*/opt/cola/permits/1138554392_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/util/Textifier.java
```

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```
/**
```

```
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*/
/**
```

```
 * Constructs a new {@link ClassNode}. <i>Subclasses must not use this
```

```
* constructor</i>. Instead, they must use the { @link #ClassNode(int)}
* version.
*
* @throws IllegalStateException
* If a subclass calls this constructor.
*/
```

Found in path(s):

```
* /opt/cola/permits/1138554392_1614291227.62/0/asm-6-0-sources-1-jar/org/objectweb/asm/tree/ClassNode.java
```

## 1.410 @jridgewell/sourcemap-codec 1.4.14

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 */
```

```

* @flow
* @format
*/

'use strict';

module.exports = (async () => {
 const defaultConfig = await require('./index')('/path/to/project');
 const validConfig = {
 ...defaultConfig,
 resolver: {
 ...defaultConfig.resolver,
 resolveRequest: function CustomResolver() {},
 hasteImplModulePath: './path',
 },
 transformer: {
 ...defaultConfig.transformer,
 getTransformOptions: function getTransformOptions() {},
 },
 serializer: {
 ...defaultConfig.serializer,
 customSerializer: function customSerializer() {},
 },
 };

 return validConfig;
}: () => any);

```

Found in path(s):

```

* /opt/cola/permits/1662172919_1683107476.8612387/0/metro-config-0-59-0-1-
tgz/package/src/defaults/validConfig.js.flow

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```

```

*

```

```

* @format

```

```

* @flow strict-local

```

```

*/

```

Found in path(s):

```

* /opt/cola/permits/1662172919_1683107476.8612387/0/metro-config-0-59-0-1-
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 * strict-local
 * @format
 */
```

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```
*/opt/cola/permits/1662172919_1683107476.8612387/0/metro-config-0-59-0-1-tgz/package/src/index.js
```

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 *
 * @format
 */
```

Found in path(s):

```
*/opt/cola/permits/1662172919_1683107476.8612387/0/metro-config-0-59-0-1-tgz/package/src/loadConfig.js
*/opt/cola/permits/1662172919_1683107476.8612387/0/metro-config-0-59-0-1-tgz/package/src/defaults/index.js
*/opt/cola/permits/1662172919_1683107476.8612387/0/metro-config-0-59-0-1-
tgz/package/src/defaults/validConfig.js
```

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 *
 * @flow strict-local
 * @format
 */
```

```
'use strict';
```

```
const getDefaultConfig = require('./defaults');
```

```
const {loadConfig, resolveConfig, mergeConfig} = require('./loadConfig');
```

```
module.exports = {
```

```
loadConfig,
resolveConfig,
mergeConfig,
getDefaultConfig,
};
```

Found in path(s):

\* /opt/cola/permits/1662172919\_1683107476.8612387/0/metro-config-0-59-0-1-tgz/package/src/index.js.flow  
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```
*
```

```
* strict
```

```
* @format
```

```
*/
```

Found in path(s):

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```
*
```

```
* @format
```

```
* strict-local
```

```
*/
```

Found in path(s):

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```

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```
*
```

```
* @flow
```

```
* @format
```

```
*/
```



Found in path(s):

\* /opt/cola/permits/1662172919\_1683107476.8612387/0/metro-config-0-59-0-1-tgz/package/src/defaults/index.js.flow

\* /opt/cola/permits/1662172919\_1683107476.8612387/0/metro-config-0-59-0-1-tgz/package/src/loadConfig.js.flow

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\* @format

\*/

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\*

\* @flow strict

\* @format

\*/

'use strict';

const defaultCreateModuleIdFactory = require('metro/src/lib/createModuleIdFactory');

exports.assetExts = [

// Image formats

'bmp',

'gif',

'jpg',

'jpeg',

'png',

'psd',

'svg',

'webp',

// Video formats

'm4v',

'mov',

'mp4',

```

'mpeg',
'mpg',
'webm',
// Audio formats
'aac',
'aiff',
'caf',
'm4a',
'mp3',
'wav',
// Document formats
'html',
'json',
'pdf',
'yaml',
'yml',
// Font formats
'otf',
'ttf',
// Archives (virtual files)
'zip',
];

exports.assetResolutions = ['1', '1.5', '2', '3', '4'];

exports.sourceExts = ['.js', '.json', '.ts', '.tsx'];

exports.moduleSystem = (require.resolve(
 'metro/src/lib/polyfills/require.js',
): string);

exports.platforms = ['ios', 'android', 'windows', 'web'];

exports.DEFAULT_METRO_MINIFIER_PATH = 'metro-minify-uglify';

exports.defaultCreateModuleIdFactory = defaultCreateModuleIdFactory;

Found in path(s):
* /opt/cola/permits/1662172919_1683107476.8612387/0/metro-config-0-59-0-1-
tgz/package/src/defaults/defaults.js.flow

```

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\* /opt/cola/permits/1110635849\_1607035374.31/0/imurmurhash-0-1-4-4-tgz/package/README.md

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## 1.424 @babel/plugin-transform-new-target

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# rc-progress

Progress Bar.

```
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## ## Example

<http://react-component.github.io/progress/>

## ## Screenshots

```

```

## ## Browsers

\* support IE9+, Chrome, Firefox, Safari

## ## Install

```
[![rc-progress](https://nodei.co/npm/rc-progress.png)](https://npmjs.org/package/rc-progress)
```

## ## Usage

```
```jsx
```

```
import { Line, Circle } from 'rc-progress';
```

```
ReactDOM.render(<div>
```

```
  <Line percent="10" strokeWidth="4" strokeColor="#D3D3D3" />
```

```
  <Circle percent="10" strokeWidth="4" strokeColor="#D3D3D3" />
```

```
</div>, container);
```

```
```
```

## ## API

### ### props

```
<table class="table table-bordered table-striped">
```

```
<thead>
```

```
<tr>
```

```
 <th style="width: 100px;">name</th>
```

```
 <th style="width: 50px;">type</th>
```

```
 <th style="width: 50px;">default</th>
```

```
 <th>description</th>
```

```
</tr>
```

```
</thead>
```

```
<tbody>
```

```
<tr>
```



strokeWidth	Number	1	Width of the stroke. Unit is percentage of SVG canvas size.
strokeColor	String	#2db7f5	Stroke color.
trailWidth	Number	1	Width of the trail stroke. Unit is percentage of SVG canvas size. Trail is always centered relative to actual progress path. If trailWidth are not defined, it same as strokeWidth.
trailColor	String	#D9D9D9	Color for lighter trail stroke underneath the actual progress path.
strokeLinecap	String	round	The shape to be used at the end of the progress bar, can be square or round.
prefixCls	String	rc-progress	prefix className for component
className	String		customized className
style	Object		style object will be added to svg element

```
</tbody>
```

```
</table>
```

## ## Installation

```
...
```

```
npm install --save rc-progress
```

```
...
```

## ## Development

```
...
```

```
npm install
```

```
npm start
```

```
...
```

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Found in path(s):

```
* /opt/cola/permits/1237622726_1638828129.29/0/react-component-progress-2-0-3-0-ga727336-tar-gz/react-component-progress-a727336/README.md
```

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# 1.446 node-int64 0.4.0

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## 1.449 is-callable 1.2.7

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## 1.453 @babel/plugin-transform-react-display-name 7.18.6

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# 1.456 globals 11.12.0

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# 1.457 fast-glob 3.2.12

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# 1.458 metro-react-native-babel-preset 0.59.0

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 * @format
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```

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```
* /opt/cola/permits/1662173077_1683108190.5071507/0/metro-react-native-babel-preset-0-59-0-2-
tgz/package/src/passthrough-syntax-plugins.js
* /opt/cola/permits/1662173077_1683108190.5071507/0/metro-react-native-babel-preset-0-59-0-2-
tgz/package/src/index.js
* /opt/cola/permits/1662173077_1683108190.5071507/0/metro-react-native-babel-preset-0-59-0-2-
tgz/package/src/configs/hmr.js
* /opt/cola/permits/1662173077_1683108190.5071507/0/metro-react-native-babel-preset-0-59-0-2-
tgz/package/src/configs/main.js
* /opt/cola/permits/1662173077_1683108190.5071507/0/metro-react-native-babel-preset-0-59-0-2-
tgz/package/src/configs/lazy-imports.js
```

# 1.459 through 2.3.8

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## 1.460 string-prototype-trimstart 1.0.6

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\* /opt/cola/permits/1110639655\_1606843085.09/0/ws-1-1-5-2-tgz/package/README.md

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```
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*/
```

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```
* /opt/cola/permits/1110639655_1606843085.09/0/ws-1-1-5-2-tgz/package/lib/ErrorCodes.js
* /opt/cola/permits/1110639655_1606843085.09/0/ws-1-1-5-2-tgz/package/lib/Sender.js
* /opt/cola/permits/1110639655_1606843085.09/0/ws-1-1-5-2-tgz/package/lib/Receiver.js
* /opt/cola/permits/1110639655_1606843085.09/0/ws-1-1-5-2-tgz/package/lib/BufferUtil.fallback.js
* /opt/cola/permits/1110639655_1606843085.09/0/ws-1-1-5-2-tgz/package/lib/BufferUtil.js
* /opt/cola/permits/1110639655_1606843085.09/0/ws-1-1-5-2-tgz/package/lib/BufferPool.js
* /opt/cola/permits/1110639655_1606843085.09/0/ws-1-1-5-2-tgz/package/lib/WebSocketServer.js
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* /opt/cola/permits/1110639655_1606843085.09/0/ws-1-1-5-2-tgz/package/lib/Validation.fallback.js
* /opt/cola/permits/1110639655_1606843085.09/0/ws-1-1-5-2-tgz/package/lib/Sender.hixie.js
* /opt/cola/permits/1110639655_1606843085.09/0/ws-1-1-5-2-tgz/package/lib/Validation.js
* /opt/cola/permits/1110639655_1606843085.09/0/ws-1-1-5-2-tgz/package/lib/Receiver.hixie.js
```

# 1.463 string-prototype-matchall 4.0.8

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# 1.464 javascriptcore r245459

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## 1.469 eslint-visitor-keys 2.1.0

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## 1.473 exec-sh 0.3.6

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## 1.474 hermes-inspector-msggen 1.0.0

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 * @flow
 * @format
 */
```

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```
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/src/ImplementationWriter.js
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/src/HeaderWriter.js
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/src/Event.js
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/src/Command.js
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/src/Property.js
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/src/GeneratedHeader.js
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/src/Type.js
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/src/index.js
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* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/__tests__/GraphTest.js
```



```
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/__tests__/HeaderWriterTest.js
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/__tests__/CommandTest.js
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/__tests__/EventTest.js
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/__tests__/ImplementationWriterTest.js
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/__tests__/PropertyTest.js
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/__tests__/TypeTest.js
```

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```
*
```

```
* @flow strict-local
```

```
* @format
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/src/Graph.js
```

```
* /opt/cola/permits/1234610898_1638277227.57/0/msggen-zip/msggen/src/Converters.js
```

# 1.475 metro-inspector-proxy 0.59.0

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```
*
```

```
*
```

```
* @format
```

```
*/
```

```
// more details.
```

Found in path(s):

```
* /opt/cola/permits/1662172953_1683107961.256749/0/metro-inspector-proxy-0-59-0-2-tgz/package/src/Device.js
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```

*
* @flow
* @format
*/

'use strict';

const Device = require('./Device');
const WS = require('ws');

const debug = require('debug')('Metro:InspectorProxy');
const url = require('url');

import type {
 JsonPagesListResponse,
 JsonVersionResponse,
 Page,
 PageDescription,
} from './types';
import type {Server as HttpServer, IncomingMessage, ServerResponse} from 'http';
import type {Server as HttpsServer} from 'https';

const WS_DEVICE_URL = '/inspector/device';
const WS_DEBUGGER_URL = '/inspector/debug';
const PAGES_LIST_JSON_URL = '/json';
const PAGES_LIST_JSON_URL_2 = '/json/list';
const PAGES_LIST_JSON_VERSION_URL = '/json/version';

const INTERNAL_ERROR_CODE = 1011;

/**
 * Main Inspector Proxy class that connects JavaScript VM inside Android/iOS apps and JS debugger.
 */
class InspectorProxy {
 // Maps device ID to Device instance.
 _devices: Map<number, Device>;

 // Internal counter for device IDs -- just gets incremented for each new device.
 _deviceCounter: number = 0;

 // We store server's address with port (like '127.0.0.1:8081') to be able to build URLs
 // (devtoolsFrontendUrl and websocketDebuggerUrl) for page descriptions. These URLs are used
 // by debugger to know where to connect.
 _serverAddressWithPort: string = "";

 constructor() {
 this._devices = new Map();
 }

```

```

// Process HTTP request sent to server. We only respond to 2 HTTP requests:
// 1. /json/version returns Chrome debugger protocol version that we use
// 2. /json and /json/list returns list of page descriptions (list of inspectable apps).
// This list is combined from all the connected devices.
processRequest(
 request: IncomingMessage,
 response: ServerResponse,
 next: (?Error) => mixed,
) {
 if (
 request.url === PAGES_LIST_JSON_URL ||
 request.url === PAGES_LIST_JSON_URL_2
) {
 // Build list of pages from all devices.
 let result = [];
 Array.from(this._devices.entries()).forEach(
 ([deviceId: number, device: Device]) => {
 result = result.concat(
 device
 .getPagesList()
 .map((page: Page) =>
 this._buildPageDescription(deviceId, device, page),
),
);
 },
);

 this._sendJsonResponse(response, result);
 } else if (request.url === PAGES_LIST_JSON_VERSION_URL) {
 this._sendJsonResponse(response, {
 Browser: 'Mobile JavaScript',
 'Protocol-Version': '1.1',
 });
 } else {
 next();
 }
}

// Adds websocket listeners to the provided HTTP/HTTPS server.
addWebSocketListener(server: HttpServer | HttpsServer) {
 const {port} = server.address();
 if (server.address().family === 'IPv6') {
 this._serverAddressWithPort = `[::]:${port}`;
 } else {
 this._serverAddressWithPort = `localhost:${port}`;
 }
 this._addDeviceConnectionHandler(server);
}

```

```

 this._addDebuggerConnectionHandler(server);
 }

 // Converts page information received from device into PageDescription object
 // that is sent to debugger.
 _buildPageDescription(
 deviceId: number,
 device: Device,
 page: Page,
): PageDescription {
 const debuggerUrl = `${
 this._serverAddressWithPort
 }${WS_DEBUGGER_URL}?device=${deviceId}&page=${page.id}`;
 const websocketDebuggerUrl = 'ws://' + debuggerUrl;
 const devtoolsFrontendUrl =
 'chrome-devtools://devtools/bundled/inspector.html?experiments=true&v8only=true&ws=' +
 encodeURIComponent(debuggerUrl);
 return {
 id: `${deviceId}-${page.id}`,
 description: page.app,
 title: page.title,
 faviconUrl: 'https://reactjs.org/favicon.ico',
 devtoolsFrontendUrl,
 type: 'node',
 websocketDebuggerUrl,
 vm: page.vm,
 };
 }

 // Sends object as response to HTTP request.
 // Just serializes object using JSON and sets required headers.
 _sendJsonResponse(
 response: ServerResponse,
 object: JsonPagesListResponse | JsonVersionResponse,
) {
 const data = JSON.stringify(object, null, 2);
 response.writeHead(200, {
 'Content-Type': 'application/json; charset=UTF-8',
 'Cache-Control': 'no-cache',
 'Content-Length': data.length.toString(),
 Connection: 'close',
 });
 response.end(data);
 }

 // Adds websocket handler for device connections.
 // Device connects to /inspector/device and passes device and app names as
 // HTTP GET params.

```

```

// For each new websocket connection we parse device and app names and create
// new instance of Device class.
_addDeviceConnectionHandler(server: HttpServer | HttpsServer) {
 const wss = new WS.Server({
 server,
 path: WS_DEVICE_URL,
 perMessageDeflate: true,
 });
 wss.on('connection', async (socket: WS) => {
 try {
 const query = url.parse(socket.upgradeReq.url || "", true).query || {};
 const deviceName = query.name || 'Unknown';
 const appName = query.app || 'Unknown';
 const deviceId = this._deviceCounter++;
 this._devices.set(
 deviceId,
 new Device(deviceId, deviceName, appName, socket),
);

 debug(`Got new connection: device=${deviceName}, app=${appName}`);

 socket.on('close', () => {
 this._devices.delete(deviceId);
 debug(`Device ${deviceName} disconnected.`);
 });
 } catch (e) {
 console.error('error', e);
 socket.close(INTERNAL_ERROR_CODE, e);
 }
 });
}

// Adds websocket handler for debugger connections.
// Debugger connects to websocketDebuggerUrl that we return as part of page description
// in /json response.
// When debugger connects we try to parse device and page IDs from the query and pass
// websocket object to corresponding Device instance.
_addDebuggerConnectionHandler(server: HttpServer | HttpsServer) {
 const wss = new WS.Server({
 server,
 path: WS_DEBUGGER_URL,
 perMessageDeflate: false,
 });
 wss.on('connection', async (socket: WS) => {
 try {
 const query = url.parse(socket.upgradeReq.url || "", true).query || {};
 const deviceId = query.device;
 const pageId = query.page;

```

```

if (deviceId == null || pageId == null) {
 throw new Error('Incorrect URL - must provide device and page IDs');
}

const device = this._devices.get(parseInt(deviceId, 10));
if (device == null) {
 throw new Error('Unknown device with ID ' + deviceId);
}

device.handleDebuggerConnection(socket, pageId);
} catch (e) {
 console.error(e);
 socket.close(INTERNAL_ERROR_CODE, e);
}
});
}
}

```

```
module.exports = InspectorProxy;
```

Found in path(s):

```
* /opt/cola/permits/1662172953_1683107961.256749/0/metro-inspector-proxy-0-59-0-2-
tgz/package/src/InspectorProxy.js.flow
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```
*
```

```
* @flow
```

```
* @format
```

```
*/
```

```
'use strict';
```

```
// Page information received from the device. New page is created for
// each new instance of VM and can appear when user reloads React Native
// application.
```

```
export type Page = {
```

```
 id: string,
```

```
 title: string,
```

```
 vm: string,
```

```
 app: string,
```

```
 ...
```

```
};
```

```

// Chrome Debugger Protocol message/event passed between device and debugger.
export type WrappedEvent = {
 event: 'wrappedEvent',
 payload: {
 pageId: string,
 wrappedEvent: string,
 ...
 },
 ...
};

// Request sent from Inspector Proxy to Device when new debugger is connected
// to particular page.
export type ConnectRequest = {
 event: 'connect',
 payload: { pageId: string, ... },
 ...
};

// Request sent from Inspector Proxy to Device to notify that debugger is
// disconnected.
export type DisconnectRequest = {
 event: 'disconnect',
 payload: { pageId: string, ... },
 ...
};

// Request sent from Inspector Proxy to Device to get a list of pages.
export type GetPagesRequest = { event: 'getPages', ... };

// Response to GetPagesRequest containing a list of page infos.
export type GetPagesResponse = {
 event: 'getPages',
 payload: Array<Page>,
 ...
};

// Union type for all possible messages sent from device to Inspector Proxy.
export type MessageFromDevice =
 | GetPagesResponse
 | WrappedEvent
 | DisconnectRequest;

// Union type for all possible messages sent from Inspector Proxy to device.
export type MessageToDevice =
 | GetPagesRequest
 | WrappedEvent

```

```

| ConnectRequest
| DisconnectRequest;

// Page description object that is sent in response to /json HTTP request from debugger.
export type PageDescription = {
 id: string,
 description: string,
 title: string,
 faviconUrl: string,
 devtoolsFrontendUrl: string,
 type: string,
 websocketDebuggerUrl: string,
 ...
};
export type JsonPagesListResponse = Array<PageDescription>;

// Response to /json/version HTTP request from the debugger specifying browser type and
// Chrome protocol version.
export type JsonVersionResponse = {
 Browser: string,
 'Protocol-Version': string,
 ...
};

```

Found in path(s):

```
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* /opt/cola/permits/1662172953_1683107961.256749/0/metro-inspector-proxy-0-59-0-2-tgz/package/src/cli.js
* /opt/cola/permits/1662172953_1683107961.256749/0/metro-inspector-proxy-0-59-0-2-tgz/package/src/index.js
* /opt/cola/permits/1662172953_1683107961.256749/0/metro-inspector-proxy-0-59-0-2-tgz/package/src/InspectorProxy.js

```

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```

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* @format
*/
```

```
'use strict';
```

```
const InspectorProxy = require('./InspectorProxy');
```

```
// Runs new HTTP Server and attaches Inspector Proxy to it.
// Requires are inlined here because we don't want to import them
// when someone needs only InspectorProxy instance (without starting
// new HTTP server).
```

```
function runInspectorProxy(port: number) {
 const inspectorProxy = new InspectorProxy();
 const app = require('connect')();
 app.use(inspectorProxy.processRequest.bind(inspectorProxy));
```

```
 const httpServer = require('http').createServer(app);
 httpServer.listen(port, '127.0.0.1', () => {
 inspectorProxy.addWebSocketListener(httpServer);
 });
}
```

```
module.exports = {InspectorProxy, runInspectorProxy};
```

Found in path(s):

```
* /opt/cola/permits/1662172953_1683107961.256749/0/metro-inspector-proxy-0-59-0-2-
```

tgz/package/src/index.js.flow

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```
*
```

```
* @flow
```

```
* @format
```

```
*/
```

```
'use strict';
```

```
const yargs = require('yargs');
```

```
const {runInspectorProxy} = require('./index');
```

```
yargs.option('port', {
 alias: 'p',
 describe: 'port to run inspector proxy on',
 type: 'number',
 default: 8081,
});
```

```
runInspectorProxy((yargs.argv.port: any));
```

Found in path(s):

```
* /opt/cola/permits/1662172953_1683107961.256749/0/metro-inspector-proxy-0-59-0-2-tgz/package/src/cli.js.flow
```

# 1.476 strip-ansi 4.0.0

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## 1.477 fancy-log 1.3.3

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## 1.478 interpret 1.4.0

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## 1.479 has-flag 4.0.0

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## 1.480 which-boxed-primitive 1.0.2

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## 1.482 babel-plugin-proposal-dynamic-import

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## 1.483 @babel/helper-optimise-call-expression

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## 1.488 typescript-eslint-typescript-estree

### 3.10.1

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Originally extracted from:

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## 1.489 object.values 1.1.6

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## 1.490 ansi-styles 3.2.1

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# 1.492 jest-util 24.9.0

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# 1.496 type-fest 0.8.1

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## 1.500 @babel/plugin-transform-react-jsx-development 7.18.6

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This package was debianized by Google Inc. <opensource@google.com> on
13 June 2008.
```

It was downloaded from <https://github.com/google/glog>

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## 1.515 enquirer 2.3.6

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## 1.529 eslint-visitor-keys 1.3.0

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## 1.530 @babel/plugin-proposal-numeric-separator 7.18.6

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# 1.547 babel-plugin-transform-flow-strip-types

## 7.21.0

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## 1.557 supports-preserve-symlinks-flag 1.0.0

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/\*\*

\* Creates a new {@link AnalyzerAdapter}. *Subclasses must not use this*

\* constructor*.* Instead, they must use the

\* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}

\* version.

\*

\* @param owner

\* the owner's class name.

\* @param access

\* the method's access flags (see {@link Opcodes}).

\* @param name

\* the method's name.

\* @param desc

```
* the method's descriptor (see { @link Type Type}).
* @param mv
* the method visitor to which this adapter delegates calls. May
* be <tt>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/
```

Found in path(s):

```
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/commons/AnalyzerAdapter.java
```

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```

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```
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jar/org/objectweb/asm/util/Textifiable.java
```

```
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/util/ASMifiable.java
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```
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/xml/SAXModuleAdapter.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/xml/ASMContentHandler.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/xml/SAXAdapter.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/xml/SAXFieldAdapter.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/xml/Processor.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
```

jar/org/objectweb/asm/xml/SAXCodeAdapter.java

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jar/org/objectweb/asm/TypePath.java

\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-

jar/org/objectweb/asm/TypeReference.java

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- \* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/package.html
- \* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/package.html
- \* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/signature/package.html
- \* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/package.html
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*/
/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
 * version.
 *
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>>null</code> for none).
 * @param access
 * the method's access flags (see { @link Opcodes}). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see { @link Type}).
 * @param signature
 * the method's signature. May be <tt>>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * { @link Type#getInternalName() getInternalName}). May be
 * <tt>>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

```

Found in path(s):

```

* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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/\*\*

```
* Constructs a new {@link ClassNode}. Subclasses must not use this
* constructor. Instead, they must use the {@link #ClassNode(int)}
* version.
*
* @throws IllegalStateException
* If a subclass calls this constructor.
*/
```

Found in path(s):

```
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/tree/ClassNode.java
```

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/\*\*

\* Constructs a new {@link LocalVariableAnnotationNode}. *<i>*Subclasses must  
 \* not use this constructor*</i>*. Instead, they must use the  
 \* {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}  
 \* version.

\*

\* @param typeRef  
 \* a reference to the annotated type. See {@link TypeReference}.

\* @param typePath  
 \* the path to the annotated type argument, wildcard bound, array  
 \* element type, or static inner type within 'typeRef'. May be  
 \* `<tt>null</tt>` if the annotation targets 'typeRef' as a whole.

\* @param start  
 \* the first instructions corresponding to the continuous ranges  
 \* that make the scope of this local variable (inclusive).

\* @param end  
 \* the last instructions corresponding to the continuous ranges  
 \* that make the scope of this local variable (exclusive). This  
 \* array must have the same size as the 'start' array.

\* @param index  
 \* the local variable's index in each range. This array must have  
 \* the same size as the 'start' array.

```
* @param desc
* the class descriptor of the annotation class.
*/
```

Found in path(s):

```
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
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```
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/Opcodes.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
```

jar/org/objectweb/asm/tree/IntInsnNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/ModuleProvideNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/commons/SimpleRemapper.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/ModuleOpenNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/VarInsnNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/ModuleRequireNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/AnnotationNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/AnnotationWriter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/signature/SignatureWriter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/Handle.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/analysis/AnalyzerException.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/commons/Remapper.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/commons/RemappingClassAdapter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/analysis/Interpreter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/commons/TryCatchBlockSorter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/analysis/Value.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/InnerClassNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/util/CheckAnnotationAdapter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/FieldWriter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/util/CheckFieldAdapter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/commons/TableSwitchGenerator.java

\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/Context.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/ModuleRemapper.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/ModuleResolutionAttribute.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/signature/SignatureReader.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/util/TraceSignatureVisitor.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/util/CheckMethodAdapter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/TypeAnnotationNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/Subroutine.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/InstructionAdapter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/ClassReader.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/ModuleHashesAttribute.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/FieldInsnNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/TypeInsnNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/ModuleWriter.java  
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\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/LabelNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/SignatureRemapper.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/Label.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/MethodInsnNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/AnnotationRemapper.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/ModuleExportNode.java

\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/JumpInsnNode.java  
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\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/MethodNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/Edge.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/SmallSet.java  
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\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/analysis/BasicValue.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/MethodWriter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/ModuleTargetAttribute.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/LocalVariableNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/ClassWriter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/InsnList.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/tree/FrameNode.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/Frame.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/AnnotationVisitor.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/ClassVisitor.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/ByteVector.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/util/TraceFieldVisitor.java  
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\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/Handler.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/commons/FieldRemapper.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-



jar/org/objectweb/asm/ModuleVisitor.java  
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jar/org/objectweb/asm/tools/ModuleInfoBndPlugin.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
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jar/org/objectweb/asm/util/CheckModuleAdapter.java  
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\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java  
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jar/org/objectweb/asm/util/TraceClassVisitor.java  
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jar/org/objectweb/asm/commons/StaticInitMerger.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/CurrentFrame.java  
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\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/util/Printer.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/Type.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
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jar/org/objectweb/asm/commons/LocalVariablesSorter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
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jar/org/objectweb/asm/util/CheckSignatureAdapter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/MethodVisitor.java  
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jar/org/objectweb/asm/commons/Method.java  
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jar/org/objectweb/asm/commons/MethodRemapper.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-  
jar/org/objectweb/asm/util/ASMifier.java  
\* /opt/cola/permits/1144945622\_1682004531.104882/0/asm-util-6-0-sources-3-

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jar/org/objectweb/asm/commons/AdviceAdapter.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/tree/IncInsnNode.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/tree/ModuleNode.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/tools/Retrofitter.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/FieldVisitor.java
```

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```
/**
```

```
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```

```
*/
```

```
/**
```

```
* Constructs a new { @link Textifier}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the { @link #Textifier(int)}
* version.
```

```
*
* @throws IllegalStateException
* If a subclass calls this constructor.
*/
```

Found in path(s):

```
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
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```

```
*/
```

```
/**
```

```
* Creates a new {@link GeneratorAdapter}. Subclasses must not use this
* constructor. Instead, they must use the
* {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
* version.
*
* @param mv
* the method visitor to which this adapter delegates calls.
* @param access
```

```
* the method's access flags (see { @link Opcodes }).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see { @link Type Type }).
* @throws IllegalStateException
* If a subclass calls this constructor.
*/
```

Found in path(s):

```
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-
jar/org/objectweb/asm/commons/GeneratorAdapter.java
```

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```
* /opt/cola/permits/1144945622_1682004531.104882/0/asm-util-6-0-sources-3-jar/org/objectweb/asm/xml/asm-
xml.dtd
```

# 1.560 @babel/plugin-transform-object-assign

## 7.18.6

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# 1.563 mime-db 1.23.0

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## 1.564 @jridgewell/resolve-uri 3.1.0

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions.

#### THE BASIC LIBRARY FUNCTIONS

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands

as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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# 1.572 electron-to-chromium 1.4.380

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## 1.576 repeat-element 1.1.4

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# 1.577 jest-test-result 24.9.0

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## 1.580 unset-value 1.0.0

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## 1.585 kind-of 6.0.3

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## 1.586 @hapi/bourne 1.3.2

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# 1.606 metro-symbolicate 0.59.0

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Found in path(s):

\* /opt/cola/permits/1662173340\_1683104588.1959465/0/metro-symbolicate-0-59-0-1-tgz/package/src/SourceMetadataMapConsumer.js.flow

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// Jest Snapshot v1, <https://goo.gl/fbAQLP>

```
exports[`directory context symbolicate a stack trace 1`] = `
"/js/react-native-github/Libraries/BatchedBridge/BatchedBridge.js:23:Object
/js/react-native-github/Libraries/BatchedBridge/MessageQueue.js:89:null
fileThatDoesntExist.js:10:null
"
`;
```

```

exports[Symbolicating a hermes stack trace 1`] = `
Array [
 Object {
 "column": 21,
 "functionName": "columns.forEach$argument_0",
 "line": 480,
 "name": "rows",
 "source": "/js/node_modules/react-native/Libraries/polyfills/console.js",
 },
 Object {
 "column": 8,
 "functionName": "setEnabled",
 "line": 101,
 "name": "_enabled",
 "source": "/js/react-native-github/Libraries/Performance/Systrace.js",
 },
 Object {
 "column": 2,
 "functionName": "getValue",
 "line": 13,
 "name": null,
 "source": "/js/RKJSModules/Apps/HermesModulesTest/HMTLazyFetched.js",
 },
 Object {
 "column": null,
 "functionName": null,
 "line": null,
 "name": null,
 "source": null,
 },
 Object {
 "column": 2,
 "functionName": "getValue",
 "line": 13,
 "name": null,
 "source": "/js/RKJSModules/Apps/HermesModulesTest/HMTLazyFetched.js",
 },
 Object {
 "NativeCode": true,
 },
]
`;

```

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exports[Symbolicating a hermes stack trace CJS 1`] = `
Array [
 Object {
 "column": 36,

```

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 "functionName": "result.clearExceptTimespans",
 "line": 160,
 "name": null,
 "source": "/js/react-native-github/Libraries/Utilities/createPerformanceLogger.js",
 },
 Object {
 "column": 2,
 "functionName": "getValue",
 "line": 13,
 "name": null,
 "source": "/js/RKJSMODULES/Apps/HermesModulesTest/HMTLazyFetched.js",
 },
 Object {
 "column": 2,
 "functionName": "getValue",
 "line": 13,
 "name": null,
 "source": "/js/RKJSMODULES/Apps/HermesModulesTest/HMTLazyFetched.js",
 },
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 "column": 2,
 "functionName": "getValue",
 "line": 13,
 "name": null,
 "source": "/js/RKJSMODULES/Apps/HermesModulesTest/HMTLazyFetched.js",
 },
 Object {
 "NativeCode": true,
 },
]
`;

```

```

exports[Symbolicating a profiler map 1`] = `
"JS_0000_XXXXXXXXXXXXXXXXXXXXXXXXX throws0::thrower.js:48:11
JS_0001_XXXXXXXXXXXXXXXXXXXXXXXXX throws6::thrower.js:35:38
JS_0002_XXXXXXXXXXXXXXXXXXXXXXXXX name::thrower.js:1:0
JS_0003_XXXXXXXXXXXXXXXXXXXXXXXXX (unknown)::thrower.js:1:0"
`;

```

```

exports[Symbolicating a stack trace 1`] = `
"thrower.js:18:null
thrower.js:30:arg
null:null:null
thrower.js:30:arguments
thrower.js:35:this
eval code
null:null:null
thrower.js:27:null

```

```
thrower.js:39:throws3
thrower.js:44:throws2
thrower.js:49:throws1
thrower.js:53:throws0
global thrower.js:1:null
"
`;
```

```
exports[Symbolicating a stack trace ignoring a function map 1`] = `
"/js/RKJSMModules/segmented/biz.js:5:null
/js/RKJSMModules/segmented/glo.js:7:throwSmthInner
/js/RKJSMModules/bar.js:14:throwSmth
/js/RKJSMModules/bar.js:10:makeItThrowInner
/js/RKJSMModules/bar.js:5:makeItThrow
"
`;
```

```
exports[Symbolicating a stack trace in Node format 1`] = `
"TypeError: undefined is not a function
 at throws6 (thrower.js:18:null)
 at thrower.js:30:arg
 at forEach (null:null:null)
 at o (thrower.js:30:arguments)
 at throws4 (thrower.js:35:this)
 at eval (eval at thrower.js:30:forEach)
 at t (thrower.js:27:null)
 at throws2 (thrower.js:39:throws3)
 at throws1 (thrower.js:44:throws2)
 at throws0 (thrower.js:49:throws1)
 at thrower.js:53:throws0
 at global code (thrower.js:1:null)
"
`;
```

```
exports[Symbolicating a stack trace with a function map 1`] = `
"/js/RKJSMModules/segmented/biz.js:5:module.exports.throwSmthInner
/js/RKJSMModules/segmented/glo.js:7:module.exports.throwSmth
/js/RKJSMModules/bar.js:14:makeItThrowInner
/js/RKJSMModules/bar.js:10:makeItThrow
/js/RKJSMModules/bar.js:5:import.then$argument_0
"
`;
```

```
exports[Symbolicating a stack trace with a segmented RAM bundle map 1`] = `
"/js/RKJSMModules/segmented/biz.js:5:null
/js/RKJSMModules/segmented/glo.js:7:throwSmthInner
/js/RKJSMModules/bar.js:14:throwSmth
/js/RKJSMModules/bar.js:10:makeItThrowInner
`;
```



```
/js/RKJSModules/bar.js:5:makeItThrow
```

```
"
`;
`;
```

```
exports[Symbolicating an attribution file 1] = `
```

```
"{"functionId":1,"location":{"file":"thrower.js","line":4,"column":11},"usage":[]}
{"functionId":2,"location":{"file":"thrower.js","line":14,"column":14},"usage":[]}
"
`;
`;
```

```
exports[Symbolicating an attribution file with 1-based column output 1] = `
```

```
"{"functionId":1,"location":{"file":"thrower.js","line":4,"column":12},"usage":[]}
{"functionId":2,"location":{"file":"thrower.js","line":14,"column":15},"usage":[]}
"
`;
`;
```

```
exports[Symbolicating with a cpubprofile 1] = `
```

```
Object {
 "stackFrames": Object {
 "1": Object {
 "category": "JavaScript",
 "funcVirtAddr": "0",
 "name": "<global>(temp/bench.js:2:1)",
 "offset": "0",
 },
 "2": Object {
 "category": "JavaScript",
 "funcVirtAddr": "0",
 "name": "<global>(temp/bench.js:21:11)",
 "offset": "55",
 },
 "3": Object {
 "category": "JavaScript",
 "funcVirtAddr": "67",
 "name": "entryPoint(temp/bench.js:3:9)",
 "offset": "16",
 "parent": 2,
 },
 "4": Object {
 "category": "JavaScript",
 "funcVirtAddr": "89",
 "name": "helper(temp/bench.js:6:19)",
 "offset": "0",
 "parent": 3,
 },
 "5": Object {
 "category": "JavaScript",
 "funcVirtAddr": "89",
 },
 },
}
```

```
"name": "helper(temp/bench.js:14:20)",
"offset": "146",
"parent": 3,
},
"6": Object {
 "category": "Native",
 "name": "[Native]4367295792",
 "parent": 5,
},
},
}
`;
```

exports[Symbolicating with a cpuprofile ignoring a function map 1`] = `

```
Object {
 "stackFrames": Object {
 "1": Object {
 "category": "JavaScript",
 "funcVirtAddr": "0",
 "name": "global+0(temp/bench.js:2:1)",
 "offset": "0",
 },
 "2": Object {
 "category": "JavaScript",
 "funcVirtAddr": "0",
 "name": "global+55(temp/bench.js:21:11)",
 "offset": "55",
 },
 "3": Object {
 "category": "JavaScript",
 "funcVirtAddr": "67",
 "name": "entryPoint+16(temp/bench.js:3:9)",
 "offset": "16",
 "parent": 2,
 },
 "4": Object {
 "category": "JavaScript",
 "funcVirtAddr": "89",
 "name": "helper+0(temp/bench.js:6:19)",
 "offset": "0",
 "parent": 3,
 },
 "5": Object {
 "category": "JavaScript",
 "funcVirtAddr": "89",
 "name": "helper+146(temp/bench.js:14:20)",
 "offset": "146",
 "parent": 3,
 },
 },
}
```

```
 },
 "6": Object {
 "category": "Native",
 "name": "[Native]4367295792",
 "parent": 5,
 },
},
}
`;
```

Found in path(s):

```
* /opt/cola/permits/1662173340_1683104588.1959465/0/metro-symbolicate-0-59-0-1-
tgz/package/src.real/__tests__/__snapshots__/symbolicate-test.js.snap
No license file was found, but licenses were detected in source scan.
```

```
/**
```

```
* Copyright (c) Facebook, Inc. and its affiliates.
*
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* LICENSE file in the root directory of this source tree.
*
* @flow strict-local
* @format
*/
```

Found in path(s):

```
* /opt/cola/permits/1662173340_1683104588.1959465/0/metro-symbolicate-0-59-0-1-
tgz/package/src/symbolicate.js.flow
* /opt/cola/permits/1662173340_1683104588.1959465/0/metro-symbolicate-0-59-0-1-
tgz/package/src.real/symbolicate.js
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```

```
/**
```

```
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*
* @emails oncall+js_symbolication
* @format
*/
```

Found in path(s):

```
* /opt/cola/permits/1662173340_1683104588.1959465/0/metro-symbolicate-0-59-0-1-
tgz/package/src.real/__tests__/symbolicate-test.js
* /opt/cola/permits/1662173340_1683104588.1959465/0/metro-symbolicate-0-59-0-1-
tgz/package/src.real/__tests__/Symbolication-test.js
* /opt/cola/permits/1662173340_1683104588.1959465/0/metro-symbolicate-0-59-0-1-
```

tgz/package/src.real/\_\_tests\_\_/SourceMetadataMapConsumer-test.js  
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 * @format
 */
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```
* /opt/cola/permits/1662173340_1683104588.1959465/0/metro-symbolicate-0-59-0-1-
tgz/package/src.real/SourceMetadataMapConsumer.js
* /opt/cola/permits/1662173340_1683104588.1959465/0/metro-symbolicate-0-59-0-1-
tgz/package/src/Symbolication.js.flow
* /opt/cola/permits/1662173340_1683104588.1959465/0/metro-symbolicate-0-59-0-1-
tgz/package/src.real/Symbolication.js
```

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 *
 * @format
 */
```

Found in path(s):

```
* /opt/cola/permits/1662173340_1683104588.1959465/0/metro-symbolicate-0-59-0-1-
tgz/package/src/SourceMetadataMapConsumer.js
* /opt/cola/permits/1662173340_1683104588.1959465/0/metro-symbolicate-0-59-0-1-
tgz/package/src/Symbolication.js
```

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 *
 * strict-local
 * @format
 */
```

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# 1.607 @babel/plugin-proposal-unicode-property-regex 7.18.6

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# 1.608 brace-expansion 1.1.11

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## 1.609 p-finally 1.0.0

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## 1.610 yocto-queue 0.1.0

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# 1.611 options 0.0.6

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*/
```

Found in path(s):

```
* /opt/cola/permits/1110632234_1607050508.79/0/options-0-0-6-2-tgz/package/lib/options.js
```

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```
options.js
```

A very light-weight in-code option parsers for node.js.

```
Usage
```

```
``` js  
var Options = require("options");
```

```
// Create an Options object  
function foo(options) {  
  var default_options = {  
    foo : "bar"  
  };
```

```
  // Create an option object with default value  
  var opts = new Options(default_options);
```

```
  // Merge options  
  opts = opts.merge(options);
```

```

// Reset to default value
opts.reset();

// Copy selected attributes out
var seled_att = opts.copy("foo");

// Read json options from a file.
opts.read("options.file"); // Sync
opts.read("options.file", function(err){ // Async
  if(err){ // If error occurs
    console.log("File error.");
  }else{
    // No error
  }
});

// Attributes defined or not
opts.isDefinedAndNonNull("foobar");
opts.isDefined("foobar");
}

```

...

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* /opt/cola/permits/1110632234_1607050508.79/0/options-0-0-6-2-tgz/package/README.md

1.612 fastq 1.15.0

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1.613 semver 5.7.1

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1.614 p-limit 2.3.0

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1.615 globalthis 1.0.3

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1.616 jsesc 2.5.2

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1.617 is-buffer 1.1.6

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1.618 use-subscription 1.8.0

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1.619 require-main-filename 2.0.0

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1.620 flat-cache 3.0.4

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1.621 bser 2.1.1

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```
* /opt/cola/permits/1136066270_1613673803.28/0/bser-2-1-1-1-tgz/package/index.js
```

1.622 @babel/plugin-proposal-private-property-in-object 7.21.0

1.622.1 Available under license :

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1.623 class-utils 0.3.6

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1.624 jest-get-type 24.9.0

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1.625 array-ify 1.0.0

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1.626 available-typed-arrays 1.0.5

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1.627 etag 1.8.1

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1.628 pascalcase 0.1.1

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1.629 ws 7.5.9

1.629.1 Available under license :

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1.630 send 0.18.0

1.630.1 Available under license :

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1.631 @babel/plugin-syntax-optional-catch-binding 7.8.3

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1.632 http-errors 2.0.0

1.632.1 Available under license :

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1.633 babel-plugin-polyfill-corejs3 0.6.0

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1.634 babel-plugin-transform-runtime 7.21.4

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1.635 shell-quote 1.6.1

1.635.1 Available under license :

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1.636 react-devtools-core 4.27.6

1.636.1 Available under license :

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```
/**
 * @license React
 * react.production.min.js
```

*
* Copyright (c) Meta Platforms, Inc. and affiliates.
*
* This source code is licensed under the MIT license found in the
* LICENSE file in the root directory of this source tree.
*/

Found in path(s):

* /opt/cola/permits/1653802149_1682447902.7673888/0/react-devtools-core-4-27-6-tgz/package/dist/standalone.js
No license file was found, but licenses were detected in source scan.

```
exports.ids=[0],exports.modules={207:function(e,t,r){var
n=r(108),i=["parseSourceAndMetadata","purgeCachedMetadata"];e.exports=function(){var e=new
Worker(URL.createObjectURL(new Blob(['!function(e){var t={};function r(n){if(t[n])return t[n].exports;var
i=t[n]={i:n,l:!1,exports:{}};return
e[n].call(i.exports,i,i.exports,r),i.l=!0,i.exports)r.m=e,r.c=t,r.d=function(e,t,n){r.o(e,t)||Object.defineProperty(e,t,{en
umerable:!0,get:n})},r.r=function(e){"undefined"!==typeof
Symbol&&Symbol.toStringTag&&Object.defineProperty(e,Symbol.toStringTag,{value:"Module"}),Object.defineP
roperty(e,"__esModule",{value:!0})},r.t=function(e,t){if(1&t&&(e=r(e)),8&t)return e;if(4&t&&"object"===typeof
e&&e.__esModule)return e;var
n=Object.create(null);if(r.r(n),Object.defineProperty(n,"default",{enumerable:!0,value:e}),2&t&&"string"!==typeof
e)for(var i in e)r.d(n,i,function(){return e[t]}.bind(null,i));return n},r.n=function(e){var
t=e&&e.__esModule?function(){return e.default}:function(){return e};return r.d(t,"a",t),r.o=function(e,t){return
Object.prototype.hasOwnProperty.call(e,t)},r.p="",r(r.s=374)}([function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0});var
n={react:!0,assertNode:!0,createTypeAnnotationBasedOnTypeof:!0,createUnionTypeAnnotation:!0,createFlowUnio
nType:!0,createTSUnionType:!0,cloneNode:!0,clone:!0,cloneDeep:!0,cloneDeepWithoutLoc:!0,cloneWithoutLoc:!
0,addComment:!0,addComments:!0,inheritInnerComments:!0,inheritLeadingComments:!0,inheritsComments:!0,inh
eritTrailingComments:!0,removeComments:!0,ensureBlock:!0,toBindingIdentifierName:!0,toBlock:!0,toComputed
Key:!0,toExpression:!0,toIdentifier:!0,toKeyAlias:!0,toSequenceExpression:!0,toStatement:!0,valueToNode:!0,appe
ndToMemberExpression:!0,inherits:!0,prependToMemberExpression:!0,removeProperties:!0,removePropertiesDeep
:!0,removeTypeDuplicates:!0,getBindingIdentifiers:!0,getOuterBindingIdentifiers:!0,truncate:!0,truncateFast:!0,shall
owEqual:!0,is:!0,isBinding:!0,isBlockScoped:!0,isImmutable:!0,isLet:!0,isNode:!0,isNodesEquivalent:!0,isPlacehol
derType:!0,isReferenced:!0,isScope:!0,isSpecifierDefault:!0,isType:!0,isValidES3Identifier:!0,isValidIdentifier:!0,is
Var:!0,matchesPattern:!0,validate:!0,buildMatchMemberExpression:!0};Object.defineProperty(t,"assertNode",{enu
merable:!0,get:function(){return
o.default}}),Object.defineProperty(t,"createTypeAnnotationBasedOnTypeof",{enumerable:!0,get:function(){return
c.default}}),Object.defineProperty(t,"createUnionTypeAnnotation",{enumerable:!0,get:function(){return
p.default}}),Object.defineProperty(t,"createFlowUnionType",{enumerable:!0,get:function(){return
p.default}}),Object.defineProperty(t,"createTSUnionType",{enumerable:!0,get:function(){return
u.default}}),Object.defineProperty(t,"cloneNode",{enumerable:!0,get:function(){return
h.default}}),Object.defineProperty(t,"clone",{enumerable:!0,get:function(){return
f.default}}),Object.defineProperty(t,"cloneDeep",{enumerable:!0,get:function(){return
m.default}}),Object.defineProperty(t,"cloneDeepWithoutLoc",{enumerable:!0,get:function(){return
y.default}}),Object.defineProperty(t,"cloneWithoutLoc",{enumerable:!0,get:function(){return
T.default}}),Object.defineProperty(t,"addComment",{enumerable:!0,get:function(){return
b.default}}),Object.defineProperty(t,"addComments",{enumerable:!0,get:function(){return
g.default}}),Object.defineProperty(t,"inheritInnerComments",{enumerable:!0,get:function(){return
```

```

S.default})),Object.defineProperty(t,"inheritLeadingComments",{enumerable:!0,get:function(){return
x.default}}),Object.defineProperty(t,"inheritsComments",{enumerable:!0,get:function(){return
E.default}}),Object.defineProperty(t,"inheritTrailingComments",{enumerable:!0,get:function(){return
P.default}}),Object.defineProperty(t,"removeComments",{enumerable:!0,get:function(){return
v.default}}),Object.defineProperty(t,"ensureBlock",{enumerable:!0,get:function(){return
O.default}}),Object.defineProperty(t,"toBindingIdentifierName",{enumerable:!0,get:function(){return
I.default}}),Object.defineProperty(t,"toBlock",{enumerable:!0,get:function(){return
C.default}}),Object.defineProperty(t,"toComputedKey",{enumerable:!0,get:function(){return
N.default}}),Object.defineProperty(t,"toExpression",{enumerable:!0,get:function(){return
k.default}}),Object.defineProperty(t,"toIdentifier",{enumerable:!0,get:function(){return
D.default}}),Object.defineProperty(t,"toKeyAlias",{enumerable:!0,get:function(){return
_.default}}),Object.defineProperty(t,"toSequenceExpression",{enumerable:!0,get:function(){return
L.default}}),Object.defineProperty(t,"toStatement",{enumerable:!0,get:function(){return
M.default}}),Object.defineProperty(t,"valueToNode",{enumerable:!0,get:function(){return
j.default}}),Object.defineProperty(t,"appendToMemberExpression",{enumerable:!0,get:function(){return
R.default}}),Object.defineProperty(t,"inherits",{enumerable:!0,get:function(){return
B.default}}),Object.defineProperty(t,"prependToMemberExpression",{enumerable:!0,get:function(){return
U.default}}),Object.defineProperty(t,"removeProperties",{enumerable:!0,get:function(){return
V.default}}),Object.defineProperty(t,"removePropertiesDeep",{enumerable:!0,get:function(){return
K.default}}),Object.defineProperty(t,"removeTypeDuplicates",{enumerable:!0,get:function(){return
q.default}}),Object.defineProperty(t,"getBindingIdentifiers",{enumerable:!0,get:function(){return
Y.default}}),Object.defineProperty(t,"getOuterBindingIdentifiers",{enumerable:!0,get:function(){return
W.default}}),Object.defineProperty(t,"traverse",{enumerable:!0,get:function(){return
X.default}}),Object.defineProperty(t,"traverseFast",{enumerable:!0,get:function(){return
J.default}}),Object.defineProperty(t,"shallowEqual",{enumerable:!0,get:function(){return
H.default}}),Object.defineProperty(t,"is",{enumerable:!0,get:function(){return
G.default}}),Object.defineProperty(t,"isBinding",{enumerable:!0,get:function(){return
z.default}}),Object.defineProperty(t,"isBlockScoped",{enumerable:!0,get:function(){return
$.default}}),Object.defineProperty(t,"isImmutable",{enumerable:!0,get:function(){return
Q.default}}),Object.defineProperty(t,"isLet",{enumerable:!0,get:function(){return
Z.default}}),Object.defineProperty(t,"isNode",{enumerable:!0,get:function(){return
ee.default}}),Object.defineProperty(t,"isNodesEquivalent",{enumerable:!0,get:function(){return
te.default}}),Object.defineProperty(t,"isPlaceholderType",{enumerable:!0,get:function(){return
re.default}}),Object.defineProperty(t,"isReferenced",{enumerable:!0,get:function(){return
ne.default}}),Object.defineProperty(t,"isScope",{enumerable:!0,get:function(){return
ie.default}}),Object.defineProperty(t,"isSpecifierDefault",{enumerable:!0,get:function(){return
se.default}}),Object.defineProperty(t,"isType",{enumerable:!0,get:function(){return
ae.default}}),Object.defineProperty(t,"isValidES3Identifier",{enumerable:!0,get:function(){return
oe.default}}),Object.defineProperty(t,"isValidIdentifier",{enumerable:!0,get:function(){return
le.default}}),Object.defineProperty(t,"isVar",{enumerable:!0,get:function(){return
ce.default}}),Object.defineProperty(t,"matchesPattern",{enumerable:!0,get:function(){return
pe.default}}),Object.defineProperty(t,"validate",{enumerable:!0,get:function(){return
ue.default}}),Object.defineProperty(t,"buildMatchMemberExpression",{enumerable:!0,get:function(){return
de.default}}),t.react=void 0;var
i=fe(r(133)),s=fe(r(134)),a=fe(r(135)),o=fe(r(216)),l=r(217);Object.keys(l).forEach((function(e){"default"!==e&&"
__esModule"!==e&&(Object.prototype.hasOwnProperty.call(n,e)||e in
t&&t[e]===[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return l[e]} })))));var
c=fe(r(218)),p=fe(r(219)),u=fe(r(220)),d=r(4);Object.keys(d).forEach((function(e){"default"!==e&&"__esModule"!

```

```

==e&&(Object.prototype.hasOwnProperty.call(n,e)||e in
t&&t[e]===d[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return d[e]}}));var
h=fe(r(14)),f=fe(r(222)),m=fe(r(223)),y=fe(r(224)),T=fe(r(225)),b=fe(r(226)),g=fe(r(86)),S=fe(r(87)),x=fe(r(88)),E=
fe(r(89)),P=fe(r(90)),v=fe(r(227)),A=r(228);Object.keys(A).forEach((function(e){"default"!==e&&"__esModule"!=
=e&&(Object.prototype.hasOwnProperty.call(n,e)||e in
t&&t[e]===A[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return A[e]}}));var
w=r(13);Object.keys(w).forEach((function(e){"default"!==e&&"__esModule"!==e&&(Object.prototype.hasOwnProperty.Pr
operty.call(n,e)||e in t&&t[e]===w[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return
w[e]}}));var
O=fe(r(229)),I=fe(r(230)),C=fe(r(91)),N=fe(r(231)),k=fe(r(232)),D=fe(r(92)),_=fe(r(233)),L=fe(r(234)),M=fe(r(236
)),j=fe(r(237)),F=r(5);Object.keys(F).forEach((function(e){"default"!==e&&"__esModule"!==e&&(Object.prototype
e.hasOwnProperty.call(n,e)||e in t&&t[e]===F[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return
F[e]}}));var
R=fe(r(241)),B=fe(r(242)),U=fe(r(243)),V=fe(r(95)),K=fe(r(93)),q=fe(r(85)),Y=fe(r(35)),W=fe(r(244)),X=fe(r(245
)),J=fe(r(94)),H=fe(r(39)),G=fe(r(34)),z=fe(r(246)),S=fe(r(247)),Q=fe(r(248)),Z=fe(r(96)),ee=fe(r(84)),te=fe(r(249)),
re=fe(r(82)),ne=fe(r(250)),ie=fe(r(251)),se=fe(r(252)),ae=fe(r(51)),oe=fe(r(253)),le=fe(r(23)),ce=fe(r(254)),pe=fe(r(
65)),ue=fe(r(52)),de=fe(r(64)),he=r(2);function fe(e){return
e&&e.__esModule?:{default:e}}Object.keys(he).forEach((function(e){"default"!==e&&"__esModule"!==e&&(O
bject.prototype.hasOwnProperty.call(n,e)||e in
t&&t[e]===he[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return he[e]}}));const
me={isReactComponent:i.default,isCompatTag:s.default,buildChildren:a.default};t.react=me},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.isArrayExpression=function(e,t){if(!e)return!1;if("Array
Expression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isAssignmentExpression=function(e,t){if(!e)return!1;if("AssignmentExpression"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBinaryExpression=function(e,t){if(!e)return!1;if("BinaryExpression"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isInterpreterDirective=function(e,t){if(!e)return!1;if("InterpreterDirective"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isDirective=function(e,t){if(!e)return!1;if("Directive"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDirectiveLiteral=function(e,t){if(!e)return!1;if("DirectiveLiteral"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isBlockStatement=function(e,t){if(!e)return!1;if("BlockStatement"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isBreakStatement=function(e,t){if(!e)return!1;if("BreakStatement"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isCallExpression=function(e,t){if(!e)return!1;if("CallExpression"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isCatchClause=function(e,t){if(!e)return!1;if("CatchClause"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isConditionalExpression=function(e,t){if(!e)return!1;if("ConditionalExpression"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isContinueStatement=function(e,t){if(!e)return!1;if("ContinueStatement"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isDebuggerStatement=function(e,t){if(!e)return!1;if("DebuggerStatement"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isDoWhileStatement=function(e,t){if(!e)return!1;if("DoWhileStatement"===e.ty
pe)return void

```



```

0===t||(0,n.default)(e,t);return!1},t.isEmptyStatement=function(e,t){if(!e)return!1;if("EmptyStatement"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isExpressionStatement=function(e,t){if(!e)return!1;if("ExpressionStatement"===
e.type)return void 0===t||(0,n.default)(e,t);return!1},t.isFile=function(e,t){if(!e)return!1;if("File"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isForInStatement=function(e,t){if(!e)return!1;if("ForInStatement"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isForStatement=function(e,t){if(!e)return!1;if("ForStatement"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isFunctionDeclaration=function(e,t){if(!e)return!1;if("FunctionDeclaration"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isFunctionExpression=function(e,t){if(!e)return!1;if("FunctionExpression"===e.
type)return void
0===t||(0,n.default)(e,t);return!1},t.isIdentifier=function(e,t){if(!e)return!1;if("Identifier"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isIfStatement=function(e,t){if(!e)return!1;if("IfStatement"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isLabeledStatement=function(e,t){if(!e)return!1;if("LabeledStatement"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isStringLiteral=function(e,t){if(!e)return!1;if("StringLiteral"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isNumericLiteral=function(e,t){if(!e)return!1;if("NumericLiteral"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isNullLiteral=function(e,t){if(!e)return!1;if("NullLiteral"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBooleanLiteral=function(e,t){if(!e)return!1;if("BooleanLiteral"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isRegExpLiteral=function(e,t){if(!e)return!1;if("RegExpLiteral"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isLogicalExpression=function(e,t){if(!e)return!1;if("LogicalExpression"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isMemberExpression=function(e,t){if(!e)return!1;if("MemberExpression"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isNewExpression=function(e,t){if(!e)return!1;if("NewExpression"===e.type)ret
urn void 0===t||(0,n.default)(e,t);return!1},t.isProgram=function(e,t){if(!e)return!1;if("Program"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isObjectExpression=function(e,t){if(!e)return!1;if("ObjectExpression"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectMethod=function(e,t){if(!e)return!1;if("ObjectMethod"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isObjectProperty=function(e,t){if(!e)return!1;if("ObjectProperty"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isRestElement=function(e,t){if(!e)return!1;if("RestElement"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isReturnStatement=function(e,t){if(!e)return!1;if("ReturnStatement"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isSequenceExpression=function(e,t){if(!e)return!1;if("SequenceExpression"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isParenthesizedExpression=function(e,t){if(!e)return!1;if("ParenthesizedExpressi
on"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isSwitchCase=function(e,t){if(!e)return!1;if("SwitchCase"===e.type)return void

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0===t||(0,n.default)(e,t);return!1},t.isSwitchStatement=function(e,t){if(!e)return!1;if("SwitchStatement"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isThisExpression=function(e,t){if(!e)return!1;if("ThisExpression"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isThrowStatement=function(e,t){if(!e)return!1;if("ThrowStatement"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isTryStatement=function(e,t){if(!e)return!1;if("TryStatement"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isUnaryExpression=function(e,t){if(!e)return!1;if("UnaryExpression"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isUpdateExpression=function(e,t){if(!e)return!1;if("UpdateExpression"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isVariableDeclaration=function(e,t){if(!e)return!1;if("VariableDeclaration"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isVariableDeclarator=function(e,t){if(!e)return!1;if("VariableDeclarator"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isWhileStatement=function(e,t){if(!e)return!1;if("WhileStatement"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isWithStatement=function(e,t){if(!e)return!1;if("WithStatement"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isAssignmentPattern=function(e,t){if(!e)return!1;if("AssignmentPattern"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isArrayPattern=function(e,t){if(!e)return!1;if("ArrayPattern"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isArrowFunctionExpression=function(e,t){if(!e)return!1;if("ArrowFunctionExpr
ession"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassBody=function(e,t){if(!e)return!1;if("ClassBody"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassExpression=function(e,t){if(!e)return!1;if("ClassExpression"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isClassDeclaration=function(e,t){if(!e)return!1;if("ClassDeclaration"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isExportAllDeclaration=function(e,t){if(!e)return!1;if("ExportAllDeclaration"===
=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExportDefaultDeclaration=function(e,t){if(!e)return!1;if("ExportDefaultDeclar
ation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExportNamedDeclaration=function(e,t){if(!e)return!1;if("ExportNamedDeclarat
ion"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExportSpecifier=function(e,t){if(!e)return!1;if("ExportSpecifier"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isForOfStatement=function(e,t){if(!e)return!1;if("ForOfStatement"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isImportDeclaration=function(e,t){if(!e)return!1;if("ImportDeclaration"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isImportDefaultSpecifier=function(e,t){if(!e)return!1;if("ImportDefaultSpecifier
"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isImportNamespaceSpecifier=function(e,t){if(!e)return!1;if("ImportNamespaceS
pecifier"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isImportSpecifier=function(e,t){if(!e)return!1;if("ImportSpecifier"===e.type)ret

```

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urn void
0===t||(0,n.default)(e,t);return!1},t.isMetaProperty=function(e,t){if(!e)return!1;if("MetaProperty"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isClassMethod=function(e,t){if(!e)return!1;if("ClassMethod"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isObjectPattern=function(e,t){if(!e)return!1;if("ObjectPattern"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isSpreadElement=function(e,t){if(!e)return!1;if("SpreadElement"===e.type)retur
n void 0===t||(0,n.default)(e,t);return!1},t.isSuper=function(e,t){if(!e)return!1;if("Super"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTaggedTemplateExpression=function(e,t){if(!e)return!1;if("TaggedTemplateE
xpression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTemplateElement=function(e,t){if(!e)return!1;if("TemplateElement"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isTemplateLiteral=function(e,t){if(!e)return!1;if("TemplateLiteral"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isYieldExpression=function(e,t){if(!e)return!1;if("YieldExpression"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isAwaitExpression=function(e,t){if(!e)return!1;if("AwaitExpression"===e.type)r
eturn void 0===t||(0,n.default)(e,t);return!1},t.isImport=function(e,t){if(!e)return!1;if("Import"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isBigIntLiteral=function(e,t){if(!e)return!1;if("BigIntLiteral"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isExportNamespaceSpecifier=function(e,t){if(!e)return!1;if("ExportNamespaceS
pecifier"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isOptionalMemberExpression=function(e,t){if(!e)return!1;if("OptionalMemberE
xpression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isOptionalCallExpression=function(e,t){if(!e)return!1;if("OptionalCallExpressio
n"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isAnyTypeAnnotation=function(e,t){if(!e)return!1;if("AnyTypeAnnotation"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isArrayTypeAnnotation=function(e,t){if(!e)return!1;if("ArrayTypeAnnotation"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBooleanTypeAnnotation=function(e,t){if(!e)return!1;if("BooleanTypeAnnotati
on"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBooleanLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("BooleanLiteral
TypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNullLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("NullLiteralTypeAn
notation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassImplements=function(e,t){if(!e)return!1;if("ClassImplements"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isDeclareClass=function(e,t){if(!e)return!1;if("DeclareClass"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isDeclareFunction=function(e,t){if(!e)return!1;if("DeclareFunction"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isDeclareInterface=function(e,t){if(!e)return!1;if("DeclareInterface"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isDeclareModule=function(e,t){if(!e)return!1;if("DeclareModule"===e.type)retu
rn void

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0===t||(0,n.default)(e,t);return!1},t.isDeclareModuleExports=function(e,t){if(!e)return!1;if("DeclareModuleExports"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareTypeAlias=function(e,t){if(!e)return!1;if("DeclareTypeAlias"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareOpaqueType=function(e,t){if(!e)return!1;if("DeclareOpaqueType"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareVariable=function(e,t){if(!e)return!1;if("DeclareVariable"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareExportDeclaration=function(e,t){if(!e)return!1;if("DeclareExportDeclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareExportAllDeclaration=function(e,t){if(!e)return!1;if("DeclareExportAllDeclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclaredPredicate=function(e,t){if(!e)return!1;if("DeclaredPredicate"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExistsTypeAnnotation=function(e,t){if(!e)return!1;if("ExistsTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isFunctionTypeAnnotation=function(e,t){if(!e)return!1;if("FunctionTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isFunctionTypeParam=function(e,t){if(!e)return!1;if("FunctionTypeParam"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isGenericTypeAnnotation=function(e,t){if(!e)return!1;if("GenericTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isInferredPredicate=function(e,t){if(!e)return!1;if("InferredPredicate"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isInterfaceExtends=function(e,t){if(!e)return!1;if("InterfaceExtends"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isInterfaceDeclaration=function(e,t){if(!e)return!1;if("InterfaceDeclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isInterfaceTypeAnnotation=function(e,t){if(!e)return!1;if("InterfaceTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isIntersectionTypeAnnotation=function(e,t){if(!e)return!1;if("IntersectionTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isMixedTypeAnnotation=function(e,t){if(!e)return!1;if("MixedTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEmptyTypeAnnotation=function(e,t){if(!e)return!1;if("EmptyTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNullableTypeAnnotation=function(e,t){if(!e)return!1;if("NullableTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNumberLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("NumberLiteralTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNumberTypeAnnotation=function(e,t){if(!e)return!1;if("NumberTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeAnnotation=function(e,t){if(!e)return!1;if("ObjectTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeInternalSlot=function(e,t){if(!e)return!1;if("ObjectTypeInternalSlot"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeCallProperty=function(e,t){if(!e)return!1;if("ObjectTypeCallProperty"===e.type)return void

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0===t||(0,n.default)(e,t);return!1},t.isObjectTypeIndexer=function(e,t){if(!e)return!1;if("ObjectTypeIndexer"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeProperty=function(e,t){if(!e)return!1;if("ObjectTypeProperty"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeSpreadProperty=function(e,t){if(!e)return!1;if("ObjectTypeSpreadProperty"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isOpaqueType=function(e,t){if(!e)return!1;if("OpaqueType"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isQualifiedTypeIdentifier=function(e,t){if(!e)return!1;if("QualifiedTypeIdentifier"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isStringLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("StringLiteralTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isStringTypeAnnotation=function(e,t){if(!e)return!1;if("StringTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isSymbolTypeAnnotation=function(e,t){if(!e)return!1;if("SymbolTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isThisTypeAnnotation=function(e,t){if(!e)return!1;if("ThisTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTupleTypeAnnotation=function(e,t){if(!e)return!1;if("TupleTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeofTypeAnnotation=function(e,t){if(!e)return!1;if("TypeofTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeAlias=function(e,t){if(!e)return!1;if("TypeAlias"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeAnnotation=function(e,t){if(!e)return!1;if("TypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeCastExpression=function(e,t){if(!e)return!1;if("TypeCastExpression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeParameter=function(e,t){if(!e)return!1;if("TypeParameter"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeParameterDeclaration=function(e,t){if(!e)return!1;if("TypeParameterDeclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeParameterInstantiation=function(e,t){if(!e)return!1;if("TypeParameterInstantiation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isUnionTypeAnnotation=function(e,t){if(!e)return!1;if("UnionTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isVariance=function(e,t){if(!e)return!1;if("Variance"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isVoidTypeAnnotation=function(e,t){if(!e)return!1;if("VoidTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumDeclaration=function(e,t){if(!e)return!1;if("EnumDeclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumBooleanBody=function(e,t){if(!e)return!1;if("EnumBooleanBody"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumNumberBody=function(e,t){if(!e)return!1;if("EnumNumberBody"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumStringBody=function(e,t){if(!e)return!1;if("EnumStringBody"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumSymbolBody=function(e,t){if(!e)return!1;if("EnumSymbolBody"===e.type)return void

```

```

0===t||(0,n.default)(e,t);return!1},t.isEnumBooleanMember=function(e,t){if(!e)return!1;if("EnumBooleanMember"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumNumberMember=function(e,t){if(!e)return!1;if("EnumNumberMember"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumStringMember=function(e,t){if(!e)return!1;if("EnumStringMember"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumDefaultedMember=function(e,t){if(!e)return!1;if("EnumDefaultedMemb
er"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isIndexedAccessType=function(e,t){if(!e)return!1;if("IndexedAccessType"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isOptionalIndexedAccessType=function(e,t){if(!e)return!1;if("OptionalIndexed
AccessType"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXAttribute=function(e,t){if(!e)return!1;if("JSXAttribute"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isJSXClosingElement=function(e,t){if(!e)return!1;if("JSXClosingElement"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXElement=function(e,t){if(!e)return!1;if("JSXElement"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isJSXEmptyExpression=function(e,t){if(!e)return!1;if("JSXEmptyExpression"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXExpressionContainer=function(e,t){if(!e)return!1;if("JSXExpressionContai
ner"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXSpreadChild=function(e,t){if(!e)return!1;if("JSXSpreadChild"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isJSXIdentifier=function(e,t){if(!e)return!1;if("JSXIdentifier"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isJSXMemberExpression=function(e,t){if(!e)return!1;if("JSXMemberExpression
"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXNamespacedName=function(e,t){if(!e)return!1;if("JSXNamespacedName"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXOpeningElement=function(e,t){if(!e)return!1;if("JSXOpeningElement"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXSpreadAttribute=function(e,t){if(!e)return!1;if("JSXSpreadAttribute"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXText=function(e,t){if(!e)return!1;if("JSXText"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXFragment=function(e,t){if(!e)return!1;if("JSXFragment"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isJSXOpeningFragment=function(e,t){if(!e)return!1;if("JSXOpeningFragment"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXClosingFragment=function(e,t){if(!e)return!1;if("JSXClosingFragment"=
=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNoop=function(e,t){if(!e)return!1;if("Noop"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isPlaceholder=function(e,t){if(!e)return!1;if("Placeholder"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isV8IntrinsicIdentifier=function(e,t){if(!e)return!1;if("V8IntrinsicIdentifier"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isArgumentPlaceholder=function(e,t){if(!e)return!1;if("ArgumentPlaceholder"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBindExpression=function(e,t){if(!e)return!1;if("BindExpression"===e.type)ret

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urn void
0===t||(0,n.default)(e,t);return!1},t.isClassProperty=function(e,t){if(!e)return!1;if("ClassProperty"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isPipelineTopicExpression=function(e,t){if(!e)return!1;if("PipelineTopicExpress
ion"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isPipelineBareFunction=function(e,t){if(!e)return!1;if("PipelineBareFunction"===
=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isPipelinePrimaryTopicReference=function(e,t){if(!e)return!1;if("PipelinePrimar
yTopicReference"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassPrivateProperty=function(e,t){if(!e)return!1;if("ClassPrivateProperty"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassPrivateMethod=function(e,t){if(!e)return!1;if("ClassPrivateMethod"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isImportAttribute=function(e,t){if(!e)return!1;if("ImportAttribute"===e.type)ret
urn void 0===t||(0,n.default)(e,t);return!1},t.isDecorator=function(e,t){if(!e)return!1;if("Decorator"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isDoExpression=function(e,t){if(!e)return!1;if("DoExpression"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isExportDefaultSpecifier=function(e,t){if(!e)return!1;if("ExportDefaultSpecifier
"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isPrivateName=function(e,t){if(!e)return!1;if("PrivateName"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isRecordExpression=function(e,t){if(!e)return!1;if("RecordExpression"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTupleExpression=function(e,t){if(!e)return!1;if("TupleExpression"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isDecimalLiteral=function(e,t){if(!e)return!1;if("DecimalLiteral"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isStaticBlock=function(e,t){if(!e)return!1;if("StaticBlock"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isModuleExpression=function(e,t){if(!e)return!1;if("ModuleExpression"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSPParameterProperty=function(e,t){if(!e)return!1;if("TSPParameterProperty"===
=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSDDeclareFunction=function(e,t){if(!e)return!1;if("TSDDeclareFunction"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isTSDDeclareMethod=function(e,t){if(!e)return!1;if("TSDDeclareMethod"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSQualifiedName=function(e,t){if(!e)return!1;if("TSQualifiedName"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSCallSignatureDeclaration=function(e,t){if(!e)return!1;if("TSCallSignatureD
eclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSConstructSignatureDeclaration=function(e,t){if(!e)return!1;if("TSConstruct
SignatureDeclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSPPropertySignature=function(e,t){if(!e)return!1;if("TSPPropertySignature"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSMMethodSignature=function(e,t){if(!e)return!1;if("TSMMethodSignature"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSIndexSignature=function(e,t){if(!e)return!1;if("TSIndexSignature"===e.typ

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e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSAnyKeyword=function(e,t){if(!e)return!1;if("TSAnyKeyword"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isTSBooleanKeyword=function(e,t){if(!e)return!1;if("TSBooleanKeyword"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSBigIntKeyword=function(e,t){if(!e)return!1;if("TSBigIntKeyword"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSIntrinsicKeyword=function(e,t){if(!e)return!1;if("TSIntrinsicKeyword"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNeverKeyword=function(e,t){if(!e)return!1;if("TSNeverKeyword"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNullKeyword=function(e,t){if(!e)return!1;if("TSNullKeyword"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isTSNumberKeyword=function(e,t){if(!e)return!1;if("TSNumberKeyword"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSObjectKeyword=function(e,t){if(!e)return!1;if("TSObjectKeyword"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isTSStringKeyword=function(e,t){if(!e)return!1;if("TSStringKeyword"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSSymbolKeyword=function(e,t){if(!e)return!1;if("TSSymbolKeyword"===e.
type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSUndefinedKeyword=function(e,t){if(!e)return!1;if("TSUndefinedKeyword"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSUnknownKeyword=function(e,t){if(!e)return!1;if("TSUnknownKeyword"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSVoidKeyword=function(e,t){if(!e)return!1;if("TSVoidKeyword"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isTSThisType=function(e,t){if(!e)return!1;if("TSThisType"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSFunctionType=function(e,t){if(!e)return!1;if("TSFunctionType"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isTSConstructorType=function(e,t){if(!e)return!1;if("TSConstructorType"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeReference=function(e,t){if(!e)return!1;if("TSTypeReference"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypePredicate=function(e,t){if(!e)return!1;if("TSTypePredicate"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeQuery=function(e,t){if(!e)return!1;if("TSTypeQuery"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeLiteral=function(e,t){if(!e)return!1;if("TSTypeLiteral"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isTSArrayType=function(e,t){if(!e)return!1;if("TSArrayType"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSTupleType=function(e,t){if(!e)return!1;if("TSTupleType"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSOptionalType=function(e,t){if(!e)return!1;if("TSOptionalType"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isTSRestType=function(e,t){if(!e)return!1;if("TSRestType"===e.type)return

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void
0===t||(0,n.default)(e,t);return!1},t.isTSNamedTupleMember=function(e,t){if(!e)return!1;if("TSNamedTupleMember"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSUnionType=function(e,t){if(!e)return!1;if("TSUnionType"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSIntersectionType=function(e,t){if(!e)return!1;if("TSIntersectionType"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isTSConditionalType=function(e,t){if(!e)return!1;if("TSConditionalType"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isTSInferType=function(e,t){if(!e)return!1;if("TSInferType"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSParenthesizedType=function(e,t){if(!e)return!1;if("TSParenthesizedType"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeOperator=function(e,t){if(!e)return!1;if("TSTypeOperator"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isTSIndexedAccessType=function(e,t){if(!e)return!1;if("TSIndexedAccessType"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSMappedType=function(e,t){if(!e)return!1;if("TSMappedType"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isTSLiteralType=function(e,t){if(!e)return!1;if("TSLiteralType"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isTSExpressionWithTypeArguments=function(e,t){if(!e)return!1;if("TSExpressi
onWithTypeArguments"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSInterfaceDeclaration=function(e,t){if(!e)return!1;if("TSInterfaceDeclaration
"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSInterfaceBody=function(e,t){if(!e)return!1;if("TSInterfaceBody"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeAliasDeclaration=function(e,t){if(!e)return!1;if("TSTypeAliasDeclarati
on"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSAAsExpression=function(e,t){if(!e)return!1;if("TSAAsExpression"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeAssertion=function(e,t){if(!e)return!1;if("TSTypeAssertion"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isTSEnumDeclaration=function(e,t){if(!e)return!1;if("TSEnumDeclaration"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSEnumMember=function(e,t){if(!e)return!1;if("TSEnumMember"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isTSModuleDeclaration=function(e,t){if(!e)return!1;if("TSModuleDeclaration"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSModuleBlock=function(e,t){if(!e)return!1;if("TSModuleBlock"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isTSImportType=function(e,t){if(!e)return!1;if("TSImportType"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isTSImportEqualsDeclaration=function(e,t){if(!e)return!1;if("TSImportEqualsD
eclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSExternalModuleReference=function(e,t){if(!e)return!1;if("TSExternalModul
eReference"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNonNullExpression=function(e,t){if(!e)return!1;if("TSNonNullExpression"

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===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSExportAssignment=function(e,t){if(!e)return!1;if("TSExportAssignment"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNamespaceExportDeclaration=function(e,t){if(!e)return!1;if("TSNamespaceExportDeclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeAnnotation=function(e,t){if(!e)return!1;if("TSTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeParameterInstantiation=function(e,t){if(!e)return!1;if("TSTypeParameterInstantiation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeParameterDeclaration=function(e,t){if(!e)return!1;if("TSTypeParameterDeclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeParameter=function(e,t){if(!e)return!1;if("TSTypeParameter"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExpression=function(e,t){if(!e)return!1;const r=e.type;if("ArrayExpression"===r||"AssignmentExpression"===r||"BinaryExpression"===r||"CallExpression"===r||"ConditionalExpression"===r||"FunctionExpression"===r||"Identifier"===r||"StringLiteral"===r||"NumericLiteral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"RegExpLiteral"===r||"LogicalExpression"===r||"MemberExpression"===r||"NewExpression"===r||"ObjectExpression"===r||"SequenceExpression"===r||"ParenthesizedExpression"===r||"ThisExpression"===r||"UnaryExpression"===r||"UpdateExpression"===r||"ArrowFunctionExpression"===r||"ClassExpression"===r||"MetaProperty"===r||"Super"===r||"TaggedTemplateExpression"===r||"TemplateLiteral"===r||"YieldExpression"===r||"AwaitExpression"===r||"Import"===r||"BigIntLiteral"===r||"OptionalMemberExpression"===r||"OptionalCallExpression"===r||"TypeCastExpression"===r||"JSXElement"===r||"JSXFragment"===r||"BindExpression"===r||"PipelinePrimaryTopicReference"===r||"DoExpression"===r||"RecordExpression"===r||"TupleExpression"===r||"DecimalLiteral"===r||"ModuleExpression"===r||"TSAsExpression"===r||"TSTypeAssertion"===r||"TSNonNullExpression"===r||"Placeholder"===r&&("Expression"===e.expectedNode||"Identifier"===e.expectedNode||"StringLiteral"===e.expectedNode))return void
0===t||(0,n.default)(e,t);return!1},t.isBinary=function(e,t){if(!e)return!1;const r=e.type;if("BinaryExpression"===r||"LogicalExpression"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isScopable=function(e,t){if(!e)return!1;const r=e.type;if("BlockStatement"===r||"CatchClause"===r||"DoWhileStatement"===r||"ForInStatement"===r||"ForStatement"===r||"FunctionDeclaration"===r||"FunctionExpression"===r||"Program"===r||"ObjectMethod"===r||"SwitchStatement"===r||"WhileStatement"===r||"ArrowFunctionExpression"===r||"ClassExpression"===r||"ClassDeclaration"===r||"ForOfStatement"===r||"ClassMethod"===r||"ClassPrivateMethod"===r||"StaticBlock"===r||"TSMODULEBLOCK"===r||"Placeholder"===r&&"BlockStatement"===e.expectedNode)return void
0===t||(0,n.default)(e,t);return!1},t.isBlockParent=function(e,t){if(!e)return!1;const r=e.type;if("BlockStatement"===r||"CatchClause"===r||"DoWhileStatement"===r||"ForInStatement"===r||"ForStatement"===r||"FunctionDeclaration"===r||"FunctionExpression"===r||"Program"===r||"ObjectMethod"===r||"SwitchStatement"===r||"WhileStatement"===r||"ArrowFunctionExpression"===r||"ForOfStatement"===r||"ClassMethod"===r||"ClassPrivateMethod"===r||"StaticBlock"===r||"TSMODULEBLOCK"===r||"Placeholder"===r&&"BlockStatement"===e.expectedNode)return void
0===t||(0,n.default)(e,t);return!1},t.isBlock=function(e,t){if(!e)return!1;const r=e.type;if("BlockStatement"===r||"Program"===r||"TSMODULEBLOCK"===r||"Placeholder"===r&&"BlockStatement"===e.expectedNode)return void
0===t||(0,n.default)(e,t);return!1},t.isStatement=function(e,t){if(!e)return!1;const r=e.type;if("BlockStatement"===r||"BreakStatement"===r||"ContinueStatement"===r||"DebuggerStatement"===r||"DoWhileStatement"===r||"EmptyStatement"===r||"ExpressionStatement"===r||"ForInStatement"===r||"ForStatement"===r||"FunctionDeclaration"===r||"IfStatement"===r||"LabeledStatement"===r||"ReturnStatement"===r||"SwitchStatement"===r||"ThrowStatement"===r||"TryStatement"===r||"VariableDeclaration"===r||"WhileStatement"===r||"WithStatement"===r||"ClassDeclaration"===r||"ExportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportNamedDeclaration"===r||"ForOfStatement"===r||"ImportDeclaration"===r||"DeclareClass"===r||"DeclareFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareModuleExports"===r||"DeclareTypeAlias"===r||

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"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExportDeclaration"===r||"DeclareExportAllDeclaration"===r||"InterfaceDeclaration"===r||"OpaqueType"===r||"TypeAlias"===r||"EnumDeclaration"===r||"TSDeclareFunction"===r||"TSInterfaceDeclaration"===r||"TSTypeAliasDeclaration"===r||"TSEnumDeclaration"===r||"TSMODULEDeclaration"===r||"TSImportEqualsDeclaration"===r||"TSExportAssignment"===r||"TSNamespaceExportDeclaration"===r||"Placeholder"===r&&("Statement"===e.expectedNode||"Declaration"===e.expectedNode||"BlockStatement"===e.expectedNode))return void
0===t||(0,n.default)(e,t);return!1},t.isTerminatorless=function(e,t){if(!e)return!1;const r=e.type;if("BreakStatement"===r||"ContinueStatement"===r||"ReturnStatement"===r||"ThrowStatement"===r||"YieldExpression"===r||"AwaitExpression"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isCompletionStatement=function(e,t){if(!e)return!1;const r=e.type;if("BreakStatement"===r||"ContinueStatement"===r||"ReturnStatement"===r||"ThrowStatement"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isConditional=function(e,t){if(!e)return!1;const r=e.type;if("ConditionalExpression"===r||"IfStatement"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isLoop=function(e,t){if(!e)return!1;const r=e.type;if("DoWhileStatement"===r||"ForInStatement"===r||"ForStatement"===r||"WhileStatement"===r||"ForOfStatement"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isWhile=function(e,t){if(!e)return!1;const r=e.type;if("DoWhileStatement"===r||"WhileStatement"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isExpressionWrapper=function(e,t){if(!e)return!1;const r=e.type;if("ExpressionStatement"===r||"ParenthesizedExpression"===r||"TypeCastExpression"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFor=function(e,t){if(!e)return!1;const r=e.type;if("ForInStatement"===r||"ForStatement"===r||"ForOfStatement"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isForXStatement=function(e,t){if(!e)return!1;const r=e.type;if("ForInStatement"===r||"ForOfStatement"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFunction=function(e,t){if(!e)return!1;const r=e.type;if("FunctionDeclaration"===r||"FunctionExpression"===r||"ObjectMethod"===r||"ArrowFunctionExpression"===r||"ClassMethod"===r||"ClassPrivateMethod"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFunctionParent=function(e,t){if(!e)return!1;const r=e.type;if("FunctionDeclaration"===r||"FunctionExpression"===r||"ObjectMethod"===r||"ArrowFunctionExpression"===r||"ClassMethod"===r||"ClassPrivateMethod"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isPureish=function(e,t){if(!e)return!1;const r=e.type;if("FunctionDeclaration"===r||"FunctionExpression"===r||"StringLiteral"===r||"NumericLiteral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"RegExpLiteral"===r||"ArrowFunctionExpression"===r||"BigIntLiteral"===r||"DecimalLiteral"===r||"Placeholder"===r&&"StringLiteral"===e.expectedNode)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclaration=function(e,t){if(!e)return!1;const r=e.type;if("FunctionDeclaration"===r||"VariableDeclaration"===r||"ClassDeclaration"===r||"ExportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportNamedDeclaration"===r||"ImportDeclaration"===r||"DeclareClass"===r||"DeclareFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareModuleExports"===r||"DeclareTypeAlias"===r||"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExportDeclaration"===r||"DeclareExportAllDeclaration"===r||"InterfaceDeclaration"===r||"OpaqueType"===r||"TypeAlias"===r||"EnumDeclaration"===r||"TSDeclareFunction"===r||"TSInterfaceDeclaration"===r||"TSTypeAliasDeclaration"===r||"TSEnumDeclaration"===r||"TSMODULEDeclaration"===r||"Placeholder"===r&&"Declaration"===e.expectedNode)return void
0===t||(0,n.default)(e,t);return!1},t.isPatternLike=function(e,t){if(!e)return!1;const r=e.type;if("Identifier"===r||"RestElement"===r||"AssignmentPattern"===r||"ArrayPattern"===r||"ObjectPattern"===r||"Placeholder"===r&&("Pattern"===e.expectedNode||"Identifier"===e.expectedNode))return void
0===t||(0,n.default)(e,t);return!1},t.isLVal=function(e,t){if(!e)return!1;const r=e.type;if("Identifier"===r||"MemberExpression"===r||"RestElement"===r||"AssignmentPattern"===r||"ArrayPattern"===r||"ObjectPattern"===r||"TSParameterProperty"===r||"Placeholder"===r&&("Pattern"===e.expectedNode||"Identifier"===e.expectedNode))return void

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0===t||(0,n.default)(e,t);return!1},t.isTSEntityName=function(e,t){if(!e)return!1;const
r=e.type;if("Identifier"===r||"TSQualifiedName"===r||"Placeholder"===r&&"Identifier"===e.expectedNode)return
void 0===t||(0,n.default)(e,t);return!1},t.isLiteral=function(e,t){if(!e)return!1;const
r=e.type;if("StringLiteral"===r||"NumericLiteral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"RegExpLiteral"=
===r||"TemplateLiteral"===r||"BigIntLiteral"===r||"DecimalLiteral"===r||"Placeholder"===r&&"StringLiteral"===e.
expectedNode)return void 0===t||(0,n.default)(e,t);return!1},t.isImmutable=function(e,t){if(!e)return!1;const
r=e.type;if("StringLiteral"===r||"NumericLiteral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"BigIntLiteral"==
=r||"JSXAttribute"===r||"JSXClosingElement"===r||"JSXElement"===r||"JSXExpressionContainer"===r||"JSXSpred
adChild"===r||"JSXOpeningElement"===r||"JSXText"===r||"JSXFragment"===r||"JSXOpeningFragment"===r||"JS
XClosingFragment"===r||"DecimalLiteral"===r||"Placeholder"===r&&"StringLiteral"===e.expectedNode)return
void 0===t||(0,n.default)(e,t);return!1},t.isUserWhitespacable=function(e,t){if(!e)return!1;const
r=e.type;if("ObjectMethod"===r||"ObjectProperty"===r||"ObjectTypeInternalSlot"===r||"ObjectTypeCallProperty"=
===r||"ObjectTypeIndexer"===r||"ObjectTypeProperty"===r||"ObjectTypeSpreadProperty"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isMethod=function(e,t){if(!e)return!1;const
r=e.type;if("ObjectMethod"===r||"ClassMethod"===r||"ClassPrivateMethod"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectMember=function(e,t){if(!e)return!1;const
r=e.type;if("ObjectMethod"===r||"ObjectProperty"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isProperty=function(e,t){if(!e)return!1;const
r=e.type;if("ObjectProperty"===r||"ClassProperty"===r||"ClassPrivateProperty"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isUnaryLike=function(e,t){if(!e)return!1;const
r=e.type;if("UnaryExpression"===r||"SpreadElement"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isPattern=function(e,t){if(!e)return!1;const
r=e.type;if("AssignmentPattern"===r||"ArrayPattern"===r||"ObjectPattern"===r||"Placeholder"===r&&"Pattern"==
=e.expectedNode)return void 0===t||(0,n.default)(e,t);return!1},t.isClass=function(e,t){if(!e)return!1;const
r=e.type;if("ClassExpression"===r||"ClassDeclaration"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isModuleDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("ExportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportNamedDeclaration"===r||"Import
Declaration"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isExportDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("ExportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportNamedDeclaration"===r)return
void 0===t||(0,n.default)(e,t);return!1},t.isModuleSpecifier=function(e,t){if(!e)return!1;const
r=e.type;if("ExportSpecifier"===r||"ImportDefaultSpecifier"===r||"ImportNamespaceSpecifier"===r||"ImportSpecif
ier"===r||"ExportNamespaceSpecifier"===r||"ExportDefaultSpecifier"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFlow=function(e,t){if(!e)return!1;const
r=e.type;if("AnyTypeAnnotation"===r||"ArrayTypeAnnotation"===r||"BooleanTypeAnnotation"===r||"BooleanLite
ralTypeAnnotation"===r||"NullLiteralTypeAnnotation"===r||"ClassImplements"===r||"DeclareClass"===r||"Declar
eFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareModuleExports"===r||"DeclareTypeAlias
"===r||"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExportDeclaration"===r||"DeclareExportAllDe
claration"===r||"DeclaredPredicate"===r||"ExistsTypeAnnotation"===r||"FunctionTypeAnnotation"===r||"Function
TypeParam"===r||"GenericTypeAnnotation"===r||"InferredPredicate"===r||"InterfaceExtends"===r||"InterfaceDecl
aration"===r||"InterfaceTypeAnnotation"===r||"IntersectionTypeAnnotation"===r||"MixedTypeAnnotation"===r||"
EmptyTypeAnnotation"===r||"NullableTypeAnnotation"===r||"NumberLiteralTypeAnnotation"===r||"NumberType
Annotation"===r||"ObjectTypeAnnotation"===r||"ObjectTypeInternalSlot"===r||"ObjectTypeCallProperty"===r||"O
bjectTypeIndexer"===r||"ObjectTypeProperty"===r||"ObjectTypeSpreadProperty"===r||"OpaqueType"===r||"Quali
fiedTypeIdentifier"===r||"StringLiteralTypeAnnotation"===r||"StringTypeAnnotation"===r||"SymbolTypeAnnotati
on"===r||"ThisTypeAnnotation"===r||"TupleTypeAnnotation"===r||"TypeofTypeAnnotation"===r||"TypeAlias"==
=r||"TypeAnnotation"===r||"TypeCastExpression"===r||"TypeParameter"===r||"TypeParameterDeclaration"===r||"
TypeParameterInstantiation"===r||"UnionTypeAnnotation"===r||"Variance"===r||"VoidTypeAnnotation"===r||"Ind

```

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exedAccessType"===r||"OptionalIndexedAccessType"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFlowType=function(e,t){if(!e)return!1;const
r=e.type;if("AnyTypeAnnotation"===r||"ArrayTypeAnnotation"===r||"BooleanTypeAnnotation"===r||"BooleanLite
ralTypeAnnotation"===r||"NullLiteralTypeAnnotation"===r||"ExistsTypeAnnotation"===r||"FunctionTypeAnnotati
on"===r||"GenericTypeAnnotation"===r||"InterfaceTypeAnnotation"===r||"IntersectionTypeAnnotation"===r||"Mix
edTypeAnnotation"===r||"EmptyTypeAnnotation"===r||"NullableTypeAnnotation"===r||"NumberLiteralTypeAnno
tation"===r||"NumberTypeAnnotation"===r||"ObjectTypeAnnotation"===r||"StringLiteralTypeAnnotation"===r||"St
ringTypeAnnotation"===r||"SymbolTypeAnnotation"===r||"ThisTypeAnnotation"===r||"TupleTypeAnnotation"===
=r||"TypeofTypeAnnotation"===r||"UnionTypeAnnotation"===r||"VoidTypeAnnotation"===r||"IndexedAccessType
"===r||"OptionalIndexedAccessType"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFlowBaseAnnotation=function(e,t){if(!e)return!1;const
r=e.type;if("AnyTypeAnnotation"===r||"BooleanTypeAnnotation"===r||"NullLiteralTypeAnnotation"===r||"Mixed
TypeAnnotation"===r||"EmptyTypeAnnotation"===r||"NumberTypeAnnotation"===r||"StringTypeAnnotation"===r
||"SymbolTypeAnnotation"===r||"ThisTypeAnnotation"===r||"VoidTypeAnnotation"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFlowDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("DeclareClass"===r||"DeclareFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareM
oduleExports"===r||"DeclareTypeAlias"===r||"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExport
Declaration"===r||"DeclareExportAllDeclaration"===r||"InterfaceDeclaration"===r||"OpaqueType"===r||"TypeAlia
s"===r)return void 0===t||(0,n.default)(e,t);return!1},t.isFlowPredicate=function(e,t){if(!e)return!1;const
r=e.type;if("DeclaredPredicate"===r||"InferredPredicate"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumBody=function(e,t){if(!e)return!1;const
r=e.type;if("EnumBooleanBody"===r||"EnumNumberBody"===r||"EnumStringBody"===r||"EnumSymbolBody"===
=r)return void 0===t||(0,n.default)(e,t);return!1},t.isEnumMember=function(e,t){if(!e)return!1;const
r=e.type;if("EnumBooleanMember"===r||"EnumNumberMember"===r||"EnumStringMember"===r||"EnumDefault
edMember"===r)return void 0===t||(0,n.default)(e,t);return!1},t.isJSX=function(e,t){if(!e)return!1;const
r=e.type;if("JSXAttribute"===r||"JSXClosingElement"===r||"JSXElement"===r||"JSXEmptyExpression"===r||"JSX
ExpressionContainer"===r||"JSXSpreadChild"===r||"JSXIdentifier"===r||"JSXMemberExpression"===r||"JSXNam
espacedName"===r||"JSXOpeningElement"===r||"JSXSpreadAttribute"===r||"JSXText"===r||"JSXFragment"===r
||"JSXOpeningFragment"===r||"JSXClosingFragment"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isPrivate=function(e,t){if(!e)return!1;const
r=e.type;if("ClassPrivateProperty"===r||"ClassPrivateMethod"===r||"PrivateName"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeElement=function(e,t){if(!e)return!1;const
r=e.type;if("TSCallSignatureDeclaration"===r||"TSConstructSignatureDeclaration"===r||"TSPropertySignature"===
=r||"TSMethodSignature"===r||"TSIndexSignature"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isTSType=function(e,t){if(!e)return!1;const
r=e.type;if("TSAnyKeyword"===r||"TSBooleanKeyword"===r||"TSBigIntKeyword"===r||"TSIntrinsicKeyword"===
=r||"TSNeverKeyword"===r||"TSNullKeyword"===r||"TSNumberKeyword"===r||"TSObjectKeyword"===r||"TSStr
ingKeyword"===r||"TSSymbolKeyword"===r||"TSUndefinedKeyword"===r||"TSUnknownKeyword"===r||"TSVoi
dKeyword"===r||"TSThisType"===r||"TSFunctionType"===r||"TSConstructorType"===r||"TSTypeReference"===r
||"TSTypePredicate"===r||"TSTypeQuery"===r||"TSTypeLiteral"===r||"TSArrayType"===r||"TSTupleType"===r||
"TSOptionalType"===r||"TSRestType"===r||"TSUnionType"===r||"TSIntersectionType"===r||"TSConditionalType"
===r||"TSInferType"===r||"TSParenthesizedType"===r||"TSTypeOperator"===r||"TSIndexedAccessType"===r||"T
SMappedType"===r||"TSLiteralType"===r||"TSExpressionWithTypeArguments"===r||"TSImportType"===r)return
void 0===t||(0,n.default)(e,t);return!1},t.isTSBaseType=function(e,t){if(!e)return!1;const
r=e.type;if("TSAnyKeyword"===r||"TSBooleanKeyword"===r||"TSBigIntKeyword"===r||"TSIntrinsicKeyword"===
=r||"TSNeverKeyword"===r||"TSNullKeyword"===r||"TSNumberKeyword"===r||"TSObjectKeyword"===r||"TSStr
ingKeyword"===r||"TSSymbolKeyword"===r||"TSUndefinedKeyword"===r||"TSUnknownKeyword"===r||"TSVoi
dKeyword"===r||"TSThisType"===r||"TSLiteralType"===r)return void

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0===t||(0,n.default)(e,t);return!1},t.isNumberLiteral=function(e,t){if(console.trace("The node type NumberLiteral
has been renamed to NumericLiteral"),!e)return!1;if("NumberLiteral"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isRegexLiteral=function(e,t){if(console.trace("The node type RegexLiteral has
been renamed to RegExpLiteral"),!e)return!1;if("RegexLiteral"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isRestProperty=function(e,t){if(console.trace("The node type RestProperty has
been renamed to RestElement"),!e)return!1;if("RestProperty"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isSpreadProperty=function(e,t){if(console.trace("The node type SpreadProperty
has been renamed to SpreadElement"),!e)return!1;if("SpreadProperty"===e.type)return void
0===t||(0,n.default)(e,t);return!1};var n=r(54)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.isArrayExpression=function(e,t){if(!e)return!1;if("Array
Expression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isAssignmentExpression=function(e,t){if(!e)return!1;if("AssignmentExpression"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBinaryExpression=function(e,t){if(!e)return!1;if("BinaryExpression"===e.type)
return void
0===t||(0,i.default)(e,t);return!1},t.isInterpreterDirective=function(e,t){if(!e)return!1;if("InterpreterDirective"===e.t
ype)return void
0===t||(0,i.default)(e,t);return!1},t.isDirective=function(e,t){if(!e)return!1;if("Directive"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDirectiveLiteral=function(e,t){if(!e)return!1;if("DirectiveLiteral"===e.type)retu
rn void
0===t||(0,i.default)(e,t);return!1},t.isBlockStatement=function(e,t){if(!e)return!1;if("BlockStatement"===e.type)retu
rn void
0===t||(0,i.default)(e,t);return!1},t.isBreakStatement=function(e,t){if(!e)return!1;if("BreakStatement"===e.type)retu
rn void
0===t||(0,i.default)(e,t);return!1},t.isCallExpression=function(e,t){if(!e)return!1;if("CallExpression"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isCatchClause=function(e,t){if(!e)return!1;if("CatchClause"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isConditionalExpression=function(e,t){if(!e)return!1;if("ConditionalExpression"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isContinueStatement=function(e,t){if(!e)return!1;if("ContinueStatement"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isDebuggerStatement=function(e,t){if(!e)return!1;if("DebuggerStatement"===e.t
ype)return void
0===t||(0,i.default)(e,t);return!1},t.isDoWhileStatement=function(e,t){if(!e)return!1;if("DoWhileStatement"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isEmptyStatement=function(e,t){if(!e)return!1;if("EmptyStatement"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isExpressionStatement=function(e,t){if(!e)return!1;if("ExpressionStatement"===
e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isFile=function(e,t){if(!e)return!1;if("File"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isForInStatement=function(e,t){if(!e)return!1;if("ForInStatement"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isForStatement=function(e,t){if(!e)return!1;if("ForStatement"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isFunctionDeclaration=function(e,t){if(!e)return!1;if("FunctionDeclaration"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isFunctionExpression=function(e,t){if(!e)return!1;if("FunctionExpression"===e.t

```

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ype)return void
0===t||(0,i.default)(e,t);return!1},t.isIdentifier=function(e,t){if(!e)return!1;if("Identifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isIfStatement=function(e,t){if(!e)return!1;if("IfStatement"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isLabeledStatement=function(e,t){if(!e)return!1;if("LabeledStatement"===e.type
)return void
0===t||(0,i.default)(e,t);return!1},t.isStringLiteral=function(e,t){if(!e)return!1;if("StringLiteral"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isNumericLiteral=function(e,t){if(!e)return!1;if("NumericLiteral"===e.type)retur
n void 0===t||(0,i.default)(e,t);return!1},t.isNullLiteral=function(e,t){if(!e)return!1;if("NullLiteral"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isBooleanLiteral=function(e,t){if(!e)return!1;if("BooleanLiteral"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isRegExpLiteral=function(e,t){if(!e)return!1;if("RegExpLiteral"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isLogicalExpression=function(e,t){if(!e)return!1;if("LogicalExpression"===e.typ
e)return void
0===t||(0,i.default)(e,t);return!1},t.isMemberExpression=function(e,t){if(!e)return!1;if("MemberExpression"===e.t
ype)return void
0===t||(0,i.default)(e,t);return!1},t.isNewExpression=function(e,t){if(!e)return!1;if("NewExpression"===e.type)retu
rn void 0===t||(0,i.default)(e,t);return!1},t.isProgram=function(e,t){if(!e)return!1;if("Program"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isObjectExpression=function(e,t){if(!e)return!1;if("ObjectExpression"===e.type)
return void
0===t||(0,i.default)(e,t);return!1},t.isObjectMethod=function(e,t){if(!e)return!1;if("ObjectMethod"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isObjectProperty=function(e,t){if(!e)return!1;if("ObjectProperty"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isRestElement=function(e,t){if(!e)return!1;if("RestElement"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isReturnStatement=function(e,t){if(!e)return!1;if("ReturnStatement"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isSequenceExpression=function(e,t){if(!e)return!1;if("SequenceExpression"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isParenthesizedExpression=function(e,t){if(!e)return!1;if("ParenthesizedExpressi
on"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isSwitchCase=function(e,t){if(!e)return!1;if("SwitchCase"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isSwitchStatement=function(e,t){if(!e)return!1;if("SwitchStatement"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isThisExpression=function(e,t){if(!e)return!1;if("ThisExpression"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isThrowStatement=function(e,t){if(!e)return!1;if("ThrowStatement"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isTryStatement=function(e,t){if(!e)return!1;if("TryStatement"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isUnaryExpression=function(e,t){if(!e)return!1;if("UnaryExpression"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isUpdateExpression=function(e,t){if(!e)return!1;if("UpdateExpression"===e.type
)return void

```

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0===t||(0,i.default)(e,t);return!1},t.isVariableDeclaration=function(e,t){if(!e)return!1;if("VariableDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isVariableDeclarator=function(e,t){if(!e)return!1;if("VariableDeclarator"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isWhileStatement=function(e,t){if(!e)return!1;if("WhileStatement"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isWithStatement=function(e,t){if(!e)return!1;if("WithStatement"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isAssignmentPattern=function(e,t){if(!e)return!1;if("AssignmentPattern"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isArrayPattern=function(e,t){if(!e)return!1;if("ArrayPattern"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isArrowFunctionExpression=function(e,t){if(!e)return!1;if("ArrowFunctionExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassBody=function(e,t){if(!e)return!1;if("ClassBody"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassExpression=function(e,t){if(!e)return!1;if("ClassExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassDeclaration=function(e,t){if(!e)return!1;if("ClassDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExportAllDeclaration=function(e,t){if(!e)return!1;if("ExportAllDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExportDefaultDeclaration=function(e,t){if(!e)return!1;if("ExportDefaultDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExportNamedDeclaration=function(e,t){if(!e)return!1;if("ExportNamedDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExportSpecifier=function(e,t){if(!e)return!1;if("ExportSpecifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isForOfStatement=function(e,t){if(!e)return!1;if("ForOfStatement"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isImportDeclaration=function(e,t){if(!e)return!1;if("ImportDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isImportDefaultSpecifier=function(e,t){if(!e)return!1;if("ImportDefaultSpecifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isImportNamespaceSpecifier=function(e,t){if(!e)return!1;if("ImportNamespaceSpecifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isImportSpecifier=function(e,t){if(!e)return!1;if("ImportSpecifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isMetaProperty=function(e,t){if(!e)return!1;if("MetaProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassMethod=function(e,t){if(!e)return!1;if("ClassMethod"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectPattern=function(e,t){if(!e)return!1;if("ObjectPattern"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isSpreadElement=function(e,t){if(!e)return!1;if("SpreadElement"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isSuper=function(e,t){if(!e)return!1;if("Super"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTaggedTemplateExpression=function(e,t){if(!e)return!1;if("TaggedTemplateExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTemplateElement=function(e,t){if(!e)return!1;if("TemplateElement"===e.type)

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return void
0===t||(0,i.default)(e,t);return!1},t.isTemplateLiteral=function(e,t){if(!e)return!1;if("TemplateLiteral"===e.type)ret
urn void
0===t||(0,i.default)(e,t);return!1},t.isYieldExpression=function(e,t){if(!e)return!1;if("YieldExpression"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isAwaitExpression=function(e,t){if(!e)return!1;if("AwaitExpression"===e.type)r
eturn void 0===t||(0,i.default)(e,t);return!1},t.isImport=function(e,t){if(!e)return!1;if("Import"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBigIntLiteral=function(e,t){if(!e)return!1;if("BigIntLiteral"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isExportNamespaceSpecifier=function(e,t){if(!e)return!1;if("ExportNamespaceS
pecifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isOptionalMemberExpression=function(e,t){if(!e)return!1;if("OptionalMemberE
xpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isOptionalCallExpression=function(e,t){if(!e)return!1;if("OptionalCallExpression
"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isAnyTypeAnnotation=function(e,t){if(!e)return!1;if("AnyTypeAnnotation"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isArrayTypeAnnotation=function(e,t){if(!e)return!1;if("ArrayTypeAnnotation"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBooleanTypeAnnotation=function(e,t){if(!e)return!1;if("BooleanTypeAnnotati
on"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBooleanLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("BooleanLiteralT
ypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNullLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("NullLiteralTypeAnn
otation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassImplements=function(e,t){if(!e)return!1;if("ClassImplements"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isDeclareClass=function(e,t){if(!e)return!1;if("DeclareClass"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isDeclareFunction=function(e,t){if(!e)return!1;if("DeclareFunction"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isDeclareInterface=function(e,t){if(!e)return!1;if("DeclareInterface"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isDeclareModule=function(e,t){if(!e)return!1;if("DeclareModule"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isDeclareModuleExports=function(e,t){if(!e)return!1;if("DeclareModuleExports"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareTypeAlias=function(e,t){if(!e)return!1;if("DeclareTypeAlias"===e.type
)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareOpaqueType=function(e,t){if(!e)return!1;if("DeclareOpaqueType"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareVariable=function(e,t){if(!e)return!1;if("DeclareVariable"===e.type)ret
urn void
0===t||(0,i.default)(e,t);return!1},t.isDeclareExportDeclaration=function(e,t){if(!e)return!1;if("DeclareExportDeclar
ation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareExportAllDeclaration=function(e,t){if(!e)return!1;if("DeclareExportAll
Declaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclaredPredicate=function(e,t){if(!e)return!1;if("DeclaredPredicate"===e.type

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)return void
0===t||(0,i.default)(e,t);return!1},t.isExistsTypeAnnotation=function(e,t){if(!e)return!1;if("ExistsTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isFunctionTypeAnnotation=function(e,t){if(!e)return!1;if("FunctionTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isFunctionTypeParam=function(e,t){if(!e)return!1;if("FunctionTypeParam"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isGenericTypeAnnotation=function(e,t){if(!e)return!1;if("GenericTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isInferredPredicate=function(e,t){if(!e)return!1;if("InferredPredicate"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isInterfaceExtends=function(e,t){if(!e)return!1;if("InterfaceExtends"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isInterfaceDeclaration=function(e,t){if(!e)return!1;if("InterfaceDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isInterfaceTypeAnnotation=function(e,t){if(!e)return!1;if("InterfaceTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isIntersectionTypeAnnotation=function(e,t){if(!e)return!1;if("IntersectionTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isMixedTypeAnnotation=function(e,t){if(!e)return!1;if("MixedTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEmptyTypeAnnotation=function(e,t){if(!e)return!1;if("EmptyTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNullableTypeAnnotation=function(e,t){if(!e)return!1;if("NullableTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNumberLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("NumberLiteralTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNumberTypeAnnotation=function(e,t){if(!e)return!1;if("NumberTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeAnnotation=function(e,t){if(!e)return!1;if("ObjectTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeInternalSlot=function(e,t){if(!e)return!1;if("ObjectTypeInternalSlot"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeCallProperty=function(e,t){if(!e)return!1;if("ObjectTypeCallProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeIndexer=function(e,t){if(!e)return!1;if("ObjectTypeIndexer"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeProperty=function(e,t){if(!e)return!1;if("ObjectTypeProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeSpreadProperty=function(e,t){if(!e)return!1;if("ObjectTypeSpreadProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isOpaqueType=function(e,t){if(!e)return!1;if("OpaqueType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isQualifiedTypeIdentifier=function(e,t){if(!e)return!1;if("QualifiedTypeIdentifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isStringLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("StringLiteralTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isStringTypeAnnotation=function(e,t){if(!e)return!1;if("StringTypeAnnotation"=

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===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isSymbolTypeAnnotation=function(e,t){if(!e)return!1;if("SymbolTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isThisTypeAnnotation=function(e,t){if(!e)return!1;if("ThisTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTupleTypeAnnotation=function(e,t){if(!e)return!1;if("TupleTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeofTypeAnnotation=function(e,t){if(!e)return!1;if("TypeofTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeAlias=function(e,t){if(!e)return!1;if("TypeAlias"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeAnnotation=function(e,t){if(!e)return!1;if("TypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeCastExpression=function(e,t){if(!e)return!1;if("TypeCastExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeParameter=function(e,t){if(!e)return!1;if("TypeParameter"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeParameterDeclaration=function(e,t){if(!e)return!1;if("TypeParameterDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeParameterInstantiation=function(e,t){if(!e)return!1;if("TypeParameterInstantiation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isUnionTypeAnnotation=function(e,t){if(!e)return!1;if("UnionTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isVariance=function(e,t){if(!e)return!1;if("Variance"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isVoidTypeAnnotation=function(e,t){if(!e)return!1;if("VoidTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumDeclaration=function(e,t){if(!e)return!1;if("EnumDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumBooleanBody=function(e,t){if(!e)return!1;if("EnumBooleanBody"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumNumberBody=function(e,t){if(!e)return!1;if("EnumNumberBody"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumStringBody=function(e,t){if(!e)return!1;if("EnumStringBody"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumSymbolBody=function(e,t){if(!e)return!1;if("EnumSymbolBody"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumBooleanMember=function(e,t){if(!e)return!1;if("EnumBooleanMember"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumNumberMember=function(e,t){if(!e)return!1;if("EnumNumberMember"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumStringMember=function(e,t){if(!e)return!1;if("EnumStringMember"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumDefaultedMember=function(e,t){if(!e)return!1;if("EnumDefaultedMember"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXAttribute=function(e,t){if(!e)return!1;if("JSXAttribute"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXClosingElement=function(e,t){if(!e)return!1;if("JSXClosingElement"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXElement=function(e,t){if(!e)return!1;if("JSXElement"===e.type)return

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void
0===t||(0,i.default)(e,t);return!1},t.isJSXEmptyExpression=function(e,t){if(!e)return!1;if("JSXEmptyExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXExpressionContainer=function(e,t){if(!e)return!1;if("JSXExpressionContainer"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXSpreadChild=function(e,t){if(!e)return!1;if("JSXSpreadChild"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXIdentifier=function(e,t){if(!e)return!1;if("JSXIdentifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXMemberExpression=function(e,t){if(!e)return!1;if("JSXMemberExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXNamespacedName=function(e,t){if(!e)return!1;if("JSXNamespacedName"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXOpeningElement=function(e,t){if(!e)return!1;if("JSXOpeningElement"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXSpreadAttribute=function(e,t){if(!e)return!1;if("JSXSpreadAttribute"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXText=function(e,t){if(!e)return!1;if("JSXText"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXFragment=function(e,t){if(!e)return!1;if("JSXFragment"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXOpeningFragment=function(e,t){if(!e)return!1;if("JSXOpeningFragment"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXClosingFragment=function(e,t){if(!e)return!1;if("JSXClosingFragment"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNoop=function(e,t){if(!e)return!1;if("Noop"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPlaceholder=function(e,t){if(!e)return!1;if("Placeholder"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isV8IntrinsicIdentifier=function(e,t){if(!e)return!1;if("V8IntrinsicIdentifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isArgumentPlaceholder=function(e,t){if(!e)return!1;if("ArgumentPlaceholder"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBindExpression=function(e,t){if(!e)return!1;if("BindExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassProperty=function(e,t){if(!e)return!1;if("ClassProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPipelineTopicExpression=function(e,t){if(!e)return!1;if("PipelineTopicExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPipelineBareFunction=function(e,t){if(!e)return!1;if("PipelineBareFunction"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPipelinePrimaryTopicReference=function(e,t){if(!e)return!1;if("PipelinePrimaryTopicReference"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassPrivateProperty=function(e,t){if(!e)return!1;if("ClassPrivateProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassPrivateMethod=function(e,t){if(!e)return!1;if("ClassPrivateMethod"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isImportAttribute=function(e,t){if(!e)return!1;if("ImportAttribute"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDecorator=function(e,t){if(!e)return!1;if("Decorator"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDoExpression=function(e,t){if(!e)return!1;if("DoExpression"===e.type)return

```

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void
0===t||(0,i.default)(e,t);return!1},t.isExportDefaultSpecifier=function(e,t){if(!e)return!1;if("ExportDefaultSpecifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPrivateName=function(e,t){if(!e)return!1;if("PrivateName"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isRecordExpression=function(e,t){if(!e)return!1;if("RecordExpression"===e.type
)return void
0===t||(0,i.default)(e,t);return!1},t.isTupleExpression=function(e,t){if(!e)return!1;if("TupleExpression"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isDecimalLiteral=function(e,t){if(!e)return!1;if("DecimalLiteral"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isStaticBlock=function(e,t){if(!e)return!1;if("StaticBlock"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSParameterProperty=function(e,t){if(!e)return!1;if("TSParameterProperty"===
=e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSDeclareFunction=function(e,t){if(!e)return!1;if("TSDeclareFunction"===e.t
ype)return void
0===t||(0,i.default)(e,t);return!1},t.isTSDeclareMethod=function(e,t){if(!e)return!1;if("TSDeclareMethod"===e.typ
e)return void
0===t||(0,i.default)(e,t);return!1},t.isTSQualifiedName=function(e,t){if(!e)return!1;if("TSQualifiedName"===e.type
)return void
0===t||(0,i.default)(e,t);return!1},t.isTSCallSignatureDeclaration=function(e,t){if(!e)return!1;if("TSCallSignatureDe
claration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSConstructSignatureDeclaration=function(e,t){if(!e)return!1;if("TSConstructS
ignatureDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSPropertySignature=function(e,t){if(!e)return!1;if("TSPropertySignature"===
e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSMethodSignature=function(e,t){if(!e)return!1;if("TSMethodSignature"===e.
type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSIndexSignature=function(e,t){if(!e)return!1;if("TSIndexSignature"===e.type
)return void
0===t||(0,i.default)(e,t);return!1},t.isTSAnyKeyword=function(e,t){if(!e)return!1;if("TSAnyKeyword"===e.type)retu
rn void
0===t||(0,i.default)(e,t);return!1},t.isTSBooleanKeyword=function(e,t){if(!e)return!1;if("TSBooleanKeyword"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSBigIntKeyword=function(e,t){if(!e)return!1;if("TSBigIntKeyword"===e.typ
e)return void
0===t||(0,i.default)(e,t);return!1},t.isTSIntrinsicKeyword=function(e,t){if(!e)return!1;if("TSIntrinsicKeyword"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNeverKeyword=function(e,t){if(!e)return!1;if("TSNeverKeyword"===e.type
)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNullKeyword=function(e,t){if(!e)return!1;if("TSNullKeyword"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isTSNumberKeyword=function(e,t){if(!e)return!1;if("TSNumberKeyword"===e.
type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSObjectKeyword=function(e,t){if(!e)return!1;if("TSObjectKeyword"===e.typ
e)return void
0===t||(0,i.default)(e,t);return!1},t.isTSStringKeyword=function(e,t){if(!e)return!1;if("TSStringKeyword"===e.type
)return void

```

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0===t||(0,i.default)(e,t);return!1},t.isTSSymbolKeyword=function(e,t){if(!e)return!1;if("TSSymbolKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSUndefinedKeyword=function(e,t){if(!e)return!1;if("TSUndefinedKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSUnknownKeyword=function(e,t){if(!e)return!1;if("TSUnknownKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSVoidKeyword=function(e,t){if(!e)return!1;if("TSVoidKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSThisType=function(e,t){if(!e)return!1;if("TSThisType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSFunctionType=function(e,t){if(!e)return!1;if("TSFunctionType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSConstructorType=function(e,t){if(!e)return!1;if("TSConstructorType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeReference=function(e,t){if(!e)return!1;if("TSTypeReference"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypePredicate=function(e,t){if(!e)return!1;if("TSTypePredicate"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeQuery=function(e,t){if(!e)return!1;if("TSTypeQuery"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeLiteral=function(e,t){if(!e)return!1;if("TSTypeLiteral"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSArrayType=function(e,t){if(!e)return!1;if("TSArrayType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTupleType=function(e,t){if(!e)return!1;if("TSTupleType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSOptionalType=function(e,t){if(!e)return!1;if("TSOptionalType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSRestType=function(e,t){if(!e)return!1;if("TSRestType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNamedTupleMember=function(e,t){if(!e)return!1;if("TSNamedTupleMember"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSUnionType=function(e,t){if(!e)return!1;if("TSUnionType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSIntersectionType=function(e,t){if(!e)return!1;if("TSIntersectionType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSConditionalType=function(e,t){if(!e)return!1;if("TSConditionalType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSInferType=function(e,t){if(!e)return!1;if("TSInferType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSParenthesizedType=function(e,t){if(!e)return!1;if("TSParenthesizedType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeOperator=function(e,t){if(!e)return!1;if("TSTypeOperator"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSIndexedAccessType=function(e,t){if(!e)return!1;if("TSIndexedAccessType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSMappedType=function(e,t){if(!e)return!1;if("TSMappedType"===e.type)return void

```

```

0===t||(0,i.default)(e,t);return!1},t.isTSLiteralType=function(e,t){if(!e)return!1;if("TSLiteralType"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isTSExpressionWithTypeArguments=function(e,t){if(!e)return!1;if("TSExpressio
nWithTypeArguments"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSInterfaceDeclaration=function(e,t){if(!e)return!1;if("TSInterfaceDeclaration"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSInterfaceBody=function(e,t){if(!e)return!1;if("TSInterfaceBody"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeAliasDeclaration=function(e,t){if(!e)return!1;if("TSTypeAliasDeclarati
on"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSAsExpression=function(e,t){if(!e)return!1;if("TSAsExpression"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeAssertion=function(e,t){if(!e)return!1;if("TSTypeAssertion"===e.type)
return void
0===t||(0,i.default)(e,t);return!1},t.isTSEnumDeclaration=function(e,t){if(!e)return!1;if("TSEnumDeclaration"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSEnumMember=function(e,t){if(!e)return!1;if("TSEnumMember"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isTSMODULEDeclaration=function(e,t){if(!e)return!1;if("TSMODULEDeclaration"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSMODULEBlock=function(e,t){if(!e)return!1;if("TSMODULEBlock"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isTSImportType=function(e,t){if(!e)return!1;if("TSImportType"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isTSImportEqualsDeclaration=function(e,t){if(!e)return!1;if("TSImportEqualsDe
claration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSExternalModuleReference=function(e,t){if(!e)return!1;if("TSExternalModul
eReference"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNonNullExpression=function(e,t){if(!e)return!1;if("TSNonNullExpression"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSExportAssignment=function(e,t){if(!e)return!1;if("TSExportAssignment"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNamespaceExportDeclaration=function(e,t){if(!e)return!1;if("TSNamespace
ExportDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeAnnotation=function(e,t){if(!e)return!1;if("TSTypeAnnotation"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeParameterInstantiation=function(e,t){if(!e)return!1;if("TSTypeParamete
rInstantiation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeParameterDeclaration=function(e,t){if(!e)return!1;if("TSTypeParameter
Declaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeParameter=function(e,t){if(!e)return!1;if("TSTypeParameter"===e.type
)return void
0===t||(0,i.default)(e,t);return!1},t.isExpression=function(e,t){if(!e)return!1;const
r=e.type;if("Expression"===r||"ArrayExpression"===r||"AssignmentExpression"===r||"BinaryExpression"===r||"Ca
llExpression"===r||"ConditionalExpression"===r||"FunctionExpression"===r||"Identifier"===r||"StringLiteral"===r||
"NumericLiteral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"RegExpLiteral"===r||"LogicalExpression"===r||
"MemberExpression"===r||"NewExpression"===r||"ObjectExpression"===r||"SequenceExpression"===r||"Parenthesi
zedExpression"===r||"ThisExpression"===r||"UnaryExpression"===r||"UpdateExpression"===r||"ArrowFunctionEx
pression"===r||"ClassExpression"===r||"MetaProperty"===r||"Super"===r||"TaggedTemplateExpression"===r||"Te

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mplateLiteral"===r||"YieldExpression"===r||"AwaitExpression"===r||"Import"===r||"BigIntLiteral"===r||"Optional
MemberExpression"===r||"OptionalCallExpression"===r||"TypeCastExpression"===r||"JSXElement"===r||"JSXFra
gment"===r||"BindExpression"===r||"PipelinePrimaryTopicReference"===r||"DoExpression"===r||"RecordExpressi
on"===r||"TupleExpression"===r||"DecimalLiteral"===r||"TSAsExpression"===r||"TSTypeAssertion"===r||"TSNon
NullExpression"===r||"Placeholder"===r&&("Expression"===e.expectedNode||"Identifier"===e.expectedNode||"St
ringLiteral"===e.expectedNode))return void
0===t||(0,i.default)(e,t);return!1},t.isBinary=function(e,t){if(!e)return!1;const
r=e.type;if("Binary"===r||"BinaryExpression"===r||"LogicalExpression"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isScopable=function(e,t){if(!e)return!1;const
r=e.type;if("Scopable"===r||"BlockStatement"===r||"CatchClause"===r||"DoWhileStatement"===r||"ForInStatemen
t"===r||"ForStatement"===r||"FunctionDeclaration"===r||"FunctionExpression"===r||"Program"===r||"ObjectMeth
od"===r||"SwitchStatement"===r||"WhileStatement"===r||"ArrowFunctionExpression"===r||"ClassExpression"===
r||"ClassDeclaration"===r||"ForOfStatement"===r||"ClassMethod"===r||"ClassPrivateMethod"===r||"StaticBlock"=
===r||"TSMODULEBlock"===r||"Placeholder"===r&&"BlockStatement"===e.expectedNode)return void
0===t||(0,i.default)(e,t);return!1},t.isBlockParent=function(e,t){if(!e)return!1;const
r=e.type;if("BlockParent"===r||"BlockStatement"===r||"CatchClause"===r||"DoWhileStatement"===r||"ForInState
ment"===r||"ForStatement"===r||"FunctionDeclaration"===r||"FunctionExpression"===r||"Program"===r||"Object
Method"===r||"SwitchStatement"===r||"WhileStatement"===r||"ArrowFunctionExpression"===r||"ForOfStatement"
===r||"ClassMethod"===r||"ClassPrivateMethod"===r||"StaticBlock"===r||"TSMODULEBlock"===r||"Placeholder"==
=r&&"BlockStatement"===e.expectedNode)return void
0===t||(0,i.default)(e,t);return!1},t.isBlock=function(e,t){if(!e)return!1;const
r=e.type;if("Block"===r||"BlockStatement"===r||"Program"===r||"TSMODULEBlock"===r||"Placeholder"===r&&"B
lockStatement"===e.expectedNode)return void
0===t||(0,i.default)(e,t);return!1},t.isStatement=function(e,t){if(!e)return!1;const
r=e.type;if("Statement"===r||"BlockStatement"===r||"BreakStatement"===r||"ContinueStatement"===r||"Debugger
Statement"===r||"DoWhileStatement"===r||"EmptyStatement"===r||"ExpressionStatement"===r||"ForInStatement"
===r||"ForStatement"===r||"FunctionDeclaration"===r||"IfStatement"===r||"LabeledStatement"===r||"ReturnStatem
ent"===r||"SwitchStatement"===r||"ThrowStatement"===r||"TryStatement"===r||"VariableDeclaration"===r||"Whil
eStatement"===r||"WithStatement"===r||"ClassDeclaration"===r||"ExportAllDeclaration"===r||"ExportDefaultDecl
aration"===r||"ExportNamedDeclaration"===r||"ForOfStatement"===r||"ImportDeclaration"===r||"DeclareClass"==
=r||"DeclareFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareModuleExports"===r||"Declare
TypeAlias"===r||"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExportDeclaration"===r||"DeclareEx
portAllDeclaration"===r||"InterfaceDeclaration"===r||"OpaqueType"===r||"TypeAlias"===r||"EnumDeclaration"==
=r||"TSDeclareFunction"===r||"TSInterfaceDeclaration"===r||"TSTypeAliasDeclaration"===r||"TSEnumDeclaratio
n"===r||"TSMODULEDeclaration"===r||"TSImportEqualsDeclaration"===r||"TSEXPORTAssignment"===r||"TSNamesp
aceExportDeclaration"===r||"Placeholder"===r&&("Statement"===e.expectedNode||"Declaration"===e.expectedN
ode||"BlockStatement"===e.expectedNode))return void
0===t||(0,i.default)(e,t);return!1},t.isTerminatorless=function(e,t){if(!e)return!1;const
r=e.type;if("Terminatorless"===r||"BreakStatement"===r||"ContinueStatement"===r||"ReturnStatement"===r||"Thro
wStatement"===r||"YieldExpression"===r||"AwaitExpression"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isCompletionStatement=function(e,t){if(!e)return!1;const
r=e.type;if("CompletionStatement"===r||"BreakStatement"===r||"ContinueStatement"===r||"ReturnStatement"===r
||"ThrowStatement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isConditional=function(e,t){if(!e)return!1;const
r=e.type;if("Conditional"===r||"ConditionalExpression"===r||"IfStatement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isLoop=function(e,t){if(!e)return!1;const
r=e.type;if("Loop"===r||"DoWhileStatement"===r||"ForInStatement"===r||"ForStatement"===r||"WhileStatement"=
===r||"ForOfStatement"===r)return void

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0===t||(0,i.default)(e,t);return!1},t.isWhile=function(e,t){if(!e)return!1;const
r=e.type;if("While"===r||"DoWhileStatement"===r||"WhileStatement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isExpressionWrapper=function(e,t){if(!e)return!1;const
r=e.type;if("ExpressionWrapper"===r||"ExpressionStatement"===r||"ParenthesizedExpression"===r||"TypeCastExp
ression"===r)return void 0===t||(0,i.default)(e,t);return!1},t.isFor=function(e,t){if(!e)return!1;const
r=e.type;if("For"===r||"ForInStatement"===r||"ForStatement"===r||"ForOfStatement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isForXStatement=function(e,t){if(!e)return!1;const
r=e.type;if("ForXStatement"===r||"ForInStatement"===r||"ForOfStatement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isFunction=function(e,t){if(!e)return!1;const
r=e.type;if("Function"===r||"FunctionDeclaration"===r||"FunctionExpression"===r||"ObjectMethod"===r||"ArrowF
unctionExpression"===r||"ClassMethod"===r||"ClassPrivateMethod"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isFunctionParent=function(e,t){if(!e)return!1;const
r=e.type;if("FunctionParent"===r||"FunctionDeclaration"===r||"FunctionExpression"===r||"ObjectMethod"===r||"A
rrowFunctionExpression"===r||"ClassMethod"===r||"ClassPrivateMethod"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isPureish=function(e,t){if(!e)return!1;const
r=e.type;if("Pureish"===r||"FunctionDeclaration"===r||"FunctionExpression"===r||"StringLiteral"===r||"NumericLi
teral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"RegExpLiteral"===r||"ArrowFunctionExpression"===r||"BigI
ntLiteral"===r||"DecimalLiteral"===r||"Placeholder"===r&&"StringLiteral"===e.expectedNode)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("Declaration"===r||"FunctionDeclaration"===r||"VariableDeclaration"===r||"ClassDeclaration"===r||"E
xportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportNamedDeclaration"===r||"ImportDeclaration"===
r||"DeclareClass"===r||"DeclareFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareModule
Exports"===r||"DeclareTypeAlias"===r||"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExportDecla
ration"===r||"DeclareExportAllDeclaration"===r||"InterfaceDeclaration"===r||"OpaqueType"===r||"TypeAlias"===r
||"EnumDeclaration"===r||"TSDeclareFunction"===r||"TSInterfaceDeclaration"===r||"TSTypeAliasDeclaration"===
r||"TSEnumDeclaration"===r||"TSMODULEDECLARATION"===r||"Placeholder"===r&&"Declaration"===e.expectedNode)
return void 0===t||(0,i.default)(e,t);return!1},t.isPatternLike=function(e,t){if(!e)return!1;const
r=e.type;if("PatternLike"===r||"Identifier"===r||"RestElement"===r||"AssignmentPattern"===r||"ArrayPattern"===r
||"ObjectPattern"===r||"Placeholder"===r&&("Pattern"===e.expectedNode||"Identifier"===e.expectedNode))return
void 0===t||(0,i.default)(e,t);return!1},t.isLVal=function(e,t){if(!e)return!1;const
r=e.type;if("LVal"===r||"Identifier"===r||"MemberExpression"===r||"RestElement"===r||"AssignmentPattern"===r
||"ArrayPattern"===r||"ObjectPattern"===r||"TSParameterProperty"===r||"Placeholder"===r&&("Pattern"===e.exp
ectedNode||"Identifier"===e.expectedNode))return void
0===t||(0,i.default)(e,t);return!1},t.isTSEntityName=function(e,t){if(!e)return!1;const
r=e.type;if("TSEntityName"===r||"Identifier"===r||"TSQualifiedName"===r||"Placeholder"===r&&"Identifier"===
e.expectedNode)return void 0===t||(0,i.default)(e,t);return!1},t.isLiteral=function(e,t){if(!e)return!1;const
r=e.type;if("Literal"===r||"StringLiteral"===r||"NumericLiteral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"Re
gExpLiteral"===r||"TemplateLiteral"===r||"BigIntLiteral"===r||"DecimalLiteral"===r||"Placeholder"===r&&"Strin
gLiteral"===e.expectedNode)return void
0===t||(0,i.default)(e,t);return!1},t.isImmutable=function(e,t){if(!e)return!1;const
r=e.type;if("Immutable"===r||"StringLiteral"===r||"NumericLiteral"===r||"NullLiteral"===r||"BooleanLiteral"===r||
"BigIntLiteral"===r||"JSXAttribute"===r||"JSXClosingElement"===r||"JSXElement"===r||"JSXExpressionContain
er"===r||"JSXSpreadChild"===r||"JSXOpeningElement"===r||"JSXText"===r||"JSXFragment"===r||"JSXOpeningFr
agment"===r||"JSXClosingFragment"===r||"DecimalLiteral"===r||"Placeholder"===r&&"StringLiteral"===e.expec
tedNode)return void 0===t||(0,i.default)(e,t);return!1},t.isUserWhitespacable=function(e,t){if(!e)return!1;const
r=e.type;if("UserWhitespacable"===r||"ObjectMethod"===r||"ObjectProperty"===r||"ObjectTypeInternalSlot"===r||
"ObjectTypeCallProperty"===r||"ObjectTypeIndexer"===r||"ObjectTypeProperty"===r||"ObjectTypeSpreadPropert
y"===r)return void 0===t||(0,i.default)(e,t);return!1},t.isMethod=function(e,t){if(!e)return!1;const

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r=e.type;if("Method"===r||"ObjectMethod"===r||"ClassMethod"===r||"ClassPrivateMethod"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectMember=function(e,t){if(!e)return!1;const
r=e.type;if("ObjectMember"===r||"ObjectMethod"===r||"ObjectProperty"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isProperty=function(e,t){if(!e)return!1;const
r=e.type;if("Property"===r||"ObjectProperty"===r||"ClassProperty"===r||"ClassPrivateProperty"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isUnaryLike=function(e,t){if(!e)return!1;const
r=e.type;if("UnaryLike"===r||"UnaryExpression"===r||"SpreadElement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isPattern=function(e,t){if(!e)return!1;const
r=e.type;if("Pattern"===r||"AssignmentPattern"===r||"ArrayPattern"===r||"ObjectPattern"===r||"Placeholder"===r
&&"Pattern"===e.expectedNode)return void
0===t||(0,i.default)(e,t);return!1},t.isClass=function(e,t){if(!e)return!1;const
r=e.type;if("Class"===r||"ClassExpression"===r||"ClassDeclaration"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isModuleDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("ModuleDeclaration"===r||"ExportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportName
dDeclaration"===r||"ImportDeclaration"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isExportDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("ExportDeclaration"===r||"ExportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportNamed
Declaration"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isModuleSpecifier=function(e,t){if(!e)return!1;const
r=e.type;if("ModuleSpecifier"===r||"ExportSpecifier"===r||"ImportDefaultSpecifier"===r||"ImportNamespaceSpeci
fier"===r||"ImportSpecifier"===r||"ExportNamespaceSpecifier"===r||"ExportDefaultSpecifier"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isFlow=function(e,t){if(!e)return!1;const
r=e.type;if("Flow"===r||"AnyTypeAnnotation"===r||"ArrayTypeAnnotation"===r||"BooleanTypeAnnotation"===r||
"BooleanLiteralTypeAnnotation"===r||"NullLiteralTypeAnnotation"===r||"ClassImplements"===r||"DeclareClass"
===r||"DeclareFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareModuleExports"===r||"Decl
areTypeAlias"===r||"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExportDeclaration"===r||"Declare
ExportAllDeclaration"===r||"DeclaredPredicate"===r||"ExistsTypeAnnotation"===r||"FunctionTypeAnnotation"===
=r||"FunctionTypeParam"===r||"GenericTypeAnnotation"===r||"InferredPredicate"===r||"InterfaceExtends"===r||"I
nterfaceDeclaration"===r||"InterfaceTypeAnnotation"===r||"IntersectionTypeAnnotation"===r||"MixedTypeAnnota
tion"===r||"EmptyTypeAnnotation"===r||"NullableTypeAnnotation"===r||"NumberLiteralTypeAnnotation"===r||"
NumberTypeAnnotation"===r||"ObjectTypeAnnotation"===r||"ObjectTypeInternalSlot"===r||"ObjectTypeCallProp
erty"===r||"ObjectTypeIndexer"===r||"ObjectTypeProperty"===r||"ObjectTypeSpreadProperty"===r||"OpaqueType
"===r||"QualifiedTypeIdentifier"===r||"StringLiteralTypeAnnotation"===r||"StringTypeAnnotation"===r||"Symbol
TypeAnnotation"===r||"ThisTypeAnnotation"===r||"TupleTypeAnnotation"===r||"TypeofTypeAnnotation"===r||"T
ypeAlias"===r||"TypeAnnotation"===r||"TypeCastExpression"===r||"TypeParameter"===r||"TypeParameterDeclara
tion"===r||"TypeParameterInstantiation"===r||"UnionTypeAnnotation"===r||"Variance"===r||"VoidTypeAnnotatio
n"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isFlowType=function(e,t){if(!e)return!1;const
r=e.type;if("FlowType"===r||"AnyTypeAnnotation"===r||"ArrayTypeAnnotation"===r||"BooleanTypeAnnotation"
===r||"BooleanLiteralTypeAnnotation"===r||"NullLiteralTypeAnnotation"===r||"ExistsTypeAnnotation"===r||"Fun
ctionTypeAnnotation"===r||"GenericTypeAnnotation"===r||"InterfaceTypeAnnotation"===r||"IntersectionTypeAnn
otation"===r||"MixedTypeAnnotation"===r||"EmptyTypeAnnotation"===r||"NullableTypeAnnotation"===r||"Numb
erLiteralTypeAnnotation"===r||"NumberTypeAnnotation"===r||"ObjectTypeAnnotation"===r||"StringLiteralTypeA
nnotation"===r||"StringTypeAnnotation"===r||"SymbolTypeAnnotation"===r||"ThisTypeAnnotation"===r||"TupleT
ypeAnnotation"===r||"TypeofTypeAnnotation"===r||"UnionTypeAnnotation"===r||"VoidTypeAnnotation"===r)ret
urn void
0===t||(0,i.default)(e,t);return!1},t.isFlowBaseAnnotation=function(e,t){if(!e)return!1;const
r=e.type;if("FlowBaseAnnotation"===r||"AnyTypeAnnotation"===r||"BooleanTypeAnnotation"===r||"NullLiteralT
ypeAnnotation"===r||"MixedTypeAnnotation"===r||"EmptyTypeAnnotation"===r||"NumberTypeAnnotation"===r||
"StringTypeAnnotation"===r||"SymbolTypeAnnotation"===r||"ThisTypeAnnotation"===r||"VoidTypeAnnotation"=

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===r)return void 0===t||(0,i.default)(e,t);return!1},t.isFlowDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("FlowDeclaration"===r||"DeclareClass"===r||"DeclareFunction"===r||"DeclareInterface"===r||"Declare
Module"===r||"DeclareModuleExports"===r||"DeclareTypeAlias"===r||"DeclareOpaqueType"===r||"DeclareVariab
le"===r||"DeclareExportDeclaration"===r||"DeclareExportAllDeclaration"===r||"InterfaceDeclaration"===r||"Opaq
ueType"===r||"TypeAlias"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isFlowPredicate=function(e,t){if(!e)return!1;const
r=e.type;if("FlowPredicate"===r||"DeclaredPredicate"===r||"InferredPredicate"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumBody=function(e,t){if(!e)return!1;const
r=e.type;if("EnumBody"===r||"EnumBooleanBody"===r||"EnumNumberBody"===r||"EnumStringBody"===r||"Enu
mSymbolBody"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumMember=function(e,t){if(!e)return!1;const
r=e.type;if("EnumMember"===r||"EnumBooleanMember"===r||"EnumNumberMember"===r||"EnumStringMembe
r"===r||"EnumDefaultedMember"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isJSX=function(e,t){if(!e)return!1;const
r=e.type;if("JSX"===r||"JSXAttribute"===r||"JSXClosingElement"===r||"JSXElement"===r||"JSXEmptyExpression
"===r||"JSXExpressionContainer"===r||"JSXSpreadChild"===r||"JSXIdentifier"===r||"JSXMemberExpression"===
r||"JSXNamespacedName"===r||"JSXOpeningElement"===r||"JSXSpreadAttribute"===r||"JSXText"===r||"JSXFrag
ment"===r||"JSXOpeningFragment"===r||"JSXClosingFragment"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isPrivate=function(e,t){if(!e)return!1;const
r=e.type;if("Private"===r||"ClassPrivateProperty"===r||"ClassPrivateMethod"===r||"PrivateName"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeElement=function(e,t){if(!e)return!1;const
r=e.type;if("TSTypeElement"===r||"TSCallSignatureDeclaration"===r||"TSConstructSignatureDeclaration"===r||"T
SPropertySignature"===r||"TSMethodSignature"===r||"TSIndexSignature"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isTSType=function(e,t){if(!e)return!1;const
r=e.type;if("TSType"===r||"TSAnyKeyword"===r||"TSBooleanKeyword"===r||"TSBigIntKeyword"===r||"TSIntrin
sicKeyword"===r||"TSNeverKeyword"===r||"TSNullKeyword"===r||"TSNumberKeyword"===r||"TSObjectKeywo
rd"===r||"TSStringKeyword"===r||"TSSymbolKeyword"===r||"TSUndefinedKeyword"===r||"TSUnknownKeywor
d"===r||"TSVoidKeyword"===r||"TSThisType"===r||"TSFunctionType"===r||"TSConstructorType"===r||"TSType
Reference"===r||"TSTypePredicate"===r||"TSTypeQuery"===r||"TSTypeLiteral"===r||"TSArrayType"===r||"TSTu
pleType"===r||"TSOptionalType"===r||"TSRestType"===r||"TSUnionType"===r||"TSIntersectionType"===r||"TSC
onditionalType"===r||"TSInferType"===r||"TSParenthesizedType"===r||"TSTypeOperator"===r||"TSIndexedAcces
sType"===r||"TSMappedType"===r||"TSLiteralType"===r||"TSExpressionWithTypeArguments"===r||"TSImportT
ype"===r)return void 0===t||(0,i.default)(e,t);return!1},t.isTSBaseType=function(e,t){if(!e)return!1;const
r=e.type;if("TSBaseType"===r||"TSAnyKeyword"===r||"TSBooleanKeyword"===r||"TSBigIntKeyword"===r||"TS
IntrinsicKeyword"===r||"TSNeverKeyword"===r||"TSNullKeyword"===r||"TSNumberKeyword"===r||"TSObjectK
eyword"===r||"TSStringKeyword"===r||"TSSymbolKeyword"===r||"TSUndefinedKeyword"===r||"TSUnknownKe
yword"===r||"TSVoidKeyword"===r||"TSThisType"===r||"TSLiteralType"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isNumberLiteral=function(e,t){if(console.trace("The node type NumberLiteral
has been renamed to NumericLiteral"),!e)return!1;if("NumberLiteral"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isRegexLiteral=function(e,t){if(console.trace("The node type RegexLiteral has
been renamed to RegExpLiteral"),!e)return!1;if("RegexLiteral"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isRestProperty=function(e,t){if(console.trace("The node type RestProperty has
been renamed to RestElement"),!e)return!1;if("RestProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isSpreadProperty=function(e,t){if(console.trace("The node type SpreadProperty
has been renamed to SpreadElement"),!e)return!1;if("SpreadProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1};var n,i=(n=r(39))&&n.__esModule?n:{default:n}},function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value: !0 }); t.arrayExpression = function(e) { return (0, n.default)("ArrayE
xpression", ...arguments) }, t.assignmentExpression = function(e, t, r) { return (0, n.default)("AssignmentExpression", ...arg

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uments)),t.binaryExpression=function(e,t,r){return(0,n.default)("BinaryExpression",...arguments)},t.interpreterDirective=function(e){return(0,n.default)("InterpreterDirective",...arguments)},t.directive=function(e){return(0,n.default)("Directive",...arguments)},t.directiveLiteral=function(e){return(0,n.default)("DirectiveLiteral",...arguments)},t.blockStatement=function(e,t){return(0,n.default)("BlockStatement",...arguments)},t.breakStatement=function(e){return(0,n.default)("BreakStatement",...arguments)},t.callExpression=function(e,t){return(0,n.default)("CallExpression",...arguments)},t.catchClause=function(e,t){return(0,n.default)("CatchClause",...arguments)},t.conditionalExpression=function(e,t,r){return(0,n.default)("ConditionalExpression",...arguments)},t.continueStatement=function(e){return(0,n.default)("ContinueStatement",...arguments)},t.debuggerStatement=function(){return(0,n.default)("DebuggerStatement",...arguments)},t.doWhileStatement=function(e,t){return(0,n.default)("DoWhileStatement",...arguments)},t.emptyStatement=function(){return(0,n.default)("EmptyStatement",...arguments)},t.expressionStatement=function(e){return(0,n.default)("ExpressionStatement",...arguments)},t.file=function(e,t,r){return(0,n.default)("File",...arguments)},t.forInStatement=function(e,t,r){return(0,n.default)("ForInStatement",...arguments)},t.forStatement=function(e,t,r,i){return(0,n.default)("ForStatement",...arguments)},t.functionDeclaration=function(e,t,r,i,s){return(0,n.default)("FunctionDeclaration",...arguments)},t.functionExpression=function(e,t,r,i,s){return(0,n.default)("FunctionExpression",...arguments)},t.identifier=function(e){return(0,n.default)("Identifier",...arguments)},t.ifStatement=function(e,t,r){return(0,n.default)("IfStatement",...arguments)},t.labeledStatement=function(e,t){return(0,n.default)("LabeledStatement",...arguments)},t.stringLiteral=function(e){return(0,n.default)("StringLiteral",...arguments)},t.numericLiteral=function(e){return(0,n.default)("NumericLiteral",...arguments)},t.nullLiteral=function(){return(0,n.default)("NullLiteral",...arguments)},t.booleanLiteral=function(e){return(0,n.default)("BooleanLiteral",...arguments)},t.regExpLiteral=function(e,t){return(0,n.default)("RegExpLiteral",...arguments)},t.logicalExpression=function(e,t,r){return(0,n.default)("LogicalExpression",...arguments)},t.memberExpression=function(e,t,r,i){return(0,n.default)("MemberExpression",...arguments)},t.newExpression=function(e,t){return(0,n.default)("NewExpression",...arguments)},t.program=function(e,t,r,i){return(0,n.default)("Program",...arguments)},t.objectExpression=function(e){return(0,n.default)("ObjectExpression",...arguments)},t.objectMethod=function(e,t,r,i,s,a,o){return(0,n.default)("ObjectMethod",...arguments)},t.objectProperty=function(e,t,r,i,s){return(0,n.default)("ObjectProperty",...arguments)},t.restElement=function(e){return(0,n.default)("RestElement",...arguments)},t.returnStatement=function(e){return(0,n.default)("ReturnStatement",...arguments)},t.sequenceExpression=function(e){return(0,n.default)("SequenceExpression",...arguments)},t.parenthesizedExpression=function(e){return(0,n.default)("ParenthesizedExpression",...arguments)},t.switchCase=function(e,t){return(0,n.default)("SwitchCase",...arguments)},t.switchStatement=function(e,t){return(0,n.default)("SwitchStatement",...arguments)},t.thisExpression=function(){return(0,n.default)("ThisExpression",...arguments)},t.throwStatement=function(e){return(0,n.default)("ThrowStatement",...arguments)},t.tryStatement=function(e,t,r){return(0,n.default)("TryStatement",...arguments)},t.unaryExpression=function(e,t,r){return(0,n.default)("UnaryExpression",...arguments)},t.updateExpression=function(e,t,r){return(0,n.default)("UpdateExpression",...arguments)},t.variableDeclaration=function(e,t){return(0,n.default)("VariableDeclaration",...arguments)},t.variableDeclarator=function(e,t){return(0,n.default)("VariableDeclarator",...arguments)},t.whileStatement=function(e,t){return(0,n.default)("WhileStatement",...arguments)},t.withStatement=function(e,t){return(0,n.default)("WithStatement",...arguments)},t.assignmentPattern=function(e,t){return(0,n.default)("AssignmentPattern",...arguments)},t.arrayPattern=function(e){return(0,n.default)("ArrayPattern",...arguments)},t.arrowFunctionExpression=function(e,t,r){return(0,n.default)("ArrowFunctionExpression",...arguments)},t.classBody=function(e){return(0,n.default)("ClassBody",...arguments)},t.classExpression=function(e,t,r,i){return(0,n.default)("ClassExpression",...arguments)},t.classDeclaration=function(e,t,r,i){return(0,n.default)("ClassDeclaration",...arguments)},t.exportAllDeclaration=function(e){return(0,n.default)("ExportAllDeclaration",...arguments)},t.exportDefaultDeclaration=function(e){return(0,n.default)("ExportDefaultDeclaration",...arguments)},t.exportNamedDeclaration=function(e,t,r){return(0,n.default)("ExportNamedDeclaration",...arguments)},t.exportSpecifier=function(e,t){return(0,n.default)("ExportSpecifier",...arguments)},t.forOfStatement=function(e,t,r,i){return(0,n.default)("ForOfStatement",...arguments)},t.importDeclaration=function(e,t){return(0,n.default)("ImportDeclaration",...arguments)},t.importDefaultSpecifier=function(e){return(0,n.default)("ImportDefaultSpecifier",...arguments)},t.importNamespaceSpecifier=function(e){return(0,n.default)("ImportNamespaceSpecifier",...arguments)},t.importSpecifier=function(e,t){return(0,n.default)("ImportSpecifier",...arguments)},t.metaProperty=function(e,t){ret

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urn(0,n.default)("MetaProperty"...arguments)},t.classMethod=function(e,t,r,i,s,a,o,l){return(0,n.default)("ClassMethod"...arguments)},t.objectPattern=function(e){return(0,n.default)("ObjectPattern"...arguments)},t.spreadElement=function(e){return(0,n.default)("SpreadElement"...arguments)},t.super=function(){return(0,n.default)("Super"...arguments)},t.taggedTemplateExpression=function(e,t){return(0,n.default)("TaggedTemplateExpression"...arguments)},t.templateElement=function(e,t){return(0,n.default)("TemplateElement"...arguments)},t.templateLiteral=function(e,t){return(0,n.default)("TemplateLiteral"...arguments)},t.yieldExpression=function(e,t){return(0,n.default)("YieldExpression"...arguments)},t.awaitExpression=function(e){return(0,n.default)("AwaitExpression"...arguments)},t.import=function(){return(0,n.default)("Import"...arguments)},t.bigIntLiteral=function(e){return(0,n.default)("BigIntLiteral"...arguments)},t.exportNamespaceSpecifier=function(e){return(0,n.default)("ExportNamespaceSpecifier"...arguments)},t.optionalMemberExpression=function(e,t,r,i){return(0,n.default)("OptionalMemberExpression"...arguments)},t.optionalCallExpression=function(e,t,r){return(0,n.default)("OptionalCallExpression"...arguments)},t.anyTypeAnnotation=function(){return(0,n.default)("AnyTypeAnnotation"...arguments)},t.arrayTypeAnnotation=function(e){return(0,n.default)("ArrayTypeAnnotation"...arguments)},t.booleanTypeAnnotation=function(){return(0,n.default)("BooleanTypeAnnotation"...arguments)},t.booleanLiteralTypeAnnotation=function(e){return(0,n.default)("BooleanLiteralTypeAnnotation"...arguments)},t.nullLiteralTypeAnnotation=function(){return(0,n.default)("NullLiteralTypeAnnotation"...arguments)},t.classImplements=function(e,t){return(0,n.default)("ClassImplements"...arguments)},t.declareClass=function(e,t,r,i){return(0,n.default)("DeclareClass"...arguments)},t.declareFunction=function(e,t,r,i){return(0,n.default)("DeclareFunction"...arguments)},t.declareInterface=function(e,t,r,i){return(0,n.default)("DeclareInterface"...arguments)},t.declareModule=function(e,t,r){return(0,n.default)("DeclareModule"...arguments)},t.declareModuleExports=function(e,t,r){return(0,n.default)("DeclareModuleExports"...arguments)},t.declareTypeAlias=function(e,t,r){return(0,n.default)("DeclareTypeAlias"...arguments)},t.declareOpaqueType=function(e,t,r){return(0,n.default)("DeclareOpaqueType"...arguments)},t.declareVariable=function(e,t,r,i){return(0,n.default)("DeclareVariable"...arguments)},t.declareExportDeclaration=function(e,t,r,i){return(0,n.default)("DeclareExportDeclaration"...arguments)},t.declareExportAllDeclaration=function(e,t,r,i){return(0,n.default)("DeclareExportAllDeclaration"...arguments)},t.declaredPredicate=function(e,t,r,i){return(0,n.default)("DeclaredPredicate"...arguments)},t.existsTypeAnnotation=function(e,t,r,i){return(0,n.default)("ExistsTypeAnnotation"...arguments)},t.functionTypeAnnotation=function(e,t,r,i){return(0,n.default)("FunctionTypeAnnotation"...arguments)},t.functionTypeParam=function(e,t,r,i){return(0,n.default)("FunctionTypeParam"...arguments)},t.genericTypeAnnotation=function(e,t,r,i){return(0,n.default)("GenericTypeAnnotation"...arguments)},t.inferredPredicate=function(e,t,r,i){return(0,n.default)("InferredPredicate"...arguments)},t.interfaceExtends=function(e,t,r,i){return(0,n.default)("InterfaceExtends"...arguments)},t.interfaceDeclaration=function(e,t,r,i){return(0,n.default)("InterfaceDeclaration"...arguments)},t.interfaceTypeAnnotation=function(e,t,r,i){return(0,n.default)("InterfaceTypeAnnotation"...arguments)},t.intersectionTypeAnnotation=function(e,t,r,i){return(0,n.default)("IntersectionTypeAnnotation"...arguments)},t.mixedTypeAnnotation=function(e,t,r,i){return(0,n.default)("MixedTypeAnnotation"...arguments)},t.emptyTypeAnnotation=function(e,t,r,i){return(0,n.default)("EmptyTypeAnnotation"...arguments)},t.nullableTypeAnnotation=function(e,t,r,i){return(0,n.default)("NullableTypeAnnotation"...arguments)},t.numberLiteralTypeAnnotation=function(e,t,r,i){return(0,n.default)("NumberLiteralTypeAnnotation"...arguments)},t.numberTypeAnnotation=function(e,t,r,i){return(0,n.default)("NumberTypeAnnotation"...arguments)},t.objectTypeAnnotation=function(e,t,r,i,s){return(0,n.default)("ObjectTypeAnnotation"...arguments)},t.objectTypeInternalSlot=function(e,t,r,i,s){return(0,n.default)("ObjectTypeInternalSlot"...arguments)},t.objectTypeCallProperty=function(e,t,r,i,s){return(0,n.default)("ObjectTypeCallProperty"...arguments)},t.objectTypeIndexer=function(e,t,r,i,s){return(0,n.default)("ObjectTypeIndexer"...arguments)},t.objectTypeProperty=function(e,t,r,i,s){return(0,n.default)("ObjectTypeProperty"...arguments)},t.objectTypeSpreadProperty=function(e,t,r,i,s){return(0,n.default)("ObjectTypeSpreadProperty"...arguments)},t.opaqueType=function(e,t,r,i,s){return(0,n.default)("OpaqueType"...arguments)},t.qualifiedTypeIdentifier=function(e,t,r,i,s){return(0,n.default)("QualifiedTypeIdentifier"...arguments)},t.stringLiteralTypeAnnotation=function(e,t,r,i,s){return(0,n.default)("StringLiteralTypeAnnotation"...arguments)},t.stringTypeAnnotation=function(e,t,r,i,s){return(0,n.default)("StringTypeAnnotation"...arguments)},t.symbolTypeAnnotation=function(e,t,r,i,s){return(0,n.default)("SymbolTypeAnnotation"...arguments)},t.thisTypeAnnotation=function(e,t,r,i,s){return(0,n.default)("ThisTypeAnnotation"...arguments)},t.tupleTypeAnnotation=function(e,t,r,i,s){return(0,n.default)("TupleTypeAnnotation"...arguments)},t.typeofTypeAnnotation=function(e,t,r,i,s){return(0,n.default)("TypeofTypeAnnotation"...arguments)}
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It("TypeofTypeAnnotation",...arguments)},t.typeAlias=function(e,t,r){return(0,n.default)("TypeAlias",...arguments)},t.typeAnnotation=function(e){return(0,n.default)("TypeAnnotation",...arguments)},t.typeCastExpression=function(e,t){return(0,n.default)("TypeCastExpression",...arguments)},t.typeParameter=function(e,t,r){return(0,n.default)("TypeParameter",...arguments)},t.typeParameterDeclaration=function(e){return(0,n.default)("TypeParameterDeclaration",...arguments)},t.typeParameterInstantiation=function(e){return(0,n.default)("TypeParameterInstantiation",...arguments)},t.unionTypeAnnotation=function(e){return(0,n.default)("UnionTypeAnnotation",...arguments)},t.variance=function(e){return(0,n.default)("Variance",...arguments)},t.voidTypeAnnotation=function(){return(0,n.default)("VoidTypeAnnotation",...arguments)},t.enumDeclaration=function(e,t){return(0,n.default)("EnumDeclaration",...arguments)},t.enumBooleanBody=function(e){return(0,n.default)("EnumBooleanBody",...arguments)},t.enumNumberBody=function(e){return(0,n.default)("EnumNumberBody",...arguments)},t.enumStringBody=function(e){return(0,n.default)("EnumStringBody",...arguments)},t.enumSymbolBody=function(e){return(0,n.default)("EnumSymbolBody",...arguments)},t.enumBooleanMember=function(e){return(0,n.default)("EnumBooleanMember",...arguments)},t.enumNumberMember=function(e,t){return(0,n.default)("EnumNumberMember",...arguments)},t.enumStringMember=function(e,t){return(0,n.default)("EnumStringMember",...arguments)},t.enumDefaultedMember=function(e){return(0,n.default)("EnumDefaultedMember",...arguments)},t.indexedAccessType=function(e,t){return(0,n.default)("IndexedAccessType",...arguments)},t.optionalIndexedAccessType=function(e,t){return(0,n.default)("OptionalIndexedAccessType",...arguments)},t.jsxAttribute=t.jsxAttribute=function(e,t){return(0,n.default)("JSXAttribute",...arguments)},t.jsxClosingElement=t.jsxClosingElement=function(e){return(0,n.default)("JSXClosingElement",...arguments)},t.jsxElement=t.jsxElement=function(e,t,r,i){return(0,n.default)("JSXElement",...arguments)},t.jsxEmptyExpression=t.jsxEmptyExpression=function(){return(0,n.default)("JSXEmptyExpression",...arguments)},t.jsxExpressionContainer=t.jsxExpressionContainer=function(e){return(0,n.default)("JSXExpressionContainer",...arguments)},t.jsxSpreadChild=t.jsxSpreadChild=function(e){return(0,n.default)("JSXSpreadChild",...arguments)},t.jsxIdentifier=t.jsxIdentifier=function(e){return(0,n.default)("JSXIdentifier",...arguments)},t.jsxMemberExpression=t.jsxMemberExpression=function(e,t){return(0,n.default)("JSXMemberExpression",...arguments)},t.jsxNamespacedName=t.jsxNamespacedName=function(e,t){return(0,n.default)("JSXNamespacedName",...arguments)},t.jsxOpeningElement=t.jsxOpeningElement=function(e,t,r){return(0,n.default)("JSXOpeningElement",...arguments)},t.jsxSpreadAttribute=t.jsxSpreadAttribute=function(e){return(0,n.default)("JSXSpreadAttribute",...arguments)},t.jsxText=t.jsxText=function(e){return(0,n.default)("JSXText",...arguments)},t.jsxFragment=t.jsxFragment=function(e,t,r){return(0,n.default)("JSXFragment",...arguments)},t.jsxOpeningFragment=t.jsxOpeningFragment=function(){return(0,n.default)("JSXOpeningFragment",...arguments)},t.jsxClosingFragment=t.jsxClosingFragment=function(){return(0,n.default)("JSXClosingFragment",...arguments)},t.noop=function(){return(0,n.default)("Noop",...arguments)},t.placeholder=function(e,t){return(0,n.default)("Placeholder",...arguments)},t.v8IntrinsicIdentifier=function(e){return(0,n.default)("V8IntrinsicIdentifier",...arguments)},t.argumentPlaceholder=function(){return(0,n.default)("ArgumentPlaceholder",...arguments)},t.bindExpression=function(e,t){return(0,n.default)("BindExpression",...arguments)},t.classProperty=function(e,t,r,i,s,a){return(0,n.default)("ClassProperty",...arguments)},t.pipelineTopicExpression=function(e){return(0,n.default)("PipelineTopicExpression",...arguments)},t.pipelineBareFunction=function(e){return(0,n.default)("PipelineBareFunction",...arguments)},t.pipelinePrimaryTopicReference=function(){return(0,n.default)("PipelinePrimaryTopicReference",...arguments)},t.classPrivateProperty=function(e,t,r,i){return(0,n.default)("ClassPrivateProperty",...arguments)},t.classPrivateMethod=function(e,t,r,i,s){return(0,n.default)("ClassPrivateMethod",...arguments)},t.importAttribute=function(e,t){return(0,n.default)("ImportAttribute",...arguments)},t.decorator=function(e){return(0,n.default)("Decorator",...arguments)},t.doExpression=function(e,t){return(0,n.default)("DoExpression",...arguments)},t.exportDefaultSpecifier=function(e){return(0,n.default)("ExportDefaultSpecifier",...arguments)},t.privateName=function(e){return(0,n.default)("PrivateName",...arguments)},t.recordExpression=function(e){return(0,n.default)("RecordExpression",...arguments)},t.tupleExpression=function(e){return(0,n.default)("TupleExpression",...arguments)},t.decimalLiteral=function(e){return(0,n.default)("DecimalLiteral",...arguments)},t.staticBlock=function(e){return(0,n.default)("StaticBlock",...arguments)},t.moduleExpression=function(e){return(0,n.default)("ModuleExpression",...arguments)},t.tsParameterProperty=t.tsParameterProperty=function(e){return(0,n.default)("TSParameterProperty",...arguments)},t.tsDeclareFunction=t.tsDeclareFunction=function(e,t,r,i){return(0,n.default)("TSDeclareFunction",...arg

uments)),t.tSDeclareMethod=t.tsDeclareMethod=function(e,t,r,i,s){return(0,n.default)("TSDeclareMethod",...arguments)},t.tSQualifiedName=t.tsQualifiedName=function(e,t){return(0,n.default)("TSQualifiedName",...arguments)},t.tSCallSignatureDeclaration=t.tsCallSignatureDeclaration=function(e,t,r){return(0,n.default)("TSCallSignatureDeclaration",...arguments)},t.tSConstructSignatureDeclaration=t.tsConstructSignatureDeclaration=function(e,t,r){return(0,n.default)("TSConstructSignatureDeclaration",...arguments)},t.tSPropertySignature=t.tsPropertySignature=function(e,t,r){return(0,n.default)("TSPropertySignature",...arguments)},t.tSMethodSignature=t.tsMethodSignature=function(e,t,r,i){return(0,n.default)("TSMethodSignature",...arguments)},t.tSIndexSignature=t.tsIndexSignature=function(e,t){return(0,n.default)("TSIndexSignature",...arguments)},t.tSAnyKeyword=t.tsAnyKeyword=function(){return(0,n.default)("TSAnyKeyword",...arguments)},t.tSBooleanKeyword=t.tsBooleanKeyword=function(){return(0,n.default)("TSBooleanKeyword",...arguments)},t.tSBigIntKeyword=t.tsBigIntKeyword=function(){return(0,n.default)("TSBigIntKeyword",...arguments)},t.tSIntrinsicKeyword=t.tsIntrinsicKeyword=function(){return(0,n.default)("TSIntrinsicKeyword",...arguments)},t.tSNeverKeyword=t.tsNeverKeyword=function(){return(0,n.default)("TSNeverKeyword",...arguments)},t.tSNullKeyword=t.tsNullKeyword=function(){return(0,n.default)("TSNullKeyword",...arguments)},t.tSNumberKeyword=t.tsNumberKeyword=function(){return(0,n.default)("TSNumberKeyword",...arguments)},t.tSObjectKeyword=t.tsObjectKeyword=function(){return(0,n.default)("TSObjectKeyword",...arguments)},t.tSStringKeyword=t.tsStringKeyword=function(){return(0,n.default)("TSStringKeyword",...arguments)},t.tSSymbolKeyword=t.tsSymbolKeyword=function(){return(0,n.default)("TSSymbolKeyword",...arguments)},t.tSUndefinedKeyword=t.tsUndefinedKeyword=function(){return(0,n.default)("TSUndefinedKeyword",...arguments)},t.tSUnknownKeyword=t.tsUnknownKeyword=function(){return(0,n.default)("TSUnknownKeyword",...arguments)},t.tSVoidKeyword=t.tsVoidKeyword=function(){return(0,n.default)("TSVoidKeyword",...arguments)},t.tSThisType=t.tsThisType=function(){return(0,n.default)("TSThisType",...arguments)},t.tSFunctionType=t.tsFunctionType=function(e,t,r){return(0,n.default)("TSFunctionType",...arguments)},t.tSConstructorType=t.tsConstructorType=function(e,t,r){return(0,n.default)("TSConstructorType",...arguments)},t.tSTypeReference=t.tsTypeReference=function(e,t){return(0,n.default)("TSTypeReference",...arguments)},t.tSTypePredicate=t.tsTypePredicate=function(e,t,r){return(0,n.default)("TSTypePredicate",...arguments)},t.tSTypeQuery=t.tsTypeQuery=function(e){return(0,n.default)("TSTypeQuery",...arguments)},t.tSTypeLiteral=t.tsTypeLiteral=function(e){return(0,n.default)("TSTypeLiteral",...arguments)},t.tSArrayType=t.tsArrayType=function(e){return(0,n.default)("TSArrayType",...arguments)},t.tSTupleType=t.tsTupleType=function(e){return(0,n.default)("TSTupleType",...arguments)},t.tSOptionalType=t.tsOptionalType=function(e){return(0,n.default)("TSOptionalType",...arguments)},t.tSRestType=t.tsRestType=function(e){return(0,n.default)("TSRestType",...arguments)},t.tSNamedTupleMember=t.tsNamedTupleMember=function(e,t,r){return(0,n.default)("TSNamedTupleMember",...arguments)},t.tSUnionType=t.tsUnionType=function(e){return(0,n.default)("TSUnionType",...arguments)},t.tSIntersectionType=t.tsIntersectionType=function(e){return(0,n.default)("TSIntersectionType",...arguments)},t.tSConditionalType=t.tsConditionalType=function(e,t,r,i){return(0,n.default)("TSConditionalType",...arguments)},t.tSInferType=t.tsInferType=function(e){return(0,n.default)("TSInferType",...arguments)},t.tSParenthesizedType=t.tsParenthesizedType=function(e){return(0,n.default)("TSParenthesizedType",...arguments)},t.tSTypeOperator=t.tsTypeOperator=function(e){return(0,n.default)("TSTypeOperator",...arguments)},t.tSIndexedAccessType=t.tsIndexedAccessType=function(e,t){return(0,n.default)("TSIndexedAccessType",...arguments)},t.tSMappedType=t.tsMappedType=function(e,t,r){return(0,n.default)("TSMappedType",...arguments)},t.tSLiteralType=t.tsLiteralType=function(e){return(0,n.default)("TSLiteralType",...arguments)},t.tSExpressionWithTypeArguments=t.tsExpressionWithTypeArguments=function(e,t){return(0,n.default)("TSExpressionWithTypeArguments",...arguments)},t.tSInterfaceDeclaration=t.tsInterfaceDeclaration=function(e,t,r,i){return(0,n.default)("TSInterfaceDeclaration",...arguments)},t.tSInterfaceBody=t.tsInterfaceBody=function(e){return(0,n.default)("TSInterfaceBody",...arguments)},t.tSTypeAliasDeclaration=t.tsTypeAliasDeclaration=function(e,t,r){return(0,n.default)("TSTypeAliasDeclaration",...arguments)},t.tSAsExpression=t.tsAsExpression=function(e,t){return(0,n.default)("TSAsExpression",...arguments)},t.tSTypeAssertion=t.tsTypeAssertion=function(e,t){return(0,n.default)("TSTypeAssertion",...arguments)},t.tSEnumDeclaration=t.tsEnumDeclaration=function(e,t){return(0,n.default)("TSEnumDeclaration",...arguments)},t.tSEnumMember=t.tsEnumMember=function(e,t){return(0,n.default)("TSEnumMember",...arguments)},t.tSModuleDeclaration=t.tsModuleDeclaration=function(e,t){return(0,n.default)("TSModuleDeclaration",...arguments)},t.tSModuleBlock=t.tsModuleBlock

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k=function(e){return(0,n.default)("TSMODULEBLOCK",...arguments)},t.tsImportType=t.tsImportType=function(e,t,r){
return(0,n.default)("TSIMPORTTYPE",...arguments)},t.tsImportEqualsDeclaration=t.tsImportEqualsDeclaration=funct
ion(e,t){return(0,n.default)("TSIMPORTEQUALSDECLARATION",...arguments)},t.tsExternalModuleReference=t.tsExternal
ModuleReference=function(e){return(0,n.default)("TSEXTERNALMODULEREFERENCE",...arguments)},t.tsNonNullExpres
sion=t.tsNonNullExpression=function(e){return(0,n.default)("TSNONNULLEXPRESSION",...arguments)},t.tsExportAssi
gnment=t.tsExportAssignment=function(e){return(0,n.default)("TSEXPORTASSIGNMENT",...arguments)},t.tsNamespac
eExportDeclaration=t.tsNamespaceExportDeclaration=function(e){return(0,n.default)("TSNAMESPACEEXPORTDECLARA
TION",...arguments)},t.tsTypeAnnotation=t.tsTypeAnnotation=function(e){return(0,n.default)("TSTYPEANNOTATION",.
..arguments)},t.tsTypeParameterInstantiation=t.tsTypeParameterInstantiation=function(e){return(0,n.default)("TST
YPEPARAMETERINSTANTIATION",...arguments)},t.tsTypeParameterDeclaration=t.tsTypeParameterDeclaration=function(e
){return(0,n.default)("TSTYPEPARAMETERDECLARATION",...arguments)},t.tsTypeParameter=t.tsTypeParameter=function
(e,t,r){return(0,n.default)("TSTYPEPARAMETER",...arguments)},t.numberLiteral=function(...e){return
console.trace("The node type NumberLiteral has been renamed to
NumericLiteral"),(0,n.default)("NUMBERLITERAL",...e)},t.regexLiteral=function(...e){return console.trace("The node
type RegexpLiteral has been renamed to
RegExpLiteral"),(0,n.default)("REGEXLITERAL",...e)},t.restProperty=function(...e){return console.trace("The node type
RestProperty has been renamed to
RestElement"),(0,n.default)("RESTPROPERTY",...e)},t.spreadProperty=function(...e){return console.trace("The node
type SpreadProperty has been renamed to SpreadElement"),(0,n.default)("SPREADPROPERTY",...e)};var
n=r(268)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.ArrayExpression=t.arrayExpression=function(...e){return
(0,i.default)("ARRAYEXPRESSION",...e)},t.AssignmentExpression=t.assignmentExpression=function(...e){return(0,i.def
ault)("ASSIGNMENTEXPRESSION",...e)},t.BinaryExpression=t.binaryExpression=function(...e){return(0,i.default)("Bina
ryExpression",...e)},t.InterpreterDirective=t.interpreterDirective=function(...e){return(0,i.default)("InterpreterDirecti
ve",...e)},t.Directive=t.directive=function(...e){return(0,i.default)("Directive",...e)},t.DirectiveLiteral=t.directiveLite
ral=function(...e){return(0,i.default)("DirectiveLiteral",...e)},t.BlockStatement=t.blockStatement=function(...e){retu
rn(0,i.default)("BLOCKSTATEMENT",...e)},t.BreakStatement=t.breakStatement=function(...e){return(0,i.default)("BreakS
tatement",...e)},t.CallExpression=t.callExpression=function(...e){return(0,i.default)("CALLEXPRESSION",...e)},t.CatchC
lause=t.catchClause=function(...e){return(0,i.default)("CATCHCLAUSE",...e)},t.ConditionalExpression=t.conditionalEx
pression=function(...e){return(0,i.default)("CONDITIONALEXPRESSION",...e)},t.ContinueStatement=t.continueStatement=
function(...e){return(0,i.default)("CONTINUESTATEMENT",...e)},t.DebuggerStatement=t.debuggerStatement=function(...
e){return(0,i.default)("DEBUGGERSTATEMENT",...e)},t.DoWhileStatement=t.doWhileStatement=function(...e){return(0,i
.default)("DOWHILESTATEMENT",...e)},t.EmptyStatement=t.emptyStatement=function(...e){return(0,i.default)("EmptyS
tatement",...e)},t.ExpressionStatement=t.expressionStatement=function(...e){return(0,i.default)("EXPRESSIONSTATEME
NT",...e)},t.File=t.file=function(...e){return(0,i.default)("FILE",...e)},t.ForInStatement=t.forInStatement=function(...e)
{return(0,i.default)("FORINSTATEMENT",...e)},t.ForStatement=t.forStatement=function(...e){return(0,i.default)("ForStat
ement",...e)},t.FunctionDeclaration=t.functionDeclaration=function(...e){return(0,i.default)("FUNCTIONDECLARATION",...
.e)},t.FunctionExpression=t.functionExpression=function(...e){return(0,i.default)("FUNCTIONEXPRESSION",...e)},t.Ident
ifier=t.identifier=function(...e){return(0,i.default)("IDENTIFIER",...e)},t.IfStatement=t.ifStatement=function(...e){return
(0,i.default)("IFSTATEMENT",...e)},t.LabeledStatement=t.labeledStatement=function(...e){return(0,i.default)("LabeledS
tatement",...e)},t.StringLiteral=t.stringLiteral=function(...e){return(0,i.default)("STRINGLITERAL",...e)},t.NumericLitera
l=t.numericLiteral=function(...e){return(0,i.default)("NUMERICLITERAL",...e)},t.NullLiteral=t.nullLiteral=function(...e)
{return(0,i.default)("NULLLITERAL",...e)},t.BooleanLiteral=t.booleanLiteral=function(...e){return(0,i.default)("Boolean
Literal",...e)},t.RegExpLiteral=t.regExpLiteral=function(...e){return(0,i.default)("RegexpLiteral",...e)},t.LogicalExp
ression=t.logicalExpression=function(...e){return(0,i.default)("LOGICALEXPRESSION",...e)},t.MemberExpression=t.me
mberExpression=function(...e){return(0,i.default)("MEMBEREXPRESSION",...e)},t.NewExpression=t.newExpression=fun
ction(...e){return(0,i.default)("NEWEXPRESSION",...e)},t.Program=t.program=function(...e){return(0,i.default)("Progr
am",...e)},t.ObjectExpression=t.objectExpression=function(...e){return(0,i.default)("OBJECTEXPRESSION",...e)},t.Objec

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tMethod=t.objectMethod=function(...e){return(0,i.default)("ObjectMethod",...e)},t.ObjectProperty=t.objectProperty=function(...e){return(0,i.default)("ObjectProperty",...e)},t.RestElement=t.restElement=function(...e){return(0,i.default)("RestElement",...e)},t.ReturnStatement=t.returnStatement=function(...e){return(0,i.default)("ReturnStatement",...e)},t.SequenceExpression=t.sequenceExpression=function(...e){return(0,i.default)("SequenceExpression",...e)},t.ParenthesizedExpression=t.parenthesizedExpression=function(...e){return(0,i.default)("ParenthesizedExpression",...e)},t.SwitchCase=t.switchCase=function(...e){return(0,i.default)("SwitchCase",...e)},t.SwitchStatement=t.switchStatement=function(...e){return(0,i.default)("SwitchStatement",...e)},t.ThisExpression=t.thisExpression=function(...e){return(0,i.default)("ThisExpression",...e)},t.ThrowStatement=t.throwStatement=function(...e){return(0,i.default)("ThrowStatement",...e)},t.TryStatement=t.tryStatement=function(...e){return(0,i.default)("TryStatement",...e)},t.UnaryExpression=t.unaryExpression=function(...e){return(0,i.default)("UnaryExpression",...e)},t.UpdateExpression=t.updateExpression=function(...e){return(0,i.default)("UpdateExpression",...e)},t.VariableDeclaration=t.variableDeclaration=function(...e){return(0,i.default)("VariableDeclaration",...e)},t.VariableDeclarator=t.variableDeclarator=function(...e){return(0,i.default)("VariableDeclarator",...e)},t.WhileStatement=t.whileStatement=function(...e){return(0,i.default)("WhileStatement",...e)},t.WithStatement=t.withStatement=function(...e){return(0,i.default)("WithStatement",...e)},t.AssignmentPattern=t.assignmentPattern=function(...e){return(0,i.default)("AssignmentPattern",...e)},t.ArrayPattern=t.arrayPattern=function(...e){return(0,i.default)("ArrayPattern",...e)},t.ArrowFunctionExpression=t.arrowFunctionExpression=function(...e){return(0,i.default)("ArrowFunctionExpression",...e)},t.ClassBody=t.classBody=function(...e){return(0,i.default)("ClassBody",...e)},t.ClassExpression=t.classExpression=function(...e){return(0,i.default)("ClassExpression",...e)},t.ClassDeclaration=t.classDeclaration=function(...e){return(0,i.default)("ClassDeclaration",...e)},t.ExportAllDeclaration=t.exportAllDeclaration=function(...e){return(0,i.default)("ExportAllDeclaration",...e)},t.ExportDefaultDeclaration=t.exportDefaultDeclaration=function(...e){return(0,i.default)("ExportDefaultDeclaration",...e)},t.ExportNamedDeclaration=t.exportNamedDeclaration=function(...e){return(0,i.default)("ExportNamedDeclaration",...e)},t.ExportSpecifier=t.exportSpecifier=function(...e){return(0,i.default)("ExportSpecifier",...e)},t.ForOfStatement=t.forOfStatement=function(...e){return(0,i.default)("ForOfStatement",...e)},t.ImportDeclaration=t.importDeclaration=function(...e){return(0,i.default)("ImportDeclaration",...e)},t.ImportDefaultSpecifier=t.importDefaultSpecifier=function(...e){return(0,i.default)("ImportDefaultSpecifier",...e)},t.ImportNamespaceSpecifier=t.importNamespaceSpecifier=function(...e){return(0,i.default)("ImportNamespaceSpecifier",...e)},t.ImportSpecifier=t.importSpecifier=function(...e){return(0,i.default)("ImportSpecifier",...e)},t.MetaProperty=t.metaProperty=function(...e){return(0,i.default)("MetaProperty",...e)},t.ClassMethod=t.classMethod=function(...e){return(0,i.default)("ClassMethod",...e)},t.ObjectPattern=t.objectPattern=function(...e){return(0,i.default)("ObjectPattern",...e)},t.SpreadElement=t.spreadElement=function(...e){return(0,i.default)("SpreadElement",...e)},t.super=t.Super=function(...e){return(0,i.default)("Super",...e)},t.TaggedTemplateExpression=t.taggedTemplateExpression=function(...e){return(0,i.default)("TaggedTemplateExpression",...e)},t.TemplateElement=t.templateElement=function(...e){return(0,i.default)("TemplateElement",...e)},t.TemplateLiteral=t.templateLiteral=function(...e){return(0,i.default)("TemplateLiteral",...e)},t.YieldExpression=t.yieldExpression=function(...e){return(0,i.default)("YieldExpression",...e)},t.AwaitExpression=t.awaitExpression=function(...e){return(0,i.default)("AwaitExpression",...e)},t.import=t.Import=function(...e){return(0,i.default)("Import",...e)},t.BigIntLiteral=t.bigIntLiteral=function(...e){return(0,i.default)("BigIntLiteral",...e)},t.ExportNamespaceSpecifier=t.exportNamespaceSpecifier=function(...e){return(0,i.default)("ExportNamespaceSpecifier",...e)},t.OptionalMemberExpression=t.optionalMemberExpression=function(...e){return(0,i.default)("OptionalMemberExpression",...e)},t.OptionalCallExpression=t.optionalCallExpression=function(...e){return(0,i.default)("OptionalCallExpression",...e)},t.AnyTypeAnnotation=t.anyTypeAnnotation=function(...e){return(0,i.default)("AnyTypeAnnotation",...e)},t.ArrayTypeAnnotation=t.arrayTypeAnnotation=function(...e){return(0,i.default)("ArrayTypeAnnotation",...e)},t.BooleanTypeAnnotation=t.booleanTypeAnnotation=function(...e){return(0,i.default)("BooleanTypeAnnotation",...e)},t.BooleanLiteralTypeAnnotation=t.booleanLiteralTypeAnnotation=function(...e){return(0,i.default)("BooleanLiteralTypeAnnotation",...e)},t.NullLiteralTypeAnnotation=t.nullLiteralTypeAnnotation=function(...e){return(0,i.default)("NullLiteralTypeAnnotation",...e)},t.ClassImplements=t.classImplements=function(...e){return(0,i.default)("ClassImplements",...e)},t.DeclareClass=t.declareClass=function(...e){return(0,i.default)("DeclareClass",...e)},t.DeclareFunction=t.declareFunction=function(...e){return(0,i.default)("DeclareFunction",...e)},t.DeclareInterface=t.declareInter

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face=function(...e){return(0,i.default)("DeclareInterface",...e)},t.DeclareModule=t.declareModule=function(...e){return(0,i.default)("DeclareModule",...e)},t.DeclareModuleExports=t.declareModuleExports=function(...e){return(0,i.default)("DeclareModuleExports",...e)},t.DeclareTypeAlias=t.declareTypeAlias=function(...e){return(0,i.default)("DeclareTypeAlias",...e)},t.DeclareOpaqueType=t.declareOpaqueType=function(...e){return(0,i.default)("DeclareOpaqueType",...e)},t.DeclareVariable=t.declareVariable=function(...e){return(0,i.default)("DeclareVariable",...e)},t.DeclareExportDeclaration=t.declareExportDeclaration=function(...e){return(0,i.default)("DeclareExportDeclaration",...e)},t.DeclareExportAllDeclaration=t.declareExportAllDeclaration=function(...e){return(0,i.default)("DeclareExportAllDeclaration",...e)},t.DeclaredPredicate=t.declaredPredicate=function(...e){return(0,i.default)("DeclaredPredicate",...e)},t.ExistsTypeAnnotation=t.existsTypeAnnotation=function(...e){return(0,i.default)("ExistsTypeAnnotation",...e)},t.FunctionTypeAnnotation=t.functionTypeAnnotation=function(...e){return(0,i.default)("FunctionTypeAnnotation",...e)},t.FunctionTypeParam=t.functionTypeParam=function(...e){return(0,i.default)("FunctionTypeParam",...e)},t.GenericTypeAnnotation=t.genericTypeAnnotation=function(...e){return(0,i.default)("GenericTypeAnnotation",...e)},t.InferredPredicate=t.inferredPredicate=function(...e){return(0,i.default)("InferredPredicate",...e)},t.InterfaceExtends=t.interfaceExtends=function(...e){return(0,i.default)("InterfaceExtends",...e)},t.InterfaceDeclaration=t.interfaceDeclaration=function(...e){return(0,i.default)("InterfaceDeclaration",...e)},t.InterfaceTypeAnnotation=t.interfaceTypeAnnotation=function(...e){return(0,i.default)("InterfaceTypeAnnotation",...e)},t.IntersectionTypeAnnotation=t.intersectionTypeAnnotation=function(...e){return(0,i.default)("IntersectionTypeAnnotation",...e)},t.MixedTypeAnnotation=t.mixedTypeAnnotation=function(...e){return(0,i.default)("MixedTypeAnnotation",...e)},t.EmptyTypeAnnotation=t.emptyTypeAnnotation=function(...e){return(0,i.default)("EmptyTypeAnnotation",...e)},t.NullableTypeAnnotation=t.nullableTypeAnnotation=function(...e){return(0,i.default)("NullableTypeAnnotation",...e)},t.NumberLiteralTypeAnnotation=t.numberLiteralTypeAnnotation=function(...e){return(0,i.default)("NumberLiteralTypeAnnotation",...e)},t.NumberTypeAnnotation=t.numberTypeAnnotation=function(...e){return(0,i.default)("NumberTypeAnnotation",...e)},t.ObjectTypeAnnotation=t.objectTypeAnnotation=function(...e){return(0,i.default)("ObjectTypeAnnotation",...e)},t.ObjectTypeInternalSlot=t.objectTypeInternalSlot=function(...e){return(0,i.default)("ObjectTypeInternalSlot",...e)},t.ObjectTypeCallProperty=t.objectTypeCallProperty=function(...e){return(0,i.default)("ObjectTypeCallProperty",...e)},t.ObjectTypeIndexer=t.objectTypeIndexer=function(...e){return(0,i.default)("ObjectTypeIndexer",...e)},t.ObjectTypeProperty=t.objectTypeProperty=function(...e){return(0,i.default)("ObjectTypeProperty",...e)},t.ObjectTypeSpreadProperty=t.objectTypeSpreadProperty=function(...e){return(0,i.default)("ObjectTypeSpreadProperty",...e)},t.OpaqueType=t.opaqueType=function(...e){return(0,i.default)("OpaqueType",...e)},t.QualifiedTypeIdentifier=t.qualifiedTypeIdentifier=function(...e){return(0,i.default)("QualifiedTypeIdentifier",...e)},t.StringLiteralTypeAnnotation=t.stringLiteralTypeAnnotation=function(...e){return(0,i.default)("StringLiteralTypeAnnotation",...e)},t.StringTypeAnnotation=t.stringTypeAnnotation=function(...e){return(0,i.default)("StringTypeAnnotation",...e)},t.SymbolTypeAnnotation=t.symbolTypeAnnotation=function(...e){return(0,i.default)("SymbolTypeAnnotation",...e)},t.ThisTypeAnnotation=t.thisTypeAnnotation=function(...e){return(0,i.default)("ThisTypeAnnotation",...e)},t.TupleTypeAnnotation=t.tupleTypeAnnotation=function(...e){return(0,i.default)("TupleTypeAnnotation",...e)},t.TypeOfTypeAnnotation=t.typeofTypeAnnotation=function(...e){return(0,i.default)("TypeofTypeAnnotation",...e)},t.TypeAlias=t.typeAlias=function(...e){return(0,i.default)("TypeAlias",...e)},t.TypeAnnotation=t.typeAnnotation=function(...e){return(0,i.default)("TypeAnnotation",...e)},t.TypeCastExpression=t.typeCastExpression=function(...e){return(0,i.default)("TypeCastExpression",...e)},t.TypeParameter=t.typeParameter=function(...e){return(0,i.default)("TypeParameter",...e)},t.TypeParameterDeclaration=t.typeParameterDeclaration=function(...e){return(0,i.default)("TypeParameterDeclaration",...e)},t.TypeParameterInstantiation=t.typeParameterInstantiation=function(...e){return(0,i.default)("TypeParameterInstantiation",...e)},t.UnionTypeAnnotation=t.unionTypeAnnotation=function(...e){return(0,i.default)("UnionTypeAnnotation",...e)},t.Variance=t.variance=function(...e){return(0,i.default)("Variance",...e)},t.VoidTypeAnnotation=t.voidTypeAnnotation=function(...e){return(0,i.default)("VoidTypeAnnotation",...e)},t.EnumDeclaration=t.enumDeclaration=function(...e){return(0,i.default)("EnumDeclaration",...e)},t.EnumBooleanBody=t.enumBooleanBody=function(...e){return(0,i.default)("EnumBooleanBody",...e)},t.EnumNumberBody=t.enumNumberBody=function(...e){return(0,i.default)("EnumNumberBody",...e)},t.EnumStringBody=t.enumStringBody=function(...e){return(0,i.default)("EnumStringBody",...e)},t.EnumSymbolBody=t.enumSymbolBody=function(...e){return(0,i.default)("EnumSymbolBody",...e)}
```

...e)},t.EnumBooleanMember=t.enumBooleanMember=function(...e){return(0,i.default)("EnumBooleanMember",...e)},t.EnumNumberMember=t.enumNumberMember=function(...e){return(0,i.default)("EnumNumberMember",...e)},t.EnumStringMember=t.enumStringMember=function(...e){return(0,i.default)("EnumStringMember",...e)},t.EnumDefaultedMember=t.enumDefaultedMember=function(...e){return(0,i.default)("EnumDefaultedMember",...e)},t.JSXAttribute=t.jsxAttribute=function(...e){return(0,i.default)("JSXAttribute",...e)},t.JSXClosingElement=t.jsxClosingElement=function(...e){return(0,i.default)("JSXClosingElement",...e)},t.JSXElement=t.jsxElement=function(...e){return(0,i.default)("JSXElement",...e)},t.JSXEmptyExpression=t.jsxEmptyExpression=function(...e){return(0,i.default)("JSXEmptyExpression",...e)},t.JSXExpressionContainer=t.jsxExpressionContainer=function(...e){return(0,i.default)("JSXExpressionContainer",...e)},t.JSXSpreadChild=t.jsxSpreadChild=function(...e){return(0,i.default)("JSXSpreadChild",...e)},t.JSXIdentifier=t.jsxIdentifier=function(...e){return(0,i.default)("JSXIdentifier",...e)},t.JSXMemberExpression=t.jsxMemberExpression=function(...e){return(0,i.default)("JSXMemberExpression",...e)},t.JSXNamespacedName=t.jsxNamespacedName=function(...e){return(0,i.default)("JSXNamespacedName",...e)},t.JSXOpeningElement=t.jsxOpeningElement=function(...e){return(0,i.default)("JSXOpeningElement",...e)},t.JSXSpreadAttribute=t.jsxSpreadAttribute=function(...e){return(0,i.default)("JSXSpreadAttribute",...e)},t.JSXText=t.jsxText=function(...e){return(0,i.default)("JSXText",...e)},t.JSXFragment=t.jsxFragment=function(...e){return(0,i.default)("JSXFragment",...e)},t.JSXOpeningFragment=t.jsxOpeningFragment=function(...e){return(0,i.default)("JSXOpeningFragment",...e)},t.JSXClosingFragment=t.jsxClosingFragment=function(...e){return(0,i.default)("JSXClosingFragment",...e)},t.Noop=t.noop=function(...e){return(0,i.default)("Noop",...e)},t.Placeholder=t.placeholder=function(...e){return(0,i.default)("Placeholder",...e)},t.V8IntrinsicIdentifier=t.v8IntrinsicIdentifier=function(...e){return(0,i.default)("V8IntrinsicIdentifier",...e)},t.ArgumentPlaceholder=t.argumentPlaceholder=function(...e){return(0,i.default)("ArgumentPlaceholder",...e)},t.BindExpression=t.bindExpression=function(...e){return(0,i.default)("BindExpression",...e)},t.ClassProperty=t.classProperty=function(...e){return(0,i.default)("ClassProperty",...e)},t.PipelineTopicExpression=t.pipelineTopicExpression=function(...e){return(0,i.default)("PipelineTopicExpression",...e)},t.PipelineBareFunction=t.pipelineBareFunction=function(...e){return(0,i.default)("PipelineBareFunction",...e)},t.PipelinePrimaryTopicReference=t.pipelinePrimaryTopicReference=function(...e){return(0,i.default)("PipelinePrimaryTopicReference",...e)},t.ClassPrivateProperty=t.classPrivateProperty=function(...e){return(0,i.default)("ClassPrivateProperty",...e)},t.ClassPrivateMethod=t.classPrivateMethod=function(...e){return(0,i.default)("ClassPrivateMethod",...e)},t.ImportAttribute=t.importAttribute=function(...e){return(0,i.default)("ImportAttribute",...e)},t.Decorator=t.decorator=function(...e){return(0,i.default)("Decorator",...e)},t.DoExpression=t.doExpression=function(...e){return(0,i.default)("DoExpression",...e)},t.ExportDefaultSpecifier=t.exportDefaultSpecifier=function(...e){return(0,i.default)("ExportDefaultSpecifier",...e)},t.PrivateName=t.privateName=function(...e){return(0,i.default)("PrivateName",...e)},t.RecordExpression=t.recordExpression=function(...e){return(0,i.default)("RecordExpression",...e)},t.TupleExpression=t.tupleExpression=function(...e){return(0,i.default)("TupleExpression",...e)},t.DecimalLiteral=t.decimalLiteral=function(...e){return(0,i.default)("DecimalLiteral",...e)},t.StaticBlock=t.staticBlock=function(...e){return(0,i.default)("StaticBlock",...e)},t.TSParameterProperty=t.tsParameterProperty=function(...e){return(0,i.default)("TSParameterProperty",...e)},t.TSDeclareFunction=t.tsDeclareFunction=function(...e){return(0,i.default)("TSDeclareFunction",...e)},t.TSDeclareMethod=t.tsDeclareMethod=function(...e){return(0,i.default)("TSDeclareMethod",...e)},t.TSQualifiedName=t.tsQualifiedName=function(...e){return(0,i.default)("TSQualifiedName",...e)},t.TSCallSignatureDeclaration=t.tsCallSignatureDeclaration=function(...e){return(0,i.default)("TSCallSignatureDeclaration",...e)},t.TSConstructSignatureDeclaration=t.tsConstructSignatureDeclaration=function(...e){return(0,i.default)("TSConstructSignatureDeclaration",...e)},t.TSPropertySignature=t.tsPropertySignature=function(...e){return(0,i.default)("TSPropertySignature",...e)},t.TSMethodSignature=t.tsMethodSignature=function(...e){return(0,i.default)("TSMethodSignature",...e)},t.TSIndexSignature=t.tsIndexSignature=function(...e){return(0,i.default)("TSIndexSignature",...e)},t.TSAnyKeyword=t.tsAnyKeyword=function(...e){return(0,i.default)("TSAnyKeyword",...e)}

,t.tSBooleanKeyword=t.TSBooleanKeyword=t.tsBooleanKeyword=function(...e){return(0,i.default)("TSBooleanKeyword",...e)},t.tSBigIntKeyword=t.TSBigIntKeyword=t.tsBigIntKeyword=function(...e){return(0,i.default)("TSBigIntKeyword",...e)},t.tSIntrinsicKeyword=t.TSIntrinsicKeyword=t.tsIntrinsicKeyword=function(...e){return(0,i.default)("TSIntrinsicKeyword",...e)},t.tSNeverKeyword=t.TSNeverKeyword=t.tsNeverKeyword=function(...e){return(0,i.default)("TSNeverKeyword",...e)},t.tSNullKeyword=t.TSNullKeyword=t.tsNullKeyword=function(...e){return(0,i.default)("TSNullKeyword",...e)},t.tSNumberKeyword=t.TSNumberKeyword=t.tsNumberKeyword=function(...e){return(0,i.default)("TSNumberKeyword",...e)},t.tSObjectKeyword=t.TSObjectKeyword=t.tsObjectKeyword=function(...e){return(0,i.default)("TSObjectKeyword",...e)},t.tSStringKeyword=t.TSStringKeyword=t.tsStringKeyword=function(...e){return(0,i.default)("TSStringKeyword",...e)},t.tSSymbolKeyword=t.TSSymbolKeyword=t.tsSymbolKeyword=function(...e){return(0,i.default)("TSSymbolKeyword",...e)},t.tSUndefinedKeyword=t.TSUndefinedKeyword=t.tsUndefinedKeyword=function(...e){return(0,i.default)("TSUndefinedKeyword",...e)},t.tSUnknownKeyword=t.TSUnknownKeyword=t.tsUnknownKeyword=function(...e){return(0,i.default)("TSUnknownKeyword",...e)},t.tSVoidKeyword=t.TSVoidKeyword=t.tsVoidKeyword=function(...e){return(0,i.default)("TSVoidKeyword",...e)},t.tSThisType=t.TSThisType=t.tsThisType=function(...e){return(0,i.default)("TSThisType",...e)},t.tSFunctionType=t.TSFunctionType=t.tsFunctionType=function(...e){return(0,i.default)("TSFunctionType",...e)},t.tSConstructorType=t.TSConstructorType=t.tsConstructorType=function(...e){return(0,i.default)("TSConstructorType",...e)},t.tSTypeReference=t.TSTypeReference=t.tsTypeReference=function(...e){return(0,i.default)("TSTypeReference",...e)},t.tSTypePredicate=t.TSTypePredicate=t.tsTypePredicate=function(...e){return(0,i.default)("TSTypePredicate",...e)},t.tSTypeQuery=t.TSTypeQuery=t.tsTypeQuery=function(...e){return(0,i.default)("TSTypeQuery",...e)},t.tSTypeLiteral=t.TSTypeLiteral=t.tsTypeLiteral=function(...e){return(0,i.default)("TSTypeLiteral",...e)},t.tSArrayType=t.TSArrayType=t.tsArrayType=function(...e){return(0,i.default)("TSArrayType",...e)},t.tSTupleType=t.TSTupleType=t.tsTupleType=function(...e){return(0,i.default)("TSTupleType",...e)},t.tSOptionalType=t.TSOptionalType=t.tsOptionalType=function(...e){return(0,i.default)("TSOptionalType",...e)},t.tSRestType=t.TSRestType=t.tsRestType=function(...e){return(0,i.default)("TSRestType",...e)},t.tSNamedTupleMember=t.TSNamedTupleMember=t.tsNamedTupleMember=function(...e){return(0,i.default)("TSNamedTupleMember",...e)},t.tSUnionType=t.TSUnionType=t.tsUnionType=function(...e){return(0,i.default)("TSUnionType",...e)},t.tSIntersectionType=t.TSIntersectionType=t.tsIntersectionType=function(...e){return(0,i.default)("TSIntersectionType",...e)},t.tSConditionalType=t.TSConditionalType=t.tsConditionalType=function(...e){return(0,i.default)("TSConditionalType",...e)},t.tSInferType=t.TSInferType=t.tsInferType=function(...e){return(0,i.default)("TSInferType",...e)},t.tSParenthesizedType=t.TSParenthesizedType=t.tsParenthesizedType=function(...e){return(0,i.default)("TSParenthesizedType",...e)},t.tSTypeOperator=t.TSTypeOperator=t.tsTypeOperator=function(...e){return(0,i.default)("TSTypeOperator",...e)},t.tSIndexedAccessType=t.TSIndexedAccessType=t.tsIndexedAccessType=function(...e){return(0,i.default)("TSIndexedAccessType",...e)},t.tSMappedType=t.TSMappedType=t.tsMappedType=function(...e){return(0,i.default)("TSMappedType",...e)},t.tSLiteralType=t.TSLiteralType=t.tsLiteralType=function(...e){return(0,i.default)("TSLiteralType",...e)},t.tSExpressionWithTypeArguments=t.TSExpressionWithTypeArguments=t.tsExpressionWithTypeArguments=function(...e){return(0,i.default)("TSExpressionWithTypeArguments",...e)},t.tSInterfaceDeclaration=t.TSInterfaceDeclaration=t.tsInterfaceDeclaration=function(...e){return(0,i.default)("TSInterfaceDeclaration",...e)},t.tSInterfaceBody=t.TSInterfaceBody=t.tsInterfaceBody=function(...e){return(0,i.default)("TSInterfaceBody",...e)},t.tSTypeAliasDeclaration=t.TSTypeAliasDeclaration=t.tsTypeAliasDeclaration=function(...e){return(0,i.default)("TSTypeAliasDeclaration",...e)},t.tSAsExpression=t.TSAsExpression=t.tsAsExpression=function(...e){return(0,i.default)("TSAsExpression",...e)},t.tSTypeAssertion=t.TSTypeAssertion=t.tsTypeAssertion=function(...e){return(0,i.default)("TSTypeAssertion",...e)},t.tSEnumDeclaration=t.TSEnumDeclaration=t.tsEnumDeclaration=function(...e){return(0,i.default)("TSEnumDeclaration",...e)},t.tSEnumMember=t.TSEnumMember=t.tsEnumMember=function(...e){return(0,i.default)("TSEnumMember",...e)},t.tSModuleDeclaration=t.TSModuleDeclaration=t.tsModuleDeclaration=function(...e){return(0,i.default)("TSModuleDeclaration",...e)},t.tSModuleBlock=t.TSModuleBlock=t.tsModuleBlock=function(...e){return(0,i.default)("TSModuleBlock",...e)},t.tSImportType=t.TSImportType=t.tsImportType=function(...e){return(0,i.default)("TSImportType",...e)},t.tSImportEqualsDeclaration=t.TSImportEqualsDeclaration=t.tsImportEqualsDeclaration=function(...e){return(0,i.default)("TSImportEqualsDeclaration",...e)},t.tSExternalModuleReference=t.TSExternalModuleReference=t.tsExternalM

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oduleReference=function(...e){return(0,i.default)("TSExternalModuleReference",...e)},t.tSNonNullExpression=t.TS
NonNullExpression=t.tsNonNullExpression=function(...e){return(0,i.default)("TSNonNullExpression",...e)},t.tSExp
ortAssignment=t.TSExportAssignment=t.tsExportAssignment=function(...e){return(0,i.default)("TSExportAssignm
ent",...e)},t.tSNamespaceExportDeclaration=t.TSNamespaceExportDeclaration=t.tsNamespaceExportDeclaration=f
unction(...e){return(0,i.default)("TSNamespaceExportDeclaration",...e)},t.tSTypeAnnotation=t.TSTypeAnnotation=
t.tsTypeAnnotation=function(...e){return(0,i.default)("TSTypeAnnotation",...e)},t.tSTypeParameterInstantiation=t.T
STypeParameterInstantiation=t.tsTypeParameterInstantiation=function(...e){return(0,i.default)("TSTypeParameterIn
stantiation",...e)},t.tSTypeParameterDeclaration=t.TSTypeParameterDeclaration=t.tsTypeParameterDeclaration=fun
ction(...e){return(0,i.default)("TSTypeParameterDeclaration",...e)},t.tSTypeParameter=t.TSTypeParameter=t.tsType
Parameter=function(...e){return(0,i.default)("TSTypeParameter",...e)},t.numberLiteral=t.NumberLiteral=function(...
e){return console.trace("The node type NumberLiteral has been renamed to
NumericLiteral"),(0,i.default)("NumberLiteral",...e)},t.regexLiteral=t.RegexLiteral=function(...e){return
console.trace("The node type RegexLiteral has been renamed to
RegExpLiteral"),(0,i.default)("RegexLiteral",...e)},t.restProperty=t.RestProperty=function(...e){return
console.trace("The node type RestProperty has been renamed to
RestElement"),(0,i.default)("RestProperty",...e)},t.spreadProperty=t.SpreadProperty=function(...e){return
console.trace("The node type SpreadProperty has been renamed to
SpreadElement"),(0,i.default)("SpreadProperty",...e)};var
n,i=(n=r(137))&&n.__esModule?n:{default:n},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),Object.defineProperty(t,"VISITOR_KEYS",{enumerable:
!0,get:function(){return
s.VISITOR_KEYS}}),Object.defineProperty(t,"ALIAS_KEYS",{enumerable:!0,get:function(){return
s.ALIAS_KEYS}}),Object.defineProperty(t,"FLIPPED_ALIAS_KEYS",{enumerable:!0,get:function(){return
s.FLIPPED_ALIAS_KEYS}}),Object.defineProperty(t,"NODE_FIELDS",{enumerable:!0,get:function(){return
s.NODE_FIELDS}}),Object.defineProperty(t,"BUILDER_KEYS",{enumerable:!0,get:function(){return
s.BUILDER_KEYS}}),Object.defineProperty(t,"DEPRECATED_KEYS",{enumerable:!0,get:function(){return
s.DEPRECATED_KEYS}}),Object.defineProperty(t,"NODE_PARENT_VALIDATIONS",{enumerable:!0,get:fun
ction(){return
s.NODE_PARENT_VALIDATIONS}}),Object.defineProperty(t,"PLACEHOLDERS",{enumerable:!0,get:functio
n(){return
a.PLACEHOLDERS}}),Object.defineProperty(t,"PLACEHOLDERS_ALIAS",{enumerable:!0,get:function(){retur
n
a.PLACEHOLDERS_ALIAS}}),Object.defineProperty(t,"PLACEHOLDERS_FLIPPED_ALIAS",{enumerable:!0,
get:function(){return a.PLACEHOLDERS_FLIPPED_ALIAS}}),t.TYPES=void 0;var
n,i=(n=r(81))&&n.__esModule?n:{default:n};r(50),r(211),r(212),r(213),r(214),r(215);var
s=r(9),a=r(83);(0,i.default)(s.VISITOR_KEYS),(0,i.default)(s.ALIAS_KEYS),(0,i.default)(s.FLIPPED_ALIAS_KE
YS),(0,i.default)(s.NODE_FIELDS),(0,i.default)(s.BUILDER_KEYS),(0,i.default)(s.DEPRECATED_KEYS),(0,i.d
efault)(a.PLACEHOLDERS_ALIAS),(0,i.default)(a.PLACEHOLDERS_FLIPPED_ALIAS);const
o=Object.keys(s.VISITOR_KEYS).concat(Object.keys(s.FLIPPED_ALIAS_KEYS)).concat(Object.keys(s.DEPRE
CATED_KEYS));t.TYPES=o},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),Object.defineProperty(t,"VISITOR_KEYS",{enumerable:
!0,get:function(){return
i.VISITOR_KEYS}}),Object.defineProperty(t,"ALIAS_KEYS",{enumerable:!0,get:function(){return
i.ALIAS_KEYS}}),Object.defineProperty(t,"FLIPPED_ALIAS_KEYS",{enumerable:!0,get:function(){return
i.FLIPPED_ALIAS_KEYS}}),Object.defineProperty(t,"NODE_FIELDS",{enumerable:!0,get:function(){return
i.NODE_FIELDS}}),Object.defineProperty(t,"BUILDER_KEYS",{enumerable:!0,get:function(){return
i.BUILDER_KEYS}}),Object.defineProperty(t,"DEPRECATED_KEYS",{enumerable:!0,get:function(){return
i.DEPRECATED_KEYS}}),Object.defineProperty(t,"NODE_PARENT_VALIDATIONS",{enumerable:!0,get:func

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tion(){return
i.NODE_PARENT_VALIDATIONS }},Object.defineProperty(t,"PLACEHOLDERS",{enumerable:!0,get:function(
)}{return
s.PLACEHOLDERS }},Object.defineProperty(t,"PLACEHOLDERS_ALIAS",{enumerable:!0,get:function(){retur
n
s.PLACEHOLDERS_ALIAS }},Object.defineProperty(t,"PLACEHOLDERS_FLIPPED_ALIAS",{enumerable:!0,
get:function(){return s.PLACEHOLDERS_FLIPPED_ALIAS }},t.TYPES=void 0;var
n=r(81);r(55),r(269),r(270),r(271),r(272),r(273);var
i=r(10),s=r(105);n(i.VISITOR_KEYS),n(i.ALIAS_KEYS),n(i.FLIPPED_ALIAS_KEYS),n(i.NODE_FIELDS),n(i.
BUILDER_KEYS),n(i.DEPRECATED_KEYS),n(s.PLACEHOLDERS_ALIAS),n(s.PLACEHOLDERS_FLIPPED
_ALIAS);const
a=Object.keys(i.VISITOR_KEYS).concat(Object.keys(i.FLIPPED_ALIAS_KEYS)).concat(Object.keys(i.DEPREC
ATED_KEYS));t.TYPES=a,function(e,t,r){var n=r(68),i="object"===typeof
self&&self&&self.Object===Object&&self,s=n||i||Function("return this")();e.exports=s},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=t.SHOULD_SKIP=t.SHOULD_STOP=t.REMO
VED=void 0;var
n=P(r(63)),i=x(r(255)),s=x(r(17)),a=x(r(100)),o=P(r(0)),l=r(38),c=x(r(314)),p=P(r(338)),u=P(r(339)),d=P(r(342)),h
=P(r(353)),f=P(r(354)),m=P(r(363)),y=P(r(364)),T=P(r(365)),b=P(r(367)),g=P(r(369)),S=P(r(370));function
x(e){return e&&e.__esModule?:{default:e}}function E(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return E=function(){return e},e}function P(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return {default:e};var t=E();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}const
v=(0,i.default)("babel");t.REMOVED=1;t.SHOULD_STOP=2;t.SHOULD_SKIP=4;class
A{constructor(e,t){this.contexts=[],this.state=null,this.opts=null,this._traverseFlags=0,this.skipKeys=null,this.parent
Path=null,this.container=null,this.listKey=null,this.key=null,this.node=null,this.type=null,this.parent=t,this.hub=e,th
is.data=null,this.context=null,this.scope=null}static
get({hub:e,parentPath:t,parent:r,container:n,listKey:i,key:s}){if(!e&&t&&(e=t.hub),!r)throw new Error("To get a
node path the parent needs to exist");const a=n[s],o=l.path.get(r)||[];let c;l.path.has(r)||l.path.set(r,o);for(let
e=0;e<o.length;e++){const t=o[e];if(t.node===a){c=t;break}}return c||(c=new
A(e,r,o.push(c)),c.setup(t,n,i,s,c)}getScope(e){return this.isScope()?new a.default(this):e}setData(e,t){return
null===this.data&&(this.data=Object.create(null)),this.data[e]=t}getData(e,t){null===this.data&&(this.data=Object.cr
eate(null));let r=this.data[e];return void 0===r&&void
0!==(t&&(r=this.data[e]=t),r)}buildCodeFrameError(e,t=SyntaxError){return
this.hub.buildError(this.node,e,t)}traverse(e,t){(0,s.default)(this.node,e,this.scope,t,this)}set(e,t){o.validate(this.node
,e,t),this.node[e]=t}getPathLocation(){const e=[];let t=this;do{let
r=t.key;t.inList&&(r=`${t.listKey}[${r}]`,e.unshift(r))while(t=t.parentPath);return
e.join(".")}debug(e){v.enabled&&v`${this.getPathLocation()} ${this.type}:
${e}`})toString(){return(0,c.default)(this.node).code}get inList(){return!!this.listKey}set
inList(e){e||(this.listKey=null)}get parentKey(){return this.listKey||this.key}get
shouldSkip(){return!!(4&this._traverseFlags)}set shouldSkip(e){e?this._traverseFlags|=4:this._traverseFlags&=-
5}get shouldStop(){return!!(2&this._traverseFlags)}set
shouldStop(e){e?this._traverseFlags|=2:this._traverseFlags&=-3}get removed(){return!!(1&this._traverseFlags)}set
removed(e){e?this._traverseFlags|=1:this._traverseFlags&=-
2}}t.default=A,Object.assign(A.prototype,p,u,d,h,f,m,y,T,b,g,S);for(const e of o.TYPES){const
t="is"+e,r=o[t];A.prototype[t]=function(e){return

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r(this.node,e),A.prototype["assert"+e]=function(t){if(!r(this.node,t))throw new TypeError("Expected node path of
type "+e)}for(const e of
Object.keys(n)){if("_"===e[0])continue;o.TYPES.indexOf(e)<0&&o.TYPES.push(e);const
t=n[e];A.prototype["is"+e]=function(e){return t.checkPath(this,e)}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.validate=f,t.typeIs=m,t.validateType=function(e){return
f(m(e)),t.validateOptional=function(e){return{validate:e,optional:!0}},t.validateOptionalType=function(e){return
validate:m(e),optional:!0}},t.arrayOf=y,t.arrayOfType=T,t.validateArrayOfType=function(e){return
f(T(e)),t.assertEach=b,t.assertOneOf=function(...e){function t(t,r,n){if(e.indexOf(n)<0)throw new
TypeError(`Property ${r} expected value to be one of ${JSON.stringify(e)} but got ${JSON.stringify(n)`)}}return
t.oneOf=e,t,t.assertNodeType=g,t.assertNodeOrValueType=function(...e){function t(t,r,n){for(const a of
e)if(h(n)===a||(!0,i.default)(a,n))return void(0,s.validateChild)(t,r,n);throw new TypeError(`Property ${r} of
${t.type} expected node to be of a type ${JSON.stringify(e)} but instead got ${JSON.stringify(null===n?void
0:n.type)`)}}return t.oneOfNodeOrValueTypes=e,t,t.assertValueType=S,t.assertShape=function(e){function
t(t,r,n){const i=[];for(const r of Object.keys(e))try{(0,s.validateField)(t,r,n[r],e[r])}catch(e){if(e instanceof
TypeError){i.push(e.message);continue}throw e}if(i.length)throw new TypeError(`Property ${r} of ${t.type}
expected to have the following:\n${i.join("\n")`)}}return
t.shapeOf=e,t,t.assertOptionalChainStart=function(){return function(e){var t;let
r=e;for(;e;){const{type:e}=r;if("OptionalCallExpression"!==e){if("OptionalMemberExpression"!==e)break;if(r.opti
onal)return;r=r.object}else{if(r.optional)return;r=r.callee}}throw new TypeError(`Non-optional ${e.type} must
chain from an optional OptionalMemberExpression or OptionalCallExpression. Found chain from
${null==(t=r)?void 0:t.type}`)}}},t.chain=x,t.default=function(e,t={}){const r=t.inherits&&v[t.inherits]||{};let
n=t.fields;if(!n&&(n={},r.fields)){const e=Object.getOwnPropertyNames(r.fields);for(const t of e){const
e=r.fields[t];n[t]={default:e.default,optional:e.optional,validate:e.validate}}}const
i=t.visitor||r.visitor||[],s=t.aliases||r.aliases||[],f=t.builder||r.builder||t.visitor||[];for(const r of Object.keys(t))if(-
1===E.indexOf(r))throw new Error(`Unknown type option "${r}" on
${e}`);t.deprecatedAlias&&(u[t.deprecatedAlias]=e);for(const e of i.concat(f))n[e]=n[e]||{};for(const t of
Object.keys(n)){const r=n[t];void 0!==(r.default&&-1===f.indexOf(t)&&(r.optional!=0),void
0===r.default?r.default=null:r.validate||null===r.default||(r.validate=S(h(r.default)));for(const n of Object.keys(r))if(-
1===P.indexOf(n))throw new Error(`Unknown field key "${n}" on
${e}.${t}`)}a[e]=t.visitor=i,p[e]=t.builder=f,c[e]=t.fields=n,o[e]=t.aliases=s,s.forEach(t=>{l[t]=l[t]||[],l[t].push(e)}),
t.validate&&(d[e]=t.validate);v[e]=t},t.NODE_PARENT_VALIDATIONS=t.DEPRECATED_KEYS=t.BUILDER
_KEYS=t.NODE_FIELDS=t.FLIPPED_ALIAS_KEYS=t.ALIAS_KEYS=t.VISITOR_KEYS=void 0;var
n,i=(n=r(34))&&n.__esModule?n:{default:n},s=r(52);const a={};t.VISITOR_KEYS=a;const
o={};t.ALIAS_KEYS=o;const l={};t.FLIPPED_ALIAS_KEYS=l;const c={};t.NODE_FIELDS=c;const
p={};t.BUILDER_KEYS=p;const u={};t.DEPRECATED_KEYS=u;const d={};function h(e){return
Array.isArray(e)?"array":null===e?"null":typeof e}function f(e){return{validate:e}}function
m(e){return"string"===typeof e?g(e):g(...e)}function y(e){return x(S("array"),b(e))}function T(e){return
y(m(e))}function b(e){function t(t,r,n){if(Array.isArray(n))for(let i=0;i<n.length;i++){const
a=`${r}[${i}]`,o=n[i];e(t,a,o),process.env.BABEL_TYPES_8_BREAKING&&(0,s.validateChild)(t,a,o)}}return
t.each=e,t}function g(...e){function t(t,r,n){for(const a of e)if(!0,i.default)(a,n)return
void(0,s.validateChild)(t,r,n);throw new TypeError(`Property ${r} of ${t.type} expected node to be of a type
${JSON.stringify(e)} but instead got ${JSON.stringify(null===n?void 0:n.type)`)}}return
t.oneOfNodeTypes=e,t}function S(e){function t(t,r,n){if(!(h(n)===e))throw new TypeError(`Property ${r} expected
type of ${e} but got ${h(n)`)}}return t.type=e,t}function x(...e){function t(...t){for(const r of e)r(...t)}return
t.chainOf=e,t,t.NODE_PARENT_VALIDATIONS=d;const
E=["aliases","builder","deprecatedAlias","fields","inherits","visitor","validate"],P=["default","optional","validate"];
const v={}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.validate=h,t.typeIs=f,t.validateType=function(e){return

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h(f(e)),t.validateOptional=function(e){return{validate:e,optional:!0}},t.validateOptionalType=function(e){return{v
alidate:f(e),optional:!0}},t.arrayOf=m,t.arrayOfType=y,t.validateArrayOfType=function(e){return
h(y(e)),t.assertEach=T,t.assertOneOf=function(...e){function t(t,r,n){if(e.indexOf(n)<0)throw new
TypeError(`Property ${r} expected value to be one of ${JSON.stringify(e)} but got ${JSON.stringify(n)`)}}return
t.oneOf=e,t,t.assertNodeType=b,t.assertNodeOrValueType=function(...e){function t(t,r,s){for(const a of
e)if(d(s)===a||((0,n.default)(a,s))return void(0,i.validateChild)(t,r,s);throw new TypeError(`Property ${r} of
${t.type} expected node to be of a type ${JSON.stringify(e)} but instead got ${JSON.stringify(null===s?void
0:s.type)`)}}return t.oneOfNodeOrValueTypes=e,t,t.assertValueType=g,t.assertShape=function(e){function
t(t,r,n){const s=[];for(const r of Object.keys(e))try{(0,i.validateField)(t,r,n[r],e[r])}catch(e){if(e instanceof
TypeError){s.push(e.message);continue}throw e}if(s.length)throw new TypeError(`Property ${r} of ${t.type}
expected to have the following:\n${s.join("\n")`)}}return
t.shapeOf=e,t,t.assertOptionalChainStart=function(){return function(e){var t;let
r=e;for(;e;){const{type:e}=r;if("OptionalCallExpression"!==e){if("OptionalMemberExpression"!==e)break;if(r.opti
onal)return;r=r.object}else{if(r.optional)return;r=r.callee}}throw new TypeError(`Non-optional ${e.type} must
chain from an optional OptionalMemberExpression or OptionalCallExpression. Found chain from
${null==(t=r)?void 0:t.type} `)},t.chain=S,t.default=function(e,t={}){const r=t.inherits&&P[t.inherits]||{};let
n=t.fields;if(!n&&(n={},r.fields)){const e=Object.getOwnPropertyNames(r.fields);for(const t of e){const
e=r.fields[t],i=e.default;if(Array.isArray(i)?i.length>0:i&&"object"===typeof i)throw new Error("field defaults can
only be primitives or empty arrays
currently");n[t]={default:Array.isArray(i)?[]:i,optional:e.optional,validate:e.validate}}}const
i=t.visitor||r.visitor||[],h=t.aliases||r.aliases||[],f=t.builder||r.builder||t.visitor||[];for(const r of Object.keys(t))if(-
1===x.indexOf(r))throw new Error(`Unknown type option "${r}" on
${e}`);t.deprecatedAlias&&(p[t.deprecatedAlias]=e);for(const e of i.concat(f))n[e]=n[e]||{};for(const t of
Object.keys(n)){const r=n[t];void 0!==(r.default&&-1===f.indexOf(t)&&(r.optional=!0),void
0===r.default?r.default=null:r.validate||null===r.default||(r.validate=g(d(r.default)));for(const n of Object.keys(r))if(-
1===E.indexOf(n))throw new Error(`Unknown field key "${n}" on
${e}.${t}`)}s[e]=t.visitor=i,c[e]=t.builder=f,l[e]=t.fields=n,a[e]=t.aliases=h,h.forEach(t=>{o[t]=o[t]||[],o[t].push(e)
}),t.validate&&(u[e]=t.validate);P[e]=t,t.NODE_PARENT_VALIDATIONS=t.DEPRECATED_KEYS=t.BUILDE
R_KEYS=t.NODE_FIELDS=t.FLIPPED_ALIAS_KEYS=t.ALIAS_KEYS=t.VISITOR_KEYS=void 0;var
n=r(36),i=r(57);const s={};t.VISITOR_KEYS=s;const a={};t.ALIAS_KEYS=a;const
o={};t.FLIPPED_ALIAS_KEYS=o;const l={};t.NODE_FIELDS=l;const c={};t.BUILDER_KEYS=c;const
p={};t.DEPRECATED_KEYS=p;const u={};function d(e){return Array.isArray(e)?"array":null===e?"null":typeof
e}function h(e){return{validate:e}}function f(e){return"string"===typeof e?b(e):b(...e)}function m(e){return
S(g("array"),T(e))}function y(e){return m(f(e))}function T(e){function t(t,r,n){if(Array.isArray(n))for(let
s=0;s<n.length;s++){const
a=`${r}[${s}]`,o=n[s];e(t,a,o),process.env.BABEL_TYPES_8_BREAKING&&(0,i.validateChild)(t,a,o)}}return
t.each=e,t}function b(...e){function t(t,r,s){for(const a of e)if(!((0,n.default)(a,s))return
void(0,i.validateChild)(t,r,s);throw new TypeError(`Property ${r} of ${t.type} expected node to be of a type
${JSON.stringify(e)} but instead got ${JSON.stringify(null===s?void 0:s.type)`)}}return
t.oneOfNodeTypes=e,t}function g(e){function t(t,r,n){if(!(d(n)===e))throw new TypeError(`Property ${r} expected
type of ${e} but got ${d(n)`)}}return t.type=e,t}function S(...e){function t(...t){for(const r of
e)r(...t)}if(t.chainOf=e,e.length>=2&&"type" in e[0]&&"array"===e[0].type&&!("each"in e[1]))throw new
Error(`An assertValueType("array") validator can only be followed by an assertEach(...) validator.`);return
t}t.NODE_PARENT_VALIDATIONS=u;const
x=["aliases","builder","deprecatedAlias","fields","inherits","visitor","validate"],E=["default","optional","validate"];
const P={},function(e,t,r){var n=r(151),i=r(156);e.exports=function(e,t){var r=i(e,t);return n(r)?r:void
0}},function(e,t){e.exports=function(e){return null!=e&&"object"===typeof e}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.NOT_LOCAL_BINDING=t.BLOCK_SCOPED_SYMB

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OL=t.INHERIT_KEYS=t.UNARY_OPERATORS=t.STRING_UNARY_OPERATORS=t.NUMBER_UNARY_O
PERATORS=t.BOOLEAN_UNARY_OPERATORS=t.ASSIGNMENT_OPERATORS=t.BINARY_OPERATORS
=t.NUMBER_BINARY_OPERATORS=t.BOOLEAN_BINARY_OPERATORS=t.COMPARISON_BINARY_OP
ERATORS=t.EQUALITY_BINARY_OPERATORS=t.BOOLEAN_NUMBER_BINARY_OPERATORS=t.UPDA
TE_OPERATORS=t.LOGICAL_OPERATORS=t.COMMENT_KEYS=t.FOR_INIT_KEYS=t.FLATTENABLE_K
EYS=t.STATEMENT_OR_BLOCK_KEYS=void
0;t.STATEMENT_OR_BLOCK_KEYS=["consequent","body","alternate"];t.FLATTENABLE_KEYS=["body","ex
pressions"];t.FOR_INIT_KEYS=["left","init"];t.COMMENT_KEYS=["leadingComments","trailingComments","in
nerComments"];const n=["||","&&","??"];t.LOGICAL_OPERATORS=n;t.UPDATE_OPERATORS=["++","--
"];const i=[">","<",">=","<="];t.BOOLEAN_NUMBER_BINARY_OPERATORS=i;const
s["==","===","!=", "!=="];t.EQUALITY_BINARY_OPERATORS=s;const
a["...s","in","instanceof"];t.COMPARISON_BINARY_OPERATORS=a;const
o["...a,...i"];t.BOOLEAN_BINARY_OPERATORS=o;const l=["-
","/","%","*","**","&","|",">>",">>>","<<","^"];t.NUMBER_BINARY_OPERATORS=l;const
c["+","...l,...o"];t.BINARY_OPERATORS=c;const
p["=", "+=", "...l.map(e=>e+"="),...n.map(e=>e+"=")];t.ASSIGNMENT_OPERATORS=p;const
u=["delete","!"];t.BOOLEAN_UNARY_OPERATORS=u;const d["+","-
","~"];t.NUMBER_UNARY_OPERATORS=d;const h=["typeof"];t.STRING_UNARY_OPERATORS=h;const
f=["void","throw",...u,...d,...h];t.UNARY_OPERATORS=f;t.INHERIT_KEYS={ optional:["typeAnnotation","typeP
arameters","returnType"],force:["start","loc","end"]};const m=Symbol.for("var used to be block
scoped");t.BLOCK_SCOPED_SYMBOL=m;const y=Symbol.for("should not be considered a local
binding");t.NOT_LOCAL_BINDING=y,function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=o;var n=r(5);const
i=Function.call.bind(Object.prototype.hasOwnProperty);function s(e,t,r){return e&&"string"===typeof
e.type?o(e,t,r):e}function a(e,t,r){return Array.isArray(e)?e.map(e=>s(e,t,r)):s(e,t,r)}function
o(e,t=!0,r=!1){if(!e)return
e;const {type:s}=e,o={type:s};if("Identifier"===s)o.name=e.name,i(e,"optional")&&"boolean"===typeof
e.optional&&(o.optional=e.optional),i(e,"typeAnnotation")&&(o.typeAnnotation=t?a(e.typeAnnotation,!0,r):e.type
Annotation);else if(!i(n.NODE_FIELDS,s))throw new Error(`Unknown node type: "${s}"`);for(const c of
Object.keys(n.NODE_FIELDS[s]))i(e,c)&&(o[c]=t?"File"===s&&"comments"===c?l(e.comments,t,r):a(e[c],!0,r):e
[c])}return
i(e,"loc")&&(o.loc=r?null:e.loc),i(e,"leadingComments")&&(o.leadingComments=l(e.leadingComments,t,r)),i(e,"in
nerComments")&&(o.innerComments=l(e.innerComments,t,r)),i(e,"trailingComments")&&(o.trailingComments=l(
e.trailingComments,t,r)),i(e,"extra")&&(o.extra=Object.assign({},e.extra),o)}function l(e,t,r){return
t&&r?function(e){return e.map(({type:e,value:t})=>({type:e,value:t,loc:null}))}(e):e},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.NOT_LOCAL_BINDING=t.BLOCK_SCOPED_SYMB
OL=t.INHERIT_KEYS=t.UNARY_OPERATORS=t.STRING_UNARY_OPERATORS=t.NUMBER_UNARY_O
PERATORS=t.BOOLEAN_UNARY_OPERATORS=t.ASSIGNMENT_OPERATORS=t.BINARY_OPERATORS
=t.NUMBER_BINARY_OPERATORS=t.BOOLEAN_BINARY_OPERATORS=t.COMPARISON_BINARY_OP
ERATORS=t.EQUALITY_BINARY_OPERATORS=t.BOOLEAN_NUMBER_BINARY_OPERATORS=t.UPDA
TE_OPERATORS=t.LOGICAL_OPERATORS=t.COMMENT_KEYS=t.FOR_INIT_KEYS=t.FLATTENABLE_K
EYS=t.STATEMENT_OR_BLOCK_KEYS=void
0;t.STATEMENT_OR_BLOCK_KEYS=["consequent","body","alternate"];t.FLATTENABLE_KEYS=["body","ex
pressions"];t.FOR_INIT_KEYS=["left","init"];t.COMMENT_KEYS=["leadingComments","trailingComments","in
nerComments"];const n=["||","&&","??"];t.LOGICAL_OPERATORS=n;t.UPDATE_OPERATORS=["++","--
"];const i=[">","<",">=","<="];t.BOOLEAN_NUMBER_BINARY_OPERATORS=i;const
s["==","===","!=", "!=="];t.EQUALITY_BINARY_OPERATORS=s;const
a["...s","in","instanceof"];t.COMPARISON_BINARY_OPERATORS=a;const

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o=[...a,...i];t.BOOLEAN_BINARY_OPERATORS=o;const l=["-
","/","%","*","**","&","|",">>",">>>","<<","^"];t.NUMBER_BINARY_OPERATORS=l;const
c=["+","...l,...o];t.BINARY_OPERATORS=c;const
p=["=","+=",...l.map(e=>e+"="),...n.map(e=>e+"=")];t.ASSIGNMENT_OPERATORS=p;const
u=["delete","!"];t.BOOLEAN_UNARY_OPERATORS=u;const d=["+","-
","~"];t.NUMBER_UNARY_OPERATORS=d;const h=["typeof"];t.STRING_UNARY_OPERATORS=h;const
f=["void","throw",...u,...d,...h];t.UNARY_OPERATORS=f;t.INHERIT_KEYS={optional:["typeAnnotation","typeP
arameters","returnType"],force:["start","loc","end"]};const m=Symbol.for("var used to be block
scoped");t.BLOCK_SCOPED_SYMBOL=m;const y=Symbol.for("should not be considered a local
binding");t.NOT_LOCAL_BINDING=y,function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=l;var n=r(6),i=r(1);const
s=Function.call.bind(Object.prototype.hasOwnProperty);function a(e,t,r){return e&&"string"===typeof
e.type?l(e,t,r):e}function o(e,t,r){return Array.isArray(e)?e.map(e=>a(e,t,r)):a(e,t,r)}function
l(e,t=!0,r=!1){if(!e)return
e;const{type:a}=e,l={type:e.type};if((0,i.isIdentifier)(e))l.name=e.name,s(e,"optional")&&"boolean"===typeof
e.optional&&(l.optional=e.optional),s(e,"typeAnnotation")&&(l.typeAnnotation=t?(o(e.typeAnnotation,!0,r):e.typeA
nnotation);else{if(!s(n.NODE_FIELDS,a))throw new Error("Unknown node type: "${a}")};for(const p of
Object.keys(n.NODE_FIELDS[a]))s(e,p)&&(l[p]=t?(0,i.isFile)(e)&&"comments"===p?c(e.comments,t,r):o(e[p],!0,
r):e[p])}return
s(e,"loc")&&(l.loc=r?null:e.loc),s(e,"leadingComments")&&(l.leadingComments=c(e.leadingComments,t,r)),s(e,"in
nerComments")&&(l.innerComments=c(e.innerComments,t,r)),s(e,"trailingComments")&&(l.trailingComments=c(
e.trailingComments,t,r)),s(e,"extra")&&(l.extra=Object.assign({},e.extra),l)}function c(e,t,r){return
e&&t?e.map(({type:e,value:t,loc:n})=>r?{type:e,value:t,loc:null}:{type:e,value:t,loc:n}):e},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=h,Object.defineProperty(t,"NodePath",{enumera
ble:!0,get:function(){return o.default}}),Object.defineProperty(t,"Scope",{enumerable:!0,get:function(){return
l.default}}),Object.defineProperty(t,"Hub",{enumerable:!0,get:function(){return c.default}}),t.visitors=void 0;var
n=d(r(132)),i=u(r(371));t.visitors=i;var s=u(r(0)),a=u(r(38)),o=d(r(8)),l=d(r(100)),c=d(r(372));function
p(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return p=function(){return e},e}function
u(e){if(e&&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var
t=p();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i
in e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}return
r.default=e,t&&t.set(e,r,r)}function d(e){return e&&&e.__esModule?e:{default:e}}function
h(e,t,r,n,a){if(e){if(t|(t={}),!t.noScope&&!r&&"Program"===e.type&&"File"===e.type)throw new Error("You must
pass a scope and parentPath unless traversing a Program/File. Instead of that you tried to traverse a ${e.type} node
without passing scope and parentPath.");s.VISITOR_KEYS[e.type]&&(i.explode(t),h.node(e,t,r,n,a))}}function
f(e,t){e.node.type===t.type&&(t.has=!0,e.stop());h.visitors=i,h.verify=i.verify,h.explode=i.explode,h.cheap=functio
n(e,t){return s.traverseFast(e,t),h.node=function(e,t,r,i,a,o){const l=s.VISITOR_KEYS[e.type];if(!l)return;const
c=new n.default(t,i,a);for(const t of
l)if(!(!o|o[t])&&c.visit(e,t))return},h.clearNode=function(e,t){s.removeProperties(e,t),a.path.delete(e),h.removePro
perties=function(e,t){return s.traverseFast(e,h.clearNode,t),e},h.hasType=function(e,t,r){if(null===r?void
0:r.includes(e.type))return!1;if(e.type===t)return!0;const n={has:!1,type:t};return
h(e,{noScope:!0,denylist:r,enter:f},null,n),n.has},h.cache=a},function(e,t,r){var
n=r(41),i=r(152),s=r(153),a=n?n.toStringTag:void 0;e.exports=function(e){return null===e?void 0===e?"[object
Undefined]":"[object Null]":a&&a in Object(e)?i(e):s(e)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),Object.defineProperty(t,"isIdentifierName",{enumerable:!
0,get:function(){return
n.isIdentifierName}}),Object.defineProperty(t,"isIdentifierChar",{enumerable:!0,get:function(){return

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n.isIdentifierChar})),Object.defineProperty(t,"isIdentifierStart",{enumerable:!0,get:function(){return
n.isIdentifierStart}}),Object.defineProperty(t,"isReservedWord",{enumerable:!0,get:function(){return
i.isReservedWord}}),Object.defineProperty(t,"isStrictBindOnlyReservedWord",{enumerable:!0,get:function(){retur
n
i.isStrictBindOnlyReservedWord}}),Object.defineProperty(t,"isStrictBindReservedWord",{enumerable:!0,get:functi
on(){return
i.isStrictBindReservedWord}}),Object.defineProperty(t,"isStrictReservedWord",{enumerable:!0,get:function(){retu
rn i.isStrictReservedWord}}),Object.defineProperty(t,"isKeyword",{enumerable:!0,get:function(){return
i.isKeyword}});var n=r(209),i=r(210)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0});var
n={react:!0,assertNode:!0,createTypeAnnotationBasedOnTypeof:!0,createUnionTypeAnnotation:!0,createFlowUnio
nType:!0,createTSUnionType:!0,cloneNode:!0,clone:!0,cloneDeep:!0,cloneDeepWithoutLoc:!0,cloneWithoutLoc:!
0,addComment:!0,addComments:!0,inheritInnerComments:!0,inheritLeadingComments:!0,inheritsComments:!0,inh
eritTrailingComments:!0,removeComments:!0,ensureBlock:!0,toBindingIdentifierName:!0,toBlock:!0,toComputed
Key:!0,toExpression:!0,toIdentifier:!0,toKeyAlias:!0,toSequenceExpression:!0,toStatement:!0,valueToNode:!0,appe
ndToMemberExpression:!0,inherits:!0,prependToMemberExpression:!0,removeProperties:!0,removePropertiesDeep
:!0,removeTypeDuplicates:!0,getBindingIdentifiers:!0,getOuterBindingIdentifiers:!0,truncate:!0,truncateFast:!0,shall
owEqual:!0,is:!0,isBinding:!0,isBlockScoped:!0,isImmutable:!0,isLet:!0,isNode:!0,isNodesEquivalent:!0,isPlacehol
derType:!0,isReferenced:!0,isScope:!0,isSpecifierDefault:!0,isType:!0,isValidES3Identifier:!0,isValidIdentifier:!0,is
Var:!0,matchesPattern:!0,validate:!0,buildMatchMemberExpression:!0};Object.defineProperty(t,"assertNode",{enu
merable:!0,get:function(){return
o.default}}),Object.defineProperty(t,"createTypeAnnotationBasedOnTypeof",{enumerable:!0,get:function(){return
c.default}}),Object.defineProperty(t,"createUnionTypeAnnotation",{enumerable:!0,get:function(){return
p.default}}),Object.defineProperty(t,"createFlowUnionType",{enumerable:!0,get:function(){return
p.default}}),Object.defineProperty(t,"createTSUnionType",{enumerable:!0,get:function(){return
u.default}}),Object.defineProperty(t,"cloneNode",{enumerable:!0,get:function(){return
f.default}}),Object.defineProperty(t,"clone",{enumerable:!0,get:function(){return
m.default}}),Object.defineProperty(t,"cloneDeep",{enumerable:!0,get:function(){return
y.default}}),Object.defineProperty(t,"cloneDeepWithoutLoc",{enumerable:!0,get:function(){return
T.default}}),Object.defineProperty(t,"cloneWithoutLoc",{enumerable:!0,get:function(){return
b.default}}),Object.defineProperty(t,"addComment",{enumerable:!0,get:function(){return
g.default}}),Object.defineProperty(t,"addComments",{enumerable:!0,get:function(){return
S.default}}),Object.defineProperty(t,"inheritInnerComments",{enumerable:!0,get:function(){return
x.default}}),Object.defineProperty(t,"inheritLeadingComments",{enumerable:!0,get:function(){return
E.default}}),Object.defineProperty(t,"inheritsComments",{enumerable:!0,get:function(){return
P.default}}),Object.defineProperty(t,"inheritTrailingComments",{enumerable:!0,get:function(){return
v.default}}),Object.defineProperty(t,"removeComments",{enumerable:!0,get:function(){return
A.default}}),Object.defineProperty(t,"ensureBlock",{enumerable:!0,get:function(){return
I.default}}),Object.defineProperty(t,"toBindingIdentifierName",{enumerable:!0,get:function(){return
C.default}}),Object.defineProperty(t,"toBlock",{enumerable:!0,get:function(){return
N.default}}),Object.defineProperty(t,"toComputedKey",{enumerable:!0,get:function(){return
k.default}}),Object.defineProperty(t,"toExpression",{enumerable:!0,get:function(){return
D.default}}),Object.defineProperty(t,"toIdentifier",{enumerable:!0,get:function(){return
_.default}}),Object.defineProperty(t,"toKeyAlias",{enumerable:!0,get:function(){return
L.default}}),Object.defineProperty(t,"toSequenceExpression",{enumerable:!0,get:function(){return
M.default}}),Object.defineProperty(t,"toStatement",{enumerable:!0,get:function(){return
j.default}}),Object.defineProperty(t,"valueToNode",{enumerable:!0,get:function(){return
F.default}}),Object.defineProperty(t,"appendToMemberExpression",{enumerable:!0,get:function(){return

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B.default })),Object.defineProperty(t,"inherits",{enumerable:!0,get:function(){return
U.default })),Object.defineProperty(t,"prependToMemberExpression",{enumerable:!0,get:function(){return
V.default })),Object.defineProperty(t,"removeProperties",{enumerable:!0,get:function(){return
K.default })),Object.defineProperty(t,"removePropertiesDeep",{enumerable:!0,get:function(){return
q.default })),Object.defineProperty(t,"removeTypeDuplicates",{enumerable:!0,get:function(){return
Y.default })),Object.defineProperty(t,"getBindingIdentifiers",{enumerable:!0,get:function(){return
W.default })),Object.defineProperty(t,"getOuterBindingIdentifiers",{enumerable:!0,get:function(){return
X.default })),Object.defineProperty(t,"traverse",{enumerable:!0,get:function(){return
J.default })),Object.defineProperty(t,"traverseFast",{enumerable:!0,get:function(){return
H.default })),Object.defineProperty(t,"shallowEqual",{enumerable:!0,get:function(){return
G.default })),Object.defineProperty(t,"is",{enumerable:!0,get:function(){return
z.default })),Object.defineProperty(t,"isBinding",{enumerable:!0,get:function(){return
$.default })),Object.defineProperty(t,"isBlockScoped",{enumerable:!0,get:function(){return
Q.default })),Object.defineProperty(t,"isImmutable",{enumerable:!0,get:function(){return
Z.default })),Object.defineProperty(t,"isLet",{enumerable:!0,get:function(){return
ee.default })),Object.defineProperty(t,"isNode",{enumerable:!0,get:function(){return
te.default })),Object.defineProperty(t,"isNodesEquivalent",{enumerable:!0,get:function(){return
re.default })),Object.defineProperty(t,"isPlaceholderType",{enumerable:!0,get:function(){return
ne.default })),Object.defineProperty(t,"isReferenced",{enumerable:!0,get:function(){return
ie.default })),Object.defineProperty(t,"isScope",{enumerable:!0,get:function(){return
se.default })),Object.defineProperty(t,"isSpecifierDefault",{enumerable:!0,get:function(){return
ae.default })),Object.defineProperty(t,"isType",{enumerable:!0,get:function(){return
oe.default })),Object.defineProperty(t,"isValidES3Identifier",{enumerable:!0,get:function(){return
le.default })),Object.defineProperty(t,"isValidIdentifier",{enumerable:!0,get:function(){return
ce.default })),Object.defineProperty(t,"isVar",{enumerable:!0,get:function(){return
pe.default })),Object.defineProperty(t,"matchesPattern",{enumerable:!0,get:function(){return
ue.default })),Object.defineProperty(t,"validate",{enumerable:!0,get:function(){return
de.default })),Object.defineProperty(t,"buildMatchMemberExpression",{enumerable:!0,get:function(){return
he.default })),t.react=void 0;var
i=r(264),s=r(265),a=r(266),o=r(274),l=r(275);Object.keys(l).forEach((function(e){ "default"!==e&&"__esModule"!
===e&&(Object.prototype.hasOwnProperty.call(n,e))|e in
t&&t[e]===l[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return l[e]}})}));var
c=r(276),p=r(277),u=r(278),d=r(3);Object.keys(d).forEach((function(e){ "default"!==e&&"__esModule"!===e&&(O
bject.prototype.hasOwnProperty.call(n,e))|e in
t&&t[e]===d[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return d[e]}})}));var
h=r(280);Object.keys(h).forEach((function(e){ "default"!==e&&"__esModule"!===e&&(Object.prototype.hasOwnProperty.Pr
operty.call(n,e))|e in t&&t[e]===h[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return h[e]}})}));var
f=r(16),m=r(281),y=r(282),T=r(283),b=r(284),g=r(285),S=r(108),x=r(109),E=r(110),P=r(111),v=r(112),A=r(286),w
=r(287);Object.keys(w).forEach((function(e){ "default"!==e&&"__esModule"!===e&&(Object.prototype.hasOwnProperty.Pr
operty.call(n,e))|e in t&&t[e]===w[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return w[e]}})}));var
O=r(15);Object.keys(O).forEach((function(e){ "default"!==e&&"__esModule"!===e&&(Object.prototype.hasOwnProperty.Pr
operty.call(n,e))|e in t&&t[e]===O[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return
O[e]}})}));var
I=r(288),C=r(289),N=r(113),k=r(290),D=r(291),_=r(114),L=r(292),M=r(293),j=r(295),F=r(296),R=r(6);Object.keys
(R).forEach((function(e){ "default"!==e&&"__esModule"!===e&&(Object.prototype.hasOwnProperty.call(n,e))|e in
t&&t[e]===R[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return R[e]}})}));var
B=r(297),U=r(298),V=r(299),K=r(117),q=r(115),Y=r(107),W=r(37),X=r(300),J=r(301);Object.keys(J).forEach((fun
ction(e){ "default"!==e&&"__esModule"!===e&&(Object.prototype.hasOwnProperty.call(n,e))|e in

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t&&t[e]===J[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return J[e]}}));var
H=r(116),G=r(54),z=r(36),s=r(302),Q=r(303),Z=r(304),ee=r(118),te=r(106),re=r(305),ne=r(104),ie=r(306),se=r(307
),ae=r(308),oe=r(56),le=r(309),ce=r(24),pe=r(310),ue=r(103),de=r(57),he=r(102),fe=r(1);Object.keys(fe).forEach((f
unction(e){"default"!==e&&"__esModule"!==e&&(Object.prototype.hasOwnProperty.call(n,e))|e in
t&&t[e]===fe[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return fe[e]}}));var
me=r(311);Object.keys(me).forEach((function(e){"default"!==e&&"__esModule"!==e&&(Object.prototype.hasOw
nProperty.call(n,e))|e in t&&t[e]===me[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return
me[e]}}));const
ye={isReactComponent:i.default,isCompatTag:s.default,buildChildren:a.default};t.react=ye},function(e,t){t.getArg
=function(e,t,r){if(t in e)return e[t];if(3===arguments.length)return r;throw new Error("\'+t+' is a required
argument.");var r=/(?:(?!(\w+|-)+:)?\|\/(?:!(\w+:\w+@)?(?:[\w.-]*?:?(?!(\d+)?(?:\.$|n=^data:.\+\.|.+$/;function
i(e){var t=e.match(r);return t?{scheme:t[1],auth:t[2],host:t[3],port:t[4],path:t[5]}:null}function s(e){var t="";return
e.scheme&&(t+=e.scheme+":"),t+="/",e.auth&&(t+=e.auth+"@"),e.host&&(t+=e.host),e.port&&(t+=":"+e.port),e.
path&&(t+=e.path),t.t.urlParse=i,t.urlGenerate=s;var a,o,l=(a=function(e){var r=e,n=i(e);if(n){if(!n.path)return
e;r=n.path}for(var a=t.isAbsolute(r),o=[],l=0,c=0;){if(l=c,-
l===c=r.indexOf("/",l)){o.push(r.slice(l));break}for(o.push(r.slice(l,c));c<r.length&&"/"===r[c];)c++}var
p,u=0;for(c=o.length-1;c>=0;c--
)"."===p?o.splice(c,1).."===p?u++:u>0&&("===p?(o.splice(c+1,u),u=0):(o.splice(c,2),u--
));return""===r?o.join("/")&&(r=a?"":"."),n?(n.path=r,s(n)):r,o=[],function(e){for(var
t=0;t<o.length;t++)if(o[t].input===e){var r=o[0];return o[0]=o[t],o[t]=r,o[0].result}var n=a(e);return
o.unshift({input:e,result:n}),o.length>32&&o.pop(),n);function c(e,t){""===e&&(e="."),""===t&&(t=".");var
r=i(t),a=i(e);if(a&&(e=a.path||"/"),r&&!r.scheme)return a&&(r.scheme=a.scheme),s(r);if(r!t.match(n))return
t;if(a&&!a.host&&!a.path)return a.host=t,s(a);var o="/"===t.charAt(0)?t:l(e.replace(/\/\$/,"")+ "/" +t);return
a?(a.path=o,s(a)):o.t.normalize=l,t.join=c,t.isAbsolute=function(e){return""===e.charAt(0)||r.test(e)},t.relative=function(e,t){""===e&&(e="."),e=e.replace(/\/\$/,"");for(var r=0;0!==t.indexOf(e+"/");){var
n=e.lastIndexOf("/");if(n<0)return t;if((e=e.slice(0,n)).match(/^[^\/]+:\|\/?\/?$/))return t;+}return
Array(r+1).join("..")+t.substr(e.length+1)}var p={"__proto__" in Object.create(null)};function u(e){return
e}function d(e){if(!e)return 1;var t=e.length;if(t<9)return 1;if(95!==(e.charCodeAt(t-1))||95!==(e.charCodeAt(t-
2))||111!==(e.charCodeAt(t-3))||116!==(e.charCodeAt(t-4))||111!==(e.charCodeAt(t-5))||114!==(e.charCodeAt(t-
6))||112!==(e.charCodeAt(t-7))||95!==(e.charCodeAt(t-8))||95!==(e.charCodeAt(t-9))return 1;for(var r=t-10;r>=0;r-
)if(36!==(e.charCodeAt(r))return 1;return 0}function h(e,t){return e===t?0:null===e?1:null===t?-1:e>t?1:-
1}t.toSetString=p?u:function(e){return d(e)+"$"+e};t.fromSetString=p?u:function(e){return
d(e)?e.slice(1):e},t.compareByOriginalPositions=function(e,t,r){var n=h(e.source,t.source);return
0!==(n||0!==(n=e.originalLine-t.originalLine))||0!==(n=e.originalColumn-
t.originalColumn)||r||0!==(n=e.generatedColumn-t.generatedColumn)||0!==(n=e.generatedLine-
t.generatedLine)?n:h(e.name,t.name)},t.compareByOriginalPositionsNoSource=function(e,t,r){var n;return
0!==(n=e.originalLine-t.originalLine)||0!==(n=e.originalColumn-t.originalColumn)||r||0!==(n=e.generatedColumn-
t.generatedColumn)||0!==(n=e.generatedLine-
t.generatedLine)?n:h(e.name,t.name)},t.compareByGeneratedPositionsDeflated=function(e,t,r){var
n=e.generatedLine-t.generatedLine;return 0!==(n||0!==(n=e.generatedColumn-
t.generatedColumn)||r||0!==(n=h(e.source,t.source))||0!==(n=e.originalLine-
t.originalLine)||0!==(n=e.originalColumn-
t.originalColumn)?n:h(e.name,t.name)},t.compareByGeneratedPositionsDeflatedNoLine=function(e,t,r){var
n=e.generatedColumn-t.generatedColumn;return 0!==(n||r||0!==(n=h(e.source,t.source))||0!==(n=e.originalLine-
t.originalLine)||0!==(n=e.originalColumn-
t.originalColumn)?n:h(e.name,t.name)},t.compareByGeneratedPositionsInflated=function(e,t,r){var
r=e.generatedLine-t.generatedLine;return 0!==(r||0!==(r=e.generatedColumn-
t.generatedColumn)||0!==(r=h(e.source,t.source))||0!==(r=e.originalLine-t.originalLine)||0!==(r=e.originalColumn-

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t.originalColumn)?r:h(e.name,t.name)},t.parseSourceMapInput=function(e){return
JSON.parse(e.replace(/^\s*\n/g,"")),t.computeSourceURL=function(e,t,r){if(t===e[e.length-1]&&"!"===t[0]&&(e+="/"===t),t=e+t,r){var n=i(r);if(!n)throw new Error("sourceMapURL could not be
parsed");if(n.path){var a=n.path.lastIndexOf("/");a>=0&&(n.path=n.path.substring(0,a+1))}t=c(s(n),t)}return
l(t)},function(e,t){e.exports=function(e){var t=typeof e;return
null!=e&&("object"===t||"function"===t)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t=!0){if("string"!==typeof
e)return!1;if(t){if((0,n.isKeyword)(e)||((0,n.isStrictReservedWord)(e)))return!1;if("await"===e)return!1}return(0,n.isI
dentifierName)(e)};var n=r(19)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t=!0){if("string"!==typeof
e)return!1;if(t&&((0,n.isKeyword)(e)||((0,n.isStrictReservedWord)(e,!0))))return!1;return(0,n.isIdentifierName)(e)};v
ar n=r(19)},function(e,t){t.getArg=function(e,t,r){if(t in e)return e[t];if(3===arguments.length)return r;throw new
Error("\'"+t+"\' is a required argument.\');var r=/^(?:(\\w+|\\-
.]+):)?(?:\\/(?:((\\w+|\\w+)@)?(?:\\w.)*(?:\\(\\d+)?(?:\\S*)$),n=/^data:.+\\.+.+$/;function i(e){var t=e.match(r);return
t?[scheme:t[1],auth:t[2],host:t[3],port:t[4],path:t[5]]:null}function s(e){var t="";return
e.scheme&&(t+=e.scheme+"."),t+="/"===e.auth&&(t+=e.auth+"@"),e.host&&(t+=e.host),e.port&&(t+="."+e.port),e.
path&&(t+=e.path),t}function a(e){var r=e,n=i(e);if(!n){if(!n.path)return e;r=n.path}for(var
a,o,t.isAbsolute(r),l=r.split(/\\+/),c=0,p=l.length-1;p>=0;p--
).l===(a=l[p])?l.splice(p,1):".."===a?c++:c>0&&("!"===a?(l.splice(p+1,c),c=0):(l.splice(p,2),c--
));return""===r?l.join("/")&&(r=o?"":"."),n?(n.path=r,s(n)):r}.urlParse=i,t.urlGenerate=s,t.normalize=a,t.join=fun
ction(e,t){""===e&&(e="."),""===t&&(t=".");var r=i(t),o=i(e);if(o&&(e.o.path||"/"),r&&!r.scheme)return
o&&(r.scheme=o.scheme),s(r);if(r||t.match(n))return t;if(o&&!o.host&&!o.path)return o.host=t,s(o);var
l="/"===t.charAt(0)?t:a(e.replace(/\\+$/, ""))+"/"===t;return
o?(o.path=l,s(o)):1,t.isAbsolute=function(e){return""===e.charAt(0)||!e.match(r)},t.relative=function(e,t){""===e
&&(e="."),e=e.replace(/\\$/, "");for(var r=0;0!==(t.indexOf(e+="/"));){var n=e.lastIndexOf("/");if(n<0)return
t;if((e=e.slice(0,n)).match(/^(^\\|+:\\|\\$)/))return t;++r}return Array(r+1).join("../")+t.substr(e.length+1)};var
o!={"__proto__" in Object.create(null)};function l(e){return e}function c(e){if(!e)return!1;var
t=e.length;if(t<9)return!1;if(95!==(e.charCodeAt(t-1))||95!==(e.charCodeAt(t-2))||111!==(e.charCodeAt(t-
3))||116!==(e.charCodeAt(t-4))||111!==(e.charCodeAt(t-5))||114!==(e.charCodeAt(t-6))||112!==(e.charCodeAt(t-
7))||95!==(e.charCodeAt(t-8))||95!==(e.charCodeAt(t-9)))return!1;for(var r=t-10;r>=0;r-
)if(36!==(e.charCodeAt(r)))return!1;return!0}function p(e,t){return e===t?0:e>t?1:-
1}t.toSetString=o?l:function(e){return c(e)?"$"+e},t.fromSetString=o?l:function(e){return
c(e)?e.slice(1):e},t.compareByOriginalPositions=function(e,t,r){var n=e.source-t.source;return
0!==(n||0!==(n=e.originalLine-t.originalLine))||0!==(n=e.originalColumn-
t.originalColumn)||r||0!==(n=e.generatedColumn-t.generatedColumn)||0!==(n=e.generatedLine-
t.generatedLine)?n:e.name-t.name},t.compareByGeneratedPositionsDeflated=function(e,t,r){var n=e.generatedLine-
t.generatedLine;return 0!==(n||0!==(n=e.generatedColumn-t.generatedColumn)||r||0!==(n=e.source-
t.source))||0!==(n=e.originalLine-t.originalLine)||0!==(n=e.originalColumn-t.originalColumn)?n:e.name-
t.name},t.compareByGeneratedPositionsInflated=function(e,t){var r=e.generatedLine-t.generatedLine;return
0!==(r||0!==(r=e.generatedColumn-t.generatedColumn)||0!==(r=p(e.source,t.source))||0!==(r=e.originalLine-
t.originalLine))||0!==(r=e.originalColumn-t.originalColumn)?r:p(e.name,t.name)}},function(e,t,r){var
n=r(141),i=r(142),s=r(143),a=r(144),o=r(145);function l(e){var t=-
1,r=null===e?0:e.length;for(this.clear();++t<r;){var
n=e[t];this.set(n[0],n[1])}l.prototype.clear=n,l.prototype.delete=i,l.prototype.get=s,l.prototype.has=a,l.prototype.set
=o,e.exports=l},function(e,t,r){var n=r(66);e.exports=function(e,t){for(var r=e.length;r-->0;){if(n(e[r][0],t))return
r;return-1}},function(e,t,r){var n=r(11)(Object,"create");e.exports=n},function(e,t,r){var
n=r(166);e.exports=function(e,t){var r=e.__data__;return n(t)?r["string"===typeof
t?"string":"hash"]:r.map}},function(e,t,r){var n=r(70),i=r(71);e.exports=function(e,t,r,s){var a=!r;r({});for(var

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o=-1,l=t.length; ++o<l;){ var c=t[o],p=s?s(r[c],e[c],c,r,e):void 0;void 0===p&&(p=e[c]),a?i(r,c,p):n(r,c,p)}return
r } },function(e,t){ e.exports=function(e){ return
e.webpackPolyfill||(e.deprecate=function(){ },e.paths=[],e.children||(e.children=[]),Object.defineProperty(e,"loaded",
{ enumerable:!0,get:function(){ return e.l } }),Object.defineProperty(e,"id",{ enumerable:!0,get:function(){ return
e.i } }),e.webpackPolyfill=1,e } },function(e,t){ e.exports=function(e){ return function(t){ return
e(t) } },function(e,t,r){ (function(e){ var n=r(68),i=t&&!t.nodeType&&t.s=i&&"object"===typeof
e&&&&!e.nodeType&&e.a=s&&s.exports===i&&n.process,o=function(){ try{ var
e=s&&s.require&&s.require("util").types;return
e||a&&a.binding&&a.binding("util") } catch(e){ } };e.exports=o}).call(this,r(31)(e)),function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t,r){ if(!t)return !1;if(!(0,i.default)(t.typ
e,e))return !r&&"Placeholder"===t.type&&e in
a.FLIPPED_ALIAS_KEYS&&(0,s.default)(t.expectedNode,e);return void 0===r||(0,n.default)(t,r);var
n=o(r(39)),i=o(r(51)),s=o(r(82)),a=r(5);function o(e){ return e&&e.__esModule?e:{ default:e } },function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=i;var n=r(2);function i(e,t,r){ let
s=[].concat(e);const a=Object.create(null);for(;s.length;){ const e=s.shift();if(!e)continue;const
o=i.keys[e.type];if((0,n.isIdentifier)(e))if(t){ (a[e.name]=a[e.name]||[]).push(e)}else a[e.name]=e;else
if((0,n.isExportDeclaration)(e))(0,n.isDeclaration)(e.declaration)&&s.push(e.declaration);else {if(r){if((0,n.isFunction
Declaration)(e)){ s.push(e.id);continue}if((0,n.isFunctionExpression)(e))continue}if(o)for(let
t=0;t<o.length;t++){ const r=o[t];e[r]&&(s=s.concat(e[r])) } } }return
a } i.keys={ DeclareClass:["id"],DeclareFunction:["id"],DeclareModule:["id"],DeclareVariable:["id"],DeclareInterfac
e:["id"],DeclareTypeAlias:["id"],DeclareOpaqueType:["id"],InterfaceDeclaration:["id"],TypeAlias:["id"],OpaqueTy
pe:["id"],CatchClause:["param"],LabeledStatement:["label"],UnaryExpression:["argument"],AssignmentExpression:
["left"],ImportSpecifier:["local"],ImportNamespaceSpecifier:["local"],ImportDefaultSpecifier:["local"],ImportDecla
ration:["specifiers"],ExportSpecifier:["exported"],ExportNamespaceSpecifier:["exported"],ExportDefaultSpecifier:[
"exported"],FunctionDeclaration:["id","params"],FunctionExpression:["id","params"],ArrowFunctionExpression:["p
arams"],ObjectMethod:["params"],ClassMethod:["params"],ForInStatement:["left"],ForOfStatement:["left"],ClassD
eclaration:["id"],ClassExpression:["id"],RestElement:["argument"],UpdateExpression:["argument"],ObjectProperty:
["value"],AssignmentPattern:["left"],ArrayPattern:["elements"],ObjectPattern:["properties"],VariableDeclaration:["d
eclarations"],VariableDeclarator:["id"] } },function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t,r){ if(!t)return !1;if(!(0,i.default)(t.typ
e,e))return !r&&"Placeholder"===t.type&&e in
a.FLIPPED_ALIAS_KEYS&&(0,s.default)(t.expectedNode,e);return void 0===r||(0,n.default)(t,r);var
n=r(54),i=r(56),s=r(104),a=r(6),function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=i;var n=r(1);function i(e,t,r){ let
s=[].concat(e);const a=Object.create(null);for(;s.length;){ const e=s.shift();if(!e)continue;const
o=i.keys[e.type];if((0,n.isIdentifier)(e))if(t){ (a[e.name]=a[e.name]||[]).push(e)}else a[e.name]=e;else
if(!(0,n.isExportDeclaration)(e))(0,n.isExportAllDeclaration)(e){ if(r){if((0,n.isFunctionDeclaration)(e)){ s.push(e.id
);continue}if((0,n.isFunctionExpression)(e))continue}if(o)for(let t=0;t<o.length;t++){ const
r=o[t];e[r]&&(s=s.concat(e[r])) } } else(0,n.isDeclaration)(e.declaration)&&s.push(e.declaration)}return
a } i.keys={ DeclareClass:["id"],DeclareFunction:["id"],DeclareModule:["id"],DeclareVariable:["id"],DeclareInterfac
e:["id"],DeclareTypeAlias:["id"],DeclareOpaqueType:["id"],InterfaceDeclaration:["id"],TypeAlias:["id"],OpaqueTy
pe:["id"],CatchClause:["param"],LabeledStatement:["label"],UnaryExpression:["argument"],AssignmentExpression:
["left"],ImportSpecifier:["local"],ImportNamespaceSpecifier:["local"],ImportDefaultSpecifier:["local"],ImportDecla
ration:["specifiers"],ExportSpecifier:["exported"],ExportNamespaceSpecifier:["exported"],ExportDefaultSpecifier:[
"exported"],FunctionDeclaration:["id","params"],FunctionExpression:["id","params"],ArrowFunctionExpression:["p
arams"],ObjectMethod:["params"],ClassMethod:["params"],ForInStatement:["left"],ForOfStatement:["left"],ClassD
eclaration:["id"],ClassExpression:["id"],RestElement:["argument"],UpdateExpression:["argument"],ObjectProperty:
["value"],AssignmentPattern:["left"],ArrayPattern:["elements"],ObjectPattern:["properties"],VariableDeclaration:["d

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eclarations"],VariableDeclarator:["id"]}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.clear=function(){s(),a()},t.clearPath=s,t.clearScope=a,t.s
cope=t.path=void 0;let n=new WeakMap;t.path=n;let i=new WeakMap;function s(){t.path=n=new
WeakMap}function a(){t.scope=i=new WeakMap}t.scope=i},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const r=Object.keys(t);for(const n
of r)if(e[n]!==t[n])return!1;return!0}},function(e,t,r){var n=r(11)(r(7),"Map");e.exports=n},function(e,t,r){var
n=r(7).Symbol;e.exports=n},function(e,t,r){var n=r(72),i=r(180),s=r(76);e.exports=function(e){return
s(e)?n(e):i(e)},function(e,t){var r=Array.isArray;e.exports=r},function(e,t){var
r=Object.prototype;e.exports=function(e){var t=e&&e.constructor;return e===("function"===typeof
t&&t.prototype|r)},function(e,t,r){var n=r(72),i=r(183),s=r(76);e.exports=function(e){return
s(e)?n(e,!0):i(e)},function(e,t,r){var
n=r(188),i=r(77),s=Object.prototype.propertyIsEnumerable,a=Object.getOwnPropertySymbols,o=a?function(e){retu
rn null===e?[]:(e=Object(e),n(a(e),(function(t){return s.call(e,t)})))};i:e.exports=o},function(e,t,r){var
n=r(75)(Object.getPrototypeOf,Object);e.exports=n},function(e,t,r){var
n=r(192),i=r(40),s=r(193),a=r(194),o=r(195),l=r(18),c=r(69),p=c(n),u=c(i),d=c(s),h=c(a),f=c(o),m=l;(n&&"[object
DataView]"!==m(new n(new ArrayBuffer(1)))||i&&"[object Map]"!==m(new i)||s&&"[object
Promise]"!==m(s.resolve())||a&&"[object Set]"!==m(new a)||o&&"[object WeakMap]"!==m(new
o))&&(m=function(e){var t=l(e),r="[object Object]"===t?e.constructor:void 0,n=r?c(r):"";if(n)switch(n){case
p:return"[object DataView]";case u:return"[object Map]";case d:return"[object Promise]";case h:return"[object
Set]";case f:return"[object WeakMap]"}return t}),e.exports=m},function(e,t,r){var
n=r(198);e.exports=function(e){var t=new e.constructor(e.byteLength);return new n(t).set(new
n(e),t)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.classMethodOrDeclareMethodCommon=t.classMethodO
rPropertyCommon=t.patternLikeCommon=t.functionDeclarationCommon=t.functionTypeAnnotationCommon=t.fun
ctionCommon=void 0;var n=c(r(34)),i=c(r(23)),s=r(19),a=r(13),o=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=l();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(9));function l(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
l=function(){return e},e}function c(e){return
e&&e.__esModule?e:{default:e}}(0,o.default)("ArrayExpression",{fields:{elements:{validate:(0,o.chain)((0,o.asser
tValueType)("array"),(0,o.assertEach)((0,o.assertNodeOrValueType)("null","Expression","SpreadElement"))),defau
lt:process.env.BABEL_TYPES_8_BREAKING?void
0:[]}},visitor:["elements"],aliases:["Expression"]}),0,o.default)("AssignmentExpression",{fields:{operator:{validat
e:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(0,o.assertValueType)("string");const
e=(0,o.assertOneOf)(...a.ASSIGNMENT_OPERATORS),t=(0,o.assertOneOf)("=");return
function(r,i,s){((0,n.default)("Pattern",r.left)?t:e)(r,i,s)}},left:{validate:process.env.BABEL_TYPES_8_BREAKI
NG?(0,o.assertNodeType)("Identifier","MemberExpression","ArrayPattern","ObjectPattern):(0,o.assertNodeType)("
LVal")},right:{validate:(0,o.assertNodeType)("Expression")}},builder:["operator","left","right"],visitor:["left","rig
ht"],aliases:["Expression"]}),0,o.default)("BinaryExpression",{builder:["operator","left","right"],fields:{operator:{v
alidate:(0,o.assertOneOf)(...a.BINARY_OPERATORS)},left:{validate:function(){const
e=(0,o.assertNodeType)("Expression"),t=(0,o.assertNodeType)("Expression","PrivateName"),r=function(r,n,i){("in"
===r.operator?t:e)(r,n,i)};return
r.oneOfNodeTypes=["Expression","PrivateName"],r},right:{validate:(0,o.assertNodeType)("Expression")}},visit
or:["left","right"],aliases:["Binary","Expression"]}),0,o.default)("InterpreterDirective",{builder:["value"],fields:{va
lue:{validate:(0,o.assertValueType)("string")}}}),0,o.default)("Directive",{visitor:["value"],fields:{value:{validate:
(0,o.assertNodeType)("DirectiveLiteral")}}}),0,o.default)("DirectiveLiteral",{builder:["value"],fields:{value:{valid

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ate:(0,o.assertValueType)("string"))})),(0,o.default)("BlockStatement",{builder:["body","directives"],visitor:["directives","body"],fields:{directives:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Directive"))),default:[],body:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Statement"))}},aliases:["Scopable","BlockParent","Block","Statement"]}),
(0,o.default)("BreakStatement",{visitor:["label"],fields:{label:{validate:(0,o.assertNodeType)("Identifier"),optional:!0}},aliases:["Statement","Terminatorless","CompletionStatement"]}),
(0,o.default)("CallExpression",{visitor:["callee","arguments","typeParameters","typeArguments"],builder:["callee","arguments"],aliases:["Expression"],fields:Object.assign({callee:{validate:(0,o.assertNodeType)("Expression","V8IntrinsicIdentifier")},arguments:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Expression","SpreadElement","JSXNamespacedName","ArgumentPlaceholder"))}},process.env.BABEL_TYPES_8_BREAKING?{optional:{validate:(0,o.assertOneOf)(!0,!1),optional:!0}},{typeArguments:{validate:(0,o.assertNodeType)("TypeParameterInstantiation"),optional:!0},typeParameters:{validate:(0,o.assertNodeType)("TSTypeParameterInstantiation"),optional:!0}}}),
(0,o.default)("CatchClause",{visitor:["param","body"],fields:{param:{validate:(0,o.assertNodeType)("Identifier","ArrayPattern","ObjectPattern"),optional:!0},body:{validate:(0,o.assertNodeType)("BlockStatement")}},aliases:["Scopable","BlockParent"]}),
(0,o.default)("ConditionalExpression",{visitor:["test","consequent","alternate"],fields:{test:{validate:(0,o.assertNodeType)("Expression")},consequent:{validate:(0,o.assertNodeType)("Expression")},alternate:{validate:(0,o.assertNodeType)("Expression")}},aliases:["Expression","Conditional"]}),
(0,o.default)("ContinueStatement",{visitor:["label"],fields:{label:{validate:(0,o.assertNodeType)("Identifier"),optional:!0}},aliases:["Statement","Terminatorless","CompletionStatement"]}),
(0,o.default)("DebuggerStatement",{aliases:["Statement"]}),
(0,o.default)("DoWhileStatement",{visitor:["test","body"],fields:{test:{validate:(0,o.assertNodeType)("Expression")},body:{validate:(0,o.assertNodeType)("Statement")}},aliases:["Statement","BlockParent","Loop","While","Scopable"]}),
(0,o.default)("EmptyStatement",{aliases:["Statement"]}),
(0,o.default)("ExpressionStatement",{visitor:["expression"],fields:{expression:{validate:(0,o.assertNodeType)("Expression")}},aliases:["Statement","ExpressionWrapper"]}),
(0,o.default)("File",{builder:["program","comments","tokens"],visitor:["program"],fields:{program:{validate:(0,o.assertNodeType)("Program")},comments:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertEach)((0,o.assertNodeType)("CommentBlock","CommentLine")):Object.assign(=>{},{each:{oneOfNodeTypes:["CommentBlock","CommentLine"]}}),optional:!0},tokens:{validate:(0,o.assertEach)(Object.assign(=>{},{type:"any"})),optional:!0}}}),
(0,o.default)("ForInStatement",{visitor:["left","right","body"],aliases:["Scopable","Statement","For","BlockParent","Loop","ForXStatement"],fields:{left:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)("VariableDeclaration","Identifier","MemberExpression","ArrayPattern","ObjectPattern"):(0,o.assertNodeType)("VariableDeclaration","LVal")},right:{validate:(0,o.assertNodeType)("Expression")},body:{validate:(0,o.assertNodeType)("Statement")}}}),
(0,o.default)("ForStatement",{visitor:["init","test","update","body"],aliases:["Scopable","Statement","For","BlockParent","Loop"],fields:{init:{validate:(0,o.assertNodeType)("VariableDeclaration","Expression"),optional:!0},test:{validate:(0,o.assertNodeType)("Expression"),optional:!0},update:{validate:(0,o.assertNodeType)("Expression"),optional:!0},body:{validate:(0,o.assertNodeType)("Statement")}}});const
p={params:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Identifier","Pattern","RestElement","TSPParameterProperty"))},generator:{default:!1},async:{default:!1}};t.functionCommon=
p;const
u={returnType:{validate:(0,o.assertNodeType)("TypeAnnotation","TSTypeAnnotation","Noop"),optional:!0},typeParameters:{validate:(0,o.assertNodeType)("TypeParameterDeclaration","TSTypeParameterDeclaration","Noop"),optional:!0}};t.functionTypeAnnotationCommon=u;const
d=Object.assign({},p,{declare:{validate:(0,o.assertValueType)("boolean"),optional:!0},id:{validate:(0,o.assertNodeType)("Identifier"),optional:!0}});t.functionDeclarationCommon=d,(0,o.default)("FunctionDeclaration",{builder:["id","params","body","generator","async"],visitor:["id","params","body","returnType","typeParameters"],fields:Object.assign({},d,u,{body:{validate:(0,o.assertNodeType)("BlockStatement")}},aliases:["Scopable","Function","BlockParent","FunctionParent","Statement","Pureish","Declaration"],validate:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(=>{});const e=(0,o.assertNodeType)("Identifier");return
function(t,r,i){(0,n.default)("ExportDefaultDeclaration",t)|e(i,"id",i.id)}(0)},(0,o.default)("FunctionExpression",{in

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herits:"FunctionDeclaration",aliases:["Scopable","Function","BlockParent","FunctionParent","Expression","Pureish
"],fields:Object.assign({p,u,{id:{validate:(0,o.assertNodeType)("Identifier"),optional:!0},body:{validate:(0,o.asser
tNodeType)("BlockStatement")}}));const
h={typeAnnotation:{validate:(0,o.assertNodeType)("TypeAnnotation","TSTypeAnnotation","Noop"),optional:!0},d
ecorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))
}};t.patternLikeCommon=h,(0,o.default)("Identifier",{builder:["name"],visitor:["typeAnnotation","decorators"],alia
ses:["Expression","PatternLike","LVal","TSEntityName"],fields:Object.assign({h,{name:{validate:(0,o.chain)((0,
o.assertValueType)("string"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&!(!0,i
.default)(r,!1))throw new TypeError(`"${r}" is not a valid identifier
name`)}),{type:"string"})),optional:{validate:(0,o.assertValueType)("boolean"),optional:!0}},validate(e,t,r){if(!pr
ocess.env.BABEL_TYPES_8_BREAKING)return;const
i=/^\.(\\w+)\$/exec(t);if(!i)return;const[a]=i,o={computed:!1};if("property"===a){if((0,n.default)("MemberExpressi
on",e,o))return;if((0,n.default)("OptionalMemberExpression",e,o))return}else
if("key"===a){if((0,n.default)("Property",e,o))return;if((0,n.default)("Method",e,o))return}else
if("exported"===a){if((0,n.default)("ExportSpecifier",e))return}else
if("imported"===a){if((0,n.default)("ImportSpecifier",e,{imported:r}))return}else
if("meta"===a&&(0,n.default)("MetaProperty",e,{meta:r}))return;if(((0,s.isKeyword)(r.name)||((0,s.isReservedWord
)(r.name))&&"this"!==r.name)throw new TypeError(`"${r.name}" is not a valid
identifier`))),(0,o.default)("IfStatement",{visitor:["test","consequent","alternate"],aliases:["Statement","Conditiona
l"],fields:{test:{validate:(0,o.assertNodeType)("Expression")},consequent:{validate:(0,o.assertNodeType)("Stateme
nt")},alternate:{optional:!0,validate:(0,o.assertNodeType)("Statement")}}),(0,o.default)("LabeledStatement",{visit
or:["label","body"],aliases:["Statement"],fields:{label:{validate:(0,o.assertNodeType)("Identifier")},body:{validate:(
0,o.assertNodeType)("Statement")}}),(0,o.default)("StringLiteral",{builder:["value"],fields:{value:{validate:(0,o.as
sertValueType)("string")}},aliases:["Expression","Pureish","Literal","Immutable"]}),((0,o.default)("NumericLiteral
",{builder:["value"],deprecatedAlias:"NumberLiteral",fields:{value:{validate:(0,o.assertValueType)("number")}},ali
ases:["Expression","Pureish","Literal","Immutable"]}),((0,o.default)("NullLiteral",{aliases:["Expression","Pureish","
Literal","Immutable"]}),((0,o.default)("BooleanLiteral",{builder:["value"],fields:{value:{validate:(0,o.assertValueTy
pe)("boolean")}},aliases:["Expression","Pureish","Literal","Immutable"]}),((0,o.default)("RegExpLiteral",{builder:[
"pattern","flags"],deprecatedAlias:"RegexLiteral",aliases:["Expression","Pureish","Literal"],fields:{pattern:{validate
:(0,o.assertValueType)("string")},flags:{validate:(0,o.chain)((0,o.assertValueType)("string"),Object.assign((function
(e,t,r){if(!process.env.BABEL_TYPES_8_BREAKING)return;const n=/^[^gimsuy]/.exec(r);if(n)throw new
TypeError(`"${n[0]}" is not a valid RegExp
flag`)}),{type:"string"})),default:""})),(0,o.default)("LogicalExpression",{builder:["operator","left","right"],visitor
:["left","right"],aliases:["Binary","Expression"],fields:{operator:{validate:(0,o.assertOneOf)...a.LOGICAL_OPER
ATORS}},left:{validate:(0,o.assertNodeType)("Expression")},right:{validate:(0,o.assertNodeType)("Expression")
}}),(0,o.default)("MemberExpression",{builder:["object","property","computed","optional"],visitor:["object","prope
rty"],aliases:["Expression","LVal"],fields:Object.assign({object:{validate:(0,o.assertNodeType)("Expression")},pro
perty:{validate:function(){const
e=(0,o.assertNodeType)("Identifier","PrivateName"),t=(0,o.assertNodeType)("Expression"),r=function(r,n,i){(r.com
puted?t:e)(r,n,i)};return
r.oneOfNodeTypes=["Expression","Identifier","PrivateName"],r}),computed:{default:!1}},process.env.BABEL_
TYPES_8_BREAKING?{}:{optional:{validate:(0,o.assertOneOf)(!0,!1),optional:!0}})),(0,o.default)("NewExpres
sion",{inherits:"CallExpression"}),(0,o.default)("Program",{visitor:["directives","body"],builder:["body","directives
","sourceType","interpreter"],fields:{sourceFile:{validate:(0,o.assertValueType)("string")},sourceType:{validate:(0,
o.assertOneOf)("script","module"),default:"script"},interpreter:{validate:(0,o.assertNodeType)("InterpreterDirective
"),default:null,optional:!0},directives:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.asse
rtNodeType)("Directive"))},default:[],body:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((
0,o.assertNodeType)("Statement"))}},aliases:["Scopable","BlockParent","Block"]}),((0,o.default)("ObjectExpressio

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n", { visitor: ["properties"], aliases: ["Expression"], fields: { properties: { validate: (0, o.chain)((0, o.assertValueType)("array")), (0, o.assertEach)((0, o.assertNodeType)("ObjectMethod", "ObjectProperty", "SpreadElement")) } } }, (0, o.default)("ObjectMethod", { builder: ["kind", "key", "params", "body", "computed", "generator", "async"], fields: Object.assign({}, p, u, { kind: Object.assign({ validate: (0, o.assertOneOf)("method", "get", "set") }, process.env.BABEL_TYPES_8_BREAKING ? { : { default: "method" } }, computed: { default: !1 }, key: { validate: function() { const e = (0, o.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral"), t = (0, o.assertNodeType)("Expression"), r = function(r, n, i) { (r.computed ? t : e)(r, n, i); } return r.oneOfNodeTypes = ["Expression", "Identifier", "StringLiteral", "NumericLiteral"], r }()), decorators: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("Decorator"))), optional: !0 }, body: { validate: (0, o.assertNodeType)("BlockStatement") } } }, visitor: ["key", "params", "body", "decorators", "returnType", "typeParameters"], aliases: ["UserWhitespacable", "Function", "Scopable", "BlockParent", "FunctionParent", "Method", "ObjectMember"] } }, (0, o.default)("ObjectProperty", { builder: ["key", "value", "computed", "shorthand", ...process.env.BABEL_TYPES_8_BREAKING ? []: ["decorators"] ], fields: { computed: { default: !1 }, key: { validate: function() { const e = (0, o.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral"), t = (0, o.assertNodeType)("Expression"), r = function(r, n, i) { (r.computed ? t : e)(r, n, i); } return r.oneOfNodeTypes = ["Expression", "Identifier", "StringLiteral", "NumericLiteral"], r }()), value: { validate: (0, o.assertNodeType)("Expression", "PatternLike") }, shorthand: { validate: (0, o.chain)((0, o.assertValueType)("boolean"), Object.assign((function(e, t, r) { if (process.env.BABEL_TYPES_8_BREAKING && r && e.computed) throw new TypeError("Property shorthand of ObjectProperty cannot be true if computed is true")) }, { type: "boolean" } ), (function(e, t, r) { if (process.env.BABEL_TYPES_8_BREAKING && r && !(0, n.default)("Identifier", e.key)) throw new TypeError("Property shorthand of ObjectProperty cannot be true if key is not an Identifier") } })), default: !1 }, decorators: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("Decorator"))), optional: !0 }, visitor: ["key", "value", "decorators"], aliases: ["UserWhitespacable", "Property", "ObjectMember"], validate: function() { const e = (0, o.assertNodeType)("Identifier", "Pattern"), t = (0, o.assertNodeType)("Expression"); return function(r, i, s) { if (!process.env.BABEL_TYPES_8_BREAKING) return ((0, n.default)("ObjectPattern", r) ? e : t)(s, "value", s.value) } }()), (0, o.default)("RestElement", { visitor: ["argument", "typeAnnotation"], builder: ["argument"], aliases: ["LVal", "PatternLike"], deprecatedAlias: "RestProperty", fields: Object.assign({}, h, { argument: { validate: process.env.BABEL_TYPES_8_BREAKING ? (0, o.assertNodeType)("Identifier", "Pattern", "MemberExpression") : (0, o.assertNodeType)("LVal") } } }, validate(e, t) { if (!process.env.BABEL_TYPES_8_BREAKING) return; const r = (/(\w+)\s+([\d+])\s+/.exec(t); if (!r) throw new Error("Internal Babel error: malformed key."); const [n, i] = r; if (e[n].length > i + 1) throw new TypeError("RestElement must be last element of " + n) } } ), (0, o.default)("ReturnStatement", { visitor: ["argument"], aliases: ["Statement", "Terminatorless", "CompletionStatement"], fields: { argument: { validate: (0, o.assertNodeType)("Expression"), optional: !0 } } }, (0, o.default)("SequenceExpression", { visitor: ["expressions"], fields: { expressions: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("Expression")) } } }, aliases: ["Expression"] } ), (0, o.default)("ParenthesizedExpression", { visitor: ["expression"], aliases: ["Expression", "ExpressionWrapper"], fields: { expression: { validate: (0, o.assertNodeType)("Expression") } } } ), (0, o.default)("SwitchCase", { visitor: ["test", "consequent"], fields: { test: { validate: (0, o.assertNodeType)("Expression"), optional: !0 }, consequent: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("Statement")) } } } }, (0, o.default)("SwitchStatement", { visitor: ["discriminant", "cases"], aliases: ["Statement", "BlockParent", "Scopable"], fields: { discriminant: { validate: (0, o.assertNodeType)("Expression") }, cases: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("SwitchCase")) } } } }, (0, o.default)("ThisExpression", { aliases: ["Expression"] } ), (0, o.default)("ThrowStatement", { visitor: ["argument"], aliases: ["Statement", "Terminatorless", "CompletionStatement"], fields: { argument: { validate: (0, o.assertNodeType)("Expression") } } } ), (0, o.default)("TryStatement", { visitor: ["block", "handler", "finalizer"], aliases: ["Statement"], fields: { block: { validate: (0, o.chain)((0, o.assertNodeType)("BlockStatement"), Object.assign((function(e) { if (process.env.BABEL_TYPES_8_BREAKING && !e.handler && !e.finalizer) throw new TypeError("TryStatement expects either a handler or finalizer, or

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both")), {oneOfNodeTypes:["BlockStatement"]}))}, handler: { optional:!0, validate:(0,o.assertNodeType)("CatchClause")}, finalizer: { optional:!0, validate:(0,o.assertNodeType)("BlockStatement") } } }, (0,o.default)("UnaryExpression", {
builder:["operator", "argument", "prefix"], fields: { prefix: { default:!0, argument: { validate:(0,o.assertNodeType)("Expression") }, operator: { validate:(0,o.assertOneOf)(...a.UNARY_OPERATORS) }, visitor:["argument"], aliases:["UnaryLike", "Expression"] } }, (0,o.default)("UpdateExpression", { builder:["operator", "argument", "prefix"], fields: { prefix: { default:!1, argument: { validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)("Identifier", "MemberExpression"): (0,o.assertNodeType)("Expression") }, operator: { validate:(0,o.assertOneOf)(...a.UPDATE_OPERATORS) }, visitor:["argument"], aliases:["Expression"] } }, (0,o.default)("VariableDeclaration", { builder:["kind", "declarations"], visitor:["declarations"], aliases:["Statement", "Declaration"], fields: { declare: { validate:(0,o.assertValueType)("boolean"), optional:!0 }, kind: { validate:(0,o.assertOneOf)("var", "let", "const") }, declarations: { validate:(0,o.chain)((0,o.assertValueType)("array"), (0,o.assertEach)((0,o.assertNodeType)("VariableDeclarator")) } }, validate(e,t,r){ if(process.env.BABEL_TYPES_8_BREAKING&&(0,n.default)("ForXStatement", e, { left:r })&&!r.declarations.length) throw new TypeError("Exactly one VariableDeclarator is required in the VariableDeclaration of a "+e.type) } }, (0,o.default)("VariableDeclarator", { visitor:["id", "init"], fields: { id: { validate:function(){ if(!process.env.BABEL_TYPES_8_BREAKING) return(0,o.assertNodeType)("LVal"); } }, const e=(0,o.assertNodeType)("Identifier", "ArrayPattern", "ObjectPattern"), t=(0,o.assertNodeType)("Identifier"); return function(r,n,i){ (r.init?t(r,n,i)) } }, definite: { optional:!0, validate:(0,o.assertValueType)("boolean") }, init: { optional:!0, validate:(0,o.assertNodeType)("Expression") } } }, (0,o.default)("WhileStatement", { visitor:["test", "body"], aliases:["Statement", "BlockParent", "Loop", "While", "Scopable"], fields: { test: { validate:(0,o.assertNodeType)("Expression") }, body: { validate:(0,o.assertNodeType)("Statement") } } }, (0,o.default)("WithStatement", { visitor:["object", "body"], aliases:["Statement"], fields: { object: { validate:(0,o.assertNodeType)("Expression") }, body: { validate:(0,o.assertNodeType)("Statement") } } }, (0,o.default)("AssignmentPattern", { visitor:["left", "right", "decorators"], builder:["left", "right"], aliases:["Pattern", "PatternLike", "LVal"], fields: Object.assign({ }, h, { left: { validate:(0,o.assertNodeType)("Identifier", "ObjectPattern", "ArrayPattern", "MemberExpression") }, right: { validate:(0,o.assertNodeType)("Expression") }, decorators: { validate:(0,o.chain)((0,o.assertValueType)("array"), (0,o.assertEach)((0,o.assertNodeType)("Decorator")) }, optional:!0 } } }, (0,o.default)("ArrayPattern", { visitor:["elements", "typeAnnotation"], builder:["elements"], aliases:["Pattern", "PatternLike", "LVal"], fields: Object.assign({ }, h, { elements: { validate:(0,o.chain)((0,o.assertValueType)("array"), (0,o.assertEach)((0,o.assertNodeOrValueType)("null", "PatternLike")) }, decorators: { validate:(0,o.chain)((0,o.assertValueType)("array"), (0,o.assertEach)((0,o.assertNodeType)("Decorator")) }, optional:!0 } } }, (0,o.default)("ArrowFunctionExpression", { builder:["params", "body", "async"], visitor:["params", "body", "returnType", "typeParameters"], aliases:["Scopable", "Function", "BlockParent", "FunctionParent", "Expression", "Pureish"], fields: Object.assign({ }, p,u, { expression: { validate:(0,o.assertValueType)("boolean") }, body: { validate:(0,o.assertNodeType)("BlockStatement", "Expression") } } }, (0,o.default)("ClassBody", { visitor:["body"], fields: { body: { validate:(0,o.chain)((0,o.assertValueType)("array"), (0,o.assertEach)((0,o.assertNodeType)("ClassMethod", "ClassPrivateMethod", "ClassProperty", "ClassPrivateProperty", "TSDeclareMethod", "TSIndexSignature")) } } }, (0,o.default)("ClassExpression", { builder:["id", "superClass", "body", "decorators"], visitor:["id", "body", "superClass", "mixins", "typeParameters", "superTypeParameters", "implements", "decorators"], aliases:["Scopable", "Class", "Expression"], fields: { id: { validate:(0,o.assertNodeType)("Identifier"), optional:!0 }, typeParameters: { validate:(0,o.assertNodeType)("TypeParameterDeclaration", "TSTypeParameterDeclaration", "Noop"), optional:!0 }, body: { validate:(0,o.assertNodeType)("ClassBody") }, superClass: { optional:!0, validate:(0,o.assertNodeType)("Expression") }, superTypeParameters: { validate:(0,o.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"), optional:!0 }, implements: { validate:(0,o.chain)((0,o.assertValueType)("array"), (0,o.assertEach)((0,o.assertNodeType)("TSExpressionWithTypeArguments", "ClassImplements")) }, optional:!0 }, decorators: { validate:(0,o.chain)((0,o.assertValueType)("array"), (0,o.assertEach)((0,o.assertNodeType)("Decorator")) }, optional:!0 }, mixins: { validate:(0,o.assertNodeType)("InterfaceExtends"), optional:!0 } } }, (0,o.default)("ClassDeclaration", { inherits:"ClassExpression", aliases:["Scopable", "Class", "Statement", "Declaration"], fields: { id: { validate:(0,o.assertNodeType)("Identifier") }, typeParameters: { validate:(0,o.assertNodeType)("TypeParameterDeclaration", "TSTypeParameterDeclaration", "Noop"), optional:!0 }, body: { validate:(0,o.assertNodeType)("ClassBody") }, superClass: { optional:!0, validate:(0,o.assertNodeType)("Expression") }, superTypeParameters: { validate:(0,o.assertNodeType)("TypeP

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arameterInstantiation", "TSTypeParameterInstantiation"), optional: !0, implements: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("TSExpressionWithTypeArguments"), "ClassImplements"))), optional: !0, decorators: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("Decorator"))), optional: !0, mixins: { validate: (0, o.assertNodeType)("InterfaceExtends"), optional: !0, declare: { validate: (0, o.assertValueType)("boolean"), optional: !0, abstract: { validate: (0, o.assertValueType)("boolean"), optional: !0, validate: function () { const e = (0, o.assertNodeType)("Identifier"); return function (t, r, i) { process.env.BABEL_TYPES_8_BREAKING && ((0, n.default)("ExportDefaultDeclaration", t) || e(i, "id", i.id)) } } }, (0, o.default)("ExportAllDeclaration", { visitor: ["source"], aliases: ["Statement", "Declaration", "ModuleDeclaration", "ExportDeclaration"], fields: { source: { validate: (0, o.assertNodeType)("StringLiteral") }, assertions: { optional: !0, validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertNodeType)("ImportAttribute")) } } }, (0, o.default)("ExportDefaultDeclaration", { visitor: ["declaration"], aliases: ["Statement", "Declaration", "ModuleDeclaration", "ExportDeclaration"], fields: { declaration: { validate: (0, o.assertNodeType)("FunctionDeclaration", "TSDeclareFunction", "ClassDeclaration", "Expression") } } }, (0, o.default)("ExportNamedDeclaration", { visitor: ["declaration", "specifiers", "source"], aliases: ["Statement", "Declaration", "ModuleDeclaration", "ExportDeclaration"], fields: { declaration: { optional: !0, validate: (0, o.chain)((0, o.assertNodeType)("Declaration"), Object.assign((function (e, t, r) { if (process.env.BABEL_TYPES_8_BREAKING && r && e.specifiers.length) throw new TypeError("Only declaration or specifiers is allowed on ExportNamedDeclaration")); }, { oneOfNodeTypes: ["Declaration"] })), (function (e, t, r) { if (process.env.BABEL_TYPES_8_BREAKING && r && e.source) throw new TypeError("Cannot export a declaration from a source"); }))), assertions: { optional: !0, validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertNodeType)("ImportAttribute")) }, specifiers: { default: [], validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)(function () { const e = (0, o.assertNodeType)("ExportSpecifier", "ExportDefaultSpecifier", "ExportNamespaceSpecifier"), t = (0, o.assertNodeType)("ExportSpecifier"); return process.env.BABEL_TYPES_8_BREAKING ? function (r, n, i) { (r.source ? e : t)(r, n, i) : e } })), source: { validate: (0, o.assertNodeType)("StringLiteral"), optional: !0, exportKind: (0, o.validateOptional)((0, o.assertOneOf)("type", "value")) }, (0, o.default)("ExportSpecifier", { visitor: ["local", "exported"], aliases: ["ModuleSpecifier"], fields: { local: { validate: (0, o.assertNodeType)("Identifier") }, exported: { validate: (0, o.assertNodeType)("Identifier", "StringLiteral") } } }, (0, o.default)("ForOfStatement", { visitor: ["left", "right", "body"], builder: ["left", "right", "body", "await"], aliases: ["Scopable", "Statement", "For", "BlockParent", "Loop", "ForXStatement"], fields: { left: { validate: function () { if (!process.env.BABEL_TYPES_8_BREAKING) return (0, o.assertNodeType)("VariableDeclaration", "LVal"); const e = (0, o.assertNodeType)("VariableDeclaration"), t = (0, o.assertNodeType)("Identifier", "MemberExpression", "ArrayPattern", "ObjectPattern"); return function (r, i, s) { (0, n.default)("VariableDeclaration", s) ? e(r, i, s) : t(r, i, s) } } }, right: { validate: (0, o.assertNodeType)("Expression") }, body: { validate: (0, o.assertNodeType)("Statement") }, await: { default: !1 } } }, (0, o.default)("ImportDeclaration", { visitor: ["specifiers", "source"], aliases: ["Statement", "Declaration", "ModuleDeclaration"], fields: { assertions: { optional: !0, validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertNodeType)("ImportAttribute")) }, specifiers: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("ImportSpecifier", "ImportDefaultSpecifier", "ImportNamespaceSpecifier")) }, source: { validate: (0, o.assertNodeType)("StringLiteral") }, importKind: { validate: (0, o.assertOneOf)("type", "typeof", "value"), optional: !0 } } }, (0, o.default)("ImportDefaultSpecifier", { visitor: ["local"], aliases: ["ModuleSpecifier"], fields: { local: { validate: (0, o.assertNodeType)("Identifier") } } }, (0, o.default)("ImportNamespaceSpecifier", { visitor: ["local"], aliases: ["ModuleSpecifier"], fields: { local: { validate: (0, o.assertNodeType)("Identifier") } } }, (0, o.default)("ImportSpecifier", { visitor: ["local", "imported"], aliases: ["ModuleSpecifier"], fields: { local: { validate: (0, o.assertNodeType)("Identifier") }, imported: { validate: (0, o.assertNodeType)("Identifier", "StringLiteral") }, importKind: { validate: (0, o.assertOneOf)("type", "typeof"), optional: !0 } } }, (0, o.default)("MetaProperty", { visitor: ["meta", "property"], aliases: ["Expression"], fields: { meta: { validate: (0, o.chain)((0, o.assertNodeType)("Identifier"), Object.assign((function (e, t, r) { if (!process.env.BABEL_TYPES_8_BREAKING) return; let i; switch (r.name) { case "function": i = "sent"; break; case "new": i = "target"; break; case "import": i = "meta" } if (!(0, n.default)("Identifier", e.property, { name: i })) throw new TypeError("Unrecognised

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MetaProperty"})), {oneOfNodeTypes:["Identifier"]}))}, property: {validate:(0,o.assertNodeType)("Identifier")}}});const
f={ abstract: {validate:(0,o.assertValueType)("boolean"), optional:!0}, accessibility: {validate:(0,o.assertOneOf)("public",
"private", "protected"), optional:!0}, static: {default:!1}, computed: {default:!1}, optional: {validate:(0,o.assertValueType)
("boolean"), optional:!0}, key: {validate:(0,o.chain)(function(){const
e=(0,o.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral"), t=(0,o.assertNodeType)("Expression"); return
function(r,n,i){(r.computed?t:e)(r,n,i)}(), (0,o.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral", "Expr
ession"))}; t.classMethodOrPropertyCommon=f; const
m=Object.assign({}, p, f, {kind: {validate:(0,o.assertOneOf)("get", "set", "method", "constructor"), default:"method"}, ac
cess: {validate:(0,o.chain)((0,o.assertValueType)("string"), (0,o.assertOneOf)("public", "private", "protected")), optiona
l:!0}, decorators: {validate:(0,o.chain)((0,o.assertValueType)("array"), (0,o.assertEach)((0,o.assertNodeType)("Decor
ator"))}, optional:!0}); t.classMethodOrDeclareMethodCommon=m, (0,o.default)("ClassMethod", {aliases:["Function",
"Scopable", "BlockParent", "FunctionParent", "Method"], builder:["kind", "key", "params", "body", "computed", "static",
"generator", "async"], visitor:["key", "params", "body", "decorators", "returnType", "typeParameters"], fields:Object.as
sign({m,u,{body: {validate:(0,o.assertNodeType)("BlockStatement")}}}), (0,o.default)("ObjectPattern", {visitor:["
properties", "typeAnnotation", "decorators"], builder:["properties"], aliases:["Pattern", "PatternLike", "LVal"], fields:Obj
ect.assign({h,{properties: {validate:(0,o.chain)((0,o.assertValueType)("array"), (0,o.assertEach)((0,o.assertNodeTy
pe)("RestElement", "ObjectProperty"))}}}), (0,o.default)("SpreadElement", {visitor:["argument"], aliases:["UnaryLi
ke"], deprecatedAlias:"SpreadProperty", fields: {argument: {validate:(0,o.assertNodeType)("Expression")}}}), (0,o.def
ault)("Super", {aliases:["Expression"]}), (0,o.default)("TaggedTemplateExpression", {visitor:["tag", "quasi"], aliases:["
Expression"], fields: {tag: {validate:(0,o.assertNodeType)("Expression")}, quasi: {validate:(0,o.assertNodeType)("Tem
plateLiteral")}, typeParameters: {validate:(0,o.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterIns
tantiation"), optional:!0}}}), (0,o.default)("TemplateElement", {builder:["value", "tail"], fields: {value: {validate:(0,o.as
sertShape)({raw: {validate:(0,o.assertValueType)("string")}, cooked: {validate:(0,o.assertValueType)("string"), option
al:!0}}), tail: {default:!1}}}), (0,o.default)("TemplateLiteral", {visitor:["quasis", "expressions"], aliases:["Expression",
"Literal"], fields: {quasis: {validate:(0,o.chain)((0,o.assertValueType)("array"), (0,o.assertEach)((0,o.assertNodeTy
pe)("TemplateElement"))}, expressions: {validate:(0,o.chain)((0,o.assertValueType)("array"), (0,o.assertEach)((0,o.asse
rtNodeType)("Expression", "TSType")), (function(e,t,r){if(e.quasis.length!==r.length+1)throw new
TypeError(`Number of ${e.type} quasis should be exactly one more than the number of expressions.\\nExpected
${r.length+1} quasis but got
${e.quasis.length}`)}}}), (0,o.default)("YieldExpression", {builder:["argument", "delegate"], visitor:["argument"], a
liases:["Expression", "Terminatorless"], fields: {delegate: {validate:(0,o.chain)((0,o.assertValueType)("boolean"), Obj
ect.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&&!e.argument)throw new
TypeError("Property delegate of YieldExpression cannot be true if there is no
argument"))}, {type:"boolean"})), default:!1}, argument: {optional:!0, validate:(0,o.assertNodeType)("Expression")}}
}), (0,o.default)("AwaitExpression", {builder:["argument"], visitor:["argument"], aliases:["Expression", "Terminatorless"],
fields: {argument: {validate:(0,o.assertNodeType)("Expression")}}}), (0,o.default)("Import", {aliases:["Expression"],
fields: {argument: {validate:(0,o.assertNodeType)("Expression")}}}), (0,o.default)("BigIntLiteral", {builder:["value"],
fields: {value: {validate:(0,o.assertValueType)("string")}}}, aliases:
["Expression", "Pureish", "Literal", "Immutable"]}), (0,o.default)("ExportNamespaceSpecifier", {visitor:["exported"], al
iases:["ModuleSpecifier"], fields: {exported: {validate:(0,o.assertNodeType)("Identifier")}}}), (0,o.default)("Optional
MemberExpression", {builder:["object", "property", "computed", "optional"], visitor:["object", "property"], aliases:["Ex
pression"], fields: {object: {validate:(0,o.assertNodeType)("Expression")}, property: {validate:function(){const
e=(0,o.assertNodeType)("Identifier"), t=(0,o.assertNodeType)("Expression"), r=function(r,n,i){(r.computed?t:e)(r,n,i)
}; return
r.oneOfNodeTypes=["Expression", "Identifier"], r()}}, computed: {default:!1}, optional: {validate:process.env.BABEL
_TYPES_8_BREAKING?(0,o.chain)((0,o.assertValueType)("boolean"), (0,o.assertOptionalChainStart)()): (0,o.assert
ValueType)("boolean")}}}), (0,o.default)("OptionalCallExpression", {visitor:["callee", "arguments", "typeParameters",
"typeArguments"], builder:["callee", "arguments", "optional"], aliases:["Expression"], fields: {callee: {validate:(0,o.asse

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rtNodeType)("Expression")),arguments:{ validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.a
ssertNodeType)("Expression","SpreadElement","JSXNamespacedName"))},optional:{ validate:process.env.BABEL
_TYPES_8_BREAKING?(0,o.chain)((0,o.assertValueType)("boolean"),(0,o.assertOptionalChainStart)():(0,o.asser
rtValueType)("boolean")),typeArguments:{ validate:(0,o.assertNodeType)("TypeParameterInstantiation"),optional:!
0},typeParameters:{ validate:(0,o.assertNodeType)("TSTypeParameterInstantiation"),optional:!0}}},function(e,t,r)
{"use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t){if(e===t)return!0;if(n.ALIAS_KE
YS[t])return!1;const r=n.FLIPPED_ALIAS_KEYS[t];if(r){if(r[0]===e)return!0;for(const t of
r)if(e===t)return!0}return!1};var n=r(5),function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t,r){if(!e)return;const
a=n.NODE_FIELDS[e.type];if(!a)return;const o=a[t];i(e,t,r,o),s(e,t,r),t.validateField=i,t.validateChild=s;var
n=r(5);function i(e,t,r,n){(null===n?void 0:n.validate)&&(n.optional&&null===r||n.validate(e,t,r))}function
s(e,t,r){if(null===r)return;const i=n.NODE_PARENT_VALIDATIONS[r.type];i&&i(e,t,r)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t,r){t&&r&&t[e]=Array.from(new
Set([],concat(t[e],r[e]).filter(Boolean)))},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t){const r=Object.keys(t);for(const n
of r)if(e[n]!==t[n])return!1;return!0},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.classMethodOrDeclareMethodCommon=t.classMethodO
rPropertyCommon=t.patternLikeCommon=t.functionDeclarationCommon=t.functionTypeAnnotationCommon=t.fu
nctionCommon=void 0;var
n=r(36),i=r(24),s=r(19),a=r(15),o=r(10);(0,o.default)("ArrayExpression",{ fields:{ elements:{ validate:(0,o.chain)((0,o
.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeOrValueType)("null","Expression","SpreadElement"))},
default:process.env.BABEL_TYPES_8_BREAKING?void
0:[]}},visitor:["elements"],aliases:["Expression"]}), (0,o.default)("AssignmentExpression",{ fields:{ operator:{ validat
e:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(0,o.assertValueType)("string");const
e=(0,o.assertOneOf)(...a.ASSIGNMENT_OPERATORS),t=(0,o.assertOneOf)("=");return
function(r,i,s){((0,n.default)("Pattern",r.left)?t:e)(r,i,s)}(),left:{ validate:process.env.BABEL_TYPES_8_BREAKI
NG?(0,o.assertNodeType)("Identifier","MemberExpression","ArrayPattern","ObjectPattern):(0,o.assertNodeType)(
"LVal")},right:{ validate:(0,o.assertNodeType)("Expression")}},builder:["operator","left","right"],visitor:["left","rig
ht"],aliases:["Expression"]}), (0,o.default)("BinaryExpression",{ builder:["operator","left","right"],fields:{ operator:{ v
alidate:(0,o.assertOneOf)(...a.BINARY_OPERATORS)},left:{ validate:function(){const
e=(0,o.assertNodeType)("Expression"),t=(0,o.assertNodeType)("Expression","PrivateName"),r=function(r,n,i){("in"
===r.operator?t:e)(r,n,i)};return
r.oneOfNodeTypes=["Expression","PrivateName"],r()}},right:{ validate:(0,o.assertNodeType)("Expression")}},visi
tor:["left","right"],aliases:["Binary","Expression"]}), (0,o.default)("InterpreterDirective",{ builder:["value"],fields:{ va
lue:{ validate:(0,o.assertValueType)("string")}}}), (0,o.default)("Directive",{ visitor:["value"],fields:{ value:{ validat
e:(0,o.assertNodeType)("DirectiveLiteral")}}}), (0,o.default)("DirectiveLiteral",{ builder:["value"],fields:{ value:{ valid
ate:(0,o.assertValueType)("string")}}}), (0,o.default)("BlockStatement",{ builder:["body","directives"],visitor:["direc
tives","body"],fields:{ directives:{ validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.asser
tNodeType)("Directive"))},default:[]},body:{ validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.a
ssertNodeType)("Statement"))}},aliases:["Scopable","BlockParent","Block","Statement"]}), (0,o.default)("BreakSta
tement",{ visitor:["label"],fields:{ label:{ validate:(0,o.assertNodeType)("Identifier"),optional:!0}},aliases:["Statemen
t","Terminatorless","CompletionStatement"]}), (0,o.default)("CallExpression",{ visitor:["callee","arguments","typePa
rameters","typeArguments"],builder:["callee","arguments"],aliases:["Expression"],fields:Object.assign({ callee:{ vali
date:(0,o.assertNodeType)("Expression","V8IntrinsicIdentifier")},arguments:{ validate:(0,o.chain)((0,o.assertValueT
ype)("array"),(0,o.assertEach)((0,o.assertNodeType)("Expression","SpreadElement","JSXNamespacedName","Argu
mentPlaceholder"))}},process.env.BABEL_TYPES_8_BREAKING?{}:{ optional:{ validate:(0,o.assertOneOf)(!0,!
1),optional:!0}},typeArguments:{ validate:(0,o.assertNodeType)("TypeParameterInstantiation"),optional:!0},typeP

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arameters: { validate: (0, o.assertNodeType)("TSTypeParameterInstantiation"), optional: !0 } } }, (0, o.default)("CatchClause", { visitor: ["param", "body"], fields: { param: { validate: (0, o.assertNodeType)("Identifier", "ArrayPattern", "ObjectPattern"), optional: !0 }, body: { validate: (0, o.assertNodeType)("BlockStatement") } }, aliases: ["Scopable", "BlockParent"] } }, (0, o.default)("ConditionalExpression", { visitor: ["test", "consequent", "alternate"], fields: { test: { validate: (0, o.assertNodeType)("Expression") }, consequent: { validate: (0, o.assertNodeType)("Expression") }, alternate: { validate: (0, o.assertNodeType)("Expression") } }, aliases: ["Expression", "Conditional"] } }, (0, o.default)("ContinueStatement", { visitor: ["label"], fields: { label: { validate: (0, o.assertNodeType)("Identifier"), optional: !0 } }, aliases: ["Statement", "Terminatorless", "CompletionStatement"] } }, (0, o.default)("DebuggerStatement", { aliases: ["Statement"] } }, (0, o.default)("DoWhileStatement", { visitor: ["test", "body"], fields: { test: { validate: (0, o.assertNodeType)("Expression") }, body: { validate: (0, o.assertNodeType)("Statement") } }, aliases: ["Statement", "BlockParent", "Loop", "While", "Scopable"] } }, (0, o.default)("EmptyStatement", { aliases: ["Statement"] } }, (0, o.default)("ExpressionStatement", { visitor: ["expression"], fields: { expression: { validate: (0, o.assertNodeType)("Expression") } }, aliases: ["Statement", "ExpressionWrapper"] } }, (0, o.default)("File", { builder: ["program", "comments", "tokens"], visitor: ["program"], fields: { program: { validate: (0, o.assertNodeType)("Program") }, comments: { validate: process.env.BABEL_TYPES_8_BREAKING ? (0, o.assertEach)((0, o.assertNodeType)("CommentBlock", "CommentLine")): Object.assign(() => { }, { each: { oneOfNodeTypes: ["CommentBlock", "CommentLine"] } }, optional: !0 }, tokens: { validate: (0, o.assertEach)(Object.assign(() => { }, { type: "any" })), optional: !0 } } }, (0, o.default)("ForInStatement", { visitor: ["left", "right", "body"], aliases: ["Scopable", "Statement", "For", "BlockParent", "Loop", "ForXStatement"], fields: { left: { validate: process.env.BABEL_TYPES_8_BREAKING ? (0, o.assertNodeType)("VariableDeclaration", "Identifier", "MemberExpression", "ArrayPattern", "ObjectPattern"): (0, o.assertNodeType)("VariableDeclaration", "LVal") }, right: { validate: (0, o.assertNodeType)("Expression") }, body: { validate: (0, o.assertNodeType)("Statement") } } }, (0, o.default)("ForStatement", { visitor: ["init", "test", "update", "body"], aliases: ["Scopable", "Statement", "For", "BlockParent", "Loop"], fields: { init: { validate: (0, o.assertNodeType)("VariableDeclaration", "Expression"), optional: !0 }, test: { validate: (0, o.assertNodeType)("Expression"), optional: !0 }, update: { validate: (0, o.assertNodeType)("Expression"), optional: !0 }, body: { validate: (0, o.assertNodeType)("Statement") } } }); const l = { params: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("Identifier", "Pattern", "RestElement", "TSPParameterProperty"))) }, generator: { default: !1 }, async: { default: !1 }; t.functionCommon = l; const c = { returnType: { validate: (0, o.assertNodeType)("TypeAnnotation", "TSTypeAnnotation", "Noop"), optional: !0 }, typeParameters: { validate: (0, o.assertNodeType)("TypeParameterDeclaration", "TSTypeParameterDeclaration", "Noop"), optional: !0 }; t.functionTypeAnnotationCommon = c; const p = Object.assign({ }, l, { declare: { validate: (0, o.assertValueType)("boolean"), optional: !0 }, id: { validate: (0, o.assertNodeType)("Identifier"), optional: !0 }; t.functionDeclarationCommon = p, (0, o.default)("FunctionDeclaration", { builder: ["id", "params", "body", "generator", "async"], visitor: ["id", "params", "body", "returnType", "typeParameters"], fields: Object.assign({ }, p, c, { body: { validate: (0, o.assertNodeType)("BlockStatement") } }, aliases: ["Scopable", "Function", "BlockParent", "FunctionParent", "Statement", "Pureish", "Declaration"], validate: function() { if (!process.env.BABEL_TYPES_8_BREAKING) return () => { }; const e = (0, o.assertNodeType)("Identifier"); return function(t, r, i) { (0, n.default)("ExportDefaultDeclaration", t) || e(i, "id", i.id) } }, (0, o.default)("FunctionExpression", { inherits: "FunctionDeclaration", aliases: ["Scopable", "Function", "BlockParent", "FunctionParent", "Expression", "Pureish"], fields: Object.assign({ }, l, c, { id: { validate: (0, o.assertNodeType)("Identifier"), optional: !0 }, body: { validate: (0, o.assertNodeType)("BlockStatement") } } })); const u = { typeAnnotation: { validate: (0, o.assertNodeType)("TypeAnnotation", "TSTypeAnnotation", "Noop"), optional: !0 }, decorators: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("Decorator"))) } }; t.patternLikeCommon = u, (0, o.default)("Identifier", { builder: ["name"], visitor: ["typeAnnotation", "decorators"], aliases: ["Expression", "PatternLike", "LVal", "TSEntityName"], fields: Object.assign({ }, u, { name: { validate: (0, o.chain)((0, o.assertValueType)("string"), Object.assign((function(e, t, r) { if (process.env.BABEL_TYPES_8_BREAKING && !(0, i.default)(r, !1)) throw new TypeError(`"${r}" is not a valid identifier name`), { type: "string" } })), optional: { validate: (0, o.assertValueType)("boolean"), optional: !0 }, validate(e, t, r) { if (!process.env.BABEL_TYPES_8_BREAKING) return; const

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i=/\.(\\w+)$/.exec(t);if(!i)return;const[a,i,o]={computed:!1};if("property"===a){if((0,n.default)("MemberExpression",e,o))return;if((0,n.default)("OptionalMemberExpression",e,o))return}else
if("key"===a){if((0,n.default)("Property",e,o))return;if((0,n.default)("Method",e,o))return}else
if("exported"===a){if((0,n.default)("ExportSpecifier",e))return}else
if("imported"===a){if((0,n.default)("ImportSpecifier",e,{imported:r}))return}else
if("meta"===a&&(0,n.default)("MetaProperty",e,{meta:r}))return;if(((0,s.isKeyword)(r.name)||((0,s.isReservedWord)(r.name,!1))&&"this"!==r.name))throw new TypeError(`"${r.name}" is not a valid
identifier`)),(0,o.default)("IfStatement",{visitor:["test","consequent","alternate"],aliases:["Statement","Conditional"],fields:{test:{validate:(0,o.assertNodeType)("Expression")},consequent:{validate:(0,o.assertNodeType)("Statement")},alternate:{optional:!0,validate:(0,o.assertNodeType)("Statement")}}}),((0,o.default)("LabeledStatement",{visitor:["label","body"],aliases:["Statement"],fields:{label:{validate:(0,o.assertNodeType)("Identifier")},body:{validate:(0,o.assertNodeType)("Statement")}}}),((0,o.default)("StringLiteral",{builder:["value"],fields:{value:{validate:(0,o.assertValueType)("string")}},aliases:["Expression","Pureish","Literal","Immutable"]}),((0,o.default)("NumericLiteral",{builder:["value"],deprecatedAlias:"NumberLiteral",fields:{value:{validate:(0,o.assertValueType)("number")}},aliases:["Expression","Pureish","Literal","Immutable"]}),((0,o.default)("NullLiteral",{aliases:["Expression","Pureish","Literal","Immutable"]}),((0,o.default)("BooleanLiteral",{builder:["value"],fields:{value:{validate:(0,o.assertValueType)("boolean")}},aliases:["Expression","Pureish","Literal","Immutable"]}),((0,o.default)("RegExpLiteral",{builder:["pattern","flags"],deprecatedAlias:"RegexLiteral",aliases:["Expression","Pureish","Literal"],fields:{pattern:{validate:(0,o.assertValueType)("string")},flags:{validate:(0,o.chain)((0,o.assertValueType)("string"),Object.assign((function(e,t,r){if(!process.env.BABEL_TYPES_8_BREAKING)return;const n=/^gimsuy/.exec(r);if(n)throw new
TypeError(`"${n[0]}" is not a valid RegExp
flag`))},{type:"string"})),default:""})),(0,o.default)("LogicalExpression",{builder:["operator","left","right"],visitor:["left","right"],aliases:["Binary","Expression"],fields:{operator:{validate:(0,o.assertOneOf)(...a.LOGICAL_OPERATORS)},left:{validate:(0,o.assertNodeType)("Expression")},right:{validate:(0,o.assertNodeType)("Expression")}}}),((0,o.default)("MemberExpression",{builder:["object","property","computed","optional"],visitor:["object","property"],aliases:["Expression","LVal"],fields:Object.assign({object:{validate:(0,o.assertNodeType)("Expression")},property:{validate:function(){const
e=(0,o.assertNodeType)("Identifier","PrivateName"),t=(0,o.assertNodeType)("Expression"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return
r.oneOfNodeTypes=["Expression","Identifier","PrivateName"],r()}),computed:{default:!1}},process.env.BABEL_TYPES_8_BREAKING?{}:{optional:{validate:(0,o.assertOneOf)(!0,!1),optional:!0}}}),((0,o.default)("NewExpression",{inherits:"CallExpression"}),((0,o.default)("Program",{visitor:["directives","body"],builder:["body","directives","sourceType","interpreter"],fields:{sourceFile:{validate:(0,o.assertValueType)("string")},sourceType:{validate:(0,o.assertOneOf)("script","module"),default:"script"},interpreter:{validate:(0,o.assertNodeType)("InterpreterDirective"),default:null,optional:!0},directives:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Directive"))),default:[]},body:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Statement"))}}}),aliases:["Scopable","BlockParent","Block"]}),((0,o.default)("ObjectExpression",{visitor:["properties"],aliases:["Expression"],fields:{properties:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("ObjectMethod","ObjectProperty","SpreadElement"))}}}),((0,o.default)("ObjectMethod",{builder:["kind","key","params","body","computed","generator","async"],fields:Object.assign({},l,c,{kind:Object.assign({validate:(0,o.assertOneOf)("method","get","set")},process.env.BABEL_TYPES_8_BREAKING?{}:{default:"method"}),computed:{default:!1},key:{validate:function(){const
e=(0,o.assertNodeType)("Identifier","StringLiteral","NumericLiteral"),t=(0,o.assertNodeType)("Expression"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return
r.oneOfNodeTypes=["Expression","Identifier","StringLiteral","NumericLiteral"],r()}),decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))),optional:!0},body:{validate:(0,o.assertNodeType)("BlockStatement")}}}),visitor:["key","params","body","decorators","returnType","typeParameters"],aliases:["UserWhitespacable","Function","Scopable","BlockParent","FunctionParent","Method","ObjectMe

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mber"})),(0,o.default)("ObjectProperty",{builder:["key","value","computed","shorthand",...process.env.BABEL_T
YPES_8_BREAKING?[]:["decorators"]],fields:{computed:{default:!1},key:{validate:function(){const
e=(0,o.assertNodeType)("Identifier","StringLiteral","NumericLiteral"),t=(0,o.assertNodeType)("Expression"),r=fun
ction(r,n,i){(r.computed?t:e)(r,n,i)};return
r.oneOfNodeTypes=["Expression","Identifier","StringLiteral","NumericLiteral",r]()},value:{validate:(0,o.assertNo
deType)("Expression","PatternLike")},shorthand:{validate:(0,o.chain)((0,o.assertValueType)("boolean"),Object.assi
gn((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&r&&e.computed)throw new
TypeError("Property shorthand of ObjectProperty cannot be true if computed is
true"))},{type:"boolean"}),(function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&!0,n.default)("I
dentifier",e.key))throw new TypeError("Property shorthand of ObjectProperty cannot be true if key is not an
Identifier"))}),default:!1},decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.asser
tNodeType)("Decorator"))},optional:!0},visitor:["key","value","decorators"],aliases:["UserWhitespacable","Propert
y","ObjectMember"],validate:function(){const
e=(0,o.assertNodeType)("Identifier","Pattern"),t=(0,o.assertNodeType)("Expression");return
function(r,i,s){if(!process.env.BABEL_TYPES_8_BREAKING)return;((0,n.default)("ObjectPattern",r)?e:t)(s,"valu
e",s.value)}())},(0,o.default)("RestElement",{visitor:["argument","typeAnnotation"],builder:["argument"],aliases:["
LVal","PatternLike"],deprecatedAlias:"RestProperty",fields:Object.assign({},u,{argument:{validate:process.env.BA
BEL_TYPES_8_BREAKING?(0,o.assertNodeType)("Identifier","Pattern","MemberExpression):(0,o.assertNodeT
ype)("LVal")}}),validate(e,t){if(!process.env.BABEL_TYPES_8_BREAKING)return;const
r=/((\w+)\s+)[(](\d+)\s+[/].exec(t);if(!r)throw new Error("Internal Babel error: malformed
key.");const[n,i]=r;if(e[n].length>i+1)throw new TypeError("RestElement must be last element of
"+n)})),(0,o.default)("ReturnStatement",{visitor:["argument"],aliases:["Statement","Terminatorless","CompletionSt
atement"],fields:{argument:{validate:(0,o.assertNodeType)("Expression"),optional:!0}}}),((0,o.default)("SequenceE
xpression",{visitor:["expressions"],fields:{expressions:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.asser
tEach)((0,o.assertNodeType)("Expression"))}}},aliases:["Expression"]}),((0,o.default)("ParenthesizedExpression",
{visitor:["expression"],aliases:["Expression","ExpressionWrapper"],fields:{expression:{validate:(0,o.assertNodeTyp
e)("Expression")}}}),((0,o.default)("SwitchCase",{visitor:["test","consequent"],fields:{test:{validate:(0,o.assertNode
Type)("Expression"),optional:!0},consequent:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)(
(0,o.assertNodeType)("Statement"))}}}),((0,o.default)("SwitchStatement",{visitor:["discriminant","cases"],aliases:[
"Statement","BlockParent","Scopable"],fields:{discriminant:{validate:(0,o.assertNodeType)("Expression")},cases:{
validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("SwitchCase"))}}}),((0,o
.default)("ThisExpression",{aliases:["Expression"]}),((0,o.default)("ThrowStatement",{visitor:["argument"],aliases:[
"Statement","Terminatorless","CompletionStatement"],fields:{argument:{validate:(0,o.assertNodeType)("Expressio
n")}}}),((0,o.default)("TryStatement",{visitor:["block","handler","finalizer"],aliases:["Statement"],fields:{block:{val
idate:(0,o.chain)((0,o.assertNodeType)("BlockStatement"),Object.assign((function(e){if(process.env.BABEL_TYP
ES_8_BREAKING&&!e.handler&&!e.finalizer)throw new TypeError("TryStatement expects either a handler or
finalizer, or
both"))},{oneOfNodeTypes:["BlockStatement"]}}}),handler:{optional:!0,validate:(0,o.assertNodeType)("CatchClau
se")},finalizer:{optional:!0,validate:(0,o.assertNodeType)("BlockStatement")}}}),((0,o.default)("UnaryExpression",{
builder:["operator","argument","prefix"],fields:{prefix:{default:!0},argument:{validate:(0,o.assertNodeType)("Expr
ession")},operator:{validate:(0,o.assertOneOf(...a.UNARY_OPERATORS)}},visitor:["argument"],aliases:["Unary
Like","Expression"]}),((0,o.default)("UpdateExpression",{builder:["operator","argument","prefix"],fields:{prefix:{d
efault:!1},argument:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)("Identifier","Me
mberExpression):(0,o.assertNodeType)("Expression")},operator:{validate:(0,o.assertOneOf(...a.UPDATE_OPER
ATORS)}},visitor:["argument"],aliases:["Expression"]}),((0,o.default)("VariableDeclaration",{builder:["kind","decl
arations"],visitor:["declarations"],aliases:["Statement","Declaration"],fields:{declare:{validate:(0,o.assertValueTyp
e)("boolean"),optional:!0},kind:{validate:(0,o.assertOneOf("var","let","const"))},declarations:{validate:(0,o.chain)((0
,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("VariableDeclarator"))}}},validate(e,t,r){if(pro

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cess.env.BABEL_TYPES_8_BREAKING&&(0,n.default)("ForXStatement",e,{left:r})&&!r.declarations.length
)throw new TypeError("Exactly one VariableDeclarator is required in the VariableDeclaration of a
"+e.type)})),(0,o.default)("VariableDeclarator",{visitor:["id","init"],fields:{id:{validate:function(){if(!process.env.
BABEL_TYPES_8_BREAKING)return(0,o.assertNodeType)("LVal");const
e=(0,o.assertNodeType)("Identifier","ArrayPattern","ObjectPattern"),t=(0,o.assertNodeType)("Identifier");return
function(r,n,i){(r.init?t:(r,n,i)){}},definite:{optional:!0,validate:(0,o.assertValueType)("boolean")},init:{optional:
!0,validate:(0,o.assertNodeType)("Expression")}})),(0,o.default)("WhileStatement",{visitor:["test","body"],aliases:[
"Statement","BlockParent","Loop","While","Scopable"],fields:{test:{validate:(0,o.assertNodeType)("Expression")},
body:{validate:(0,o.assertNodeType)("Statement")}})),(0,o.default)("WithStatement",{visitor:["object","body"],alia
ses:["Statement"],fields:{object:{validate:(0,o.assertNodeType)("Expression")},body:{validate:(0,o.assertNodeType
)("Statement")}})),(0,o.default)("AssignmentPattern",{visitor:["left","right","decorators"],builder:["left","right"],ali
ases:["Pattern","PatternLike","LVal"],fields:Object.assign({},u,{left:{validate:(0,o.assertNodeType)("Identifier","O
bjectPattern","ArrayPattern","MemberExpression")},right:{validate:(0,o.assertNodeType)("Expression")},decorator
s:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))),optiona
l:!0}})),(0,o.default)("ArrayPattern",{visitor:["elements","typeAnnotation"],builder:["elements"],aliases:["Pattern",
"PatternLike","LVal"],fields:Object.assign({},u,{elements:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o
.assertEach)((0,o.assertNodeOrValueType)("null","PatternLike"))}),decorators:{validate:(0,o.chain)((0,o.assertValu
eType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))),optional:!0}})),(0,o.default)("ArrowFunctionExpression",{builder:["params","body","async"],visitor:["params","body","returnType","typeParameters"],aliases:[
"Scopable","Function","BlockParent","FunctionParent","Expression","Pureish"],fields:Object.assign({},l,c,{express
ion:{validate:(0,o.assertValueType)("boolean")},body:{validate:(0,o.assertNodeType)("BlockStatement","Expressio
n")}})),(0,o.default)("ClassBody",{visitor:["body"],fields:{body:{validate:(0,o.chain)((0,o.assertValueType)("arra
y"),(0,o.assertEach)((0,o.assertNodeType)("ClassMethod","ClassPrivateMethod","ClassProperty","ClassPrivateProp
erty","TSDeclareMethod","TSIndexSignature"))}})),(0,o.default)("ClassExpression",{builder:["id","superClass","
body","decorators"],visitor:["id","body","superClass","mixins","typeParameters","superTypeParameters","impleme
nts","decorators"],aliases:["Scopable","Class","Expression"],fields:{id:{validate:(0,o.assertNodeType)("Identifier")},
optional:!0,typeParameters:{validate:(0,o.assertNodeType)("TypeParameterDeclaration","TSTypeParameterDeclar
ation","Noop"),optional:!0},body:{validate:(0,o.assertNodeType)("ClassBody")},superClass:{optional:!0,validate:(
0,o.assertNodeType)("Expression")},superTypeParameters:{validate:(0,o.assertNodeType)("TypeParameterInstanti
ation","TSTypeParameterInstantiation"),optional:!0},implements:{validate:(0,o.chain)((0,o.assertValueType)("array
"),(0,o.assertEach)((0,o.assertNodeType)("TSExpressionWithTypeArguments","ClassImplements"))),optional:!0},d
ecorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))
),optional:!0},mixins:{validate:(0,o.assertNodeType)("InterfaceExtends"),optional:!0}})),(0,o.default)("ClassDeclar
ation",{inherits:"ClassExpression",aliases:["Scopable","Class","Statement","Declaration"],fields:{id:{validate:(0,o.a
ssertNodeType)("Identifier")},typeParameters:{validate:(0,o.assertNodeType)("TypeParameterDeclaration","TSTyp
eParameterDeclaration","Noop"),optional:!0},body:{validate:(0,o.assertNodeType)("ClassBody")},superClass:{opti
onal:!0,validate:(0,o.assertNodeType)("Expression")},superTypeParameters:{validate:(0,o.assertNodeType)("TypeP
arameterInstantiation","TSTypeParameterInstantiation"),optional:!0},implements:{validate:(0,o.chain)((0,o.assertVa
lueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("TSExpressionWithTypeArguments","ClassImplements"))
),optional:!0},decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeTyp
e)("Decorator"))),optional:!0},mixins:{validate:(0,o.assertNodeType)("InterfaceExtends"),optional:!0},declare:{valid
ate:(0,o.assertValueType)("boolean"),optional:!0},abstract:{validate:(0,o.assertValueType)("boolean"),optional:!0}
},validate:function(){const e=(0,o.assertNodeType)("Identifier");return
function(t,r,i){process.env.BABEL_TYPES_8_BREAKING&&((0,n.default)("ExportDefaultDeclaration",t)||e(i,"id
",i.id)){})),(0,o.default)("ExportAllDeclaration",{visitor:["source"],aliases:["Statement","Declaration","ModuleDe
claration","ExportDeclaration"],fields:{source:{validate:(0,o.assertNodeType)("StringLiteral")},exportKind:(0,o.val
idateOptional)((0,o.assertOneOf)("type","value")),assertions:{optional:!0,validate:(0,o.chain)((0,o.assertValueType
)("array"),(0,o.assertEach)((0,o.assertNodeType)("ImportAttribute"))}})),(0,o.default)("ExportDefaultDeclaration",

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{ visitor:["declaration"],aliases:["Statement","Declaration","ModuleDeclaration","ExportDeclaration"],fields:{ declar
ation:{ validate:(0,o.o.assertNodeType)("FunctionDeclaration","TSDeclareFunction","ClassDeclaration","Expression"
)}}),(0,o.o.default)("ExportNamedDeclaration",{ visitor:["declaration","specifiers","source"],aliases:["Statement","D
eclaration","ModuleDeclaration","ExportDeclaration"],fields:{ declaration:{ optional:!0,validate:(0,o.o.chain)((0,o.o.asse
rtNodeType)("Declaration"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&&r&&e.specifiers.length)throw new TypeError("Only declaration or specifiers is allowed on
ExportNamedDeclaration"))},{ oneOfNodeTypes:["Declaration"]}),(function(e,t,r){if(process.env.BABEL_TYPES_
8_BREAKING&&&e.source)throw new TypeError("Cannot export a declaration from a
source"))}}),assertions:{ optional:!0,validate:(0,o.o.chain)((0,o.o.assertValueType)("array"),(0,o.o.assertEach)((0,o.o.assert
NodeType)("ImportAttribute"))},specifiers:{ default:[],validate:(0,o.o.chain)((0,o.o.assertValueType)("array"),(0,o.o.asse
rtEach)(function(){const
e=(0,o.o.assertNodeType)("ExportSpecifier","ExportDefaultSpecifier","ExportNamespaceSpecifier"),t=(0,o.o.assertNo
deType)("ExportSpecifier");return
process.env.BABEL_TYPES_8_BREAKING?function(r,n,i){(r.source?t(r,n,i):e)}(r,n,i)}),source:{ validate:(0,o.asse
rtNodeType)("StringLiteral"),optional:!0},exportKind:(0,o.o.validateOptional)((0,o.o.assertOneOf)("type","value"))},
(0,o.o.default)("ExportSpecifier",{ visitor:["local","exported"],aliases:["ModuleSpecifier"],fields:{ local:{ validate:(0,o.o.
assertNodeType)("Identifier")},exported:{ validate:(0,o.o.assertNodeType)("Identifier","StringLiteral")}}),(0,o.o.defau
lt)("ForOfStatement",{ visitor:["left","right","body"],builder:["left","right","body","await"],aliases:["Scopable","Stat
ement","For","BlockParent","Loop","ForXStatement"],fields:{ left:{ validate:function(){if(!process.env.BABEL_TY
PES_8_BREAKING)return(0,o.o.assertNodeType)("VariableDeclaration","LVal");const
e=(0,o.o.assertNodeType)("VariableDeclaration"),t=(0,o.o.assertNodeType)("Identifier","MemberExpression","ArrayPa
ttern","ObjectPattern");return
function(r,i,s){(0,n.default)("VariableDeclaration",s)?e(r,i,s):t(r,i,s)}(r,i,s)}),right:{ validate:(0,o.o.assertNodeType)("Expr
ession")},body:{ validate:(0,o.o.assertNodeType)("Statement")},await:{ default:!1}}),(0,o.o.default)("ImportDeclaratio
n",{ visitor:["specifiers","source"],aliases:["Statement","Declaration","ModuleDeclaration"],fields:{ assertions:{ optio
nal:!0,validate:(0,o.o.chain)((0,o.o.assertValueType)("array"),(0,o.o.assertEach)((0,o.o.assertNodeType)("ImportAttribute"
))),specifiers:{ validate:(0,o.o.chain)((0,o.o.assertValueType)("array"),(0,o.o.assertEach)((0,o.o.assertNodeType)("ImportSp
ecifier","ImportDefaultSpecifier","ImportNamespaceSpecifier"))},source:{ validate:(0,o.o.assertNodeType)("StringLi
teral")},importKind:{ validate:(0,o.o.assertOneOf)("type","typeof","value"),optional:!0}}),(0,o.o.default)("ImportDefa
ultSpecifier",{ visitor:["local"],aliases:["ModuleSpecifier"],fields:{ local:{ validate:(0,o.o.assertNodeType)("Identifier"
)}}),(0,o.o.default)("ImportNamespaceSpecifier",{ visitor:["local"],aliases:["ModuleSpecifier"],fields:{ local:{ validate
:(0,o.o.assertNodeType)("Identifier")}}),(0,o.o.default)("ImportSpecifier",{ visitor:["local","imported"],aliases:["Modu
leSpecifier"],fields:{ local:{ validate:(0,o.o.assertNodeType)("Identifier")},imported:{ validate:(0,o.o.assertNodeType)("I
dentifier","StringLiteral")},importKind:{ validate:(0,o.o.assertOneOf)("type","typeof"),optional:!0}}),(0,o.o.default)("
MetaProperty",{ visitor:["meta","property"],aliases:["Expression"],fields:{ meta:{ validate:(0,o.o.chain)((0,o.o.assertNode
Type)("Identifier"),Object.assign((function(e,t,r){if(!process.env.BABEL_TYPES_8_BREAKING)return;let
i;switch(r.name){case"function":i="sent";break;case"new":i="target";break;case"import":i="meta"}if(!(0,n.default)(
"Identifier",e.property,{ name:i}))throw new TypeError("Unrecognised
MetaProperty"))},{ oneOfNodeTypes:["Identifier"]}}),property:{ validate:(0,o.o.assertNodeType)("Identifier")}}});co
nst
d={ abstract:{ validate:(0,o.o.assertValueType)("boolean"),optional:!0},accessibility:{ validate:(0,o.o.assertOneOf)("publ
ic","private","protected"),optional:!0},static:{ default:!1},override:{ default:!1},computed:{ default:!1},optional:{ vali
date:(0,o.o.assertValueType)("boolean"),optional:!0},key:{ validate:(0,o.o.chain)(function(){const
e=(0,o.o.assertNodeType)("Identifier","StringLiteral","NumericLiteral"),t=(0,o.o.assertNodeType)("Expression");return
function(r,n,i){(r.computed?t:e)(r,n,i)}(r,n,i)}(0,o.o.assertNodeType)("Identifier","StringLiteral","NumericLiteral","Expr
ession"))};t.classMethodOrPropertyCommon=d;const
h=Object.assign({},l,d,{ kind:{ validate:(0,o.o.assertOneOf)("get","set","method","constructor"),default:"method"},acc
ess:{ validate:(0,o.o.chain)((0,o.o.assertValueType)("string"),(0,o.o.assertOneOf)("public","private","protected")),optional

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:10},decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))),optional:!0});t.classMethodOrDeclareMethodCommon=h,(0,o.default)("ClassMethod",{aliases:["Function","Scopable","BlockParent","FunctionParent","Method"],builder:["kind","key","params","body","computed","static","generator","async"],visitor:["key","params","body","decorators","returnType","typeParameters"],fields:Object.assign({},h,c,{body:{validate:(0,o.assertNodeType)("BlockStatement")}})),(0,o.default)("ObjectPattern",{visitor:["properties","typeAnnotation","decorators"],builder:["properties"],aliases:["Pattern","PatternLike","LVal"],fields:Object.assign({},u,{properties:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("RestElement","ObjectProperty"))}})),(0,o.default)("SpreadElement",{visitor:["argument"],aliases:["UnaryLike"],deprecatedAlias:"SpreadProperty",fields:{argument:{validate:(0,o.assertNodeType)("Expression")}})),(0,o.default)("Super",{aliases:["Expression"]}),((0,o.default)("TaggedTemplateExpression",{visitor:["tag","quasi"],aliases:["Expression"],fields:{tag:{validate:(0,o.assertNodeType)("Expression")},quasi:{validate:(0,o.assertNodeType)("TemplateLiteral")},typeParameters:{validate:(0,o.assertNodeType)("TypeParameterInstantiation","TSTypeParameterInstantiation"),optional:!0}})),(0,o.default)("TemplateElement",{builder:["value","tail"],fields:{value:{validate:(0,o.assertShape)((raw:{validate:(0,o.assertValueType)("string")},cooked:{validate:(0,o.assertValueType)("string"),optional:!0})},tail:{default:!1}})),(0,o.default)("TemplateLiteral",{visitor:["quasis","expressions"],aliases:["Expression","Literal"],fields:{quasis:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("TemplateElement"))},expressions:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Expression","TSType")),(function(e,t,r){if(e.quasis.length!==r.length+1)throw new TypeError(`Number of ${e.type} quasis should be exactly one more than the number of expressions.\\nExpected ${r.length+1} quasis but got ${e.quasis.length}`)}})),(0,o.default)("YieldExpression",{builder:["argument","delegate"],visitor:["argument"],aliases:["Expression","Terminatorless"],fields:{delegate:{validate:(0,o.chain)((0,o.assertValueType)("boolean"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&&e.argument)throw new TypeError("Property delegate of YieldExpression cannot be true if there is no argument"))},{type:"boolean"})),default:!1},argument:{optional:!0,validate:(0,o.assertNodeType)("Expression")}})),(0,o.default)("AwaitExpression",{builder:["argument"],visitor:["argument"],aliases:["Expression","Terminatorless"],fields:{argument:{validate:(0,o.assertNodeType)("Expression")}})),(0,o.default)("Import",{aliases:["Expression"]}),((0,o.default)("BigIntLiteral",{builder:["value"],fields:{value:{validate:(0,o.assertValueType)("string")}}},aliases:["Expression","Pureish","Literal","Immutable"])),(0,o.default)("ExportNamespaceSpecifier",{visitor:["exported"],aliases:["ModuleSpecifier"],fields:{exported:{validate:(0,o.assertNodeType)("Identifier")}})),(0,o.default)("OptionalMemberExpression",{builder:["object","property","computed","optional"],visitor:["object","property"],aliases:["Expression"],fields:{object:{validate:(0,o.assertNodeType)("Expression")},property:{validate:function(){const e=(0,o.assertNodeType)("Identifier"),t=(0,o.assertNodeType)("Expression"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return r.oneOfNodeTypes=["Expression","Identifier"],r()}},computed:{default:!1},optional:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.chain)((0,o.assertValueType)("boolean"),(0,o.assertOptionalChainStart)):((0,o.assertValueType)("boolean"))}})),(0,o.default)("OptionalCallExpression",{visitor:["callee","arguments","typeParameters","typeArguments"],builder:["callee","arguments","optional"],aliases:["Expression"],fields:{callee:{validate:(0,o.assertNodeType)("Expression")},arguments:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Expression","SpreadElement","JSXNamespacedName","ArgumentPlaceholder"))},optional:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.chain)((0,o.assertValueType)("boolean"),(0,o.assertOptionalChainStart)):((0,o.assertValueType)("boolean"))},typeArguments:{validate:(0,o.assertNodeType)("TypeParameterInstantiation"),optional:!0},typeParameters:{validate:(0,o.assertNodeType)("TSTypeParameterInstantiation"),optional:!0}})),function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(e===t)return!0;if(n.ALIAS_KEYS[t])return!1;const r=n.FLIPPED_ALIAS_KEYS[t];if(r){if(r[0]===e)return!0;for(const t of r)if(e===t)return!0}return!1};var n=r(6)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!e)return;const

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a=n.NODE_FIELDS[e.type];if(!a)return;const o=a[t];i(e,t,r,o),s(e,t,r)},t.validateField=i,t.validateChild=s;var
n=r(6);function i(e,t,r,n){null!=n&&n.validate&&(n.optional&&null==r||n.validate(e,t,r))}function
s(e,t,r){if(null==r)return;const i=n.NODE_PARENT_VALIDATIONS[r.type];i&&i(e,t,r)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){t&&r&&(t[e]=Array.from(new
Set([].concat(t[e],r[e])).filter(Boolean))))},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.merge=function(e,t){const{placeholderWhitelist:r=e.plac
eholderWhitelist,placeholderPattern:n=e.placeholderPattern,preserveComments:i=e.preserveComments,syntacticPla
ceholders:s=e.syntacticPlaceholders}=t;return{parser:Object.assign({},e.parser,t.parser),placeholderWhitelist:r,plac
eholderPattern:n,preserveComments:i,syntacticPlaceholders:s}},t.validate=function(e){if(null!=e&&"object"!=type
of e)throw new Error("Unknown template options.");const
t=e||{}},{placeholderWhitelist:r,placeholderPattern:n,preserveComments:i,syntacticPlaceholders:s}=t,a=function(e,t)
{if(null==e)return{};var r,n,i={},s=Object.keys(e);for(n=0;n<s.length;n++)r=s[n],t.indexOf(r)>=0||(i[r]=e[r]);return
i}(t,["placeholderWhitelist","placeholderPattern","preserveComments","syntacticPlaceholders"]);if(null!=r&&!(r
instanceof Set))throw new Error("\.placeholderWhitelist\` must be a Set, null, or undefined");if(null!=n&&!(n
instanceof RegExp)&&!1!=n)throw new Error("\.placeholderPattern\` must be a RegExp, false, null, or
undefined");if(null!=i&&"boolean"!=typeof i)throw new Error("\.preserveComments\` must be a boolean, null, or
undefined");if(null!=s&&"boolean"!=typeof s)throw new Error("\.syntacticPlaceholders\` must be a boolean, null,
or undefined");if(!0===s&&(null!=r||null!=n))throw new Error("\.placeholderWhitelist\` and \.placeholderPattern\`
aren\`t compatible with \.syntacticPlaceholders: true\`");return{parser:a,placeholderWhitelist:r||void
0,placeholderPattern:null==n?void 0:n,preserveComments:null==i?void 0:i,syntacticPlaceholders:null==s?void
0:s}},t.normalizeReplacements=function(e){if(Array.isArray(e))return
e.reduce((e,t,r)=>({e["$"+r]=t,e}),{});if("object"==typeof e||null==e)return e||void 0;throw new Error("Template
replacements must be an array, object, null, or undefined")},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0});class n{constructor(e,t={}){this.label=void
0,this.keyword=void 0,this.beforeExpr=void 0,this.startsExpr=void 0,this.rightAssociative=void 0,this.isLoop=void
0,this.isAssign=void 0,this.prefix=void 0,this.postfix=void 0,this.binop=void 0,this.updateContext=void
0,this.label=e,this.keyword=t.keyword,this.beforeExpr=!t.beforeExpr,this.startsExpr=!t.startsExpr,this.rightAssoci
ative=!t.rightAssociative,this.isLoop=!t.isLoop,this.isAssign=!t.isAssign,this.prefix=!t.prefix,this.postfix=!t.post
fix,this.binop=null!=t.binop?t.binop:null,this.updateContext=null}}const i=new Map;function
s(e,t={}){t.keyword=e;const r=new n(e,t);return i.set(e,r),r}function a(e,t){return new
n(e,{beforeExpr:!0,binop:t})}const o={num:new n("num",{startsExpr:!0}),bigint:new
n("bigint",{startsExpr:!0}),decimal:new n("decimal",{startsExpr:!0}),regexp:new
n("regexp",{startsExpr:!0}),string:new n("string",{startsExpr:!0}),name:new n("name",{startsExpr:!0}),eof:new
n("eof"),bracketL:new n("[",{beforeExpr:!0,startsExpr:!0}),bracketHashL:new
n("#[",{beforeExpr:!0,startsExpr:!0}),bracketBarL:new n("[",{beforeExpr:!0,startsExpr:!0}),bracketR:new
n("]"),bracketBarR:new n("]"),braceL:new n("{",{beforeExpr:!0,startsExpr:!0}),braceBarL:new
n("{",{beforeExpr:!0,startsExpr:!0}),braceHashL:new n("#",{beforeExpr:!0,startsExpr:!0}),braceR:new
n("}"),braceBarR:new n("}"),parenL:new n("({",{beforeExpr:!0,startsExpr:!0}),parenR:new n(")"),comma:new
n(",",{beforeExpr:!0}),semi:new n(";",{beforeExpr:!0}),colon:new n(":",{beforeExpr:!0}),doubleColon:new
n("::",{beforeExpr:!0}),dot:new n(".",{beforeExpr:!0}),question:new n("?",{beforeExpr:!0}),questionDot:new n("?."),arrow:new
n("=>",{beforeExpr:!0}),template:new n("template"),ellipsis:new n("...",{beforeExpr:!0}),backQuote:new
n("`",{startsExpr:!0}),dollarBraceL:new n("${",{beforeExpr:!0,startsExpr:!0}),at:new n("@"),hash:new
n("#",{startsExpr:!0}),interpreterDirective:new n("#!...",eq:new n("=",{beforeExpr:!0,isAssign:!0}),assign:new
n("_=",{beforeExpr:!0,isAssign:!0}),incDec:new n("++/--",{prefix:!0,postfix:!0,startsExpr:!0}),bang:new
n("!",{beforeExpr:!0,prefix:!0,startsExpr:!0}),tilde:new
n("~",{beforeExpr:!0,prefix:!0,startsExpr:!0}),pipeline:a(">",0),nullishCoalescing:a("??",1),logicalOR:a("||",1),logi
calAND:a("&&",2),bitwiseOR:a("|",3),bitwiseXOR:a("^",4),bitwiseAND:a("&",5),equality:a("==/!=/===/!==",6),re
lational:a("</><=>=",7),bitShift:a("<</>>>",8),plusMin:new n("+/-

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",{beforeExpr:!0,binop:9,prefix:!0,startsExpr:!0}),modulo:new
n("%",{beforeExpr:!0,binop:10,startsExpr:!0}),star:new n("*",{binop:10}),slash:a("/",10),exponent:new
n("**",{beforeExpr:!0,binop:11,rightAssociative:!0}),_break:s("break"),_case:s("case",{beforeExpr:!0}),_catch:s("c
atch"),_continue:s("continue"),_debugger:s("debugger"),_default:s("default",{beforeExpr:!0}),_do:s("do",{isLoop:!
0,beforeExpr:!0}),_else:s("else",{beforeExpr:!0}),_finally:s("finally"),_for:s("for",{isLoop:!0}),_function:s("functio
n",{startsExpr:!0}),_if:s("if"),_return:s("return",{beforeExpr:!0}),_switch:s("switch"),_throw:s("throw",{beforeExp
r:!0,prefix:!0,startsExpr:!0}),_try:s("try"),_var:s("var"),_const:s("const"),_while:s("while",{isLoop:!0}),_with:s("wit
h"),_new:s("new",{beforeExpr:!0,startsExpr:!0}),_this:s("this",{startsExpr:!0}),_super:s("super",{startsExpr:!0}),_c
lass:s("class",{startsExpr:!0}),_extends:s("extends",{beforeExpr:!0}),_export:s("export"),_import:s("import",{starts
Expr:!0}),_null:s("null",{startsExpr:!0}),_true:s("true",{startsExpr:!0}),_false:s("false",{startsExpr:!0}),_in:s("in",{
beforeExpr:!0,binop:7}),_instanceof:s("instanceof",{beforeExpr:!0,binop:7}),_typeof:s("typeof",{beforeExpr:!0,pri
fix:!0,startsExpr:!0}),_void:s("void",{beforeExpr:!0,prefix:!0,startsExpr:!0}),_delete:s("delete",{beforeExpr:!0,prefi
x:!0,startsExpr:!0}),l=\\r\\n|[\\n\\u2028\\u2029]/,c=new RegExp(l.source,"g");function p(e){switch(e){case
10:case 13:case 8232:case 8233:return!0;default:return!1}}const u=(?:\\s|\\V.*|\\V.*^?|\\s|\\V)*/*g;function
d(e){switch(e){case 9:case 11:case 12:case 32:case 160:case 5760:case 8192:case 8193:case 8194:case 8195:case
8196:case 8197:case 8198:case 8199:case 8200:case 8201:case 8202:case 8239:case 8287:case 12288:case
65279:return!0;default:return!1}}class h{constructor(e,t){this.line=void 0,this.column=void
0,this.line=e,this.column=t}}class f{constructor(e,t){this.start=void 0,this.end=void 0,this.filename=void
0,this.identifierName=void 0,this.start=e,this.end=t}}function m(e){return e[e.length-1]}const
y=Object.freeze({AccessorIsGenerator:"A %0ter cannot be a generator",ArgumentsInClass:"`arguments` is only
allowed in functions and class methods",AsyncFunctionInSingleStatementContext:"Async functions can only be
declared at the top level or inside a block",AwaitBindingIdentifier:"Can not use `await` as identifier inside an async
function",AwaitExpressionFormalParameter:"await is not allowed in async function
parameters",AwaitNotInAsyncContext:"`await` is only allowed within async functions and at the top levels of
modules",AwaitNotInAsyncFunction:"`await` is only allowed within async functions",BadGetterArity:"getter must
not have any formal parameters",BadSetterArity:"setter must have exactly one formal
parameter",BadSetterRestParameter:"setter function argument must not be a rest
parameter",ConstructorClassField:"Classes may not have a field named
`constructor`",ConstructorClassPrivateField:"Classes may not have a private field named
`#constructor`",ConstructorIsAccessor:"Class constructor may not be an
accessor",ConstructorIsAsync:"Constructor can't be an async function",ConstructorIsGenerator:"Constructor can't
be a generator",DeclarationMissingInitializer:"%0 require an initialization
value",DecoratorBeforeExport:"Decorators must be placed *before* the `export` keyword. You can set the
`decoratorsBeforeExport` option to false to use the `export @decorator class` syntax",DecoratorConstructor:"Decorators can't be used with a constructor. Did you mean `@dec class { ...
}`?",DecoratorExportClass:"Using the export keyword between a decorator and a class is not allowed. Please use
`export @dec class` instead.",DecoratorSemicolon:"Decorators must not be followed by a
semicolon",DecoratorStaticBlock:"Decorators can't be used with a static block",DeletePrivateField:"Deleting a
private field is not allowed",DestructureNamedImport:"ES2015 named imports do not destructure. Use another
statement for destructuring after the import.",DuplicateConstructor:"Duplicate constructor in the same
class",DuplicateDefaultExport:"Only one default export allowed per module.",DuplicateExport:"`%0` has already
been exported. Exported identifiers must be unique.",DuplicateProto:"Redefinition of `__proto__`
property",DuplicateRegExpFlags:"Duplicate regular expression flag",DuplicateStaticBlock:"Duplicate static block
in the same class",ElementAfterRest:"Rest element must be last element",EscapedCharNotAnIdentifier:"Invalid
Unicode escape",ExportBindingIsString:"A string literal cannot be used as an exported binding without `from`.\\n-
Did you mean `export { %0 as %1 } from `some-module`?",ExportDefaultFromAsIdentifier:"`from` is not
allowed as an identifier after `export default`",ForInOfLoopInitializer:"%0 loop variable declaration may not have
an initializer",GeneratorInSingleStatementContext:"Generators can only be declared at the top level or inside a

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block",IllegalBreakContinue:"Unsyntactic %0",IllegalLanguageModeDirective:"Illegal \use strict\ directive in function with non-simple parameter list",IllegalReturn:"\return\ outside of function",ImportBindingIsString:\A string literal cannot be used as an imported binding.\n- Did you mean `import { "%0" as foo }`?\",ImportCallArgumentTrailingComma:"Trailing comma is disallowed inside import(...)",ImportCallArity:"import() requires exactly %0",ImportCallNotNewExpression:"Cannot use new with import(...)",ImportCallSpreadArgument:"... is not allowed in import()",ImportMetaOutsideModule:"import.meta may appear only with \sourceType: \module\\"",ImportOutsideModule:"\import\ and \export\ may appear only with \sourceType: \module\\"",InvalidBigIntLiteral:"Invalid BigIntLiteral",InvalidCodePoint:"Code point out of bounds",InvalidDecimal:"Invalid decimal",InvalidDigit:"Expected number in radix %0",InvalidEscapeSequence:"Bad character escape sequence",InvalidEscapeSequenceTemplate:"Invalid escape sequence in template",InvalidEscapedReservedWord:"Escape sequence in keyword %0",InvalidIdentifier:"Invalid identifier %0",InvalidLhs:"Invalid left-hand side in %0",InvalidLhsBinding:"Binding invalid left-hand side in %0",InvalidNumber:"Invalid number",InvalidOrMissingExponent:"Floating-point numbers require a valid exponent after the \e\\"",InvalidOrUnexpectedToken:"Unexpected character \\\%0\\"",InvalidParenthesizedAssignment:"Invalid parenthesized assignment pattern",InvalidPrivateFieldResolution:"Private name #%0 is not defined",InvalidPropertyBindingPattern:"Binding member expression",InvalidRecordProperty:"Only properties and spread elements are allowed in record definitions",InvalidRestAssignmentPattern:"Invalid rest operator\`s argument",LabelRedeclaration:"Label \\\%0\` is already declared",LetInLexicalBinding:"\let\` is not allowed to be used as a name in \let\` or \const\` declarations.",LineTerminatorBeforeArrow:"No line break is allowed before \=>\\"",MalformedRegExpFlags:"Invalid regular expression flag",MissingClassName:"A class name is required",MissingEqInAssignment:"Only \=\` operator can be used for specifying default value.",MissingUnicodeEscape:"Expecting Unicode escape sequence \\uXXXX",MixingCoalesceWithLogical:"Nullish coalescing operator(??) requires parens when mixing with logical operators",ModuleAttributeDifferentFromType:"The only accepted module attribute is `type`",ModuleAttributeInvalidValue:"Only string literals are allowed as module attribute values",ModuleAttributesWithDuplicateKeys:\Duplicate key "%0" is not allowed in module attributes\`,ModuleExportNameHasLoneSurrogate:"An export name cannot include a lone surrogate, found \\u%0\\"",ModuleExportUndefined:"Export \\\%0\` is not defined",MultipleDefaultsInSwitch:"Multiple default clauses",NewlineAfterThrow:"Illegal newline after throw",NoCatchOrFinally:"Missing catch or finally clause",NumberIdentifier:"Identifier directly after number",NumericSeparatorInEscapeSequence:"Numeric separators are not allowed inside unicode escape sequences or hex escape sequences",ObsoleteAwaitStar:"await* has been removed from the async functions proposal. Use Promise.all() instead.",OptionalChainingNoNew:"constructors in/after an Optional Chain are not allowed",OptionalChainingNoTemplate:"Tagged Template Literals are not allowed in optionalChain",ParamDupe:"Argument name clash",PatternHasAccessor:"Object pattern can't contain getter or setter",PatternHasMethod:"Object pattern can't contain methods",PipelineBodyNoArrow:\Unexpected arrow "=>" after pipeline body; arrow function in pipeline body must be parenthesized\`,PipelineBodySequenceExpression:"Pipeline body may not be a comma-separated sequence expression",PipelineHeadSequenceExpression:"Pipeline head should not be a comma-separated sequence expression",PipelineTopicUnused:"Pipeline is in topic style but does not use topic reference",PrimaryTopicNotAllowed:"Topic reference was used in a lexical context without topic binding",PrimaryTopicRequiresSmartPipeline:"Primary Topic Reference found but pipelineOperator not passed \smart\` for \proposal\` option.",PrivateInExpectedIn:"Private names are only allowed in property accesses (obj.#%0) or in `in` expressions (`#%0 in obj`)",PrivateNameRedeclaration:"Duplicate private name #%0",RecordExpressionBarIncorrectEndSyntaxType:"Record expressions ending with \}\` are only allowed when the \syntaxType\` option of the \recordAndTuple\` plugin is set to \bar\\"",RecordExpressionBarIncorrectStartSyntaxType:"Record expressions starting with \{\` are only allowed when the \syntaxType\` option of the \recordAndTuple\` plugin is set to

`\bar\'`,RecordExpressionHashIncorrectStartSyntaxType:"Record expressions starting with `\#{\}` are only allowed when the `\syntaxType\` option of the `\recordAndTuple\` plugin is set to `\hash\'`",RecordNoProto:"`__proto__\` is not allowed in Record expressions",RestTrailingComma:"Unexpected trailing comma after rest element",SloppyFunction:"In non-strict mode code, functions can only be declared at top level, inside a block, or as the body of an if statement",StaticPrototype:"Classes may not have static property named prototype",StrictDelete:"Deleting local variable in strict mode",StrictEvalArguments:"Assigning to `\%0\` in strict mode",StrictEvalArgumentsBinding:"Binding `\%0\` in strict mode",StrictFunction:"In strict mode code, functions can only be declared at top level or inside a block",StrictNumericEscape:"The only valid numeric escape in strict mode is `\\|\\|0\'`",StrictOctalLiteral:"Legacy octal literals are not allowed in strict mode",StrictWith:"`\with\` in strict mode",SuperNotAllowed:"super() is only valid inside a class constructor of a subclass. Maybe a typo in the method name (`\constructor\`) or not extending another class?",SuperPrivateField:"Private fields can't be accessed on super",TrailingDecorator:"Decorators must be attached to a class element",TupleExpressionBarIncorrectEndSyntaxType:"Tuple expressions ending with `\|]\` are only allowed when the `\syntaxType\` option of the `\recordAndTuple\` plugin is set to `\bar\'`",TupleExpressionBarIncorrectStartSyntaxType:"Tuple expressions starting with `\[|\` are only allowed when the `\syntaxType\` option of the `\recordAndTuple\` plugin is set to `\bar\'`",TupleExpressionHashIncorrectStartSyntaxType:"Tuple expressions starting with `\#{\}` are only allowed when the `\syntaxType\` option of the `\recordAndTuple\` plugin is set to `\hash\'`",UnexpectedArgumentPlaceholder:"Unexpected argument placeholder",UnexpectedAwaitAfterPipelineBody:"Unexpected `await` after pipeline body; await must have parentheses in minimal proposal",UnexpectedDigitAfterHash:"Unexpected digit after hash token",UnexpectedImportExport:"`\import\` and `\export\` may only appear at the top level",UnexpectedKeyword:"Unexpected keyword `\%0\`",UnexpectedLeadingDecorator:"Leading decorators must be attached to a class declaration",UnexpectedLexicalDeclaration:"Lexical declaration cannot appear in a single-statement context",UnexpectedNewTarget:"new.target can only be used in functions",UnexpectedNumericSeparator:"A numeric separator is only allowed between two digits",UnexpectedPrivateField:"Private names can only be used as the name of a class element (i.e. class C { #p = 42; #m() {} })\n or a property of member expression (i.e. this.#p).",UnexpectedReservedWord:"Unexpected reserved word `\%0\`",UnexpectedSuper:"super is only allowed in object methods and classes",UnexpectedToken:"Unexpected token `\%0\`",UnexpectedTokenUnaryExponentiation:"Illegal expression. Wrap left hand side or entire exponentiation in parentheses.",UnsupportedBind:"Binding should be performed on object property.",UnsupportedDecoratorExport:"A decorated export must export a class declaration",UnsupportedDefaultExport:"Only expressions, functions or classes are allowed as the `default` export.",UnsupportedImport:"import can only be used in import() or import.meta",UnsupportedMetaProperty:"The only valid meta property for %0 is %0.%1",UnsupportedParameterDecorator:"Decorators cannot be used to decorate parameters",UnsupportedPropertyDecorator:"Decorators cannot be used to decorate object literal properties",UnsupportedSuper:"super can only be used with function calls (i.e. super()) or in property accesses (i.e. super.prop or super[prop])",UnterminatedComment:"Unterminated comment",UnterminatedRegExp:"Unterminated regular expression",UnterminatedString:"Unterminated string constant",UnterminatedTemplate:"Unterminated template",VarRedeclaration:"Identifier `\%0\` has already been declared",YieldBindingIdentifier:"Can not use `\yield\` as identifier inside a generator",YieldInParameter:"Yield expression is not allowed in formal parameters",ZeroDigitNumericSeparator:"Numeric separator can not be used after leading 0");function T(e){return null!=e&&"Property"===e.type&&"init"===e.kind&&!1===e.method}class b{constructor(e,t,r,n){this.token=void 0,this.isExpr=void 0,this.preserveSpace=void 0,this.override=void 0,this.token=e,this.isExpr=!t,this.preserveSpace=!r,this.override=n}const g={braceStatement:new b("{",!1),braceExpression:new b("{",!0),recordExpression:new b("#{",!0),templateQuasi:new b("\${",!1),parenStatement:new b("(",!1),parenExpression:new b("(",!0),template:new b("`",!0,!0,e=>e.readTplToken()),functionExpression:new b("function",!0),functionStatement:new

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b("function",!1)};o.parenR.updateContext=o.braceR.updateContext=function(){if(1===this.state.context.length)retu
rn void(this.state.exprAllowed=!0);let
e=this.state.context.pop();e===g.braceStatement&&"function"===this.curContext().token&&(e=this.state.context.p
op()),this.state.exprAllowed=!e.isExpr},o.name.updateContext=function(e){let
t=!1;e!==o.dot&&("of"!==this.state.value||this.state.exprAllowed||e===o._function||e===o._class||(t=!0)),this.state.e
xprAllowed=t,this.state.isIterator&&(this.state.isIterator=!1)},o.braceL.updateContext=function(e){this.state.contex
t.push(this.braceIsBlock(e)?g.braceStatement:g.braceExpression),this.state.exprAllowed=!0},o.dollarBraceL.update
Context=function(){this.state.context.push(g.templateQuasi),this.state.exprAllowed=!0},o.parenL.updateContext=fu
nction(e){const
t=e===o._if||e===o._for||e===o._with||e===o._while;this.state.context.push(t?g.parenStatement:g.parenExpression)
,this.state.exprAllowed=!0},o.incDec.updateContext=function(){},o._function.updateContext=o._class.updateConte
xt=function(e){!e.beforeExpr||e===o.semi||e===o._else||e===o._return&&this.hasPrecedingLineBreak()||(e===o.col
on||e===o.braceL)&&this.curContext()===g.b_stat?this.state.context.push(g.functionStatement):this.state.context.p
ush(g.functionExpression),this.state.exprAllowed=!1},o.backQuote.updateContext=function(){this.curContext()===
g.template?this.state.context.pop():this.state.context.push(g.template),this.state.exprAllowed=!1},o.braceHashL.upd
ateContext=function(){this.state.context.push(g.recordExpression),this.state.exprAllowed=!0};let S="ªµ°À-ÖØ-öø-^-
-----",x="-----";const
E=new RegExp("[+S+]"),P=new RegExp("[+S+x+]");S=x=null;const
v=[0,11,2,25,2,18,2,1,2,14,3,13,35,122,70,52,268,28,4,48,48,31,14,29,6,37,11,29,3,35,5,7,2,4,43,157,19,35,5,35,5,3
9,9,51,157,310,10,21,11,7,153,5,3,0,2,43,2,1,4,0,3,22,11,22,10,30,66,18,2,1,11,21,11,25,71,55,7,1,65,0,16,3,2,2,2,2
8,43,28,4,28,36,7,2,27,28,53,11,21,11,18,14,17,111,72,56,50,14,50,14,35,349,41,7,1,79,28,11,0,9,21,107,20,28,22,1
3,52,76,44,33,24,27,35,30,0,3,0,9,34,4,0,13,47,15,3,22,0,2,0,36,17,2,24,85,6,2,0,2,3,2,14,2,9,8,46,39,7,3,1,3,21,2,6,
2,1,2,4,4,0,19,0,13,4,159,52,19,3,21,2,31,47,21,1,2,0,185,46,42,3,37,47,21,0,60,42,14,0,72,26,230,43,117,63,32,7,3,
0,3,7,2,1,2,23,16,0,2,0,95,7,3,38,17,0,2,0,29,0,11,39,8,0,22,0,12,45,20,0,35,56,264,8,2,36,18,0,50,29,113,6,2,1,2,37,
22,0,26,5,2,1,2,31,15,0,328,18,190,0,80,921,103,110,18,195,2749,1070,4050,582,8634,568,8,30,114,29,19,47,17,3,
32,20,6,18,689,63,129,74,6,0,67,12,65,1,2,0,29,6135,9,1237,43,8,8952,286,50,2,18,3,9,395,2309,106,6,12,4,8,8,9,5
991,84,2,70,2,1,3,0,3,1,3,3,2,11,2,0,2,6,2,64,2,3,3,7,2,6,2,27,2,3,2,4,2,0,4,6,2,339,3,24,2,24,2,30,2,24,2,30,2,24,2,30
,2,24,2,30,2,24,2,7,2357,44,11,6,17,0,370,43,1301,196,60,67,8,0,1205,3,2,26,2,1,2,0,3,0,2,9,2,3,2,0,2,0,7,0,5,0,2,0,2
,0,2,2,2,1,2,0,3,0,2,0,2,0,2,0,2,1,2,0,3,3,2,6,2,3,2,3,2,0,2,9,2,16,6,2,2,4,2,16,4421,42717,35,4148,12,221,3,5761,
15,7472,3104,541,1507,4938],A=[509,0,227,0,150,4,294,9,1368,2,2,1,6,3,41,2,5,0,166,1,574,3,9,9,370,1,154,10,17
6,2,54,14,32,9,16,3,46,10,54,9,7,2,37,13,2,9,6,1,45,0,13,2,49,13,9,3,2,11,83,11,7,0,161,11,6,9,7,3,56,1,2,6,3,1,3,2,1
0,0,11,1,3,6,4,4,193,17,10,9,5,0,82,19,13,9,214,6,3,8,28,1,83,16,16,9,82,12,9,9,84,14,5,9,243,14,166,9,71,5,2,1,3,3,
2,0,2,1,13,9,120,6,3,6,4,0,29,9,41,6,2,3,9,0,10,10,47,15,406,7,2,7,17,9,57,21,2,13,123,5,4,0,2,1,2,6,2,0,9,9,49,4,2,1,
2,4,9,9,330,3,19306,9,135,4,60,6,26,9,1014,0,2,54,8,3,82,0,12,1,19628,1,5319,4,4,5,9,7,3,6,31,3,149,2,1418,49,513,
54,5,49,9,0,15,0,23,4,2,14,1361,6,2,16,3,6,2,1,2,4,262,6,10,9,419,13,1495,6,110,6,6,9,4759,9,787719,239];function
w(e,t){let r=65536;for(let
n=0,i=t.length;n<i;n+=2){if(r+=t[n],r>e)return!1;if(r+=t[n+1],r>=e)return!0}return!1}function O(e){return
e<65?36===e:e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&E.test(String.fromCharCode(e)):w(e,v)))}funct
ion I(e){return
e<48?36===e:e<58||!(e<65)&&(e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&P.test(String.fromCharCode
(e)):w(e,v)||w(e,A)))}const
C=["implements","interface","let","package","private","protected","public","static","yield"],N=["eval","arguments"]
,k=new
Set(["break","case","catch","continue","debugger","default","do","else","finally","for","function","if","return","swit
ch","throw","try","var","const","while","with","new","this","super","class","extends","export","import","null","true"
,"false","in","instanceof","typeof","void","delete"]),D=new Set(C),_=new Set(N);function L(e,t){return

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t&&"await"===e||"enum"===e}function M(e,t){return L(e,t)||D.has(e)}function j(e){return _.has(e)}function
F(e,t){return M(e,t)||j(e)}function R(e){return k.has(e)}const B=~/^in(stanceof)?$/;const U=new
Set(["_","any","bool","boolean","empty","extends","false","interface","mixed","null","number","static","string","tru
e","typeof","void"]),V=Object.freeze({AmbiguousConditionalArrow:"Ambiguous expression: wrap the arrow
functions in parentheses to disambiguate.",AmbiguousDeclareModuleKind:"Found both `declare module.exports`
and `declare export` in the same module. Modules can only have 1 since they are either an ES module or they are a
CommonJS module",AssignReservedType:"Cannot overwrite reserved type %0",DeclareClassElement:"The
`declare` modifier can only appear on class fields.",DeclareClassFieldInitializer:"Initializers are not allowed in fields
with the `declare` modifier.",DuplicateDeclareModuleExports:"Duplicate `declare module.exports`
statement",EnumBooleanMemberNotInitialized:"Boolean enum members need to be initialized. Use either `%0 =
true,` or `%0 = false,` in enum `%1`.",EnumDuplicateMemberName:"Enum member names need to be unique, but
the name `%0` has already been used before in enum `%1`.",EnumInconsistentMemberValues:"Enum `%0` has
inconsistent member initializers. Either use no initializers, or consistently use literals (either booleans, numbers, or
strings) for all member initializers.",EnumInvalidExplicitType:"Enum type `%1` is not valid. Use one of `boolean`,
`number`, `string`, or `symbol` in enum `%0`.",EnumInvalidExplicitTypeUnknownSupplied:"Supplied enum type is
not valid. Use one of `boolean`, `number`, `string`, or `symbol` in enum
`%0`.",EnumInvalidMemberInitializerPrimaryType:"Enum `%0` has type `%2`, so the initializer of `%1` needs to
be a %2 literal.",EnumInvalidMemberInitializerSymbolType:"Symbol enum members cannot be initialized. Use
`%1,` in enum `%0`.",EnumInvalidMemberInitializerUnknownType:"The enum member initializer for `%1` needs
to be a literal (either a boolean, number, or string) in enum `%0`.",EnumInvalidMemberName:"Enum member
names cannot start with lowercase `a` through `z`. Instead of using `%0`, consider using `%1`, in enum
`%2`.",EnumNumberMemberNotInitialized:"Number enum members need to be initialized, e.g. `%1 = 1` in enum
`%0`.",EnumStringMemberInconsistentlyInitailized:"String enum members need to consistently either all use
initializers, or use no initializers, in enum `%0`.",ImportTypeShorthandOnlyInPureImport:"The `type` and `typeof`
keywords on named imports can only be used on regular `import` statements. It cannot be used with `import type` or
`import typeof` statements",InexactInsideExact:"Explicit inexact syntax cannot appear inside an explicit exact object
type",InexactInsideNonObject:"Explicit inexact syntax cannot appear in class or interface
definitions",InexactVariance:"Explicit inexact syntax cannot have
variance",InvalidNonTypeImportInDeclareModule:"Imports within a `declare module` body must always be `import
type` or `import typeof`",MissingTypeParamDefault:"Type parameter declaration needs a default, since a preceding
type parameter declaration has a default.",NestedDeclareModule:"`declare module` cannot be used inside another
`declare module`",NestedFlowComment:"Cannot have a flow comment inside another flow
comment",OptionalBindingPattern:"A binding pattern parameter cannot be optional in an implementation
signature.",SpreadVariance:"Spread properties cannot have variance",TypeBeforeInitializer:"Type annotations must
come before default assignments, e.g. instead of `age = 25: number` use `age: number =
25`",TypeCastInPattern:"The type cast expression is expected to be wrapped with
parenthesis",UnexpectedExplicitInexactInObject:"Explicit inexact syntax must appear at the end of an inexact
object",UnexpectedReservedType:"Unexpected reserved type %0",UnexpectedReservedUnderscore:"`_` is only
allowed as a type argument to call or new",UnexpectedSpaceBetweenModuloChecks:"Spaces between `%` and
`checks` are not allowed here.",UnexpectedSpreadType:"Spread operator cannot appear in class or interface
definitions",UnexpectedSubtractionOperand:"Unexpected token, expected "number" or
"bigint`",UnexpectedTokenAfterTypeParameter:"Expected an arrow function after this type parameter
declaration",UnexpectedTypeParameterBeforeAsyncArrowFunction:"Type parameters must come after the async
keyword, e.g. instead of `

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var",let:"declare export var",type:"export type",interface:"export interface"};const
W=/\|*\?*\s*((?:no)?flow)\|b/;const
X={quot:"\"",amp:"&",apos:"'",lt:"<",gt:">",nbsp:" ",iexcl:"!",cent:"¢",pound:"£",curren:"¤",yen:"¥",brvbar:"¦",sect:
"§",uml:"¨",copy:"©",ordf:"ª",laquo:"«",not:"¬",shy:"-",reg:"®",macr:"¯",deg:"°",plusmn:"±",sup2:"²",sup3:"³",acute:
"´",micro:"µ",para:"¶",middot:"·",cedil:"¸",sup1:"¹",ordm:"ª",raquo:"»",frac14:"¼",frac12:"½",frac34:"¾",quest:"¿",
Agrave:"À",Aacute:"Á",Acirc:"Â",Atilde:"Ã",Auml:"Ä",Aring:"Å",Aelig:"Æ",Ccedil:"Ç",Egrave:"È",Eacute:"É",
Ecirc:"Ê",Euml:"Ë",Igrave:"Ì",Iacute:"Í",Icirc:"Î",Iuml:"Ï",ETH:"Ð",Ntilde:"Ñ",Ograve:"Ò",Oacute:"Ó",Ocirc:"Ô",
Otilde:"Õ",Ouml:"Ö",times:"×",Oslash:"Ø",Ugrave:"Ù",Uacute:"Ú",Ucirc:"Û",Uuml:"Ü",Yacute:"Ý",THORN:"Þ",
szlig:"ß",agrave:"à",acute:"á",acirc:"â",atilde:"ã",auml:"ä",aring:"å",aelig:"æ",ccedil:"ç",egrave:"è",eacute:"é",ecirc:
"ê",euml:"ë",igrave:"ì",iacute:"í",icirc:"î",iuml:"ï",eth:"ð",ntilde:"ñ",ograve:"ò",oacute:"ó",ocirc:"ô",otilde:"õ",ouml:
"ö",divide:"÷",oslash:"ø",ugrave:"ù",uacute:"ú",ucirc:"û",uuml:"ü",yacute:"ý",thorn:"þ",yuml:"ÿ",OElig:"Œ",oelig:
"œ",Scaron:"Š",scaron:"š",Yuml:"Ÿ",fnof:"ƒ",circ:"ˆ",tilde:"~",Alpha:"",Beta:"",Gamma:"",Delta:"",Epsilon:"",Zeta:
"",Eta:"",Theta:"",Iota:"",Kappa:"",Lambda:"",Mu:"",Nu:"",Xi:"",Omicron:"",Pi:"",Rho:"",Sigma:"",Tau:"",Upsilon:
"",Phi:"",Chi:"",Psi:"",Omega:"",alpha:"",beta:"",gamma:"",delta:"",epsilon:"",zeta:"",eta:"",theta:"",iota:"",kappa:
"",lambda:"",mu:"",nu:"",xi:"",omicron:"",pi:"",rho:"",sigma:"",tau:"",upsilon:"",phi:"",chi:"",psi:"",omega:
"",thetasym:"",upsih:"",piv:"",ensp:"",emsp:"",thinsp:
",zwnj:"",zwj:"",lrm:"",rlm:"",ndash:"–",mdash:"—",lsquo:"‘",rsquo:"’",sbquo:"‚",ldquo:"“",rdquo:"”",bdquo:"„",da
gger:"‡",Dagger:"‡",bull:"•",hellip:"…",permil:"‰",prime:"",Prime:"",lsquo:"‘",rsaquo:"’",oline:"",frac:"",euro:"€",
,image:"",weierp:"",real:"",trade:"™",alefsym:"",larr:"",uarr:"",rarr:"",darr:"",harr:"",crarr:"",lArr:"",uArr:"
",dArr:"",hArr:"",forall:"",part:"",exist:"",empty:"",nabla:"",isin:"",notin:"",ni:"",prod:"",sum:"",minus:"",lowast:"",r
adic:"",prop:"",infin:"",ang:"",and:"",or:"",cap:"",cup:"",int:"",there4:"",sim:"",cong:"",asymp:"",ne:"",equiv:"",le:"",
ge:"",sub:"",sup:"",nsup:"",sube:"",supe:"",oplus:"",otimes:"",perp:"",sdot:"",lceil:"",rceil:"",lfloor:"",rfloor:"",lang:
"",rang:"",loz:"",spades:"",clubs:"",hearts:"",diams:""},J=/^\[\\da-fA-
F]+$/;H=/^\[d+$/;G=Object.freeze({AttributeIsEmpty:"JSX attributes must only be assigned a non-empty
expression",MissingClosingTagFragment:"Expected corresponding JSX closing tag for
<>",MissingClosingTagElement:"Expected corresponding JSX closing tag for <%0>",UnsupportedJsxValue:"JSX
value should be either an expression or a quoted JSX text",UnterminatedJsxContent:"Unterminated JSX
contents",UnwrappedAdjacentJSXElements:"Adjacent JSX elements must be wrapped in an enclosing tag. Did you
want a JSX fragment <>...</>?");function
z(e){return!e&&("JSXOpeningFragment"===e.type||"JSXClosingFragment"===e.type)}function
$(e){if("JSXIdentifier"===e.type)return e.name;if("JSXNamespacedName"===e.type)return
e.namespace.name+"."+e.name.name;if("JSXMemberExpression"===e.type)return
$(e.object)+"."+$(e.property);throw new Error("Node had unexpected type: "+e.type)}g.j_oTag=new
b("<tag",!1),g.j_cTag=new b("</tag",!1),g.j_expr=new b("<tag>...</tag>",!0,!0),o.jsxName=new
n("jsxName"),o.jsxText=new n("jsxText",{beforeExpr:!0}),o.jsxTagStart=new
n("jsxTagStart",{startsExpr:!0}),o.jsxTagEnd=new
n("jsxTagEnd"),o.jsxTagStart.updateContext=function(){this.state.context.push(g.j_expr),this.state.context.push(g.j
_oTag),this.state.exprAllowed=!1},o.jsxTagEnd.updateContext=function(e){const
t=this.state.context.pop();t===g.j_oTag&&e===o.slash|t===g.j_cTag?(this.state.context.pop(),this.state.exprAllow
ed=this.curContext()===g.j_expr):this.state.exprAllowed=!0};class Q{constructor(e){this.flags=void
0,this.var=[],this.lexical=[],this.functions=[],this.flags=e}class
Z{constructor(e,t){this.scopeStack=[],this.undefinedExports=new Map,this.undefinedPrivateNames=new
Map,this.raise=e,this.inModule=t}get inFunction(){return(2&this.currentVarScope().flags)>0}get
allowSuper(){return(16&this.currentThisScope().flags)>0}get
allowDirectSuper(){return(32&this.currentThisScope().flags)>0}get
inClass(){return(64&this.currentThisScope().flags)>0}get
inNonArrowFunction(){return(2&this.currentThisScope().flags)>0}get treatFunctionsAsVar(){return
this.treatFunctionsAsVarInScope(this.currentScope())}createScope(e){return new

```

```

Q(e)}enter(e){this.scopeStack.push(this.createScope(e))}exit(){this.scopeStack.pop()}treatFunctionsAsVarInScope(
e){return!!(2&&e.flags||!this.inModule&&1&&e.flags)}declareName(e,t,r){let
n=this.currentScope();if(8&&t|16&&t)this.checkRedeclarationInScope(n,e,t,r),16&&t?n.functions.push(e):n.lexical.push(
e),8&&t&&this.maybeExportDefined(n,e);else if(4&&t)for(let i=this.scopeStack.length-
1;i>=0&&(n=this.scopeStack[i],this.checkRedeclarationInScope(n,e,t,r),n.var.push(e),this.maybeExportDefined(n,e)
,!(!131&&n.flags));--
i);this.inModule&&1&&n.flags&&this.undefinedExports.delete(e)}maybeExportDefined(e,t){this.inModule&&1&&e.f
lags&&this.undefinedExports.delete(t)}checkRedeclarationInScope(e,t,r,n){this.isRedeclaredInScope(e,t,r)&&this.r
aise(n,y.VarRedeclaration,t)}isRedeclaredInScope(e,t,r){return!!(1&&r)&&(8&&r?e.lexical.indexOf(t)>-
1||e.functions.indexOf(t)>-1||e.var.indexOf(t)>-1:16&&r?e.lexical.indexOf(t)>-
1||!this.treatFunctionsAsVarInScope(e)&&e.var.indexOf(t)>-1:e.lexical.indexOf(t)>-
1&&!(!8&&e.flags&&e.lexical[0]==t)||!this.treatFunctionsAsVarInScope(e)&&e.functions.indexOf(t)>-
1)}checkLocalExport(e){-1===this.scopeStack[0].lexical.indexOf(e.name)&&-
1===this.scopeStack[0].var.indexOf(e.name)&&-
1===this.scopeStack[0].functions.indexOf(e.name)&&this.undefinedExports.set(e.name,e.start)}currentScope(){ret
urn this.scopeStack[this.scopeStack.length-1]}currentVarScope(){for(let e=this.scopeStack.length-1;;e--){const
t=this.scopeStack[e];if(131&&t.flags)return t}}currentThisScope(){for(let e=this.scopeStack.length-1;;e--){const
t=this.scopeStack[e];if((131&&t.flags|64&&t.flags)&&!(!4&&t.flags))return t}}class ee extends
Q{constructor(...e){super(...e),this.types=[],this.enums=[],this.constEnums=[],this.classes=[],this.exportOnlyBindin
gs=[]}}class te extends Z{createScope(e){return new ee(e)}declareName(e,t,r){const
n=this.currentScope();if(1024&&t)return this.maybeExportDefined(n,e),void
n.exportOnlyBindings.push(e);super.declareName(...arguments),2&&t&&(1&&t||!(this.checkRedeclarationInScope(n,e,t
,r),this.maybeExportDefined(n,e),n.types.push(e)),256&&t&&n.enums.push(e),512&&t&&n.constEnums.push(e),128
&&t&&n.classes.push(e)}isRedeclaredInScope(e,t,r){if(e.enums.indexOf(t)>-
1){if(256&&r){return!!(512&&r)!==e.constEnums.indexOf(t)>-1}return!0}return 128&&r&&e.classes.indexOf(t)>-
1?e.lexical.indexOf(t)>-1&&!(!1&&r):!(2&&r&&e.types.indexOf(t)>-
1)||super.isRedeclaredInScope(...arguments)}checkLocalExport(e){-
1===this.scopeStack[0].types.indexOf(e.name)&&-
1===this.scopeStack[0].exportOnlyBindings.indexOf(e.name)&&super.checkLocalExport(e)}class
re{constructor(){this.stacks=[]}enter(e){this.stacks.push(e)}exit(){this.stacks.pop()}currentFlags(){return
this.stacks[this.stacks.length-1]}get hasAwait(){return(2&&this.currentFlags())>0}get
hasYield(){return(1&&this.currentFlags())>0}get hasReturn(){return(4&&this.currentFlags())>0}get
hasIn(){return(8&&this.currentFlags())>0}}function ne(e,t){return(e?2:0)|(t?1:0)}function ie(e){if(null===e)throw new
Error(`Unexpected ${e} value.`);return e}function se(e){if(!e)throw new Error("Assert fail")}const
ae=Object.freeze({ClassMethodHasDeclare:"Class methods cannot have the `declare`
modifier",ClassMethodHasReadOnly:"Class methods cannot have the `readonly`
modifier",ConstructorHasTypeParameters:"Type parameters cannot appear on a constructor
declaration.",DeclareClassFieldHasInitializer:"Initializers are not allowed in ambient
contexts.",DeclareFunctionHasImplementation:"An implementation cannot be declared in ambient
contexts.",DuplicateModifier:"Duplicate modifier: '%0'",EmptyHeritageClauseType:"'%0' list cannot be
empty.",EmptyTypeArguments:"Type argument list cannot be empty.",EmptyTypeParameters:"Type parameter list
cannot be empty.",IndexSignatureHasAbstract:"Index signatures cannot have the `abstract`
modifier",IndexSignatureHasAccessibility:"Index signatures cannot have an accessibility modifier
('%0')",IndexSignatureHasStatic:"Index signatures cannot have the `static`
modifier",IndexSignatureHasDeclare:"Index signatures cannot have the `declare`
modifier",InvalidTupleMemberLabel:"Tuple members must be labeled with a simple
identifier.",MixedLabeledAndUnlabeledElements:"Tuple members must all have names or all not have
names.",OptionalTypeBeforeRequired:"A required element cannot follow an optional

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element.",PatternIsOptional:"A binding pattern parameter cannot be optional in an implementation signature.",PrivateElementHasAbstract:"Private elements cannot have the `abstract` modifier.",PrivateElementHasAccessibility:"Private elements cannot have an accessibility modifier (`%0`)",TypeAnnotationAfterAssign:"Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`",UnexpectedParameterModifier:"A parameter property is only allowed in a constructor implementation.",UnexpectedReadOnly:"`readonly` type modifier is only permitted on array and tuple literal types.",UnexpectedTypeAnnotation:"Did not expect a type annotation here.",UnexpectedTypeCastInParameter:"Unexpected type cast in parameter position.",UnsupportedImportTypeArgument:"Argument in a type import must be a string literal",UnsupportedParameterPropertyKind:"A parameter property may not be declared using a binding pattern.",UnsupportedSignatureParameterKind:"Name in a signature must be an Identifier, ObjectPattern or ArrayPattern, instead got %0"};o.placeholder=new n("%%",{startsExpr:!0});function oe(e,t){return e.some(e=>Array.isArray(e)?e[0]===t:e===t)}function le(e,t,r){const n=e.find(e=>Array.isArray(e)?e[0]===t:e===t);return n&&Array.isArray(n)?n[1][r]:null}const ce=["minimal","smart","fsharp"],pe=["hash","bar"];const ue={estree:e=>class extends e{estreeParseRegExpLiteral({pattern:e,flags:t}){let r=null;try{r=new RegExp(e,t)}catch(e){}const n=this.estreeParseLiteral(r);return n.regex={pattern:e,flags:t},n}estreeParseBigIntLiteral(e){const t="undefined"!==typeof BigInt?BigInt(e):null,r=this.estreeParseLiteral(t);return r.bigint=String(r.value|e),r}estreeParseDecimalLiteral(e){const t=this.estreeParseLiteral(null);return t.decimal=String(t.value|e),t}estreeParseLiteral(e){return this.parseLiteral(e,"Literal")}directiveToStmt(e){const t=e.value,r=this.startNodeAt(e.start,e.loc.start),n=this.startNodeAt(t.start,t.loc.start);return n.value=t.value,n.raw=t.extra.raw,r.expression=this.finishNodeAt(n,"Literal",t.end,t.loc.end),r.directive=t.extra.raw.slice(1,-1),this.finishNodeAt(r,"ExpressionStatement",e.end,e.loc.end)}initFunction(e,t){super.initFunction(e,t),e.expression=!1}checkDeclaration(e){T(e)?this.checkDeclaration(e.value):super.checkDeclaration(e)}getObjectOrClassMethodParams(e){return e.value.params}checkLVal(e,t=64,r,n,i){switch(e.type){case"ObjectPattern":e.properties.forEach(e=>{this.checkLVal("Property"===e.type?e.value:e,t,r,"object destructuring pattern",i)});break;default:super.checkLVal(e,t,r,n,i)}checkProto(e,t,r,n){e.method||super.checkProto(e,t,r,n)}isValidDirective(e){var t;return"ExpressionStatement"===e.type&&"Literal"===e.expression.type&&"string"===typeof e.expression.value&&!(null==(t=e.expression.extra)?void 0:t.parenthesized)}stmtToDirective(e){const t=super.stmtToDirective(e),r=e.expression.value;return t.value.value=r,t}parseBlockBody(e,t,r,n){super.parseBlockBody(e,t,r,n);const i=e.directives.map(e=>this.directiveToStmt(e));e.body=i.concat(e.body),delete e.directives}pushClassMethod(e,t,r,n,i,s){this.parseMethod(t,r,n,i,s,"ClassMethod",!0),t.typeParameters&&(t.value.typeParameters=t.typeParameters,delete t.typeParameters),e.body.push(t)}parseExprAtom(e){switch(this.state.type){case o.num:case o.string:return this.estreeParseLiteral(this.state.value);case o.regexp:return this.estreeParseRegExpLiteral(this.state.value);case o.bigint:return this.estreeParseBigIntLiteral(this.state.value);case o.decimal:return this.estreeParseDecimalLiteral(this.state.value);case o._null:return this.estreeParseLiteral(null);case o._true:return this.estreeParseLiteral(!0);case o._false:return this.estreeParseLiteral(!1);default:return super.parseExprAtom(e)}parseLiteral(e,t,r,n){const i=super.parseLiteral(e,t,r,n);return i.raw=i.extra.raw,delete i.extra,i}parseFunctionBody(e,t,r=!1){super.parseFunctionBody(e,t,r),e.expression="BlockStatement"!==e.body.type}parseMethod(e,t,r,n,i,s,a=!1){let o=this.startNode();return o.kind=e.kind,o=super.parseMethod(o,t,r,n,i,s,a),o.type="FunctionExpression",delete o.kind,e.value=o,s="ClassMethod"===s?"MethodDefinition":s,this.finishNode(e,s)}parseObjectMethod(e,t,r,n,i){const s=super.parseObjectMethod(e,t,r,n,i);return s&&(s.type="Property","method"===s.kind&&(s.kind="init"),s.shorthand=!1),s}parseObjectProperty(e,t,r,n,i){const

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t s=super.parseObjectProperty(e,t,r,n,i);return s&&(s.kind="init",s.type="Property"),s}toAssignable(e){return
T(e)?(this.toAssignable(e.value),e):super.toAssignable(e)}toAssignableObjectExpressionProp(e,t){if("get"===e.kind||"set"===e.kind)throw this.raise(e.key.start,y.PatternHasAccessor);if(e.method)throw
this.raise(e.key.start,y.PatternHasMethod);super.toAssignableObjectExpressionProp(e,t)}finishCallExpression(e,t){r
eturn
super.finishCallExpression(e,t),"Import"===e.callee.type&&(e.type="ImportExpression",e.source=e.arguments[0],d
elete e.arguments,delete
e.callee,e)}toReferencedArguments(e){"ImportExpression"!==e.type&&super.toReferencedArguments(e)}parseEx
port(e){switch(super.parseExport(e),e.type){case"ExportAllDeclaration":e.exported=null;break;case"ExportNamed
Declaration":l===e.specifiers.length&&"ExportNamespaceSpecifier"===e.specifiers[0].type&&(e.type="ExportAll
Declaration",e.exported=e.specifiers[0].exported,delete e.specifiers)}return e}parseSubscript(e,t,r,n,i){const
s=super.parseSubscript(e,t,r,n,i);if(i.optionalChainMember){if("OptionalMemberExpression"!==s.type&&"Optional
CallExpression"!==s.type||(s.type=s.type.substring(8),i.stop){const e=this.startNodeAtNode(s);return
e.expression=s,this.finishNode(e,"ChainExpression")}}else"MemberExpression"!==s.type&&"CallExpression"!==s
.type||(s.optional=!1);return s}}jsx:e=>class extends e{jsxReadToken(){let
e="",t=this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,G.UnterminatedJsxContent);const r=this.input.charCodeAtAt(this.state.pos);switch(r){case
60:case 123:return
this.state.pos===this.state.start?60===r&&this.state.exprAllowed?(++this.state.pos,this.finishToken(o.jsxTagStart))
:super.getTokenFromCode(r):(e+=this.input.slice(t,this.state.pos),this.finishToken(o.jsxText,e));case
38:e+=this.input.slice(t,this.state.pos),e+=this.jsxReadEntity(),t=this.state.pos;break;default:p(r)?(e+=this.input.slice
(t,this.state.pos),e+=this.jsxReadNewLine(!0),t=this.state.pos):++this.state.pos}}jsxReadNewLine(e){const
t=this.input.charCodeAtAt(this.state.pos);let
r;return++this.state.pos,13===t&&10===this.input.charCodeAtAt(this.state.pos)?(++this.state.pos,r=e?"\n":"\r\n"):r
=String.fromCharCode(t),++this.state.curLine,this.state.lineStart=this.state.pos,r}jsxReadString(e){let
t="",r=++this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,y.UnterminatedString);const
n=this.input.charCodeAtAt(this.state.pos);if(n===e)break;38===n?(t+=this.input.slice(r,this.state.pos),t+=this.jsxRead
Entity(),r=this.state.pos):p(n)?(t+=this.input.slice(r,this.state.pos),t+=this.jsxReadNewLine(!1),r=this.state.pos):++th
is.state.pos}return t+=this.input.slice(r,this.state.pos++),this.finishToken(o.string,t)}jsxReadEntity(){let
e,t="",r=0,n=this.input[this.state.pos];const
i=++this.state.pos;for(;this.state.pos<this.length&&r++<10;){if(n=this.input[this.state.pos++],","===n){#"===t[0]?
"x"===t[1]?(t=t.substr(2),J.test(t)&&(e=String.fromCharCode(parseInt(t,16))):(t=t.substr(1),H.test(t)&&(e=String.
fromCharCode(parseInt(t,10)))):e=X[t];break}t+=n}return e||(this.state.pos=i,"&")}jsxReadWord(){let e;const
t=this.state.pos;do{e=this.input.charCodeAtAt(++this.state.pos)}while(!e||45===e);return
this.finishToken(o.jsxName,this.input.slice(t,this.state.pos))}jsxParseIdentifier(){const e=this.startNode();return
this.match(o.jsxName)?e.name=this.state.value:this.state.type.keyword?e.name=this.state.type.keyword:this.unexpe
cted(),this.next(),this.finishNode(e,"JSXIdentifier")}jsxParseNamespacedName(){const
e=this.state.start,t=this.state.startLoc,r=this.jsxParseIdentifier();if(!this.eat(o.colon))return r;const
n=this.startNodeAt(e,t);return
n.namespace=r,n.name=this.jsxParseIdentifier(),this.finishNode(n,"JSXNamespacedName")}jsxParseElementName
(){const e=this.state.start,t=this.state.startLoc;let
r=this.jsxParseNamespacedName();if("JSXNamespacedName"===r.type)return r;for(;this.eat(o.dot);){const
n=this.startNodeAt(e,t);n.object=r,n.property=this.jsxParseIdentifier(),r=this.finishNode(n,"JSXMemberExpression"
)}return r}jsxParseAttributeValue(){let e;switch(this.state.type){case o.braceL:return
e=this.startNode(),this.next(),e=this.jsxParseExpressionContainer(e),"JSXEmptyExpression"===e.expression.type&
&this.raise(e.start,G.AttributeIsEmpty),e;case o.jsxTagStart:case o.string:return this.parseExprAtom();default:throw
this.raise(this.state.start,G.UnsupportedJsxValue)}jsxParseEmptyExpression(){const

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e=this.startNodeAt(this.state.lastTokEnd,this.state.lastTokEndLoc);return
this.finishNodeAt(e,"JSXEmptyExpression",this.state.start,this.state.startLoc)}jsxParseSpreadChild(e){return
this.next(),e.expression=this.parseExpression(),this.expect(o.braceR),this.finishNode(e,"JSXSpreadChild")}jsxParse
ExpressionContainer(e){return
this.match(o.braceR)?e.expression=this.jsxParseEmptyExpression():e.expression=this.parseExpression(),this.expect(
o.braceR),this.finishNode(e,"JSXExpressionContainer")}jsxParseAttribute(){const e=this.startNode();return
this.eat(o.braceL)?(this.expect(o.ellipsis),e.argument=this.parseMaybeAssignAllowIn(),this.expect(o.braceR),this.fi
nishNode(e,"JSXSpreadAttribute")):(e.name=this.jsxParseNamespacedName(),e.value=this.eat(o.eq)?this.jsxParseA
ttributeValue():null,this.finishNode(e,"JSXAttribute"))}jsxParseOpeningElementAt(e,t){const
r=this.startNodeAt(e,t);return
this.match(o.jsxTagEnd)?(this.expect(o.jsxTagEnd),this.finishNode(r,"JSXOpeningFragment")):(r.name=this.jsxPar
seElementName(),this.jsxParseOpeningElementAfterName(r))}jsxParseOpeningElementAfterName(e){const
t=[];for(;!this.match(o.slash)&&!this.match(o.jsxTagEnd);)t.push(this.jsxParseAttribute());return
e.attributes=t,e.selfClosing=this.eat(o.slash),this.expect(o.jsxTagEnd),this.finishNode(e,"JSXOpeningElement")}jsx
ParseClosingElementAt(e,t){const r=this.startNodeAt(e,t);return
this.match(o.jsxTagEnd)?(this.expect(o.jsxTagEnd),this.finishNode(r,"JSXClosingFragment")):(r.name=this.jsxPar
seElementName(),this.expect(o.jsxTagEnd),this.finishNode(r,"JSXClosingElement"))}jsxParseElementAt(e,t){const
r=this.startNodeAt(e,t),n=[],i=this.jsxParseOpeningElementAt(e,t);let
s=null;if(!i.selfClosing){e:for(;;)switch(this.state.type){case
o.jsxTagStart:if(e=this.state.start,t=this.state.startLoc,this.next(),this.eat(o.slash)){s=this.jsxParseClosingElementAt(
e,t);break e}n.push(this.jsxParseElementAt(e,t));break;case o.jsxText:n.push(this.parseExprAtom());break;case
o.braceL:{const
e=this.startNode();this.next(),this.match(o.ellipsis)?n.push(this.jsxParseSpreadChild(e)):n.push(this.jsxParseExpress
ionContainer(e));break}default:throw
this.unexpected()}z(i)&&!z(s)?this.raise(s.start,G.MissingClosingTagFragment):!z(i)&&z(s)?this.raise(s.start,G.Mis
singClosingTagElement,$(i.name)):z(i)||z(s)||$(s.name)!==$(i.name)&&this.raise(s.start,G.MissingClosingTagElem
ent,$(i.name))}if(z(i)?(r.openingFragment=i,r.closingFragment=s):(r.openingElement=i,r.closingElement=s),r.childr
en=n,this.isRelational("<"))throw this.raise(this.state.start,G.UnwrappedAdjacentJSXElements);return
z(i)?this.finishNode(r,"JSXFragment"):this.finishNode(r,"JSXElement")}jsxParseElement(){const
e=this.state.start,t=this.state.startLoc;return this.next(),this.jsxParseElementAt(e,t)}parseExprAtom(e){return
this.match(o.jsxText)?this.parseLiteral(this.state.value,"JSXText"):this.match(o.jsxTagStart)?this.jsxParseElement()
:this.isRelational("<")&&33!==(this.input.charCodeAtAt(this.state.pos)?(this.finishToken(o.jsxTagStart),this.jsxParseE
lement()):super.parseExprAtom(e))getTokenFromCode(e){if(this.state.inPropertyName)return
super.getTokenFromCode(e);const t=this.curContext();if(t===g.j_expr)return
this.jsxReadToken();if(t===g.j_oTag||t===g.j_cTag){if(O(e))return
this.jsxReadWord();if(62===e)return++this.state.pos,this.finishToken(o.jsxTagEnd);if((34===e||39===e)&&t===g.
j_oTag)return this.jsxReadString(e)}return
60===e&&this.state.exprAllowed&&33!==(this.input.charCodeAtAt(this.state.pos+1)?(++this.state.pos,this.finishToke
n(o.jsxTagStart)):super.getTokenFromCode(e))updateContext(e){if(this.match(o.braceL)){const
t=this.curContext();t===g.j_oTag?this.state.context.push(g.braceExpression):t===g.j_expr?this.state.context.push(g.
templateQuasi):super.updateContext(e),this.state.exprAllowed=!0}else{if(!this.match(o.slash)||e!==o.jsxTagStart)ret
urn super.updateContext(e);this.state.context.length-
=2,this.state.context.push(g.j_cTag),this.state.exprAllowed=!1}}},flow:e=>class extends
e{constructor(e,t){super(e,t),this.flowPragma=void 0,this.flowPragma=void 0}shouldParseTypes(){return
this.getPluginOption("flow","all")||"flow"===this.flowPragma}shouldParseEnums(){return!!this.getPluginOption("f
low","enums")}finishToken(e,t){return e!==(o.string&&e!==(o.semi&&e!==(o.interpreterDirective&&void
0===this.flowPragma&&(this.flowPragma=null),super.finishToken(e,t))addComment(e){if(void
0===this.flowPragma){const

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t=W.exec(e.value);if(t)if("flow"===t[1])this.flowPragma="flow";else{if("noflow"!==t[1])throw new
Error("Unexpected flow pragma");this.flowPragma="noflow"}else;}return
super.addComment(e)}flowParseTypeInitialiser(e){const
t=this.state.inType;this.state.inType=!0,this.expect(e||o.colon);const r=this.flowParseType();return
this.state.inType=t,r}flowParsePredicate(){const
e=this.startNode(),t=this.state.startLoc,r=this.state.start;this.expect(o.modulo);const n=this.state.startLoc;return
this.expectContextual("checks"),t.line===n.line&& t.column===n.column-
1||this.raise(r,V.UnexpectedSpaceBetweenModuloChecks),this.eat(o.parenL)?(e.value=this.parseExpression(),this.e
xpect(o.parenR),this.finishNode(e,"DeclaredPredicate"));this.finishNode(e,"InferredPredicate")}flowParseTypeAnd
PredicateInitialiser(){const e=this.state.inType;this.state.inType=!0,this.expect(o.colon);let t=null,r=null;return
this.match(o.modulo)?(this.state.inType=e,r=this.flowParsePredicate()):t=this.flowParseType(),this.state.inType=e,
this.match(o.modulo)&&(r=this.flowParsePredicate()),[t,r]}flowParseDeclareClass(e){return
this.next(),this.flowParseInterfaceish(e,!0),this.finishNode(e,"DeclareClass")}flowParseDeclareFunction(e){this.nex
t();const
t=e.id=this.parseIdentifier(),r=this.startNode(),n=this.startNode();this.isRelational("<")?r.typeParameters=this.flowP
arseTypeParameterDeclaration():r.typeParameters=null,this.expect(o.parenL);const
i=this.flowParseFunctionTypeParams();return
r.params=i.params,r.rest=i.rest,this.expect(o.parenR),[r.returnType,e.predicate]=this.flowParseTypeAndPredicateIni
tialiser(),n.typeAnnotation=this.finishNode(r,"FunctionTypeAnnotation"),t.typeAnnotation=this.finishNode(n,"Type
Annotation"),this.resetEndLocation(t),this.semicolon(),this.finishNode(e,"DeclareFunction")}flowParseDeclare(e,t)
{if(this.match(o._class))return this.flowParseDeclareClass(e);if(this.match(o._function))return
this.flowParseDeclareFunction(e);if(this.match(o._var))return
this.flowParseDeclareVariable(e);if(this.eatContextual("module"))return
this.match(o.dot)?this.flowParseDeclareModuleExports(e):(t&&this.raise(this.state.lastTokStart,V.NestedDeclareM
odule),this.flowParseDeclareModule(e));if(this.isContextual("type"))return
this.flowParseDeclareTypeAlias(e);if(this.isContextual("opaque"))return
this.flowParseDeclareOpaqueType(e);if(this.isContextual("interface"))return
this.flowParseDeclareInterface(e);if(this.match(o._export))return this.flowParseDeclareExportDeclaration(e,t);throw
this.unexpected()}flowParseDeclareVariable(e){return
this.next(),e.id=this.flowParseTypeAnnotatableIdentifier(!0),this.scope.declareName(e.id.name,5,e.id.start),this.sem
icolon(),this.finishNode(e,"DeclareVariable")}flowParseDeclareModule(e){this.scope.enter(0),this.match(o.string)?
e.id=this.parseExprAtom():e.id=this.parseIdentifier();const
t=e.body=this.startNode(),r=t.body=[];for(this.expect(o.braceL);!this.match(o.braceR);){let
e=this.startNode();this.match(o._import)?(this.next(),this.isContextual("type")||this.match(o._typeof)||this.raise(this.s
tate.lastTokStart,V.InvalidNonTypeImportInDeclareModule),this.parseImport(e):(this.expectContextual("declare",
V.UnsupportedStatementInDeclareModule),e=this.flowParseDeclare(e,!0)),r.push(e)}this.scope.exit(),this.expect(o.
braceR),this.finishNode(t,"BlockStatement");let n=null,i=!1;return
r.forEach(e=>{!function(e){return"DeclareExportAllDeclaration"===e.type||"DeclareExportDeclaration"===e.type
&&(e.declaration||"TypeAlias"!==e.declaration.type&&"InterfaceDeclaration"!==e.declaration.type)}(e)?"Declare
ModuleExports"===e.type&&(i&&this.raise(e.start,V.DuplicateDeclareModuleExports),"ES"===n&&this.raise(e.s
tart,V.AmbiguousDeclareModuleKind),n="CommonJS",i=!0):("CommonJS"===n&&this.raise(e.start,V.Ambiguou
sDeclareModuleKind),n="ES")),e.kind=n||"CommonJS",this.finishNode(e,"DeclareModule")}flowParseDeclareEx
portDeclaration(e,t){if(this.expect(o._export),this.eat(o._default))return
this.match(o._function)||this.match(o._class)?e.declaration=this.flowParseDeclare(this.startNode()):e.declaration=this
.flowParseType(),this.semicolon(),e.default=!0,this.finishNode(e,"DeclareExportDeclaration");if(this.match(o._co
nstant)||this.isLet()||this.isContextual("type")||this.isContextual("interface"))&&!t){const
e=this.state.value,t=Y[e];throw
this.raise(this.state.start,V.UnsupportedDeclareExportKind,e,t)}if(this.match(o._var)||this.match(o._function)||this.m

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atch(o._class)||this.isContextual("opaque"))return
e.declaration=this.flowParseDeclare(this.startNode()),e.default=!1,this.finishNode(e,"DeclareExportDeclaration");if
(this.match(o.star)||this.match(o.braceL)||this.isContextual("interface")||this.isContextual("type")||this.isContextual("
opaque"))return"ExportNamedDeclaration"===e&&(e=this.parseExport(e)).type&&(e.type="ExportDeclaration",e.defau
lt=!1,delete e.exportKind),e.type="Declare"+e.type,e;throw
this.unexpected()}flowParseDeclareModuleExports(e){return
this.next(),this.expectContextual("exports"),e.typeAnnotation=this.flowParseTypeAnnotation(),this.semicolon(),this.
finishNode(e,"DeclareModuleExports")}flowParseDeclareTypeAlias(e){return
this.next(),this.flowParseTypeAlias(e),e.type="DeclareTypeAlias",e}flowParseDeclareOpaqueType(e){return
this.next(),this.flowParseOpaqueType(e,!0),e.type="DeclareOpaqueType",e}flowParseDeclareInterface(e){return
this.next(),this.flowParseInterfaceish(e),this.finishNode(e,"DeclareInterface")}flowParseInterfaceish(e,t=!1){if(e.id=
this.flowParseRestrictedIdentifier(!t,!0),this.scope.declareName(e.id.name,t?17:9,e.id.start),this.isRelational("<")?e.t
ypeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.extends=[],e.implements=[],e.m
ixins=[],this.eat(o._extends))do{e.extends.push(this.flowParseInterfaceExtends())}while(!t&&this.eat(o.comma));if(
this.isContextual("mixins")){this.next();do{e.mixins.push(this.flowParseInterfaceExtends())}while(this.eat(o.comm
a))}if(this.isContextual("implements")){this.next();do{e.implements.push(this.flowParseInterfaceExtends())}while(t
his.eat(o.comma))}e.body=this.flowParseObjectType({allowStatic:t,allowExact:!1,allowSpread:!1,allowProto:t,allo
wInexact:!1})}flowParseInterfaceExtends(){const e=this.startNode();return
e.id=this.flowParseQualifiedTypeIdentifier(),this.isRelational("<")?e.typeParameters=this.flowParseTypeParameterI
nstantiation():e.typeParameters=null,this.finishNode(e,"InterfaceExtends")}flowParseInterface(e){return
this.flowParseInterfaceish(e),this.finishNode(e,"InterfaceDeclaration")}checkNotUnderscore(e){"_ "===e&&this.rai
se(this.state.start,V.UnexpectedReservedUnderscore)}checkReservedType(e,t,r){U.has(e)&&this.raise(t,r?V.Assign
ReservedType:V.UnexpectedReservedType,e)}flowParseRestrictedIdentifier(e,t){return
this.checkReservedType(this.state.value,this.state.start,t),this.parseIdentifier(e)}flowParseTypeAlias(e){return
e.id=this.flowParseRestrictedIdentifier(!1,!0),this.scope.declareName(e.id.name,9,e.id.start),this.isRelational("<")?e.
typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.right=this.flowParseTypeInitial
iser(o.eq),this.semicolon(),this.finishNode(e,"TypeAlias")}flowParseOpaqueType(e,t){return
this.expectContextual("type"),e.id=this.flowParseRestrictedIdentifier(!0,!0),this.scope.declareName(e.id.name,9,e.id
.start),this.isRelational("<")?e.typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.s
upertype=null,this.match(o.colon)&&(e.supertype=this.flowParseTypeInitialiser(o.colon)),e.impltype=null,t|(e.impl
type=this.flowParseTypeInitialiser(o.eq)),this.semicolon(),this.finishNode(e,"OpaqueType")}flowParseTypeParame
ter(e=!1){const
t=this.state.start,r=this.startNode(),n=this.flowParseVariance(),i=this.flowParseTypeAnnotatableIdentifier();return
r.name=i.name,r.variance=n,r.bound=i.typeAnnotation,this.match(o.eq)?(this.eat(o.eq),r.default=this.flowParseType
()):e&&this.raise(t,V.MissingTypeParamDefault),this.finishNode(r,"TypeParameter")}flowParseTypeParameterDec
laration(){const
e=this.state.inType,t=this.startNode();t.params=[],this.state.inType=!0,this.isRelational("<")||this.match(o.jsxTagSta
rt)?this.next():this.unexpected();let r=!1;do{const
e=this.flowParseTypeParameter(r);t.params.push(e),e.default&&(r=!0),this.isRelational(">")||this.expect(o.comma)}
while(!this.isRelational(">"));return
this.expectRelational(">"),this.state.inType=e,this.finishNode(t,"TypeParameterDeclaration")}flowParseTypeParam
eterInstantiation(){const
e=this.startNode(),t=this.state.inType;e.params=[],this.state.inType=!0,this.expectRelational("<");const
r=this.state.noAnonFunctionType;for(this.state.noAnonFunctionType=!1;!this.isRelational(">");)e.params.push(this.
flowParseType()),this.isRelational(">")||this.expect(o.comma);return
this.state.noAnonFunctionType=r,this.expectRelational(">"),this.state.inType=t,this.finishNode(e,"TypeParameterIn
stantiation")}flowParseTypeParameterInstantiationCallOrNew(){const
e=this.startNode(),t=this.state.inType;for(e.params=[],this.state.inType=!0,this.expectRelational("<");!this.isRelatio

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nal(">");e.params.push(this.flowParseTypeOrImplicitInstantiation()),this.isRelational(">")||this.expect(o.comma);return
turn
this.expectRelational(">"),this.state.inType=t,this.finishNode(e,"TypeParameterInstantiation")}flowParseInterfaceType()
{const
e=this.startNode();if(this.expectContextual("interface"),e.extends=[],this.eat(o._extends))do{e.extends.push(this.flowParseInterfaceExtends())}while(this.eat(o.comma));return
e.body=this.flowParseObjectType({allowStatic:!1,allowExact:!1,allowSpread:!1,allowProto:!1,allowInexact:!1}),this.finishNode(e,"InterfaceTypeAnnotation")}flowParseObjectPropertyKey(){return
this.match(o.num)||this.match(o.string)?this.parseExprAtom():this.parseIdentifier(!0)}flowParseObjectTypeIndexer(e,t,r){return
e.static=t,this.lookahead().type===o.colon?(e.id=this.flowParseObjectPropertyKey(),e.key=this.flowParseTypeInitialiser()):
(e.id=null,e.key=this.flowParseType()),this.expect(o.bracketR),e.value=this.flowParseTypeInitialiser(),e.variance=r,
this.finishNode(e,"ObjectTypeIndexer")}flowParseObjectTypeInternalSlot(e,t){return
e.static=t,e.id=this.flowParseObjectPropertyKey(),this.expect(o.bracketR),this.expect(o.bracketR),this.isRelational("<")||
this.match(o.parenL)?(e.method=!0,e.optional=!1,e.value=this.flowParseObjectTypeMethodish(this.startNodeAt(e.start,e.loc.start))):
(e.method=!1,this.eat(o.question)&&(e.optional=!0),e.value=this.flowParseTypeInitialiser()),this.finishNode(e,"ObjectTypeInternalSlot")}
flowParseObjectTypeMethodish(e){for(e.params=[],e.rest=null,e.typeParameters=null,this.isRelational("<")&&(e.typeParameters=this.flowParseTypeParameterDeclaration()),
this.expect(o.parenL);!this.match(o.parenR)&&!this.match(o.ellipsis);e.params.push(this.flowParseFunctionTypeParam()),this.match(o.parenR)||
this.expect(o.comma);return
this.eat(o.ellipsis)&&(e.rest=this.flowParseFunctionTypeParam()),this.expect(o.parenR),e.returnType=this.flowParseTypeInitialiser(),
this.finishNode(e,"FunctionTypeAnnotation")}flowParseObjectTypeCallProperty(e,t){const
r=this.startNode();return
e.static=t,e.value=this.flowParseObjectTypeMethodish(r),this.finishNode(e,"ObjectTypeCallProperty")}flowParseObjectType({allowStatic:e,allowExact:t,allowSpread:r,allowProto:n,allowInexact:i}){const
s=this.state.inType;this.state.inType=!0;const a=this.startNode();let
l,c;a.callProperties=[],a.properties=[],a.indexers=[],a.internalSlots=[];let
p=!1;for(t&&this.match(o.braceBarL)?(this.expect(o.braceBarL),l=o.braceBarR,c=!0):(this.expect(o.braceL),l=o.braceR,c=!1),a.exact=c;!this.match(l);){let t=!1,s=null,l=null;const
u=this.startNode();if(n&&this.isContextual("proto")){const
t=this.lookahead();t.type!==o.colon&&t.type!==o.question&&(this.next(),s=this.state.start,e=!1)}if(e&&this.isContextual("static")){const e=this.lookahead();e.type!==o.colon&&e.type!==o.question&&(this.next(),t=!0)}const
d=this.flowParseVariance();if(this.eat(o.bracketL))null!=s&&this.unexpected(s),this.eat(o.bracketL)?(d&&this.unexpected(d.start),a.internalSlots.push(this.flowParseObjectTypeInternalSlot(u,t))):a.indexers.push(this.flowParseObjectTypeIndexer(u,t,d));else
if(this.match(o.parenL)||this.isRelational("<"))null!=s&&this.unexpected(s),d&&this.unexpected(d.start),a.callProperties.push(this.flowParseObjectTypeCallProperty(u,t));else{let
e="init";if(this.isContextual("get")||this.isContextual("set")){const
t=this.lookahead();t.type!==o.name&&t.type!==o.string&&t.type!==o.num||(e=this.state.value,this.next())}const
n=this.flowParseObjectTypeProperty(u,t,s,d,e,r,null!=i?i!c);null===n?(p=!0,l=this.state.lastTokStart):a.properties.push(n)}this.flowObjectTypeSemicolon(),!||this.match(o.braceR)||this.match(o.braceBarR)||this.raise(l,V.UnexpectedExplicitInexactInObject)}this.expect(l),r&&(a.inexact=p);const
u=this.finishNode(a,"ObjectTypeAnnotation");return
this.state.inType=s,u}flowParseObjectTypeProperty(e,t,r,n,i,s,a){if(this.eat(o.ellipsis)){return
this.match(o.comma)||this.match(o.semi)||this.match(o.braceR)||this.match(o.braceBarR)?(s?a||this.raise(this.state.lastTokStart,V.InexactInsideExact):this.raise(this.state.lastTokStart,V.InexactInsideNonObject),n&&this.raise(n.start,V.InexactVariance),null):(s||this.raise(this.state.lastTokStart,V.UnexpectedSpreadType),null!=r&&this.unexpected(r),n&&this.raise(n.start,V.SpreadVariance),e.argument=this.flowParseType(),this.finishNode(e,"ObjectTypeSpreadP

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roperty"))} { e.key=this.flowParseObjectPropertyKey(),e.static=t,e.proto=null!=r,e.kind=i;let s=!1;return
this.isRelational("<")||this.match(o.parenL)?(e.method=!0,null!=r&&this.unexpected(r),n&&this.unexpected(n.start)
,e.value=this.flowParseObjectTypeMethodish(this.startNodeAt(e.start,e.loc.start)),"get"!==i&&"set"!==i||this.flowC
heckGetterSetterParams(e)):(("init"!==i&&this.unexpected(),e.method=!1,this.eat(o.question)&&(s=!0),e.value=this.
flowParseTypeInitialiser(),e.variance=n),e.optional=s,this.finishNode(e,"ObjectTypeProperty"))} }flowCheckGetterS
etterParams(e){const
t="get"===e.kind?0:1,r=e.start;e.value.params.length+(e.value.rest?1:0)!==t&&("get"===e.kind?this.raise(r,y.BadG
etterArity):this.raise(r,y.BadSetterArity)),"set"===e.kind&&e.value.rest&&this.raise(r,y.BadSetterRestParameter)}f
lowObjectTypeSemicolon(){this.eat(o.semi)||this.eat(o.comma)||this.match(o.braceR)||this.match(o.braceBarR)||this.
unexpected()}flowParseQualifiedTypeIdentifier(e,t,r){e=e||this.state.start,t=t||this.state.startLoc;let
n=r||this.flowParseRestrictedIdentifier(!0);for(;this.eat(o.dot);){const
r=this.startNodeAt(e,t);r.qualification=n,r.id=this.flowParseRestrictedIdentifier(!0),n=this.finishNode(r,"QualifiedT
ypeIdentifier")}return n}flowParseGenericType(e,t,r){const n=this.startNodeAt(e,t);return
n.typeParameters=null,n.id=this.flowParseQualifiedTypeIdentifier(e,t,r),this.isRelational("<")&&(n.typeParameters
=this.flowParseTypeParameterInstantiation()),this.finishNode(n,"GenericTypeAnnotation")}flowParseTypeofType()
{const e=this.startNode();return
this.expect(o._typeof),e.argument=this.flowParsePrimaryType(),this.finishNode(e,"TypeofTypeAnnotation")}flowP
arseTupleType(){const
e=this.startNode();for(e.types=[],this.expect(o.bracketL);this.state.pos<this.length&&!this.match(o.bracketR)&&(e.t
ypes.push(this.flowParseType()),!this.match(o.bracketR));)this.expect(o.comma);return
this.expect(o.bracketR),this.finishNode(e,"TupleTypeAnnotation")}flowParseFunctionTypeParam(){let
e=null,t=!1,r=null;const n=this.startNode(),i=this.lookahead();return
i.type===o.colon|i.type===o.question?(e=this.parseIdentifier(),this.eat(o.question)&&(t=!0),r=this.flowParseTypeI
nitialiser()):r=this.flowParseType(),n.name=e,n.optional=t,n.typeAnnotation=r,this.finishNode(n,"FunctionTypePara
m")}reinterpretTypeAsFunctionTypeParam(e){const t=this.startNodeAt(e.start,e.loc.start);return
t.name=null,t.optional=!1,t.typeAnnotation=e,this.finishNode(t,"FunctionTypeParam")}flowParseFunctionTypePara
ms(e=[]){let
t=null;for(;!this.match(o.parenR)&&!this.match(o.ellipsis);)e.push(this.flowParseFunctionTypeParam()),this.match(
o.parenR)||this.expect(o.comma);return
this.eat(o.ellipsis)&&(t=this.flowParseFunctionTypeParam()),{params:e,rest:t}}flowIdentToTypeAnnotation(e,t,r,n)
{switch(n.name){case"any":return this.finishNode(r,"AnyTypeAnnotation");case"bool":case"boolean":return
this.finishNode(r,"BooleanTypeAnnotation");case"mixed":return
this.finishNode(r,"MixedTypeAnnotation");case"empty":return
this.finishNode(r,"EmptyTypeAnnotation");case"number":return
this.finishNode(r,"NumberTypeAnnotation");case"string":return
this.finishNode(r,"StringTypeAnnotation");case"symbol":return
this.finishNode(r,"SymbolTypeAnnotation");default:return
this.checkNotUnderscore(n.name),this.flowParseGenericType(e,t,n)}}flowParsePrimaryType(){const
e=this.state.start,t=this.state.startLoc,r=this.startNode();let n,i,s=!1;const
a=this.state.noAnonFunctionType;switch(this.state.type){case o.name:return
this.isContextual("interface")?this.flowParseInterfaceType():this.flowIdentToTypeAnnotation(e,t,r,this.parseIdentifi
er());case o.braceL:return
this.flowParseObjectType({allowStatic:!1,allowExact:!1,allowSpread:!0,allowProto:!1,allowInexact:!0});case
o.braceBarL:return
this.flowParseObjectType({allowStatic:!1,allowExact:!0,allowSpread:!0,allowProto:!1,allowInexact:!1});case
o.bracketL:return
this.state.noAnonFunctionType=!1,i=this.flowParseTupleType(),this.state.noAnonFunctionType=a,i;case
o.relational;if("<"===this.state.value)return

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r.typeParameters=this.flowParseTypeParameterDeclaration(),this.expect(o.parenL),n=this.flowParseFunctionTypeParameters(),r.params=n.params,r.rest=n.rest,this.expect(o.parenR),this.expect(o.arrow),r.returnType=this.flowParseType(),this.finishNode(r,"FunctionTypeAnnotation");break;case
o.parenL:if(this.next(),!this.match(o.parenR)&&!this.match(o.ellipsis))if(this.match(o.name)){const
e=this.lookahead().type;s=e!==o.question&&e!==o.colon}else
s=!0;if(s){if(this.state.noAnonFunctionType=!1,i=this.flowParseType(),this.state.noAnonFunctionType=a,this.state.noAnonFunctionType||!(this.match(o.comma)||this.match(o.parenR)&&this.lookahead().type===o.arrow))return
this.expect(o.parenR),i;this.eat(o.comma)}return
n=i?this.flowParseFunctionTypeParams([this.reinterpretTypeAsFunctionTypeParam(i)]:this.flowParseFunctionTypeParams(),r.params=n.params,r.rest=n.rest,this.expect(o.parenR),this.expect(o.arrow),r.returnType=this.flowParseType(),r.typeParameters=null,this.finishNode(r,"FunctionTypeAnnotation");case o.string:return
this.parseLiteral(this.state.value,"StringLiteralTypeAnnotation");case o._true:case o._false:return
r.value=this.match(o._true),this.next(),this.finishNode(r,"BooleanLiteralTypeAnnotation");case o.plusMin:if("-"===this.state.value){if(this.next(),this.match(o.num))return this.parseLiteral(-
this.state.value,"NumberLiteralTypeAnnotation",r.start,r.loc.start);if(this.match(o.bigint))return this.parseLiteral(-
this.state.value,"BigIntLiteralTypeAnnotation",r.start,r.loc.start);throw
this.raise(this.state.start,V.UnexpectedSubtractionOperand)}throw this.unexpected();case o.num:return
this.parseLiteral(this.state.value,"NumberLiteralTypeAnnotation");case o.bigint:return
this.parseLiteral(this.state.value,"BigIntLiteralTypeAnnotation");case o._void:return
this.next(),this.finishNode(r,"VoidTypeAnnotation");case o._null:return
this.next(),this.finishNode(r,"NullLiteralTypeAnnotation");case o._this:return
this.next(),this.finishNode(r,"ThisTypeAnnotation");case o.star:return
this.next(),this.finishNode(r,"ExistsTypeAnnotation");default:if("typeof"===this.state.type.keyword)return
this.flowParseTypeofType();if(this.state.type.keyword){const e=this.state.type.label;return
this.next(),super.createIdentifier(r,e)}throw this.unexpected()}flowParsePostfixType(){const
e=this.state.start,t=this.state.startLoc;let
r=this.flowParsePrimaryType();for(;this.match(o.bracketL)&&!this.canInsertSemicolon();){const
n=this.startNodeAt(e,t);n.elementType=r,this.expect(o.bracketL),this.expect(o.bracketR),r=this.finishNode(n,"ArrayTypeAnnotation")}return r}flowParsePrefixType(){const e=this.startNode();return
this.eat(o.question)?(e.typeAnnotation=this.flowParsePrefixType(),this.finishNode(e,"NullableTypeAnnotation")):this.flowParsePostfixType()}flowParseAnonFunctionWithoutParens(){const
e=this.flowParsePrefixType();if(!this.state.noAnonFunctionType&&this.eat(o.arrow)){const
t=this.startNodeAt(e.start,e.loc.start);return
t.params=[this.reinterpretTypeAsFunctionTypeParam(e)],t.rest=null,t.returnType=this.flowParseType(),t.typeParameters=null,this.finishNode(t,"FunctionTypeAnnotation")}return e}flowParseIntersectionType(){const
e=this.startNode();this.eat(o.bitwiseAND);const
t=this.flowParseAnonFunctionWithoutParens();for(e.types=[t];this.eat(o.bitwiseAND);)e.types.push(this.flowParseAnonFunctionWithoutParens());return
1===e.types.length?t:this.finishNode(e,"IntersectionTypeAnnotation")}flowParseUnionType(){const
e=this.startNode();this.eat(o.bitwiseOR);const
t=this.flowParseIntersectionType();for(e.types=[t];this.eat(o.bitwiseOR);)e.types.push(this.flowParseIntersectionType());return 1===e.types.length?t:this.finishNode(e,"UnionTypeAnnotation")}flowParseType(){const
e=this.state.inType;this.state.inType=!0;const t=this.flowParseUnionType();return
this.state.inType=e,this.state.exprAllowed=this.state.exprAllowed||this.state.noAnonFunctionType,t}flowParseTypeOrImplicitInstantiation(){if(this.state.type===o.name&&"_"===this.state.value){const
e=this.state.start,t=this.state.startLoc,r=this.parseIdentifier();return this.flowParseGenericType(e,t,r)}return
this.flowParseType()}flowParseTypeAnnotation(){const e=this.startNode();return
e.typeAnnotation=this.flowParseTypeInitialiser(),this.finishNode(e,"TypeAnnotation")}flowParseTypeAnnotatableI

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dentifier(e){const t=e?this.parseIdentifier():this.flowParseRestrictedIdentifier();return
this.match(o.colon)&&(t.typeAnnotation=this.flowParseTypeAnnotation(),this.resetEndLocation(t)),t}typeCastToPa
rameter(e){return
e.expression.typeAnnotation=e.typeAnnotation,this.resetEndLocation(e.expression,e.typeAnnotation.end,e.typeAnn
otation.loc.end),e.expression}flowParseVariance(){let e=null;return
this.match(o.plusMin)&&(e=this.startNode(),"+")==this.state.value?e.kind="plus":e.kind="minus",this.next(),this.fi
nishNode(e,"Variance"),e}parseFunctionBody(e,t,r=!1){return
t?this.forwardNoArrowParamsConversionAt(e,()=>super.parseFunctionBody(e,!0,r)):super.parseFunctionBody(e,!1,
r)}parseFunctionBodyAndFinish(e,t,r=!1){if(this.match(o.colon)){const
t=this.startNode();[t.typeAnnotation,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),e.returnType=t.typeA
nnotation?this.finishNode(t,"TypeAnnotation"):null}super.parseFunctionBodyAndFinish(e,t,r)}parseStatement(e,t){
if(this.state.strict&&this.match(o.name)&&"interface"===this.state.value){const
e=this.lookahead();if(e.type===o.name||R(e.value)){const e=this.startNode();return
this.next(),this.flowParseInterface(e)}else if(this.shouldParseEnums()&&this.isContextual("enum")){const
e=this.startNode();return this.next(),this.flowParseEnumDeclaration(e)}const r=super.parseStatement(e,t);return
void
0!==(this.flowPragma||this.isValidDirective(r)||this.flowPragma=null,r)}parseExpressionStatement(e,t){if("Identifie
r"===t.type)if("declare"===t.name){if(this.match(o._class)||this.match(o.name)||this.match(o._function)||this.match(
o._var)||this.match(o._export))return this.flowParseDeclare(e)}else
if(this.match(o.name)){if("interface"===t.name)return this.flowParseInterface(e);if("type"===t.name)return
this.flowParseTypeAlias(e);if("opaque"===t.name)return this.flowParseOpaqueType(e,!1)}return
super.parseExpressionStatement(e,t)}shouldParseExportDeclaration(){return
this.isContextual("type")||this.isContextual("interface")||this.isContextual("opaque")||this.shouldParseEnums()&&thi
s.isContextual("enum")||super.shouldParseExportDeclaration()}isExportDefaultSpecifier(){return(!this.match(o.nam
e)||("type"===this.state.value||"interface"===this.state.value||"opaque"===this.state.value||this.shouldParseEnums()
&&"enum"===this.state.value))&&super.isExportDefaultSpecifier()}parseExportDefaultExpression(){if(this.should
ParseEnums()&&this.isContextual("enum")){const e=this.startNode();return
this.next(),this.flowParseEnumDeclaration(e)}return
super.parseExportDefaultExpression()}parseConditional(e,t,r,n){if(!this.match(o.question))return e;if(n){const
i=this.tryParse(())=>super.parseConditional(e,t,r);return
i.node?(i.error&&(this.state=i.failState),i.node):(n.start=i.error.pos||this.state.start,e)}this.expect(o.question);const
i=this.state.clone(),s=this.state.noArrowAt,a=this.startNodeAt(t,r);let {consequent:l,failed:c}=this.tryParseCondition
alConsequent(),[p,u]=this.getArrowLikeExpressions(l);if(c||u.length>0){const
e=[...s];if(u.length>0){this.state=i,this.state.noArrowAt=e;for(let
t=0;t<u.length;t++)e.push(u[t].start);({consequent:l,failed:c}=this.tryParseConditionalConsequent(),[p,u]=this.getA
rrowLikeExpressions(l)}c&&p.length>1&&this.raise(i.start,V.AmbiguousConditionalArrow),c&&1===p.length&
&(this.state=i,this.state.noArrowAt=e.concat(p[0].start),({consequent:l,failed:c}=this.tryParseConditionalConseque
nt()))}return
this.getArrowLikeExpressions(l,!0),this.state.noArrowAt=s,this.expect(o.colon),a.test=e,a.consequent=l,a.alternate=
this.forwardNoArrowParamsConversionAt(a,()=>this.parseMaybeAssign(void 0,void 0,void
0)),this.finishNode(a,"ConditionalExpression")}tryParseConditionalConsequent(){this.state.noArrowParamsConver
sionAt.push(this.state.start);const e=this.parseMaybeAssignAllowIn(),t=!this.match(o.colon);return
this.state.noArrowParamsConversionAt.pop(),{consequent:e,failed:t}}getArrowLikeExpressions(e,t){const
r=[e],n=[];for(;0!==r.length;){const
e=r.pop();"ArrowFunctionExpression"===e.type?(e.typeParameters||!e.returnType?this.finishArrowValidation(e):n.
push(e),r.push(e.body)):"ConditionalExpression"===e.type&&(r.push(e.consequent),r.push(e.alternate))}return
t?(n.forEach(e=>this.finishArrowValidation(e)),[n,[]]):function(e,t){const r=[],n=[];for(let
i=0;i<e.length;i++){t(e[i],i,e)?r:n.push(e[i]);return[r,n]}(n,e=>e.params.every(e=>this.isAssignable(e,!0)))}finishAr

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rowValidation(e){ var t;this.toAssignableList(e.params,null==(t=e.extra)?void
0:t.trailingComma),this.scope.enter(6),super.checkParams(e,!1,!0),this.scope.exit()}forwardNoArrowParamsConver
sionAt(e,t){ let r;return-
1!==(this.state.noArrowParamsConversionAt.indexOf(e.start)?(this.state.noArrowParamsConversionAt.push(this.stat
e.start),r=t(),this.state.noArrowParamsConversionAt.pop():r=t(),r)}parseParenItem(e,t,r){ if(e=super.parseParenItem
(e,t,r),this.eat(o.question)&&(e.optional=!0,this.resetEndLocation(e)),this.match(o.colon)){ const
n=this.startNodeAt(t,r);return
n.expression=e,n.typeAnnotation=this.flowParseTypeAnnotation(),this.finishNode(n,"TypeCastExpression")}return
e}assertModuleNodeAllowed(e){ "ImportDeclaration"===e.type&&("type"===e.importKind||"typeof"===e.import
Kind)||"ExportNamedDeclaration"===e.type&&"type"===e.exportKind||"ExportAllDeclaration"===e.type&&"type
"===e.exportKind||super.assertModuleNodeAllowed(e)}parseExport(e){ const
t=super.parseExport(e);return"ExportNamedDeclaration"!==t.type&&"ExportAllDeclaration"!==t.type||(t.exportKind
d=t.exportKind||"value"),t}parseExportDeclaration(e){ if(this.isContextual("type")){ e.exportKind="type";const
t=this.startNode();return
this.next(),this.match(o.braceL)?(e.specifiers=this.parseExportSpecifiers(),this.parseExportFrom(e),null):this.flowPa
rseTypeAlias(t)}if(this.isContextual("opaque")){ e.exportKind="type";const t=this.startNode();return
this.next(),this.flowParseOpaqueType(t,!1)}if(this.isContextual("interface")){ e.exportKind="type";const
t=this.startNode();return
this.next(),this.flowParseInterface(t)}if(this.shouldParseEnums())&&this.isContextual("enum")){ e.exportKind="valu
e";const t=this.startNode();return this.next(),this.flowParseEnumDeclaration(t)}return
super.parseExportDeclaration(e)}eatExportStar(e){ return!!super.eatExportStar(...arguments)||(!this.isContextual("t
ype")||this.lookahead().type!==o.star)&&(e.exportKind="type",this.next(),this.next(),!0)}maybeParseExportNamesp
aceSpecifier(e){ const t=this.state.start,r=super.maybeParseExportNamespaceSpecifier(e);return
r&&"type"===e.exportKind&&this.unexpected(t,r)}parseClassId(e,t,r){ super.parseClassId(e,t,r),this.isRelational("<
")&&(e.typeParameters=this.flowParseTypeParameterDeclaration())}parseClassMember(e,t,r){ const
n=this.state.start;if(this.isContextual("declare")){ if(this.parseClassMemberFromModifier(e,t))return;t.declare=!0}su
per.parseClassMember(e,t,r),t.declare&&("ClassProperty"!==t.type&&"ClassPrivateProperty"!==t.type?this.raise(n,
V.DeclareClassElement):t.value&&this.raise(t.value.start,V.DeclareClassFieldInitializer))}getTokenFromCode(e){c
onst t=this.input.charCodeAt(this.state.pos+1);return
123===e&&124===t?this.finishOp(o.braceBarL,2):!this.state.inType||62!==e&&60!==e?this.state.inType&&63===
=e?this.finishOp(o.question,1):function(e,t){ return
64===e&&64===t}(e,t)?(this.state.isIterator=!0,super.readWord()):super.getTokenFromCode(e):this.finishOp(o.rel
ational,1)}isAssignable(e,t){ switch(e.type){ case"Identifier":case"ObjectPattern":case"ArrayPattern":case"Assignme
ntPattern":return!0;case"ObjectExpression":{ const t=e.properties.length-1;return
e.properties.every((e,r)=>"ObjectMethod"!==e.type&&(r===t||"SpreadElement"===e.type)&&this.isAssignable(e)
)}case"ObjectProperty":return this.isAssignable(e.value);case"SpreadElement":return
this.isAssignable(e.argument);case"ArrayExpression":return
e.elements.every(e=>this.isAssignable(e));case"AssignmentExpression":return"="===e.operator;case"Parenthesized
Expression":case"TypeCastExpression":return
this.isAssignable(e.expression);case"MemberExpression":case"OptionalMemberExpression":return!t;default:return!
1}}toAssignable(e){ return"TypeCastExpression"===e.type?super.toAssignable(this.typeCastToParameter(e)):super.
toAssignable(e)}toAssignableList(e,t){ for(let t=0;t<e.length;t++){ const
r=e[t];"TypeCastExpression"===e&&(null===r?void 0:r.type)&&(e[t]=this.typeCastToParameter(r))}return
super.toAssignableList(e,t)}toReferencedList(e,t){ for(let n=0;n<e.length;n++){ var r;const
i=e[n];i&&"TypeCastExpression"===i.type&&(null==(r=i.extra)?void
0:r.parenthesized)&&(e.length>1||!t)&&this.raise(i.typeAnnotation.start,V.TypeCastInParameter)}return
e}parseArrayLike(e,t,r,n){ const i=super.parseArrayLike(e,t,r,n);return
t&&!this.state.maybeInArrowParameters&&this.toReferencedList(i.elements,i)}checkLVal(e,t=64,r,n){ if("TypeCas

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tExpression"!==e.type)return super.checkLVal(e,t,r,n)}parseClassProperty(e){return
this.match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),super.parseClassProperty(e)}parseClass
PrivateProperty(e){return
this.match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),super.parseClassPrivateProperty(e)}isC
lassMethod(){return this.isRelational("<")||super.isClassMethod()}isClassProperty(){return
this.match(o.colon)||super.isClassProperty()}isNonstaticConstructor(e){return!this.match(o.colon)&&super.isNonsta
ticConstructor(e)}pushClassMethod(e,t,r,n,i,s){t.variance&&this.unexpected(t.variance.start),delete
t.variance,this.isRelational("<")&&(t.typeParameters=this.flowParseTypeParameterDeclaration()),super.pushClass
Method(e,t,r,n,i,s)}pushClassPrivateMethod(e,t,r,n){t.variance&&this.unexpected(t.variance.start),delete
t.variance,this.isRelational("<")&&(t.typeParameters=this.flowParseTypeParameterDeclaration()),super.pushClassP
rivateMethod(e,t,r,n)}parseClassSuper(e){if(super.parseClassSuper(e),e.superClass&&this.isRelational("<")&&(e.s
uperTypeParameters=this.flowParseTypeParameterInstantiation()),this.isContextual("implements")){this.next();cons
t t=e.implements=[];do{const
e=this.startNode();e.id=this.flowParseRestrictedIdentifier(!0),this.isRelational("<")?e.typeParameters=this.flowPars
eTypeParameterInstantiation():e.typeParameters=null,t.push(this.finishNode(e,"ClassImplements"))}while(this.eat(o
.comma))}parsePropertyName(e,t){const r=this.flowParseVariance(),n=super.parsePropertyName(e,t);return
e.variance=r,n}parseObjPropValue(e,t,r,n,i,s,a,l){let c;e.variance&&this.unexpected(e.variance.start),delete
e.variance,this.isRelational("<")&&!a&&(c=this.flowParseTypeParameterDeclaration(),this.match(o.parenL)||this.u
nexpected()),super.parseObjPropValue(e,t,r,n,i,s,a,l),c&&((e.value||e).typeParameters=c)}parseAssignableListItemT
ypes(e){return
this.eat(o.question)&&("Identifier"!==e.type&&this.raise(e.start,V.OptionalBindingPattern),e.optional=!0),this.mat
ch(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),this.resetEndLocation(e,e)}parseMaybeDefault(
e,t,r){const
n=super.parseMaybeDefault(e,t,r);return"AssignmentPattern"===n.type&&n.typeAnnotation&&n.right.start<n.type
Annotation.start&&this.raise(n.typeAnnotation.start,V.TypeBeforeInitializer),n}shouldParseDefaultImport(e){retur
n
K(e)?q(this.state):super.shouldParseDefaultImport(e)}parseImportSpecifierLocal(e,t,r,n){t.local=K(e)?this.flowPars
eRestrictedIdentifier(!0,!0):this.parseIdentifier(),this.checkLVal(t.local,9,void
0,n),e.specifiers.push(this.finishNode(t,r))}maybeParseDefaultImportSpecifier(e){e.importKind="value";let
t=null;if(this.match(o._typeof)?t="typeof":this.isContextual("type")&&(t="type"),t){const
r=this.lookahead();"type"===t&&r.type===o.star&&this.unexpected(r.start),(q(r)||r.type===o.braceL||r.type===o.st
ar)&&(this.next(),e.importKind=t)}return
super.maybeParseDefaultImportSpecifier(e)}parseImportSpecifier(e){const
t=this.startNode(),r=this.state.start,n=this.parseModuleExportName();let
i=null;"Identifier"===n.type&&("type"===n.name?i="type":"typeof"===n.name&&(i="typeof"));let
s=!1;if(this.isContextual("as")&&!this.isLookaheadContextual("as")){const
e=this.parseIdentifier(!0);null===i||this.match(o.name)||this.state.type.keyword?(t.imported=n,t.importKind=null,t.lo
cal=this.parseIdentifier()):t.imported=e,t.importKind=i,t.local=e.__clone()}else
if(null!==i&&(this.match(o.name)||this.state.type.keyword))t.imported=this.parseIdentifier(!0),t.importKind=i,this.e
atContextual("as"?t.local=this.parseIdentifier():s=!0,t.local=t.imported.__clone());else{if("StringLiteral"===n.type
)}throw
this.raise(t.start,y.ImportBindingIsString,n.value);s=!0,t.imported=n,t.importKind=null,t.local=t.imported.__clone()
}const
a=K(e),l=K(t);a&&l&&this.raise(r,V.ImportTypeShorthandOnlyInPureImport),(a||l)&&this.checkReservedType(t.l
ocal.name,t.local.start,!0,!s||a||l||this.checkReservedWord(t.local.name,t.start,!0,!0),this.checkLVal(t.local,9,void
0,"import specifier"),e.specifiers.push(this.finishNode(t,"ImportSpecifier"))}parseFunctionParams(e,t){const
r=e.kind;"get"!==r&&"set"!==r&&this.isRelational("<")&&(e.typeParameters=this.flowParseTypeParameterDeclara
tion()),super.parseFunctionParams(e,t)}parseVarId(e,t){super.parseVarId(e,t),this.match(o.colon)&&(e.id.typeAnn

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otation=this.flowParseTypeAnnotation(),this.resetEndLocation(e.id))}parseAsyncArrowFromCallExpression(e,t){if
(this.match(o.colon)){const
t=this.state.noAnonFunctionType;this.state.noAnonFunctionType=!0,e.returnType=this.flowParseTypeAnnotation()
,this.state.noAnonFunctionType=t}return
super.parseAsyncArrowFromCallExpression(e,t)}shouldParseAsyncArrow(){return
this.match(o.colon)||super.shouldParseAsyncArrow()}parseMaybeAssign(e,t,r){var n;let
i,s=null;if(this.hasPlugin("jsx")&&(this.match(o.jsxTagStart)||this.isRelational("<"))){if(s=this.state.clone(),i=this.tr
yParse(=>super.parseMaybeAssign(e,t,r),s),!i.error)return i.node;const{context:n}=this.state;n[n.length-
1]===g.j_oTag?n.length-=2:n[n.length-1]===g.j_expr&&(n.length-=1)}if((null==(n=i)?void
0:n.error)||this.isRelational("<")){var a,l;let n;s=s||this.state.clone();const o=this.tryParse(i=>{var
s;n=this.flowParseTypeParameterDeclaration();const a=this.forwardNoArrowParamsConversionAt(n,())=>{const
i=super.parseMaybeAssign(e,t,r);return
this.resetStartLocationFromNode(i,n,i)};"ArrowFunctionExpression"!==a.type&&(null==(s=a.extra)?void
0:s.parenthesized)&&i());const o=this.maybeUnwrapTypeCastExpression(a);return
o.typeParameters=n,this.resetStartLocationFromNode(o,n,a),s);let
c=null;if(o.node&&"ArrowFunctionExpression"===this.maybeUnwrapTypeCastExpression(o.node).type){if(!o.erro
r&&!o.aborted)return
o.node.async&&this.raise(n.start,V.UnexpectedTypeParameterBeforeAsyncArrowFunction),o.node;c=o.node}if(nul
l==(a=i)?void 0:a.node)return this.state=i.failState,i.node;if(c)return this.state=o.failState,c;if(null==(l=i)?void
0:l.thrown)throw i.error;if(o.thrown)throw o.error;throw
this.raise(n.start,V.UnexpectedTokenAfterTypeParameter)}return
super.parseMaybeAssign(e,t,r)}parseArrow(e){if(this.match(o.colon)){const t=this.tryParse(=>{const
t=this.state.noAnonFunctionType;this.state.noAnonFunctionType=!0;const
r=this.startNode();return[r.typeAnnotation,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),this.state.noAn
onFunctionType=t,this.canInsertSemicolon()&&this.unexpected(),this.match(o.arrow)||this.unexpected(),r)};if(t.thro
wn)return
null;t.error&&(this.state=t.failState),e.returnType=t.node.typeAnnotation?this.finishNode(t.node,"TypeAnnotation")
:null}return super.parseArrow(e)}shouldParseArrow(){return
this.match(o.colon)||super.shouldParseArrow()}setArrowFunctionParameters(e,t){-
1!==this.state.noArrowParamsConversionAt.indexOf(e.start)?e.params=t:super.setArrowFunctionParameters(e,t)}c
heckParams(e,t,r){if(!r|-1===this.state.noArrowParamsConversionAt.indexOf(e.start))return
super.checkParams(...arguments)}parseParenAndDistinguishExpression(e){return
super.parseParenAndDistinguishExpression(e&&-
1===this.state.noArrowAt.indexOf(this.state.start))}parseSubscripts(e,t,r,n){if("Identifier"===e.type&&"async"===
e.name&&-1!==this.state.noArrowAt.indexOf(t)){this.next();const
n=this.startNodeAt(t,r);n.callee=e,n.arguments=this.parseCallExpressionArguments(o.parenR,!1),e=this.finishNode(
n,"CallExpression")}else if("Identifier"===e.type&&"async"===e.name&&this.isRelational("<")){const
i=this.state.clone(),s=this.tryParse(e=>this.parseAsyncArrowWithTypeParameters(t,r)||e(),i);if(!s.error&&!s.aborted
)return s.node;const a=this.tryParse(=>super.parseSubscripts(e,t,r,n),i);if(a.node&&!a.error)return
a.node;if(s.node)return this.state=s.failState,s.node;if(a.node)return this.state=a.failState,a.node;throw
s.error||a.error}return
super.parseSubscripts(e,t,r,n)}parseSubscript(e,t,r,n,i){if(this.match(o.questionDot)&&this.isLookaheadToken_It())
{if(i.optionalChainMember=!0,n)return i.stop=!0,e,this.next();const s=this.startNodeAt(t,r);return
s.callee=e,s.typeArguments=this.flowParseTypeParameterInstantiation(),this.expect(o.parenL),s.arguments=this.par
seCallExpressionArguments(o.parenR,!1),s.optional=!0,this.finishCallExpression(s,!0)}if(!n&&this.shouldParseTyp
es()&&this.isRelational("<")){const n=this.startNodeAt(t,r);n.callee=e;const
s=this.tryParse(=>(n.typeArguments=this.flowParseTypeParameterInstantiationCallOrNew(),this.expect(o.parenL)
,n.arguments=this.parseCallExpressionArguments(o.parenR,!1),i.optionalChainMember&&(n.optional=!1),this.finis

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hCallExpression(n,i.optionalChainMember));if(s.node)return s.error&&(this.state=s.failState),s.node }return
super.parseSubscript(e,t,r,n,i) }parseNewArguments(e){ let
t=null;this.shouldParseTypes()&&this.isRelational("<")&&(t=this.tryParse(=>this.flowParseTypeParameterInstantiationCallOrNew()).node),e.typeArguments=t,super.parseNewArguments(e) }parseAsyncArrowWithTypeParameters(e,t){ const r=this.startNodeAt(e,t);if(this.parseFunctionParams(r),this.parseArrow(r))return
this.parseArrowExpression(r,void 0,!0) }readToken_mult_modulo(e){ const
t=this.input.charCodeAt(this.state.pos+1);if(42===e&&47===t&&this.state.hasFlowComment)return
this.state.hasFlowComment=!1,this.state.pos+=2,void
this.nextToken();super.readToken_mult_modulo(e) }readToken_pipe_amp(e){ const
t=this.input.charCodeAt(this.state.pos+1);124!==(e||125)!==(t?super.readToken_pipe_amp(e):this.finishOp(o.braceBarR,2) ) }parseTopLevel(e,t){ const r=super.parseTopLevel(e,t);return
this.state.hasFlowComment&&this.raise(this.state.pos,V.UnterminatedFlowComment),r }skipBlockComment(){ if(this.is.hasPlugin("flowComments")&&this.skipFlowComment())return
this.state.hasFlowComment&&this.unexpected(null,V.NestedFlowComment),this.hasFlowCommentCompletion(),this.state.pos+=this.skipFlowComment(),void(this.state.hasFlowComment=!0);if(this.state.hasFlowComment){ const
e=this.input.indexOf("*/",this.state.pos+=2);if(-1===e)throw this.raise(this.state.pos-2,y.UnterminatedComment);this.state.pos=e+3 }else
super.skipBlockComment() }skipFlowComment(){ const { pos:e }=this.state;let
t=2;for(;[32,9].includes(this.input.charCodeAt(e+t));t++);const
r=this.input.charCodeAt(t+e),n=this.input.charCodeAt(t+e+1);return 58===r&&58===n?t+2:"flow-include"===this.input.slice(t+e,t+e+12)?t+12:58===r&&58!==(n&&t) }hasFlowCommentCompletion(){ if(-1===this.input.indexOf("*/",this.state.pos))throw
this.raise(this.state.pos,y.UnterminatedComment) }flowEnumErrorBooleanMemberNotInitialized(e,{ enumName:t,memberName:r }){ this.raise(e,V.EnumBooleanMemberNotInitialized,r,t) }flowEnumErrorInvalidMemberName(e,{ enumName:t,memberName:r }){ const
n=r[0].toUpperCase()+r.slice(1);this.raise(e,V.EnumInvalidMemberName,r,n,t) }flowEnumErrorDuplicateMemberName(e,{ enumName:t,memberName:r }){ this.raise(e,V.EnumDuplicateMemberName,r,t) }flowEnumErrorInconsistentMemberValues(e,{ enumName:t }){ this.raise(e,V.EnumInconsistentMemberValues,t) }flowEnumErrorInvalidExplicitType(e,{ enumName:t,suppliedType:r }){ return
this.raise(e,null===r?V.EnumInvalidExplicitTypeUnknownSupplied:V.EnumInvalidExplicitType,t,r) }flowEnumErrorInvalidMemberInitializer(e,{ enumName:t,explicitType:r,memberName:n }){ let
i=null;switch(r){ case "boolean":case "number":case "string":i=V.EnumInvalidMemberInitializerPrimaryType;break;case "symbol":i=V.EnumInvalidMemberInitializerSymbolType;break;default:i=V.EnumInvalidMemberInitializerUnknownType }return
this.raise(e,i,t,n,r) }flowEnumErrorNumberMemberNotInitialized(e,{ enumName:t,memberName:r }){ this.raise(e,V.EnumNumberMemberNotInitialized,t,r) }flowEnumErrorStringMemberInconsistentlyInitailized(e,{ enumName:t }){ this.raise(e,V.EnumStringMemberInconsistentlyInitailized,t) }flowEnumMemberInit(){ const
e=this.state.start,t=(= =>this.match(o.comma)||this.match(o.braceR));switch(this.state.type){ case o.num: { const
r=this.parseLiteral(this.state.value,"NumericLiteral");return
t()? { type:"number",pos:r.start,value:r } : { type:"invalid",pos:e } } case o.string: { const
r=this.parseLiteral(this.state.value,"StringLiteral");return
t()? { type:"string",pos:r.start,value:r } : { type:"invalid",pos:e } } case o._true:case o._false: { const
r=this.parseBooleanLiteral();return
t()? { type:"boolean",pos:r.start,value:r } : { type:"invalid",pos:e } } default: return { type:"invalid",pos:e } } }flowEnumMemberRaw(){ const
e=this.state.start;return { id:this.parseIdentifier(!0),init:this.eat(o.eq)?this.flowEnumMemberInit(): { type:"none",pos:e } } } }flowEnumCheckExplicitTypeMismatch(e,t,r){ const { explicitType:n }=t,null!==(n&&n)!==(r&&this.flowEnumErrorInvalidMemberInitializer(e,t) ) }flowEnumMembers({ enumName:e,explicitType:t }){ const r=new

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Set,n={booleanMembers:[],numberMembers:[],stringMembers:[],defaultedMembers:[]};for(;!this.match(o.braceR);)
{const i=this.startNode(),{id:s,init:a}=this.flowEnumMemberRaw(),l=s.name;if("===l)continue;^[a-
z]/.test(l)&&this.flowEnumErrorInvalidMemberName(s.start,{enumName:e,memberName:l}),r.has(l)&&this.flowE
numErrorDuplicateMemberName(s.start,{enumName:e,memberName:l}),r.add(l);const
c={enumName:e,explicitType:t,memberName:l};switch(i.id=s,a.type){case"boolean":this.flowEnumCheckExplicit
TypeMismatch(a.pos,c,"boolean"),i.init=a.value,n.booleanMembers.push(this.finishNode(i,"EnumBooleanMember"
));break;case"number":this.flowEnumCheckExplicitTypeMismatch(a.pos,c,"number"),i.init=a.value,n.numberMemb
ers.push(this.finishNode(i,"EnumNumberMember"));break;case"string":this.flowEnumCheckExplicitTypeMismatch
(a.pos,c,"string"),i.init=a.value,n.stringMembers.push(this.finishNode(i,"EnumStringMember"));break;case"invalid"
:throw
this.flowEnumErrorInvalidMemberInitializer(a.pos,c);case"none":switch(t){case"boolean":this.flowEnumErrorBoo
leanMemberNotInitialized(a.pos,c);break;case"number":this.flowEnumErrorNumberMemberNotInitialized(a.pos,c);
break;default:n.defaultedMembers.push(this.finishNode(i,"EnumDefaultedMember"))}this.match(o.braceR)||this.e
xpect(o.comma)}return n}flowEnumStringMembers(e,t,{enumName:r}){if(0===e.length)return
t;if(0===t.length)return e;if(t.length>e.length){for(let t=0;t<e.length;t++){const
n=e[t];this.flowEnumErrorStringMemberInconsistentlyInitailized(n.start,{enumName:r})}return t}for(let
e=0;e<t.length;e++){const
n=t[e];this.flowEnumErrorStringMemberInconsistentlyInitailized(n.start,{enumName:r})}return
e}flowEnumParseExplicitType({enumName:e}){if(this.eatContextual("of")){if(!this.match(o.name))throw
this.flowEnumErrorInvalidExplicitType(this.state.start,{enumName:e,suppliedType:null});const{value:t}=this.state;
return
this.next(),"boolean"!==t&&"number"!==t&&"string"!==t&&"symbol"!==t&&this.flowEnumErrorInvalidExplicit
Type(this.state.start,{enumName:e,suppliedType:t}),t}return
null}flowEnumBody(e,{enumName:t,nameLoc:r}){const
n=this.flowEnumParseExplicitType({enumName:t});this.expect(o.braceL);const
i=this.flowEnumMembers({enumName:t,explicitType:n});switch(n){case"boolean":return
e.explicitType=!0,e.members=i.booleanMembers,this.expect(o.braceR),this.finishNode(e,"EnumBooleanBody");cas
e"number":return
e.explicitType=!0,e.members=i.numberMembers,this.expect(o.braceR),this.finishNode(e,"EnumNumberBody");cas
e"string":return
e.explicitType=!0,e.members=this.flowEnumStringMembers(i.stringMembers,i.defaultedMembers,{enumName:t}),
this.expect(o.braceR),this.finishNode(e,"EnumStringBody");case"symbol":return
e.members=i.defaultedMembers,this.expect(o.braceR),this.finishNode(e,"EnumSymbolBody");default:{const
n=()=>(e.members=[],this.expect(o.braceR),this.finishNode(e,"EnumStringBody"));e.explicitType=!1;const
s=i.booleanMembers.length,a=i.numberMembers.length,l=i.stringMembers.length,c=i.defaultedMembers.length;if(s
||a||l||c){if(s||a){if(!a&&!l&&s>=c){for(let e=0,r=i.defaultedMembers;e<r.length;e++){const
n=r[e];this.flowEnumErrorBooleanMemberNotInitialized(n.start,{enumName:t,memberName:n.id.name})}return
e.members=i.booleanMembers,this.expect(o.braceR),this.finishNode(e,"EnumBooleanBody");if(!s&&!l&&a>=c){f
or(let e=0,r=i.defaultedMembers;e<r.length;e++){const
n=r[e];this.flowEnumErrorNumberMemberNotInitialized(n.start,{enumName:t,memberName:n.id.name})}return
e.members=i.numberMembers,this.expect(o.braceR),this.finishNode(e,"EnumNumberBody")}}return
this.flowEnumErrorInconsistentMemberValues(r,{enumName:t}),n)}return
e.members=this.flowEnumStringMembers(i.stringMembers,i.defaultedMembers,{enumName:t}),this.expect(o.brace
R),this.finishNode(e,"EnumStringBody")}return n()}}flowParseEnumDeclaration(e){const
t=this.parseIdentifier();return
e.id=t,e.body=this.flowEnumBody(this.startNode(),{enumName:t.name,nameLoc:t.start}),this.finishNode(e,"Enum
Declaration")}updateContext(e){this.match(o.name)&&"of"===this.state.value&&e===o.name&&"interface"===t
his.input.slice(this.state.lastTokStart,this.state.lastTokEnd)?this.state.exprAllowed=!1:super.updateContext(e)}isLoo

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kaheadToken_lt(){const e=this.nextTokenStart();if(60===this.input.charCodeAt(e)){const
t=this.input.charCodeAt(e+1);return
60!==t&&61!==t}return!1}maybeUnwrapTypeCastExpression(e){return"TypeCastExpression"===e.type?e.express
ion:e}},typescript:e=>class extends e{getScopeHandler(){return te}tsIsIdentifier(){return
this.match(o.name)}tsNextTokenCanFollowModifier(){return
this.next(),!(this.hasPrecedingLineBreak()||this.match(o.parenL)||this.match(o.parenR)||this.match(o.colon)||this.matc
h(o.eq)||this.match(o.question)||this.match(o.bang))}tsParseModifier(e){if(!this.match(o.name))return;const
t=this.state.value;return-1!==e.indexOf(t)&&this.tsTryParse(this.tsNextTokenCanFollowModifier.bind(this)):t:void
0}tsParseModifiers(e,t){for(;;){const
r=this.state.start,n=this.tsParseModifier(t);if(!n)break;Object.hasOwnProperty.call(e,n)&&this.raise(r,ae.DuplicateM
odifier,n),e[n]=!0}tsIsListTerminator(e){switch(e){case"EnumMembers":case"TypeMembers":return
this.match(o.braceR);case"HeritageClauseElement":return this.match(o.braceL);case"TupleElementTypes":return
this.match(o.bracketR);case"TypeParametersOrArguments":return this.isRelational(">")}throw new
Error("Unreachable")}tsParseList(e,t){const r=[];for(;!this.tsIsListTerminator(e);r.push(t));return
r}tsParseDelimitedList(e,t){return
ie(this.tsParseDelimitedListWorker(e,t,!0))}tsParseDelimitedListWorker(e,t,r){const
n=[];for(;!this.tsIsListTerminator(e);){const
i=t();if(null===i)return;if(n.push(i,!this.eat(o.comma))){if(this.tsIsListTerminator(e))break;return
void(r&&this.expect(o.comma))}}return
n}tsParseBracketedList(e,t,r,n){n||(r?this.expect(o.bracketL):this.expectRelational("<"));const
i=this.tsParseDelimitedList(e,t);return
r?this.expect(o.bracketR):this.expectRelational(">"),i}tsParseImportType(){const e=this.startNode();return
this.expect(o._import),this.expect(o.parenL),this.match(o.string)||this.raise(this.state.start,ae.UnsupportedImportTyp
eArgument),e.argument=this.parseExprAtom(),this.expect(o.parenR),this.eat(o.dot)&&(e.qualifier=this.tsParseEntit
yName(!0),this.isRelational("<"))&&(e.typeParameters=this.tsParseTypeArguments()),this.finishNode(e,"TSImport
Type")}tsParseEntityName(e){let t=this.parseIdentifier();for(;this.eat(o.dot);){const
r=this.startNodeAtNode(t);r.left=t,r.right=this.parseIdentifier(e),t=this.finishNode(r,"TSQualifiedName")}return
t}tsParseTypeReference(){const e=this.startNode();return
e.typeName=this.tsParseEntityName(!1,!this.hasPrecedingLineBreak())&&this.isRelational("<")&&(e.typeParamet
ers=this.tsParseTypeArguments()),this.finishNode(e,"TSTypeReference")}tsParseThisTypePredicate(e){this.next();
const t=this.startNodeAtNode(e);return
t.parameterName=e,t.typeAnnotation=this.tsParseTypeAnnotation(!1),this.finishNode(t,"TSTypePredicate")}tsParse
ThisTypeNode(){const e=this.startNode();return
this.next(),this.finishNode(e,"TSThisType")}tsParseTypeQuery(){const e=this.startNode();return
this.expect(o._typeof),this.match(o._import)?e.exprName=this.tsParseImportType():e.exprName=this.tsParseEntity
Name(!0),this.finishNode(e,"TSTypeQuery")}tsParseTypeParameter(){const e=this.startNode();return
e.name=this.parseIdentifierName(e.start),e.constraint=this.tsEatThenParseType(o._extends),e.default=this.tsEatThe
nParseType(o.eq),this.finishNode(e,"TSTypeParameter")}tsTryParseTypeParameters(){if(this.isRelational("<"))retu
rn this.tsParseTypeParameters()}tsParseTypeParameters(){const e=this.startNode();return
this.isRelational("<")||this.match(o.jsxTagStart)?this.next():this.unexpected(),e.params=this.tsParseBracketedList("T
ypeParametersOrArguments",this.tsParseTypeParameter.bind(this),!1,!0),0===e.params.length&&this.raise(e.start,ae
.EmptyTypeParameters),this.finishNode(e,"TSTypeParameterDeclaration")}tsTryNextParseConstantContext(){ret
urn this.lookahead().type===o._const?(this.next(),this.tsParseTypeReference()):null}tsFillSignature(e,t){const
r=e===o.arrow;t.typeParameters=this.tsTryParseTypeParameters(),this.expect(o.parenL),t.parameters=this.tsParseBi
ndingListForSignature(),(r||this.match(e))&&(t.typeAnnotation=this.tsParseTypeOrTypePredicateAnnotation(e))}ts
ParseBindingListForSignature(){return
this.parseBindingList(o.parenR,41).map(e=>("Identifier"!==e.type&&"RestElement"!==e.type&&"ObjectPattern"
===e.type&&"ArrayPattern"!==e.type&&this.raise(e.start,ae.UnsupportedSignatureParameterKind,e.type),e))}tsPars

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eTypeMemberSemicolon(){this.eat(o.comma)||this.semicolon()}tsParseSignatureMember(e,t){return
this.tsFillSignature(o.colon,t),this.tsParseTypeMemberSemicolon(),this.finishNode(t,e)}tsIsUnambiguouslyIndexSi
gnature(){return
this.next(),this.eat(o.name)&&this.match(o.colon)}tsTryParseIndexSignature(e){if(!this.match(o.bracketL)||!this.tsL
ookAhead(this.tsIsUnambiguouslyIndexSignature.bind(this)))return;this.expect(o.bracketL);const
t=this.parseIdentifier();t.typeAnnotation=this.tsParseTypeAnnotation(),this.resetEndLocation(t),this.expect(o.bracke
tR),e.parameters=[t];const r=this.tsTryParseTypeAnnotation();return
r&&(e.typeAnnotation=r),this.tsParseTypeMemberSemicolon(),this.finishNode(e,"TSIndexSignature")}tsParseProp
ertyOrMethodSignature(e,t){this.eat(o.question)&&(e.optional=!0);const
r=e;if(t||!this.match(o.parenL)&&!this.isRelational("<")){const e=r;t&&(e.readonly=!0);const
n=this.tsTryParseTypeAnnotation();return
n&&(e.typeAnnotation=n),this.tsParseTypeMemberSemicolon(),this.finishNode(e,"TSPropertySignature")}{const
e=r;return
this.tsFillSignature(o.colon,e),this.tsParseTypeMemberSemicolon(),this.finishNode(e,"TSMethodSignature")}tsPar
seTypeMember(){const e=this.startNode();if(this.match(o.parenL)||this.isRelational("<"))return
this.tsParseSignatureMember("TSCallSignatureDeclaration",e);if(this.match(o._new)){const
t=this.startNode();return
this.next(),this.match(o.parenL)||this.isRelational("<")?this.tsParseSignatureMember("TSConstructSignatureDeclara
tion",e):(e.key=this.createIdentifier(t,"new"),this.tsParsePropertyOrMethodSignature(e,!1))}const
t=!this.tsParseModifier(["readonly"]),r=this.tsTryParseIndexSignature(e);return
r?(t&&(e.readonly=!0),r):(this.parsePropertyName(e,!1),this.tsParsePropertyOrMethodSignature(e,t))}tsParseTypeL
iteral(){const e=this.startNode();return
e.members=this.tsParseObjectTypeMembers(),this.finishNode(e,"TSTypeLiteral")}tsParseObjectTypeMembers(){t
his.expect(o.braceL);const e=this.tsParseList("TypeMembers",this.tsParseTypeMember.bind(this));return
this.expect(o.braceR),e}tsIsStartOfMappedType(){return
this.next(),this.eat(o.plusMin)?this.isContextual("readonly"):(this.isContextual("readonly")&&this.next(),!this.matc
h(o.bracketL)&&(this.next(),!this.tsIsIdentifier())&&(this.next(),this.match(o._in))))}tsParseMappedTypeParameter
(){const e=this.startNode();return
e.name=this.parseIdentifierName(e.start),e.constraint=this.tsExpectThenParseType(o._in),this.finishNode(e,"TSTyp
eParameter")}tsParseMappedType(){const e=this.startNode();return
this.expect(o.braceL),this.match(o.plusMin)?(e.readonly=this.state.value,this.next(),this.expectContextual("readonly
")):this.eatContextual("readonly")&&(e.readonly=!0),this.expect(o.bracketL),e.typeParameter=this.tsParseMappedT
ypeParameter(),e.nameType=this.eatContextual("as")?this.tsParseType():null,this.expect(o.bracketR),this.match(o.p
lusMin)?(e.optional=this.state.value,this.next(),this.expect(o.question)):this.eat(o.question)&&(e.optional=!0),e.type
Annotation=this.tsTryParseType(),this.semicolon(),this.expect(o.braceR),this.finishNode(e,"TSMappedType")}tsPa
rseTupleType(){const
e=this.startNode();e.elementTypes=this.tsParseBracketedList("TupleElementTypes",this.tsParseTupleElementType.
bind(this),!0,!1);let t=!1,r=null;return e.elementTypes.forEach(e=>{var
n;let{type:i}=e;!t||"TSRestType"===i||"TSOptionalType"===i||"TSNamedTupleMember"===i&&e.optional||this.rai
se(e.start,ae.OptionalTypeBeforeRequired),t=t||"TSNamedTupleMember"===i&&e.optional||"TSOptionalType"===
i,"TSRestType"===i&&(i=(e=e.typeAnnotation).type);const
s="TSNamedTupleMember"===i;r=null!==(n=r)?n:s,r!==(s&&this.raise(e.start,ae.MixedLabeledAndUnlabeledEleme
nts)),this.finishNode(e,"TSTupleType")}tsParseTupleElementType(){const{start:e,startLoc:t}=this.state,r=this.eat(
o.ellipsis);let n=this.tsParseType();const i=this.eat(o.question);if(this.eat(o.colon)){const
e=this.startNodeAtNode(n);e.optional=i,"TSTypeReference"!==n.type||n.typeParameters||"Identifier"!==n.typeNam
e.type?(this.raise(n.start,ae.InvalidTupleMemberLabel),e.label=n):e.label=n.typeName,e.elementType=this.tsParseT
ype(),n=this.finishNode(e,"TSNamedTupleMember")}else if(i){const
e=this.startNodeAtNode(n);e.typeAnnotation=n,n=this.finishNode(e,"TSOptionalType")}if(r){const

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r=this.startNodeAt(e,t);r.typeAnnotation=n,n=this.finishNode(r,"TSRestType")}return
n}tsParseParenthesizedType(){const e=this.startNode();return
this.expect(o.parenL),e.typeAnnotation=this.tsParseType(),this.expect(o.parenR),this.finishNode(e,"TSParenthesize
dType")}tsParseFunctionOrConstructorType(e){const
t=this.startNode();return"TSConstructorType"===e&&this.expect(o._new),this.tsFillSignature(o.arrow,t),this.finish
Node(t,e)}tsParseLiteralTypeNode(){const e=this.startNode();return e.literal=(()=>=>{switch(this.state.type){case
o.num:case o.bigint:case o.string:case o._true:case o._false:return this.parseExprAtom();default:throw
this.unexpected()}})(o),this.finishNode(e,"TSLiteralType")}tsParseTemplateLiteralType(){const
e=this.startNode();return
e.literal=this.parseTemplate(!1),this.finishNode(e,"TSLiteralType")}parseTemplateSubstitution(){return
this.state.inType?this.tsParseType():super.parseTemplateSubstitution()}tsParseThisTypeOrThisTypePredicate(){con
st e=this.tsParseThisTypeNode();return
this.isContextual("is")&&!this.hasPrecedingLineBreak()?this.tsParseThisTypePredicate(e):e}tsParseNonArrayType
(){switch(this.state.type){case o.name:case o._void:case o._null:{const
e=this.match(o._void)?"TSVoidKeyword":this.match(o._null)?"TSNullKeyword":function(e){switch(e){case"any":r
eturn"TSAnyKeyword";case"boolean":return"TSBooleanKeyword";case"bigint":return"TSBigIntKeyword";case"ne
ver":return"TSNeverKeyword";case"number":return"TSNumberKeyword";case"object":return"TSObjectKeyword";
case"string":return"TSStringKeyword";case"symbol":return"TSSymbolKeyword";case"undefined":return"TSUndefi
nedKeyword";case"unknown":return"TSUnknownKeyword";default:return}}(this.state.value);if(void
0!==(e&&46!==(this.lookaheadCharCode())){const t=this.startNode();return this.next(),this.finishNode(t,e)}return
this.tsParseTypeReference()}case o.string:case o.num:case o.bigint:case o._true:case o._false:return
this.tsParseLiteralTypeNode();case o.plusMin:if("-"===this.state.value){const
e=this.startNode(),t=this.lookahead();if(t.type!==o.num&&t.type!==o.bigint)throw this.unexpected();return
e.literal=this.parseMaybeUnary(),this.finishNode(e,"TSLiteralType")}break;case o._this:return
this.tsParseThisTypeOrThisTypePredicate();case o._typeof:return this.tsParseTypeQuery();case o._import:return
this.tsParseImportType();case o.braceL:return
this.tsLookAhead(this.tsIsStartOfMappedType.bind(this))?this.tsParseMappedType():this.tsParseTypeLiteral();case
o.bracketL:return this.tsParseTupleType();case o.parenL:return this.tsParseParenthesizedType();case
o.backQuote:return this.tsParseTemplateLiteralType()}throw this.unexpected()}tsParseArrayTypeOrHigher(){let
e=this.tsParseNonArrayType();for(;!this.hasPrecedingLineBreak()&&this.eat(o.bracketL);)if(this.match(o.bracketR)
){const
t=this.startNodeAtNode(e);t.elementType=e,this.expect(o.bracketR),e=this.finishNode(t,"TSArrayType")}else{cons
t
t=this.startNodeAtNode(e);t.objectType=e,t.indexType=this.tsParseType(),this.expect(o.bracketR),e=this.finishNod
e(t,"TSIndexedAccessType")}return e}tsParseTypeOperator(e){const t=this.startNode();return
this.expectContextual(e),t.operator=e,t.typeAnnotation=this.tsParseTypeOperatorOrHigher(),"readonly"===e&&thi
s.tsCheckTypeAnnotationForReadOnly(t),this.finishNode(t,"TSTypeOperator")}tsCheckTypeAnnotationForReadO
nly(e){switch(e.typeAnnotation.type){case"TSTupleType":case"TSArrayType":return;default:this.raise(e.start,ae.U
nexpectedReadOnly)}}tsParseInferType(){const e=this.startNode();this.expectContextual("infer");const
t=this.startNode();return
t.name=this.parseIdentifierName(t.start),e.typeParameter=this.finishNode(t,"TSTypeParameter"),this.finishNode(e,"
TSInferType")}tsParseTypeOperatorOrHigher(){const
e=["keyof","unique","readonly"].find(e=>this.isContextual(e));return
e?this.tsParseTypeOperator(e):this.isContextual("infer"?this.tsParseInferType():this.tsParseArrayTypeOrHigher())}t
sParseUnionOrIntersectionType(e,t,r){this.eat(r);let n=t();if(this.match(r)){const
i=[n];for(;this.eat(r);)i.push(t());const s=this.startNodeAtNode(n);s.types=i,n=this.finishNode(s,e)}return
n}tsParseIntersectionTypeOrHigher(){return
this.tsParseUnionOrIntersectionType("TSIntersectionType",this.tsParseTypeOperatorOrHigher.bind(this),o.bitwise

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AND)}tsParseUnionTypeOrHigher(){return
this.tsParseUnionOrIntersectionType("TUnionType",this.tsParseIntersectionTypeOrHigher.bind(this),o.bitwiseOR
)}tsIsStartOfFunctionType(){return!this.isRelational("<")||this.match(o.parenL)&&this.tsLookAhead(this.tsIsUnam
biguouslyStartOfFunctionType.bind(this))}tsSkipParameterStart(){if(this.match(o.name)||this.match(o._this))return
this.next(),!0;if(this.match(o.braceL)){let
e=1;for(this.next();e>0;)this.match(o.braceL)?++e:this.match(o.braceR)&&--
e,this.next();return!0}if(this.match(o.bracketL)){let
e=1;for(this.next();e>0;)this.match(o.bracketL)?++e:this.match(o.bracketR)&&--
e,this.next();return!0}return!1}tsIsUnambiguouslyStartOfFunctionType(){if(this.next(),this.match(o.parenR)||this.m
atch(o.ellipsis))return!0;if(this.tsSkipParameterStart()){if(this.match(o.colon)||this.match(o.comma)||this.match(o.qu
estion)||this.match(o.eq))return!0;if(this.match(o.parenR)&&(this.next(),this.match(o.arrow)))return!0}return!1}tsPa
rseTypeOrTypePredicateAnnotation(e){return this.tsInType(=>{const t=this.startNode();this.expect(e);const
r=!this.tsTryParse(this.tsParseTypePredicateAsserts.bind(this));if(r&&this.match(o._this)){let
e=this.tsParseThisTypeOrThisTypePredicate();if("TSThisType"===e.type){const
r=this.startNodeAtNode(t);r.parameterName=e,r.asserts=!0,e=this.finishNode(r,"TSTypePredicate")}else
e.asserts=!0;return t.typeAnnotation=e,this.finishNode(t,"TSTypeAnnotation")}const
n=this.tsIsIdentifier()&&this.tsTryParse(this.tsParseTypePredicatePrefix.bind(this));if(!n){if(!r)return
this.tsParseTypeAnnotation(!1,t);const e=this.startNodeAtNode(t);return
e.parameterName=this.parseIdentifier(),e.asserts=r,t.typeAnnotation=this.finishNode(e,"TSTypePredicate"),this.fini
shNode(t,"TSTypeAnnotation")}const i=this.tsParseTypeAnnotation(!1),s=this.startNodeAtNode(t);return
s.parameterName=n,s.typeAnnotation=i,s.asserts=r,t.typeAnnotation=this.finishNode(s,"TSTypePredicate"),this.fini
shNode(t,"TSTypeAnnotation"))}tsTryParseTypeOrTypePredicateAnnotation(){return
this.match(o.colon)?this.tsParseTypeOrTypePredicateAnnotation(o.colon):void
0}tsTryParseTypeAnnotation(){return this.match(o.colon)?this.tsParseTypeAnnotation():void
0}tsTryParseType(){return this.tsEatThenParseType(o.colon)}tsParseTypePredicatePrefix(){const
e=this.parseIdentifier();if(this.isContextual("is")&&!this.hasPrecedingLineBreak())return
this.next(),e}tsParseTypePredicateAsserts(){if(!this.match(o.name)||"asserts"!==this.state.value||this.hasPrecedingLi
neBreak())return!1;const e=this.state.containsEsc;return
this.next(),!(this.match(o.name)&&!this.match(o._this))&&(e&&this.raise(this.state.lastTokStart,y.InvalidEscaped
ReservedWord,"asserts"),!0)}tsParseTypeAnnotation(e=!0,t=this.startNode()){return
this.tsInType(=>{e&&this.expect(o.colon),t.typeAnnotation=this.tsParseType()}),this.finishNode(t,"TSTypeAnno
tation")}tsParseType(){se(this.state.inType);const
e=this.tsParseNonConditionalType();if(this.hasPrecedingLineBreak()||!this.eat(o._extends))return e;const
t=this.startNodeAtNode(e);return
t.checkType=e,t.extendsType=this.tsParseNonConditionalType(),this.expect(o.question),t.trueType=this.tsParseTyp
e(),this.expect(o.colon),t.falseType=this.tsParseType(),this.finishNode(t,"TSConditionalType")}tsParseNonConditio
nalType(){return
this.tsIsStartOfFunctionType()?this.tsParseFunctionOrConstructorType("TSFunctionType"):this.match(o._new)?thi
s.tsParseFunctionOrConstructorType("TSConstructorType"):this.tsParseUnionTypeOrHigher()}tsParseTypeAsserti
on(){const e=this.startNode(),t=this.tsTryNextParseConstantContext();return
e.typeAnnotation=t||this.tsNextThenParseType(),this.expectRelational(">"),e.expression=this.parseMaybeUnary(),th
is.finishNode(e,"TSTypeAssertion")}tsParseHeritageClause(e){const
t=this.state.start,r=this.tsParseDelimitedList("HeritageClauseElement",this.tsParseExpressionWithTypeArguments.b
ind(this));return
r.length||this.raise(t,ae.EmptyHeritageClauseType,e),r}tsParseExpressionWithTypeArguments(){const
e=this.startNode();return
e.expression=this.tsParseEntityName(!1),this.isRelational("<")&&(e.typeParameters=this.tsParseTypeArguments()),
this.finishNode(e,"TSExpressionWithTypeArguments")}tsParseInterfaceDeclaration(e){e.id=this.parseIdentifier(),t

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his.checkLVal(e.id,130,void 0,"typescript interface
declaration"),e.typeParameters=this.tsTryParseTypeParameters(),this.eat(o._extends)&&(e.extends=this.tsParseHeri
tageClause("extends"));const t=this.startNode();return
t.body=this.tsInType(this.tsParseObjectTypeMembers.bind(this)),e.body=this.finishNode(t,"TSInterfaceBody"),this.
finishNode(e,"TSInterfaceDeclaration")}tsParseTypeAliasDeclaration(e){return
e.id=this.parseIdentifier(),this.checkLVal(e.id,2,void 0,"typescript type
alias"),e.typeParameters=this.tsTryParseTypeParameters(),e.typeAnnotation=this.tsInType(()=>{if(this.expect(o.eq)
,this.isContextual("intrinsic")&&this.lookahead().type!==(o.dot)){const e=this.startNode();return
this.next(),this.finishNode(e,"TSIntrinsicKeyword")}return
this.tsParseType()}),this.semicolon(),this.finishNode(e,"TSTypeAliasDeclaration")}tsInNoContext(e){const
t=this.state.context;this.state.context=[t[0]];try{return e()}finally{this.state.context=t}}tsInType(e){const
t=this.state.inType;this.state.inType=!0;try{return e()}finally{this.state.inType=t}}tsEatThenParseType(e){return
this.match(e)?this.tsNextThenParseType():void 0}tsExpectThenParseType(e){return
this.tsDoThenParseType(()=>this.expect(e))}tsNextThenParseType(){return
this.tsDoThenParseType(()=>this.next())}tsDoThenParseType(e){return
this.tsInType(()=>(e(),this.tsParseType()))}tsParseEnumMember(){const e=this.startNode();return
e.id=this.match(o.string)?this.parseExprAtom():this.parseIdentifier(!0),this.eat(o.eq)&&(e.initializer=this.parseMay
beAssignAllowIn()),this.finishNode(e,"TSEnumMember")}tsParseEnumDeclaration(e,t){return
t&&(e.const=!0),e.id=this.parseIdentifier(),this.checkLVal(e.id,t?779:267,void 0,"typescript enum
declaration"),this.expect(o.braceL),e.members=this.tsParseDelimitedList("EnumMembers",this.tsParseEnumMembe
r.bind(this)),this.expect(o.braceR),this.finishNode(e,"TSEnumDeclaration")}tsParseModuleBlock(){const
e=this.startNode();return
this.scope.enter(0),this.expect(o.braceL),this.parseBlockOrModuleBlockBody(e.body=[],void
0,!0,o.braceR),this.scope.exit(),this.finishNode(e,"TSModuleBlock")}tsParseModuleOrNamespaceDeclaration(e,t=!
1){if(e.id=this.parseIdentifier(),t||this.checkLVal(e.id,1024,null,"module or namespace
declaration"),this.eat(o.dot)){const
t=this.startNode();this.tsParseModuleOrNamespaceDeclaration(t,!0),e.body=t}else
this.scope.enter(128),this.prodParam.enter(0),e.body=this.tsParseModuleBlock(),this.prodParam.exit(),this.scope.exi
t();return this.finishNode(e,"TSModuleDeclaration")}tsParseAmbientExternalModuleDeclaration(e){return
this.isContextual("global")?(e.global=!0,e.id=this.parseIdentifier()):this.match(o.string)?e.id=this.parseExprAtom():t
his.unexpected(),this.match(o.braceL)?(this.scope.enter(128),this.prodParam.enter(0),e.body=this.tsParseModuleBlo
ck(),this.prodParam.exit(),this.scope.exit()):this.semicolon(),this.finishNode(e,"TSModuleDeclaration")}tsParseImp
ortEqualsDeclaration(e,t){return e.isExport=t?!1,e.id=this.parseIdentifier(),this.checkLVal(e.id,9,void 0,"import
equals
declaration"),this.expect(o.eq),e.moduleReference=this.tsParseModuleReference(),this.semicolon(),this.finishNode(
e,"TSImportEqualsDeclaration")}tsIsExternalModuleReference(){return
this.isContextual("require")&&40===this.lookaheadCharCode()}tsParseModuleReference(){return
this.tsIsExternalModuleReference()?this.tsParseExternalModuleReference():this.tsParseEntityName(!1)}tsParseExte
rnalModuleReference(){const
e=this.startNode();if(this.expectContextual("require"),this.expect(o.parenL),!this.match(o.string))throw
this.unexpected();return
e.expression=this.parseExprAtom(),this.expect(o.parenR),this.finishNode(e,"TSExternalModuleReference")}tsLook
Ahead(e){const t=this.state.clone(),r=e();return this.state=t,r}tsTryParseAndCatch(e){const
t=this.tryParse(t=>e)||t();if(!t.aborted&&t.node)return t.error&&(this.state=t.failState),t.node}tsTryParse(e){const
t=this.state.clone(),r=e();return void
0!==(r&&!1!==(r?r:void(this.state=t))}tsTryParseDeclare(e){if(this.isLineTerminator())return;let
t,r=this.state.type;return this.isContextual("let")&&(r=o._var,t="let"),this.tsInDeclareContext(()=>{switch(r){case
o._function:return e.declare=!0,this.parseFunctionStatement(e,!1,!0);case o._class:return

```



```

e.declare=!0,this.parseClass(e,!0,!1);case
o._const:if(this.match(o._const)&&this.isLookaheadContextual("enum"))return
this.expect(o._const),this.expectContextual("enum"),this.tsParseEnumDeclaration(e,!0);case o._var:return
t=t||this.state.value,this.parseVarStatement(e,t);case o.name:{const
t=this.state.value;return"global"===t?this.tsParseAmbientExternalModuleDeclaration(e):this.tsParseDeclaration(e,t,!0)}}}tsTryParseExportDeclaration(){return
this.tsParseDeclaration(this.startNode(),this.state.value,!0)}tsParseExpressionStatement(e,t){switch(t.name){case"declare":{const t=this.tsTryParseDeclare(e);if(t)return
t.declare=!0,t;break}case"global":if(this.match(o.braceL)){this.scope.enter(128),this.prodParam.enter(0);const
r=e;return
r.global=!0,r.id=t,r.body=this.tsParseModuleBlock(),this.scope.exit(),this.prodParam.exit(),this.finishNode(r,"TSMModuleDeclaration")}break;default:return
this.tsParseDeclaration(e,t.name,!1)}tsParseDeclaration(e,t,r){switch(t){case"abstract":if(this.tsCheckLineTerminatorAndMatch(o._class,r)){const t=e;return
t.abstract=!0,r&&(this.next(),this.match(o._class)||this.unexpected(null,o._class)),this.parseClass(t,!0,!1)}break;case
"enum":if(r||this.match(o.name))return
r&&this.next(),this.tsParseEnumDeclaration(e,!1);break;case"interface":if(this.tsCheckLineTerminatorAndMatch(o.name,r))return
r&&this.next(),this.tsParseInterfaceDeclaration(e);break;case"module":if(r&&this.next(),this.match(o.string))return
this.tsParseAmbientExternalModuleDeclaration(e);if(this.tsCheckLineTerminatorAndMatch(o.name,r))return
this.tsParseModuleOrNamespaceDeclaration(e);break;case"namespace":if(this.tsCheckLineTerminatorAndMatch(o.name,r))return
r&&this.next(),this.tsParseModuleOrNamespaceDeclaration(e);break;case"type":if(this.tsCheckLineTerminatorAndMatch(o.name,r))return
r&&this.next(),this.tsParseTypeAliasDeclaration(e)}tsCheckLineTerminatorAndMatch(e,t){return(t||this.match(e))&&this.isLineTerminator()}tsTryParseGenericAsyncArrowFunction(e,t){if(!this.isRelational("<"))return;const
r=this.state.maybeInArrowParameters;this.state.maybeInArrowParameters=!0;const
n=this.tsTryParseAndCatch(()=>{const r=this.startNodeAt(e,t);return
r.typeParameters=this.tsParseTypeParameters(),super.parseFunctionParams(r),r.returnType=this.tsTryParseTypeOrTypePredicateAnnotation(),this.expect(o.arrow),r});return
this.state.maybeInArrowParameters=r,n?this.parseArrowExpression(n,null,!0):void
0}tsParseTypeArguments(){const e=this.startNode();return
e.params=this.tsInType(()=>this.tsInNoContext(()=>(this.expectRelational("<"),this.tsParseDelimitedList("TypeParametersOrArguments",this.tsParseType.bind(this))),0===e.params.length&&this.raise(e.start,ae.EmptyTypeArguments),this.state.exprAllowed=!1,this.expectRelational(">"),this.finishNode(e,"TSTypeParameterInstantiation"))tsIsDeclarationStart(){if(this.match(o.name))switch(this.state.value){case"abstract":case"declare":case"enum":case"interface":case"module":case"namespace":case"type":return!0}return!1}isExportDefaultSpecifier(){return!this.tsIsDeclarationStart()&&super.isExportDefaultSpecifier()}parseAssignableListItem(e,t){const
r=this.state.start,n=this.state.startLoc;let i,s=!1;void
0!==(e&&(i=this.parseAccessModifier(),s=!1this.tsParseModifier(["readonly"]),!1===e&&(i||s)&&this.raise(r,ae.UnexpectedParameterModifier));const a=this.parseMaybeDefault();this.parseAssignableListItemTypes(a);const
o=this.parseMaybeDefault(a.start,a.loc.start,a);if(i||s){const e=this.startNodeAt(r,n);return
t.length&&(e.decorators=t),i&&(e.accessibility=i),s&&(e.readonly=s),"Identifier"!==o.type&&"AssignmentPattern"!==o.type&&this.raise(e.start,ae.UnsupportedParameterPropertyKind),e.parameter=o,this.finishNode(e,"TSParameterProperty")}return
t.length&&(a.decorators=t),o}parseFunctionBodyAndFinish(e,t,r=!1){this.match(o.colon)&&(e.returnType=this.tsParseTypeOrTypePredicateAnnotation(o.colon));const
n="FunctionDeclaration"===t?"TSDeclareFunction":"ClassMethod"===t?"TSDeclareMethod":void

```

```

0;n&&!this.match(o.braceL)&&this.isLineTerminator()?this.finishNode(e,n):"TSDeclareFunction"===n&&this.stat
e.isDeclareContext&&(this.raise(e.start,ae.DeclareFunctionHasImplementation),e.declare)?super.parseFunctionBod
yAndFinish(e,n,r):super.parseFunctionBodyAndFinish(e,t,r)}registerFunctionStatementId(e){!e.body&&e.id?this.ch
eckLVal(e.id,1024,null,"function
name"):super.registerFunctionStatementId(...arguments)}tsCheckForInvalidTypeCasts(e){e.forEach(e=>{"TSType
CastExpression"===e?void
0:e.type}&&this.raise(e.typeAnnotation.start,ae.UnexpectedTypeAnnotation))}toReferencedList(e,t){return
this.tsCheckForInvalidTypeCasts(e,e)}parseArrayLike(...e){const
t=super.parseArrayLike(...e);return"ArrayExpression"===t.type&&this.tsCheckForInvalidTypeCasts(t.elements),t}p
arseSubscript(e,t,r,n,i){if(!this.hasPrecedingLineBreak()&&this.match(o.bang)){this.state.exprAllowed=!1,this.next
();const n=this.startNodeAt(t,r);return
n.expression=e,this.finishNode(n,"TSNonNullExpression")}if(this.isRelational("<")){const
s=this.tsTryParseAndCatch(()=>{if(!n&&this.atPossibleAsyncArrow(e)){const
e=this.tsTryParseGenericAsyncArrowFunction(t,r);if(e)return e}const s=this.startNodeAt(t,r);s.callee=e;const
a=this.tsParseTypeArguments();if(a){if(!n&&this.eat(o.parenL))return
s.arguments=this.parseCallExpressionArguments(o.parenR,!1),this.tsCheckForInvalidTypeCasts(s.arguments),s.typ
eParameters=a,this.finishCallExpression(s,i.optionalChainMember);if(this.match(o.backQuote)){const
n=this.parseTaggedTemplateExpression(e,t,r,i);return n.typeParameters=a,n}}this.unexpected());if(s)return
s}return super.parseSubscript(e,t,r,n,i)}parseNewArguments(e){if(this.isRelational("<")){const
t=this.tsTryParseAndCatch(()=>{const e=this.tsParseTypeArguments();return
this.match(o.parenL)||this.unexpected(),e)};t&&(e.typeParameters=t)}super.parseNewArguments(e)}parseExprOp(e
,t,r,n){if(ie(o._in.binop)>n&&!this.hasPrecedingLineBreak()&&this.isContextual("as")){const
i=this.startNodeAt(t,r);i.expression=e;const s=this.tsTryNextParseConstantContext();return
i.typeAnnotation=s||this.tsNextThenParseType(),this.finishNode(i,"TSAsExpression"),this.reScan_lt_gt(),this.parse
ExprOp(i,t,r,n)}return
super.parseExprOp(e,t,r,n)}checkReservedWord(e,t,r,n){checkDuplicateExports()}parseImport(e){if(this.match(o
.name)||this.match(o.star)||this.match(o.braceL)){const
t=this.lookahead();if(this.match(o.name)&&t.type===o.eq)return
this.tsParseImportEqualsDeclaration(e);!this.isContextual("type")||t.type===o.comma||t.type===o.name&&"from"=
===t.value||(e.importKind="type",this.next())}e.importKind||(e.importKind="value");const
t=super.parseImport(e);return"type"===t.importKind&&t.specifiers.length>1&&"ImportDefaultSpecifier"===t.spec
ifiers[0].type&&this.raise(t.start,"A type-only import can specify a default import or named bindings, but not
both."),t}parseExport(e){if(this.match(o._import))return
this.expect(o._import),this.tsParseImportEqualsDeclaration(e,!0);if(this.eat(o.eq)){const t=e;return
t.expression=this.parseExpression(),this.semicolon(),this.finishNode(t,"TSExportAssignment")}if(this.eatContextual
("as")){const t=e;return
this.expectContextual("namespace"),t.id=this.parseIdentifier(),this.semicolon(),this.finishNode(t,"TSNamespaceExp
ortDeclaration")}return
this.isContextual("type")&&this.lookahead().type===o.braceL?(this.next(),e.exportKind="type"):e.exportKind="val
ue",super.parseExport(e)}isAbstractClass(){return
this.isContextual("abstract")&&this.lookahead().type===o._class}parseExportDefaultExpression(){if(this.isAbstrac
tClass()){const e=this.startNode();return
this.next(),this.parseClass(e,!0,!0),e.abstract=!0,e}if("interface"===this.state.value){const
e=this.tsParseDeclaration(this.startNode(),this.state.value,!0);if(e)return e}return
super.parseExportDefaultExpression()}parseStatementContent(e,t){if(this.state.type===o._const){const
e=this.lookahead();if(e.type===o.name&&"enum"===e.value){const e=this.startNode();return
this.expect(o._const),this.expectContextual("enum"),this.tsParseEnumDeclaration(e,!0)}return
super.parseStatementContent(e,t)}parseAccessModifier(){return

```

```

this.tsParseModifier(["public","protected","private"]);parseClassMember(e,t,r){this.tsParseModifiers(t,["declare"]);
const n=this.parseAccessModifier();n&&(t.accessibility=n),this.tsParseModifiers(t,["declare"]);const
i=(()=>=>{super.parseClassMember(e,t,r)};t.declare?this.tsInDeclareContext(i):i})parseClassMemberWithIsStatic(e,t,r
,n){this.tsParseModifiers(t,["abstract","readonly","declare"]);const i=this.tsTryParseIndexSignature(t);if(i)return
e.body.push(i),t.abstract&&this.raise(t.start,ae.IndexSignatureHasAbstract),n&&this.raise(t.start,ae.IndexSignature
HasStatic),t.accessibility&&this.raise(t.start,ae.IndexSignatureHasAccessibility,t.accessibility),void(t.declare&&this
.raise(t.start,ae.IndexSignatureHasDeclare));super.parseClassMemberWithIsStatic(e,t,r,n)}parsePostMemberName
Modifiers(e){this.eat(o.question)&&(e.optional=!0),e.readonly&&this.match(o.parenL)&&this.raise(e.start,ae.Class
MethodHasReadonly),e.declare&&this.match(o.parenL)&&this.raise(e.start,ae.ClassMethodHasDeclare)}parseExpr
essionStatement(e,t){return("Identifier"===t.type?this.tsParseExpressionStatement(e,t):void
0)||super.parseExpressionStatement(e,t)}shouldParseExportDeclaration(){return!this.tsIsDeclarationStart()}shouldParseExportDeclaration()
}parseConditional(e,t,r,n){if(!n||!this.match(o.question))return
super.parseConditional(e,t,r,n);const i=this.tryParse(()=>super.parseConditional(e,t,r));return
i.node?(i.error&&(this.state=i.failState),i.node):(n.start=i.error.pos||this.state.start,e)}parseParenItem(e,t,r){if(e=sup
er.parseParenItem(e,t,r),this.eat(o.question)&&(e.optional=!0,this.resetEndLocation(e)),this.match(o.colon)){const
n=this.startNodeAt(t,r);return
n.expression=e,n.typeAnnotation=this.tsParseTypeAnnotation(),this.finishNode(n,"TSTypeCastExpression")}return
e}parseExportDeclaration(e){const t=this.state.start,r=this.state.startLoc,n=this.eatContextual("declare");let i;return
this.match(o.name)&&(i=this.tsTryParseExportDeclaration()),i||(i=super.parseExportDeclaration(e)),i&&("TSInterf
aceDeclaration"===i.type||"TSTypeAliasDeclaration"===i.type||n)&&(e.exportKind="type"),i&&n&&(this.resetSta
rtLocation(i,t,r),i.declare=!0,i)}parseClassId(e,t,r){if(!t||r)&&this.isContextual("implements")}return;super.parseCla
ssId(e,t,r,e.declare?1024:139);const
n=this.tsTryParseTypeParameters();n&&(e.typeParameters=n)}parseClassPropertyAnnotation(e){!e.optional&&this
.eat(o.bang)&&(e.definite=!0);const
t=this.tsTryParseTypeAnnotation();t&&(e.typeAnnotation=t)}parseClassProperty(e){return
this.parseClassPropertyAnnotation(e),this.state.isDeclareContext&&this.match(o.eq)&&this.raise(this.state.start,ae.
DeclareClassFieldHasInitializer),super.parseClassProperty(e)}parseClassPrivateProperty(e){return
e.abstract&&this.raise(e.start,ae.PrivateElementHasAbstract),e.accessibility&&this.raise(e.start,ae.PrivateElementH
asAccessibility,e.accessibility),this.parseClassPropertyAnnotation(e),super.parseClassPrivateProperty(e)}pushClass
Method(e,t,r,n,i,s){const
a=this.tsTryParseTypeParameters();a&&i&&this.raise(a.start,ae.ConstructorHasTypeParameters),a&&(t.typeParam
eters=a),super.pushClassMethod(e,t,r,n,i,s)}pushClassPrivateMethod(e,t,r,n){const
i=this.tsTryParseTypeParameters();i&&(t.typeParameters=i),super.pushClassPrivateMethod(e,t,r,n)}parseClassSupe
r(e){super.parseClassSuper(e),e.superClass&&this.isRelational("<")&&(e.superTypeParameters=this.tsParseTypeA
rguments()),this.eatContextual("implements")&&(e.implements=this.tsParseHeritageClause("implements"))}parseO
bjPropValue(e,...t){const
r=this.tsTryParseTypeParameters();r&&(e.typeParameters=r),super.parseObjPropValue(e,...t)}parseFunctionParams
(e,t){const
r=this.tsTryParseTypeParameters();r&&(e.typeParameters=r),super.parseFunctionParams(e,t)}parseVarId(e,t){super
.parseVarId(e,t),"Identifier"===e.id.type&&this.eat(o.bang)&&(e.definite=!0);const
r=this.tsTryParseTypeAnnotation();r&&(e.id.typeAnnotation=r,this.resetEndLocation(e.id))}parseAsyncArrowFro
mCallExpression(e,t){return
this.match(o.colon)&&(e.returnType=this.tsParseTypeAnnotation()),super.parseAsyncArrowFromCallExpression(e,
t)}parseMaybeAssign(...e){var t,r,n,i,s,a,l;let
c,p,u,d;if(this.match(o.jsxTagStart)){if(c=this.state.clone(),p=this.tryParse(()=>super.parseMaybeAssign(...e),c),!p.e
rror)return p.node;const{context:t}=this.state;t[t.length-1]===g.j_oTag?t.length-=2:t.length-
1]===g.j_expr&&(t.length=1)}if(!(null==(t=p)?void 0:t.error)&&!this.isRelational("<"))return
super.parseMaybeAssign(...e);c=c||this.state.clone();const h=this.tryParse(t=>{var

```

```

r;d=this.tsParseTypeParameters();const
n=super.parseMaybeAssign(...e);return("ArrowFunctionExpression"!==n.type||n.extra&& n.extra.parenthesized)&&t
(),0!==(null==(r=d)?void
0:r.params.length)&&this.resetStartLocationFromNode(n,d,n.typeParameters=d,n},c);if(!h.error&&!h.aborted)retur
n h.node;if(!p&&(se(!this.hasPlugin("jsx")),u=this.tryParse(=>super.parseMaybeAssign(...e),c,!u.error))return
u.node;if(null==(r=p)?void 0:r.node)return this.state=p.failState,p.node;if(h.node)return
this.state=h.failState,h.node;if(null==(n=u)?void 0:n.node)return this.state=u.failState,u.node;if(null==(i=p)?void
0:i.thrown)throw p.error;if(h.thrown)throw h.error;if(null==(s=u)?void 0:s.thrown)throw
u.error;throw(null==(a=p)?void 0:a.error)||h.error||(null==(l=u)?void
0:l.error)}parseMaybeUnary(e){return!this.hasPlugin("jsx")&&this.isRelational("<")?this.tsParseTypeAssertion():s
uper.parseMaybeUnary(e)}parseArrow(e){if(this.match(o.colon)){const t=this.tryParse(e=>{const
t=this.tsParseTypeOrTypePredicateAnnotation(o.colon);return!this.canInsertSemicolon()&&this.match(o.arrow)||e)
,t});if(t.aborted)return;t.throw||(t.error&&(this.state=t.failState),e.returnType=t.node)}return
super.parseArrow(e)}parseAssignableListItemTypes(e){this.eat(o.question)&&("Identifier"===e.type||this.state.isD
eclareContext||this.state.inType||this.raise(e.start,ae.PatternIsOptional),e.optional=!0);const
t=this.tsTryParseTypeAnnotation();return
t&&(e.typeAnnotation=t),this.resetEndLocation(e),e)toAssignable(e){switch(e.type){case"TSTypeCastExpression":
return super.toAssignable(this.typeCastToParameter(e));case"TSParameterProperty":return
super.toAssignable(e);case"TSAsExpression":case"TSNonNullExpression":case"TSTypeAssertion":return
e.expression=this.toAssignable(e.expression),e;default:return
super.toAssignable(e)}checkLVal(e,t=64,r,n){switch(e.type){case"TSTypeCastExpression":return;case"TSParamet
erProperty":return void this.checkLVal(e.parameter,t,r,"parameter
property");case"TSAsExpression":case"TSNonNullExpression":case"TSTypeAssertion":return void
this.checkLVal(e.expression,t,r,n);default:return void
super.checkLVal(e,t,r,n)}parseBindingAtom(){switch(this.state.type){case o._this:return
this.parseIdentifier(!0);default:return
super.parseBindingAtom()}parseMaybeDecoratorArguments(e){if(this.isRelational("<")){const
t=this.tsParseTypeArguments();if(this.match(o.parenL)){const r=super.parseMaybeDecoratorArguments(e);return
r.typeParameters=t,r}this.unexpected(this.state.start,o.parenL)}return
super.parseMaybeDecoratorArguments(e)}isClassMethod(){return
this.isRelational("<")||super.isClassMethod()}isClassProperty(){return
this.match(o.bang)||this.match(o.colon)||super.isClassProperty()}parseMaybeDefault(...e){const
t=super.parseMaybeDefault(...e);return"AssignmentPattern"===t.type&&t.typeAnnotation&&t.right.start<t.typeAn
notation.start&&this.raise(t.typeAnnotation.start,ae.TypeAnnotationAfterAssign),t}getTokenFromCode(e){return!th
is.state.inType||62!==(e&&60!==(e?super.getTokenFromCode(e):this.finishOp(o.relational,1))reScan_lt_gt){if(this.
match(o.relational)){const e=this.input.charCodeAtAt(this.state.start);60!==(e&&62!==(e||(this.state.pos-
=1,this.readToken_lt_gt(e))}toAssignableList(e){for(let t=0;t<e.length;t++){const
r=e[t];if(r)switch(r.type){case"TSTypeCastExpression":e[t]=this.typeCastToParameter(r);break;case"TSAsExpressi
on":case"TSTypeAssertion":this.state.maybeInArrowParameters?this.raise(r.start,ae.UnexpectedTypeCastInParameter):
e[t]=this.typeCastToParameter(r)}return super.toAssignableList(...arguments)}typeCastToParameter(e){return
e.expression.typeAnnotation=e.typeAnnotation,this.resetEndLocation(e.expression,e.typeAnnotation.end,e.typeAnn
otation.loc.end),e.expression}shouldParseArrow(){return
this.match(o.colon)||super.shouldParseArrow()}shouldParseAsyncArrow(){return
this.match(o.colon)||super.shouldParseAsyncArrow()}canHaveLeadingDecorator(){return
super.canHaveLeadingDecorator()}this.isAbstractClass()}jsxParseOpeningElementAfterName(e){if(this.isRelationa
l("<")){const t=this.tsTryParseAndCatch(=>this.tsParseTypeArguments());t&&(e.typeParameters=t)}return
super.jsxParseOpeningElementAfterName(e)}getGetterSetterExpectedParamCount(e){const
t=super.getGetterSetterExpectedParamCount(e),r=e.params[0];return

```

```

r&&"Identifier"===r.type&&"this"===r.name?t+1:t}parseCatchClauseParam(){const
e=super.parseCatchClauseParam(),t=this.tsTryParseTypeAnnotation();return
t&&(e.typeAnnotation=t,this.resetEndLocation(e)),e}tsInDeclareContext(e){const
t=this.state.isDeclareContext;this.state.isDeclareContext=!0;try{return
e()}finally{this.state.isDeclareContext=t}}v8intrinsic:e=>class extends
e{parseV8Intrinsic(){if(this.match(o.modulo)){const
e=this.state.start,t=this.startNode();if(this.eat(o.modulo),this.match(o.name)){const
e=this.parseIdentifierName(this.state.start,r=this.createIdentifier(t,e);if(r.type="V8IntrinsicIdentifier",this.match(o.
parenL))return r}this.unexpected(e)}}parseExprAtom(){return
this.parseV8Intrinsic()||super.parseExprAtom(...arguments)}}placeholders:e=>class extends
e{parsePlaceholder(e){if(this.match(o.placeholder)){const t=this.startNode();return
this.next(),this.assertNoSpace("Unexpected space in
placeholder."),t.name=super.parseIdentifier(!0),this.assertNoSpace("Unexpected space in
placeholder."),this.expect(o.placeholder),this.finishPlaceholder(t,e)}}finishPlaceholder(e,t){const
r=!(e.expectedNode||"Placeholder"!==e.type);return
e.expectedNode=t,r?e:this.finishNode(e,"Placeholder")}getTokenFromCode(e){return
37===e&&37===this.input.charCodeAtAt(this.state.pos+1)?this.finishOp(o.placeholder,2):super.getTokenFromCode(
...arguments)}parseExprAtom(){return
this.parsePlaceholder("Expression")||super.parseExprAtom(...arguments)}parseIdentifier(){return
this.parsePlaceholder("Identifier")||super.parseIdentifier(...arguments)}checkReservedWord(e){void
0!==e&&super.checkReservedWord(...arguments)}parseBindingAtom(){return
this.parsePlaceholder("Pattern")||super.parseBindingAtom(...arguments)}checkLVal(e){"Placeholder"!==e.type&&s
uper.checkLVal(...arguments)}toAssignable(e){return
e&&"Placeholder"===e.type&&"Expression"===e.expectedNode?(e.expectedNode="Pattern",e):super.toAssignabl
e(...arguments)}verifyBreakContinue(e){e.label&&"Placeholder"===e.label.type||super.verifyBreakContinue(...argu
ments)}parseExpressionStatement(e,t){if("Placeholder"!==t.type||t.extra&&t.extra.parenthesized)return
super.parseExpressionStatement(...arguments);if(this.match(o.colon)){const r=e;return
r.label=this.finishPlaceholder(t,"Identifier"),this.next(),r.body=this.parseStatement("label"),this.finishNode(r,"Label
edStatement")}return this.semicolon(),e.name=t.name,this.finishPlaceholder(e,"Statement")}parseBlock(){return
this.parsePlaceholder("BlockStatement")||super.parseBlock(...arguments)}parseFunctionId(){return
this.parsePlaceholder("Identifier")||super.parseFunctionId(...arguments)}parseClass(e,t,r){const
n=t?"ClassDeclaration":"ClassExpression";this.next(),this.takeDecorators(e);const
i=this.state.strict,s=this.parsePlaceholder("Identifier");if(s){if(this.match(o._extends)||this.match(o.placeholder)||this.
match(o.braceL))e.id=s;else{if(r||!t)return
e.id=null,e.body=this.finishPlaceholder(s,"ClassBody"),this.finishNode(e,n);this.unexpected(null,"A class name is
required")}else this.parseClassId(e,t,r);return
this.parseClassSuper(e),e.body=this.parsePlaceholder("ClassBody")||this.parseClassBody(!e.superClass,i),this.finis
hNode(e,n)}parseExport(e){const t=this.parsePlaceholder("Identifier");if(!t)return
super.parseExport(...arguments);if(!this.isContextual("from")&&!this.match(o.comma))return
e.specifiers=[],e.source=null,e.declaration=this.finishPlaceholder(t,"Declaration"),this.finishNode(e,"ExportNamed
Declaration");this.expectPlugin("exportDefaultFrom");const r=this.startNode();return
r.exported=t,e.specifiers=[this.finishNode(r,"ExportDefaultSpecifier")],super.parseExport(e)}isExportDefaultSpecifi
er(){if(this.match(o._default)){const
e=this.nextTokenStart();if(this.isUnparsedContextual(e,"from")&&this.input.startsWith(o.placeholder.label,this.next
TokenStartSince(e+4)))return!0}return
super.isExportDefaultSpecifier()}maybeParseExportDefaultSpecifier(e){return!!(e.specifiers&&e.specifiers.length>
0)||super.maybeParseExportDefaultSpecifier(...arguments)}checkExport(e){const{specifiers:t}=e;(null===t?void
0:t.length)&&(e.specifiers=t.filter(e=>"Placeholder"===e.exported.type)),super.checkExport(e),e.specifiers=t}parse

```

```

Import(e){const t=this.parsePlaceholder("Identifier");if(!t)return
super.parseImport(...arguments);if(e.specifiers=[],!this.isContextual("from")&&!this.match(o.comma))return
e.source=this.finishPlaceholder(t,"StringLiteral"),this.semicolon(),this.finishNode(e,"ImportDeclaration");const
r=this.startNodeAtNode(t);if(r.local=t,this.finishNode(r,"ImportDefaultSpecifier"),e.specifiers.push(r),this.eat(o.com
ma)){this.maybeParseStarImportSpecifier(e)||this.parseNamedImportSpecifiers(e)}return
this.expectContextual("from"),e.source=this.parseImportSource(),this.semicolon(),this.finishNode(e,"ImportDeclara
tion")}}parseImportSource(){return
this.parsePlaceholder("StringLiteral")||super.parseImportSource(...arguments)}}},de=Object.keys(ue),he={sourceTy
pe:"script",sourceFilename:void
0,startLine:1,allowAwaitOutsideFunction:!1,allowReturnOutsideFunction:!1,allowImportExportEverywhere:!1,allo
wSuperOutsideMethod:!1,allowUndeclaredExports:!1,plugins:[],strictMode:null,ranges:!1,tokens:!1,createParenthes
izedExpressions:!1,errorRecovery:!1};class fe{constructor(){this.strict=void 0,this.curLine=void
0,this.startLoc=void 0,this.endLoc=void 0,this.errors=[],this.potentialArrowAt=-
1,this.noArrowAt=[],this.noArrowParamsConversionAt=[],this.maybeInArrowParameters=!1,this.inPipeline=!1,this.i
nType=!1,this.noAnonFunctionType=!1,this.inPropertyName=!1,this.hasFlowComment=!1,this.isIterator=!1,this.i
sDeclareContext=!1,this.topicContext={maxNumOfResolvableTopics:0,maxTopicIndex:null},this.soloAwait=!1,thi
s.inFSharpPipelineDirectBody=!1,this.labels=[],this.decoratorStack=[[]],this.comments=[],this.trailingComments=[]
,this.leadingComments=[],this.commentStack=[],this.commentPreviousNode=null,this.pos=0,this.lineStart=0,this.ty
pe=o.eof,this.value=null,this.start=0,this.end=0,this.lastTokEndLoc=null,this.lastTokStartLoc=null,this.lastTokStart
=0,this.lastTokEnd=0,this.context=[g.braceStatement],this.exprAllowed=!0,this.containsEsc=!1,this.octalPositions=
[],this.exportedIdentifiers=[],this.tokensLength=0}init(e){this.strict=!1!==e.strictMode&&"module"===e.sourceTy
pe,this.curLine=e.startLine,this.startLoc=this.endLoc=this.curPosition()}curPosition(){return new
h(this.curLine,this.pos-this.lineStart)}clone(e){const t=new fe,r=Object.keys(this);for(let
n=0,i=r.length;n<i;n++){const i=r[n];let s=this[i];!e&&Array.isArray(s)&&(s=s.slice()),t[i]=s}return t}}var
me=function(e){return e>=48&&e<=57};const ye=new
Set(["g","m","s","i","y","u"]),Te={decBinOct:[46,66,69,79,95,98,101,111],hex:[46,88,95,120]},be={bin:[48,49];b
e.oct=[...be.bin,50,51,52,53,54,55],be.dec=[...be.oct,56,57],be.hex=[...be.dec,65,66,67,68,69,70,97,98,99,100,101,10
2];class ge{constructor(e){this.type=e.type,this.value=e.value,this.start=e.start,this.end=e.end,this.loc=new
f(e.startLoc,e.endLoc)}}class Se{constructor(){this.shorthandAssign=-1,this.doubleProto=-1}}class
xe{constructor(e,t,r){this.type=void 0,this.start=void 0,this.end=void 0,this.loc=void 0,this.range=void
0,this.leadingComments=void 0,this.trailingComments=void 0,this.innerComments=void 0,this.extra=void
0,this.type="",this.start=t,this.end=0,this.loc=new f(r),(null===e?void
0:e.options.ranges)&&(this.range=[t,0]),(null===e?void
0:e.filename)&&(this.loc.filename=e.filename)}__clone(){const e=new xe,t=Object.keys(this);for(let
r=0,n=t.length;r<n;r++){const
n=t[r];"leadingComments"!==n&&"trailingComments"!==n&&"innerComments"!==n&&(e[n]=this[n])}return
e}}const Ee=e=>"ParenthesizedExpression"===e.type?Ee(e.expression):e;class Pe{constructor(e=0){this.type=void
0,this.type=e}canBeArrowParameterDeclaration(){return
2===this.type||1===this.type}isCertainlyParameterDeclaration(){return 3===this.type}}class ve extends
Pe{constructor(e){super(e),this.errors=new
Map}recordDeclarationError(e,t){this.errors.set(e,t)}clearDeclarationError(e){this.errors.delete(e)}iterateErrors(e){t
his.errors.forEach(e)}class Ae{constructor(e){this.stack=[new
Pe],this.raise=e}enter(e){this.stack.push(e)}exit(){this.stack.pop()}recordParameterInitializerError(e,t){const{stack:
r}=this;let n=r.length-
1,i=r[n];for(;!i.isCertainlyParameterDeclaration();){if(!i.canBeArrowParameterDeclaration())return;i.recordDeclarat
ionError(e,t),i=r[--n]}this.raise(e,t)}recordAsyncArrowParametersError(e,t){const{stack:r}=this;let n=r.length-
1,i=r[n];for(;i.canBeArrowParameterDeclaration();){2===i.type&&i.recordDeclarationError(e,t),i=r[--
n]}validateAsPattern(){const{stack:e}=this,t=e[e.length-

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1];t.canBeArrowParameterDeclaration()&&t.iterateErrors((t,r)=>{this.raise(r,t);let n=e.length-
2,i=e[n];for(;i.canBeArrowParameterDeclaration();i.clearDeclarationError(r),i=e[--n]})}function we(){return new
Pe}const Oe={kind:"loop"},Ie={kind:"switch"},Ce=/[\uD800-\uDFFF]/u;class
Ne{constructor(){this.privateNames=new Set,this.loneAccessors=new Map,this.undefinedPrivateNames=new
Map}}class ke{constructor(e){this.stack=[],this.undefinedPrivateNames=new Map,this.raise=e}current(){return
this.stack[this.stack.length-1]}enter(){this.stack.push(new Ne)}exit(){const e=this.stack.pop(),t=this.current();for(let
r=0,n=Array.from(e.undefinedPrivateNames);r<n.length;r++){const[e,i]=n[r];t.undefinedPrivateNames.has(e)||t.un
definedPrivateNames.set(e,i):this.raise(i,y.InvalidPrivateFieldResolution,e)}declarePrivateName(e,t,r){const
n=this.current();let i=n.privateNames.has(e);if(3&t){const r=i&&n.loneAccessors.get(e);if(r){const
s=4&r,a=4&t;i=(3&r)===(3&t)||s!==a,i||n.loneAccessors.delete(e)}else
i||n.loneAccessors.set(e,t)}i&&this.raise(r,y.PrivateNameRedeclaration,e),n.privateNames.add(e),n.undefinedPrivate
Names.delete(e)}usePrivateName(e,t){let r;for(let
t=0,n=this.stack;t<n.length;t++)if(r=n[t],r.privateNames.has(e))return;r?r.undefinedPrivateNames.set(e,t):this.raise(t
,y.InvalidPrivateFieldResolution,e)}class De extends class extends class extends class extends class extends class
extends class extends class extends class extends class extends class
class{constructor(){this.sawUnambiguousESM=!1,this.ambiguousScriptDifferentAst=!1}hasPlugin(e){return
this.plugins.has(e)}getPluginOption(e,t){if(this.hasPlugin(e))return
this.plugins.get(e)[t]}addComment(e){this.filename&&(e.loc.filename=this.filename),this.state.trailingComments
.push(e),this.state.leadingComments.push(e)}adjustCommentsAfterTrailingComma(e,t,r){if(0===this.state.leadingCo
mments.length)return;let n=null,i=t.length;for(;null===n&&i>0;)n=t[--i];if(null===n)return;for(let
e=0;e<this.state.leadingComments.length;e++)this.state.leadingComments[e].end<this.state.commentPreviousNode.
end&&(this.state.leadingComments.splice(e,1),e--);const s=[];for(let
t=0;t<this.state.leadingComments.length;t++){const
n=this.state.leadingComments[t];n.end<e.end?(s.push(n),r||(this.state.leadingComments.splice(t,1),t--):(void
0===e.trailingComments&&(e.trailingComments=[]),e.trailingComments.push(n))}r&&(this.state.leadingComment
s=[]),s.length>0?n.trailingComments=s:void
0!:=n.trailingComments&&(n.trailingComments=[])}processComment(e){if("Program"===e.type&&e.body.length
>0)return;const t=this.state.commentStack;let
r,n,i,s,a;if(this.state.trailingComments.length>0)this.state.trailingComments[0].start>=e.end?(i=this.state.trailingCo
mments,this.state.trailingComments=[]):this.state.trailingComments.length=0;else if(t.length>0){const
r=m(t);r.trailingComments&&r.trailingComments[0].start>=e.end&&(i=r.trailingComments,delete
r.trailingComments)}for(t.length>0&&m(t).start>=e.start&&(r=t.pop());t.length>0&&m(t).start>=e.start;)n=t.pop();
if(!n&&r&&(n=r),r)switch(e.type){case"ObjectExpression":this.adjustCommentsAfterTrailingComma(e,e.propertie
s);break;case"ObjectPattern":this.adjustCommentsAfterTrailingComma(e,e.properties,!0);break;case"CallExpressio
n":this.adjustCommentsAfterTrailingComma(e,e.arguments);break;case"ArrayExpression":this.adjustCommentsAft
erTrailingComma(e,e.elements);break;case"ArrayPattern":this.adjustCommentsAfterTrailingComma(e,e.elements,!
0)}else
this.state.commentPreviousNode&&("ImportSpecifier"===this.state.commentPreviousNode.type&&"ImportSpecifi
er"!==e.type||"ExportSpecifier"===this.state.commentPreviousNode.type&&"ExportSpecifier"!==e.type)&&this.ad
justCommentsAfterTrailingComma(e,[this.state.commentPreviousNode]);if(n){if(n.leadingComments)if(n!==e&&n
.leadingComments.length>0&&m(n.leadingComments).end<=e.start)e.leadingComments=n.leadingComments,delet
e n.leadingComments;else for(s=n.leadingComments.length-2;s>=0;--
s)if(n.leadingComments[s].end<=e.start){e.leadingComments=n.leadingComments.splice(0,s+1);break}}else
if(this.state.leadingComments.length>0)if(m(this.state.leadingComments).end<=e.start){if(this.state.commentPrevio
usNode)for(a=0;a<this.state.leadingComments.length;a++)this.state.leadingComments[a].end<this.state.commentPr
eviousNode.end&&(this.state.leadingComments.splice(a,1),a--
);this.state.leadingComments.length>0&&(e.leadingComments=this.state.leadingComments,this.state.leadingComm
ents=[])}else{for(s=0;s<this.state.leadingComments.length&&!(this.state.leadingComments[s].end>e.start);s++);co

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nst
t=this.state.leadingComments.slice(0,s);t.length&&(e.leadingComments=t),i=this.state.leadingComments.slice(s),0=
==i.length&&(i=null)}if(this.state.commentPreviousNode=e,i)if(i.length&&i[0].start>=e.start&&m(i).end<=e.end)e
.innerComments=i;else{const
t=i.findIndex(t=>t.end>=e.end);t>0?(e.innerComments=i.slice(0,t),e.trailingComments=i.slice(t)):e.trailingCommen
ts=i}t.push(e)}getLocationForPosition(e){let t;return
t=e===this.state.start?this.state.startLoc:e===this.state.lastTokStart?this.state.lastTokStartLoc:e===this.state.end?th
is.state.endLoc:e===this.state.lastTokEnd?this.state.lastTokEndLoc:function(e,t){let
r,n=1,i=0;for(c.lastIndex=0;(r=c.exec(e))&&r.index<t;)n++,i=c.lastIndex;return new h(n,t-
i)}(this.input,e),t)raise(e,t,...r){return this.raiseWithData(e,void 0,t,...r)}raiseWithData(e,t,r,...n){const
i=this.getLocationForPosition(e),s=r.replace(/%(\d+)/g,(e,t)=>n[t]+' (${i.line}:${i.column})');return
this._raise(Object.assign({loc:i,pos:e},t),s)}_raise(e,t){const r=new
SyntaxError(t);if(Object.assign(r,e),this.options.errorRecovery)return
this.isLookahead||this.state.errors.push(r),r;throw r}}constructor(e,t){super(),this.isLookahead=void
0,this.tokens=[],this.state=new
fe,this.state.init(e),this.input=t,this.length=t.length,this.isLookahead=!1}pushToken(e){this.tokens.length=this.state.t
okensLength,this.tokens.push(e),++this.state.tokensLength}next(){this.isLookahead||(this.checkKeywordEscapes(),t
his.options.tokens&&this.pushToken(new
ge(this.state))),this.state.lastTokEnd=this.state.end,this.state.lastTokStart=this.state.start,this.state.lastTokEndLoc=th
is.state.endLoc,this.state.lastTokStartLoc=this.state.startLoc,this.nextToken()}eat(e){return!!this.match(e)&&(this.n
ext(),!0)}match(e){return this.state.type===e}lookahead(){const
e=this.state;this.state=e.clone(!0),this.isLookahead=!0,this.next(),this.isLookahead=!1;const t=this.state;return
this.state=e,t}nextTokenStart(){return
this.nextTokenStartSince(this.state.pos)}nextTokenStartSince(e){u.lastIndex=e;return
e+u.exec(this.input)[0].length}lookaheadCharCode(){return
this.input.charCodeAtAt(this.nextTokenStart())}setStrict(e){if(this.state.strict=e,this.match(o.num)||this.match(o.string
))for(this.state.pos=this.state.start;this.state.pos<this.state.lineStart;)this.state.lineStart=this.input.lastIndexOf("\n",
this.state.lineStart-2)+1,--this.state.curLine;this.nextToken()}curContext(){return
this.state.context[this.state.context.length-1]}nextToken(){const e=this.curContext();if((null===e?void
0:e.preserveSpace)||this.skipSpace(),this.state.octalPositions=[],this.state.start=this.state.pos,this.state.startLoc=this.s
tate.curPosition(),this.state.pos>=this.length)return void this.finishToken(o.eof);const t=null===e?void
0:e.override;t?(this):this.getTokenFromCode(this.input.codePointAt(this.state.pos))}pushComment(e,t,r,n,i,s){const
a={type:e?"CommentBlock":"CommentLine",value:t,start:r,end:n,loc:new
f(i,s)};this.options.tokens&&this.pushToken(a),this.state.comments.push(a),this.addComment(a)}skipBlockComme
nt(){const e=this.state.curPosition(),t=this.state.pos,r=this.input.indexOf("*/",this.state.pos+2);if(-1===r)throw
this.raise(t,y.UnterminatedComment);let
n;for(this.state.pos=r+2,c.lastIndex=t;(n=c.exec(this.input))&&n.index<this.state.pos;)+this.state.curLine,this.state.
lineStart=n.index+n[0].length;this.isLookahead||this.pushComment(!0,this.input.slice(t+2,r),t,this.state.pos,e,this.stat
e.curPosition())}skipLineComment(e){const t=this.state.pos,r=this.state.curPosition();let
n=this.input.charCodeAtAt(this.state.pos+e);if(this.state.pos<this.length)for(;!p(n)&&++this.state.pos<this.length;)n
=this.input.charCodeAtAt(this.state.pos);this.isLookahead||this.pushComment(!1,this.input.slice(t+e,this.state.pos),t,thi
s.state.pos,r,this.state.curPosition())}skipSpace(){e:for(;this.state.pos<this.length;){const
e=this.input.charCodeAtAt(this.state.pos);switch(e){case 32:case 160:case 9:++this.state.pos;break;case
13:10===this.input.charCodeAtAt(this.state.pos+1)&&++this.state.pos;case 10:case 8232:case
8233:++this.state.pos,++this.state.curLine,this.state.lineStart=this.state.pos;break;case
47:switch(this.input.charCodeAtAt(this.state.pos+1)){case 42:this.skipBlockComment();break;case
47:this.skipLineComment(2);break;default:break e}break;default:if(!d(e))break
e;++this.state.pos}}finishToken(e,t){this.state.end=this.state.pos,this.state.endLoc=this.state.curPosition();const

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r=this.state.type;this.state.type=e,this.state.value=t,this.isLookahead||this.updateContext(r)}readToken_numberSign(
){if(0===this.state.pos&&this.readToken_interpreter())return;const
e=this.state.pos+1,t=this.input.charCodeAt(e);if(t>=48&&t<=57)throw
this.raise(this.state.pos,y.UnexpectedDigitAfterHash);if(123===t||91===t&&this.hasPlugin("recordAndTuple")){if(t
his.expectPlugin("recordAndTuple"),"hash"!==this.getPluginOption("recordAndTuple","syntaxType"))throw
this.raise(this.state.pos,123===t?y.RecordExpressionHashIncorrectStartSyntaxType:y.TupleExpressionHashIncorrec
tStartSyntaxType);123===t?this.finishToken(o.braceHashL):this.finishToken(o.bracketHashL),this.state.pos+=2}e
lse this.finishOp(o.hash,1)}readToken_dot(){const
e=this.input.charCodeAt(this.state.pos+1);e>=48&&e<=57?this.readNumber(!0):46===e&&46===this.input.charC
odeAt(this.state.pos+2)?(this.state.pos+=3,this.finishToken(o.ellipsis)):(++this.state.pos,this.finishToken(o.dot))}rea
dToken_slash(){if(this.state.exprAllowed&&!this.state.inType)return++this.state.pos,void
this.readRegexp();61===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.assign,2):this.finishOp(o.slash,1)}r
eadToken_interpreter(){if(0!==this.state.pos||this.length<2)return!1;let
e=this.input.charCodeAt(this.state.pos+1);if(33!==e)return!1;const
t=this.state.pos;for(this.state.pos+=1;!p(e)&&++this.state.pos<this.length;)e=this.input.charCodeAt(this.state.pos);c
onst r=this.input.slice(t+2,this.state.pos);return
this.finishToken(o.interpreterDirective,r,!0)}readToken_mult_modulo(e){let
t=42===e?o.star:o.modulo,r=1,n=this.input.charCodeAt(this.state.pos+1);const
i=this.state.exprAllowed;42===e&&42===n&&(r++,n=this.input.charCodeAt(this.state.pos+2),t=o.exponent),61!=
=n||i||(r++,t=o.assign),this.finishOp(t,r)}readToken_pipe_amp(e){const
t=this.input.charCodeAt(this.state.pos+1);if(t!==e){if(124===e){if(62===t)return void
this.finishOp(o.pipeline,2);if(this.hasPlugin("recordAndTuple")&&125===t){if("bar"!==this.getPluginOption("reco
rdAndTuple","syntaxType"))throw this.raise(this.state.pos,y.RecordExpressionBarIncorrectEndSyntaxType);return
void
this.finishOp(o.braceBarR,2)}if(this.hasPlugin("recordAndTuple")&&93===t){if("bar"!==this.getPluginOption("re
cordAndTuple","syntaxType"))throw this.raise(this.state.pos,y.TupleExpressionBarIncorrectEndSyntaxType);return
void
this.finishOp(o.bracketBarR,2)}}61!==t?this.finishOp(124===e?o.bitwiseOR:o.bitwiseAND,1):this.finishOp(o.assi
gn,2)}else
61===this.input.charCodeAt(this.state.pos+2)?this.finishOp(o.assign,3):this.finishOp(124===e?o.logicalOR:o.logic
alAND,2)}readToken_caret(){61===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.assign,2):this.finishOp
(o.bitwiseXOR,1)}readToken_plus_min(e){const t=this.input.charCodeAt(this.state.pos+1);if(t===e)return
45!==t||this.inModule||62!==this.input.charCodeAt(this.state.pos+2)||0!==this.state.lastTokEnd&&!this.hasPrecedin
gLineBreak()?void this.finishOp(o.incDec,2):(this.skipLineComment(3),this.skipSpace(),void
this.nextToken());61===t?this.finishOp(o.assign,2):this.finishOp(o.plusMin,1)}readToken_lt_gt(e){const
t=this.input.charCodeAt(this.state.pos+1);let r=1;return
t===e?(r=62===e&&62===this.input.charCodeAt(this.state.pos+2)?3:2,61===this.input.charCodeAt(this.state.pos+
r)?void this.finishOp(o.assign,r+1):void
this.finishOp(o.bitShift,r):33!==t||60!==e||this.inModule||45!==this.input.charCodeAt(this.state.pos+2)||45!==this.in
put.charCodeAt(this.state.pos+3)?(61===t&&(r=2),void
this.finishOp(o.relational,r):(this.skipLineComment(4),this.skipSpace(),void
this.nextToken()))}readToken_eq_excl(e){const t=this.input.charCodeAt(this.state.pos+1);if(61!==t)return
61===e&&62===t?(this.state.pos+=2,void this.finishToken(o.arrow)):void
this.finishOp(61===e?o.eq:o.bang,1);this.finishOp(o.equality,61===this.input.charCodeAt(this.state.pos+2)?3:2)}re
adToken_question(){const
e=this.input.charCodeAt(this.state.pos+1),t=this.input.charCodeAt(this.state.pos+2);63===e?61===t?this.finishOp(
o.assign,3):this.finishOp(o.nullishCoalescing,2):46!==e||t>=48&&t<=57?(++this.state.pos,this.finishToken(o.questi
on)):this.state.pos+=2,this.finishToken(o.questionDot)}getTokenFromCode(e){switch(e){case 46:return void

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this.readToken_dot();case 40:return++this.state.pos,void this.finishToken(o.parenL);case
41:return++this.state.pos,void this.finishToken(o.parenR);case 59:return++this.state.pos,void
this.finishToken(o.semi);case 44:return++this.state.pos,void this.finishToken(o.comma);case
91:if(this.hasPlugin("recordAndTuple")&&124===this.input.charCodeAtAt(this.state.pos+1)){if("bar"!==this.getPlugi
nOption("recordAndTuple","syntaxType"))throw
this.raise(this.state.pos,y.TupleExpressionBarIncorrectStartSyntaxType);this.finishToken(o.bracketBarL),this.state.p
os+=2}else++this.state.pos,this.finishToken(o.bracketL);return;case 93:return++this.state.pos,void
this.finishToken(o.bracketR);case
123:if(this.hasPlugin("recordAndTuple")&&124===this.input.charCodeAtAt(this.state.pos+1)){if("bar"!==this.getPlugi
nOption("recordAndTuple","syntaxType"))throw
this.raise(this.state.pos,y.RecordExpressionBarIncorrectStartSyntaxType);this.finishToken(o.braceBarL),this.state.p
os+=2}else++this.state.pos,this.finishToken(o.braceL);return;case 125:return++this.state.pos,void
this.finishToken(o.braceR);case 58:return
void(this.hasPlugin("functionBind")&&58===this.input.charCodeAtAt(this.state.pos+1)?this.finishOp(o.doubleColon,
2):(++this.state.pos,this.finishToken(o.colon)));case 63:return void this.readToken_question();case
96:return++this.state.pos,void this.finishToken(o.backQuote);case 48:{const
e=this.input.charCodeAtAt(this.state.pos+1);if(120===e||88===e)return void
this.readRadixNumber(16);if(111===e||79===e)return void this.readRadixNumber(8);if(98===e||66===e)return
void this.readRadixNumber(2)}case 49:case 50:case 51:case 52:case 53:case 54:case 55:case 56:case 57:return void
this.readNumber(!1);case 34:case 39:return void this.readString(e);case 47:return void this.readToken_slash();case
37:case 42:return void this.readToken_mult_modulo(e);case 124:case 38:return void
this.readToken_pipe_amp(e);case 94:return void this.readToken_caret();case 43:case 45:return void
this.readToken_plus_min(e);case 60:case 62:return void this.readToken_lt_gt(e);case 61:case 33:return void
this.readToken_eq_excl(e);case 126:return void this.finishOp(o.tilde,1);case 64:return++this.state.pos,void
this.finishToken(o.at);case 35:return void this.readToken_numberSign();case 92:return void
this.readWord();default:if(O(e))return void this.readWord()}throw
this.raise(this.state.pos,y.InvalidOrUnexpectedToken,String.fromCodePoint(e))}finishOp(e,t){const
r=this.input.slice(this.state.pos,this.state.pos+t);this.state.pos+=t,this.finishToken(e,r)}readRegExp(){const
e=this.state.pos;let t,r;for(;;){if(this.state.pos>=this.length)throw this.raise(e,y.UnterminatedRegExp);const
n=this.input.charAt(this.state.pos);if(l.test(n))throw
this.raise(e,y.UnterminatedRegExp);if(t=!1}else{if("[===n)r=!0;else if("]===n&&r)=!1;else
if("/===n&&!r)break;t="\\\\"===n}++this.state.pos}const n=this.input.slice(e,this.state.pos);++this.state.pos;let
i="";for(;this.state.pos<this.length;){const
e=this.input[this.state.pos],t=this.input.codePointAt(this.state.pos);if(ye.has(e))i.indexOf(e)>-
1&&this.raise(this.state.pos+1,y.DuplicateRegExpFlags);else{if(!i(t)&&92!==t)break;this.raise(this.state.pos+1,y.
MalformedRegExpFlags)}++this.state.pos,i+=e}this.finishToken(o.regexp,{pattern:n,flags:i})}readInt(e,t,r,n=!0){c
onst i=this.state.pos,s=16===e?Te.hex:Te.decBinOct,a=16===e?be.hex:10===e?be.dec:8===e?be.oct:be.bin;let
o=!1,l=0;for(let i=0,c=null===t?1/0:t;i<c;++i){const t=this.input.charCodeAtAt(this.state.pos);let
c;if(95!==t){if(c=t>=97?t-97+10:t>=65?t-65+10:me(t)?t-
48:1/0,c>=e)if(this.options.errorRecovery&&c<=9)c=0,this.raise(this.state.start+i+2,y.InvalidDigit,e);else{if(!r)bre
ak;c=0,o=!0}++this.state.pos,l=1*e+c}const e=this.input.charCodeAtAt(this.state.pos-
1),t=this.input.charCodeAtAt(this.state.pos+1);(-1===a.indexOf(t)||s.indexOf(e)>-1||s.indexOf(t)>-
1||Number.isNaN(t))&&this.raise(this.state.pos,y.UnexpectedNumericSeparator),n||this.raise(this.state.pos,y.Numeri
cSeparatorInEscapeSequence),++this.state.pos}}return this.state.pos===i||null!=t&&this.state.pos-
i!==t||o?null:l}readRadixNumber(e){const t=this.state.pos;let r=!1;this.state.pos+=2;const
n=this.readInt(e);null===n&&this.raise(this.state.start+2,y.InvalidDigit,e);const
i=this.input.charCodeAtAt(this.state.pos);if(110===i)++this.state.pos,r=!0;else if(109===i)throw
this.raise(t,y.InvalidDecimal);if(O(this.input.codePointAt(this.state.pos)))throw

```

```

this.raise(this.state.pos,y.NumberIdentifier);if(r){ const
e=this.input.slice(t,this.state.pos).replace(/[_n]/g, "");this.finishToken(o.bigint,e)}else
this.finishToken(o.num,n)}readNumber(e){ const t=this.state.pos;let
r=!1,n=!1,i=!1,s=!1,a=!1,e|null!==(this.readInt(10)||this.raise(t,y.InvalidNumber));const l=this.state.pos-
t>=2&&48===this.input.charCodeAtAt(t);if(l){ const
e=this.input.slice(t,this.state.pos);if(this.state.strict)this.raise(t,y.StrictOctalLiteral);else{ const
r=e.indexOf("_");r>0&&this.raise(r+t,y.ZeroDigitNumericSeparator)}a=l&&![89]/.test(e)}let
c=this.input.charCodeAtAt(this.state.pos);if(46!==(c||a)(++this.state.pos,this.readInt(10),r=!0,c=this.input.charCodeAtAt(
his.state.pos)),69!==(c&&101!==(c||a)(c=this.input.charCodeAtAt(++this.state.pos),43!==(c&&45!==(c||++this.state.pos,
null===this.readInt(10)&&this.raise(t,y.InvalidOrMissingExponent),r=!0,s=!0,c=this.input.charCodeAtAt(this.state.po
s)),110===c&&((r||l)&&this.raise(t,y.InvalidBigIntLiteral),++this.state.pos,n=!0),109===c&&(this.expectPlugin("d
ecimal",this.state.pos),(s||l)&&this.raise(t,y.InvalidDecimal),++this.state.pos,i=!0),O(this.input.codePointAt(this.stat
e.pos)))throw this.raise(this.state.pos,y.NumberIdentifier);const
p=this.input.slice(t,this.state.pos).replace(/[_mn]/g, "");if(n)return void this.finishToken(o.bigint,p);if(i)return void
this.finishToken(o.decimal,p);const
u=a?parseInt(p,8):parseFloat(p);this.finishToken(o.num,u)}readCodePoint(e){let
t;if(123===this.input.charCodeAtAt(this.state.pos)){ const
r=++this.state.pos;if(t=this.readHexChar(this.input.indexOf(")",this.state.pos)-
this.state.pos,!0,e),++this.state.pos,null!==(t&&t>1114111)){if(!e)return null;this.raise(r,y.InvalidCodePoint)} }else
t=this.readHexChar(4,!1,e);return t}readString(e){let
t="",r=++this.state.pos;for(;;){ if(this.state.pos>=this.length)throw
this.raise(this.state.start,y.UnterminatedString);const
n=this.input.charCodeAtAt(this.state.pos);if(n===e)break;if(92===n)t+=this.input.slice(r,this.state.pos),t+=this.readEs
capedChar(!1),r=this.state.pos;else
if(8232===n||8233===n)++this.state.pos,++this.state.curLine,this.state.lineStart=this.state.pos;else{ if(p(n))throw
this.raise(this.state.start,y.UnterminatedString);++this.state.pos } }t+=this.input.slice(r,this.state.pos++),this.finishTo
ken(o.string,t)}readTplToken(){ let e="",t=this.state.pos,r=!1;for(;;){ if(this.state.pos>=this.length)throw
this.raise(this.state.start,y.UnterminatedTemplate);const
n=this.input.charCodeAtAt(this.state.pos);if(96===n||36===n&&123===this.input.charCodeAtAt(this.state.pos+1))retur
n this.state.pos===this.state.start&&this.match(o.template)?36===n?(this.state.pos+=2,void
this.finishToken(o.dollarBraceL)):(++this.state.pos,void
this.finishToken(o.backQuote)):(e+=this.input.slice(t,this.state.pos),void
this.finishToken(o.template,r?null:e));if(92===n){ e+=this.input.slice(t,this.state.pos);const
n=this.readEscapedChar(!0);null===n?r=!0:e+=n,t=this.state.pos }else
if(p(n)){ switch(e+=this.input.slice(t,this.state.pos),++this.state.pos,n){ case
13:10===this.input.charCodeAtAt(this.state.pos)&&++this.state.pos;case
10:e+="\n";break;default:e+=String.fromCharCode(n)}++this.state.curLine,this.state.lineStart=this.state.pos,t=this.
state.pos }else++this.state.pos } }readEscapedChar(e){ const
t=!e,r=this.input.charCodeAtAt(++this.state.pos);switch(++this.state.pos,r){ case 110:return"\n";case
114:return"\r";case 120:{ const e=this.readHexChar(2,!1,t);return null===e?null:String.fromCharCode(e)}case
117:{ const e=this.readCodePoint(t);return null===e?null:String.fromCodePoint(e)}case 116:return"\t";case
98:return"\b";case 118:return"\v";case 102:return"\f";case
13:10===this.input.charCodeAtAt(this.state.pos)&&++this.state.pos;case
10:this.state.lineStart=this.state.pos,++this.state.curLine;case 8232:case 8233:return"";case 56:case 57:if(e)return
null;this.state.strict&&this.raise(this.state.pos-1,y.StrictNumericEscape);default:if(r>=48&&r<=55){ const
t=this.state.pos-1;let r=this.input.substr(this.state.pos-1,3).match(/^[0-
7]+/)[0],n=parseInt(r,8);n>255&&(r=r.slice(0,-1),n=parseInt(r,8)),this.state.pos+=r.length-1;const
i=this.input.charCodeAtAt(this.state.pos);if("0"!==(r||56===i||57===i){ if(e)return

```

```

null;this.state.strict?this.raise(t,y.StrictNumericEscape):this.state.octalPositions.push(t)}return
String.fromCharCode(n)}return String.fromCharCode(r)}readHexChar(e,t,r){const
n=this.state.pos,i=this.readInt(16,e,t,!1);return
null===i&&(r?this.raise(n,y.InvalidEscapeSequence):this.state.pos=n-1,i)}readWord1(){let
e="";this.state.containsEsc=!1;const t=this.state.pos;let r=this.state.pos;for(;this.state.pos<this.length;){const
n=this.input.codePointAt(this.state.pos);if(I(n))this.state.pos+=n<=65535?1:2;else
if(this.state.isIterator&&64===n)++this.state.pos;else{if(92!==n)break;{this.state.containsEsc=!0,e+=this.input.slic
e(r,this.state.pos);const
n=this.state.pos,i=this.state.pos===t?O:I;if(117!==this.input.charCodeAt(++this.state.pos)){this.raise(this.state.pos,
y.MissingUnicodeEscape);continue}++this.state.pos;const
s=this.readCodePoint(!0);null!==s&&(i(s)||this.raise(n,y.EscapedCharNotAnIdentifier),e+=String.fromCharCode(s)
),r=this.state.pos}}return
e+this.input.slice(r,this.state.pos)}isIterator(e){return"@ @iterator"===e||"@ @asyncIterator"===e}readWord(){con
st
e=this.readWord1(),t=i.get(e)||o.name;!this.state.isIterator||this.isIterator(e)&&this.state.inType||this.raise(this.state.p
os,y.InvalidIdentifier,e),this.finishToken(t,e)}checkKeywordEscapes(){const
e=this.state.type.keyword;e&&this.state.containsEsc&&this.raise(this.state.start,y.InvalidEscapedReservedWord,e)}
braceIsBlock(e){const t=this.curContext();return
t===g.functionExpression||t===g.functionStatement||(e!===o.colon||t===g.braceStatement&&t===g.braceExpression?
e===o._return||e===o.name&&this.state.exprAllowed?this.hasPrecedingLineBreak():e===o._else||e===o.semi||e===
=o.eof||e===o.parenR||e===o.arrow||(e===o.braceL?t===g.braceStatement:e!===o._var&&e!===o._const&&e!===o.na
me&&(e===o.relational||!this.state.exprAllowed)):!t.isExpr)}updateContext(e){const t=this.state.type;let
r;!t.keyword||e!===o.dot&&e!===o.questionDot?(r=t.updateContext)?r.call(this,e):this.state.exprAllowed=t.beforeExp
r:this.state.exprAllowed=!1}}addExtra(e,t,r){if(!e)return;(e.extra=e.extra||{})[t]=r}isRelational(e){return
this.match(o.relational)&&this.state.value===e}expectRelational(e){this.isRelational(e)?this.next():this.unexpected(
null,o.relational)}isContextual(e){return
this.match(o.name)&&this.state.value===e&&!this.state.containsEsc}isUnparsedContextual(e,t){const
r=e+t.length;return
this.input.slice(e,r)===t&&(r===this.input.length?!I(this.input.charCodeAt(r))}isLookaheadContextual(e){const
t=this.nextTokenStart();return this.isUnparsedContextual(t,e)}eatContextual(e){return
this.isContextual(e)&&this.eat(o.name)}expectContextual(e,t){this.eatContextual(e)||this.unexpected(null,t)}canInse
rtSemicolon(){return
this.match(o.eof)||this.match(o.braceR)||this.hasPrecedingLineBreak()}hasPrecedingLineBreak(){return
l.test(this.input.slice(this.state.lastTokEnd,this.state.start))}isLineTerminator(){return
this.eat(o.semi)||this.canInsertSemicolon()}semicolon(){this.isLineTerminator()}this.unexpected(null,o.semi)}expec
t(e,t){this.eat(e)||this.unexpected(t,e)}assertNoSpace(e="Unexpected
space."){this.state.start>this.state.lastTokEnd&&this.raise(this.state.lastTokEnd,e)}unexpected(e,t="Unexpected
token"){throw"string"!=typeof t&&(t=`Unexpected token, expected
"${t.label}"`),this.raise(null!=e?e:this.state.start,t)}expectPlugin(e,t){if(!this.hasPlugin(e))throw
this.raiseWithData(null!=t?t:this.state.start,{missingPlugin:[e]},`This experimental syntax requires enabling the
parser plugin: \`${e}\``);return!0}expectOnePlugin(e,t){if(!e.some(e=>this.hasPlugin(e)))throw
this.raiseWithData(null!=t?t:this.state.start,{missingPlugin:e},`This experimental syntax requires enabling one of the
following parser plugin(s): \`${e.join(", ")}\``)}tryParse(e,t=this.state.clone()){const r={node:null};try{const
n=e(e=null)=>{throw r.node=e,r};if(this.state.errors.length>t.errors.length){const e=this.state;return
this.state=t,{node:n,error:e.errors[t.errors.length],thrown:!1,aborted:!1,failState:e}}return{node:n,error:null,thrown:!
1,aborted:!1,failState:null}}catch(e){const n=this.state;if(this.state=t,e instanceof
SyntaxError)return{node:null,error:e,thrown:!0,aborted:!1,failState:n};if(e===r)return{node:r.node,error:null,throw
n:!1,aborted:!0,failState:n};throw

```

```

e } checkExpressionErrors(e,t){ if(!e)return !1;const{ shorthandAssign:r,doubleProto:n }=e;if(!t)return
r>=0||n>=0;r>=0&&this.unexpected(r),n>=0&&this.raise(n,y.DuplicateProto)}isLiteralPropertyName(){ return
this.match(o.name)||!this.state.type.keyword||this.match(o.string)||this.match(o.num)||this.match(o.bigint)||this.matc
h(o.decimal)} } {startNode(){return new xe(this,this.state.start,this.state.startLoc)}startNodeAt(e,t){return new
xe(this,e,t)}startNodeAtNode(e){return this.startNodeAt(e.start,e.loc.start)}finishNode(e,t){return
this.finishNodeAt(e,t,this.state.lastTokEnd,this.state.lastTokEndLoc)}finishNodeAt(e,t,r,n){return
e.type=t,e.end=r,e.loc.end=n,this.options.ranges&&(e.range[1]=r),this.processComment(e,e)resetStartLocation(e,t,
r){e.start=t,e.loc.start=r,this.options.ranges&&(e.range[0]=t)}resetEndLocation(e,t=this.state.lastTokEnd,r=this.stat
e.lastTokEndLoc){e.end=t,e.loc.end=r,this.options.ranges&&(e.range[1]=t)}resetStartLocationFromNode(e,t){this.r
esetStartLocation(e,t.start,t.loc.start)} } {toAssignable(e){ var t,r;let n=void
0;switch(("ParenthesizedExpression"===e.type||(null==(t=e.extra)?void
0:t.parenthesized))&&(n=Ee(e),"Identifier"!==n.type&&"MemberExpression"!==n.type&&this.raise(e.start,y.Invalid
ParenthesizedAssignment)),e.type){ case "Identifier":case "ObjectPattern":case "ArrayPattern":case "AssignmentPatte
rn":break;case "ObjectExpression":e.type="ObjectPattern";for(let t=0,r=e.properties.length,n=r-1;t<r;t++){ var
i;const
r=e.properties[t],s=t===n,this.toAssignableObjectExpressionProp(r,s)&&"RestElement"===r.type&&(null==(i=e.
extra)?void
0:i.trailingComma)&&this.raiseRestNotLast(e.extra.trailingComma)}break;case "ObjectProperty":this.toAssignable(
e.value);break;case "SpreadElement":{ this.checkToRestConversion(e),e.type="RestElement";const
t=e.argument;this.toAssignable(t);break }case "ArrayExpression":e.type="ArrayPattern",this.toAssignableList(e.elem
ents,null==(r=e.extra)?void
0:r.trailingComma);break;case "AssignmentExpression": "="!==e.operator&&this.raise(e.left.end,y.MissingEqInAssi
gnment),e.type="AssignmentPattern",delete
e.operator,this.toAssignable(e.left);break;case "ParenthesizedExpression":this.toAssignable(n)}return
e }toAssignableObjectExpressionProp(e,t){ if("ObjectMethod"===e.type){ const
t="get"===e.kind||"set"===e.kind?y.PatternHasAccessor:y.PatternHasMethod;this.raise(e.key.start,t)}else"SpreadEl
ement"!==e.type||t?this.toAssignable(e):this.raiseRestNotLast(e.start)}toAssignableList(e,t){ let
r=e.length;if(r){const n=e[r-1];if("RestElement"===(null==n?void 0:n.type))--r;else
if("SpreadElement"===(null==n?void 0:n.type)){n.type="RestElement";const
e=n.argument;this.toAssignable(e),"Identifier"!==e.type&&"MemberExpression"!==e.type&&"ArrayPattern"!==e.t
ype&&"ObjectPattern"!==e.type&&this.unexpected(e.start),t&&this.raiseTrailingCommaAfterRest(t,--r)}for(let
t=0;t<r;t++){const
r=e[t];r&&(this.toAssignable(r),"RestElement"===r.type&&this.raiseRestNotLast(r.start))}return
e }toReferencedList(e,t){return e }toReferencedListDeep(e,t){ this.toReferencedList(e,t);for(let
t=0;t<e.length;t++){const r=e[t];"ArrayExpression"===(null==r?void
0:r.type)&&this.toReferencedListDeep(r.elements)} }parseSpread(e,t){const r=this.startNode();return
this.next(),r.argument=this.parseMaybeAssignAllowIn(e,void
0,t),this.finishNode(r,"SpreadElement")}parseRestBinding(){const e=this.startNode();return
this.next(),e.argument=this.parseBindingAtom(),this.finishNode(e,"RestElement")}parseBindingAtom(){switch(this
.state.type){ case o.bracketL:{const e=this.startNode();return
this.next(),e.elements=this.parseBindingList(o.bracketR,93,!0),this.finishNode(e,"ArrayPattern")}case
o.braceL:return this.parseObjectLike(o.braceR,!0)}return this.parseIdentifier()}parseBindingList(e,t,r,n){const
i=[];let
s=!0;for(;!this.eat(e);if(s?s=!1:this.expect(o.comma),r&&this.match(o.comma))i.push(null);else{if(this.eat(e))break
;if(this.match(o.ellipsis)){i.push(this.parseAssignableListItemTypes(this.parseRestBinding())),this.checkCommaAft
erRest(t),this.expect(e);break } }const
e=[];for(this.match(o.at)&&this.hasPlugin("decorators")&&this.raise(this.state.start,y.UnsupportedParameterDecora
tor);this.match(o.at);)e.push(this.parseDecorator());i.push(this.parseAssignableListItem(n,e)) }return

```

```

i)parseAssignableListItem(e,t){const r=this.parseMaybeDefault();this.parseAssignableListItemTypes(r);const
n=this.parseMaybeDefault(r.start,r.loc.start,r);return
t.length&&(r.decorators=t),n)parseAssignableListItemTypes(e){return e}parseMaybeDefault(e,t,r){var
n,i,s;if(t=null!==(n=t)?n:this.state.startLoc,e=null!==(i=e)?i:this.state.start,r=null!==(s=r)?s:this.parseBindingAtom(),!th
is.eat(o.eq))return r;const a=this.startNodeAt(e,t);return
a.left=r,a.right=this.parseMaybeAssignAllowIn(),this.finishNode(a,"AssignmentPattern")}checkLVal(e,t=64,r,n,i,s=
!1){switch(e.type){case"Identifier":if(this.state.strict&&(s?F(e.name,this.inModule):j(e.name))&&this.raise(e.start,6
4===t?y.StrictEvalArguments:y.StrictEvalArgumentsBinding,e.name),r){const
t="_"+e.name;r[t]?this.raise(e.start,y.ParamDupe):r[t]=!0}i&&"let"===e.name&&this.raise(e.start,y.LetInLexicalBi
nding),64&t||this.scope.declareName(e.name,t,e.start);break;case"MemberExpression":64!==t&&this.raise(e.start,y.
InvalidPropertyBindingPattern);break;case"ObjectPattern":for(let n=0,s=e.properties;n<s.length;n++){let
e=s[n];if("ObjectProperty"===e.type)e=e.value;else
if("ObjectMethod"===e.type)continue;this.checkLVal(e,t,r,"object destructuring
pattern",i)}break;case"ArrayPattern":for(let n=0,s=e.elements;n<s.length;n++){const
e=s[n];e&&this.checkLVal(e,t,r,"array destructuring
pattern",i)}break;case"AssignmentPattern":this.checkLVal(e.left,t,r,"assignment
pattern");break;case"RestElement":this.checkLVal(e.argument,t,r,"rest
element");break;case"ParenthesizedExpression":this.checkLVal(e.expression,t,r,"parenthesized
expression");break;default:this.raise(e.start,64===t?y.InvalidLhs:y.InvalidLhsBinding,n)}checkToRestConversion(
e){"Identifier"!==e.argument.type&&"MemberExpression"!==e.argument.type&&this.raise(e.argument.start,y.Invalid
idRestAssignmentPattern)}checkCommaAfterRest(e){this.match(o.comma)&&(this.lookaheadCharCode()===e?thi
s.raiseTrailingCommaAfterRest(this.state.start):this.raiseRestNotLast(this.state.start))}raiseRestNotLast(e){throw
this.raise(e,y.ElementAfterRest)}raiseTrailingCommaAfterRest(e){this.raise(e,y.RestTrailingComma)}{checkProt
o(e,t,r,n){if("SpreadElement"===e.type||"ObjectMethod"===e.type||e.computed||e.shorthand)return;const
i=e.key;if("__proto__"===("Identifier"===i.type?i.name:i.value)){if(t)return void
this.raise(i.start,y.RecordNoProto);r.used&&(n?-
1===n.doubleProto&&(n.doubleProto=i.start):this.raise(i.start,y.DuplicateProto)),r.used=!0}}shouldExitDescending
(e,t){return"ArrowFunctionExpression"===e.type&&e.start===t}getExpression(){let
e=0;this.hasPlugin("topLevelAwait")&&this.inModule&&(e|=2),this.scope.enter(1),this.prodParam.enter(e),this.next
Token();const t=this.parseExpression();return
this.match(o.eof)||this.unexpected(),t.comments=this.state.comments,t.errors=this.state.errors,t)parseExpression(e,t)
{return
e?this.disallowInAnd(=>this.parseExpressionBase(t):this.allowInAnd(=>this.parseExpressionBase(t))}parseExp
ressionBase(e){const
t=this.state.start,r=this.state.startLoc,n=this.parseMaybeAssign(e);if(this.match(o.comma)){const
i=this.startNodeAt(t,r);for(i.expressions=[n];this.eat(o.comma);)i.expressions.push(this.parseMaybeAssign(e));retur
n this.toReferencedList(i.expressions),this.finishNode(i,"SequenceExpression")}return
n}parseMaybeAssignDisallowIn(e,t,r){return
this.disallowInAnd(=>this.parseMaybeAssign(e,t,r))}parseMaybeAssignAllowIn(e,t,r){return
this.allowInAnd(=>this.parseMaybeAssign(e,t,r))}parseMaybeAssign(e,t,r){const
n=this.state.start,i=this.state.startLoc;if(this.isContextual("yield")&&this.prodParam.hasYield){this.state.exprAllow
ed=!0;let e=this.parseYield();return t&&(e=t.call(this,e,n,i),e)}let s;e?s=!1:(e=new
Se,s=!0),(this.match(o.parenL)||this.match(o.name))&&(this.state.potentialArrowAt=this.state.start);let
a=this.parseMaybeConditional(e,r);if(t&&(a=t.call(this,a,n,i)),this.state.type.isAssign){const
t=this.startNodeAt(n,i),r=this.state.value;return
t.operator=r,this.match(o.eq)?(t.left=this.toAssignable(a),e.doubleProto=-
1):t.left=a,e.shorthandAssign>=t.left.start&&(e.shorthandAssign=-1),this.checkLVal(a,void 0,void 0,"assignment
expression"),this.next(),t.right=this.parseMaybeAssign(),this.finishNode(t,"AssignmentExpression")}return

```

```

s&&this.checkExpressionErrors(e,!0),a}parseMaybeConditional(e,t){const
r=this.state.start,n=this.state.startLoc,i=this.state.potentialArrowAt,s=this.parseExprOps(e);return
this.shouldExitDescending(s,i)?s:this.parseConditional(s,r,n,t)}parseConditional(e,t,r,n){if(this.eat(o.question)){con
st n=this.startNodeAt(t,r);return
n.test=e,n.consequent=this.parseMaybeAssignAllowIn(),this.expect(o.colon),n.alternate=this.parseMaybeAssign(),t
his.finishNode(n,"ConditionalExpression")}return e}parseExprOps(e){const
t=this.state.start,r=this.state.startLoc,n=this.state.potentialArrowAt,i=this.parseMaybeUnary(e);return
this.shouldExitDescending(i,n)?i:this.parseExprOp(i,t,r,-1)}parseExprOp(e,t,r,n){let
i=this.state.type.binop;if(null!=i&&(this.prodParam.hasIn||this.match(o._in))&&i>n){const
s=this.state.type;if(s===o.pipeline){if(this.expectPlugin("pipelineOperator"),this.state.inFSharpPipelineDirectBody)
return e;this.state.inPipeline=!0,this.checkPipelineAtInfixOperator(e,t)}const
a=this.startNodeAt(t,r);a.left=e,a.operator=this.state.value,s!==(o.exponent||"UnaryExpression")!==(e.type||this.option
s.createParenthesizedExpressions&&e.extra&&e.extra.parenthesized||this.raise(e.argument.start,y.UnexpectedToken
UnaryExponentiation));const
l=s===o.logicalOR||s===o.logicalAND,c=s===o.nullishCoalescing;if(c&&(i=o.logicalAND.binop),this.next(),s===
o.pipeline&&"minimal"===this.getPluginOption("pipelineOperator","proposal")&&this.match(o.name)&&"await"
===this.state.value&&this.prodParam.hasAwait)throw
this.raise(this.state.start,y.UnexpectedAwaitAfterPipelineBody);a.right=this.parseExprOpRightExpr(s,i),this.finishN
ode(a,l|c?"LogicalExpression":"BinaryExpression");const
p=this.state.type;if(c&&(p===o.logicalOR||p===o.logicalAND)||l&&p===o.nullishCoalescing)throw
this.raise(this.state.start,y.MixingCoalesceWithLogical);return this.parseExprOp(a,t,r,n)}return
e}parseExprOpRightExpr(e,t){const r=this.state.start,n=this.state.startLoc;switch(e){case
o.pipeline:switch(this.getPluginOption("pipelineOperator","proposal")){case"smart":return
this.withTopicPermittingContext(()=>this.parseSmartPipelineBody(this.parseExprOpBaseRightExpr(e,t),r,n));case"f
sharp":return this.withSoloAwaitPermittingContext(()=>this.parseFSharpPipelineBody(t))}default:return
this.parseExprOpBaseRightExpr(e,t)}parseExprOpBaseRightExpr(e,t){const
r=this.state.start,n=this.state.startLoc;return this.parseExprOp(this.parseMaybeUnary(),r,n,e.rightAssociative?t-
1:t)}parseMaybeUnary(e){if(this.isContextual("await")&&this.isAwaitAllowed())return this.parseAwait();const
t=this.match(o.incDec),r=this.startNode();if(this.state.type.prefix){r.operator=this.state.value,r.prefix=!0,this.match(
o._throw)&&this.expectPlugin("throwExpressions");const
n=this.match(o._delete);if(this.next(),r.argument=this.parseMaybeUnary(),this.checkExpressionErrors(e,!0),this.stat
e.strict&&n){const
e=r.argument;"Identifier"===e.type?this.raise(r.start,y.StrictDelete):"MemberExpression"!==e.type&&"OptionalMe
mberExpression"!==e.type||"PrivateName"!==e.property.type||this.raise(r.start,y.DeletePrivateField)}if(!t)return
this.finishNode(r,"UnaryExpression")}return this.parseUpdate(r,t,e)}parseUpdate(e,t,r){if(t)return
this.checkLVal(e.argument,void 0,void 0,"prefix operation"),this.finishNode(e,"UpdateExpression");const
n=this.state.start,i=this.state.startLoc;let s=this.parseExprSubscripts(r);if(this.checkExpressionErrors(r,!1))return
s;for(;this.state.type.postfix&&!this.canInsertSemicolon();){const
e=this.startNodeAt(n,i);e.operator=this.state.value,e.prefix=!1,e.argument=s,this.checkLVal(s,void 0,void 0,"postfix
operation"),this.next(),s=this.finishNode(e,"UpdateExpression")}return s}parseExprSubscripts(e){const
t=this.state.start,r=this.state.startLoc,n=this.state.potentialArrowAt,i=this.parseExprAtom(e);return
this.shouldExitDescending(i,n)?i:this.parseSubscripts(i,t,r)}parseSubscripts(e,t,r,n){const
i={optionalChainMember:!1,maybeAsyncArrow:this.atPossibleAsyncArrow(e),stop:!1};do{e=this.parseSubscript(e,
t,r,n,i),i.maybeAsyncArrow=!1}while(!i.stop);return
e}parseSubscript(e,t,r,n,i){if(!n&&this.eat(o.doubleColon))return
this.parseBind(e,t,r,n,i);if(this.match(o.backQuote))return this.parseTaggedTemplateExpression(e,t,r,i);let
s=!1;if(this.match(o.questionDot)){if(i.optionalChainMember=s,!0,n&&40===this.lookaheadCharCode())return
i.stop=!0,e;this.next()}return!n&&this.match(o.parenL)?this.parseCoverCallAndAsyncArrowHead(e,t,r,i,s):s||this.m

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atch(o.bracketL)||this.eat(o.dot)?this.parseMember(e,t,r,i,s):(i.stop=!0,e)}parseMember(e,t,r,n,i){const
s=this.startNodeAt(t,r),a=this.eat(o.bracketL);s.object=e,s.computed=a;const
l=a?this.parseExpression():this.parseMaybePrivateName(!0);return"PrivateName"===l.type&&("Super"===s.object
.type&&this.raise(t,y.SuperPrivateField),this.classScope.usePrivateName(l.id.name,l.start)),s.property=l,a&&this.ex
pect(o.bracketR),n.optionalChainMember?(s.optional=i,this.finishNode(s,"OptionalMemberExpression")):this.finish
Node(s,"MemberExpression")}parseBind(e,t,r,n,i){const s=this.startNodeAt(t,r);return
s.object=e,s.callee=this.parseNoCallExpr(),i.stop=!0,this.parseSubscripts(this.finishNode(s,"BindExpression"),t,r,n)
}parseCoverCallAndAsyncArrowHead(e,t,r,n,i){const
s=this.state.maybeInArrowParameters;this.state.maybeInArrowParameters=!0,this.next();let
a=this.startNodeAt(t,r);return a.callee=e,n.maybeAsyncArrow&&this.expressionScope.enter(new
ve(2)),n.optionalChainMember&&(a.optional=i),a.arguments=i?this.parseCallExpressionArguments(o.parenR,!1):th
is.parseCallExpressionArguments(o.parenR,n.maybeAsyncArrow,"Import"===e.type,"Super"!==e.type,a),this.finis
hCallExpression(a,n.optionalChainMember),n.maybeAsyncArrow&&this.shouldParseAsyncArrow()&&!i?(n.stop=!
0,this.expressionScope.validateAsPattern(),this.expressionScope.exit(),a=this.parseAsyncArrowFromCallExpression
(this.startNodeAt(t,r),a):(n.maybeAsyncArrow&&this.expressionScope.exit(),this.toReferencedArguments(a),this.
state.maybeInArrowParameters=s,a}toReferencedArguments(e,t){this.toReferencedListDeep(e.arguments,t)}parseT
aggedTemplateExpression(e,t,r,n){const i=this.startNodeAt(t,r);return
i.tag=e,i.quasi=this.parseTemplate(!0),n.optionalChainMember&&this.raise(t,y.OptionalChainingNoTemplate),this.
finishNode(i,"TaggedTemplateExpression")}atPossibleAsyncArrow(e){return"Identifier"===e.type&&"async"===e
.name&&this.state.lastTokEnd===e.end&&!this.canInsertSemicolon()&&e.end-
e.start===5&&e.start===this.state.potentialArrowAt}finishCallExpression(e,t){if("Import"===e.callee.type)if(2===e
.arguments.length&&(this.hasPlugin("moduleAttributes")||this.expectPlugin("importAssertions")),0===e.arguments.
length||e.arguments.length>2)this.raise(e.start,y.ImportCallArity,this.hasPlugin("importAssertions")||this.hasPlugin("
moduleAttributes")?"one or two arguments":"one argument");else for(let t=0,r=e.arguments;t<r.length;t++){const
e=r[t];"SpreadElement"===e.type&&this.raise(e.start,y.ImportCallSpreadArgument)}return
this.finishNode(e,t?"OptionalCallExpression":"CallExpression")}parseCallExpressionArguments(e,t,r,n,i){const
s=[];let a,l=!0;const
c=this.state.inFSharpPipelineDirectBody;for(this.state.inFSharpPipelineDirectBody=!1;!this.eat(e);){if(l)=!1;else
if(this.expect(o.comma),this.match(e)){!r||this.hasPlugin("importAssertions")||this.hasPlugin("moduleAttributes")||th
is.raise(this.state.lastTokStart,y.ImportCallArgumentTrailingComma),i&&this.addExtra(i,"trailingComma",this.stat
e.lastTokStart),this.next();break}this.match(o.parenL)&&!a&&(a=this.state.start),s.push(this.parseExprListItem(!1,t
?new Se:void 0,t?:start:0):void 0,n))}return
t&&a&&this.shouldParseAsyncArrow()&&this.unexpected(),this.state.inFSharpPipelineDirectBody=c,s}shouldPar
seAsyncArrow(){return
this.match(o.arrow)&&!this.canInsertSemicolon()}parseAsyncArrowFromCallExpression(e,t){var r;return
this.expect(o.arrow),this.parseArrowExpression(e,t.arguments,!0,null==(r=t.extra)?void
0:r.trailingComma),e}parseNoCallExpr(){const e=this.state.start,t=this.state.startLoc;return
this.parseSubscripts(this.parseExprAtom(),e,t,!0)}parseExprAtom(e){this.state.type===o.slash&&this.readRegexp()
;const t=this.state.potentialArrowAt===this.state.start;let r;switch(this.state.type){case o._super:return
this.parseSuper();case o._import:return
r=this.startNode(),this.next(),this.match(o.dot)?this.parseImportMetaProperty(r):(this.match(o.parenL)||this.raise(this
.state.lastTokStart,y.UnsupportedImport),this.finishNode(r,"Import"));case o._this:return
r=this.startNode(),this.next(),this.finishNode(r,"ThisExpression");case o.name:{const
e=this.state.containsEsc,r=this.parseIdentifier();if(!e&&"async"===r.name&&!this.canInsertSemicolon()){if(this.m
atch(o._function)){const e=this.state.context.length-1;if(this.state.context[e]!==g.functionStatement)throw new
Error("Internal error");return
this.state.context[e]=g.functionExpression,this.next(),this.parseFunction(this.startNodeAtNode(r),void
0,!0)}if(this.match(o.name))return this.parseAsyncArrowUnaryFunction(r)}return

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t&&this.match(o.arrow)&&!this.canInsertSemicolon()?(this.next(),this.parseArrowExpression(this.startNodeAtNode(r),[r,!1]):r}case o._do:return this.parseDo();case o.regexp:{const e=this.state.value;return r=this.parseLiteral(e.value,"RegExpLiteral"),r.pattern=e.pattern,r.flags=e.flags,r}case o.num:return this.parseLiteral(this.state.value,"NumericLiteral");case o.bigint:return this.parseLiteral(this.state.value,"BigIntLiteral");case o.decimal:return this.parseLiteral(this.state.value,"DecimalLiteral");case o.string:return this.parseLiteral(this.state.value,"StringLiteral");case o._null:return r=this.startNode(),this.next(),this.finishNode(r,"NullLiteral");case o._true:case o._false:return this.parseBooleanLiteral();case o.parenL:return this.parseParenAndDistinguishExpression(t);case o.bracketBarL:case o.bracketHashL:return this.parseArrayLike(this.state.type===o.bracketBarL?o.bracketBarR:o.bracketR,!1,!0,e);case o.bracketL:return this.parseArrayLike(o.bracketR,!0,!1,e);case o.braceBarL:case o.braceHashL:return this.parseObjectLike(this.state.type===o.braceBarL?o.braceBarR:o.braceR,!1,!0,e);case o.braceL:return this.parseObjectLike(o.braceR,!1,!1,e);case o._function:return this.parseFunctionOrFunctionSent();case o.at:this.parseDecorators();case o._class:return r=this.startNode(),this.takeDecorators(r),this.parseClass(r,!1);case o._new:return this.parseNewOrNewTarget();case o.backQuote:return this.parseTemplate(!1);case o.doubleColon:{r=this.startNode(),this.next(),r.object=null;const e=r.callee=this.parseNoCallExpr();if("MemberExpression"===e.type)return this.finishNode(r,"BindExpression");throw this.raise(e.start,y.UnsupportedBind)}case o.hash:{if(this.state.inPipeline)return r=this.startNode(),"smart"!==this.getPluginOption("pipelineOperator","proposal")&&this.raise(r.start,y.PrimaryTopicRequiresSmartPipeline),this.next(),this.primaryTopicReferenceIsAllowedInCurrentTopicContext()||this.raise(r.start,y.PrimaryTopicNotAllowed),this.registerTopicReference(),this.finishNode(r,"PipelinePrimaryTopicReference");const e=this.input.codePointAt(this.state.end);if(O(e)||92===e){const e=this.state.start;if(r=this.parseMaybePrivateName(!0),this.match(o._in))this.expectPlugin("privateIn"),this.classScope.usePrivateName(r.id.name,r.start);else{if(!this.hasPlugin("privateIn"))throw this.unexpected(e);this.raise(this.state.start,y.PrivateInExpectedIn,r.id.name)}return r}}case o.relational:if("<"===this.state.value){const e=this.input.codePointAt(this.nextTokenStart());(O(e)||62===e)&&this.expectOnePlugin(["jsx","flow","typescript"])}default:throw this.unexpected()}parseAsyncArrowUnaryFunction(e){const t=this.startNodeAtNode(e);this.prodParam.enter(ne(!0,this.prodParam.hasYield));const r=[this.parseIdentifier()];return this.prodParam.exit(),this.hasPrecedingLineBreak()&&this.raise(this.state.pos,y.LineTerminatorBeforeArrow),this.expect(o.arrow),this.parseArrowExpression(t,r,!0,t)}parseDo(){this.expectPlugin("doExpressions");const e=this.startNode();this.next();const t=this.state.labels;return this.state.labels=[],e.body=this.parseBlock(),this.state.labels=t,this.finishNode(e,"DoExpression")}parseSuper(){const e=this.startNode();return this.next(),!this.match(o.parenL)||this.scope.allowDirectSuper||this.options.allowSuperOutsideMethod?this.scope.allowSuper||this.options.allowSuperOutsideMethod||this.raise(e.start,y.UnexpectedSuper):this.raise(e.start,y.SuperNotAllowed),this.match(o.parenL)||this.match(o.bracketL)||this.match(o.dot)||this.raise(e.start,y.UnsupportedSuper),this.finishNode(e,"Super")}parseBooleanLiteral(){const e=this.startNode();return e.value=this.match(o._true),this.next(),this.finishNode(e,"BooleanLiteral")}parseMaybePrivateName(e){if(this.match(o.hash)){this.expectOnePlugin(["classPrivateProperties","classPrivateMethods"]),e||this.raise(this.state.pos,y.UnexpectedPrivateField);const t=this.startNode();return this.next(),this.assertNoSpace("Unexpected space between # and identifier"),t.id=this.parseIdentifier(!0),this.finishNode(t,"PrivateName")}return this.parseIdentifier(!0)}parseFunctionOrFunctionSent(){const e=this.startNode();if(this.next(),this.prodParam.hasYield&&this.match(o.dot)){const t=this.createIdentifier(this.startNodeAtNode(e),"function");return

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this.next(),this.parseMetaProperty(e,t,"sent")}return
this.parseFunction(e)}parseMetaProperty(e,t,r){e.meta=t,"function"===t.name&&"sent"===r&&(this.isContextual(
r)?this.expectPlugin("functionSent"):this.hasPlugin("functionSent"))||this.unexpected());const
n=this.state.containsEsc;return
e.property=this.parseIdentifier(!0),(e.property.name!==r||n)&&this.raise(e.property.start,y.UnsupportedMetaPropert
y,t.name,r),this.finishNode(e,"MetaProperty")}parseImportMetaProperty(e){const
t=this.createIdentifier(this.startNodeAtNode(e),"import");return
this.next(),this.isContextual("meta")&&(this.inModule||this.raiseWithData(t.start,{code:"BABEL_PARSER_SOUR
CETYPE_MODULE_REQUIRED"},y.ImportMetaOutsideModule),this.sawUnambiguousESM=!0),this.parseMeta
Property(e,t,"meta")}parseLiteral(e,t,r,n){r=r||this.state.start,n=n||this.state.startLoc;const
i=this.startNodeAt(r,n);return
this.addExtra(i,"rawValue",e),this.addExtra(i,"raw",this.input.slice(r,this.state.end)),i.value=e,this.next(),this.finishN
ode(i,t)}parseParenAndDistinguishExpression(e){const t=this.state.start,r=this.state.startLoc;let
n;this.next(),this.expressionScope.enter(new ve(1));const
i=this.state.maybeInArrowParameters,s=this.state.inFSharpPipelineDirectBody;this.state.maybeInArrowParameters
=!0,this.state.inFSharpPipelineDirectBody=!1;const a=this.state.start,l=this.state.startLoc,c=[],p=new
Se,u={start:0};let d,h,f=!0;for(;!this.match(o.parenR);){if(f)f=!1;else
if(this.expect(o.comma,u.start||null),this.match(o.parenR)){h=this.state.start;break}if(this.match(o.ellipsis)){const
e=this.state.start,t=this.state.startLoc;d=this.state.start,c.push(this.parseParenItem(this.parseRestBinding(),e,t)),this.c
heckCommaAfterRest(41);break}c.push(this.parseMaybeAssignAllowIn(p,this.parseParenItem,u))}const
m=this.state.lastTokEnd,y=this.state.lastTokEndLoc;this.expect(o.parenR),this.state.maybeInArrowParameters=i,thi
s.state.inFSharpPipelineDirectBody=s;let
T=this.startNodeAt(t,r);if(e&&this.shouldParseArrow()&&(T=this.parseArrow(T))){this.expressionScope.validateA
sPattern(),this.expressionScope.exit();for(let e=0;e<c.length;e++){const
t=c[e];t.extra&&t.extra.parenthesized&&this.unexpected(t.extra.parenStart)}return
this.parseArrowExpression(T,c,!1),T}if(this.expressionScope.exit(),c.length||this.unexpected(this.state.lastTokStart),
h&&this.unexpected(h),d&&this.unexpected(d),this.checkExpressionErrors(p,!0),u.start&&this.unexpected(u.start),
this.toReferencedListDeep(c,!0),c.length>1?(n=this.startNodeAt(a,l),n.expressions=c,this.finishNodeAt(n,"Sequenc
eExpression",m,y)):n=c[0],!this.options.createParenthesizedExpressions)return
this.addExtra(n,"parenthesized",!0),this.addExtra(n,"parenStart",t),n;const b=this.startNodeAt(t,r);return
b.expression=n,this.finishNode(b,"ParenthesizedExpression"),b}shouldParseArrow(){return!this.canInsertSemicolo
n()}parseArrow(e){if(this.eat(o.arrow))return e}parseParenItem(e,t,r){return e}parseNewOrNewTarget(){const
e=this.startNode();if(this.next(),this.match(o.dot)){const
t=this.createIdentifier(this.startNodeAtNode(e),"new");this.next();const
r=this.parseMetaProperty(e,t,"target");if(!this.scope.inNonArrowFunction&&this.scope.inClass){let
e=y.UnexpectedNewTarget;this.hasPlugin("classProperties")&&(e+=" or class
properties"),this.raise(r.start,e)}return r}return this.parseNew(e)}parseNew(e){return
e.callee=this.parseNoCallExpr(),"Import"===e.callee.type?this.raise(e.callee.start,y.ImportCallNotNewExpression):
"OptionalMemberExpression"===e.callee.type||"OptionalCallExpression"===e.callee.type?this.raise(this.state.lastT
okEnd,y.OptionalChainingNoNew):this.eat(o.questionDot)&&this.raise(this.state.start,y.OptionalChainingNoNew),t
his.parseNewArguments(e),this.finishNode(e,"NewExpression")}parseNewArguments(e){if(this.eat(o.parenL)){con
st t=this.parseExprList(o.parenR);this.toReferencedList(t),e.arguments=t}else
e.arguments=[]}parseTemplateElement(e){const t=this.startNode();return
null===this.state.value&&(e||this.raise(this.state.start+1,y.InvalidEscapeSequenceTemplate)),t.value={raw:this.inpu
t.slice(this.state.start,this.state.end).replace(/\\r\\n?/g,"\\n"),cooked:this.state.value},this.next(),t.tail=this.match(o.bac
kQuote),this.finishNode(t,"TemplateElement")}parseTemplate(e){const
t=this.startNode();this.next(),t.expressions=[];let
r=this.parseTemplateElement(e);for(t.quasis=[r];!r.tail;)this.expect(o.dollarBraceL),t.expressions.push(this.parseTe

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mplateSubstitution()),this.expect(o.braceR),t.quasis.push(r=this.parseTemplateElement(e));return
this.next(),this.finishNode(t,"TemplateLiteral")}parseTemplateSubstitution(){return
this.parseExpression()}parseObjectLike(e,t,r,n){r&&this.expectPlugin("recordAndTuple");const
i=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!1;const s=Object.create(null);let
a=!0;const l=this.startNode();for(l.properties=[],this.next();!this.match(e);)if(a=!1;else
if(this.expect(o.comma),this.match(e)){this.addExtra(l,"trailingComma",this.state.lastTokStart);break}const
i=this.parsePropertyDefinition(t,n);t||this.checkProto(i,r,s,n),r&&"ObjectProperty"!==i.type&&"SpreadElement"!==
i.type&&this.raise(i.start,y.InvalidRecordProperty),i.shorthand&&this.addExtra(i,"shorthand",!0),l.properties.push(i
)}this.state.exprAllowed=!1,this.next(),this.state.inFSharpPipelineDirectBody=i;let c="ObjectExpression";return
t?c="ObjectPattern":r&&(c="RecordExpression"),this.finishNode(l,c)}maybeAsyncOrAccessorProp(e){return!e.co
mputed&&"Identifier"===e.key.type&&(this.isLiteralPropertyName())||this.match(o.bracketL)||this.match(o.star))}p
arsePropertyDefinition(e,t){let
r=[];if(this.match(o.at))for(this.hasPlugin("decorators")&&this.raise(this.state.start,y.UnsupportedPropertyDecorator
);this.match(o.at);)r.push(this.parseDecorator());const n=this.startNode();let
i,s,a=!1,l=!1,c=!1;if(this.match(o.ellipsis))return
r.length&&this.unexpected(),e?(this.next(),n.argument=this.parseIdentifier(),this.checkCommaAfterRest(125),this.fi
nishNode(n,"RestElement")):this.parseSpread();r.length&&(n.decorators=r,r=[]),n.method=!1,(e||t)&&(i=this.state.s
tart,s=this.state.startLoc),e||(a=this.eat(o.star));const
p=this.state.containsEsc,u=this.parsePropertyName(n,!1);if(!e&&!a&&!p&&this.maybeAsyncOrAccessorProp(n)){
const
e=u.name;"async"!==e||this.hasPrecedingLineBreak()||(l=!0,a=this.eat(o.star),this.parsePropertyName(n,!1)),
"get"!==e&&"set"!==e||(c=!0,n.kind=e,this.match(o.star)&&(a=!0,this.raise(this.state.pos,y.AccessorIsGenerator,e),this.ne
xt()),this.parsePropertyName(n,!1))}return
this.parseObjPropValue(n,i,s,a,l,e,c,t),n}getGetterSetterExpectedParamCount(e){return"get"===e.kind?0:1}getObjec
tOrClassMethodParams(e){return e.params}checkGetterSetterParams(e){var t;const
r=this.getGetterSetterExpectedParamCount(e),n=this.getObjectOrClassMethodParams(e),i=e.start;n.length!==r&&(
"get"===e.kind?this.raise(i,y.BadGetterArity):this.raise(i,y.BadSetterArity)),"set"===e.kind&&"RestElement"===e
null==(t=n[n.length-1])?void
0:t.type)&&this.raise(i,y.BadSetterRestParameter)}parseObjectMethod(e,t,r,n,i){return
i?(this.parseMethod(e,t,!1,!1,!1,"ObjectMethod"),this.checkGetterSetterParams(e),e):r||this.match(o.parenL)?(n&&
this.unexpected(),e.kind="method",e.method=!0,this.parseMethod(e,t,r,!1,!1,"ObjectMethod")):void
0}parseObjectProperty(e,t,r,n,i){return
e.shorthand=!1,this.eat(o.colon)?(e.value=n?this.parseMaybeDefault(this.state.start,this.state.startLoc):this.parseMa
ybeAssignAllowIn(i),this.finishNode(e,"ObjectProperty")):e.computed||"Identifier"===e.key.type?void
0:(this.checkReservedWord(e.key.name,e.key.start,!0,!1),n?e.value=this.parseMaybeDefault(t,r,e.key.__clone()):thi
s.s.match(o.eq)&&i?(-
1===i.shorthandAssign&&(i.shorthandAssign=this.state.start),e.value=this.parseMaybeDefault(t,r,e.key.__clone()))
:e.value=e.key.__clone(),e.shorthand=!0,this.finishNode(e,"ObjectProperty"))}parseObjPropValue(e,t,r,n,i,s,a,o){co
nst l=this.parseObjectMethod(e,n,i,s,a)||this.parseObjectProperty(e,t,r,s,o);return
l||this.unexpected(),l}parsePropertyName(e,t){if(this.eat(o.bracketL))e.computed=!0,e.key=this.parseMaybeAssign
AllowIn(),this.expect(o.bracketR);else{const
r=this.state.inPropertyName;this.state.inPropertyName=!0,e.key=this.match(o.num)||this.match(o.string)||this.match(
o.bigint)||this.match(o.decimal)?this.parseExprAtom():this.parseMaybePrivateName(t,"PrivateName"!==e.key.type
&&(e.computed=!1),this.state.inPropertyName=r)}return
e.key}initFunction(e,t){e.id=null,e.generator=!1,e.async=!t}parseMethod(e,t,r,n,i,s,a=!1){this.initFunction(e,r),e.ge
nerator=!t;const o=n;return
this.scope.enter(18|(a?64:0)|(i?32:0)),this.prodParam.enter(ne(r,e.generator)),this.parseFunctionParams(e,o),this.pars
eFunctionBodyAndFinish(e,s,!0),this.prodParam.exit(),this.scope.exit(),e}parseArrayLike(e,t,r,n){r&&this.expectPl

```

```

ugin("recordAndTuple");const
i=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!1;const s=this.startNode();return
this.next(),s.elements=this.parseExprList(e,!r,n,s),this.state.inFSharpPipelineDirectBody=i,this.finishNode(s,r?"Tuple
eExpression":"ArrayExpression")}parseArrowExpression(e,t,r,n){this.scope.enter(6);let
i=ne(r,!1);!this.match(o.bracketL)&&this.prodParam.hasIn&&(i=8),this.prodParam.enter(i),this.initFunction(e,r);co
nst s=this.state.maybeInArrowParameters;return
t&&(this.state.maybeInArrowParameters=!0,this.setArrowFunctionParameters(e,t,n)),this.state.maybeInArrowPara
meters=!1,this.parseFunctionBody(e,!0),this.prodParam.exit(),this.scope.exit(),this.state.maybeInArrowParameters=
s,this.finishNode(e,"ArrowFunctionExpression")}setArrowFunctionParameters(e,t,r){e.params=this.toAssignableLi
st(t,r)}parseFunctionBodyAndFinish(e,t,r=!1){this.parseFunctionBody(e,!1,r),this.finishNode(e,t)}parseFunctionBo
dy(e,t,r=!1){const
n=t&&!this.match(o.braceL);if(this.expressionScope.enter(we()),n)e.body=this.parseMaybeAssign(),this.checkPara
ms(e,!1,t,!1);else{const
n=this.state.strict,i=this.state.labels;this.state.labels=[],this.prodParam.enter(4|this.prodParam.currentFlags()),e.body
=this.parseBlock(!0,!1,i=>{const s=!this.isSimpleParamList(e.params);if(i&&s){const
t="method"!==e.kind&&"constructor"!==e.kind||!e.key?e.start:e.key.end;this.raise(t,y.IllegalLanguageModeDirecti
ve)}const
a=!n&&this.state.strict;this.checkParams(e,(this.state.strict||t||r|s),t,a),this.state.strict&&e.id&&this.checkLVal(e.id,
65,void 0,"function name",void
0,a)),this.prodParam.exit(),this.expressionScope.exit(),this.state.labels=i}}isSimpleParamList(e){for(let
t=0,r=e.length;t<r;t++)if("Identifier"!==e[t].type)return!1;return!0}checkParams(e,t,r,n=!0){const
i=Object.create(null);for(let r=0;r<e.params.length;r++)this.checkLVal(e.params[r],5,t?null:i,"function parameter
list",void 0,n)}parseExprList(e,t,r,n){const i=[];let s=!0;for(;!this.eat(e);){if(s)s=!1;else
if(this.expect(o.comma),this.match(e)){n&&this.addExtra(n,"trailingComma",this.state.lastTokStart),this.next();bre
ak}i.push(this.parseExprListItem(t,r))return i}parseExprListItem(e,t,r,n){let
i;if(this.match(o.comma))e||this.raise(this.state.pos,y.UnexpectedToken,","),i=null;else
if(this.match(o.ellipsis)){const
e=this.state.start,n=this.state.startLoc;i=this.parseParenItem(this.parseSpread(t,r),e,n)}else
if(this.match(o.question)){this.expectPlugin("partialApplication"),n||this.raise(this.state.start,y.UnexpectedArgument
Placeholder);const e=this.startNode();this.next(),i=this.finishNode(e,"ArgumentPlaceholder")}else
i=this.parseMaybeAssignAllowIn(t,this.parseParenItem,r);return i}parseIdentifier(e){const
t=this.startNode(),r=this.parseIdentifierName(t.start,e);return this.createIdentifier(t,r)}createIdentifier(e,t){return
e.name=t,e.loc.identifierName=t,this.finishNode(e,"Identifier")}parseIdentifierName(e,t){let
r;const{start:n,type:i}=this.state;if(i===o.name)r=this.state.value;else{if(!i.keyword)throw
this.unexpected();{r=i.keyword;const
e=this.curContext();i!==o._class&&i!==o._function||e!==g.functionStatement&&e!==g.functionExpression||this.stat
e.context.pop()}}return
t?this.state.type=o.name:this.checkReservedWord(r,n,!i.keyword,!1),this.next(),r}checkReservedWord(e,t,r,n){if(th
is.prodParam.hasYield&&"yield"===e)return void
this.raise(t,y.YieldBindingIdentifier);if("await"===e){if(this.prodParam.hasAwait)return void
this.raise(t,y.AwaitBindingIdentifier);this.expressionScope.recordAsyncArrowParametersError(t,y.AwaitBindingIde
ntifier)}if(this.scope.inClass&&!this.scope.inNonArrowFunction&&"arguments"===e)return void
this.raise(t,y.ArgumentsInClass);if(r&&R(e))return void
this.raise(t,y.UnexpectedKeyword,e);(this.state.strict?n?F:M:L)(e,this.inModule)&&(this.prodParam.hasAwait||"aw
ait"!==e?this.raise(t,y.UnexpectedReservedWord,e):this.raise(t,this.hasPlugin("topLevelAwait")?y.AwaitNotInAsyn
cContext:y.AwaitNotInAsyncFunction))}isAwaitAllowed(){return
this.scope.inFunction?this.prodParam.hasAwait:!!this.options.allowAwaitOutsideFunction||!this.hasPlugin("topLev
elAwait")&&(this.inModule&&this.prodParam.hasAwait)}parseAwait(){const e=this.startNode();return

```

```

this.next(),this.expressionScope.recordParameterInitializerError(e.start,y.AwaitExpressionFormalParameter),this.eat
(o.star)&&this.raise(e.start,y.ObsoleteAwaitStar),this.scope.inFunction||this.options.allowAwaitOutsideFunction||(th
is.hasPrecedingLineBreak()||this.match(o.plusMin)||this.match(o.parenL)||this.match(o.bracketL)||this.match(o.back
Quote)||this.match(o.regexp)||this.match(o.slash)||this.hasPlugin("v8intrinsic"))&&this.match(o.modulo)?this.ambigu
ousScriptDifferentAst=!0:this.sawUnambiguousESM=!0,this.state.soloAwait||(e.argument=this.parseMaybeUnary(
)),this.finishNode(e,"AwaitExpression")}parseYield(){const e=this.startNode();return
this.expressionScope.recordParameterInitializerError(e.start,y.YieldInParameter),this.next(),this.match(o.semi)||!this
.match(o.star)&&!this.state.type.startsExpr||this.hasPrecedingLineBreak()?(e.delegate=!1,e.argument=null):(e.deleg
ate=this.eat(o.star),e.argument=this.parseMaybeAssign()),this.finishNode(e,"YieldExpression")}checkPipelineAtInf
ixOperator(e,t){"smart"===this.getPluginOption("pipelineOperator","proposal")&&"SequenceExpression"===e.type
e&&this.raise(t,y.PipelineHeadSequenceExpression)}parseSmartPipelineBody(e,t,r){return
this.checkSmartPipelineBodyEarlyErrors(e,t),this.parseSmartPipelineBodyInStyle(e,t,r)}checkSmartPipelineBodyE
arlyErrors(e,t){if(this.match(o.arrow))throw
this.raise(this.state.start,y.PipelineBodyNoArrow);"SequenceExpression"===e.type&&this.raise(t,y.PipelineBodySe
quenceExpression)}parseSmartPipelineBodyInStyle(e,t,r){const
n=this.startNodeAt(t,r),i=this.isSimpleReference(e);return
i?n.callee=e:(this.topicReferenceWasUsedInCurrentTopicContext()||this.raise(t,y.PipelineTopicUnused),n.expressio
n=e),this.finishNode(n,i?"PipelineBareFunction":"PipelineTopicExpression");isSimpleReference(e){switch(e.type)
{case"MemberExpression":return!e.computed&&this.isSimpleReference(e.object);case"Identifier":return!0;default:r
eturn!1}}withTopicPermittingContext(e){const
t=this.state.topicContext,this.state.topicContext={maxNumOfResolvableTopics:1,maxTopicIndex:null};try{return
e()}finally{this.state.topicContext=t}}withTopicForbiddingContext(e){const
t=this.state.topicContext,this.state.topicContext={maxNumOfResolvableTopics:0,maxTopicIndex:null};try{return
e()}finally{this.state.topicContext=t}}withSoloAwaitPermittingContext(e){const
t=this.state.soloAwait,this.state.soloAwait=!0;try{return e()}finally{this.state.soloAwait=t}}allowInAnd(e){const
t=this.prodParam.currentFlags;if(8&~t){this.prodParam.enter(8|t);try{return
e()}finally{this.prodParam.exit()}}return e()}disallowInAnd(e){const
t=this.prodParam.currentFlags;if(8&t){this.prodParam.enter(-9&t);try{return
e()}finally{this.prodParam.exit()}}return
e()}registerTopicReference(){this.state.topicContext.maxTopicIndex=0}primaryTopicReferenceIsAllowedInCurrent
TopicContext(){return
this.state.topicContext.maxNumOfResolvableTopics>=1}topicReferenceWasUsedInCurrentTopicContext(){return
null!=this.state.topicContext.maxTopicIndex&&this.state.topicContext.maxTopicIndex>=0}parseFSharpPipelineBo
dy(e){const t=this.state.start,r=this.state.startLoc,this.state.potentialArrowAt=this.state.start;const
n=this.state.inFSharpPipelineDirectBody,this.state.inFSharpPipelineDirectBody=!0;const
i=this.parseExprOp(this.parseMaybeUnary(),t,r,e);return
this.state.inFSharpPipelineDirectBody=n,i}{parseTopLevel(e,t){if(t.sourceType=this.options.sourceType,t.interpre
ter=this.parseInterpreterDirective(),this.parseBlockBody(t,!0,!0,o.eof),this.inModule&&!this.options.allowUndeclar
edExports&&this.scope.undefinedExports.size>0)for(let
e=0,t=Array.from(this.scope.undefinedExports);e<t.length;e++){const[r]=t[e],n=this.scope.undefinedExports.get(r);
this.raise(n,y.ModuleExportUndefined,r)}return
e.program=this.finishNode(t,"Program"),e.comments=this.state.comments,this.options.tokens&&(e.tokens=this.tok
ens),this.finishNode(e,"File")}stmtToDirective(e){const
t=e.expression,r=this.startNodeAt(t.start,t.loc.start),n=this.startNodeAt(e.start,e.loc.start),i=this.input.slice(t.start,t.en
d),s=r.value=i.slice(1,-1);return
this.addExtra(r,"raw",i),this.addExtra(r,"rawValue",s),n.value=this.finishNodeAt(r,"DirectiveLiteral",t.end,t.loc.end)
,this.finishNodeAt(n,"Directive",e.end,e.loc.end)}parseInterpreterDirective(){if(!this.match(o.interpreterDirective))r
eturn null;const e=this.startNode();return

```

```

e.value=this.state.value,this.next(),this.finishNode(e,"InterpreterDirective"))isLet(e){if(!this.isContextual("let"))return!1;const
t=this.nextTokenStart(),r=this.input.charCodeAt(t);if(91===r)return!0;if(e)return!1;if(123===r)return!0;if(O(r)){let
e=t+1;for(;I(this.input.charCodeAt(e));)++e;const
r=this.input.slice(t,e);if(!B.test(r))return!0}return!1}parseStatement(e,t){return
this.match(o.at)&&this.parseDecorators(!0),this.parseStatementContent(e,t)}parseStatementContent(e,t){let
r=this.state.type;const n=this.startNode();let i;switch(this.isLet(e)&&(r=o._var,i="let"),r){case o._break:case
o._continue:return this.parseBreakContinueStatement(n,r.keyword);case o._debugger:return
this.parseDebuggerStatement(n);case o._do:return this.parseDoStatement(n);case o._for:return
this.parseForStatement(n);case o._function:if(46===this.lookaheadCharCode())break;return
e&&(this.state.strict?this.raise(this.state.start,y.StrictFunction):"if"!==e&&"label"!==e&&this.raise(this.state.start,y
.SloppyFunction)),this.parseFunctionStatement(n,!1,!e);case o._class:return
e&&this.unexpected(),this.parseClass(n,!0);case o._if:return this.parseIfStatement(n);case o._return:return
this.parseReturnStatement(n);case o._switch:return this.parseSwitchStatement(n);case o._throw:return
this.parseThrowStatement(n);case o._try:return this.parseTryStatement(n);case o._const:case o._var:return
i=!||this.state.value,e&&"var"!==i&&this.raise(this.state.start,y.UnexpectedLexicalDeclaration),this.parseVarStatem
ent(n,i);case o._while:return this.parseWhileStatement(n);case o._with:return this.parseWithStatement(n);case
o.braceL:return this.parseBlock();case o.semi:return this.parseEmptyStatement(n);case o._import:{const
e=this.lookaheadCharCode();if(40===e||46===e)break}case o._export:{let e;return
this.options.allowImportExportEverywhere||t||this.raise(this.state.start,y.UnexpectedImportExport),this.next(),r===o
._import?(e=this.parseImport(n),"ImportDeclaration"!==e.type||e.importKind&&"value"!==e.importKind||(this.saw
UnambiguousESM=!0)):(e=this.parseExport(n),"ExportNamedDeclaration"!==e.type||e.exportKind&&"value"!==e
.exportKind&&("ExportAllDeclaration"!==e.type||e.exportKind&&"value"!==e.exportKind&&"ExportDefaultDe
claration"!==e.type||(this.sawUnambiguousESM=!0)),this.assertModuleNodeAllowed(n,e)}default:if(this.isAsyncFu
nction())return
e&&this.raise(this.state.start,y.AsyncFunctionInSingleStatementContext),this.next(),this.parseFunctionStatement(n,!
0,!e)}const s=this.state.value,a=this.parseExpression();return
r===o.name&&"Identifier"===a.type&&this.eat(o.colon)?this.parseLabeledStatement(n,s,a,e):this.parseExpression
Statement(n,a)}assertModuleNodeAllowed(e){this.options.allowImportExportEverywhere||this.inModule||this.raise
WithData(e.start,{code:"BABEL_PARSER_SOURCETYPE_MODULE_REQUIRED"},y.ImportOutsideModule)}t
akeDecorators(e){const t=this.state.decoratorStack[this.state.decoratorStack.length-
1];t.length&&(e.decorators=t,this.resetStartLocationFromNode(e,t[0]),this.state.decoratorStack[this.state.decoratorS
tack.length-1]=[])}canHaveLeadingDecorator(){return this.match(o._class)}parseDecorators(e){const
t=this.state.decoratorStack[this.state.decoratorStack.length-1];for(;this.match(o.at);){const
e=this.parseDecorator();t.push(e)}if(this.match(o._export))e||this.unexpected(),this.hasPlugin("decorators")&&!this.
getPluginOption("decorators","decoratorsBeforeExport")&&this.raise(this.state.start,y.DecoratorExportClass);else
if(!this.canHaveLeadingDecorator())throw
this.raise(this.state.start,y.UnexpectedLeadingDecorator)}parseDecorator(){this.expectOnePlugin(["decorators-
legacy","decorators"]);const
e=this.startNode();if(this.next(),this.hasPlugin("decorators")){this.state.decoratorStack.push([]);const
t=this.state.start,r=this.state.startLoc;let n;if(this.eat(o.parenL))n=this.parseExpression(),this.expect(o.parenR);else
for(n=this.parseIdentifier(!1);this.eat(o.dot);){const
e=this.startNodeAt(t,r);e.object=n,e.property=this.parseIdentifier(!0),e.computed=!1,n=this.finishNode(e,"MemberE
xpression")}e.expression=this.parseMaybeDecoratorArguments(n),this.state.decoratorStack.pop()}else
e.expression=this.parseExprSubscripts();return
this.finishNode(e,"Decorator")}parseMaybeDecoratorArguments(e){if(this.eat(o.parenL)){const
t=this.startNodeAtNode(e);return
t.callee=e,t.arguments=this.parseCallExpressionArguments(o.parenR,!1),this.toReferencedList(t.arguments),this.fini

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shNode(t,"CallExpression") }return e }parseBreakContinueStatement(e,t){ const r="break"===t;return
this.next(),this.isLineTerminator()?e.label=null:(e.label=this.parseIdentifier(),this.semicolon()),this.verifyBreakCont
inue(e,t),this.finishNode(e,r?"BreakStatement":"ContinueStatement")}verifyBreakContinue(e,t){ const
r="break"===t;let n;for(n=0;n<this.state.labels.length;++n){ const
t=this.state.labels[n];if(null===e.label||t.name===e.label.name){ if(null!=t.kind&&(r||"loop"===t.kind))break;if(e.labe
l&&r)break } }n===this.state.labels.length&&this.raise(e.start,y.IllegalBreakContinue,t)}parseDebuggerStatement(e)
{ return
this.next(),this.semicolon(),this.finishNode(e,"DebuggerStatement")}parseHeaderExpression(){ this.expect(o.parenL
);const e=this.parseExpression();return this.expect(o.parenR),e }parseDoStatement(e){ return
this.next(),this.state.labels.push(Oe),e.body=this.withTopicForbiddingContext(=>this.parseStatement("do")),this.st
ate.labels.pop(),this.expect(o._while),e.test=this.parseHeaderExpression(),this.eat(o.semi),this.finishNode(e,"DoWhi
leStatement")}parseForStatement(e){ this.next(),this.state.labels.push(Oe);let t=-
1;if(this.isAwaitAllowed())&&this.eatContextual("await")&&(t=this.state.lastTokStart),this.scope.enter(0),this.expec
t(o.parenL),this.match(o.semi))return t>-1&&this.unexpected(t),this.parseFor(e,null);const
r=this.isLet();if(this.match(o._var)||this.match(o._const)||r){ const n=this.startNode(),i=r?"let":this.state.value;return
this.next(),this.parseVar(n,!0,i),this.finishNode(n,"VariableDeclaration"),(this.match(o._in)||this.isContextual("of"))
&&1===n.declarations.length?this.parseForIn(e,n,t):(t>-1&&this.unexpected(t),this.parseFor(e,n))}const n=new
Se,i=this.parseExpression(!0,n);if(this.match(o._in)||this.isContextual("of")){ this.toAssignable(i);const
r=this.isContextual("of")?"for-of statement":"for-in statement";return this.checkLVal(i,void 0,void
0,r),this.parseForIn(e,i,t)}return this.checkExpressionErrors(n,!0),t>-
1&&this.unexpected(t),this.parseFor(e,i)}parseFunctionStatement(e,t,r){ return
this.next(),this.parseFunction(e,1|(r?0:2),t)}parseIfStatement(e){ return
this.next(),e.test=this.parseHeaderExpression(),e.consequent=this.parseStatement("if"),e.alternate=this.eat(o._else)?t
his.parseStatement("if"):null,this.finishNode(e,"IfStatement")}parseReturnStatement(e){ return
this.prodParam.hasReturn||this.options.allowReturnOutsideFunction||this.raise(this.state.start,y.IllegalReturn),this.ne
xt(),this.isLineTerminator()?e.argument=null:(e.argument=this.parseExpression(),this.semicolon()),this.finishNode(
e,"ReturnStatement")}parseSwitchStatement(e){ this.next(),e.discriminant=this.parseHeaderExpression();const
t=e.cases=[];let
r,n;for(this.expect(o.braceL),this.state.labels.push(Ie),this.scope.enter(0);!this.match(o.braceR);if(this.match(o._cas
e)||this.match(o._default)){ const
e=this.match(o._case);r&&this.finishNode(r,"SwitchCase"),t.push(r=this.startNode()),r.consequent=[],this.next(),e?r
.test=this.parseExpression():n&&this.raise(this.state.lastTokStart,y.MultipleDefaultsInSwitch),n=!0,r.test=null,this
.expect(o.colon)}else r?r.consequent.push(this.parseStatement(null)):this.unexpected();return
this.scope.exit(),r&&this.finishNode(r,"SwitchCase"),this.next(),this.state.labels.pop(),this.finishNode(e,"SwitchStat
ement")}parseThrowStatement(e){ return
this.next(),this.hasPrecedingLineBreak())&&this.raise(this.state.lastTokEnd,y.NewlineAfterThrow),e.argument=this.
parseExpression(),this.semicolon(),this.finishNode(e,"ThrowStatement")}parseCatchClauseParam(){ const
e=this.parseBindingAtom(),t="Identifier"===e.type;return this.scope.enter(t?8:0),this.checkLVal(e,9,null,"catch
clause"),e }parseTryStatement(e){ if(this.next(),e.block=this.parseBlock(),e.handler=null,this.match(o._catch)){ const
t=this.startNode();this.next(),this.match(o.parenL)?(this.expect(o.parenL),t.param=this.parseCatchClauseParam(),thi
s.expect(o.parenR):(t.param=null,this.scope.enter(0)),t.body=this.withTopicForbiddingContext(=>this.parseBlock
(!1,!1)),this.scope.exit(),e.handler=this.finishNode(t,"CatchClause"))}return
e.finalizer=this.eat(o._finally)?this.parseBlock():null,e.handler||e.finalizer||this.raise(e.start,y.NoCatchOrFinally),this
.finishNode(e,"TryStatement")}parseVarStatement(e,t){ return
this.next(),this.parseVar(e,!1,t),this.semicolon(),this.finishNode(e,"VariableDeclaration")}parseWhileStatement(e){r
eturn
this.next(),e.test=this.parseHeaderExpression(),this.state.labels.push(Oe),e.body=this.withTopicForbiddingContext((
=>this.parseStatement("while")),this.state.labels.pop(),this.finishNode(e,"WhileStatement")}parseWithStatement(e)

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{ return
this.state.strict&&this.raise(this.state.start,y.StrictWith),this.next(),e.object=this.parseHeaderExpression(),e.body=this
is.withTopicForbiddingContext(=>this.parseStatement("with"),this.finishNode(e,"WithStatement"))}parseEmptyS
tatement(e){return this.next(),this.finishNode(e,"EmptyStatement")}parseLabeledStatement(e,t,r,n){for(let
e=0,n=this.state.labels;e<n.length;e++){n[e].name===t&&this.raise(r.start,y.LabelRedeclaration,t)}const
i=this.state.type.isLoop?"loop":this.match(o._switch)?"switch":null;for(let t=this.state.labels.length-1;t>=0;t--
){const r=this.state.labels[t];if(r.statementStart!==e.start)break;r.statementStart=this.state.start,r.kind=i}return
this.state.labels.push({ name:t,kind:i,statementStart:this.state.start }),e.body=this.parseStatement(n?-
1===n.indexOf("label"?n+"label":n:"label"),this.state.labels.pop(),e.label=r,this.finishNode(e,"LabeledStatement")
}parseExpressionStatement(e,t){ return
e.expression=t,this.semicolon(),this.finishNode(e,"ExpressionStatement")}parseBlock(e=!1,t=!0,r){ const
n=this.startNode();return
this.expect(o.braceL),t&&this.scope.enter(0),this.parseBlockBody(n,e,!1,o.braceR,r),t&&this.scope.exit(),this.finish
Node(n,"BlockStatement")}isValidDirective(e){return "ExpressionStatement"===e.type&&"StringLiteral"===e.exp
ression.type&&!e.expression.extra.parenthesized}parseBlockBody(e,t,r,n,i){ const
s=e.body=[],a=e.directives=[];this.parseBlockOrModuleBlockBody(s,t?a:void
0,r,n,i)}parseBlockOrModuleBlockBody(e,t,r,n,i){const s=[],a=this.state.strict;let
o=!1,l=!1;for(;!this.match(n);){!l&&this.state.octalPositions.length&&s.push(...this.state.octalPositions);const
n=this.parseStatement(null,r);if(t&&!l&&this.isValidDirective(n)){const e=this.stmtToDirective(n);t.push(e,o||"use
strict"!==e.value.value||(o=!0,this.setStrict(!0))}else l=!0,e.push(n)}if(this.state.strict&&s.length)for(let
e=0;e<s.length;e++){const
t=s[e];this.raise(t,y.StrictOctalLiteral)}i&&i.call(this,o),a||this.setStrict(!1),this.next()}parseFor(e,t){return
e.init=t,this.expect(o.semi),e.test=this.match(o.semi)?null:this.parseExpression(),this.expect(o.semi),e.update=this.m
atch(o.parenR)?null:this.parseExpression(),this.expect(o.parenR),e.body=this.withTopicForbiddingContext(=>this.
parseStatement("for")),this.scope.exit(),this.state.labels.pop(),this.finishNode(e,"ForStatement")}parseForIn(e,t,r){c
onst n=this.match(o._in);return this.next(),n?r>-1&&this.unexpected(r):e.await=r>-
1,"VariableDeclaration"!==t.type||null===t.declarations[0].init||n&&!this.state.strict&&"var"===t.kind&&"Identifier
"===t.declarations[0].id.type?"AssignmentPattern"===t.type&&this.raise(t.start,y.InvalidLhs,"for-
loop"):this.raise(t.start,y.ForInOfLoopInitializer,n?"for-in":"for-
of"),e.left=t,e.right=n,this.parseExpression():this.parseMaybeAssignAllowIn(),this.expect(o.parenR),e.body=this.wi
thTopicForbiddingContext(=>this.parseStatement("for")),this.scope.exit(),this.state.labels.pop(),this.finishNode(e,
n?"ForInStatement":"ForOfStatement")}parseVar(e,t,r){const
n=e.declarations=[],i=this.hasPlugin("typescript");for(e.kind=r;);{const
e=this.startNode();if(this.parseVarId(e,r),this.eat(o.eq)?e.init=t?this.parseMaybeAssignDisallowIn():this.parseMayb
eAssignAllowIn():("const"!==r||this.match(o._in)||this.isContextual("of")?"Identifier"===e.id.type||t&&(this.match(
o._in)||this.isContextual("of"))||this.raise(this.state.lastTokEnd,y.DeclarationMissingInitializer,"Complex binding
patterns")):i||this.raise(this.state.lastTokEnd,y.DeclarationMissingInitializer,"Const
declarations"),e.init=null),n.push(this.finishNode(e,"VariableDeclarator")),!this.eat(o.comma))break}return
e}parseVarId(e,t){e.id=this.parseBindingAtom(),this.checkLVal(e.id,"var"===t?5:9,void 0,"variable
declaration","var"!==t)}parseFunction(e,t=0,r=!1){const
n=1&t,i=2&t,s=!(!n||4&t);this.initFunction(e,r),this.match(o.star)&&i&&this.raise(this.state.start,y.GeneratorInSing
leStatementContext),e.generator=this.eat(o.star),n&&(e.id=this.parseFunctionId(s));const
a=this.state.maybeInArrowParameters;return
this.state.maybeInArrowParameters=!1,this.scope.enter(2),this.prodParam.enter(ne(r,e.generator)),n||e.id=this.parse
FunctionId(),this.parseFunctionParams(e,!1),this.withTopicForbiddingContext(=>{this.parseFunctionBodyAndFi
nish(e,n?"FunctionDeclaration":"FunctionExpression"))},this.prodParam.exit(),this.scope.exit(),n&&!i&&this.regist
erFunctionStatementId(e),this.state.maybeInArrowParameters=a,e}parseFunctionId(e){return
e||this.match(o.name)?this.parseIdentifier():null}parseFunctionParams(e,t){this.expect(o.parenL),this.expressionSco

```



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pe.enter(new
Pe(3)),e.params=this.parseBindingList(o.parenR,41,!1,t),this.expressionScope.exit()}registerFunctionStatementId(e)
{e.id&&this.scope.declareName(e.id.name,this.state.strict||e.generator||e.async?this.scope.treatFunctionsAsVar?5:9:
17,e.id.start)}parseClass(e,t,r){this.next(),this.takeDecorators(e);const n=this.state.strict;return
this.state.strict=!0,this.parseClassId(e,t,r),this.parseClassSuper(e),e.body=this.parseClassBody(!e.superClass,n),this
.finishNode(e,t?"ClassDeclaration":"ClassExpression")}isClassProperty(){return
this.match(o.eq)||this.match(o.semi)||this.match(o.braceR)}isClassMethod(){return
this.match(o.parenL)}isNonstaticConstructor(e){return!(e.computed||e.static||"constructor"!==e.key.name&&"constr
uctor"!==e.key.value)}parseClassBody(e,t){this.classScope.enter();const
r={constructorAllowsSuper:e,hadConstructor:!1,hadStaticBlock:!1};let n=[];const
i=this.startNode();if(i.body=[],this.expect(o.braceL),this.withTopicForbiddingContext(()=>{for(;!this.match(o.brace
R);){if(this.eat(o.semi)){if(n.length>0)throw
this.raise(this.state.lastTokEnd,y.DecoratorSemicolon);continue}if(this.match(o.at)){n.push(this.parseDecorator());c
ontinue}const
e=this.startNode();n.length&&(e.decorators=n,this.resetStartLocationFromNode(e,n[0]),n=[]),this.parseClassMemb
er(i,e,r),"constructor"===e.kind&&e.decorators&&e.decorators.length>0&&this.raise(e.start,y.DecoratorConstructo
r)}),this.state.strict=t,this.next(),n.length)throw this.raise(this.state.start,y.TrailingDecorator);return
this.classScope.exit(),this.finishNode(i,"ClassBody")}parseClassMemberFromModifier(e,t){const
r=this.parseIdentifier(!0);if(this.isClassMethod()){const n=t;return
n.kind="method",n.computed=!1,n.key=r,n.static=!1,this.pushClassMethod(e,n,!1,!1,!1,!1,!1,!1,!1,!1,!1,!1,!1,!1)
}if(this.isClassPropert
y()){const n=t;return
n.computed=!1,n.key=r,n.static=!1,e.body.push(this.parseClassProperty(n),!0)}return!1}parseClassMember(e,t,r){c
onst
n=this.isContextual("static");if(n){if(this.parseClassMemberFromModifier(e,t))return;if(this.eat(o.braceL))return
void
this.parseClassStaticBlock(e,t,r)}this.parseClassMemberWithIsStatic(e,t,r,n)}parseClassMemberWithIsStatic(e,t,r,n)
{const i=t,s=t,a=t,l=t,c=i,p=i;if(t.static=n,this.eat(o.star))return
c.kind="method",this.parseClassElementName(c),"PrivateName"===c.key.type?void
this.pushClassPrivateMethod(e,s,!0,!1):(this.isNonstaticConstructor(i)&&this.raise(i.key.start,y.ConstructorIsGener
ator),void this.pushClassMethod(e,i,!0,!1,!1,!1));const
u=this.state.containsEsc,d=this.parseClassElementName(t),h="PrivateName"===d.type,f="Identifier"===d.type,m=
this.state.start;if(this.parsePostMemberNameModifiers(p),this.isClassMethod()){if(c.kind="method",h)return void
this.pushClassPrivateMethod(e,s,!1,!1);const t=this.isNonstaticConstructor(i);let
n=!1;t&&(i.kind="constructor",r.hadConstructor&&!this.hasPlugin("typescript"))&&this.raise(d.start,y.DuplicateCo
nstructor),r.hadConstructor=!0,n=r.constructorAllowsSuper,this.pushClassMethod(e,i,!1,!1,t,n)}else
if(this.isClassProperty())h?this.pushClassPrivateProperty(e,l):this.pushClassProperty(e,a);else
if(!f||"async"!==d.name||u||this.isLineTerminator())!f||"get"!==d.name&&"set"!==d.name||u||this.match(o.star)&&thi
s.isLineTerminator()?this.isLineTerminator()?h?this.pushClassPrivateProperty(e,l):this.pushClassProperty(e,a):this
.unexpected():c.kind=d.name,this.parseClassElementName(i),"PrivateName"===c.key.type?this.pushClassPrivateM
ethod(e,s,!1,!1):(this.isNonstaticConstructor(i)&&this.raise(i.key.start,y.ConstructorIsAccessor),this.pushClassMeth
od(e,i,!1,!1,!1,!1,!1,!1,!1),this.checkGetterSetterParams(i));else{const
t=this.eat(o.star);p.optional&&this.unexpected(m),c.kind="method",this.parseClassElementName(c),this.parsePost
MemberNameModifiers(p),"PrivateName"===c.key.type?this.pushClassPrivateMethod(e,s,t,!0):(this.isNonstaticCo
nstructor(i)&&this.raise(i.key.start,y.ConstructorIsAsync),this.pushClassMethod(e,i,t,!0,!1,!1))}parseClassElement
Name(e){const t=this.parsePropertyName(e,!0);return
e.computed||!e.static||"prototype"!==t.name&&"prototype"!==t.value||this.raise(t.start,y.StaticPrototype),"PrivateNa
me"===t.type&&"constructor"===t.id.name&&this.raise(t.start,y.ConstructorClassPrivateField),t}parseClassStatic
Block(e,t,r){var

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n;this.expectPlugin("classStaticBlock",t.start),this.scope.enter(80),this.expressionScope.enter(we());const
i=this.state.labels;this.state.labels=[],this.prodParam.enter(0);const
s=t.body=[];this.parseBlockOrModuleBlockBody(s,void
0,!1,o.braceR),this.prodParam.exit(),this.expressionScope.exit(),this.scope.exit(),this.state.labels=i,e.body.push(this.
finishNode(t,"StaticBlock")),r.hadStaticBlock&&this.raise(t.start,y.DuplicateStaticBlock),(null==(n=t.decorators)?v
oid
0:n.length)&&this.raise(t.start,y.DecoratorStaticBlock),r.hadStaticBlock=!0}pushClassProperty(e,t){t.computed||"co
nstructor"!==t.key.name&&"constructor"!==t.key.value||this.raise(t.key.start,y.ConstructorClassField),e.body.push(t
his.parseClassProperty(t))}pushClassPrivateProperty(e,t){this.expectPlugin("classPrivateProperties",t.key.start);con
st
r=this.parseClassPrivateProperty(t);e.body.push(r),this.classScope.declarePrivateName(r.key.id.name,0,r.key.start)}
pushClassMethod(e,t,r,n,i,s){e.body.push(this.parseMethod(t,r,n,i,s,"ClassMethod",!0))}pushClassPrivateMethod(e,
t,r,n){this.expectPlugin("classPrivateMethods",t.key.start);const
i=this.parseMethod(t,r,n,!1,!1,"ClassPrivateMethod",!0);e.body.push(i);const
s="get"===i.kind?i.static?6:2:"set"===i.kind?i.static?5:1:0;this.classScope.declarePrivateName(i.key.id.name,s,i.ke
y.start)}parsePostMemberNameModifiers(e){}parseClassPrivateProperty(e){return
this.parseInitializer(e),this.semicolon(),this.finishNode(e,"ClassPrivateProperty")}parseClassProperty(e){return
e.typeAnnotation&&this.match(o.eq)||this.expectPlugin("classProperties"),this.parseInitializer(e),this.semicolon(),t
his.finishNode(e,"ClassProperty")}parseInitializer(e){this.scope.enter(80),this.expressionScope.enter(we()),this.prod
Param.enter(0),e.value=this.eat(o.eq)?this.parseMaybeAssignAllowIn():null,this.expressionScope.exit(),this.prodPar
am.exit(),this.scope.exit()}parseClassId(e,t,r,n=139){this.match(o.name)?(e.id=this.parseIdentifier(),t&&this.check
LVal(e.id,n,void 0,"class
name")):r!|t?e.id=null:this.unexpected(null,y.MissingClassName)}parseClassSuper(e){e.superClass=this.eat(o._ext
ends)?this.parseExprSubscripts():null}parseExport(e){const
t=this.maybeParseExportDefaultSpecifier(e),r=!t||this.eat(o.comma),n=r&&this.eatExportStar(e),i=n&&this.maybeP
arseExportNamespaceSpecifier(e),s=r&&(!i||this.eat(o.comma)),a=t||n;if(n&&!i)return
t&&this.unexpected(),this.parseExportFrom(e,!0),this.finishNode(e,"ExportAllDeclaration");const
l=this.maybeParseExportNamedSpecifiers(e);if(t&&r&&!n&&!i&&s&&!l)throw
this.unexpected(null,o.braceL);let
c;if(a||l?(c=!1,this.parseExportFrom(e,a)):c=this.maybeParseExportDeclaration(e,a)||c)return
this.checkExport(e,!0,!1,!e.source),this.finishNode(e,"ExportNamedDeclaration");if(this.eat(o._default))return
e.declaration=this.parseExportDefaultExpression(),this.checkExport(e,!0,!0),this.finishNode(e,"ExportDefaultDecla
ration");throw this.unexpected(null,o.braceL)}eatExportStar(e){return
this.eat(o.star)}maybeParseExportDefaultSpecifier(e){if(this.isExportDefaultSpecifier()){this.expectPlugin("export
DefaultFrom");const t=this.startNode();return
t.exported=this.parseIdentifier(!0),e.specifiers=[this.finishNode(t,"ExportDefaultSpecifier"),!0]}return!1}maybePars
eExportNamespaceSpecifier(e){if(this.isContextual("as")){e.specifiers||(e.specifiers=[]);const
t=this.startNodeAt(this.state.lastTokStart,this.state.lastTokStartLoc);return
this.next(),t.exported=this.parseModuleExportName(),e.specifiers.push(this.finishNode(t,"ExportNamespaceSpecifi
er"),!0)}return!1}maybeParseExportNamedSpecifiers(e){return!!this.match(o.braceL)&&(e.specifiers||(e.specifiers=
[]),e.specifiers.push(...this.parseExportSpecifiers()),e.source=null,e.declaration=null,!0)}maybeParseExportDeclarat
ion(e){return!!this.shouldParseExportDeclaration()&&(e.specifiers=[],e.source=null,e.declaration=this.parseExport
Declaration(e,!0))isAsyncFunction(){if(!this.isContextual("async"))return!1;const
e=this.nextTokenStart();return!l.test(this.input.slice(this.state.pos,e))&&this.isUnparsedContextual(e,"function")}pa
rseExportDefaultExpression(){const e=this.startNode(),t=this.isAsyncFunction();if(this.match(o._function)||t)return
this.next(),t&&this.next(),this.parseFunction(e,5,t);if(this.match(o._class))return
this.parseClass(e,!0,!0);if(this.match(o.at))return
this.hasPlugin("decorators")&&this.getPluginOption("decorators","decoratorsBeforeExport")&&this.raise(this.state.

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start,y.DecoratorBeforeExport),this.parseDecorators(!1),this.parseClass(e,!0,!0);if(this.match(o._const)||this.match(o
._var)||this.isLet())throw this.raise(this.state.start,y.UnsupportedDefaultExport);{const
e=this.parseMaybeAssignAllowIn();return this.semicolon(),e} }parseExportDeclaration(e){return
this.parseStatement(null)}isExportDefaultSpecifier(){if(this.match(o.name)){const
e=this.state.value;if("async"===e&&!this.state.containsEsc||"let"===e)return!1;if(("type"===e||"interface"===e)&&
!this.state.containsEsc){const
e=this.lookahead();if(e.type===o.name&&"from"!==e.value||e.type===o.braceL)return
this.expectOnePlugin(["flow","typescript"],!1)}else if(!this.match(o._default))return!1;const
e=this.nextTokenStart(),t=this.isUnparsedContextual(e,"from");if(44===this.input.charCodeAtAt(e)||this.match(o.nam
e)&&t)return!0;if(this.match(o._default)&&t){const t=this.input.charCodeAtAt(this.nextTokenStartSince(e+4));return
34===t||39===t}return!1} }parseExportFrom(e,t){if(this.eatContextual("from")){e.source=this.parseImportSource(),t
his.checkExport(e);const t=this.maybeParseImportAssertions();t&&(e.assertions=t)}else
t?this.unexpected():e.source=null;this.semicolon()}shouldParseExportDeclaration(){if(this.match(o.at)&&(this.expe
ctOnePlugin(["decorators","decorators-
legacy"]),this.hasPlugin("decorators"))){if(!this.getPluginOption("decorators","decoratorsBeforeExport"))return!0;t
his.unexpected(this.state.start,y.DecoratorBeforeExport)}return"var"===this.state.type.keyword||"const"===this.stat
e.type.keyword||"function"===this.state.type.keyword||"class"===this.state.type.keyword||this.isLet()||this.isAsyncF
unction()}checkExport(e,t,r,n){if(t)if(r){if(this.checkDuplicateExports(e,"default"),this.hasPlugin("exportDefaultFrom")){var i;const t=e.declaration;"Identifier"!==t.type||"from"!==t.name||t.end-t.start!==4||(null==(i=t.extra)?void
0:i.parentesized)||this.raise(t.start,y.ExportDefaultFromAsIdentifier)} }else
if(e.specifiers&&e.specifiers.length)for(let t=0,r=e.specifiers;t<r.length;t++){const
e=r[t],{exported:i}=e,s="Identifier"===i.type?i.name:i.value;if(this.checkDuplicateExports(e,s),!n&&e.local){const
{local:t}=e;"StringLiteral"===t.type?this.raise(e.start,y.ExportBindingIsString,t.extra.raw,s):(this.checkReservedW
ord(t.name,t.start,!0,!1),this.scope.checkLocalExport(t))} }else
if(e.declaration)if("FunctionDeclaration"===e.declaration.type||"ClassDeclaration"===e.declaration.type){const
t=e.declaration.id;if(!t)throw new Error("Assertion failure");this.checkDuplicateExports(e,t.name)}else
if("VariableDeclaration"===e.declaration.type)for(let t=0,r=e.declaration.declarations;t<r.length;t++){const
e=r[t];this.checkDeclaration(e.id)}if(this.state.decoratorStack[this.state.decoratorStack.length-1].length)throw
this.raise(e.start,y.UnsupportedDecoratorExport)}checkDeclaration(e){if("Identifier"===e.type)this.checkDuplicate
Exports(e,e.name);else if("ObjectPattern"===e.type)for(let t=0,r=e.properties;t<r.length;t++){const
e=r[t];this.checkDeclaration(e)}else if("ArrayPattern"===e.type)for(let t=0,r=e.elements;t<r.length;t++){const
e=r[t];e&&this.checkDeclaration(e)}else"ObjectProperty"===e.type?this.checkDeclaration(e.value):"RestElement"
===e.type?this.checkDeclaration(e.argument):"AssignmentPattern"===e.type&&this.checkDeclaration(e.left)}chec
kDuplicateExports(e,t){this.state.exportedIdentifiers.indexOf(t)>-
1&&this.raise(e.start,"default"===t?y.DuplicateDefaultExport:y.DuplicateExport,t),this.state.exportedIdentifiers.pus
h(t)}parseExportSpecifiers(){const e=[];let t=!0;for(this.expect(o.braceL);!this.eat(o.braceR);){if(t)t=!1;else
if(this.expect(o.comma),this.eat(o.braceR))break;const
r=this.startNode();r.local=this.parseModuleExportName(),r.exported=this.eatContextual("as"?this.parseModuleExp
ortName():r.local.__clone(),e.push(this.finishNode(r,"ExportSpecifier"))}return
e}parseModuleExportName(){if(this.match(o.string)){this.expectPlugin("moduleStringNames");const
e=this.parseLiteral(this.state.value,"StringLiteral"),t=e.value.match(Ce);return
t&&this.raise(e.start,y.ModuleExportNameHasLoneSurrogate,t[0].charCodeAt(0).toString(16)),e}return
this.parseIdentifier(!0)}parseImport(e){if(e.specifiers=[],!this.match(o.string)){const
t=!this.maybeParseDefaultImportSpecifier(e)||this.eat(o.comma),r=t&&this.maybeParseStarImportSpecifier(e);t&&!
r&&this.parseNamedImportSpecifiers(e),this.expectContextual("from")}e.source=this.parseImportSource();const
t=this.maybeParseImportAssertions();if(t)e.assertions=t;else{const
t=this.maybeParseModuleAttributes();t&&(e.attributes=t)}return
this.semicolon(),this.finishNode(e,"ImportDeclaration")}parseImportSource(){return

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this.match(o.string)||this.unexpected(),this.parseExprAtom() }shouldParseDefaultImport(e){ return
this.match(o.name)}parseImportSpecifierLocal(e,t,r,n){ t.local=this.parseIdentifier(),this.checkLVal(t.local,9,void
0,n),e.specifiers.push(this.finishNode(t,r)) }parseAssertEntries(){ const e=[],t=new
Set;do{ if(this.match(o.braceR))break;const
r=this.startNode(),n=this.state.value;if(this.match(o.string)?r.key=this.parseLiteral(n,"StringLiteral"):r.key=this.pars
eIdentifier(!0),this.expect(o.colon),"type"!==n&&this.raise(r.key.start,y.ModuleAttributeDifferentFromType,n),t.has(n)&&this.raise(r.key.start,y.ModuleAttributesWithDuplicateKeys,n),t.add(n,!this.match(o.string))throw
this.unexpected(this.state.start,y.ModuleAttributeInvalidValue);r.value=this.parseLiteral(this.state.value,"StringLiter
al"),this.finishNode(r,"ImportAttribute"),e.push(r)}while(this.eat(o.comma));return
e}maybeParseModuleAttributes(){ if(!this.match(o._with)||this.hasPrecedingLineBreak())return
this.hasPlugin("moduleAttributes")?[]:null;this.expectPlugin("moduleAttributes"),this.next();const e=[],t=new
Set;do{ const
r=this.startNode();if(r.key=this.parseIdentifier(!0),"type"!==r.key.name&&this.raise(r.key.start,y.ModuleAttributeD
ifferentFromType,r.key.name),t.has(r.key.name)&&this.raise(r.key.start,y.ModuleAttributesWithDuplicateKeys,r.ke
y.name),t.add(r.key.name),this.expect(o.colon),!this.match(o.string))throw
this.unexpected(this.state.start,y.ModuleAttributeInvalidValue);r.value=this.parseLiteral(this.state.value,"StringLiter
al"),this.finishNode(r,"ImportAttribute"),e.push(r)}while(this.eat(o.comma));return
e}maybeParseImportAssertions(){ if(!this.isContextual("assert")||this.hasPrecedingLineBreak())return
this.hasPlugin("importAssertions")?[]:null;this.expectPlugin("importAssertions"),this.next(),this.eat(o.braceL);const
e=this.parseAssertEntries();return
this.eat(o.braceR),e}maybeParseDefaultImportSpecifier(e){ return!!this.shouldParseDefaultImport(e)&&(this.parseI
mportSpecifierLocal(e,this.startNode(),"ImportDefaultSpecifier","default import
specifier"),!0)}maybeParseStarImportSpecifier(e){ if(this.match(o.star)){ const t=this.startNode();return
this.next(),this.expectContextual("as"),this.parseImportSpecifierLocal(e,t,"ImportNamespaceSpecifier","import
namespace specifier"),!0}return!1 }parseNamedImportSpecifiers(e){ let
t=!0;for(this.expect(o.braceL);!this.eat(o.braceR);){ if(t)!1;else{ if(this.eat(o.colon))throw
this.raise(this.state.start,y.DestructureNamedImport);if(this.expect(o.comma),this.eat(o.braceR))break}this.parseImp
ortSpecifier(e)} }parseImportSpecifier(e){ const
t=this.startNode();if(t.imported=this.parseModuleExportName(),this.eatContextual("as"))t.local=this.parseIdentifier(
);else{ const{ imported:e}=t;if("StringLiteral"===e.type)throw
this.raise(t.start,y.ImportBindingIsString,e.value);this.checkReservedWord(e.name,t.start,!0,!0),t.local=e.__clone()}t
his.checkLVal(t.local,9,void 0,"import
specifier"),e.specifiers.push(this.finishNode(t,"ImportSpecifier"))} }constructor(e,t){ super(e=function(e){ const
t={ };for(let r=0,n=Object.keys(he);r<n.length;r++){ const i=n[r];t[i]=e&&null!=e[i]?e[i]:he[i]}return t}(e),t);const
r=this.getScopeHandler();this.options=e,this.inModule="module"===this.options.sourceType,this.scope=new
r(this.raise.bind(this),this.inModule),this.prodParam=new re,this.classScope=new
ke(this.raise.bind(this)),this.expressionScope=new Ae(this.raise.bind(this)),this.plugins=function(e){ const t=new
Map;for(let r=0;r<e.length;r++){ const n=e[r],[i,s]=Array.isArray(n)?n:[,{}];t.has(i)||t.set(i,s[1])}return
t}(this.options.plugins),this.filename=e.sourceFilename}getScopeHandler(){ return Z}parse(){ let
e=0;this.hasPlugin("topLevelAwait")&&this.inModule&&(e|=2),this.scope.enter(1),this.prodParam.enter(e);const
t=this.startNode(),r=this.startNode();return
this.nextToken(),t.errors=null,this.parseTopLevel(t,r),t.errors=this.state.errors,t}function _(e,t){let
r=De;return(null===e?void 0:e.plugins)&&(!function(e){ if(oe(e,"decorators")){ if(oe(e,"decorators-legacy"))throw
new Error("Cannot use the decorators and decorators-legacy plugin together");const
t=le(e,"decorators","decoratorsBeforeExport");if(null===t)throw new Error("The \'decorators\' plugin requires a
\'decoratorsBeforeExport\' option, whose value must be a boolean. If you are migrating from Babylon/Babel 6 or
want to use the old decorators proposal, you should use the \'decorators-legacy\' plugin instead of
\'decorators\'.");if("boolean"!==typeof t)throw new Error("\'decoratorsBeforeExport\' must be a

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boolean.))if(oe(e,"flow")&&oe(e,"typescript"))throw new Error("Cannot combine flow and typescript
plugins.");if(oe(e,"placeholders")&&oe(e,"v8intrinsic"))throw new Error("Cannot combine placeholders and
v8intrinsic plugins.");if(oe(e,"pipelineOperator")&&!ce.includes(le(e,"pipelineOperator","proposal")))throw new
Error("\pipelineOperator\ requires \proposal\ option whose value should be one of: "+ce.map(e=>`\${e}\`).join(",
"));if(oe(e,"moduleAttributes")){if(oe(e,"importAssertions"))throw new Error("Cannot combine importAssertions
and moduleAttributes plugins.");if("may-2020"!==(le(e,"moduleAttributes","version"))throw new Error("The
\moduleAttributes\ plugin requires a \version\ option, representing the last proposal update. Currently, the only
supported value is \may-
2020\.");}if(oe(e,"recordAndTuple")&&!pe.includes(le(e,"recordAndTuple","syntaxType"))throw new
Error("\recordAndTuple\ requires \syntaxType\ option whose value should be one of:
"+pe.map(e=>`\${e}\`).join(", "))(e.plugins),r=function(e){const t=de.filter(t=>oe(e,t)),r=t.join("/");let
n=Le[r];if(!n){n=De;for(let e=0;e<t.length;e++){const r=t[e];n=ue[r](n)}Le[r]=n}return n}(e.plugins),new
r(e,t)}const Le={};t.parse=function(e,t){var r;if("unambiguous"!==(null==(r=t)?void 0:r.sourceType))return
_e(t,e).parse();t=Object.assign({},t);try{t.sourceType="module";const
r=_e(t,e),n=r.parse();if(r.sawUnambiguousESM)return n;if(r.ambiguousScriptDifferentAst)try{return
t.sourceType="script",_e(t,e).parse()}catch(e){}else n.program.sourceType="script";return n}catch(r){try{return
t.sourceType="script",_e(t,e).parse()}catch(e){}throw r}},t.parseExpression=function(e,t){const r=_e(t,e);return
r.options.strictMode&&(r.state.strict!=0),r.getExpression(),t.tokenTypes=o,function(e,t,r){ "use strict";const
n=r(130),i=Symbol("max"),s=Symbol("length"),a=Symbol("lengthCalculator"),o=Symbol("allowStale"),l=Symbol(
"maxAge"),c=Symbol("dispose"),p=Symbol("noDisposeOnSet"),u=Symbol("lruList"),d=Symbol("cache"),h=Symbol(
"updateAgeOnGet"),f=(o=>1;const m=(e,t,r)=>{const n=e[d].get(t);if(n){const
t=n.value;if(y(e,t)){if(b(e,n),!e[o])return}else r&&(e[h]&&(n.value.now=Date.now()),e[u].unshiftNode(n));return
t.value}},y=(e,t)=>{if(!t||t.maxAge&&!e[l])return!1;const r=Date.now()-t.now;return
t.maxAge?r>t.maxAge:e[l]&&r>e[l]},T=e=>{if(e[s]>e[i])for(let t=e[u].tail;e[s]>e[i]&&null!==(t);){const
r=t.prev;b(e,t),t=r},b=(e,t)=>{if(t){const r=t.value;e[c]&&e[c](r.key,r.value),e[s]-
=r.length,e[d].delete(r.key),e[u].removeNode(t)}};class
g{constructor(e,t,r,n,i){this.key=e,this.value=t,this.length=r,this.now=n,this.maxAge=i||0}const S=(e,t,r,n)=>{let
i=r.value;y(e,i)&&(b(e,r),e[o])||i=void
0)),i&&t.call(n,i.value,i.key,e)};e.exports=class{constructor(e){if("number"!==typeof
e&&(e={max:e}),e||(e={}),e.max&&("number"!==typeof e.max||e.max<0))throw new TypeError("max must be a
non-negative number");this[i]=e.max||1/0;const t=e.length||f;if(this[a]="function"!==typeof
t?f:t,this[o]=e.stale||1,e.maxAge&&"number"!==typeof e.maxAge)throw new TypeError("maxAge must be a
number");this[l]=e.maxAge||0,this[c]=e.dispose,this[p]=e.noDisposeOnSet||1,this[h]=e.updateAgeOnGet||1,this.res
et()}set max(e){if("number"!==typeof e||e<0)throw new TypeError("max must be a non-negative
number");this[i]=e||1/0,T(this)}get max(){return this[i]}set allowStale(e){this[o]=!e}get allowStale(){return
this[o]}set maxAge(e){if("number"!==typeof e)throw new TypeError("maxAge must be a non-negative
number");this[l]=e,T(this)}get maxAge(){return this[l]}set lengthCalculator(e){ "function"!==typeof
e&&(e=f),e!==(this[a]&&(this[a]=e,this[s]=0,this[u].forEach(e=>{e.length=this[a](e.value,e.key),this[s]+=e.length)
}),T(this)}get lengthCalculator(){return this[a]}get length(){return this[s]}get itemCount(){return
this[u].length}forEach(e,t){t=t||this;for(let r=this[u].tail;null!==(r);){const
n=r.prev;S(this,e,r,t),r=n}}forEach(e,t){t=t||this;for(let r=this[u].head;null!==(r);){const
n=r.next;S(this,e,r,t),r=n}}keys(){return this[u].toArray().map(e=>e.key)}values(){return
this[u].toArray().map(e=>e.value)}reset(){this[c]&&this[u]&&this[u].length&&this[u].forEach(e=>this[c](e.key,e.
value)),this[d]=new Map,this[u]=new n,this[s]=0}dump(){return
this[u].map(e=>!y(this,e)&&{k:e.key,v:e.value,e:e.now+(e.maxAge||0)}).toArray().filter(e=>e)}dumpLru(){return
this[u]}set(e,t,r){if((r=r||this[l])&&"number"!==typeof r)throw new TypeError("maxAge must be a number");const
n=r?Date.now():0,o=this[a](t,e);if(this[d].has(e)){if(o>this[i])return b(this,this[d].get(e)),!1;const
a=this[d].get(e).value;return this[c]&&(this[p]||this[c](e,a.value)),a.now=n,a.maxAge=r,a.value=t,this[s]+=o-

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a.length,a.length=0,this.get(e),T(this,!0}const h=new g(e,t,o,n,r);return
h.length>this[i]?[this[c]&&this[c](e,t,!1):(this[s]+=h.length,this[u].unshift(h),this[d].set(e,this[u].head),T(this,!0)}
has(e){if(!this[d].has(e))return!1;const t=this[d].get(e).value;return!y(this,t)}get(e){return
m(this,e,!0)}peek(e){return m(this,e,!1)}pop(){const e=this[u].tail;return
e?(b(this,e),e.value):null}del(e){b(this,this[d].get(e))}load(e){this.reset();const t=Date.now();for(let r=e.length-
1;r>=0;r--){const n=e[r],i=n.e||0;if(0===i)this.set(n.k,n.v);else{const e=i-
t;e>0&&this.set(n.k,n.v,e)}}}prune(){this[d].forEach((e,t)=>m(this,t,!1))}}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(){throw Error("Test Error
stack")},t.SOURCE_STACK_FRAME_LINE_NUMBER=void
0;t.SOURCE_STACK_FRAME_LINE_NUMBER=12},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.ForAwaitStatement=t.NumericLiteralTypeAnnotation=t.
ExistentialTypeParam=t.SpreadProperty=t.RestProperty=t.Flow=t.Pure=t.Generated=t.User=t.Var=t.BlockScoped=t.
Referenced=t.Scope=t.Expression=t.Statement=t.BindingIdentifier=t.ReferencedMemberExpression=t.ReferencedI
dentifier=void 0;var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}const
s={types:["Identifier","JSXIdentifier"],checkPath(e,t){const{node:r,parent:i}=e;if(!n.isIdentifier(r,t)&&!n.isJSXMe
mberExpression(i,t)){if(!n.isJSXIdentifier(r,t))return!1;if(n.react.isCompatTag(r.name))return!1}return
n.isReferenced(r,i,e.parentPath.parent)}};t.ReferencedIdentifier=s;const
a={types:["MemberExpression"],checkPath:({node:e,parent:t})=>n.isMemberExpression(e)&&n.isReferenced(e,t)}
;t.ReferencedMemberExpression=a;const
o={types:["Identifier"],checkPath(e){const{node:t,parent:r}=e,i=e.parentPath.parent;return
n.isIdentifier(t)&&n.isBinding(t,r,i)}};t.BindingIdentifier=o;const
l={types:["Statement"],checkPath:({node:e,parent:t}){if(n.isStatement(e)){if(n.isVariableDeclaration(e)){if(n.isForX
Statement(t,{left:e}))return!1;if(n.isForStatement(t,{init:e}))return!1}return!0}return!1}};t.Statement=l;const
c={types:["Expression"],checkPath:e=>e.isIdentifier()?e.isReferencedIdentifier():n.isExpression(e.node)};t.Expressi
on=c;const p={types:["Scopable","Pattern"],checkPath:e=>n.isScope(e.node,e.parent)};t.Scope=p;const
u={checkPath:e=>n.isReferenced(e.node,e.parent)};t.Referenced=u;const
d={checkPath:e=>n.isBlockScoped(e.node)};t.BlockScoped=d;const
h={types:["VariableDeclaration"],checkPath:e=>n.isVar(e.node)};t.Var=h;const
f={checkPath:e=>e.node&&!e.node.loc};t.User=f;const m={checkPath:e=>!e.isUser()};t.Generated=m;const
y={checkPath:(e,t)=>e.scope.isPure(e.node,t)};t.Pure=y;const
T={types:["Flow","ImportDeclaration","ExportDeclaration","ImportSpecifier"],checkPath:({node:e})=>!n.isFlow(
e)||n.isImportDeclaration(e)?"type"===e.importKind||"typeof"===e.importKind:n.isExportDeclaration(e)?"type"===
=e.exportKind:!n.isImportSpecifier(e)&&("type"===e.importKind||"typeof"===e.importKind)};t.Flow=T;const
b={types:["RestElement"],checkPath:e=>e.parentPath&&e.parentPath.isObjectPattern()};t.RestProperty=b;const
g={types:["RestElement"],checkPath:e=>e.parentPath&&e.parentPath.isObjectExpression()};t.SpreadProperty=g;t.
ExistentialTypeParam={types:["ExistsTypeAnnotation"]};t.NumericLiteralTypeAnnotation={types:["NumberLitera
lTypeAnnotation"]};const
S={types:["ForOfStatement"],checkPath:({node:e})=>!0===e.await};t.ForAwaitStatement=S},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const r=e.split(".");return
e=>(0,i.default)(e,r,t)};var n,i=(n=r(65))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!(0,n.isMemberExpression)(e)
return!1;const i=Array.isArray(t)?t.split("."):s=[];let

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a;for(a=e;(0,n.isMemberExpression)(a);a=a.object)s.push(a.property);if(s.push(a),s.length<i.length)return!1;if(!r&&
s.length>i.length)return!1;for(let e=0,t=s.length-1;e<i.length;e++,t--){const r=s[t];let
a;if((0,n.isIdentifier)(r))a=r.name;else{if(!(0,n.isStringLiteral)(r))return!1;a=r.value}if(i[e]!==a)return!1}return!0};v
ar n=r(2),function(e,t){e.exports=function(e,t){return e===t||e!==e&&t!==t}},function(e,t,r){var
n=r(18),i=r(22);e.exports=function(e){if(!i(e))return!1;var t=n(e);return"[object Function]"===t||"[object
GeneratorFunction]"===t||"[object AsyncFunction]"===t||"[object Proxy]"===t}},function(e,t){var r="object"===typeof
global&&global&&global.Object===Object&&global;e.exports=r},function(e,t){var
r=Function.prototype.toString;e.exports=function(e){if(null!==e){try{return r.call(e)}catch(e){}try{return
e+""}catch(e){}}return""}},function(e,t,r){var
n=r(71),i=r(66),s=Object.prototype.hasOwnProperty;e.exports=function(e,t,r){var a=e[t];s.call(e,t)&&i(a,r)&&(void
0!==r||t in e)||n(e,t,r)},function(e,t,r){var
n=r(171);e.exports=function(e,t,r){"__proto__"===t&&n(e,t,{configurable:!0,enumerable:!0,value:r,writable:!0}):
e[t]=r}},function(e,t,r){var
n=r(173),i=r(174),s=r(43),a=r(73),o=r(177),l=r(178),c=Object.prototype.hasOwnProperty;e.exports=function(e,t){v
ar
r=s(e),p=!r&&i(e),u=!r&&!p&&a(e),d=!r&&!p&&!u&&l(e),h=r||p||u||d,f=h?n(e.length,String):[],m=f.length;for(var
y in
e)!t&&!c.call(e,y)||h&&("length"===y||u&&("offset"===y||"parent"===y)||d&&("buffer"===y||"byteLength"===y||"byteO
ffset"===y)||o(y,m))||f.push(y);return f}},function(e,t,r){(function(e){var
n=r(7),i=r(176),s=t&&!t.nodeType&&t,a=s&&"object"===typeof
e&&e&&!e.nodeType&&e.o=a&&a.exports===s?n.Buffer:void 0,l=(o?o.isBuffer:void
0)||i;e.exports=l}).call(this,r(31)(e)),function(e,t){e.exports=function(e){return"number"===typeof e&&e>-
1&&e%1===0&&e<=9007199254740991}},function(e,t){e.exports=function(e,t){return function(r){return
e(t(r))}},function(e,t,r){var n=r(67),i=r(74);e.exports=function(e){return
null!==e&&i(e.length)&&!n(e)},function(e,t){e.exports=function(){return[]}},function(e,t,r){var
n=r(79),i=r(47),s=r(46),a=r(77),o=Object.getOwnPropertySymbols?function(e){for(var t=[];e;n(t,s(e)),e=i(e);return
t):a:e.exports=o},function(e,t){e.exports=function(e,t){for(var r=-1,n=t.length,i=e.length;++r<n;)e[i+r]=t[r];return
e}},function(e,t,r){var n=r(79),i=r(43);e.exports=function(e,t,r){var s=t(e);return
i(e)?s:n(s,r(e))}},function(e,t,r){"use strict";let n=null;function i(e){if(null!==(n&&(n.property,1)){const e=n;return
n=i.prototype=null,e}return n=i.prototype=null===e?Object.create(null):e,new i}i().e.exports=function(e){return
i(e)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(e===t)return!0;const
r=n.PLACEHOLDERS_ALIAS[e];if(r)for(const e of r)if(t===e)return!0;return!1};var n=r(5),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.PLACEHOLDERS_FLIPPED_ALIAS=t.PLACEHOLD
ERS_ALIAS=t.PLACEHOLDERS=void 0;var n=r(9);const
i=["Identifier","StringLiteral","Expression","Statement","Declaration","BlockStatement","ClassBody","Pattern"];P
LACEHOLDERS=i;const
s={Declaration:["Statement"],Pattern:["PatternLike","LVal"]};t.PLACEHOLDERS_ALIAS=s;for(const e of
i){const t=n.ALIAS_KEYS[e];(null===t?void 0:t.length)&&(s[e]=t)}const
a={};t.PLACEHOLDERS_FLIPPED_ALIAS=a,Object.keys(s).forEach(e=>{s[e].forEach(t=>{Object.hasOwnProp
erty.call(a,t)||a[t]=[],a[t].push(e)}))}),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return!(!e||!n.VISITOR_KEYS[e.typ
e]);var n=r(5),function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function
e(t){const r={},i={},s=[],a=[];for(let o=0;o<t.length;o++){const
l=t[o];if(l&&!a.indexOf(l)>=0){if((0,n.isAnyTypeAnnotation)(l))return[l];if((0,n.isFlowBaseAnnotation)(l))i[l.typ
e]=l;else if((0,n.isUnionTypeAnnotation)(l))s.indexOf(l.types)<0&&(t=t.concat(l.types),s.push(l.types));else
if((0,n.isGenericTypeAnnotation)(l)){const t=l.id.name;if(r[t]){let
n=r[t];n.typeParameters?l.typeParameters&&(n.typeParameters.params=e(n.typeParameters.params.concat(l.typePar

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ameters.params)):n=l.typeParameters }else r[t]=1}else a.push(l) }for(const e of Object.keys(i))a.push(i[e]);for(const
e of Object.keys(r))a.push(r[e]);return a};var n=r(2)},function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value:!0}),t.default=function(e,t,r){ if(!r||!e)return e;const
n=t+"Comments";e[n]?e[n]="leading"===t?r.concat(e[n]):e[n].concat(r):e[n]=r;return e },function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value:!0}),t.default=function(e,t){ (0,i.default)("innerComments",e,t)
};var n,i=(n=r(53))&&n.__esModule?n: { default:n },function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value:!0}),t.default=function(e,t){ (0,i.default)("leadingComments",e,
t) };var n,i=(n=r(53))&&n.__esModule?n: { default:n },function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value:!0}),t.default=function(e,t){ return(0,n.default)(e,t),(0,i.default)
(e,t),(0,s.default)(e,t),e };var n=a(r(90)),i=a(r(88)),s=a(r(87));function a(e){ return
e&&e.__esModule?e: { default:e } },function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value:!0}),t.default=function(e,t){ (0,i.default)("trailingComments",e,
t) };var n,i=(n=r(53))&&n.__esModule?n: { default:n },function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value:!0}),t.default=function(e,t){ if((0,n.isBlockStatement)(e))return
e;let
r=[];(0,n.isEmptyStatement)(e)?r=[]:(0,n.isStatement)(e)||e=(0,n.isFunction)(t)?(0,i.returnStatement)(e):(0,i.expres
sionStatement)(e),r=[e];return(0,i.blockStatement)(r) };var n=r(2),i=r(4)},function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value:!0}),t.default=function(e){ e=(e=(e=(e+="")).replace(/[\^a-zA-
Z0-9$_]/g, "-")).replace(/^[0-9]+/, "").replace(/[-\s]+(.)?/g,(function(e,t){ return
t?t.toUpperCase():""})),(0,i.default)(e)||e="_"+e;return e||"_";var
n,i=(n=r(23))&&n.__esModule?n: { default:n },function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value:!0}),t.default=function(e,t){ return(0,n.default)(e,i.default,t),e };
var n=s(r(94)),i=s(r(95));function s(e){ return e&&e.__esModule?e: { default:e } },function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value:!0}),t.default=function e(t,r,i){ if(!t)return;const
s=n.VISITOR_KEYS[t.type];if(!s)return;r(t,i=i||{});for(const n of s){ const s=t[n];if(Array.isArray(s))for(const t of
s)e(t,r,i);else e(s,r,i) };var n=r(5)},function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value:!0}),t.default=function(e,t={}){ const
r=t.preserveComments?i:s;for(const t of r)null!=e[t]&&(e[t]=void 0);for(const t of
Object.keys(e)) "_===t[0]&&null!=e[t]&&(e[t]=void 0);const n=Object.getOwnPropertySymbols(e);for(const t of
n)e[t]=null };var n=r(13);const
i=["tokens", "start", "end", "loc", "raw", "rawValue"],s=n.COMMENT_KEYS.concat(["comments"]).concat(i)},functio
n(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value:!0}),t.default=function(e){ return(0,n.isVariableDeclaration)(e)
&&("var"!==e.kind||e[i.BLOCK_SCOPED_SYMBOL]) };var
n=r(2),i=r(13)},function(e,t,r){ e.exports=function(e){ function t(e){ let t=0;for(let r=0;r<e.length;r++)t=(t<<5)-
t+e.charCodeAtAt(r),t=0;return n.colors[Math.abs(t)%n.colors.length]} function n(e){ let r;function
a(...e){ if(!a.enabled)return;const t=a,i=Number(new Date),s=i-
(r||i);t.diff=s,t.prev=r,t.curr=i,r=i,e[0]=n.coerce(e[0]),"string"!==typeof e[0]&&e.unshift("%O");let
o=0;e[0]=e[0].replace(/%([a-zA-Z%])/g,(r,i)=>{ if("%"===r)return r;o++;const
s=n.formatters[i];if("function"===typeof s){ const n=e[o];r=s.call(t,n),e.splice(o,1),o-- }return
r}),n.formatArgs.call(t,e);(t.log||n.log).apply(t,e) }return
a.namespace=e,a.enabled=n.enabled(e),a.useColors=n.useColors(),a.color=t(e),a.destroy=i,a.extend=s,"function"===t
ypeof n.init&&n.init(a),n.instances.push(a),a} function i(){ const e=n.instances.indexOf(this);return-
1!==e&&(n.instances.splice(e,1),!0)} function s(e,t){ const r=n(this.namespace+(void 0===t?"":t)+e);return
r.log=this.log,r} function a(e){ return e.toString().substring(2,e.toString().length-2).replace(/\\.|\\*|\\?$/,"*")}return
n.debug=n,n.default=n,n.coerce=function(e){ if(e instanceof Error)return e.stack||e.message;return
e },n.disable=function(){ const e=[...n.names.map(a),...n.skips.map(a).map(e=>"-"+e)].join(",");return
n.enable(""),e },n.enable=function(e){ let t;n.save(e),n.names=[],n.skips=[];const r=("string"===typeof

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e?:e:"").split(/[\s,]+/),i=r.length;for(t=0;t<i;t++)r[t]&&("-"===e=r[t].replace(/\*/g,".*?"))[0]?n.skips.push(new
RegExp("^"+e.substr(1)+"$")):n.names.push(new RegExp("^"+e+"$"));for(t=0;t<n.instances.length;t++){const
e=n.instances[t];e.enabled=n.enabled(e.namespace)}},n.enabled=function(e){if("*"===e[e.length-1])return!0;let
t,r;for(t=0,r=n.skips.length;t<r;t++)if(n.skips[t].test(e))return!1;for(t=0,r=n.names.length;t<r;t++)if(n.names[t].test(e
))return!0;return!1},n.humanize=r(257),Object.keys(e).forEach(t=>{n[t]=e[t]}),n.instances=[],n.names=[],n.skips=[]
,n.formatters={},n.selectColor=t,n.enable(n.load()),n},function(e,t){e.exports=require("os")},function(e,t,r){ "use
strict";e.exports=(e,t)=>{t=t||process.argv;const r=e.startsWith("-")?"":1===e.length?"-":"-
",n=t.indexOf(r+e),i=t.indexOf("--");return-1!==n&&(-1===i||n<i)}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n=p(r(262)),i=p(r(17)),s=p(r(101)),a=p(r(312)),o=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=c();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){ var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0)),l=r(38);function c(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return c=function(){return e},e}function p(e){return e&&e.__esModule?e:{default:e}}const
u={For(e){for(const t of o.FOR_INIT_KEYS){ const
r=e.get(t);if(r.isVar()){e.scope.getFunctionParent()||e.scope.getProgramParent().registerBinding("var",r)}},Declara
tion(e){if(e.isBlockScoped())return;if(e.isExportDeclaration())&&e.get("declaration").isDeclaration()return;(e.scop
e.getFunctionParent()||e.scope.getProgramParent()).registerDeclaration(e)},ReferencedIdentifier(e,t){t.references.pu
sh(e)},ForXStatement(e,t){ const
r=e.get("left");(r.isPattern()||r.isIdentifier())&&t.constantViolations.push(e)},ExportDeclaration:{exit(e){ const { node
:t,scope:r}=e,n=t.declaration;if(o.isClassDeclaration(n)||o.isFunctionDeclaration(n)){ const t=n.id;if(!t)return;const
i=r.getBinding(t.name);i&&i.reference(e)}else if(o.isVariableDeclaration(n))for(const t of n.declarations)for(const n
of Object.keys(o.getBindingIdentifiers(t))){ const
t=r.getBinding(n);t&&t.reference(e)}},LabeledStatement(e){e.scope.getProgramParent().addGlobal(e.node),e.scop
e.getBlockParent().registerDeclaration(e)},AssignmentExpression(e,t){t.assignments.push(e)},UpdateExpression(e,t
){t.constantViolations.push(e)},UnaryExpression(e,t){ "delete"===e.node.operator&&t.constantViolations.push(e)},
BlockScoped(e){ let
t=e.scope;t.path===e&&(t=t.parent);if(t.getBlockParent().registerDeclaration(e),e.isClassDeclaration()&&e.node.id
){ const t=e.node.id.name;e.scope.bindings[t]=e.scope.parent.getBinding(t)},Block(e){ const
t=e.get("body");for(const r of
t)r.isFunctionDeclaration()&&e.scope.getBlockParent().registerDeclaration(r)},CatchClause(e){e.scope.registerBin
ding("let",e)},Function(e){e.isFunctionExpression()&&e.has("id")&&!e.get("id").node[o.NOT_LOCAL_BINDING
]&&e.scope.registerBinding("local",e.get("id"),e);const t=e.get("params");for(const r of
t)e.scope.registerBinding("param",r)},ClassExpression(e){e.has("id")&&!e.get("id").node[o.NOT_LOCAL_BINDI
NG]&&e.scope.registerBinding("local",e)}},let d=0;class
h{ constructor(e){ const { node:t}=e,r=l.scope.get(t);if((null===r?void 0:r.path)===e)return
r;l.scope.set(t,this),this.uid=d++,this.block=t,this.path=e,this.labels=new Map,this.inited=!1} get parent(){ const
e=this.path.findParent(e=>e.isScope());return null===e?void 0:e.scope} get parentBlock(){ return this.path.parent} get
hub(){ return this.path.hub} traverse(e,t,r){ (0,i.default)(e,t,this,r,this.path)} generateDeclaredUidIdentifier(e){ const
t=this.generateUidIdentifier(e);return this.push({id:t}),o.cloneNode(t)} generateUidIdentifier(e){ return
o.identifier(this.generateUid(e))} generateUid(e="temp"){ let t;e=o.toIdentifier(e).replace(/^\_+/, "").replace(/[0-
9]+$/g, "");let
r=1;do{t=this._generateUid(e,r,r++)} while(this.hasLabel(t)||this.hasBinding(t)||this.hasGlobal(t)||this.hasReference(t
));const n=this.getProgramParent();return n.references[t]=!0,n.uids[t]=!0,t}_generateUid(e,t){ let r=e;return
t>1&&(r+=t),"_" +r} generateUidBasedOnNode(e,t){ const r=[];!function e(t,r){ switch(null===t?void
0:t.type){ default:if(o.isModuleDeclaration(t))if(t.source)e(t.source,r);else

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if(t.specifiers&& t.specifiers.length)for(const n of t.specifiers)e(n,r);else t.declaration&&e(t.declaration,r);else
o.isModuleSpecifier(t)?e(t.local,r):o.isLiteral(t)&&r.push(t.value);break;case"MemberExpression":case"OptionalMemberExpression":case"JSXMemberExpression":e(t.object,r),e(t.property,r);break;case"Identifier":case"JSXIdentifier":r.push(t.name);break;case"CallExpression":case"OptionalCallExpression":case"NewExpression":e(t.callee,r);break;case"ObjectExpression":case"ObjectPattern":for(const n of
t.properties)e(n,r);break;case"SpreadElement":case"RestElement":e(t.argument,r);break;case"ObjectProperty":case"ObjectMethod":case"ClassProperty":case"ClassMethod":case"ClassPrivateProperty":case"ClassPrivateMethod":e(t.key,r);break;case"ThisExpression":r.push("this");break;case"Super":r.push("super");break;case"Import":r.push("import");break;case"DoExpression":r.push("do");break;case"YieldExpression":r.push("yield"),e(t.argument,r);break;case"AwaitExpression":r.push("await"),e(t.argument,r);break;case"AssignmentExpression":e(t.left,r);break;case"VariableDeclarator":e(t.id,r);break;case"FunctionExpression":case"FunctionDeclaration":case"ClassExpression":case"ClassDeclaration":case"PrivateName":e(t.id,r);break;case"ParenthesizedExpression":e(t.expression,r);break;case"UnaryExpression":case"UpdateExpression":e(t.argument,r);break;case"MetaProperty":e(t.meta,r),e(t.property,r);break;case"JSXElement":e(t.openingElement,r);break;case"JSXOpeningElement":r.push(t.name);break;case"JSXFragment":e(t.openingFragment,r);break;case"JSXOpeningFragment":r.push("Fragment");break;case"JSXNamespacedName":e(t.namespace,r),e(t.name,r)}(e,r);let n=r.join("$");return
n=n.replace(/^\_/,"")||t||"ref",this.generateUid(n.slice(0,20))}generateUidIdentifierBasedOnNode(e,t){return
o.identifier(this.generateUidBasedOnNode(e,t))isStatic(e){if(o.isThisExpression(e)||o.isSuper(e))return!0;if(o.isIdentifier(e)){const t=this.getBinding(e.name);return
t?t.constant:this.hasBinding(e.name)}return!1}maybeGenerateMemoised(e,t){if(this.isStatic(e))return null;{const
r=this.generateUidIdentifierBasedOnNode(e);return
t?r:(this.push({id:r}),o.cloneNode(r))}checkBlockScopedCollisions(e,t,r,n){if("param"===t)return;if("local"===e.kind)return;if("let"===t||"let"===e.kind||"const"===e.kind||"module"===e.kind||"param"===e.kind&&("let"===t||"const"===t))throw this.hub.buildError(n,`Duplicate declaration "${r}"`,TypeError)}rename(e,t,r){const
i=this.getBinding(e);if(i)return t||this.generateUidIdentifier(e).name,new
n.default(i,e,t).rename(r)}_renameFromMap(e,t,r,n){e[t]&&(e[r]=n,e[t]=null)}dump(){const e="-
".repeat(60);console.log(e);let t=this;do{console.log("#",t.block.type);for(const e of Object.keys(t.bindings)){const
r=t.bindings[e];console.log(" -
",e,{constant:r.constant,references:r.references,violations:r.constantViolations.length,kind:r.kind})}}while(t=t.parent);console.log(e)}toArray(e,t,r){if(o.isIdentifier(e)){const t=this.getBinding(e.name);if((null===t?void
0:t.constant)&&t.path.isGenericType("Array"))return e;if(o.isArrayExpression(e))return
e;if(o.isIdentifier(e,{name:"arguments"}))return
o.callExpression(o.memberExpression(o.memberExpression(o.memberExpression(o.identifier("Array"),o.identifier("prototype")),o.identifier("slice")),o.identifier("call")),[e]);let n;const
i=[e];return!0===t?n="toConsumableArray":t?(i.push(o.numericLiteral(t)),n="slicedToArray"):n="toArray",r&&(i.unshift(this.hub.addHelper(n)),n="maybeArrayLike"),o.callExpression(this.hub.addHelper(n),i)}hasLabel(e){return!
!this.getLabel(e)}getLabel(e){return
this.labels.get(e)}registerLabel(e){this.labels.set(e.node.label.name,e)}registerDeclaration(e){if(e.isLabeledStatement())this.registerLabel(e);else if(e.isFunctionDeclaration())this.registerBinding("hoisted",e.get("id"),e);else
if(e.isVariableDeclaration()){const t=e.get("declarations");for(const r of t)this.registerBinding(e.node.kind,r)}else
if(e.isClassDeclaration())this.registerBinding("let",e);else if(e.isImportDeclaration()){const
t=e.get("specifiers");for(const e of t)this.registerBinding("module",e)}else if(e.isExportDeclaration()){const
t=e.get("declaration");(t.isClassDeclaration()||t.isFunctionDeclaration()||t.isVariableDeclaration())&&this.registerDeclaration(t)}else this.registerBinding("unknown",e)}buildUndefinedNode(){return
o.unaryExpression("void",o.numericLiteral(0),!0)}registerConstantViolation(e){const
t=e.getBindingIdentifiers();for(const r of Object.keys(t)){const
t=this.getBinding(r);t&&t.reassign(e)}registerBinding(e,t,r=t){if(!e)throw new ReferenceError("no
`kind`");if(t.isVariableDeclaration()){const r=t.get("declarations");for(const t of

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r)this.registerBinding(e,t);return }const n=this.getProgramParent(),i=t.getOuterBindingIdentifiers(!0);for(const t of
Object.keys(i)){n.references[t]=!0;for(const n of i[t]){const
i=this.getOwnBinding(t);if(i){if(i.identifier===n)continue;this.checkBlockScopedCollisions(i,e,t,n)}i?this.registerC
onstantViolation(r):this.bindings[t]=new
s.default({identifier:n,scope:this,path:r,kind:e})}}addGlobal(e){this.globals[e.name]=e}hasUid(e){let
t=this;do{if(t.uids[e])return!0}while(t=t.parent);return!1}hasGlobal(e){let
t=this;do{if(t.globals[e])return!0}while(t=t.parent);return!1}hasReference(e){return!!this.getProgramParent().refere
nces[e]}isPure(e,t){if(o.isIdentifier(e)){const
r=this.getBinding(e.name);return!r&&(!t||r.constant)}if(o.isClass(e))return!(e.superClass&&!this.isPure(e.superCla
ss,t))&&this.isPure(e.body,t);if(o.isClassBody(e)){for(const r of
e.body)if(!this.isPure(r,t))return!1;return!0}if(o.isBinary(e))return
this.isPure(e.left,t)&&this.isPure(e.right,t);if(o.isArrayExpression(e)){for(const r of
e.elements)if(!this.isPure(r,t))return!1;return!0}if(o.isObjectExpression(e)){for(const r of
e.properties)if(!this.isPure(r,t))return!1;return!0}if(o.isMethod(e))return!(e.computed&&!this.isPure(e.key,t))&&("g
et"!==e.kind&&"set"!==e.kind);if(o.isProperty(e))return!(e.computed&&!this.isPure(e.key,t))&&this.isPure(e.value
,t);if(o.isUnaryExpression(e))return this.isPure(e.argument,t);if(o.isTaggedTemplateExpression(e))return
o.matchesPattern(e.tag,"String.raw")&&!this.hasBinding("String",!0)&&this.isPure(e.quasi,t);if(o.isTemplateLiteral
(e)){for(const r of e.expressions)if(!this.isPure(r,t))return!1;return!0}return o.isPureish(e)}setData(e,t){return
this.data[e]=t}getData(e){let t=this;do{const r=t.data[e];if(null!=r)return r}while(t=t.parent)}removeData(e){let
t=this;do{null!=t.data[e]&&(t.data[e]=null)}while(t=t.parent)}init(){this.inited||(this.inited=!0,this.crawl())}crawl(){
const
e=this.path;if(this.references=Object.create(null),this.bindings=Object.create(null),this.globals=Object.create(null),t
his.uids=Object.create(null),this.data=Object.create(null),e.isFunction()){e.isFunctionExpression()&&e.has("id")&
&!e.get("id").node[o.NOT_LOCAL_BINDING]&&this.registerBinding("local",e.get("id"),e);const
t=e.get("params");for(const e of t)this.registerBinding("param",e)}const
t=this.getProgramParent();if(t.crawling)return;const
r={references:[],constantViolations:[],assignments:[]};this.crawling=!0,e.traverse(u,r),this.crawling=!1;for(const e
of r.assignments){const r=e.getBindingIdentifiers();for(const n of
Object.keys(r))e.scope.getBinding(n)||t.addGlobal(r[n]);e.scope.registerConstantViolation(e)}for(const e of
r.references){const r=e.scope.getBinding(e.node.name);r?r.reference(e):t.addGlobal(e.node)}for(const e of
r.constantViolations)e.scope.registerConstantViolation(e)}push(e){let
t=this.path;t.isBlockStatement()||t.isProgram()||(t=this.getBlockParent().path),t.isSwitchStatement()&&(t=(this.getF
unctionParent()||this.getProgramParent()).path),(t.isLoop()||t.isCatchClause()||t.isFunction())&&(t.ensureBlock(),t=t
.get("body"));const r=e.unique,n=e.kind||"var",i=null===e._blockHoist?2:e._blockHoist,s=`declaration:${n}:${i}`;let
a=!r&&t.getData(s);if(!a){const
e=o.variableDeclaration(n,[],e._blockHoist=i,[a]=t.unshiftContainer("body",[e]),r||t.setData(s,a)}const
l=o.variableDeclarator(e.id,e.init);a.node.declarations.push(l),this.registerBinding(n,a.get("declarations").pop())}get
ProgramParent(){let e=this;do{if(e.path.isProgram())return e}while(e=e.parent);throw new Error("Couldn't find a
Program")}getFunctionParent(){let e=this;do{if(e.path.isFunctionParent())return e}while(e=e.parent);return
null}getBlockParent(){let e=this;do{if(e.path.isBlockParent())return e}while(e=e.parent);throw new Error("We
couldn't find a BlockStatement, For, Switch, Function, Loop or Program...")}getAllBindings(){const
e=Object.create(null);let t=this;do{for(const r of Object.keys(t.bindings))r in
e===!1&&(e[r]=t.bindings[r]);t=t.parent}while(t);return e}getAllBindingsOfKind(){const
e=Object.create(null);for(const t of arguments){let r=this;do{for(const n of Object.keys(r.bindings)){const
i=r.bindings[n];i.kind===t&&(e[n]=i)}r=r.parent}while(r)}return e}bindingIdentifierEquals(e,t){return
this.getBindingIdentifier(e)===t}getBinding(e){let t,r=this;do{const i=r.getOwnBinding(e);var
n;if(i)if(!(null==(n=t)?void 0:n.isPattern()))|"param"===i.kind)return
i;t=r.path}while(r=r.parent)}getOwnBinding(e){return this.bindings[e]}getBindingIdentifier(e){var t;return

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null==(t=this.getBinding(e))?void 0:t.identifier}getOwnBindingIdentifier(e){const t=this.bindings[e];return
null==t?void
0:t.identifier}hasOwnBinding(e){return!!this.getOwnBinding(e)}hasBinding(e,t){return!!e&&(!this.hasOwnBindin
g(e)||(!this.parentHasBinding(e,t)||(!this.hasUid(e)||(!t||h.globals.includes(e)||(!t||h.contextVariables.includes(e))
)))}parentHasBinding(e,t){var r;return null==(r=this.parent)?void 0:r.hasBinding(e,t)}moveBindingTo(e,t){const
r=this.getBinding(e);r&&(r.scope.removeOwnBinding(e),r.scope=t,t.bindings[e]=r)}removeOwnBinding(e){delete
this.bindings[e]}removeBinding(e){var t;null==(t=this.getBinding(e))||t.scope.removeOwnBinding(e);let
r=this;do{r.uids[e]&&(r.uids[e]=!1)}while(r=r.parent)}t.default=h,h.globals=Object.keys(a.default.builtin),h.conte
xtVariables=["arguments","undefined","Infinity","NaN"],function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void
0;t.default=class{constructor({identifier:e,scope:t,path:r,kind:n}){this.constantViolations=[],this.constant=!0,this.ref
erencePaths=[],this.referenced=!1,this.references=0,this.identifier=e,this.scope=t,this.path=r,this.kind=n,this.clearVa
lue()}deoptValue(){this.clearValue(),this.hasDeoptedValue=!0}setValue(e){this.hasDeoptedValue||(this.hasValue=!
0,this.value=e)}clearValue(){this.hasDeoptedValue=!1,this.hasValue=!1,this.value=null}reassign(e){this.constant=!
1,-1===this.constantViolations.indexOf(e)&&this.constantViolations.push(e)}reference(e){-
1===this.referencePaths.indexOf(e)&&(this.referenced=!0,this.references++,this.referencePaths.push(e))}dereferen
ce(){this.references--,this.referenced=!this.references}}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const r=e.split(".");return
e=>(0,n.default)(e,r,t)};var n=r(103)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!(0,n.isMemberExpression)(e))
return!1;const i=Array.isArray(t)?t.split("."):s=[];let
a;for(a=e;(0,n.isMemberExpression)(a);a=a.object)s.push(a.property);if(s.push(a),s.length<i.length)return!1;if(!r&&
s.length>i.length)return!1;for(let e=0,t=s.length-1;e<i.length;e++,t--){const r=s[t];let
a;if((0,n.isIdentifier)(r))a=r.name;else
if((0,n.isStringLiteral)(r))a=r.value;else{if(!(0,n.isThisExpression)(r))return!1;a="this"}if(i[e]!==a)return!1}return!0
};var n=r(1)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(e===t)return!0;const
r=n.PLACEHOLDERS_ALIAS[e];if(r)for(const e of r)if(t===e)return!0;return!1};var n=r(6)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.PLACEHOLDERS_FLIPPED_ALIAS=t.PLACEHOLD
ERS_ALIAS=t.PLACEHOLDERS=void 0;var n=r(10);const
i=["Identifier","StringLiteral","Expression","Statement","Declaration","BlockStatement","ClassBody","Pattern"];t.P
LACEHOLDERS=i;const
s={Declaration:["Statement"],Pattern:["PatternLike","LVal"]};t.PLACEHOLDERS_ALIAS=s;for(const e of
i){const t=n.ALIAS_KEYS[e];null!=t&&t.length&&(s[e]=t)}const
a={};t.PLACEHOLDERS_FLIPPED_ALIAS=a,Object.keys(s).forEach(e=>{s[e].forEach(t=>{Object.hasOwnProp
erty.call(a,t)||(a[t]=[]),a[t].push(e)}))}),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return!(!e||!n.VISITOR_KEYS[e.type
e]);var n=r(6)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function
e(t){const r={},s={},a=[],o=[];for(let l=0;l<t.length;l++){const
c=t[l];if(c&&!(o.indexOf(c)>=0)){if((0,n.isAnyTypeAnnotation)(c))return[c];if((0,n.isFlowBaseAnnotation)(c))s[c.t
ype]=c;else if((0,n.isUnionTypeAnnotation)(c))a.indexOf(c.types)<0&&(t=t.concat(c.types),a.push(c.types));else
if((0,n.isGenericTypeAnnotation)(c)){const t=i(c.id);if(r[t]){let
n=r[t];n.typeParameters?c.typeParameters&&(n.typeParameters.params=e(n.typeParameters.params.concat(c.typePa
rameters.params)):n=c.typeParameters}else r[t]=c}else o.push(c)}}for(const e of
Object.keys(s))o.push(s[e]);for(const e of Object.keys(r))o.push(r[e]);return o};var n=r(1);function
i(e){return(0,n.isIdentifier)(e)?e.name:`${e.id.name}.${e.qualification}`}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!r||!e)return e;const
n=t+"Comments";e[n]?e[n]="leading"===t?r.concat(e[n]):e[n].concat(r):e[n]=r;return e}},function(e,t,r){"use

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strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){(0,n.default)("innerComments",e,t)
};var n=r(58)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){(0,n.default)("leadingComments",e
,t);var n=r(58)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){return(0,n.default)(e,t),(0,i.default)
(e,t),(0,s.default)(e,t),e};var n=r(112),i=r(110),s=r(109)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){(0,n.default)("trailingComments",e
,t);var n=r(58)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if((0,n.isBlockStatement)(e))return
e;let
r=[];(0,n.isEmptyStatement)(e)?r=[]:((0,n.isStatement)(e)||e=(0,n.isFunction)(t)?(0,i.returnStatement)(e):(0,i.expres
sionStatement)(e)),r=[e];return(0,i.blockStatement)(r)};var n=r(1),i=r(3)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){e+="";let t="";for(const r of
e)t+=(0,i.isIdentifierChar)(r.codePointAt(0))?r:"-";t=t.replace(/^[^-0-9]+/, ""),t=t.replace(/[-
\s]+(.)?/g,(function(e,t){return t?t.toUpperCase():""})),(0,n.default)(t)||t="_"+t;return t||"_"};var
n=r(24),i=r(19)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){return(0,n.default)(e,i.default,t),e};
var n=r(116),i=r(117)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t,r,i){if(!t)return;const
s=n.VISITOR_KEYS[t.type];if(!s)return;r(t,i=||{});for(const n of s){const s=t[n];if(Array.isArray(s))for(const t of
s)e(t,r,i);else e(s,r,i)};var n=r(6)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t={}){const
r=t.preserveComments?i:s;for(const t of r)null!=e[t]&&(e[t]=void 0);for(const t of
Object.keys(e))"_")==t[0]&&null!=e[t]&&(e[t]=void 0);const n=Object.getOwnPropertySymbols(e);for(const t of
n)e[t]=null};var n=r(15);const
i=["tokens","start","end","loc","raw","rawValue"],s=n.COMMENT_KEYS.concat(["comments"]).concat(i)},functio
n(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.isVariableDeclaration)(e)
&&("var"!==e.kind||e[i.BLOCK_SCOPED_SYMBOL])};var n=r(1),i=r(15)},function(e,t,r){var
n=r(120),i=r(25),s=r(121).ArraySet,a=r(318).MappingList;function
o(e){e||(e={}),this._file=i.getArg(e,"file",null),this._sourceRoot=i.getArg(e,"sourceRoot",null),this._skipValidation
=i.getArg(e,"skipValidation",!1),this._sources=new s,this._names=new s,this._mappings=new
a,this._sourcesContents=null}o.prototype._version=3,o.fromSourceMap=function(e){var t=e.sourceRoot,r=new
o({file:e.file,sourceRoot:t});return e.eachMapping((function(e){var
n={generated:{line:e.generatedLine,column:e.generatedColumn}};null!=e.source&&(n.source=e.source,null!=t&&(
n.source=i.relative(t,n.source)),n.original={line:e.originalLine,column:e.originalColumn},null!=e.name&&(n.name
=e.name)),r.addMapping(n))),e.sources.forEach((function(t){var
n=e.sourceContentFor(t);null!=n&&r.setSourceContent(t,n)}),r),o.prototype.addMapping=function(e){var
t=i.getArg(e,"generated"),r=i.getArg(e,"original",null),n=i.getArg(e,"source",null),s=i.getArg(e,"name",null);this._s
kipValidation||this._validateMapping(t,r,n,s),null!=n&&(n=String(n)),this._sources.has(n)||this._sources.add(n),null!
=s&&(s=String(s)),this._names.has(s)||this._names.add(s),this._mappings.add({generatedLine:t.line,generatedColu
mn:t.column,originalLine:null!=r&&r.line,originalColumn:null!=r&&r.column,source:n,name:s})},o.prototype.setS
ourceContent=function(e,t){var
r=e;null!=this._sourceRoot&&(r=i.relative(this._sourceRoot,r)),null!=t?(this._sourcesContents||(this._sourcesConten
ts=Object.create(null)),this._sourcesContents[i.toSetString(r)]=t):this._sourcesContents&&(delete
this._sourcesContents[i.toSetString(r)],0===Object.keys(this._sourcesContents).length&&(this._sourcesContents=n
ull)),o.prototype.applySourceMap=function(e,t,r){var n=t;if(null==t){if(null==e.file)throw new
Error('\SourceMapGenerator.prototype.applySourceMap requires either an explicit source file, or the source map\\\'s

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"file" property. Both were omitted.);n=e.file}var a=this._sourceRoot;null!=a&&(n=i.relative(a,n));var o=new
s,l=new s;this._mappings.unsortedForEach((function(t){if(t.source===n&&null!=t.originalLine){var
s=e.originalPositionFor({line:t.originalLine,column:t.originalColumn});null!=s.source&&(t.source=s.source,null!=r
&&(t.source=i.join(r,t.source)),null!=a&&(t.source=i.relative(a,t.source)),t.originalLine=s.line,t.originalColumn=s.c
olumn,null!=s.name&&(t.name=s.name))}var c=t.source;null==c||o.has(c)||o.add(c);var
p=t.name;null==p||l.has(p)||l.add(p)},this),this._sources=o,this._names=l,e.sources.forEach((function(t){var
n=e.sourceContentFor(t);null!=n&&(null!=r&&(t=i.join(r,t)),null!=a&&(t=i.relative(a,t)),this.setSourceContent(t,n
)),this)},o.prototype._validateMapping=function(e,t,r,n){if(t&&"number"!=typeof t.line&&"number"!=typeof
t.column)throw new Error("original.line and original.column are not numbers -- you probably meant to omit the
original mapping entirely and only map the generated position. If so, pass null for the original mapping instead of an
object with empty or null values.");if(!(e&&"line" in e&&"column" in
e&&e.line>0&&e.column>=0)||t||r||n)&&!(e&&"line" in e&&"column" in e&&t&&"line" in t&&"column" in
t&&e.line>0&&e.column>=0&&t.line>0&&t.column>=0&&r))throw new Error("Invalid mapping:
"+JSON.stringify({generated:e,source:r,original:t,name:n})),o.prototype._serializeMappings=function(){for(var
e,t,r,s,a=0,o=1,l=0,c=0,p=0,u=0,d="",h=this._mappings.toArray(),f=0,m=h.length;f<m;f++){if(e="",(t=h[f]).generat
edLine!==o)for(a=0;t.generatedLine!==o;e+=";",o++;else if(f>0){if(!i.compareByGeneratedPositionsInflated(t,h[f-
1]))continue;e+=", " }e+=n.encode(t.generatedColumn-
a),a=t.generatedColumn,null!=t.source&&(s=this._sources.indexOf(t.source),e+=n.encode(s-
u),u=s,e+=n.encode(t.originalLine-l-c),c=t.originalLine-l,e+=n.encode(t.originalColumn-
l),l=t.originalColumn,null!=t.name&&(r=this._names.indexOf(t.name),e+=n.encode(r-p),p=r)),d+=e}return
d},o.prototype._generateSourcesContent=function(e,t){return e.map((function(e){if(!this._sourcesContents)return
null;null!=t&&(e=i.relative(t,e));var r=i.toString(e);return
Object.prototype.hasOwnProperty.call(this._sourcesContents,r)?this._sourcesContents[r]:null}),this)},o.prototype.to
JSON=function(){var
e={version:this._version,sources:this._sources.toArray(),names:this._names.toArray(),mappings:this._serializeMapp
ings()};return
null!=this._file&&(e.file=this._file),null!=this._sourceRoot&&(e.sourceRoot=this._sourceRoot),this._sourcesConte
nts&&(e.sourcesContent=this._generateSourcesContent(e.sources,e.sourceRoot)),e},o.prototype.toString=function()
{return JSON.stringify(this.toJSON()),t.SourceMapGenerator=o,function(e,t,r){var
n=r(317);t.encode=function(e){var t,r="";i=function(e){return e<0?1+(-
e<<1):0+(e<<1)}(e);do{t=31&i,(i>>=5)>0&&(t|=32),r+=n.encode(t)}while(i>0);return
r},t.decode=function(e,t,r){var i,s,a,o,l=e.length,c=0,p=0;do{if(t>=l)throw new Error("Expected more digits in base
64 VLQ value.");if(-1===s=n.decode(e.charCodeAt(t++)))throw new Error("Invalid base64 digit: "+e.charAt(t-
1));i!=(32&s),c+=(s&=31)<<p,p+=5}while(i);r.value=(o=(a=c)>>1,l==(1&a)?-o:o),r.rest=t}},function(e,t,r){var
n=r(25),i=Object.prototype.hasOwnProperty,s="undefined"!=typeof Map;function
a(){this._array=[],this._set=s?new Map:Object.create(null)}a.fromArray=function(e,t){for(var r=new
a,n=0,i=e.length;n<i;n++)r.add(e[n],t);return r},a.prototype.size=function(){return
s?this._set.size:Object.getOwnPropertyNames(this._set).length},a.prototype.add=function(e,t){var
r=s?e.n.toString(e),a=s?this.has(e):i.call(this._set,r),o=this._array.length;a&&t||this._array.push(e),a||s?this._set
.set(e,o):this._set[r]=o},a.prototype.has=function(e){if(s)return this._set.has(e);var t=n.toString(e);return
i.call(this._set,t)},a.prototype.indexOf=function(e){if(s){var t=this._set.get(e);if(t>=0)return t}else{var
r=n.toString(e);if(i.call(this._set,r))return this._set[r]}throw new Error("\\"'+e+"\" is not in the
set.')},a.prototype.at=function(e){if(e>=0&&e<this._array.length)return this._array[e];throw new Error("No
element indexed by "+e)},a.prototype.toArray=function(){return
this._array.slice(),t.ArraySet=a,function(e,t,r){use
strict;Object.defineProperty(t,"__esModule",{value:!0}),t.needsWhitespace=h,t.needsWhitespaceBefore=function(
e,t){return h(e,t,"before")},t.needsWhitespaceAfter=function(e,t){return
h(e,t,"after")},t.needsParens=function(e,t,r){if(!t)return!1;if(s.isNewExpression(t)&&t.callee===e&&function

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e(t){if(s.isCallExpression(t))return!0;return s.isMemberExpression(t)&&e(t.object)}(e))return!0;return
d(c,e,t,r);var n=o(r(325)),i=o(r(326)),s=o(r(0));function a(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return a=function(){return e},e}function o(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=a();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}function l(e){const t={};function r(e,r){const n=t[e];t[e]=n?function(e,t,i){const
s=n(e,t,i);return null===s?r(e,t,i):s}:r}for(const t of Object.keys(e)){const
n=s.FLIPPED_ALIAS_KEYS[t];if(n)for(const i of n)r(i,e[t]);else r(t,e[t])}return t}const
c=l(i),p=l(n.nodes),u=l(n.list);function d(e,t,r,n){const i=e[t.type];return i?i(t,r,n):null}function h(e,t,r){if(!e)return
0;s.isExpressionStatement(e)&&(e=e.expression);let n=d(p,e,t);if(!n){const i=d(u,e,t);if(i)for(let
t=0;t<i.length&&(n=h(i[t],e,r),!n);t++);}return"object"===typeof n&&null!==n&&n[r]||0}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.ImportSpecifier=function(e){ "type"===e.importKind&&
"typeof"===e.importKind||(this.word(e.importKind),this.space());this.print(e.imported,e),e.local&&e.local.name!==e
.imported.name&&(this.space(),this.word("as"),this.space(),this.print(e.local,e))},t.ImportDefaultSpecifier=function
(e){ this.print(e.local,e)},t.ExportDefaultSpecifier=function(e){ this.print(e.exported,e)},t.ExportSpecifier=function(e
){ this.print(e.local,e),e.exported&&e.local.name!==e.exported.name&&(this.space(),this.word("as"),this.space(),thi
s.print(e.exported,e))},t.ExportNamespaceSpecifier=function(e){ this.token("*"),this.space(),this.word("as"),this.spa
ce(),this.print(e.exported,e)},t.ExportAllDeclaration=function(e){ this.word("export"),this.space(),"type"===e.export
Kind&&(this.word("type"),this.space());this.token("*"),this.space(),this.word("from"),this.space(),this.print(e.source
,e),this.printAssertions(e),this.semicolon()),t.ExportNamedDeclaration=function(e){ this.format.decoratorsBeforeEx
port&&n.isClassDeclaration(e.declaration)&&this.printJoin(e.declaration.decorators,e);this.word("export"),this.spac
e(),s.apply(this,arguments)},t.ExportDefaultDeclaration=function(e){ this.format.decoratorsBeforeExport&&n.isCla
ssDeclaration(e.declaration)&&this.printJoin(e.declaration.decorators,e);this.word("export"),this.space(),this.word("
default"),this.space(),s.apply(this,arguments)},t.ImportDeclaration=function(e){ var
t;this.word("import"),this.space(),"type"===e.importKind||"typeof"===e.importKind&&(this.word(e.importKind),
this.space());const r=e.specifiers.slice(0);if(null===r?void 0:r.length){ for(;;){ const
t=r[0];if(!n.isImportDefaultSpecifier(t)&&!n.isImportNamespaceSpecifier(t))break;this.print(r.shift(),e),r.length&&
(this.token(", "),this.space())}r.length&&(this.token("{ "),this.space(),this.printList(r,e),this.space(),this.token("}
")),thi
s.space(),this.word("from"),this.space()}this.print(e.source,e),this.printAssertions(e),(null==(t=e.attributes)?void
0:t.length)&&(this.space(),this.word("with"),this.space(),this.printList(e.attributes,e));this.semicolon()),t.ImportAttr
ibute=function(e){ this.print(e.key),this.token(":"),this.space(),this.print(e.value)},t.ImportNamespaceSpecifier=func
tion(e){ this.token("*"),this.space(),this.word("as"),this.space(),this.print(e.local,e)};var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){ var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e){if(e.declaration){const
t=e.declaration;this.print(t,e),n.isStatement(t)||this.semicolon()}else{ "type"===e.exportKind&&(this.word("type"),t
his.space());const t=e.specifiers.slice(0);let r=!1;for(;;){ const
i=t[0];if(!n.isExportDefaultSpecifier(i)&&!n.isExportNamespaceSpecifier(i))break;r=!0,this.print(t.shift(),e),t.length
&&(this.token(", "),this.space())}(t.length||t.length&&!r)&&(this.token("{ "),t.length&&(this.space(),this.printList(t,
e),this.space(),this.token("}
")),e.source&&(this.space(),this.word("from"),this.space(),this.print(e.source,e),this.prin
tAssertions(e),this.semicolon())}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.Identifier=function(e){ this.exactSource(e.loc,()=>>{ this.w

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ord(e.name)}),t.ArgumentPlaceholder=function(){this.token("?")},t.SpreadElement=t.RestElement=function(e){this.token("..."),this.print(e.argument,e)},t.ObjectPattern=t.ObjectExpression=function(e){const t=e.properties;this.token("{"),this.printInnerComments(e),t.length&&(this.space(),this.printList(t,e,{indent:!0,statement:!0}),this.space());this.token(")"),t.ObjectMethod=function(e){this.printJoin(e.decorators,e),this._methodHead(e),this.space(),this.print(e.body,e)},t.ObjectProperty=function(e){if(this.printJoin(e.decorators,e),e.computed)this.token("["),this.print(e.key,e),this.token("]");else{if(i.isAssignmentPattern(e.value)&&i.isIdentifier(e.key)&&e.key.name===e.value.left.name)return void this.print(e.value,e);if(this.print(e.key,e),e.shorthand&&i.isIdentifier(e.key)&&i.isIdentifier(e.value)&&e.key.name===e.value.name)return }this.token(":"),this.space(),this.print(e.value,e)},t.ArrayPattern=t.ArrayExpression=function(e){const t=e.elements,r=t.length;this.token "["),this.printInnerComments(e);for(let n=0;n<t.length;n++){const i=t[n];i?(n>0&&this.space(),this.print(i,e),n<r-1&&this.token(", ")):this.token(", ")}this.token("]"),t.RecordExpression=function(e){const t=e.properties;let r,n;if("bar"===this.format.recordAndTupleSyntaxType)r="{",n="}";else{if("hash"!==this.format.recordAndTupleSyntaxType)throw new Error(`The "recordAndTupleSyntaxType" generator option must be "bar" or "hash" (${JSON.stringify(this.format.recordAndTupleSyntaxType)} received).`);r="#{"",n="}" }this.token(r),this.printInnerComments(e),t.length&&(this.space(),this.printList(t,e,{indent:!0,statement:!0}),this.space());this.token(n)},t.TupleExpression=function(e){const t=e.elements,r=t.length;let n,i;if("bar"===this.format.recordAndTupleSyntaxType)n="["",i="]";else{if("hash"!==this.format.recordAndTupleSyntaxType)throw new Error(this.format.recordAndTupleSyntaxType+" is not a valid recordAndTuple syntax type");n="#["",i="]"}this.token(n),this.printInnerComments(e);for(let n=0;n<t.length;n++){const i=t[n];i&&(n>0&&this.space(),this.print(i,e),n<r-1&&this.token(", "));this.token(i)},t.RegExpLiteral=function(e){this.word(`/${e.pattern}/${e.flags}`)},t.BooleanLiteral=function(e){this.word(e.value?"true":"false")},t.NullLiteral=function(){this.word("null")},t.NumericLiteral=function(e){const t=this.getPossibleRaw(e),r=this.format.jsescOption,n=e.value+"";r.numbers?this.number((0,s.default)(e.value,r)):null===t?this.number(n):this.format.minified?this.number(t.length<n.length?t:n):this.number(t)},t.StringLiteral=function(e){const t=this.getPossibleRaw(e);if(!this.format.minified&&null!=t)return void this.token(t);const r=this.format.jsescOption;this.format.jsonCompatibleStrings&&(r.json=!0);const n=(0,s.default)(e.value,r);return this.token(n)},t.BigIntLiteral=function(e){const t=this.getPossibleRaw(e);if(!this.format.minified&&null!=t)return void this.token(t);this.token(e.value+"n")},t.DecimalLiteral=function(e){const t=this.getPossibleRaw(e);if(!this.format.minified&&null!=t)return void this.token(t);this.token(e.value+"m")},t.PipelineTopicExpression=function(e){this.print(e.expression,e)},t.PipelineBareFunction=function(e){this.print(e.callee,e)},t.PipelinePrimaryTopicReference=function(){this.token("#")};var n,i=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=a();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in e)if(Object.prototype.hasOwnProperty.call(e,i)){var s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t&&t.set(e,r);return r}(r(0)),s=(n=r(333))&&n.__esModule?n:{default:n};function a(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return a=function(){return e},e},function(e,t,r){if("use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.codeFrameColumns=o,t.default=function(e,t,r,n){if(!s){s=!0;const e="Passing lineNumber and colNumber is deprecated to @babel/code-frame. Please use `codeFrameColumns`.";if(process.emitWarning)process.emitWarning(e,"DeprecationWarning");else{new Error(e).name="DeprecationWarning",console.warn(new Error(e))}}r=Math.max(r,0);return o(e,{start:{column:r,line:t},n});var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in e)if(Object.prototype.hasOwnProperty.call(e,s)){var

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a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s];r.default=e
,&&t.set(e,r);return r}(r(343));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}let s=!1;const a=/\r\n|[\u2028\u2029]/;function o(e,t,r){const
i=(r.highlightCode||r.forceColor)&&(0,n.shouldHighlight)(r),s=(0,n.getChalk)(r),o=function(e){return{gutter:e.grey,
marker:e.red.bold,message:e.red.bold}}(s),l=(e,t)=>i?e(t):t,c=e.split(a),{start:p,end:u,markerLines:d}=function(e,t,r)
{const n=Object.assign({column:0,line:-
1},e.start),i=Object.assign({},n,e.end),{linesAbove:s=2,linesBelow:a=3}=r||{}},o=n.line,l=n.column,c=i.line,p=i.colu
mn;let u=Math.max(o-(s+1),0),d=Math.min(t.length,c+a),-1===o&&(u=0),-1===c&&(d=t.length);const h=c-
o,f={};if(h)for(let e=0;e<=h;e++){const r=e+o;if(0===e){const e=t[r-1].length;f[r]=[e-1+1]}else
if(e===h)f[r]=[0,p];else{const n=t[r-e].length;f[r]=[0,n]}else f[r]=!0}f[o]=l===p?!l||[l,0]:[l,p-
l];return{start:u,end:d,markerLines:f}}(t,c,r),h=t.start&&"number"===typeof t.start.column,f=String(u).length;let
m=(i?(0,n.default)(e,r):e).split(a).slice(p,u).map((e,t)=>{const n=p+1+t,i=`{"`+n).slice(-f)
|,s=d[n],a=!d[n+1];if(s){let t="";if(Array.isArray(s)){const n=e.slice(0,Math.max(s[0]-1,0)).replace(/(^\t)/g,"
"),c=s[1]||1;t=["\n",l(o.gutter,i.replace(/d/g," ")),",",n,l(o.marker,"^").repeat(c)].join(""),a&&r.message&&(t+="
"+l(o.message,r.message))}return[l(o.marker,">"),l(o.gutter,i),e.length>0?" "+e:""].join("")}return`
${l(o.gutter,i)}${e.length>0?" "+e:""}`}).join("\n");return r.message&&!h&&(m=`${"
".repeat(f+1)}${r.message}\n${m}`),i?s.reset(m):m}},function(e,t,r){var n=r(349),i={};for(var s in
n)n.hasOwnProperty(s)&&(i[n[s]]=s);var
a=e.exports={rgb:{channels:3,labels:"rgb"},hsl:{channels:3,labels:"hsl"},hsv:{channels:3,labels:"hsv"},hwb:{chann
els:3,labels:"hwb"},cmyk:{channels:4,labels:"cmyk"},xyz:{channels:3,labels:"xyz"},lab:{channels:3,labels:"lab"},l
ch:{channels:3,labels:"lch"},hex:{channels:1,labels:["hex"]},keyword:{channels:1,labels:["keyword"]},ansi16:{cha
nnels:1,labels:["ansi16"]},ansi256:{channels:1,labels:["ansi256"]},hcg:{channels:3,labels:["h","c","g"]},apple:{cha
nnels:3,labels:["r16","g16","b16"]},gray:{channels:1,labels:["gray"]}};for(var o in
a)if(a.hasOwnProperty(o)){if(!("channels"in a[o]))throw new Error("missing channels property: "+o);if(!("labels"in
a[o]))throw new Error("missing channel labels property: "+o);if(a[o].labels.length!==a[o].channels)throw new
Error("channel and label counts mismatch: "+o);var l=a[o].channels,c=a[o].labels;delete a[o].channels,delete
a[o].labels,Object.defineProperty(a[o],"channels",{value:l}),Object.defineProperty(a[o],"labels",{value:c})}a.rgb.hs
l=function(e){var t,r,n=e[0]/255,i=e[1]/255,s=e[2]/255,a=Math.min(n,i,s),o=Math.max(n,i,s),l=o-a;return
o===a?t=0:n===o?t=(i-s)/l:i===o?t=2+(s-n)/l:s===o&&(t=4+(n-
i)/l),(t=Math.min(60*t,360))<0&&(t+=360),r=(a+o)/2,[t,100*(o===a?0:r<=.5?l/(o+a):l/(2-o-
a)),100*r]},a.rgb.hsv=function(e){var t,r,n,i,s,a=e[0]/255,o=e[1]/255,l=e[2]/255,c=Math.max(a,o,l),p=c-
Math.min(a,o,l),u=function(e){return(c-e)/6/p+.5};return 0===p?i=s=0:(s=p/c,t=u(a),r=u(o),n=u(l),a===c?i=n-
r:o===c?i=1/3+t-n:l===c&&(i=2/3+r-t),i<0?i+=1:i>1&&(i-=1)),[360*i,100*s,100*c]},a.rgb.hwb=function(e){var
t=e[0],r=e[1],n=e[2];return[a.rgb.hsl(e)[0],100*(1/255*Math.min(t,Math.min(r,n))),100*(n=1-
1/255*Math.max(t,Math.max(r,n)))]},a.rgb.cmyk=function(e){var
t,r=e[0]/255,n=e[1]/255,i=e[2]/255;return[100*((1-r-(t=Math.min(1-r,1-n,1-i)))/(1-t)||0),100*((1-n-t)/(1-
t)||0),100*((1-i-t)/(1-t)||0),100*t]},a.rgb.keyword=function(e){var t=i[e];if(t)return t;var r,s,a,o=1/0;for(var l in
n)if(n.hasOwnProperty(l)){var c=n[l],p=(s=e,a=c,Math.pow(s[0]-a[0],2)+Math.pow(s[1]-a[1],2)+Math.pow(s[2]-
a[2],2));p<o&&(o=p,r=l)}return r},a.keyword.rgb=function(e){return n[e]},a.rgb.xyz=function(e){var
t=e[0]/255,r=e[1]/255,n=e[2]/255;return[100*(.4124*(t>.04045?Math.pow((t+.055)/1.055,2.4):t/12.92)+.3576*(r=
r>.04045?Math.pow((r+.055)/1.055,2.4):r/12.92)+.1805*(n>.04045?Math.pow((n+.055)/1.055,2.4):n/12.92)),100
*(.2126*t+.7152*r+.0722*n),100*(.0193*t+.1192*r+.9505*n)]},a.rgb.lab=function(e){var
t=a.rgb.xyz(e),r=t[0],n=t[1],i=t[2];return
n/=100,i/=108.883,r=(r/=95.047)>.008856?Math.pow(r,1/3):7.787*r+16/116,[116*(n>.008856?Math.pow(n,1/3):
7.787*n+16/116)-16,500*(r-n),200*(n-(i>.008856?Math.pow(i,1/3):7.787*i+16/116))]},a.hsl.rgb=function(e){var
t,r,n,i,s,a=e[0]/360,o=e[1]/100,l=e[2]/100;if(0===o)return[s=255*1,s,s];t=2*1-(r=1<.5?1*(1+o):1+o-
l*o),i=[0,0,0];for(var c=0;c<3;c++){n=a+1/3*-(c-1)<0&&n++,n>1&&n--,s=6*n<1?t+6*(r-
t)*n:2*n<1?r:3*n<2?t+(r-t)*(2/3-n)*6:t,i[c]=255*s;return i},a.hsl.hsv=function(e){var

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t=e[0],r=e[1]/100,n=e[2]/100,i=r,s=Math.max(n,.01);return r*(n*(n-2)<=1?n:2-n,i*(s<=1?s:2-
s,[t,100*(0===n?2*i/(s+i):2*r/(n+r)),100*((n+r)/2)]),a.hsv.rgb=function(e){var
t=e[0]/60,r=e[1]/100,n=e[2]/100,i=Math.floor(t)%6,s=t-Math.floor(t),a=255*n*(1-r),o=255*n*(1-r*s),l=255*n*(1-
r*(1-s));switch(n*=255,i){case 0:return[n,l,a];case 1:return[o,n,a];case 2:return[a,n,l];case 3:return[a,o,n];case
4:return[l,a,n];case 5:return[n,a,o]}}},a.hsv.hsl=function(e){var
t,r,n,i=e[0],s=e[1]/100,a=e[2]/100,o=Math.max(a,.01);return n=(2-s)*a,r=s*o,[i,100*(r=(r/(t=(2-s)*o)<=1?t:2-
t))||0),100*(n/=2)]},a.hwb.rgb=function(e){var
t,r,n,i,s,a,o,l=e[0]/360,c=e[1]/100,p=e[2]/100,u=c+p;switch(u>1&&(c/=u,p/=u),n=6*1-
(t=Math.floor(6*t)),0!=(1&t)&&(n=1-n),i=c+n*((r=1-p)-c),t){default:case 6:case 0:s=r,a=i,o=c;break;case
1:s=i,a=r,o=c;break;case 2:s=c,a=r,o=i;break;case 3:s=c,a=i,o=r;break;case 4:s=i,a=c,o=r;break;case
5:s=r,a=c,o=i}return[255*s,255*a,255*o]},a.cmyk.rgb=function(e){var
t=e[0]/100,r=e[1]/100,n=e[2]/100,i=e[3]/100;return[255*(1-Math.min(1,t*(1-i)+i)),255*(1-Math.min(1,r*(1-
i)+i)),255*(1-Math.min(1,n*(1-i)+i))],a.xyz.rgb=function(e){var t,r,n,i=e[0]/100,s=e[1]/100,a=e[2]/100;return r=-
.9689*i+1.8758*s+.0415*a,n=.0557*i+-.204*s+1.057*a,t=(t=3.2406*i+-1.5372*s+-
.4986*a)>.0031308?1.055*Math.pow(t,1/2.4)-.055:12.92*t,r=r>.0031308?1.055*Math.pow(r,1/2.4)-
.055:12.92*r,n=n>.0031308?1.055*Math.pow(n,1/2.4)-
.055:12.92*n,[255*(t=Math.min(Math.max(0,t),1)),255*(r=Math.min(Math.max(0,r),1)),255*(n=Math.min(Math.m
ax(0,n),1))],a.xyz.lab=function(e){var t=e[0],r=e[1],n=e[2];return
r/=100,n/=108.883,t=(t/=95.047)>.008856?Math.pow(t,1/3):7.787*t+16/116,[116*(r>.008856?Math.pow(r,1/3):7.
787*r+16/116)-16,500*(t-r),200*(r-(n>.008856?Math.pow(n,1/3):7.787*n+16/116))],a.lab.xyz=function(e){var
t,r,n,i=e[0];t=e[1]/500+(r=(i+16)/116),n=r-e[2]/200;var s=Math.pow(r,3),a=Math.pow(t,3),o=Math.pow(n,3);return
r=s>.008856?s:(r-16/116)/7.787,t=a>.008856?a:(t-16/116)/7.787,n=o>.008856?o:(n-
16/116)/7.787,[t*=95.047,r*=100,n*=108.883]},a.lab.lch=function(e){var
t,r=e[0],n=e[1],i=e[2];return(t=360*Math.atan2(i,n)/Math.PI)<0&&(t+=360),[r,Math.sqrt(n*n+i*i),t]},a.lch.lab=fu
nction(e){var t,r=e[0],n=e[1];return
t=e[2]/360*2*Math.PI,[r,n*Math.cos(t),n*Math.sin(t)]},a.rgb.ansi16=function(e){var t=e[0],r=e[1],n=e[2],i=1 in
arguments?arguments[1]:a.rgb.hsv(e)[2];if(0===i=Math.round(i/50))return 30;var
s=30+(Math.round(n/255)<<2|Math.round(r/255)<<1|Math.round(t/255));return
2===i&&(s+=60),s},a.hsv.ansi16=function(e){return a.rgb.ansi16(a.hsv.rgb(e),e[2])},a.rgb.ansi256=function(e){var
t=e[0],r=e[1],n=e[2];return t===r&&r===n?t<8?16:t>248?231:Math.round((t-
8)/247*24)+232:16+36*Math.round(t/255*5)+6*Math.round(r/255*5)+Math.round(n/255*5)},a.ansi16.rgb=functio
n(e){var t=e%10;if(0===t|7===t)return e>50&&(t+=3.5),[t=t/10.5*255,t,t];var
r=.5*(1+~~(e>50));return[(1&t)*r*255,(t>>1&1)*r*255,(t>>2&1)*r*255]},a.ansi256.rgb=function(e){if(e>=232){
var t=10*(e-232)+8;return[t,t,t]}var r;return e-
=16,[Math.floor(e/36)/5*255,Math.floor((r=e%36)/6)/5*255,r%6/5*255]},a.rgb.hex=function(e){var
t=(((255&Math.round(e[0]))<<16)+((255&Math.round(e[1]))<<8)+(255&Math.round(e[2])))>>16).toString(16).toUpperC
ase();return"000000".substring(t.length)+t},a.hex.rgb=function(e){var t=e.toString(16).match(/([a-f0-9]{6})|([a-f0-
9]{3})/i);if(!t)return[0,0,0];var r=t[0];3===t[0].length&&(r=r.split("").map((function(e){return e+e})).join(""));var
n=parseInt(r,16);return[n>>16&255,n>>8&255,255&n]},a.rgb.hcg=function(e){var
t,r=e[0]/255,n=e[1]/255,i=e[2]/255,s=Math.max(Math.max(r,n),i),a=Math.min(Math.min(r,n),i),o=s-a;return
t=o<=0?0:s===r?(n-i)/o%6:s===n?2+(i-r)/o:4+(r-n)/o+4,t/=6,[360*(t%=1),100*o,100*(o<1?a/(1-
o):0)]},a.hsl.hcg=function(e){var t=e[1]/100,r=e[2]/100,n=1,i=0;return(n=r<.5?2*t*r:2*t*(1-r)<1&&(i=(r-.5*n)/(1-
n)),[e[0],100*n,100*i]),a.hsv.hcg=function(e){var t=e[1]/100,r=e[2]/100,n=t*r,i=0;return n<1&&(i=(r-n)/(1-
n)),[e[0],100*n,100*i]},a.hcg.rgb=function(e){var
t=e[0]/360,r=e[1]/100,n=e[2]/100;if(0===r)return[255*n,255*n,255*n];var i,s=[0,0,0],a=t%1*6,o=a%1,l=1-
o;switch(Math.floor(a)){case 0:s[0]=1,s[1]=o,s[2]=0;break;case 1:s[0]=1,s[1]=1,s[2]=0;break;case
2:s[0]=0,s[1]=1,s[2]=o;break;case 3:s[0]=0,s[1]=1,s[2]=1;break;case
4:s[0]=o,s[1]=0,s[2]=1;break;default:s[0]=1,s[1]=0,s[2]=1}return i=(1-

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r)*n,[255*(r*s[0]+i),255*(r*s[1]+i),255*(r*s[2]+i)],a.hcg.hsv=function(e){var t=e[1]/100,r=t+e[2]/100*(1-
t),n=0;return r>0&&(n=t/r),[e[0],100*n,100*r]},a.hcg.hsl=function(e){var t=e[1]/100,r=e[2]/100*(1-
t)+.5*t,n=0;return r>0&&r<.5?n=t/(2*r):r>=.5&&r<1&&(n=t/(2*(1-
r))),[e[0],100*n,100*r]},a.hcg.hwb=function(e){var t=e[1]/100,r=t+e[2]/100*(1-t);return[e[0],100*(r-t),100*(1-
r)]},a.hwb.hcg=function(e){var t=e[1]/100,r=1-e[2]/100,n=r-t,i=0;return n<1&&(i=(r-n)/(1-
n)),[e[0],100*n,100*i]},a.apple.rgb=function(e){return[e[0]/65535*255,e[1]/65535*255,e[2]/65535*255]},a.rgb.app
le=function(e){return[e[0]/255*65535,e[1]/255*65535,e[2]/255*65535]},a.gray.rgb=function(e){return[e[0]/100*2
55,e[0]/100*255,e[0]/100*255]},a.gray.hsl=a.gray.hsv=function(e){return[0,0,e[0]]},a.gray.hwb=function(e){return
[0,100,e[0]]},a.gray.cmyk=function(e){return[0,0,0,e[0]]},a.gray.lab=function(e){return[e[0],0,0]},a.gray.hex=funct
ion(e){var
t=255&Math.round(e[0]/100*255),r=((t<<16)+(t<<8)+t).toString(16).toUpperCase();return"000000".substring(r.len
gth)+r},a.rgb.gray=function(e){return[(e[0]+e[1]+e[2])/3/255*100]},function(e,t,r){
"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){const{placeholderWhitelist:a,plac
eholderPattern:o,preserveComments:c,syntacticPlaceholders:p}=r,u=function(e,t,r){const
n=(t.plugins||[]).slice();!1!==r&&n.push("placeholders");t=Object.assign({allowReturnOutsideFunction:!0,allowSup
erOutsideMethod:!0,sourceType:"module"},t,{plugins:n});try{return(0,i.parse)(e,t)}catch(t){const r=t.loc;throw
r&&(t.message+='\n'+(0,s.codeFrameColumns)(e,{start:r}),t.code="BABEL_TEMPLATE_PARSE_ERROR"),t}
(t,r.parser,p);n.removePropertiesDeep(u,{preserveComments:c}),e.validate(u);const
d={placeholders:[],placeholderNames:new Set},h={placeholders:[],placeholderNames:new Set},f={value:void
0};return
n.traverse(u,l,{syntactic:d,legacy:h,isLegacyRef:f,placeholderWhitelist:a,placeholderPattern:o,syntacticPlaceholders
:p}),Object.assign({ast:u},f.value?h:d);var n=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=a();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(20)),i=r(361),s=r(125);function a(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return a=function(){return e},e}const o=/^[_$A-Z0-9]+$/;function l(e,t,r){var i;let
s;if(n.isPlaceholder(e)){if(!1===r.syntacticPlaceholders)throw new Error("% %foo% %-style placeholders can't be
used when '\.syntacticPlaceholders' is
false.");s=e.name.name,r.isLegacyRef.value=!1}else{if(!1===r.isLegacyRef.value||r.syntacticPlaceholders)return;if(
n.isIdentifier(e)||n.isJSXIdentifier(e))s=e.name,r.isLegacyRef.value=!0}else{if(!n.isStringLiteral(e))return;s=e.value,
r.isLegacyRef.value=!0}if(!r.isLegacyRef.value&&(null!=r.placeholderPattern||null!=r.placeholderWhitelist))thro
w new Error("\.placeholderWhitelist' and '\.placeholderPattern' aren't compatible with '\.syntacticPlaceholders:
true");if(r.isLegacyRef.value&&(!1===r.placeholderPattern||!(r.placeholderPattern|o).test(s))&&!(null==(i=r.place
holderWhitelist)?void 0:i.has(s)))return;t=t.slice();const{node:a,key:l}={t:t.length-1};let
c;n.isStringLiteral(e)||n.isPlaceholder(e,{expectedNode:"StringLiteral"})?c="string":n.isNewExpression(a)&&"argu
ments"===l||n.isCallExpression(a)&&"arguments"===l||n.isFunction(a)&&"params"===l?c="param":n.isExpressio
nStatement(a)&&!n.isPlaceholder(e)?(c="statement",t=t.slice(0,-
1)):c=n.isStatement(e)&&n.isPlaceholder(e)?"statement":"other";const{placeholders:p,placeholderNames:u}=r.isLe
gacyRef.value?r.legacy:r.syntactic;p.push({name:s,type:c,resolve:e=>function(e,t){let r=e;for(let e=0;e<t.length-
1;e++){const{key:n,index:i}=t[e];r=void 0===i?r[n]:r[n][i]}const{key:n,index:i}=t[t.length-
1];return{parent:r,key:n,index:i}}(e,t),isDuplicate:u.has(s)),u.add(s)},function(e,t,r){
"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const
r=n.cloneNode(e.ast);t&&(e.placeholders.forEach(e=>{if(!Object.prototype.hasOwnProperty.call(t,e.name)){const
t=e.name;throw new Error("Error: No substitution given for "${t}". If this is not meant to be a\n
placeholder
you may want to consider passing one of the following options to @babel/template:\n
- { placeholderPattern:
false, placeholderWhitelist: new Set(['${t}'])}\n
- { placeholderPattern: /^${t}$/

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    } } } }, Object.keys(t).forEach(t=>{ if(!e.placeholderNames.has(t))throw new Error(`Unknown substitution "${t}"
given`)}));return
e.placeholders.slice().reverse().forEach(e=>{ try{ !function(e,t,r){ e.isDuplicate&&(Array.isArray(r)?r=r.map(e=>n.cl
oneNode(e)):"object"===typeof
r&&(r=n.cloneNode(r));const{ parent:i,key:s,index:a }=e.resolve(t);if("string"===e.type){ if("string"===typeof
r&&(r=n.stringLiteral(r)),!r||!n.isStringLiteral(r))throw new Error("Expected string substitution")}else
if("statement"===e.type)void 0===a?r?Array.isArray(r)?r=n.blockStatement(r):"string"===typeof
r?r=n.expressionStatement(n.identifier(r)):n.isStatement(r)||(r=n.expressionStatement(r)):r=n.emptyStatement():r&&
!Array.isArray(r)&&("string"===typeof r&&(r=n.identifier(r)),n.isStatement(r)||(r=n.expressionStatement(r));else
if("param"===e.type){ if("string"===typeof r&&(r=n.identifier(r)),void 0===a)throw new Error("Assertion
failure.")}else if("string"===typeof r&&(r=n.identifier(r)),Array.isArray(r))throw new Error("Cannot replace single
expression with an array.");if(void 0===a)n.validate(i,s,r),i[s]=r;else{ const
t=i[s].slice();"statement"===e.type||"param"===e.type?null==r?t.splice(a,1):Array.isArray(r)?t.splice(a,1,...r):t[a]=r:
t[a]=r,n.validate(i,s,t),i[s]=t } (e,r,t&&t[e.name]||null) } catch(t){ throw t.message=`@babel/template placeholder
"${e.name}": ${t.message}` ,t } },r);var n=function(e){ if(e&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{ default:e };var t=i();if(t&&t.has(e))return t.get(e);var
r={ },n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){ var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,&&t.set(e,r);return r}(r(20));function i(){ if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){ return e },e },function(e,t,r){ var n,i,s;!function(a,o){ "use strict";i=[r(373)],void
0===(s="function"===typeof(n=function(e){ var t=/(^@)\S+:\d+/,r=/^\s*at
.*(\S+:\d+|(native))/m,n=/^(eval@)?(\[native code\])?$/;return{ parse:function(e){ if(void 0!===e.stacktrace||void
0!===e["opera#sourceloc"])return this.parseOpera(e);if(e.stack&&e.stack.match(r))return
this.parseV8OrIE(e);if(e.stack)return this.parseFFOrSafari(e);throw new Error("Cannot parse given Error
object")},extractLocation:function(e){ if(-1===e.indexOf(":"))return[e];var
t=/(.+)?(?::(\d+)?(?::(\d+)?)/$.exec(e.replace(/[/]/g,""));return[t[1],t[2]||void 0,t[3]||void
0]},parseV8OrIE:function(t){ return
t.stack.split("\n").filter((function(e){ return!e.match(r)}),this).map((function(t){ t.indexOf("eval ")>-
1&&(t=t.replace(/eval code/g,"eval").replace(/(\(eval at [^()]*\)|\(\),.*$/g,""));var
r=t.replace(/^\s+/, "").replace(/\(eval code/g,""),n=r.match(/
(\((.+):(\d+):(\d+)\)\s$)/),i=(r=n?r.replace(n[0], ""):r).split(/\s+/).slice(1),s=this.extractLocation(n?n[1]:i.pop()),a=i.j
oin(" ")||void 0,o=["eval","<anonymous>"].indexOf(s[0])>-1?void 0:s[0];return new
e({ functionName:a,fileName:o,lineNumber:s[1],columnNumber:s[2],source:t})),this)},parseFFOrSafari:function(t)
{ return t.stack.split("\n").filter((function(e){ return!e.match(n)}),this).map((function(t){ if(t.indexOf(" > eval")>-
1&&(t=t.replace(/ line (\d+)? > eval line \d+ > eval:\d+:\d+/,":$1")), -1===t.indexOf("@")&&-
1===t.indexOf(":"))return new e({ functionName:t});var
r=/(.*".+"[^@]*)?[^@]*?(?:@)/,n=t.match(r),i=n&&n[1]?n[1]:void 0,s=this.extractLocation(t.replace(r,""));return
new
e({ functionName:i,fileName:s[0],lineNumber:s[1],columnNumber:s[2],source:t})),this)},parseOpera:function(e){ r
eturn!e.stacktrace||e.message.indexOf("\n")>-
1&&e.message.split("\n").length>e.stacktrace.split("\n").length?this.parseOpera9(e):e.stack?this.parseOpera11(e):t
his.parseOpera10(e)},parseOpera9:function(t){ for(var r=/Line (\d+). *script (?in
)?(\S+)/i,n=t.message.split("\n"),i=[],s=2,a=n.length;s<a;s+=2){ var o=r.exec(n[s]);o&&i.push(new
e({ fileName:o[2],lineNumber:o[1],source:n[s]})}return i},parseOpera10:function(t){ for(var r=/Line (\d+). *script
(?in)?(\S+)?(?: In function (\S+))?\$/i,n=t.stacktrace.split("\n"),i=[],s=0,a=n.length;s<a;s+=2){ var
o=r.exec(n[s]);o&&i.push(new e({ functionName:o[3]||void 0,fileName:o[2],lineNumber:o[1],source:n[s]})}return
i},parseOpera11:function(r){ return r.stack.split("\n").filter((function(e){ return!e.match(t)&&!e.match(/^Error

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created at/)),this).map((function(t){var
r,n=t.split("@"),i=this.extractLocation(n.pop()),s=n.shift()||"",a=s.replace(/<anonymous function(
(\w+)?>/,"$2").replace(/\([^\)]*\)/g,"")||void
0;s.match(/\([^\)]*\)/)&&(r=s.replace(/^[^(\+|\\\([^\)]*\))/\$/,"$1"));var o=void 0===r||"[arguments not
available]"===r?void 0:r.split(",");return new
e({functionName:a,args:o,fileName:i[0],lineNumber:i[1],columnNumber:i[2],source:t})),this)}})?n.apply(t,i):n||(
e.exports=s)}),function(e,t,r){ "use strict";function n(e){ var t=this;if(t instanceof n||(t=new
n),t.tail=null,t.head=null,t.length=0,e&&"function"===typeof e.forEach)e.forEach((function(e){t.push(e)}));else
if(arguments.length>0)for(var r=0,i=arguments.length;r<i;r++)t.push(arguments[r]);return t}function i(e,t,r){ var
n=t===e.head?new o(r,null,t,e):new o(r,t,t.next,e);return
null===n.next&&(e.tail=n),null===n.prev&&(e.head=n),e.length++,n}function s(e,t){e.tail=new
o(t,e.tail,null,e),e.head||(e.head=e.tail),e.length++}function a(e,t){e.head=new
o(t,null,e.head,e),e.tail||(e.tail=e.head),e.length++}function o(e,t,r,n){if(!(this instanceof o))return new
o(e,t,r,n);this.list=n,this.value=e,t?(t.next=this,this.prev=t):this.prev=null,r?(r.prev=this,this.next=r):this.next=null}e.
exports=n,n.Node=o,n.create=n,n.prototype.removeNode=function(e){if(e.list!==this)throw new Error("removing
node which does not belong to this list");var t=e.next,r=e.prev;return
t&&(t.prev=r),r&&(r.next=t),e===this.head&&(this.head=t),e===this.tail&&(this.tail=r),e.list.length--
,e.next=null,e.prev=null,e.list=null,t},n.prototype.unshiftNode=function(e){if(e===this.head){e.list&&e.list.remove
Node(e);var
t=this.head;e.list=this,e.next=t,t&&(t.prev=e),this.head=e,this.tail||(this.tail=e),this.length++},n.prototype.pushNod
e=function(e){if(e===this.tail){e.list&&e.list.removeNode(e);var
t=this.tail;e.list=this,e.prev=t,t&&(t.next=e),this.tail=e,this.head||(this.head=e),this.length++},n.prototype.push=fun
ction(){for(var e=0,t=arguments.length;e<t;e++)s(this,arguments[e]);return
this.length},n.prototype.unshift=function(){for(var e=0,t=arguments.length;e<t;e++)a(this,arguments[e]);return
this.length},n.prototype.pop=function(){if(this.tail){ var e=this.tail.value;return
this.tail=this.tail.prev,this.tail?this.tail.next=null:this.head=null,this.length--
,e}},n.prototype.shift=function(){if(this.head){ var e=this.head.value;return
this.head=this.head.next,this.head?this.head.prev=null:this.tail=null,this.length--
,e}},n.prototype.forEach=function(e,t){t=t||this;for(var
r=this.head,n=0,null!==(r;n++)e.call(t,r.value,n,this),r=r.next},n.prototype.forEachReverse=function(e,t){t=t||this;for
(var r=this.tail,n=this.length-1,null!==(r;n--e.call(t,r.value,n,this),r=r.prev},n.prototype.get=function(e){for(var
t=0,r=this.head;null!==(r&&t<e;t++)r=r.next;if(t===e&&null!==(r))return
r.value},n.prototype.getReverse=function(e){for(var
t=0,r=this.tail;null!==(r&&t<e;t++)r=r.prev;if(t===e&&null!==(r))return
r.value},n.prototype.map=function(e,t){t=t||this;for(var r=new
n,i=this.head;null!==(i);r.push(e.call(t,i.value,this)),i=i.next;return
r},n.prototype.mapReverse=function(e,t){t=t||this;for(var r=new
n,i=this.tail;null!==(i);r.push(e.call(t,i.value,this)),i=i.prev;return r},n.prototype.reduce=function(e,t){ var
r,n=this.head;if(arguments.length>1)r=t;else{if(!this.head)throw new TypeError("Reduce of empty list with no
initial value");n=this.head.next,r=this.head.value}for(var i=0;null!==(n;i++)r=e(r,n.value,i),n=n.next;return
r},n.prototype.reduceReverse=function(e,t){ var r,n=this.tail;if(arguments.length>1)r=t;else{if(!this.tail)throw new
TypeError("Reduce of empty list with no initial value");n=this.tail.prev,r=this.tail.value}for(var i=this.length-
1;null!==(n;i--)r=e(r,n.value,i),n=n.prev;return r},n.prototype.toArray=function(){for(var e=new
Array(this.length),t=0,r=this.head;null!==(r;t++)e[t]=r.value,r=r.next;return
e},n.prototype.toArrayReverse=function(){for(var e=new
Array(this.length),t=0,r=this.tail;null!==(r;t++)e[t]=r.value,r=r.prev;return
e},n.prototype.slice=function(e,t){(t=t||this.length)<0&&(t+=this.length),(e=e||0)<0&&(e+=this.length);var r=new
n;if(t<e||t<0)return r;e<0&&(e=0),t>this.length&&(t=this.length);for(var

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i=0,s=this.head;null!==s&&i<e;i++)s=s.next;for(;null!==s&&i<t;i++,s=s.next)r.push(s.value);return
r},n.prototype.sliceReverse=function(e,t){(t=t||this.length)<0&&(t+=this.length),(e=e||0)<0&&(e+=this.length);var
r=new n;if(t<e||t<0)return r;e<0&&(e=0),t>this.length&&(t=this.length);for(var
i=this.length,s=this.tail;null!==s&&i>t;i--,s=s.prev);for(;null!==s&&i>e;i--,s=s.prev)r.push(s.value);return
r},n.prototype.splice=function(e,t){e>this.length&&(e=this.length-1),e<0&&(e=this.length+e);for(var
r=0,n=this.head;null!==n&&r<e;r++)n=n.next;var
s=[];for(r=0;n&&r<t;r++)s.push(n.value),n=this.removeNode(n);null===n&&(n=this.tail),n!==this.head&&n!==thi
s.tail&&(n=n.prev);for(r=2;r<arguments.length;r++)n=i(this,n,arguments[r]);return
s},n.prototype.reverse=function(){for(var e=this.head,t=this.tail,r=e;null!==r;r=r.prev){var
n=r.prev;r.prev=r.next,r.next=n}return this.head=t,this.tail=e,this};try{r(131)(n)}catch(e){}},function(e,t,r){
"use strict";e.exports=function(e){e.prototype[Symbol.iterator]=function*(){for(let e=this.head;e=e.next)yield
e.value}}},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n,i=(n=r(8))&&n.__esModule?n:{default:n},s=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=a();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0));function a(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
a=function(){return
e,e}.t.default=class{constructor(e,t,r,n){this.queue=null,this.parentPath=n,this.scope=e,this.state=r,this.opts=t}sho
ldVisit(e){const t=this.opts;if(t.enter|t.exit)return!0;if(t[e.type])return!0;const
r=s.VISITOR_KEYS[e.type];if(!(null==r?void 0:r.length))return!1;for(const t of
r)if(e[t])return!0;return!1}create(e,t,r,n){return
i.default.get({parentPath:this.parentPath,parent:e,container:t,key:r,listKey:n})}maybeQueue(e,t){if(this.trap)throw
new Error("Infinite cycle
detected");this.queue&&(t?this.queue.push(e):this.priorityQueue.push(e))}visitMultiple(e,t,r){if(0===e.length)retur
n!1;const n=[];for(let i=0;i<e.length;i++){const s=e[i];s&&this.shouldVisit(s)&&n.push(this.create(t,e,i,r))}return
this.visitQueue(n)}visitSingle(e,t){return!!this.shouldVisit(e[t])&&this.visitQueue([this.create(e,e,t)])}visitQueue(e)
{this.queue=e,this.priorityQueue=[];const t=[];let r=!1;for(const n of
e)if(n.resync(),0!==(n.contexts.length&&n.contexts[n.contexts.length-
1])===this||n.pushContext(this),null!==(n.key&&(t.indexOf(n.node)>=0))){if(t.push(n.node),n.visit()){r=!0;break}if(t
his.priorityQueue.length&&(r=this.visitQueue(this.priorityQueue),this.priorityQueue=[],this.queue=e,r))break}for(c
onst t of e)t.popContext();return this.queue=null,r}visit(e,t){const
r=e[t];return!!r&&(Array.isArray(r)?this.visitMultiple(r,e,t):this.visitSingle(e,t))}}},function(e,t,r){
"use strict";var
n;Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
i=(0,(n=r(64))&&n.__esModule?n:{default:n}).default("React.Component");t.default=i},function(e,t,r){
"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return!!e&& /^[a-
z]/.test(e)}},function(e,t,r){
"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const t=[];for(let
r=0;r<e.children.length;r++){let
n=e.children[r];(0,i.isJSXText)(n)?(0,s.default)(n,t):((0,i.isJSXExpressionContainer)(n)&&(n=n.expression),(0,i.isJS
XEmptyExpression)(n)||t.push(n))}return t};var
n,i=r(2),s=(n=r(136))&&n.__esModule?n:{default:n},function(e,t,r){
"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const
r=e.value.split(/\\r\\n\\n\\r/);let i=0;for(let e=0;e<r.length;e++)r[e].match(/^[ \\t]/)&&(i=e);let s="";for(let
e=0;e<r.length;e++){const t=r[e],n=0===e,a=e===r.length-1,o=e===i;let l=t.replace(/\\t/g," ");n||(l=l.replace(/^[
]+/, "")),a||(l=l.replace(/[\ ]+$/,"")),l&&(o||(l+=" "),s+=l)}s&&t.push((0,n.stringLiteral)(s));var
n=r(4)},function(e,t,r){
"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,...t){const

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r=i.BUILDER_KEYS[e],a=t.length;if(a>r.length)throw new Error(` ${e}: Too many arguments passed. Received
${a} but can receive no more than ${r.length} `);const o={type:e};let l=0;r.forEach(r=>{const
s=i.NODE_FIELDS[e][r];let c;l<a&&(c=t[1]),void 0===c&&(c=(0,n.default)(s.default)),o[r]=c,l++});for(const e of
Object.keys(o))(0,s.default)(o,e,o[e]);return o};var n=a(r(138)),i=r(5),s=a(r(52));function a(e){return
e&&e.__esModule?:{default:e}},function(e,t,r){var n=r(139);e.exports=function(e){return
n(e,4)},function(e,t,r){var
n=r(140),i=r(170),s=r(70),a=r(172),o=r(182),l=r(185),c=r(186),p=r(187),u=r(189),d=r(190),h=r(191),f=r(48),m=r(1
96),y=r(197),T=r(203),b=r(43),g=r(73),S=r(205),x=r(22),E=r(207),P=r(42),v=r(45),A={};A["[object
Arguments]"]=A["[object Array]"]=A["[object ArrayBuffer]"]=A["[object DataView]"]=A["[object
Boolean]"]=A["[object Date]"]=A["[object Float32Array]"]=A["[object Float64Array]"]=A["[object
Int8Array]"]=A["[object Int16Array]"]=A["[object Int32Array]"]=A["[object Map]"]=A["[object
Number]"]=A["[object Object]"]=A["[object RegExp]"]=A["[object Set]"]=A["[object String]"]=A["[object
Symbol]"]=A["[object Uint8Array]"]=A["[object Uint8ClampedArray]"]=A["[object Uint16Array]"]=A["[object
Uint32Array]"]=!0,A["[object Error]"]=A["[object Function]"]=A["[object WeakMap]"]=!1,e.exports=function
e(t,r,w,O,I,C){var N,k=1&r,D=2&r,_=4&r;if(w&&(N=I?w(t,O,I,C):w(t)),void 0!==(N)return N;if(!x(t))return t;var
L=b(t);if(L){if(N=m(t,!k)return c(t,N)}else{var M=f(t),j="[object Function]"==M||"[object
GeneratorFunction]"==M;if(g(t))return l(t,k);if("[object Object]"==M||"[object
Arguments]"==M||j&&!I){if(N=D||j?{ }:T(t),k)return D?u(t,o(N,t)):p(t,a(N,t))}else{if(!A[M])return
I?t:{ };N=y(t,M,k)} }C||(C=new n);var F=C.get(t);if(F)return
F;C.set(t,N),E(t)?t.forEach((function(n){N.add(e(n,r,w,n,t,C))})):S(t)&&t.forEach((function(n,i){N.set(i,e(n,r,w,i,t,
C))}));var R=L?void 0:(_?D?h:d:D?v:P)(t);return
i(R||t,(function(n,i){R&&(n=t[i=n]),s(N,i,e(n,r,w,i,t,C))})),N}},function(e,t,r){var
n=r(26),i=r(146),s=r(147),a=r(148),o=r(149),l=r(150);function c(e){var t=this.__data__=new
n(e);this.size=t.size}c.prototype.clear=i,c.prototype.delete=s,c.prototype.get=a,c.prototype.has=o,c.prototype.set=l,
e.exports=c},function(e,t){e.exports=function(){this.__data__=[],this.size=0}},function(e,t,r){var
n=r(27),i=Array.prototype.splice;e.exports=function(e){var t=this.__data__,r=n(t,e);return!(r<0)&&(r==t.length-
1?t.pop():i.call(t,r,1),--this.size,!0)},function(e,t,r){var n=r(27);e.exports=function(e){var
t=this.__data__,r=n(t,e);return r<0?void 0:t[r][1]},function(e,t,r){var n=r(27);e.exports=function(e){return
n(this.__data__,e)>-1}},function(e,t,r){var n=r(27);e.exports=function(e,t){var r=this.__data__,i=n(r,e);return
i<0?(++this.size,r.push([e,t]):r[i][1]=t,this)},function(e,t,r){var n=r(26);e.exports=function(){this.__data__=new
n,this.size=0}},function(e,t){e.exports=function(e){var t=this.__data__,r=t.delete(e);return
this.size=t.size,r}},function(e,t){e.exports=function(e){return
this.__data__.get(e)},function(e,t){e.exports=function(e){return this.__data__.has(e)},function(e,t,r){var
n=r(26),i=r(40),s=r(157);e.exports=function(e,t){var r=this.__data__;if(r instanceof n){var
a=r.__data__;if(!i||a.length<199)return a.push([e,t]),this.size=++r.size,this;r=this.__data__=new s(a)}return
r.set(e,t),this.size=r.size,this}},function(e,t,r){var n=r(67),i=r(154),s=r(22),a=r(69),o=/^\[object
.+?Constructor\]\$/;l=Function.prototype,c=Object.prototype,p=l.toString,u=c.hasOwnProperty,d=RegExp("^+p.ca
ll(u).replace(/[\^\$.*+?(){}|]/g,"\\\$&").replace(/hasOwnProperty|(function).*?(?=\\\|\\|)|
.+?(?=\\\|\\|)/g,"\$1.*?")+"$");e.exports=function(e){return(!(s(e)||i(e))&&(n(e)?d:o).test(a(e))},function(e,t,r){var
n=r(41),i=Object.prototype,s=i.hasOwnProperty,a=i.toString,o=n?n.toStringTag:void 0;e.exports=function(e){var
t=s.call(e,o),r=e[o];try {e[o]=void 0;var n=!0} catch(e){var i=a.call(e);return n&&(t?e[o]=r:delete
e[o]),i}},function(e,t){var r=Object.prototype.toString;e.exports=function(e){return r.call(e)},function(e,t,r){var
n,i=r(155),s=(n=/[^\.]+$/).exec(i&&i.keys&&i.keys.IE_PROTO||"")?"Symbol(src)_1."+n:"";e.exports=function(e){r
eturn!!s&&s in e}},function(e,t,r){var n=r(7)["_core-
js_shared_"];e.exports=n},function(e,t){e.exports=function(e,t){return null===e?void 0:e[t]},function(e,t,r){var
n=r(158),i=r(165),s=r(167),a=r(168),o=r(169);function l(e){var t=
1,r=null===e?0:e.length;for(this.clear();++t<r;){var
n=e[t];this.set(n[0],n[1])}l.prototype.clear=n,l.prototype.delete=i,l.prototype.get=s,l.prototype.has=a,l.prototype.set

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=o,e.exports=1},function(e,t,r){var
n=r(159),i=r(26),s=r(40);e.exports=function(){this.size=0,this.__data__={hash:new n,map:new(s||i),string:new
n}},function(e,t,r){var n=r(160),i=r(161),s=r(162),a=r(163),o=r(164);function l(e){var t=-
1,r=null==e?0:e.length;for(this.clear();++t<r){var
n=e[t];this.set(n[0],n[1])}l.prototype.clear=n,l.prototype.delete=i,l.prototype.get=s,l.prototype.has=a,l.prototype.set
=o,e.exports=1},function(e,t,r){var
n=r(28);e.exports=function(){this.__data__=n?n(null):{ },this.size=0},function(e,t){e.exports=function(e){var
t=this.has(e)&&delete this.__data__[e];return this.size-=t?1:0,t}},function(e,t,r){var
n=r(28),i=Object.prototype.hasOwnProperty;e.exports=function(e){var t=this.__data__;if(n){var
r=t[e];return"__lodash_hash_undefined__"===r?void 0:r}return i.call(t,e)?t[e]:void 0}},function(e,t,r){var
n=r(28),i=Object.prototype.hasOwnProperty;e.exports=function(e){var t=this.__data__;return n?void
0!==t[e]?i.call(t,e)}},function(e,t,r){var n=r(28);e.exports=function(e,t){var r=this.__data__;return
this.size+=this.has(e)?0:1,r[e]=n&&void 0===t?"__lodash_hash_undefined__":t,this}},function(e,t,r){var
n=r(29);e.exports=function(e){var t=n(this,e).delete(e);return this.size-
=t?1:0,t}},function(e,t){e.exports=function(e){var t=typeof
e;return"string"===t||"number"===t||"symbol"===t||"boolean"===t?"__proto__"!==e:null===e}},function(e,t,r){var
n=r(29);e.exports=function(e){return n(this,e).get(e)},function(e,t,r){var n=r(29);e.exports=function(e){return
n(this,e).has(e)},function(e,t,r){var n=r(29);e.exports=function(e,t){var r=n(this,e),i=r.size;return
r.set(e,t),this.size+=r.size===i?0:1,this}},function(e,t){e.exports=function(e,t){for(var r=-
1,n=null==e?0:e.length;++r<n&&!1!==t(e[r],r,e));return e}},function(e,t,r){var n=r(11),i=function(){try{var
e=n(Object,"defineProperty");return e({ }, "", { }),e} catch(e){ }}();e.exports=i},function(e,t,r){var
n=r(30),i=r(42);e.exports=function(e,t){return e&&n(t,i(t),e)},function(e,t){e.exports=function(e,t){for(var r=-
1,n=Array(e);++r<e;n[r]=t(r);return n}},function(e,t,r){var
n=r(175),i=r(12),s=Object.prototype,a=s.hasOwnProperty,o=s.propertyIsEnumerable,l=n(function(){return
arguments})();n:function(e){return i(e)&&a.call(e,"callee")&&!o.call(e,"callee");e.exports=1},function(e,t,r){var
n=r(18),i=r(12);e.exports=function(e){return i(e)&&"object
Arguments"===n(e)},function(e,t){e.exports=function(){return!1}},function(e,t){var r=/^(?:0|[1-
9]\d*)$/;e.exports=function(e,t){var n=typeof
e;return!(t=null===t?9007199254740991:t)&&("number"===n||"symbol"! =n&&r.test(e))&&e>-
1&&e%1==0&&e<t}},function(e,t,r){var
n=r(179),i=r(32),s=r(33),a=s&&s.isTypedArray,o=a?i(a):n;e.exports=o},function(e,t,r){var
n=r(18),i=r(74),s=r(12),a={ };a["object Float32Array"] =a["object Float64Array"] =a["object
Int8Array"] =a["object Int16Array"] =a["object Int32Array"] =a["object Uint8Array"] =a["object
Uint8ClampedArray"] =a["object Uint16Array"] =a["object Uint32Array"] =!0,a["object
Arguments"] =a["object Array"] =a["object ArrayBuffer"] =a["object Boolean"] =a["object
DataView"] =a["object Date"] =a["object Error"] =a["object Function"] =a["object Map"] =a["object
Number"] =a["object Object"] =a["object RegExp"] =a["object Set"] =a["object String"] =a["object
WeakMap"] =!1,e.exports=function(e){return s(e)&&i(e.length)&&!a[n(e)]}},function(e,t,r){var
n=r(44),i=r(181),s=Object.prototype.hasOwnProperty;e.exports=function(e){if(!n(e))return i(e);var t=[];for(var r in
Object(e))s.call(e,r)&&"constructor"! =r&&t.push(r);return t}},function(e,t,r){var
n=r(75)(Object.keys,Object);e.exports=n},function(e,t,r){var n=r(30),i=r(45);e.exports=function(e,t){return
e&&n(t,i(t),e)},function(e,t,r){var
n=r(22),i=r(44),s=r(184),a=Object.prototype.hasOwnProperty;e.exports=function(e){if(!n(e))return s(e);var
t=i(e),r=[];for(var o in e)("constructor"! =o||t&&a.call(e,o))&&r.push(o);return
r}},function(e,t){e.exports=function(e){var t=[];if(null!=e)for(var r in Object(e))t.push(r);return
t}},function(e,t,r){(function(e){var n=r(7),i=t&&!t.nodeType&&t.s=i&&"object"===typeof
e&&e&&!e.nodeType&&e.a=s&&s.exports===i?n.Buffer:void 0,o=a?a.allocUnsafe:void
0;e.exports=function(e,t){if(t)return e.slice();var r=e.length,n=o?o(r):new e.constructor(r);return

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e.copy(n,n)}).call(this,r(31)(e)),function(e,t){e.exports=function(e,t){var r=-
1,n=e.length;for(t||(t=Array(n));++r<n;t[r]=e[r];return t)},function(e,t,r){var
n=r(30),i=r(46);e.exports=function(e,t){return n(e,i(e),t)},function(e,t){e.exports=function(e,t){for(var r=-
1,n=null==e?0:e.length,i=0,s=[];++r<n;){var a=e[r];t(a,r,e)&&(s[i++]=a)}return s}},function(e,t,r){var
n=r(30),i=r(78);e.exports=function(e,t){return n(e,i(e),t)},function(e,t,r){var
n=r(80),i=r(46),s=r(42);e.exports=function(e){return n(e,s,i)},function(e,t,r){var
n=r(80),i=r(78),s=r(45);e.exports=function(e){return n(e,s,i)},function(e,t,r){var
n=r(11)(r(7),"DataView");e.exports=n},function(e,t,r){var n=r(11)(r(7),"Promise");e.exports=n},function(e,t,r){var
n=r(11)(r(7),"Set");e.exports=n},function(e,t,r){var n=r(11)(r(7),"WeakMap");e.exports=n},function(e,t){var
r=Object.prototype.hasOwnProperty;e.exports=function(e){var t=e.length,n=new e.constructor(t);return
t&&"string"===typeof e[0]&&r.call(e,"index")&&(n.index=e.index,n.input=e.input),n}},function(e,t,r){var
n=r(49),i=r(199),s=r(200),a=r(201),o=r(202);e.exports=function(e,t,r){var l=e.constructor;switch(t){case"object
ArrayBuffer":return n(e);case"object Boolean":case"object Date":return new l(+e);case"object
DataView":return i(e,r);case"object Float32Array":case"object Float64Array":case"object
Int8Array":case"object Int16Array":case"object Int32Array":case"object Uint8Array":case"object
Uint8ClampedArray":case"object Uint16Array":case"object Uint32Array":return o(e,r);case"object
Map":return new l;case"object Number":case"object String":return new l(e);case"object RegExp":return
s(e);case"object Set":return new l;case"object Symbol":return a(e)}}},function(e,t,r){var
n=r(7).Uint8Array;e.exports=n},function(e,t,r){var n=r(49);e.exports=function(e,t){var
r=t?n(e.buffer):e.buffer;return new e.constructor(r,e.byteOffset,e.byteLength)}},function(e,t){var
r=/\w*$/;e.exports=function(e){var t=new e.constructor(e.source,r.exec(e));return
t.lastIndex=e.lastIndex,t}},function(e,t,r){var n=r(41),i=n?n.prototype:void 0,s=i?i.valueOf:void
0;e.exports=function(e){return s?Object(s.call(e)):{}}},function(e,t,r){var n=r(49);e.exports=function(e,t){var
r=t?n(e.buffer):e.buffer;return new e.constructor(r,e.byteOffset,e.length)}},function(e,t,r){var
n=r(204),i=r(47),s=r(44);e.exports=function(e){return"function"!==typeof
e.constructor||s(e)?{n(i(e))}:n(i(e))}},function(e,t,r){var n=r(22),i=Object.create,s=function(){function e(){return
function(t){if(!n(t))return{};if(i)return i(t);e.prototype=t;var r=new e;return e.prototype=void
0,r}}();e.exports=s},function(e,t,r){var
n=r(206),i=r(32),s=r(33),a=s&&s.isMap,o=a?i(a):n;e.exports=o},function(e,t,r){var
n=r(48),i=r(12);e.exports=function(e){return i(e)&&"[object Map]"===n(e)}},function(e,t,r){var
n=r(208),i=r(32),s=r(33),a=s&&s.isSet,o=a?i(a):n;e.exports=o},function(e,t,r){var
n=r(48),i=r(12);e.exports=function(e){return i(e)&&"[object Set]"===n(e)}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.isIdentifierStart=p,t.isIdentifierChar=u,t.isIdentifierNam
e=function(e){let t=!0;for(let r=0;r<e.length;r++){let
n=e.charCodeAtAt(r);if(55296==(64512&n)&&r+1<e.length){const
t=e.charCodeAtAt(++r);56320==(64512&t)&&(n=65536+((1023&n)<<10)+(1023&t))}if(t){if(t=!1,!p(n))return!1}els
e if(!u(n))return!1}return!t};let n="µÀ-Öø-öø-^-----
-----",i="-----";const s=new RegExp("[+n+]"),a=new
RegExp("[+n+i+]");n=i=null;const
o=[0,11,2,25,2,18,2,1,2,14,3,13,35,122,70,52,268,28,4,48,48,31,14,29,6,37,11,29,3,35,5,7,2,4,43,157,19,35,5,35,5,3
9,9,51,157,310,10,21,11,7,153,5,3,0,2,43,2,1,4,0,3,22,11,22,10,30,66,18,2,1,11,21,11,25,71,55,7,1,65,0,16,3,2,2,2,2
8,43,28,4,28,36,7,2,27,28,53,11,21,11,18,14,17,111,72,56,50,14,50,14,35,349,41,7,1,79,28,11,0,9,21,107,20,28,22,1
3,52,76,44,33,24,27,35,30,0,3,0,9,34,4,0,13,47,15,3,22,0,2,0,36,17,2,24,85,6,2,0,2,3,2,14,2,9,8,46,39,7,3,1,3,21,2,6,
2,1,2,4,4,0,19,0,13,4,159,52,19,3,21,2,31,47,21,1,2,0,185,46,42,3,37,47,21,0,60,42,14,0,72,26,230,43,117,63,32,7,3,
0,3,7,2,1,2,23,16,0,2,0,95,7,3,38,17,0,2,0,29,0,11,39,8,0,22,0,12,45,20,0,35,56,264,8,2,36,18,0,50,29,113,6,2,1,2,37,
22,0,26,5,2,1,2,31,15,0,328,18,190,0,80,921,103,110,18,195,2749,1070,4050,582,8634,568,8,30,114,29,19,47,17,3,

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32,20,6,18,689,63,129,74,6,0,67,12,65,1,2,0,29,6135,9,1237,43,8,8952,286,50,2,18,3,9,395,2309,106,6,12,4,8,8,9,5
991,84,2,70,2,1,3,0,3,1,3,3,2,11,2,0,2,6,2,64,2,3,3,7,2,6,2,27,2,3,2,4,2,0,4,6,2,339,3,24,2,24,2,30,2,24,2,30,2,24,2,30
,2,24,2,30,2,24,2,7,2357,44,11,6,17,0,370,43,1301,196,60,67,8,0,1205,3,2,26,2,1,2,0,3,0,2,9,2,3,2,0,2,0,7,0,5,0,2,0,2
,0,2,2,2,1,2,0,3,0,2,0,2,0,2,0,2,1,2,0,3,3,2,6,2,3,2,3,2,0,2,9,2,16,6,2,2,4,2,16,4421,42717,35,4148,12,221,3,5761,
15,7472,3104,541,1507,4938],l=[509,0,227,0,150,4,294,9,1368,2,2,1,6,3,41,2,5,0,166,1,574,3,9,9,370,1,154,10,176,
2,54,14,32,9,16,3,46,10,54,9,7,2,37,13,2,9,6,1,45,0,13,2,49,13,9,3,2,11,83,11,7,0,161,11,6,9,7,3,56,1,2,6,3,1,3,2,10,
0,11,1,3,6,4,4,193,17,10,9,5,0,82,19,13,9,214,6,3,8,28,1,83,16,16,9,82,12,9,9,84,14,5,9,243,14,166,9,71,5,2,1,3,3,2,
0,2,1,13,9,120,6,3,6,4,0,29,9,41,6,2,3,9,0,10,10,47,15,406,7,2,7,17,9,57,21,2,13,123,5,4,0,2,1,2,6,2,0,9,9,49,4,2,1,2,
4,9,9,330,3,19306,9,135,4,60,6,26,9,1014,0,2,54,8,3,82,0,12,1,19628,1,5319,4,4,5,9,7,3,6,31,3,149,2,1418,49,513,5
4,5,49,9,0,15,0,23,4,2,14,1361,6,2,16,3,6,2,1,2,4,262,6,10,9,419,13,1495,6,110,6,6,9,4759,9,787719,239];function
c(e,t){let r=65536;for(let
n=0,i=t.length;n<i;n+=2){if(r+=t[n],r>e)return!1;if(r+=t[n+1],r>=e)return!0}return!1}function p(e){return
e<65?36===e:e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&s.test(String.fromCharCode(e)):c(e,o)))}functi
on u(e){return
e<48?36===e:e<58!|(e<65)&&(e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&a.test(String.fromCharCode(
e)):c(e,o)||c(e,l))))},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.isReservedWord=l,t.isStrictReservedWord=c,t.isStrictBi
ndOnlyReservedWord=p,t.isStrictBindReservedWord=function(e,t){return
c(e,t)||p(e)},t.isKeyword=function(e){return s.has(e)};const
n=["implements","interface","let","package","private","protected","public","static","yield"],i=["eval","arguments"],s
=new
Set(["break","case","catch","continue","debugger","default","do","else","finally","for","function","if","return","swit
ch","throw","try","var","const","while","with","new","this","super","class","extends","export","import","null","true"
,"false","in","instanceof","typeof","void","delete"]),a=new Set(n),o=new Set(i);function l(e,t){return
t&&"await"===e||"enum"===e}function c(e,t){return l(e,t)||a.has(e)}function p(e){return
o.has(e)},function(e,t,r){ "use strict";var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(9));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}const
s=(e,t="TypeParameterDeclaration")=>{(0,n.default)(e,{builder:["id","typeParameters","extends","body"],visitor:["i
d","typeParameters","extends","mixins","implements","body"],aliases:["Flow","FlowDeclaration","Statement","Dec
laration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)(t),extends:(0,n.valid
ateOptional)((0,n.arrayOfType)("InterfaceExtends")),mixins:(0,n.validateOptional)((0,n.arrayOfType)("InterfaceExt
ends")),implements:(0,n.validateOptional)((0,n.arrayOfType)("ClassImplements")),body:(0,n.validateType)("Object
TypeAnnotation")}});(0,n.default)("AnyTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),
(0,n.default)("ArrayTypeAnnotation",{visitor:["elementType"],aliases:["Flow","FlowType"],fields:{elementType:(0
,n.validateType)("FlowType")}}),(0,n.default)("BooleanTypeAnnotation",{aliases:["Flow","FlowType","FlowBase
Annotation"]}),
(0,n.default)("BooleanLiteralTypeAnnotation",{builder:["value"],aliases:["Flow","FlowType"],field
s:{value:(0,n.validate)((0,n.assertValueType)("boolean"))}}),(0,n.default)("NullLiteralTypeAnnotation",{aliases:["F
low","FlowType","FlowBaseAnnotation"]}),
(0,n.default)("ClassImplements",{visitor:["id","typeParameters"],aliase
s:["Flow"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterIns
tantiation")}}),s("DeclareClass"),(0,n.default)("DeclareFunction",{visitor:["id"],aliases:["Flow","FlowDeclaration",
"Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),predicate:(0,n.validateOptionalType)("Declare
dPredicate")}}),s("DeclareInterface"),(0,n.default)("DeclareModule",{builder:["id","body","kind"],visitor:["id","bod
y"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier","String

Literal"]],body:(0,n.validateType)("BlockStatement"),kind:(0,n.validateOptional)((0,n.assertOneOf)("CommonJS","ES")))),(0,n.default)("DeclareModuleExports",{visitor:["typeAnnotation"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{typeAnnotation:(0,n.validateType)("TypeAnnotation")}}),(0,n.default)("DeclareTypeAlias",{visitor:["id","typeParameters","right"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),right:(0,n.validateType)("FlowType")}}),(0,n.default)("DeclareOpaqueType",{visitor:["id","typeParameters","supertype"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),supertype:(0,n.validateOptionalType)("FlowType")}}),(0,n.default)("DeclareVariable",{visitor:["id"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier")}}),(0,n.default)("DeclareExportDeclaration",{visitor:["declaration","specifier","source"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{declaration:(0,n.validateOptionalType)("Flow"),specifiers:(0,n.validateOptional)((0,n.arrayOfType)("ExportSpecifier","ExportNamespaceSpecifier"))},source:(0,n.validateOptionalType)("StringLiteral"),default:(0,n.validateOptional)((0,n.assertValueType)("boolean"))}}),(0,n.default)("DeclareExportAllDeclaration",{visitor:["source"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{source:(0,n.validateType)("StringLiteral"),exportKind:(0,n.validateOptional)((0,n.assertOneOf)("type","value"))}}),(0,n.default)("DeclaredPredicate",{visitor:["value"],aliases:["Flow","FlowPredicate"],fields:{value:(0,n.validateType)("Flow")}}),(0,n.default)("ExistsTypeAnnotation",{aliases:["Flow","FlowType"]}),0,n.default)("FunctionTypeAnnotation",{visitor:["typeParameters","params","rest","returnType"],aliases:["Flow","FlowType"],fields:{typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),params:(0,n.validate)((0,n.arrayOfType)("FunctionTypeParam")),rest:(0,n.validateOptionalType)("FunctionTypeParam"),returnType:(0,n.validateType)("FlowType")}}),(0,n.default)("FunctionTypeParam",{visitor:["name","typeAnnotation"],aliases:["Flow"],fields:{name:(0,n.validateOptionalType)("Identifier"),typeAnnotation:(0,n.validateType)("FlowType"),optional:(0,n.validateOptional)((0,n.assertValueType)("boolean"))}}),(0,n.default)("GenericTypeAnnotation",{visitor:["id","typeParameters"],aliases:["Flow","FlowType"],fields:{id:(0,n.validateType)("Identifier","QualifiedTypeIdentifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterInstantiation")}}),(0,n.default)("InferredPredicate",{aliases:["Flow","FlowPredicate"]}),0,n.default)("InterfaceExtends",{visitor:["id","typeParameters"],aliases:["Flow"],fields:{id:(0,n.validateType)("Identifier","QualifiedTypeIdentifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterInstantiation")}},s("InterfaceDeclaration"),0,n.default)("InterfaceTypeAnnotation",{visitor:["extends","body"],aliases:["Flow","FlowType"],fields:{extends:(0,n.validateOptional)((0,n.arrayOfType)("InterfaceExtends")),body:(0,n.validateType)("ObjectTypeAnnotation")}}),(0,n.default)("IntersectionTypeAnnotation",{visitor:["types"],aliases:["Flow","FlowType"],fields:{types:(0,n.validate)((0,n.arrayOfType)("FlowType"))}}),(0,n.default)("MixedTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("EmptyTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("NullableTypeAnnotation",{visitor:["typeAnnotation"],aliases:["Flow","FlowType"],fields:{typeAnnotation:(0,n.validateType)("FlowType")}}),(0,n.default)("NumberLiteralTypeAnnotation",{builder:["value"],aliases:["Flow","FlowType"],fields:{value:(0,n.validate)((0,n.assertValueType)("number"))}}),(0,n.default)("NumberTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("ObjectTypeAnnotation",{visitor:["properties","indexers","callProperties","internalSlots"],aliases:["Flow","FlowType"],builder:["properties","indexers","callProperties","internalSlots","exact"],fields:{properties:(0,n.validate)((0,n.arrayOfType)("ObjectTypeProperty","ObjectTypeSpreadProperty")),indexers:(0,n.validateOptional)((0,n.arrayOfType)("ObjectTypeIndexer")),callProperties:(0,n.validateOptional)((0,n.arrayOfType)("ObjectTypeCallProperty")),internalSlots:(0,n.validateOptional)((0,n.arrayOfType)("ObjectTypeInternalSlot")),exact:{validate:(0,n.assertValueType)("boolean"),default:!1},inexact:(0,n.validateOptional)((0,n.assertValueType)("boolean"))}}),(0,n.default)("ObjectTypeInternalSlot",{visitor:["id","value","optional","static","method"],aliases:["Flow","UserWhitespacable"],fields:{id:(0,n.validateType)("Identifier"),value:(0,n.validateType)("FlowType"),optional:(0,n.validate)((0,n.assertValueType)("boolean")),static:(0,n.validate)((0,n.assertValueType)("boolean")),method:(0,n.validate)((0,n.assertValueType)("boolean"))}}),(0,n.default)("ObjectTypeCallProperty",{visitor:["value"],aliases:["Flow","UserWhitespacable"],fields:{value:(0,n.validateType)("FlowType"),static:(0,n.validate)((0,n.assertValueType)("boolean"))}}),(0,n.default)("ObjectTypeIndexer",{visitor:["id","key","value","variance"],aliases:["Flow","UserWhitespacable"],

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fields: { id: (0, n.validateOptionalType)("Identifier"), key: (0, n.validateType)("FlowType"), value: (0, n.validateType)("FlowType"), static: (0, n.validate)((0, n.assertValueType)("boolean")), variance: (0, n.validateOptionalType)("Variance") } }, (0, n.default)("ObjectTypeProperty", { visitor: ["key", "value", "variance"], aliases: ["Flow", "UserWhitespacable"], fields: { key: (0, n.validateType)("Identifier", "StringLiteral"), value: (0, n.validateType)("FlowType"), kind: (0, n.validate)((0, n.assertOneOf)("init", "get", "set")), static: (0, n.validate)((0, n.assertValueType)("boolean")), proto: (0, n.validate)((0, n.assertValueType)("boolean")), optional: (0, n.validate)((0, n.assertValueType)("boolean")), variance: (0, n.validateOptionalType)("Variance") } } }, (0, n.default)("ObjectTypeSpreadProperty", { visitor: ["argument"], aliases: ["Flow", "UserWhitespacable"], fields: { argument: (0, n.validateType)("FlowType") } } }, (0, n.default)("OpaqueType", { visitor: ["id", "typeParameters", "supertype", "impltype"], aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"], fields: { id: (0, n.validateType)("Identifier"), typeParameters: (0, n.validateOptionalType)("TypeParameterDeclaration"), supertype: (0, n.validateOptionalType)("FlowType"), impltype: (0, n.validateType)("FlowType") } } }, (0, n.default)("QualifiedTypeIdentifier", { visitor: ["id", "qualification"], aliases: ["Flow"], fields: { id: (0, n.validateType)("Identifier"), qualification: (0, n.validateType)("Identifier", "QualifiedTypeIdentifier") } } }, (0, n.default)("StringLiteralTypeAnnotation", { builder: ["value"], aliases: ["Flow", "FlowType"], fields: { value: (0, n.validate)((0, n.assertValueType)("string")) } } }, (0, n.default)("StringTypeAnnotation", { aliases: ["Flow", "FlowType", "FlowBaseAnnotation"] } }, (0, n.default)("SymbolTypeAnnotation", { aliases: ["Flow", "FlowType", "FlowBaseAnnotation"] } }, (0, n.default)("ThisTypeAnnotation", { aliases: ["Flow", "FlowType", "FlowBaseAnnotation"] } }, (0, n.default)("TupleTypeAnnotation", { visitor: ["types"], aliases: ["Flow", "FlowType"], fields: { types: (0, n.validate)((0, n.arrayOfType)("FlowType")) } } }, (0, n.default)("TypeofTypeAnnotation", { visitor: ["argument"], aliases: ["Flow", "FlowType"], fields: { argument: (0, n.validateType)("FlowType") } } }, (0, n.default)("TypeAlias", { visitor: ["id", "typeParameters", "right"], aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"], fields: { id: (0, n.validateType)("Identifier"), typeParameters: (0, n.validateOptionalType)("TypeParameterDeclaration"), right: (0, n.validateType)("FlowType") } } }, (0, n.default)("TypeAnnotation", { aliases: ["Flow"], visitor: ["typeAnnotation"], fields: { typeAnnotation: (0, n.validateType)("FlowType") } } }, (0, n.default)("TypeCastExpression", { visitor: ["expression", "typeAnnotation"], aliases: ["Flow", "ExpressionWrapper", "Expression"], fields: { expression: (0, n.validateType)("Expression"), typeAnnotation: (0, n.validateType)("TypeAnnotation") } } }, (0, n.default)("TypeParameter", { aliases: ["Flow"], visitor: ["bound", "default", "variance"], fields: { name: (0, n.validate)((0, n.assertValueType)("string")), bound: (0, n.validateOptionalType)("TypeAnnotation"), default: (0, n.validateOptionalType)("FlowType"), variance: (0, n.validateOptionalType)("Variance") } } }, (0, n.default)("TypeParameterDeclaration", { aliases: ["Flow"], visitor: ["params"], fields: { params: (0, n.validate)((0, n.arrayOfType)("TypeParameter")) } } }, (0, n.default)("TypeParameterInstantiation", { aliases: ["Flow"], visitor: ["params"], fields: { params: (0, n.validate)((0, n.arrayOfType)("FlowType")) } } }, (0, n.default)("UnionTypeAnnotation", { visitor: ["types"], aliases: ["Flow", "FlowType"], fields: { types: (0, n.validate)((0, n.arrayOfType)("FlowType")) } } }, (0, n.default)("Variance", { aliases: ["Flow"], builder: ["kind"], fields: { kind: (0, n.validate)((0, n.assertOneOf)("minus", "plus")) } } }, (0, n.default)("VoidTypeAnnotation", { aliases: ["Flow", "FlowType", "FlowBaseAnnotation"] } }, (0, n.default)("EnumDeclaration", { aliases: ["Statement", "Declaration"], visitor: ["id", "body"], fields: { id: (0, n.validateType)("Identifier"), body: (0, n.validateType)(["EnumBooleanBody", "EnumNumberBody", "EnumStringBody", "EnumSymbolBody"]) } } }, (0, n.default)("EnumBooleanBody", { aliases: ["EnumBody"], visitor: ["members"], fields: { explicit: (0, n.validate)((0, n.assertValueType)("boolean")), members: (0, n.validateArrayOfType)("EnumBooleanMember") } } }, (0, n.default)("EnumNumberBody", { aliases: ["EnumBody"], visitor: ["members"], fields: { explicit: (0, n.validate)((0, n.assertValueType)("boolean")), members: (0, n.validateArrayOfType)("EnumNumberMember") } } }, (0, n.default)("EnumStringBody", { aliases: ["EnumBody"], visitor: ["members"], fields: { explicit: (0, n.validate)((0, n.assertValueType)("boolean")), members: (0, n.validateArrayOfType)(["EnumStringMember", "EnumDefaultedMember"]) } } }, (0, n.default)("EnumSymbolBody", { aliases: ["EnumBody"], visitor: ["members"], fields: { members: (0, n.validateArrayOfType)("EnumDefaultedMember") } } }, (0, n.default)("EnumBooleanMember", { aliases: ["EnumMember"], visitor: ["id"], fields: { id: (0, n.validateType)("Identifier"), init: (0, n.validateType)("BooleanLiteral") } } }, (0, n.default)("EnumNumberMember", { aliases: ["EnumMember"], visitor: ["id", "init"], fields: { id: (0, n.validateType)("Identifier"), init: (0, n.validateType)("NumericLiteral") } } }, (0, n.default)("EnumStringMember", { aliases: ["EnumMember"], visitor: ["id", "init"], fields: { id: (0, n.validateType)("Identifier"), init: (0, n.validateType)("StringLiteral") } } }, (0, n.default)("EnumDefaultedMember", { aliases: ["EnumMember"], visitor: ["id"], fields: { id: (0, n.validateType)("Identifier") } } } }, function(e, t, r) { "use strict"; var

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n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(9));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return
e,e}(0,n.default)("JSXAttribute",{visitor:["name","value"],aliases:["JSX","Immutable"],fields:{name:{validate:(0,
n.assertNodeType)("JSXIdentifier","JSXNamespacedName"),value:{optional:!0,validate:(0,n.assertNodeType)("JS
XElement","JSXFragment","StringLiteral","JSXExpressionContainer")}}}),n.default)("JSXClosingElement",{vis
itor:["name"],aliases:["JSX","Immutable"],fields:{name:{validate:(0,n.assertNodeType)("JSXIdentifier","JSXMemb
erExpression","JSXNamespacedName")}}}),n.default)("JSXElement",{builder:["openingElement","closingElem
ent","children","selfClosing"],visitor:["openingElement","children","closingElement"],aliases:["JSX","Immutable","
Expression"],fields:{openingElement:{validate:(0,n.assertNodeType)("JSXOpeningElement")},closingElement:{opt
ional:!0,validate:(0,n.assertNodeType)("JSXClosingElement")},children:{validate:(0,n.chain)((0,n.assertValueType)
("array"),(0,n.assertEach)((0,n.assertNodeType)("JSXText","JSXExpressionContainer","JSXSpreadChild","JSXEle
ment","JSXFragment"))},selfClosing:{validate:(0,n.assertValueType)("boolean"),optional:!0}}}),n.default)("JS
XEmptyExpression",{aliases:["JSX"]}),n.default)("JSXExpressionContainer",{visitor:["expression"],aliases:["JS
X","Immutable"],fields:{expression:{validate:(0,n.assertNodeType)("Expression","JSXEmptyExpression")}}}),n
.default)("JSXSpreadChild",{visitor:["expression"],aliases:["JSX","Immutable"],fields:{expression:{validate:(0,n.as
sertNodeType)("Expression")}}}),n.default)("JSXIdentifier",{builder:["name"],aliases:["JSX"],fields:{name:{val
idate:(0,n.assertValueType)("string")}}}),n.default)("JSXMemberExpression",{visitor:["object","property"],alias
es:["JSX"],fields:{object:{validate:(0,n.assertNodeType)("JSXMemberExpression","JSXIdentifier")},property:{vali
date:(0,n.assertNodeType)("JSXIdentifier")}}}),n.default)("JSXNamespacedName",{visitor:["namespace","name
"],aliases:["JSX"],fields:{namespace:{validate:(0,n.assertNodeType)("JSXIdentifier")},name:{validate:(0,n.assertN
odeType)("JSXIdentifier")}}}),n.default)("JSXOpeningElement",{builder:["name","attributes","selfClosing"],vis
itor:["name","attributes"],aliases:["JSX","Immutable"],fields:{name:{validate:(0,n.assertNodeType)("JSXIdentifier
","JSXMemberExpression","JSXNamespacedName"),selfClosing:{default:!1},attributes:{validate:(0,n.chain)((0,n.a
ssertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("JSXAttribute","JSXSpreadAttribute"))},typePara
meters:{validate:(0,n.assertNodeType)("TypeParameterInstantiation","TSTypeParameterInstantiation"),optional:!0}
}}}),n.default)("JSXSpreadAttribute",{visitor:["argument"],aliases:["JSX"],fields:{argument:{validate:(0,n.assert
NodeType)("Expression")}}}),n.default)("JSXText",{aliases:["JSX","Immutable"],builder:["value"],fields:{value
:{validate:(0,n.assertValueType)("string")}}}),n.default)("JSXFragment",{builder:["openingFragment","closingF
ragment","children"],visitor:["openingFragment","children","closingFragment"],aliases:["JSX","Immutable","Expre
ssion"],fields:{openingFragment:{validate:(0,n.assertNodeType)("JSXOpeningFragment")},closingFragment:{valid
ate:(0,n.assertNodeType)("JSXClosingFragment")},children:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0
,n.assertEach)((0,n.assertNodeType)("JSXText","JSXExpressionContainer","JSXSpreadChild","JSXElement","JSX
Fragment"))}}}),n.default)("JSXOpeningFragment",{aliases:["JSX","Immutable"]}),n.default)("JSXClosingF
ragment",{aliases:["JSX","Immutable"]}),function(e,t,r){"use strict";var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(9)),i=r(83);function s(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return s=function(){return
e,e}(0,n.default)("Noop",{visitor:[]}),n.default)("Placeholder",{visitor:[],builder:["expectedNode","name"],field
s:{name:{validate:(0,n.assertNodeType)("Identifier")},expectedNode:{validate:(0,n.assertOneOf(...i.PLACEHOLD

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ERS}})),(0,n.default)("V8IntrinsicIdentifier",{builder:["name"],fields:{name:{validate:(0,n.assertValueType)("string")}}}),function(e,t,r){function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in e)if(Object.prototype.hasOwnProperty.call(e,i)){var a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}r.default=e,t&&t.set(e,r);return r}(r(9)),i=r(50);function s(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return s=function(){return e,e}}(0,n.default)("ArgumentPlaceholder",{}),(0,n.default)("BindExpression",{visitor:["object","callee"],aliases:["Expression"],fields:process.env.BABEL_TYPES_8_BREAKING?{object:{validate:(0,n.assertNodeType)("Expression")},callee:{validate:(0,n.assertNodeType)("Expression")}}:{object:{validate:Object.assign(=>{}},{oneOfNodeTypes:["Expression"]}}),callee:{validate:Object.assign(=>{}},{oneOfNodeTypes:["Expression"]}})}),0,n.default)("ClassProperty",{visitor:["key","value","typeAnnotation","decorators"],builder:["key","value","typeAnnotation","decorators","computed","static"],aliases:["Property"],fields:Object.assign({,i.classMethodOrPropertyCommon,{value:{validate:(0,n.assertNodeType)("Expression"),optional:!0},definite:{validate:(0,n.assertValueType)("boolean"),optional:!0},typeAnnotation:{validate:(0,n.assertNodeType)("TypeAnnotation","TSTypeAnnotation","Noop"),optional:!0},decorators:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("Decorator"))),optional:!0},readonly:{validate:(0,n.assertValueType)("boolean"),optional:!0},declare:{validate:(0,n.assertValueType)("boolean"),optional:!0}})}),0,n.default)("PipelineTopicExpression",{builder:["expression"],visitor:["expression"],fields:{expression:{validate:(0,n.assertNodeType)("Expression")}}}),0,n.default)("PipelineBareFunction",{builder:["callee"],visitor:["callee"],fields:{callee:{validate:(0,n.assertNodeType)("Expression")}}}),0,n.default)("PipelinePrimaryTopicReference",{aliases:["Expression"]}),0,n.default)("ClassPrivateProperty",{visitor:["key","value","decorators"],builder:["key","value","decorators","static"],aliases:["Property","Private"],fields:{key:{validate:(0,n.assertNodeType)("PrivateName")},value:{validate:(0,n.assertNodeType)("Expression"),optional:!0},decorators:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("Decorator"))),optional:!0}}}),0,n.default)("ClassPrivateMethod",{builder:["kind","key","params","body","static"],visitor:["key","params","body","decorators","returnType","typeParameters"],aliases:["Function","Scopable","BlockParent","FunctionParent","Method","Private"],fields:Object.assign({,i.classMethodOrDeclareMethodCommon,i.functionTypeAnnotationCommon,{key:{validate:(0,n.assertNodeType)("PrivateName")},body:{validate:(0,n.assertNodeType)("BlockStatement")}})}),0,n.default)("ImportAttribute",{visitor:["key","value"],fields:{key:{validate:(0,n.assertNodeType)("Identifier","StringLiteral")},value:{validate:(0,n.assertNodeType)("StringLiteral")}}}),0,n.default)("Decorator",{visitor:["expression"],fields:{expression:{validate:(0,n.assertNodeType)("Expression")}}}),0,n.default)("DoExpression",{visitor:["body"],aliases:["Expression"],fields:{body:{validate:(0,n.assertNodeType)("BlockStatement")}}}),0,n.default)("ExportDefaultSpecifier",{visitor:["exported"],aliases:["ModuleSpecifier"],fields:{exported:{validate:(0,n.assertNodeType)("Identifier")}}}),0,n.default)("PrivateName",{visitor:["id"],aliases:["Private"],fields:{id:{validate:(0,n.assertNodeType)("Identifier")}}}),0,n.default)("RecordExpression",{visitor:["properties"],aliases:["Expression"],fields:{properties:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("ObjectProperty","SpreadElement"))}})}),0,n.default)("TupleExpression",{fields:{elements:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("Expression","SpreadElement"))},default:[]},visitor:["elements"],aliases:["Expression"]}),0,n.default)("DecimalLiteral",{builder:["value"],fields:{value:{validate:(0,n.assertValueType)("string")}},aliases:["Expression","Pureish","Literal","Immutable"]}),0,n.default)("StaticBlock",{visitor:["body"],fields:{body:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("Statement"))}},aliases:["Scopable","BlockParent"]}},function(e,t,r){function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in e)if(Object.prototype.hasOwnProperty.call(e,i)){var a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}r.default=e,t&&t.set(e,r);return r}(r(9)),i=r(50);function s(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return s=function(){return e,e}}

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&&t.set(e,r);return r}(r(9)),i=r(50);function s(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return s=function(){return e},e}const
a=(0,n.assertValueType)("boolean"),o={returnType:{validate:(0,n.assertNodeType)("TSTypeAnnotation","Noop"),
optional:!0},typeParameters:{validate:(0,n.assertNodeType)("TSTypeParameterDeclaration","Noop"),optional:!0}};
(0,n.default)("TSParameterProperty",{aliases:["LVal"],visitor:["parameter"],fields:{accessibility:{validate:(0,n.asser
tOneOf)("public","private","protected"),optional:!0},readonly:{validate:(0,n.assertValueType)("boolean"),optional:!
0},parameter:{validate:(0,n.assertNodeType)("Identifier","AssignmentPattern")}}}),
(0,n.default)("TSDeclareFunction",{aliases:["Statement","Declaration"],visitor:["id","typeParameters","params","returnType"],fields:Object.assign
({,i.functionDeclarationCommon,o})),
(0,n.default)("TSDeclareMethod",{visitor:["decorators","key","typeParameters","params","returnType"],fields:Object.assign({,i.classMethodOrDeclareMethodCommon,o})),
(0,n.default)("TSQualifiedName",{aliases:["TSEntityName"],visitor:["left","right"],fields:{left:(0,n.validateType)("TSEntityName"),
right:(0,n.validateType)("Identifier")}});const
l={typeParameters:(0,n.validateOptionalType)("TSTypeParameterDeclaration"),parameters:(0,n.validateArrayOfType)
(["Identifier","RestElement"]),typeAnnotation:(0,n.validateOptionalType)("TSTypeAnnotation")},c={aliases:["T
STypeElement"],visitor:["typeParameters","parameters","typeAnnotation"],fields:l};
(0,n.default)("TSCallSignatureDeclaration",c),
(0,n.default)("TSConstructSignatureDeclaration",c);const
p={key:(0,n.validateType)("Expression"),computed:(0,n.validate)(a),optional:(0,n.validateOptional)(a)};
(0,n.default)("TSPropertySignature",{aliases:["TSTypeElement"],visitor:["key","typeAnnotation","initializer"],fields:Object.assign({,p,{readonly:(0,n.validateOptional)(a),typeAnnotation:(0,n.validateOptionalType)("TSTypeAnnotation"),initia
lizer:(0,n.validateOptionalType)("Expression")}}}),
(0,n.default)("TSMethodSignature",{aliases:["TSTypeElement"],visitor:["key","typeParameters","parameters","typeAnnotation"],fields:Object.assign({,l,p})),
(0,n.default)("TSIndexSignature",{aliases:["TSTypeElement"],visitor:["parameters","typeAnnotation"],fields:{readonly:(0,n.validateOpti
onal)(a),parameters:(0,n.validateArrayOfType)("Identifier"),typeAnnotation:(0,n.validateOptionalType)("TSTypeA
nnotation")}});const
u=["TSAnyKeyword","TSBooleanKeyword","TSBigIntKeyword","TSIntrinsicKeyword","TSNeverKeyword","TS
NullKeyword","TSNumberKeyword","TSObjectKeyword","TSStringKeyword","TSSymbolKeyword","TSUndefine
dKeyword","TSUnknownKeyword","TSVoidKeyword"];for(const e of
u)(0,n.default)(e,{aliases:["TSType","TSBaseType"],visitor:[],fields:{}});
(0,n.default)("TSThisType",{aliases:["TS
Type","TSBaseType"],visitor:[],fields:{}});const
d={aliases:["TSType"],visitor:["typeParameters","parameters","typeAnnotation"],fields:l};
(0,n.default)("TSFunctionType",d),
(0,n.default)("TSConstructorType",d),
(0,n.default)("TSTypeReference",{aliases:["TSType"],visitor:["type
Name","typeParameters"],fields:{typeName:(0,n.validateType)("TSEntityName"),typeParameters:(0,n.validateOpti
onalType)("TSTypeParameterInstantiation")}}),
(0,n.default)("TSTypePredicate",{aliases:["TSType"],visitor:["para
meterName","typeAnnotation"],builder:["parameterName","typeAnnotation","asserts"],fields:{parameterName:(0,n.
validateType)(["Identifier","TSThisType"]),typeAnnotation:(0,n.validateOptionalType)("TSTypeAnnotation"),asser
ts:(0,n.validateOptional)(a)}},
(0,n.default)("TSTypeQuery",{aliases:["TSType"],visitor:["exprName"],fields:{expr
Name:(0,n.validateType)(["TSEntityName","TSImportType"])}},
(0,n.default)("TSTypeLiteral",{aliases:["TSType"
"],visitor:["members"],fields:{members:(0,n.validateArrayOfType)("TSTypeElement")}}),
(0,n.default)("TSArrayType",{aliases:["TSType"],visitor:["elementType"],fields:{elementType:(0,n.validateType)("TSType")}}),
(0,n.default)("TSTupleType",{aliases:["TSType"],visitor:["elementTypes"],fields:{elementTypes:(0,n.validateArrayOfType)(["
TSType","TSNamedTupleMember"])}},
(0,n.default)("TSOptionalType",{aliases:["TSType"],visitor:["typeAnnotat
ion"],fields:{typeAnnotation:(0,n.validateType)("TSType")}}),
(0,n.default)("TSRestType",{aliases:["TSType"],visi
tor:["typeAnnotation"],fields:{typeAnnotation:(0,n.validateType)("TSType")}}),
(0,n.default)("TSNamedTupleMem
ber",{visitor:["label","elementType"],builder:["label","elementType","optional"],fields:{label:(0,n.validateType)("Id
entifier"),optional:{validate:a,default:!1},elementType:(0,n.validateType)("TSType")}});const
h={aliases:["TSType"],visitor:["types"],fields:{types:(0,n.validateArrayOfType)("TSType")}};
(0,n.default)("TSUnionType",h),
(0,n.default)("TSIntersectionType",h),
(0,n.default)("TSConditionalType",{aliases:["TSType"],visitor:["
checkType","extendsType","trueType","falseType"],fields:{checkType:(0,n.validateType)("TSType"),extendsType:

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(0,n.validateType)("TSType"),trueType:(0,n.validateType)("TSType"),falseType:(0,n.validateType)("TSType"))},(
0,n.default)("TSInferType",{aliases:["TSType"],visitor:["typeParameter"],fields:{typeParameter:(0,n.validateType)(
"TSTypeParameter"}}),(0,n.default)("TSParenthesizedType",{aliases:["TSType"],visitor:["typeAnnotation"],fields:
{typeAnnotation:(0,n.validateType)("TSType"}}),(0,n.default)("TSTypeOperator",{aliases:["TSType"],visitor:["ty
peAnnotation"],fields:{operator:(0,n.validate)((0,n.assertValueType)("string")),typeAnnotation:(0,n.validateType)("
TSType"}}),(0,n.default)("TSIndexedAccessType",{aliases:["TSType"],visitor:["objectType","indexType"],fields:
{objectType:(0,n.validateType)("TSType"),indexType:(0,n.validateType)("TSType"}}),(0,n.default)("TSMappedT
ype",{aliases:["TSType"],visitor:["typeParameter","typeAnnotation","nameType"],fields:{readonly:(0,n.validateOpt
ional)(a),typeParameter:(0,n.validateType)("TSTypeParameter"),optional:(0,n.validateOptional)(a),typeAnnotation:(
0,n.validateOptionalType)("TSType"),nameType:(0,n.validateOptionalType)("TSType"}}),(0,n.default)("TSLiteral
Type",{aliases:["TSType","TSBaseType"],visitor:["literal"],fields:{literal:(0,n.validateType)(["NumericLiteral","Str
ingLiteral","BooleanLiteral","BigIntLiteral"])}),(0,n.default)("TSExpressionWithTypeArguments",{aliases:["TST
ype"],visitor:["expression","typeParameters"],fields:{expression:(0,n.validateType)("TSEntityName"),typeParamete
rs:(0,n.validateOptionalType)("TSTypeParameterInstantiation"}}),(0,n.default)("TSInterfaceDeclaration",{aliases:[
"Statement","Declaration"],visitor:["id","typeParameters","extends","body"],fields:{declare:(0,n.validateOptional)(a
),id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterDeclaration"),ext
ends:(0,n.validateOptional)((0,n.arrayOfType)("TSExpressionWithTypeArguments")),body:(0,n.validateType)("TSI
nterfaceBody"}}),(0,n.default)("TSInterfaceBody",{visitor:["body"],fields:{body:(0,n.validateArrayOfType)("TST
ypeElement"}}),(0,n.default)("TSTypeAliasDeclaration",{aliases:["Statement","Declaration"],visitor:["id","typePar
ameters","typeAnnotation"],fields:{declare:(0,n.validateOptional)(a),id:(0,n.validateType)("Identifier"),typeParamet
ers:(0,n.validateOptionalType)("TSTypeParameterDeclaration"),typeAnnotation:(0,n.validateType)("TSType"}}),(
0,n.default)("TSAsExpression",{aliases:["Expression"],visitor:["expression","typeAnnotation"],fields:{expression:(
0,n.validateType)("Expression"),typeAnnotation:(0,n.validateType)("TSType"}}),(0,n.default)("TSTypeAssertion",
{aliases:["Expression"],visitor:["typeAnnotation","expression"],fields:{typeAnnotation:(0,n.validateType)("TSType
"),expression:(0,n.validateType)("Expression"}}),(0,n.default)("TSEnumDeclaration",{aliases:["Statement","Decla
ration"],visitor:["id","members"],fields:{declare:(0,n.validateOptional)(a),const:(0,n.validateOptional)(a),id:(0,n.vali
dateType)("Identifier"),members:(0,n.validateArrayOfType)("TSEnumMember"),initializer:(0,n.validateOptionalTy
pe)("Expression"}}),(0,n.default)("TSEnumMember",{visitor:["id","initializer"],fields:{id:(0,n.validateType)(["Ide
ntifier","StringLiteral"]),initializer:(0,n.validateOptionalType)("Expression"}}),(0,n.default)("TSModuleDeclaratio
n",{aliases:["Statement","Declaration"],visitor:["id","body"],fields:{declare:(0,n.validateOptional)(a),global:(0,n.val
idateOptional)(a),id:(0,n.validateType)(["Identifier","StringLiteral"]),body:(0,n.validateType)(["TSModuleBlock",
TSModuleDeclaration"])}),(0,n.default)("TSModuleBlock",{aliases:["Scopable","Block","BlockParent"],visitor:["
body"],fields:{body:(0,n.validateArrayOfType)("Statement"}}),(0,n.default)("TSImportType",{aliases:["TSType"],
visitor:["argument","qualifier","typeParameters"],fields:{argument:(0,n.validateType)("StringLiteral"),qualifier:(0,n
.validateOptionalType)("TSEntityName"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterInstantiatio
n"}}),(0,n.default)("TSImportEqualsDeclaration",{aliases:["Statement"],visitor:["id","moduleReference"],fields:{is
Export:(0,n.validate)(a),id:(0,n.validateType)("Identifier"),moduleReference:(0,n.validateType)(["TSEntityName",
TSExternalModuleReference"])}),(0,n.default)("TSExternalModuleReference",{visitor:["expression"],fields:{expr
ession:(0,n.validateType)("StringLiteral"}}),(0,n.default)("TSNonNullExpression",{aliases:["Expression"],visitor:[
"expression"],fields:{expression:(0,n.validateType)("Expression"}}),(0,n.default)("TSExportAssignment",{aliases:
["Statement"],visitor:["expression"],fields:{expression:(0,n.validateType)("Expression"}}),(0,n.default)("TSNames
paceExportDeclaration",{aliases:["Statement"],visitor:["id"],fields:{id:(0,n.validateType)("Identifier"}}),(0,n.defau
lt)("TSTypeAnnotation",{visitor:["typeAnnotation"],fields:{typeAnnotation:{validate:(0,n.assertNodeType)("TSTy
pe"}}),(0,n.default)("TSTypeParameterInstantiation",{visitor:["params"],fields:{params:{validate:(0,n.chain)((0,n
.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("TSType"))}}),(0,n.default)("TSTypeParamete
rDeclaration",{visitor:["params"],fields:{params:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEac
h)((0,n.assertNodeType)("TSTypeParameter"))}}),(0,n.default)("TSTypeParameter",{builder:["constraint","default
t","name"],visitor:["constraint","default"],fields:{name:{validate:(0,n.assertValueType)("string")},constraint:{valida

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te:(0,n.assertNodeType)("TSType"),optional:!0},default:{ validate:(0,n.assertNodeType)("TSType"),optional:!0 } })
},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e){if(!0,i.default)(e){ var t;const
r=null!==(t=null===e?void 0:e.type)?t:JSON.stringify(e);throw new TypeError("Not a valid node of type
"${r}")}};var n,i=(n=r(84))&&n.__esModule?n:{ default:n },function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.assertArrayExpression=function(e,t={}){s("ArrayExpres
sion",e,t)},t.assertAssignmentExpression=function(e,t={}){s("AssignmentExpression",e,t)},t.assertBinaryExpressio
n=function(e,t={}){s("BinaryExpression",e,t)},t.assertInterpreterDirective=function(e,t={}){s("InterpreterDirective"
,e,t)},t.assertDirective=function(e,t={}){s("Directive",e,t)},t.assertDirectiveLiteral=function(e,t={}){s("DirectiveLit
eral",e,t)},t.assertBlockStatement=function(e,t={}){s("BlockStatement",e,t)},t.assertBreakStatement=function(e,t={
}){s("BreakStatement",e,t)},t.assertCallExpression=function(e,t={}){s("CallExpression",e,t)},t.assertCatchClause=f
unction(e,t={}){s("CatchClause",e,t)},t.assertConditionalExpression=function(e,t={}){s("ConditionalExpression",e,
t)},t.assertContinueStatement=function(e,t={}){s("ContinueStatement",e,t)},t.assertDebuggerStatement=function(e,t
={}){s("DebuggerStatement",e,t)},t.assertDoWhileStatement=function(e,t={}){s("DoWhileStatement",e,t)},t.assert
EmptyStatement=function(e,t={}){s("EmptyStatement",e,t)},t.assertExpressionStatement=function(e,t={}){s("Expr
essionStatement",e,t)},t.assertFile=function(e,t={}){s("File",e,t)},t.assertForInStatement=function(e,t={}){s("ForIn
Statement",e,t)},t.assertForStatement=function(e,t={}){s("ForStatement",e,t)},t.assertFunctionDeclaration=function
(e,t={}){s("FunctionDeclaration",e,t)},t.assertFunctionExpression=function(e,t={}){s("FunctionExpression",e,t)},t.
assertIdentifier=function(e,t={}){s("Identifier",e,t)},t.assertIfStatement=function(e,t={}){s("IfStatement",e,t)},t.asse
rtLabeledStatement=function(e,t={}){s("LabeledStatement",e,t)},t.assertStringLiteral=function(e,t={}){s("StringLit
eral",e,t)},t.assertNumericLiteral=function(e,t={}){s("NumericLiteral",e,t)},t.assertNullLiteral=function(e,t={}){s("
NullLiteral",e,t)},t.assertBooleanLiteral=function(e,t={}){s("BooleanLiteral",e,t)},t.assertRegExpLiteral=function(e
,t={}){s("RegExpLiteral",e,t)},t.assertLogicalExpression=function(e,t={}){s("LogicalExpression",e,t)},t.assertMem
berExpression=function(e,t={}){s("MemberExpression",e,t)},t.assertNewExpression=function(e,t={}){s("NewExpr
ession",e,t)},t.assertProgram=function(e,t={}){s("Program",e,t)},t.assertObjectExpression=function(e,t={}){s("Obje
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SpreadProperty has been renamed to SpreadElement"),s("SpreadProperty",e,t)};var
n,i=(n=r(34))&&n.__esModule?n:{default:n};function s(e,t,r){if(!0,i.default)(e,t,r)throw new Error("Expected type
"${e}" with option ${JSON.stringify(r)}, but instead got "${t.type}".`)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if("string"===e)return(0,n.stringTyp
eAnnotation());if("number"===e)return(0,n.numberTypeAnnotation());if("undefined"===e)return(0,n.voidTypeAnn

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otation());if("boolean"===e)return(0,n.booleanTypeAnnotation());if("function"===e)return(0,n.genericTypeAnnotation)((0,n.identifier)("Function"));if("object"===e)return(0,n.genericTypeAnnotation)((0,n.identifier)("Object"));if("symbol"===e)return(0,n.genericTypeAnnotation)((0,n.identifier)("Symbol"));throw new Error("Invalid type of value");var n=r(4),function(e,t,r){ "use strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e){const t=(0,s.default)(e);return 1===t.length?t[0]:(0,i.unionTypeAnnotation)(t)};var n,i=r(4),s=(n=r(85))&&n.__esModule?n:{ default:n },function(e,t,r){ "use strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e){const t=e.map(e=>e.typeAnnotations),r=(0,s.default)(t);return 1===r.length?r[0]:(0,i.tsUnionType)(r)};var n,i=r(4),s=(n=r(221))&&n.__esModule?n:{ default:n },function(e,t,r){ "use strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e){const t={},r={},i=[],s=[];for(let t=0;t<e.length;t++){ const a=e[t];if(a&&!s.indexOf(a)>=0){if((0,n.isTSAnyKeyword)(a.type))return[a];(0,n.isTSBaseType)(a)?r[a.type]=a:(0,n.isTSUnionType)(a)?i.indexOf(a.types)<0&&(e=e.concat(a.types),i.push(a.types)):s.push(a) }for(const e of Object.keys(r))s.push(r[e]);for(const e of Object.keys(t))s.push(t[e]);return s};var n=r(2),function(e,t,r){ "use strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e){return(0,i.default)(e,!1)};var n,i=(n=r(14))&&n.__esModule?n:{ default:n },function(e,t,r){ "use strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e){return(0,i.default)(e)};var n,i=(n=r(14))&&n.__esModule?n:{ default:n },function(e,t,r){ "use strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e){return(0,i.default)(e,!0,!0)};var n,i=(n=r(14))&&n.__esModule?n:{ default:n },function(e,t,r){ "use strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e){return(0,i.default)(e,!1,!0)};var n,i=(n=r(14))&&n.__esModule?n:{ default:n },function(e,t,r,n){return(0,i.default)(e,t,[{ type:n?"CommentLine":"CommentBlock",value:r}])};var n,i=(n=r(86))&&n.__esModule?n:{ default:n },function(e,t,r){ "use strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e){return n.COMMENT_KEYS.forEach(t=>{ e[t]=null}),e};var n=r(13),function(e,t,r){ "use strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.TSBASETYPE_TYPES=t.TSTYPE_TYPES=t.TSTYPE_ELEMENT_TYPES=t.PRIVATE_TYPES=t.JSX_TYPES=t.ENUMMEMBER_TYPES=t.ENUMBODY_TYPES=t.FLOWPREDICATE_TYPES=t.FLOWDECLARATION_TYPES=t.FLOWBASEANNOTATION_TYPES=t.FLOWWTYPE_TYPES=t.FLOW_TYPES=t.MODULESPECIFIER_TYPES=t.EXPORTDECLARATION_TYPES=t.MODULEDECLARATION_TYPES=t.CLASS_TYPES=t.PATTERN_TYPES=t.UNARYLIKE_TYPES=t.PROPERTY_TYPES=t.OBJECTMEMBER_TYPES=t.METHOD_TYPES=t.USERWHITESPACABLE_TYPES=t.IMMUTABLE_TYPES=t.LITERAL_TYPES=t.TSENTITYNAME_TYPES=t.LVAL_TYPES=t.PATTERNLIKE_TYPES=t.DECLARATION_TYPES=t.PUREISH_TYPES=t.FUNCTIONPARENT_TYPES=t.FUNCTION_TYPES=t.FORX STATEMENT_TYPES=t.FOR_TYPES=t.EXPRESSIONWRAPPER_TYPES=t.WHILE_TYPES=t.LOOP_TYPES=t.CONDITIONAL_TYPES=t.COMPLETIONSTATEMENT_TYPES=t.TERMINATORLESS_TYPES=t.STATEMENT_TYPES=t.BLOCK_TYPES=t.BLOCKPARENT_TYPES=t.SCOPABLE_TYPES=t.BINARY_TYPES=t.EXPRESSION_TYPES=void 0;var n=r(5);const i=n.FLIPPED_ALIAS_KEYS.Expression;t.EXPRESSION_TYPES=i;const s=n.FLIPPED_ALIAS_KEYS.Binary;t.BINARY_TYPES=s;const a=n.FLIPPED_ALIAS_KEYS.Scopable;t.SCOPABLE_TYPES=a;const o=n.FLIPPED_ALIAS_KEYS.BlockParent;t.BLOCKPARENT_TYPES=o;const l=n.FLIPPED_ALIAS_KEYS.Block;t.BLOCK_TYPES=l;const c=n.FLIPPED_ALIAS_KEYS.Statement;t.STATEMENT_TYPES=c;const p=n.FLIPPED_ALIAS_KEYS.Terminatorless;t.TERMINATORLESS_TYPES=p;const u=n.FLIPPED_ALIAS_KEYS.CompletionStatement;t.COMPLETIONSTATEMENT_TYPES=u;const

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d=n.FLIPPED_ALIAS_KEYS.Conditional;t.CONDITIONAL_TYPES=d;const
h=n.FLIPPED_ALIAS_KEYS.Loop;t.LOOP_TYPES=h;const
f=n.FLIPPED_ALIAS_KEYS.While;t.WHILE_TYPES=f;const
m=n.FLIPPED_ALIAS_KEYS.ExpressionWrapper;t.EXPRESSIONWRAPPER_TYPES=m;const
y=n.FLIPPED_ALIAS_KEYS.For;t.FOR_TYPES=y;const
T=n.FLIPPED_ALIAS_KEYS.ForXStatement;t.FORXSTATEMENT_TYPES=T;const
b=n.FLIPPED_ALIAS_KEYS.Function;t.FUNCTION_TYPES=b;const
g=n.FLIPPED_ALIAS_KEYS.FunctionParent;t.FUNCTIONPARENT_TYPES=g;const
S=n.FLIPPED_ALIAS_KEYS.Pureish;t.PUREISH_TYPES=S;const
x=n.FLIPPED_ALIAS_KEYS.Declaration;t.DECLARATION_TYPES=x;const
E=n.FLIPPED_ALIAS_KEYS.PatternLike;t.PATTERNLIKE_TYPES=E;const
P=n.FLIPPED_ALIAS_KEYS.LVal;t.LVAL_TYPES=P;const
v=n.FLIPPED_ALIAS_KEYS.TEntityName;t.TENTITYNAME_TYPES=v;const
A=n.FLIPPED_ALIAS_KEYS.Literal;t.LITERAL_TYPES=A;const
w=n.FLIPPED_ALIAS_KEYS.Immutable;t.IMMUTABLE_TYPES=w;const
O=n.FLIPPED_ALIAS_KEYS.UserWhitespacable;t.USERWHITESPACABLE_TYPES=O;const
I=n.FLIPPED_ALIAS_KEYS.Method;t.METHOD_TYPES=I;const
C=n.FLIPPED_ALIAS_KEYS.ObjectMember;t.OBJECTMEMBER_TYPES=C;const
N=n.FLIPPED_ALIAS_KEYS.Property;t.PROPERTY_TYPES=N;const
k=n.FLIPPED_ALIAS_KEYS.UnaryLike;t.UNARYLIKE_TYPES=k;const
D=n.FLIPPED_ALIAS_KEYS.Pattern;t.PATTERN_TYPES=D;const
_=n.FLIPPED_ALIAS_KEYS.Class;t.CLASS_TYPES=_;const
L=n.FLIPPED_ALIAS_KEYS.ModuleDeclaration;t.MODULEDECLARATION_TYPES=L;const
M=n.FLIPPED_ALIAS_KEYS.ExportDeclaration;t.EXPORTDECLARATION_TYPES=M;const
j=n.FLIPPED_ALIAS_KEYS.ModuleSpecifier;t.MODULESPECIFIER_TYPES=j;const
F=n.FLIPPED_ALIAS_KEYS.Flow;t.FLOW_TYPES=F;const
R=n.FLIPPED_ALIAS_KEYS.FlowType;t.FLOWTYPE_TYPES=R;const
B=n.FLIPPED_ALIAS_KEYS.FlowBaseAnnotation;t.FLOWBASEANNOTATION_TYPES=B;const
U=n.FLIPPED_ALIAS_KEYS.FlowDeclaration;t.FLOWDECLARATION_TYPES=U;const
V=n.FLIPPED_ALIAS_KEYS.FlowPredicate;t.FLOWPREDICATE_TYPES=V;const
K=n.FLIPPED_ALIAS_KEYS.EnumBody;t.ENUMBODY_TYPES=K;const
q=n.FLIPPED_ALIAS_KEYS.EnumMember;t.ENUMMEMBER_TYPES=q;const
Y=n.FLIPPED_ALIAS_KEYS.JSX;t.JSX_TYPES=Y;const
W=n.FLIPPED_ALIAS_KEYS.Private;t.PRIVATE_TYPES=W;const
X=n.FLIPPED_ALIAS_KEYS.TSTypeElement;t.TSTYPEELEMENT_TYPES=X;const
J=n.FLIPPED_ALIAS_KEYS.TSType;t.TSTYPE_TYPES=J;const
H=n.FLIPPED_ALIAS_KEYS.TSBaseType;t.TSBASETYPE_TYPES=H},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t="body"){return
e[t]=(0,i.default)(e[t],e);var n,i=(n=r(91))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){"eval"!==e&&(e=(0,i.default)(e))&&"arg
uments"!==e||e=="_"+e;return e};var n,i=(n=r(92))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t=e.key||e.property){!e.computed&&(
0,n.isIdentifier)(t)&&(t=(0,i.stringLiteral)(t.name));return t};var n=r(2),i=r(4)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){(0,n.isExpressionStatement)(e)&&(e
=e.expression);if((0,n.isExpression)(e))return
e;(0,n.isClass)(e)?e.type="ClassExpression":(0,n.isFunction)(e)&&(e.type="FunctionExpression");if(!(0,n.isExpress
ion)(e))throw new Error(`cannot turn ${e.type} to an expression`);return e};var n=r(2)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=o;var n=r(2),i=a(r(14)),s=a(r(93));function

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a(e){return e&&e.__esModule?:{default:e}}function o(e,t=e.key){let
r;return"method"===e.kind?o.increment()+"":(r=(0,n.isIdentifier)(t)?t.name:(0,n.isStringLiteral)(t)?JSON.stringify(t
.value):JSON.stringify((0,s.default)((0,i.default)(t))),e.computed&&(r=`[${r}]`),e.static&&(r="static:"+r),r)}o.uid=0
,o.increment=function(){return o.uid>=Number.MAX_SAFE_INTEGER?o.uid=0:o.uid++},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(!null===e?void
0:e.length))return;const r=[],n=(0,i.default)(e,t,r);if(!n)return;for(const e of r)t.push(e);return n};var
n,i=(n=r(235))&&n.__esModule?:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t,r,o){const l=[];let c=!0;for(const p
of t)if((0,i.isEmptyStatement)(p)||c=!1,(0,i.isExpression)(p))l.push(p);else
if((0,i.isExpressionStatement)(p))l.push(p.expression);else
if((0,i.isVariableDeclaration)(p)){if("var"!==p.kind)return;for(const e of p.declarations){const
t=(0,n.default)(e);for(const e of
Object.keys(t))o.push({kind:p.kind,id:(0,a.default)(t[e]));e.init&&l.push((0,s.assignmentExpression)("=",e.id,e.init
))c=!0}else if((0,i.isIfStatement)(p)){const
t=p.consequent?e([p.consequent],r,o):r.buildUndefinedNode(),n=p.alternate?e([p.alternate],r,o):r.buildUndefinedNo
de();if(!t||!n)return;l.push((0,s.conditionalExpression)(p.test,t,n))}else if((0,i.isBlockStatement)(p)){const
t=e(p.body,r,o);if(!t)return;l.push(t)}else if(!0,i.isEmptyStatement)(p))return;0===t.indexOf(p)&&(c=!0)}c&&l.pu
sh(r.buildUndefinedNode());return 1===l.length?[0]:(0,s.sequenceExpression)(l)};var
n=o(r(35)),i=r(2),s=r(4),a=o(r(14));function o(e){return e&&e.__esModule?:{default:e}}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if((0,n.isStatement)(e))return e;let
r,s=!1;if((0,n.isClass)(e))s=!0,r="ClassDeclaration";else if((0,n.isFunction)(e))s=!0,r="FunctionDeclaration";else
if((0,n.isAssignmentExpression)(e))return(0,i.expressionStatement)(e);s&&!e.id&&(r=!1);if(!r){if(t)return!1;throw
new Error(`cannot turn ${e.type} to a statement`)}return e.type=r,e};var n=r(2),i=r(4),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t){if(void
0===t)return(0,a.identifier)("undefined");if(!0===t||!1===t)return(0,a.booleanLiteral)(t);if(null===t)return(0,a.nullL
iteral());if("string"===typeof t)return(0,a.stringLiteral)(t);if("number"===typeof t){let
e;if(Number.isFinite(t))e=(0,a.numericLiteral)(Math.abs(t));else{let
r;r=Number.isNaN(t)?(0,a.numericLiteral)(0):(0,a.numericLiteral)(1),e=(0,a.binaryExpression)("/",r,(0,a.numericLit
eral)(0))}return(t<0||Object.is(t,-0))&&(e=(0,a.unaryExpression)("-",e)),e}if((0,i.default)(t)){const
e=t.source,r=t.toString().match(/^\s*([a-
z+])$/[1]);return(0,a.regExpLiteral)(e,r)}if(Array.isArray(t))return(0,a.arrayExpression)(t.map(e));if((0,n.default)(t
)){const r=[];for(const n of Object.keys(t)){let
i;i=(0,s.default)(n)?(0,a.identifier)(n):(0,a.stringLiteral)(n),r.push((0,a.objectProperty)(i,e(t[n])))}return(0,a.objectEx
pression)(r)}throw new Error("don't know how to turn this value into a node")};var
n=o(r(238)),i=o(r(239)),s=o(r(23)),a=r(4);function o(e){return
e&&e.__esModule?:{default:e}}},function(e,t,r){var
n=r(18),i=r(47),s=r(12),a=Function.prototype,o=Object.prototype,l=a.toString,c=o.hasOwnProperty,p=l.call(Object)
;e.exports=function(e){if(!s(e)||"object Object"!==n(e))return!1;var t=i(e);if(null===t)return!0;var
r=c.call(t,"constructor")&&t.constructor;return"function"===typeof r&&r instanceof
r&&l.call(r)==p}},function(e,t,r){var
n=r(240),i=r(32),s=r(33),a=s&&s.isRegExp,o=a?i(a):n;e.exports=o},function(e,t,r){var
n=r(18),i=r(12);e.exports=function(e){return i(e)&&"object RegExp"===n(e)}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r=!1){return
e.object=(0,n.memberExpression)(e.object,e.property,e.computed),e.property=t,e.computed=!r,e};var
n=r(4),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(!e||!t)return e;for(const r of
i.INHERIT_KEYS.optional)null===e[r]&&(e[r]=t[r]);for(const r of
Object.keys(t))"_===r[0]&&"__clone"!==r&&(e[r]=t[r]);for(const r of

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i.INHERIT_KEYS.force)e[r]=t[r];return(0,s.default)(e,t,e);var
n,i=r(13),s=(n=r(89))&&n.__esModule?n:{default:n}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){return
e.object=(0,n.memberExpression)(t,e.object),e};var n=r(4)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){return(0,i.default)(e,t,!0)};var
n,i=(n=r(35))&&n.__esModule?n:{default:n}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){ "function"===typeof
t&&(t={enter:t});const{enter:i,exit:s}=t;!function e(t,r,i,s,a){ const
o=n.VISITOR_KEYS[t.type];if(!o)return;r&&r(t,a,s);for(const n of o){ const o=t[n];if(Array.isArray(o))for(let
l=0;l<o.length;l++){ const c=o[l];c&&(a.push({node:t,key:n,index:l}),e(c,r,i,s,a),a.pop())}else
o&&(a.push({node:t,key:n}),e(o,r,i,s,a),a.pop())}i&&i(t,a,s)}(e,i,s,r,[]);var n=r(5)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(r&&"Identifier"===e.type&&"
ObjectProperty"===t.type&&"ObjectExpression"===r.type)return!1;const n=i.default.keys[t.type];if(n)for(let
r=0;r<n.length;r++){ const i=n[r],s=t[i];if(Array.isArray(s)){ if(s.indexOf(e)>=0)return!0}else
if(s===e)return!0}return!1};var n,i=(n=r(35))&&n.__esModule?n:{default:n}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,i.isFunctionDeclaration)(e)||
(0,i.isClassDeclaration)(e)||(0,s.default)(e)};var
n,i=r(2),s=(n=r(96))&&n.__esModule?n:{default:n}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if((0,i.default)(e.type,"Immutable"))
return!0;if((0,s.isIdentifier)(e))return"undefined"===e.name;return!1};var
n,i=(n=r(51))&&n.__esModule?n:{default:n},s=r(2)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t,r){if("object"!==typeof
t||"object"!==typeof r||null===t||null===r)return t===r;if(t.type!==r.type)return!1;const
i=Object.keys(n.NODE_FIELDS[t.type]||t.type),s=n.VISITOR_KEYS[t.type];for(const n of i){ if(typeof
t[n]!==typeof
r[n])return!1;if(null!==t[n]||null!==r[n]){ if(null===t[n]||null===r[n])return!1;if(Array.isArray(t[n])){ if(!Array.isArray(r[n]
))return!1;if(t[n].length!==r[n].length)return!1;for(let i=0;i<t[n].length;i++){ if(!e(t[n][i],r[n][i]))return!1} else
if("object"!==typeof t[n]||!(null===s?s.includes(n))){ if(!e(t[n],r[n]))return!1} else for(const e of
Object.keys(t[n]))if(t[n][e]!==r[n][e])return!1} }return!0};var n=r(5)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){ switch(t.type){ case"MemberExpr
ession":case"JSXMemberExpression":case"OptionalMemberExpression":return
t.property===e?!t.computed:t.object===e;case"VariableDeclarator":return
t.init===e;case"ArrowFunctionExpression":return
t.body===e;case"ExportSpecifier":return!t.source&&t.local===e;case"PrivateName":return!1;case"ClassMethod":c
ase"ClassPrivateMethod":case"ObjectMethod":if(t.params.includes(e))return!1;case"ObjectProperty":case"ClassPro
perty":case"ClassPrivateProperty":return
t.key===e?!t.computed:t.value===e||(!r||"ObjectPattern"!==r.type);case"ClassDeclaration":case"ClassExpression":r
eturn t.superClass===e;case"AssignmentExpression":case"AssignmentPattern":return
t.right===e;case"LabeledStatement":case"CatchClause":case"RestElement":return!1;case"BreakStatement":case"Co
ntinueStatement":return!1;case"FunctionDeclaration":case"FunctionExpression":return!1;case"ExportNamespaceSp
ecifier":case"ExportDefaultSpecifier":return!1;case"ImportDefaultSpecifier":case"ImportNamespaceSpecifier":case
"ImportSpecifier":case"JSXAttribute":return!1;case"ObjectPattern":case"ArrayPattern":case"MetaProperty":return!
1;case"ObjectTypeProperty":return t.key!==e;case"TSEnumMember":return
t.id===e;case"TSPropertySignature":return t.key===e||!t.computed}return!0} },function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if((0,n.isBlockStatement)(e)&&((0
,n.isFunction)(t)||((0,n.isCatchClause)(t)))return!1;if((0,n.isPattern)(e)&&((0,n.isFunction)(t)||((0,n.isCatchClause)(t)))
return!0;return(0,n.isScopable)(e)};var n=r(2)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.isImportDefaultSpecifier)

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(e)||0,n.isIdentifier)(e.imported||e.exported,{name:"default"});var n=r(2)},function(e,t,r){
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,i.default)(e)&&!s.has(e);v
ar n,i=(n=r(23))&&n.__esModule?n:{default:n};const s=new
Set(["abstract","boolean","byte","char","double","enum","final","float","goto","implements","int","interface","long"
,"native","package","private","protected","public","short","static","synchronized","throws","transient","volatile"]);f
unction(e,t,r){
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.isVariableDeclaration)(e,
{kind:"var"})&&!e.BLOCK_SCOPED_SYMBOL};var n=r(2),i=r(13)},function(e,t,r){
process||"renderer"===process.type||0===process.browser||process.__nwjs?e.exports=r(256):e.exports=r(258)},func
tion(e,t,r){t.log=function(...e){return"object"===typeof
console&&console.log&&console.log(...e)},t.formatArgs=function(t){if(t[0]=(this.useColors?"%c":"")+this.namesp
ace+(this.useColors?"%c":"")+t[0]+(this.useColors?"%c ":"
")+"+e.exports.humanize(this.diff,!this.useColors)return;const r="color: "+this.color;t.splice(1,0,r,"color:
inherit");let n=0,i=0;t[0].replace(/%[a-zA-
Z%]/g,e=>{"% "%!===e&&(n++,"%c"===e&&(i=n)}),t.splice(i,0,r)},t.save=function(e){try{e?t.storage.setItem("de
bug",e):t.storage.removeItem("debug")}catch(e){}},t.load=function(){let
e;try{e=t.storage.getItem("debug")}catch(e){!e&&"undefined"!==typeof process&&"env"in
process&&(e=process.env.DEBUG);return e},t.useColors=function(){if("undefined"!==typeof
window&&window.process&&("renderer"===window.process.type||window.process.__nwjs))return!0;if("undefine
d"!==typeof
navigator&&navigator.userAgent&&navigator.userAgent.toLowerCase().match(/(edge|trident)\|\|(\d+)/))return!1;ret
urn"undefined"!==typeof
document&&document.documentElement&&document.documentElement.style&&document.documentElement.sty
le.WebkitAppearance||"undefined"!==typeof
window&&window.console&&(window.console.firebug||window.console.exception&&window.console.table)||"un
defined"!==typeof
navigator&&navigator.userAgent&&navigator.userAgent.toLowerCase().match(/firefox\|\|(\d+)/)&&parseInt(RegE
xp.$1,10)>=31||"undefined"!==typeof
navigator&&navigator.userAgent&&navigator.userAgent.toLowerCase().match(/applewebkit\|\|(\d+)/)},t.storage=f
unction(){try{return
localStorage}catch(e){}}(),t.colors=["#0000CC","#0000FF","#0033CC","#0033FF","#0066CC","#0066FF","#0099
CC","#0099FF","#00CC00","#00CC33","#00CC66","#00CC99","#00CCCC","#00CCFF","#3300CC","#3300FF","#
3333CC","#3333FF","#3366CC","#3366FF","#3399CC","#3399FF","#33CC00","#33CC33","#33CC66","#33CC9
9","#33CCCC","#33CCFF","#6600CC","#6600FF","#6633CC","#6633FF","#66CC00","#66CC33","#9900CC","#9
900FF","#9933CC","#9933FF","#99CC00","#99CC33","#CC0000","#CC0033","#CC0066","#CC0099","#CC00C
C","#CC00FF","#CC3300","#CC3333","#CC3366","#CC3399","#CC33CC","#CC33FF","#CC6600","#CC6633",
"#CC9900","#CC9933","#CCCC00","#CCCC33","#FF0000","#FF0033","#FF0066","#FF0099","#FF00CC","#FF00
FF","#FF3300","#FF3333","#FF3366","#FF3399","#FF33CC","#FF33FF","#FF6600","#FF6633","#FF9900","#FF
9933","#FFCC00","#FFCC33"},e.exports=r(97)(t);const{formatters:n}=e.exports;n.j=function(e){try{return
JSON.stringify(e)}catch(e){return"[UnexpectedJSONParseError]: "+e.message}}},function(e,t){var
r=1e3,n=6e4,i=60*n,s=24*i;function a(e,t,r,n){var i=t>=1.5*r;return Math.round(e/r)+
"+n+(i?s:"")}.e.exports=function(e,t){t=t||{};var o=typeof e;if("string"===o&&e.length>0)return
function(e){if((e=String(e)).length>100)return;var t=/^(?:(\d+)?\.\d+)?
*(milliseconds?|msecs?|ms|seconds?|secs?|s|minutes?|mins?|m|hours?|hrs?|h|days?|d|weeks?|w|years?|yrs?|y)?$/i.exec
(e);if(!t)return;var
a=parseFloat(t[1]);switch((t[2]||"ms").toLowerCase()){case"years":case"year":case"yrs":case"yr":case"y":return
315576e5*a;case"weeks":case"week":case"w":return 6048e5*a;case"days":case"day":case"d":return
a*s;case"hours":case"hour":case"hrs":case"hr":case"h":return

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a*i;case"minutes":case"minute":case"mins":case"min":case"m":return
a*n;case"seconds":case"second":case"secs":case"sec":case"s":return
a*r;case"milliseconds":case"millisecond":case"msecs":case"msec":case"ms":return
a;default:return}}(e);if("number"===o&&isFinite(e))return t.long?function(e){var t=Math.abs(e);if(t>=s)return
a(e,t,s,"day");if(t>=i)return a(e,t,i,"hour");if(t>=n)return a(e,t,n,"minute");if(t>=r)return a(e,t,r,"second");return e+"
ms"}(e):function(e){var t=Math.abs(e);if(t>=s)return Math.round(e/s)+"d";if(t>=i)return
Math.round(e/i)+"h";if(t>=n)return Math.round(e/n)+"m";if(t>=r)return Math.round(e/r)+"s";return
e+"ms"}(e);throw new Error("val is not a non-empty string or a valid number.
val="+JSON.stringify(e))},function(e,t,r){const n=r(259),i=r(260);t.init=function(e){e.inspectOpts={};const
r=Object.keys(t.inspectOpts);for(let
n=0;n<r.length;n++)e.inspectOpts[r[n]]=t.inspectOpts[r[n]]},t.log=function(...e){return
process.stderr.write(i.format(...e)+"\n"),t.formatArgs=function(r){const{namespace:n,useColors:i}=this;if(i){const
t=this.color,i=" [3"+(t<8?t:"8;5;" +t),s=` ${i};1m${n}
[0m`;r[0]=s+r[0].split("\n").join("\n"+s),r.push(i+"m+" +e.exports.humanize(this.diff)+" [0m")}]else
r[0]=function(){if(t.inspectOpts.hideDate)return"";return(new Date).toISOString()+" ">()+n+"
"+r[0]},t.save=function(e){e?process.env.DEBUG=e:delete process.env.DEBUG},t.load=function(){return
process.env.DEBUG},t.useColors=function(){return"colors"in
t.inspectOpts?Boolean(t.inspectOpts.colors):n.isatty(process.stderr.fd)},t.colors=[6,2,3,4,5,1];try{const
e=r(261);e&&(e.stderr[e].level>=2&&(t.colors=[20,21,26,27,32,33,38,39,40,41,42,43,44,45,56,57,62,63,68,69,74,7
5,76,77,78,79,80,81,92,93,98,99,112,113,128,129,134,135,148,149,160,161,162,163,164,165,166,167,168,169,170,
171,172,173,178,179,184,185,196,197,198,199,200,201,202,203,204,205,206,207,208,209,214,215,220,221])}catch
(e){t.inspectOpts=Object.keys(process.env).filter(e=>/^debug_/i.test(e)).reduce((e,t)=>{const
r=t.substring(6).toLowerCase().replace(/_([a-z])/g,(e,t)=>t.toUpperCase());let n=process.env[t];return
n=!/^yes|on|true|enabled$/i.test(n)||/^no|off|false|disabled$/i.test(n)&&("null"===n?null:Number(n)),e[r]=n,e},{
}),e.exports=r(97)(t);const{formatters:s}=e.exports;s.o=function(e){return
this.inspectOpts.colors=this.useColors,i.inspect(e,this.inspectOpts).replace(/\s*\n\s*/g,"
")},s.O=function(e){return
this.inspectOpts.colors=this.useColors,i.inspect(e,this.inspectOpts)}}},function(e,t){e.exports=require("tty"),functio
n(e,t){e.exports=require("util")},function(e,t,r){"use strict";const n=r(98),i=r(99),{env:s}=process;let a;function
o(e){return function(e){return
0!==(e&&{level:e,hasBasic:!0,has256:e>=2,has16m:e>=3})(function(e){if(0===a)return
0;if(i("color=16m")||i("color=full")||i("color=truecolor"))return 3;if(i("color=256"))return 2;if(e&&!e.isTTY&&void
0===a)return 0;const t=a||0;if("dumb"===s.TERM)return t;if("win32"===process.platform){const
e=n.release().split(".");return
Number(process.versions.node.split(".")[0])>=8&&Number(e[0])>=10&&Number(e[2])>=10586?Number(e[2])>=
14931?3:2:1;if("CI" in s)return["TRAVIS","CIRCLECI","APPVEYOR","GITLAB_CI"].some(e=>e in
s)||"codeship"===s.CI_NAME?1:t;if("TEAMCITY_VERSION" in s)return/^9\.(0*[1-
9])\d*\.\.\d{2,}\.\./i.test(s.TEAMCITY_VERSION)?1:0;if("truecolor"===s.COLORTERM)return
3;if("TERM_PROGRAM" in s){const
e=parseInt((s.TERM_PROGRAM_VERSION||"").split(".")[0],10);switch(s.TERM_PROGRAM){case"iTerm.app":r
eturn e>=3?3:2;case"Apple_Terminal":return 2}}return/-
256(color)?$/i.test(s.TERM)?2:/^screen|^xterm|^vt100|^vt220|^rxvt|color|ansi|cygwin|linux/i.test(s.TERM)||"COLO
RTERM" in s?1:t}(e))||i("no-color")||i("no-
colors")||i("color=false")||i("color=never")?a=0:(i("color")||i("colors")||i("color=true")||i("color=always"))&&(a=1),"
FORCE_COLOR" in
s&&(a!0===s.FORCE_COLOR||"true"===s.FORCE_COLOR?1:1===s.FORCE_COLOR||"false"===s.FORCE_
COLOR?0:0===s.FORCE_COLOR.length?1:Math.min(parseInt(s.FORCE_COLOR,10),3)),e.exports={supportsCo
lor:o,stdout:o(process.stdout),stderr:o(process.stderr)}},function(e,t,r){"use

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strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;s(r(101));var
n=s(r(263));!function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r)}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e){return e&&e.__esModule?e:{default:e}}const
a={ReferencedIdentifier({node:e},t){e.name===t.oldName&&(e.name=t.newName)},Scope(e,t){e.scope.bindingId
entifierEquals(t.oldName,t.binding.identifier)||e.skip()},"AssignmentExpression|Declaration|VariableDeclarator"(e,t)
{if(e.isVariableDeclaration())return;const r=e.getOuterBindingIdentifiers();for(const e in
r)e===t.oldName&&(r[e].name=t.newName)};t.default=class{constructor(e,t,r){this.newName=r,this.oldName=t,t
his.binding=e}maybeConvertFromExportDeclaration(e){const
t=e.parentPath;t.isExportDeclaration()&&(t.isExportDefaultDeclaration()&&!t.get("declaration").node.id||(0,n.defau
lt)(t))}maybeConvertFromClassFunctionDeclaration(e){}maybeConvertFromClassFunctionExpression(e){}rename(
e){const{binding:t,oldName:r,newName:n}=this,{scope:i,path:s}=t,o=s.find(e=>e.isDeclaration()||e.isFunctionExpr
ession()||e.isClassExpression());if(o){o.getOuterBindingIdentifiers()[r]===t.identifier&&this.maybeConvertFromExp
ortDeclaration(o)}i.traverse(e||i.block,a,this),e||i.removeOwnBinding(r),i.bindings[n]=t,this.binding.identifier.nam
e=n,t.type,o&&(this.maybeConvertFromClassFunctionDeclaration(o),this.maybeConvertFromClassFunctionExpres
sion(o))}}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if(!e.isExportDeclaration())throw
new Error("Only export declarations can be split.");const
t=e.isExportDefaultDeclaration(),r=e.get("declaration"),i=r.isClassDeclaration();if(t){const
t=r.isFunctionDeclaration()||i,s=r.isScope()?r.scope.parent:r.scope;let
a=r.node.id,o=!1;all(o=!0,a=s.generateUidIdentifier("default"),(t||r.isFunctionExpression()||r.isClassExpression())&
&(r.node.id=n.cloneNode(a)));const
l=t?r:n.variableDeclaration("var",[n.variableDeclarator(n.cloneNode(a),r.node)]),c=n.exportNamedDeclaration(null,
[n.exportSpecifier(n.cloneNode(a),n.identifier("default"))]);return
e.insertAfter(c),e.replaceWith(l,o&&s.registerDeclaration(e),e)if(e.get("specifiers").length>0)throw new Error("It
doesn't make sense to split exported specifiers.");const
s=r.getOuterBindingIdentifiers(),a=Object.keys(s).map(e=>n.exportSpecifier(n.identifier(e),n.identifier(e))),o=n.exp
ortNamedDeclaration(null,a);return e.insertAfter(o),e.replaceWith(r.node),e};var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(20));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n=(0,r(102).default)("React.Component");t.default=n,function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return!!e&&/^[a-
z]/.test(e)}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const t=[];for(let
r=0;r<e.children.length;r++){let
s=e.children[r];(0,n.isJSXText)(s)?(0,i.default)(s,t):((0,n.isJSXExpressionContainer)(s)&&(s=s.expression),(0,n.isJS
XEmptyExpression)(s)||t.push(s))}return t};var n=r(1),i=r(267)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const

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r=e.value.split(/\\r\\n\\n\\r/);let i=0;for(let e=0;e<r.length;e++)r[e].match(/^[^\\t/]&&(i=e);let s="";for(let
e=0;e<r.length;e++){const t=r[e],n=0===e,a=e===r.length-1,o=e===i;let l=t.replace(/\\t/g," ");n||(l=l.replace(/^[
]+/, "")),a||(l=l.replace(/[\ ]+$/, "")),l&&(o||(l+=" "),s+=l)}s&&t.push((0,n.stringLiteral)(s));var
n=r(3),function(e,t,r){"use strict";Object.defineProperty(t, "__esModule", {value:!0}),t.default=function(e,...t){const
r=n.BUILDER_KEYS[e],s=t.length;if(s>r.length)throw new Error(` ${e}: Too many arguments passed. Received
${s} but can receive no more than ${r.length} `);const a={type:e};let o=0;r.forEach(r=>{const
i=n.NODE_FIELDS[e][r];let l;o<s&&(l=t[o]),void
0===l&&(l=Array.isArray(i.default)?[i.default],a[r]=l,o++));for(const e of
Object.keys(a))(0,i.default)(a,e,a[e]);return a};var n=r(6),i=r(57)},function(e,t,r){"use strict";var n=r(10);const
i=(e,t="TypeParameterDeclaration")=>{(0,n.default)(e,{builder:["id","typeParameters","extends","body"],visitor:["i
d","typeParameters","extends","mixins","implements","body"],aliases:["Flow","FlowDeclaration","Statement","Dec
laration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)(t),extends:(0,n.valid
ateOptional)((0,n.arrayOfType)("InterfaceExtends")),mixins:(0,n.validateOptional)((0,n.arrayOfType)("InterfaceExt
ends")),implements:(0,n.validateOptional)((0,n.arrayOfType)("ClassImplements")),body:(0,n.validateType)("Object
TypeAnnotation")}}});(0,n.default)("AnyTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),
(0,n.default)("ArrayTypeAnnotation",{visitor:["elementType"],aliases:["Flow","FlowType"],fields:{elementType:(0
,n.validateType)("FlowType")}}),(0,n.default)("BooleanTypeAnnotation",{aliases:["Flow","FlowType","FlowBase
Annotation"]}),
(0,n.default)("BooleanLiteralTypeAnnotation",{builder:["value"],aliases:["Flow","FlowType"],field
s:{value:(0,n.validate)((0,n.assertValueType)("boolean"))}}),(0,n.default)("NullLiteralTypeAnnotation",{aliases:["F
low","FlowType","FlowBaseAnnotation"]}),
(0,n.default)("ClassImplements",{visitor:["id","typeParameters"],alias
es:["Flow"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterIns
tantiation")}}),i("DeclareClass"),(0,n.default)("DeclareFunction",{visitor:["id"],aliases:["Flow","FlowDeclaration","
Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),predicate:(0,n.validateOptionalType)("Declared
Predicate")}}),i("DeclareInterface"),(0,n.default)("DeclareModule",{builder:["id","body","kind"],visitor:["id","body
"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)(["Identifier","StringL
iteral"]),body:(0,n.validateType)("BlockStatement"),kind:(0,n.validateOptional)((0,n.assertOneOf)("CommonJS","E
S"))}}),(0,n.default)("DeclareModuleExports",{visitor:["typeAnnotation"],aliases:["Flow","FlowDeclaration","State
ment","Declaration"],fields:{typeAnnotation:(0,n.validateType)("TypeAnnotation")}}),(0,n.default)("DeclareTypeA
lias",{visitor:["id","typeParameters","right"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{i
d:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),right:(0,
n.validateType)("FlowType")}}),(0,n.default)("DeclareOpaqueType",{visitor:["id","typeParameters","supertype"],al
iases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),typeParamet
ers:(0,n.validateOptionalType)("TypeParameterDeclaration"),supertype:(0,n.validateOptionalType)("FlowType")}})
,(0,n.default)("DeclareVariable",{visitor:["id"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:
{id:(0,n.validateType)("Identifier")}}),(0,n.default)("DeclareExportDeclaration",{visitor:["declaration","specifiers",
"source"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{declaration:(0,n.validateOptionalTy
pe)("Flow"),specifiers:(0,n.validateOptional)((0,n.arrayOfType)(["ExportSpecifier","ExportNamespaceSpecifier"])),
source:(0,n.validateOptionalType)("StringLiteral"),default:(0,n.validateOptional)((0,n.assertValueType)("boolean"))
}}),(0,n.default)("DeclareExportAllDeclaration",{visitor:["source"],aliases:["Flow","FlowDeclaration","Statement",
"Declaration"],fields:{source:(0,n.validateType)("StringLiteral"),exportKind:(0,n.validateOptional)((0,n.assertOneO
f)("type","value"))}}),(0,n.default)("DeclaredPredicate",{visitor:["value"],aliases:["Flow","FlowPredicate"],fields:{
value:(0,n.validateType)("Flow")}}),(0,n.default)("ExistsTypeAnnotation",{aliases:["Flow","FlowType"]}),
(0,n.def
ault)("FunctionTypeAnnotation",{visitor:["typeParameters","params","rest","returnType"],aliases:["Flow","FlowTy
pe"],fields:{typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),params:(0,n.validate)((0,n.arr
ayOfType)("FunctionTypeParam")),rest:(0,n.validateOptionalType)("FunctionTypeParam"),this:(0,n.validateOption
alType)("FunctionTypeParam"),returnType:(0,n.validateType)("FlowType")}}),(0,n.default)("FunctionTypeParam",
{visitor:["name","typeAnnotation"],aliases:["Flow"],fields:{name:(0,n.validateOptionalType)("Identifier"),typeAnn
otation:(0,n.validateType)("FlowType"),optional:(0,n.validateOptional)((0,n.assertValueType)("boolean"))}}),(0,n.d

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efault)("GenericTypeAnnotation",{visitor:["id","typeParameters"],aliases:["Flow","FlowType"],fields:{id:(0,n.validateType)("Identifier","QualifiedTypeIdentifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterInstantiation")}},(0,n.default)("InferredPredicate",{aliases:["Flow","FlowPredicate"]}),0,n.default)("InterfaceExtends",{visitor:["id","typeParameters"],aliases:["Flow"],fields:{id:(0,n.validateType)("Identifier","QualifiedTypeIdentifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterInstantiation")}},i("InterfaceDeclaration"),0,n.default)("InterfaceTypeAnnotation",{visitor:["extends","body"],aliases:["Flow","FlowType"],fields:{extends:(0,n.validateOptional)((0,n.arrayOfType)("InterfaceExtends")),body:(0,n.validateType)("ObjectTypeAnnotation")}},(0,n.default)("IntersectionTypeAnnotation",{visitor:["types"],aliases:["Flow","FlowType"],fields:{types:(0,n.validate)((0,n.arrayOfType)("FlowType"))}},(0,n.default)("MixedTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("EmptyTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("NullableTypeAnnotation",{visitor:["typeAnnotation"],aliases:["Flow","FlowType"],fields:{typeAnnotation:(0,n.validateType)("FlowType")}},(0,n.default)("NumberLiteralTypeAnnotation",{builder:["value"],aliases:["Flow","FlowType"],fields:{value:(0,n.validate)((0,n.assertValueType)("number"))}},(0,n.default)("NumberTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("ObjectTypeAnnotation",{visitor:["properties","indexers","callProperties","internalSlots"],aliases:["Flow","FlowType"],builder:["properties","indexers","callProperties","internalSlots","exact"],fields:{properties:(0,n.validate)((0,n.arrayOfType)("ObjectTypeProperty","ObjectTypeSpreadProperty")),indexers:(0,n.validateOptional)((0,n.arrayOfType)("ObjectTypeIndexer")),callProperties:(0,n.validateOptional)((0,n.arrayOfType)("ObjectTypeCallProperty")),internalSlots:(0,n.validateOptional)((0,n.arrayOfType)("ObjectTypeInternalSlot")),exact:{validate:(0,n.assertValueType)("boolean"),default:!1},inexact:(0,n.validateOptional)((0,n.assertValueType)("boolean"))}},(0,n.default)("ObjectTypeInternalSlot",{visitor:["id","value","optional","static","method"],aliases:["Flow","UserWhitespacable"],fields:{id:(0,n.validateType)("Identifier"),value:(0,n.validateType)("FlowType"),optional:(0,n.validate)((0,n.assertValueType)("boolean")),static:(0,n.validate)((0,n.assertValueType)("boolean")),method:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("ObjectTypeCallProperty",{visitor:["value"],aliases:["Flow","UserWhitespacable"],fields:{value:(0,n.validateType)("FlowType"),static:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("ObjectTypeIndexer",{visitor:["id","key","value","variance"],aliases:["Flow","UserWhitespacable"],fields:{id:(0,n.validateOptionalType)("Identifier"),key:(0,n.validateType)("FlowType"),value:(0,n.validateType)("FlowType"),static:(0,n.validate)((0,n.assertValueType)("boolean")),variance:(0,n.validateOptionalType)("Variance")}},(0,n.default)("ObjectTypeProperty",{visitor:["key","value","variance"],aliases:["Flow","UserWhitespacable"],fields:{key:(0,n.validateType)("Identifier","StringLiteral"),value:(0,n.validateType)("FlowType"),kind:(0,n.validate)((0,n.assertOneOf)("init","get","set")),static:(0,n.validate)((0,n.assertValueType)("boolean")),proto:(0,n.validate)((0,n.assertValueType)("boolean")),optional:(0,n.validate)((0,n.assertValueType)("boolean")),variance:(0,n.validateOptionalType)("Variance"),method:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("ObjectTypeSpreadProperty",{visitor:["argument"],aliases:["Flow","UserWhitespacable"],fields:{argument:(0,n.validateType)("FlowType")}},(0,n.default)("OpaqueType",{visitor:["id","typeParameters","supertype","impltype"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),supertype:(0,n.validateOptionalType)("FlowType"),impltype:(0,n.validateType)("FlowType")}},(0,n.default)("QualifiedTypeIdentifier",{visitor:["id","qualification"],aliases:["Flow"],fields:{id:(0,n.validateType)("Identifier"),qualification:(0,n.validateType)("Identifier","QualifiedTypeIdentifier")}},(0,n.default)("StringLiteralTypeAnnotation",{builder:["value"],aliases:["Flow","FlowType"],fields:{value:(0,n.validate)((0,n.assertValueType)("string"))}},(0,n.default)("StringTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("SymbolTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("ThisTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("TupleTypeAnnotation",{visitor:["types"],aliases:["Flow","FlowType"],fields:{types:(0,n.validate)((0,n.arrayOfType)("FlowType"))}},(0,n.default)("TypeofTypeAnnotation",{visitor:["argument"],aliases:["Flow","FlowType"],fields:{argument:(0,n.validateType)("FlowType")}},(0,n.default)("TypeAlias",{visitor:["id","typeParameters","right"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),right:(0,n.validateType)("FlowType")}},(0,n.default)("TypeAnnotation",{aliases:["Flow"],visitor:["typeAnnotation"],fields:

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{typeAnnotation:(0,n.validateType)("FlowType"))}},(0,n.default)("TypeCastExpression",{visitor:["expression","typeAnnotation"],aliases:["Flow","ExpressionWrapper","Expression"],fields:{expression:(0,n.validateType)("Expression"),typeAnnotation:(0,n.validateType)("TypeAnnotation")}}),(0,n.default)("TypeParameter",{aliases:["Flow"],visitor:["bound","default","variance"],fields:{name:(0,n.validate)((0,n.assertValueType)("string")),bound:(0,n.validateOptionalType)("TypeAnnotation"),default:(0,n.validateOptionalType)("FlowType"),variance:(0,n.validateOptionalType)("Variance")}}),(0,n.default)("TypeParameterDeclaration",{aliases:["Flow"],visitor:["params"],fields:{params:(0,n.validate)((0,n.arrayOfType)("TypeParameter"))}}),(0,n.default)("TypeParameterInstantiation",{aliases:["Flow"],visitor:["params"],fields:{params:(0,n.validate)((0,n.arrayOfType)("FlowType"))}}),(0,n.default)("UnionTypeAnnotation",{visitor:["types"],aliases:["Flow","FlowType"],fields:{types:(0,n.validate)((0,n.arrayOfType)("FlowType"))}}),(0,n.default)("Variance",{aliases:["Flow"],builder:["kind"],fields:{kind:(0,n.validate)((0,n.assertOneOf)("minus","plus"))}}),(0,n.default)("VoidTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),
(0,n.default)("EnumDeclaration",{aliases:["Statement","Declaration"],visitor:["id","body"],fields:{id:(0,n.validateType)("Identifier"),body:(0,n.validateType)(["EnumBooleanBody","EnumNumberBody","EnumStringBody","EnumSymbolBody"])}},(0,n.default)("EnumBooleanBody",{aliases:["EnumBody"],visitor:["members"],fields:{explicitType:(0,n.validate)((0,n.assertValueType)("boolean")),members:(0,n.validateArrayOfType)("EnumBooleanMember"),hasUnknownMembers:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("EnumNumberBody",{aliases:["EnumBody"],visitor:["members"],fields:{explicitType:(0,n.validate)((0,n.assertValueType)("boolean")),members:(0,n.validateArrayOfType)("EnumNumberMember"),hasUnknownMembers:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("EnumStringBody",{aliases:["EnumBody"],visitor:["members"],fields:{explicitType:(0,n.validate)((0,n.assertValueType)("boolean")),members:(0,n.validateArrayOfType)(["EnumStringMember","EnumDefaultedMember"]),hasUnknownMembers:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("EnumSymbolBody",{aliases:["EnumBody"],visitor:["members"],fields:{members:(0,n.validateArrayOfType)("EnumDefaultedMember"),hasUnknownMembers:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("EnumBooleanMember",{aliases:["EnumMember"],visitor:["id"],fields:{id:(0,n.validateType)("Identifier"),init:(0,n.validateType)("BooleanLiteral")}}),(0,n.default)("EnumNumberMember",{aliases:["EnumMember"],visitor:["id","init"],fields:{id:(0,n.validateType)("Identifier"),init:(0,n.validateType)("NumericLiteral")}}),(0,n.default)("EnumStringMember",{aliases:["EnumMember"],visitor:["id","init"],fields:{id:(0,n.validateType)("Identifier"),init:(0,n.validateType)("StringLiteral")}}),(0,n.default)("EnumDefaultedMember",{aliases:["EnumMember"],visitor:["id"],fields:{id:(0,n.validateType)("Identifier")}}),(0,n.default)("IndexedAccessType",{visitor:["objectType","indexType"],aliases:["Flow","FlowType"],fields:{objectType:(0,n.validateType)("FlowType"),indexType:(0,n.validateType)("FlowType")}}),(0,n.default)("OptionalIndexedAccessType",{visitor:["objectType","indexType"],aliases:["Flow","FlowType"],fields:{objectType:(0,n.validateType)("FlowType"),indexType:(0,n.validateType)("FlowType"),optional:(0,n.validate)((0,n.assertValueType)("boolean"))}}},function(e,t,r){
"use strict";var
n=r(10);(0,n.default)("JSXAttribute",{visitor:["name","value"],aliases:["JSX","Immutable"],fields:{name:{validate:(0,n.assertNodeType)("JSXIdentifier","JSXNamespacedName")},value:{optional:!0,validate:(0,n.assertNodeType)("JSXElement","JSXFragment","StringLiteral","JSXExpressionContainer")}}),(0,n.default)("JSXClosingElement",{visitor:["name"],aliases:["JSX","Immutable"],fields:{name:{validate:(0,n.assertNodeType)("JSXIdentifier","JSXMemberExpression","JSXNamespacedName")}}),(0,n.default)("JSXElement",{builder:["openingElement","closingElement","children","selfClosing"],visitor:["openingElement","children","closingElement"],aliases:["JSX","Immutable","Expression"],fields:{openingElement:{validate:(0,n.assertNodeType)("JSXOpeningElement")},closingElement:{optional:!0,validate:(0,n.assertNodeType)("JSXClosingElement")},children:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("JSXText","JSXExpressionContainer","JSXSpreadChild","JSXElement","JSXFragment"))},selfClosing:{validate:(0,n.assertValueType)("boolean"),optional:!0}}),(0,n.default)("JSXEmptyExpression",{aliases:["JSX"]}),
(0,n.default)("JSXExpressionContainer",{visitor:["expression"],aliases:["JSX","Immutable"],fields:{expression:{validate:(0,n.assertNodeType)("Expression","JSXEmptyExpression")}}),(0,n.default)("JSXSpreadChild",{visitor:["expression"],aliases:["JSX","Immutable"],fields:{expression:{validate:(0,n.assertNodeType)("Expression")}}),(0,n.default)("JSXIdentifier",{builder:["name"],aliases:["JSX"],fields:{name:{validate:(0,n.assertValueType)("string")}}}},(0,n.default)("JSXMemberExpression",{visitor:["object","property"],

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aliases:["JSX"],fields:{object:{validate:(0,n.assertNodeType)("JSXMemberExpression","JSXIdentifier")},property:
{validate:(0,n.assertNodeType)("JSXIdentifier")}}),(0,n.default)("JSXNamespacedName",{visitor:["namespace","
name"],aliases:["JSX"],fields:{namespace:{validate:(0,n.assertNodeType)("JSXIdentifier")},name:{validate:(0,n.asse
rtNodeType)("JSXIdentifier")}}),(0,n.default)("JSXOpeningElement",{builder:["name","attributes","selfClosing"
],visitor:["name","attributes"],aliases:["JSX","Immutable"],fields:{name:{validate:(0,n.assertNodeType)("JSXIdenti
fier","JSXMemberExpression","JSXNamespacedName")},selfClosing:{default:!1},attributes:{validate:(0,n.chain)((
0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("JSXAttribute","JSXSpreadAttribute"))}),type
Parameters:{validate:(0,n.assertNodeType)("TypeParameterInstantiation","TSTypeParameterInstantiation"),optional
:!0}}),(0,n.default)("JSXSpreadAttribute",{visitor:["argument"],aliases:["JSX"],fields:{argument:{validate:(0,n.asse
rtNodeType)("Expression")}}),(0,n.default)("JSXText",{aliases:["JSX","Immutable"],builder:["value"],fields:{va
lue:{validate:(0,n.assertValueType)("string")}}),(0,n.default)("JSXFragment",{builder:["openingFragment","closi
ngFragment","children"],visitor:["openingFragment","children","closingFragment"],aliases:["JSX","Immutable","Ex
pression"],fields:{openingFragment:{validate:(0,n.assertNodeType)("JSXOpeningFragment")},closingFragment:{v
alidate:(0,n.assertNodeType)("JSXClosingFragment")},children:{validate:(0,n.chain)((0,n.assertValueType)("array"
),(0,n.assertEach)((0,n.assertNodeType)("JSXText","JSXExpressionContainer","JSXSpreadChild","JSXElement","J
SXFragment"))}}),(0,n.default)("JSXOpeningFragment",{aliases:["JSX","Immutable"]}),0,n.default)("JSXClosi
ngFragment",{aliases:["JSX","Immutable"]}),function(e,t,r){"use strict";var
n=r(10),i=r(105);(0,n.default)("Noop",{visitor:[]}),0,n.default)("Placeholder",{visitor:[],builder:["expectedNode","
name"],fields:{name:{validate:(0,n.assertNodeType)("Identifier")},expectedNode:{validate:(0,n.assertOneOf)(...i.P
LACEHOLDERS)}}),(0,n.default)("V8IntrinsicIdentifier",{builder:["name"],fields:{name:{validate:(0,n.assertVal
ueType)("string")}}}),function(e,t,r){"use strict";var
n=r(10),i=r(55);(0,n.default)("ArgumentPlaceholder",{}),0,n.default)("BindExpression",{visitor:["object","callee"],
aliases:["Expression"],fields:process.env.BABEL_TYPES_8_BREAKING?{object:{validate:(0,n.assertNodeType)("
Expression")},callee:{validate:(0,n.assertNodeType)("Expression")}}:{object:{validate:Object.assign(=>{}},{one
OfNodeTypes:["Expression"]})},callee:{validate:Object.assign(=>{}},{oneOfNodeTypes:["Expression"]})}}),(0,
n.default)("ClassProperty",{visitor:["key","value","typeAnnotation","decorators"],builder:["key","value","typeAnno
tation","decorators","computed","static"],aliases:["Property"],fields:Object.assign({},i.classMethodOrPropertyCom
mon,{value:{validate:(0,n.assertNodeType)("Expression"),optional:!0},definite:{validate:(0,n.assertValueType)("bo
olean"),optional:!0},typeAnnotation:{validate:(0,n.assertNodeType)("TypeAnnotation","TSTypeAnnotation","Noop"
),optional:!0},decorators:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeTyp
e)("Decorator"))),optional:!0},readonly:{validate:(0,n.assertValueType)("boolean"),optional:!0},declare:{validate:(
0,n.assertValueType)("boolean"),optional:!0}}),(0,n.default)("PipelineTopicExpression",{builder:["expression"],v
isitor:["expression"],fields:{expression:{validate:(0,n.assertNodeType)("Expression")}}),(0,n.default)("PipelineBa
reFunction",{builder:["callee"],visitor:["callee"],fields:{callee:{validate:(0,n.assertNodeType)("Expression")}}),(0,
n.default)("PipelinePrimaryTopicReference",{aliases:["Expression"]}),0,n.default)("ClassPrivateProperty",{visitor:
["key","value","decorators"],builder:["key","value","decorators","static"],aliases:["Property","Private"],fields:{key:{
validate:(0,n.assertNodeType)("PrivateName")},value:{validate:(0,n.assertNodeType)("Expression"),optional:!0},ty
peAnnotation:{validate:(0,n.assertNodeType)("TypeAnnotation","TSTypeAnnotation","Noop"),optional:!0},decorat
ors:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("Decorator"))),optio
nal:!0}}),(0,n.default)("ClassPrivateMethod",{builder:["kind","key","params","body","static"],visitor:["key","para
ms","body","decorators","returnType","typeParameters"],aliases:["Function","Scopable","BlockParent","FunctionPa
rent","Method","Private"],fields:Object.assign({},i.classMethodOrDeclareMethodCommon,i.functionTypeAnnotati
onCommon,{key:{validate:(0,n.assertNodeType)("PrivateName")},body:{validate:(0,n.assertNodeType)("BlockStat
ement")}}),(0,n.default)("ImportAttribute",{visitor:["key","value"],fields:{key:{validate:(0,n.assertNodeType)("I
dentifier","StringLiteral")},value:{validate:(0,n.assertNodeType)("StringLiteral")}}),(0,n.default)("Decorator",{vis
itor:["expression"],fields:{expression:{validate:(0,n.assertNodeType)("Expression")}}),(0,n.default)("DoExpressio
n",{visitor:["body"],builder:["body","async"],aliases:["Expression"],fields:{body:{validate:(0,n.assertNodeType)("B
lockStatement")},async:{validate:(0,n.assertValueType)("boolean"),default:!1}}),(0,n.default)("ExportDefaultSpec

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ifier", { visitor: ["exported"], aliases: ["ModuleSpecifier"], fields: { exported: { validate: (0, n.assertNodeType)("Identifier"
) } } }, (0, n.default)("PrivateName", { visitor: ["id"], aliases: ["Private"], fields: { id: { validate: (0, n.assertNodeType)("Ident
ifier") } } } }, (0, n.default)("RecordExpression", { visitor: ["properties"], aliases: ["Expression"], fields: { properties: { validat
e: (0, n.chain)((0, n.assertValueType)("array"), (0, n.assertEach)((0, n.assertNodeType)("ObjectProperty", "SpreadElement"
)))) } } }, (0, n.default)("TupleExpression", { fields: { elements: { validate: (0, n.chain)((0, n.assertValueType)("array"), (0
, n.assertEach)((0, n.assertNodeType)("Expression", "SpreadElement")) }, default: [] } }, visitor: ["elements"], aliases: ["Ex
pression"] } }, (0, n.default)("DecimalLiteral", { builder: ["value"], fields: { value: { validate: (0, n.assertValueType)("string"
) } }, aliases: ["Expression", "Pureish", "Literal", "Immutable"] } }, (0, n.default)("StaticBlock", { visitor: ["body"], fields: { bo
dy: { validate: (0, n.chain)((0, n.assertValueType)("array"), (0, n.assertEach)((0, n.assertNodeType)("Statement")) } }, alia
ses: ["Scopable", "BlockParent"] } }, (0, n.default)("ModuleExpression", { visitor: ["body"], fields: { body: { validate: (0, n.as
sertNodeType)("Program") } }, aliases: ["Expression"] } } }, function(e, t, r) { "use strict"; var n = r(10), i = r(55); const
s = (0, n.assertValueType)("boolean"), a = { returnType: { validate: (0, n.assertNodeType)("TSTypeAnnotation", "Noop"), optional: !0 }, typeParameters: { validate: (0, n.assertNodeType)("TSTypeParameterDeclaration", "Noop"), optional: !0 } }; (0, n.default)("TSPParameterProperty", { aliases: ["LVal"], visitor: ["parameter"], fields: { accessibility: { validate: (0, n.assertOneOf)("public", "private", "protected"), optional: !0 }, readonly: { validate: (0, n.assertValueType)("boolean"), optional: !0 }, parameter: { validate: (0, n.assertNodeType)("Identifier", "AssignmentPattern") } } } }, (0, n.default)("TSDeclareFunction", { aliases: ["Statement", "Declaration"], visitor: ["id", "typeParameters", "params", "returnType"], fields: Object.assign({ }, i.functionDeclarationCommon, a) }, (0, n.default)("TSDeclareMethod", { visitor: ["decorators", "key", "typeParameters", "params", "returnType"], fields: Object.assign({ }, i.classMethodOrDeclareMethodCommon, a) }, (0, n.default)("TSQualifiedName", { aliases: ["TSEntityName"], visitor: ["left", "right"], fields: { left: (0, n.validateType)("TSEntityName"), right: (0, n.validateType)("Identifier") } } }); const
o = { typeParameters: (0, n.validateOptionalType)("TSTypeParameterDeclaration"), parameters: (0, n.validateArrayOfType)("Identifier", "RestElement"), typeAnnotation: (0, n.validateOptionalType)("TSTypeAnnotation") }, l = { aliases: ["TSTypeElement"], visitor: ["typeParameters", "parameters", "typeAnnotation"], fields: o }; (0, n.default)("TSCallSignatureDeclaration", l), (0, n.default)("TSConstructSignatureDeclaration", l); const
c = { key: (0, n.validateType)("Expression"), computed: (0, n.validate)(s), optional: (0, n.validateOptional)(s) }; (0, n.default)("TSPropertySignature", { aliases: ["TSTypeElement"], visitor: ["key", "typeAnnotation", "initializer"], fields: Object.assign({ }, c, { readonly: (0, n.validateOptional)(s), typeAnnotation: (0, n.validateOptionalType)("TSTypeAnnotation"), initializer: (0, n.validateOptionalType)("Expression") } } }, (0, n.default)("TSMethodSignature", { aliases: ["TSTypeElement"], visitor: ["key", "typeParameters", "parameters", "typeAnnotation"], fields: Object.assign({ }, o, c, { kind: { validate: (0, n.assertOneOf)("method", "get", "set") } } } }, (0, n.default)("TSIndexSignature", { aliases: ["TSTypeElement"], visitor: ["parameters", "typeAnnotation"], fields: { readonly: (0, n.validateOptional)(s), static: (0, n.validateOptional)(s), parameters: (0, n.validateArrayOfType)("Identifier"), typeAnnotation: (0, n.validateOptionalType)("TSTypeAnnotation") } } }); const
p = ["TSAnyKeyword", "TSBooleanKeyword", "TSBigIntKeyword", "TSIntrinsicKeyword", "TSNeverKeyword", "TSNullKeyword", "TSNumberKeyword", "TSObjectKeyword", "TSStringKeyword", "TSSymbolKeyword", "TSUndefinedKeyword", "TSUnknownKeyword", "TSVoidKeyword"]; for (const e of
p) (0, n.default)(e, { aliases: ["TSType", "TSBaseType"], visitor: [], fields: { } }); (0, n.default)("TSThisType", { aliases: ["TSType", "TSBaseType"], visitor: [], fields: { } }); const
u = { aliases: ["TSType"], visitor: ["typeParameters", "parameters", "typeAnnotation"] }; (0, n.default)("TSFunctionType", Object.assign({ }, u, { fields: o } }, (0, n.default)("TSConstructorType", Object.assign({ }, u, { fields: Object.assign({ }, o, { abstract: (0, n.validateOptional)(s) } } } }, (0, n.default)("TSTypeReference", { aliases: ["TSType"], visitor: ["typeName", "typeParameters"], fields: { typeName: (0, n.validateType)("TSEntityName"), typeParameters: (0, n.validateOptionalType)("TSTypeParameterInstantiation") } } }, (0, n.default)("TSTypePredicate", { aliases: ["TSType"], visitor: ["parameterName", "typeAnnotation"], builder: ["parameterName", "typeAnnotation", "asserts"], fields: { parameterName: (0, n.validateType)("Identifier", "TSThisType"), typeAnnotation: (0, n.validateOptionalType)("TSTypeAnnotation"), asserts: (0, n.validateOptional)(s) } } }, (0, n.default)("TSTypeQuery", { aliases: ["TSType"], visitor: ["exprName"], fields: { exprName: (0, n.validateType)("TSEntityName", "TSImportType") } } }, (0, n.default)("TSTypeLiteral", { aliases: ["TSType"], visitor: ["members"], fields: { members: (0, n.validateArrayOfType)("TSTypeElement") } } }, (0, n.default)("TSArrayType", { aliases:

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["TSType"],visitor:["elementType"],fields:{elementType:(0,n.validateType)("TSType"))}),
(0,n.default)("TSTupleType",{aliases:["TSType"],visitor:["elementTypes"],fields:{elementTypes:(0,n.validateArrayOfType)("TSType","TSNamedTupleMember"))}),
(0,n.default)("TSOptionalType",{aliases:["TSType"],visitor:["typeAnnotation"],fields:{typeAnnotation:(0,n.validateType)("TSType"))}),
(0,n.default)("TSRestType",{aliases:["TSType"],visitor:["typeAnnotation"],fields:{typeAnnotation:(0,n.validateType)("TSType"))}),
(0,n.default)("TSNamedTupleMember",{visitor:["label","elementType"],builder:["label","elementType","optional"],fields:{label:(0,n.validateType)("Identifier"),optional:{validate:s,default:!1},elementType:(0,n.validateType)("TSType")});const d={aliases:["TSType"],visitor:["types"],fields:{types:(0,n.validateArrayOfType)("TSType")});
(0,n.default)("TSUnionType",d),(0,n.default)("TSIntersectionType",d),(0,n.default)("TSConditionalType",{aliases:["TSType"],visitor:["checkType","extendsType","trueType","falseType"],fields:{checkType:(0,n.validateType)("TSType"),extendsType:(0,n.validateType)("TSType"),trueType:(0,n.validateType)("TSType"),falseType:(0,n.validateType)("TSType")}),
(0,n.default)("TSInferType",{aliases:["TSType"],visitor:["typeParameter"],fields:{typeParameter:(0,n.validateType)("TSTypeParameter"))}),
(0,n.default)("TSParenthesizedType",{aliases:["TSType"],visitor:["typeAnnotation"],fields:{typeAnnotation:(0,n.validateType)("TSType")}),
(0,n.default)("TSTypeOperator",{aliases:["TSType"],visitor:["typeAnnotation"],fields:{operator:(0,n.validate)((0,n.assertValueType)("string")),typeAnnotation:(0,n.validateType)("TSType")}),
(0,n.default)("TSIndexedAccessType",{aliases:["TSType"],visitor:["objectType","indexType"],fields:{objectType:(0,n.validateType)("TSType"),indexType:(0,n.validateType)("TSType")}),
(0,n.default)("TSMappedType",{aliases:["TSType"],visitor:["typeParameter","typeAnnotation","nameType"],fields:{readonly:(0,n.validateOptional)(s),typeParameter:(0,n.validateType)("TSTypeParameter"),optional:(0,n.validateOptional)(s),typeAnnotation:(0,n.validateOptionalType)("TSType"),nameType:(0,n.validateOptionalType)("TSType")}),
(0,n.default)("TSLiteralType",{aliases:["TSType","TSBaseType"],visitor:["literal"],fields:{literal:(0,n.validateType)(["NumericLiteral","StringLiteral","BooleanLiteral","BigIntLiteral"])}),
(0,n.default)("TSExpressionWithTypeArguments",{aliases:["TSType"],visitor:["expression","typeParameters"],fields:{expression:(0,n.validateType)("TSEntityName"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterInstantiation")}),
(0,n.default)("TSInterfaceDeclaration",{aliases:["Statement","Declaration"],visitor:["id","typeParameters","extends","body"],fields:{declare:(0,n.validateOptional)(s),id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterDeclaration"),extends:(0,n.validateOptional)((0,n.arrayOfType)("TSExpressionWithTypeArguments")),body:(0,n.validateType)("TSInterfaceBody")}),
(0,n.default)("TSInterfaceBody",{visitor:["body"],fields:{body:(0,n.validateArrayOfType)("TSTypeElement")}),
(0,n.default)("TSTypeAliasDeclaration",{aliases:["Statement","Declaration"],visitor:["id","typeParameters","typeAnnotation"],fields:{declare:(0,n.validateOptional)(s),id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterDeclaration"),typeAnnotation:(0,n.validateType)("TSType")}),
(0,n.default)("TSAsExpression",{aliases:["Expression"],visitor:["expression","typeAnnotation"],fields:{expression:(0,n.validateType)("Expression"),typeAnnotation:(0,n.validateType)("TSType")}),
(0,n.default)("TSTypeAssertion",{aliases:["Expression"],visitor:["typeAnnotation","expression"],fields:{typeAnnotation:(0,n.validateType)("TSType"),expression:(0,n.validateType)("Expression")}),
(0,n.default)("TSEnumDeclaration",{aliases:["Statement","Declaration"],visitor:["id","members"],fields:{declare:(0,n.validateOptional)(s),const:(0,n.validateOptional)(s),id:(0,n.validateType)("Identifier"),members:(0,n.validateArrayOfType)("TSEnumMember"),initializer:(0,n.validateOptionalType)("Expression")}),
(0,n.default)("TSEnumMember",{visitor:["id","initializer"],fields:{id:(0,n.validateType)(["Identifier","StringLiteral"]),initializer:(0,n.validateOptionalType)("Expression")}),
(0,n.default)("TSModuleDeclaration",{aliases:["Statement","Declaration"],visitor:["id","body"],fields:{declare:(0,n.validateOptional)(s),global:(0,n.validateOptional)(s),id:(0,n.validateType)(["Identifier","StringLiteral"]),body:(0,n.validateType)(["TSModuleBlock","TSModuleDeclaration"])}),
(0,n.default)("TSModuleBlock",{aliases:["Scopable","Block","BlockParent"],visitor:["body"],fields:{body:(0,n.validateArrayOfType)("Statement")}),
(0,n.default)("TSImportType",{aliases:["TSType"],visitor:["argument","qualifier","typeParameters"],fields:{argument:(0,n.validateType)("StringLiteral"),qualifier:(0,n.validateOptionalType)("TSEntityName"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterInstantiation")}),
(0,n.default)("TSImportEqualsDeclaration",{aliases:["Statement"],visitor:["id","moduleReference"],fields:{isExport:(0,n.validate)(s),id:(0,n.validateType)("Identifier"),moduleReference:(0,n.validateType)(["TSEntityName","TSExternalModuleReference"])}),
(0,n.default)("TSExternalModuleReference",{visitor:["expression"],fields:{expr

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ession:(0,n.validateType)("StringLiteral")))),(0,n.default)("TSNonNullExpression",{aliases:["Expression"],visitor:["expression"],fields:{expression:(0,n.validateType)("Expression"))}),((0,n.default)("TSExportAssignment",{aliases:["Statement"],visitor:["expression"],fields:{expression:(0,n.validateType)("Expression"))}),((0,n.default)("TSNamespaceExportDeclaration",{aliases:["Statement"],visitor:["id"],fields:{id:(0,n.validateType)("Identifier"))}),((0,n.default)("TSTypeAnnotation",{visitor:["typeAnnotation"],fields:{typeAnnotation:{validate:(0,n.assertNodeType)("TSType")}}}),((0,n.default)("TSTypeParameterInstantiation",{visitor:["params"],fields:{params:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("TSType"))}}}),((0,n.default)("TSTypeParameterDeclaration",{visitor:["params"],fields:{params:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("TSTypeParameter"))}}}),((0,n.default)("TSTypeParameter",{builder:["constraint","default","name"],visitor:["constraint","default"],fields:{name:{validate:(0,n.assertValueType)("string")},constraint:{validate:(0,n.assertNodeType)("TSType"),optional:!0},default:{validate:(0,n.assertNodeType)("TSType"),optional:!0}}}),function(e,t,r){
use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if(!(0,n.default)(e)){var t;const r=null!==(t=null===e?void 0:e.type)?t.JSON.stringify(e):throw new TypeError("Not a valid node of type
"${r}")");var n=r(106)},function(e,t,r){
use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.assertArrayExpression=function(e,t){i("ArrayExpression",e,t)},t.assertAssignmentExpression=function(e,t){i("AssignmentExpression",e,t)},t.assertBinaryExpression=function(e,t){i("BinaryExpression",e,t)},t.assertInterpreterDirective=function(e,t){i("InterpreterDirective",e,t)},t.assertDirective=function(e,t){i("Directive",e,t)},t.assertDirectiveLiteral=function(e,t){i("DirectiveLiteral",e,t)},t.assertBlockStatement=function(e,t){i("BlockStatement",e,t)},t.assertBreakStatement=function(e,t){i("BreakStatement",e,t)},t.assertCallExpression=function(e,t){i("CallExpression",e,t)},t.assertCatchClause=function(e,t){i("CatchClause",e,t)},t.assertConditionalExpression=function(e,t){i("ConditionalExpression",e,t)},t.assertContinueStatement=function(e,t){i("ContinueStatement",e,t)},t.assertDebuggerStatement=function(e,t){i("DebuggerStatement",e,t)},t.assertDoWhileStatement=function(e,t){i("DoWhileStatement",e,t)},t.assertEmptyStatement=function(e,t){i("EmptyStatement",e,t)},t.assertExpressionStatement=function(e,t){i("ExpressionStatement",e,t)},t.assertFile=function(e,t){i("File",e,t)},t.assertForInStatement=function(e,t){i("ForInStatement",e,t)},t.assertForStatement=function(e,t){i("ForStatement",e,t)},t.assertFunctionDeclaration=function(e,t){i("FunctionDeclaration",e,t)},t.assertFunctionExpression=function(e,t){i("FunctionExpression",e,t)},t.assertIdentifier=function(e,t){i("Identifier",e,t)},t.assertIfStatement=function(e,t){i("IfStatement",e,t)},t.assertLabeledStatement=function(e,t){i("LabeledStatement",e,t)},t.assertStringLiteral=function(e,t){i("StringLiteral",e,t)},t.assertNumericLiteral=function(e,t){i("NumericLiteral",e,t)},t.assertNullLiteral=function(e,t){i("NullLiteral",e,t)},t.assertBooleanLiteral=function(e,t){i("BooleanLiteral",e,t)},t.assertRegExpLiteral=function(e,t){i("RegExpLiteral",e,t)},t.assertLogicalExpression=function(e,t){i("LogicalExpression",e,t)},t.assertMemberExpression=function(e,t){i("MemberExpression",e,t)},t.assertNewExpression=function(e,t){i("NewExpression",e,t)},t.assertProgram=function(e,t){i("Program",e,t)},t.assertObjectExpression=function(e,t){i("ObjectExpression",e,t)},t.assertObjectMethod=function(e,t){i("ObjectMethod",e,t)},t.assertObjectProperty=function(e,t){i("ObjectProperty",e,t)},t.assertRestElement=function(e,t){i("RestElement",e,t)},t.assertReturnStatement=function(e,t){i("ReturnStatement",e,t)},t.assertSequenceExpression=function(e,t){i("SequenceExpression",e,t)},t.assertParenthesizedExpression=function(e,t){i("ParenthesizedExpression",e,t)},t.assertSwitchCase=function(e,t){i("SwitchCase",e,t)},t.assertSwitchStatement=function(e,t){i("SwitchStatement",e,t)},t.assertThisExpression=function(e,t){i("ThisExpression",e,t)},t.assertThrowStatement=function(e,t){i("ThrowStatement",e,t)},t.assertTryStatement=function(e,t){i("TryStatement",e,t)},t.assertUnaryExpression=function(e,t){i("UnaryExpression",e,t)},t.assertUpdateExpression=function(e,t){i("UpdateExpression",e,t)},t.assertVariableDeclaration=function(e,t){i("VariableDeclaration",e,t)},t.assertVariableDeclarator=function(e,t){i("VariableDeclarator",e,t)},t.assertWhileStatement=function(e,t){i("WhileStatement",e,t)},t.assertWithStatement=function(e,t){i("WithStatement",e,t)},t.assertAssignmentPattern=function(e,t){i("AssignmentPattern",e,t)},t.assertArrayPattern=function(e,t){i("ArrayPattern",e,t)},t.assertArrowFunctionExpression=function(e,t){i("ArrowFunctionExpression",e,t)},t.assertClassBody=function(e,t){i("ClassBody",e,t)},t.assertClassExpression=function(e,t){i("ClassExpression",e,t)},t.assertClassDeclaration=function(e,t){i("ClassDeclaration",e,t)},t.assertExportAllDeclaration=function(e,t){i("ExportAllDeclaration",e,t)},t.assertExportDefaultDeclaration=function(e,t){i("Export

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DefaultDeclaration",e,t)},t.assertExportNamedDeclaration=function(e,t){i("ExportNamedDeclaration",e,t)},t.assertExportSpecifier=function(e,t){i("ExportSpecifier",e,t)},t.assertForOfStatement=function(e,t){i("ForOfStatement",e,t)},t.assertImportDeclaration=function(e,t){i("ImportDeclaration",e,t)},t.assertImportDefaultSpecifier=function(e,t){i("ImportDefaultSpecifier",e,t)},t.assertImportNamespaceSpecifier=function(e,t){i("ImportNamespaceSpecifier",e,t)},t.assertImportSpecifier=function(e,t){i("ImportSpecifier",e,t)},t.assertMetaProperty=function(e,t){i("MetaProperty",e,t)},t.assertClassMethod=function(e,t){i("ClassMethod",e,t)},t.assertObjectPattern=function(e,t){i("ObjectPattern",e,t)},t.assertSpreadElement=function(e,t){i("SpreadElement",e,t)},t.assertSuper=function(e,t){i("Super",e,t)},t.assertTaggedTemplateExpression=function(e,t){i("TaggedTemplateExpression",e,t)},t.assertTemplateElement=function(e,t){i("TemplateElement",e,t)},t.assertTemplateLiteral=function(e,t){i("TemplateLiteral",e,t)},t.assertYieldExpression=function(e,t){i("YieldExpression",e,t)},t.assertAwaitExpression=function(e,t){i("AwaitExpression",e,t)},t.assertImport=function(e,t){i("Import",e,t)},t.assertBigIntLiteral=function(e,t){i("BigIntLiteral",e,t)},t.assertExportNamespaceSpecifier=function(e,t){i("ExportNamespaceSpecifier",e,t)},t.assertOptionalMemberExpression=function(e,t){i("OptionalMemberExpression",e,t)},t.assertOptionalCallExpression=function(e,t){i("OptionalCallExpression",e,t)},t.assertAnyTypeAnnotation=function(e,t){i("AnyTypeAnnotation",e,t)},t.assertArrayTypeAnnotation=function(e,t){i("ArrayTypeAnnotation",e,t)},t.assertBooleanTypeAnnotation=function(e,t){i("BooleanTypeAnnotation",e,t)},t.assertBooleanLiteralTypeAnnotation=function(e,t){i("BooleanLiteralTypeAnnotation",e,t)},t.assertNullLiteralTypeAnnotation=function(e,t){i("NullLiteralTypeAnnotation",e,t)},t.assertClassImplements=function(e,t){i("ClassImplements",e,t)},t.assertDeclareClass=function(e,t){i("DeclareClass",e,t)},t.assertDeclareFunction=function(e,t){i("DeclareFunction",e,t)},t.assertDeclareInterface=function(e,t){i("DeclareInterface",e,t)},t.assertDeclareModule=function(e,t){i("DeclareModule",e,t)},t.assertDeclareModuleExports=function(e,t){i("DeclareModuleExports",e,t)},t.assertDeclareTypeAlias=function(e,t){i("DeclareTypeAlias",e,t)},t.assertDeclareOpaqueType=function(e,t){i("DeclareOpaqueType",e,t)},t.assertDeclareVariable=function(e,t){i("DeclareVariable",e,t)},t.assertDeclareExportDeclaration=function(e,t){i("DeclareExportDeclaration",e,t)},t.assertDeclareExportAllDeclaration=function(e,t){i("DeclareExportAllDeclaration",e,t)},t.assertDeclaredPredicate=function(e,t){i("DeclaredPredicate",e,t)},t.assertExistsTypeAnnotation=function(e,t){i("ExistsTypeAnnotation",e,t)},t.assertFunctionTypeAnnotation=function(e,t){i("FunctionTypeAnnotation",e,t)},t.assertFunctionTypeParam=function(e,t){i("FunctionTypeParam",e,t)},t.assertGenericTypeAnnotation=function(e,t){i("GenericTypeAnnotation",e,t)},t.assertInferredPredicate=function(e,t){i("InferredPredicate",e,t)},t.assertInterfaceExtends=function(e,t){i("InterfaceExtends",e,t)},t.assertInterfaceDeclaration=function(e,t){i("InterfaceDeclaration",e,t)},t.assertInterfaceTypeAnnotation=function(e,t){i("InterfaceTypeAnnotation",e,t)},t.assertIntersectionTypeAnnotation=function(e,t){i("IntersectionTypeAnnotation",e,t)},t.assertMixedTypeAnnotation=function(e,t){i("MixedTypeAnnotation",e,t)},t.assertEmptyTypeAnnotation=function(e,t){i("EmptyTypeAnnotation",e,t)},t.assertNullableTypeAnnotation=function(e,t){i("NullableTypeAnnotation",e,t)},t.assertNumberLiteralTypeAnnotation=function(e,t){i("NumberLiteralTypeAnnotation",e,t)},t.assertNumberTypeAnnotation=function(e,t){i("NumberTypeAnnotation",e,t)},t.assertObjectTypeAnnotation=function(e,t){i("ObjectTypeAnnotation",e,t)},t.assertObjectTypeInternalSlot=function(e,t){i("ObjectTypeInternalSlot",e,t)},t.assertObjectTypeCallProperty=function(e,t){i("ObjectTypeCallProperty",e,t)},t.assertObjectTypeIndexer=function(e,t){i("ObjectTypeIndexer",e,t)},t.assertObjectTypeProperty=function(e,t){i("ObjectTypeProperty",e,t)},t.assertObjectTypeSpreadProperty=function(e,t){i("ObjectTypeSpreadProperty",e,t)},t.assertOpaqueType=function(e,t){i("OpaqueType",e,t)},t.assertQualifiedTypeIdentifier=function(e,t){i("QualifiedTypeIdentifier",e,t)},t.assertStringLiteralTypeAnnotation=function(e,t){i("StringLiteralTypeAnnotation",e,t)},t.assertStringTypeAnnotation=function(e,t){i("StringTypeAnnotation",e,t)},t.assertSymbolTypeAnnotation=function(e,t){i("SymbolTypeAnnotation",e,t)},t.assertThisTypeAnnotation=function(e,t){i("ThisTypeAnnotation",e,t)},t.assertTupleTypeAnnotation=function(e,t){i("TupleTypeAnnotation",e,t)},t.assertTypeofTypeAnnotation=function(e,t){i("TypeofTypeAnnotation",e,t)},t.assertTypeAlias=function(e,t){i("TypeAlias",e,t)},t.assertTypeAnnotation=function(e,t){i("TypeAnnotation",e,t)},t.assertTypeCastExpression=function(e,t){i("TypeCastExpression",e,t)},t.assertTypeParameter=functi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t){i("EnumDeclaration",e,t)},t.assertEnumBooleanBody=function(e,t){i("EnumBooleanBody",e,t)},t.assertEnumNumberBody=function(e,t){i("EnumNumberBody",e,t)},t.assertEnumStringBody=function(e,t){i("EnumStringBody",e,t)},t.assertEnumSymbolBody=function(e,t){i("EnumSymbolBody",e,t)},t.assertEnumBooleanMember=function(e,t){i("EnumBooleanMember",e,t)},t.assertEnumNumberMember=function(e,t){i("EnumNumberMember",e,t)},t.assertEnumStringMember=function(e,t){i("EnumStringMember",e,t)},t.assertEnumDefaultedMember=function(e,t){i("EnumDefaultedMember",e,t)},t.assertIndexedAccessType=function(e,t){i("IndexedAccessType",e,t)},t.assertOptionalIndexedAccessType=function(e,t){i("OptionalIndexedAccessType",e,t)},t.assertJSXAttribute=function(e,t){i("JSXAttribute",e,t)},t.assertJSXClosingElement=function(e,t){i("JSXClosingElement",e,t)},t.assertJSXElement=function(e,t){i("JSXElement",e,t)},t.assertJSXEmptyExpression=function(e,t){i("JSXEmptyExpression",e,t)},t.assertJSXExpressionContainer=function(e,t){i("JSXExpressionContainer",e,t)},t.assertJSXSpreadChild=function(e,t){i("JSXSpreadChild",e,t)},t.assertJSXIdentifier=function(e,t){i("JSXIdentifier",e,t)},t.assertJSXMemberExpression=function(e,t){i("JSXMemberExpression",e,t)},t.assertJSXNamespacedName=function(e,t){i("JSXNamespacedName",e,t)},t.assertJSXOpeningElement=function(e,t){i("JSXOpeningElement",e,t)},t.assertJSXSpreadAttribute=function(e,t){i("JSXSpreadAttribute",e,t)},t.assertJSXText=function(e,t){i("JSXText",e,t)},t.assertJSXFragment=function(e,t){i("JSXFragment",e,t)},t.assertJSXOpeningFragment=function(e,t){i("JSXOpeningFragment",e,t)},t.assertJSXClosingFragment=function(e,t){i("JSXClosingFragment",e,t)},t.assertNoop=function(e,t){i("Noop",e,t)},t.assertPlaceholder=function(e,t){i("Placeholder",e,t)},t.assertV8IntrinsicIdentifier=function(e,t){i("V8IntrinsicIdentifier",e,t)},t.assertArgumentPlaceholder=function(e,t){i("ArgumentPlaceholder",e,t)},t.assertBindExpression=function(e,t){i("BindExpression",e,t)},t.assertClassProperty=function(e,t){i("ClassProperty",e,t)},t.assertPipelineTopicExpression=function(e,t){i("PipelineTopicExpression",e,t)},t.assertPipelineBareFunction=function(e,t){i("PipelineBareFunction",e,t)},t.assertPipelinePrimaryTopicReference=function(e,t){i("PipelinePrimaryTopicReference",e,t)},t.assertClassPrivateProperty=function(e,t){i("ClassPrivateProperty",e,t)},t.assertClassPrivateMethod=function(e,t){i("ClassPrivateMethod",e,t)},t.assertImportAttribute=function(e,t){i("ImportAttribute",e,t)},t.assertDecorator=function(e,t){i("Decorator",e,t)},t.assertDoExpression=function(e,t){i("DoExpression",e,t)},t.assertExportDefaultSpecifier=function(e,t){i("ExportDefaultSpecifier",e,t)},t.assertPrivateName=function(e,t){i("PrivateName",e,t)},t.assertRecordExpression=function(e,t){i("RecordExpression",e,t)},t.assertTupleExpression=function(e,t){i("TupleExpression",e,t)},t.assertDecimalLiteral=function(e,t){i("DecimalLiteral",e,t)},t.assertStaticBlock=function(e,t){i("StaticBlock",e,t)},t.assertModuleExpression=function(e,t){i("ModuleExpression",e,t)},t.assertTSParameterProperty=function(e,t){i("TSParameterProperty",e,t)},t.assertTSDeclareFunction=function(e,t){i("TSDeclareFunction",e,t)},t.assertTSDeclareMethod=function(e,t){i("TSDeclareMethod",e,t)},t.assertTSQualifiedName=function(e,t){i("TSQualifiedName",e,t)},t.assertTSCallSignatureDeclaration=function(e,t){i("TSCallSignatureDeclaration",e,t)},t.assertTSConstructSignatureDeclaration=function(e,t){i("TSConstructSignatureDeclaration",e,t)},t.assertTSPropertySignature=function(e,t){i("TSPropertySignature",e,t)},t.assertTSMethodSignature=function(e,t){i("TSMethodSignature",e,t)},t.assertTSIndexSignature=function(e,t){i("TSIndexSignature",e,t)},t.assertTSAnyKeyword=function(e,t){i("TSAnyKeyword",e,t)},t.assertTSBooleanKeyword=function(e,t){i("TSBooleanKeyword",e,t)},t.assertTSBigIntKeyword=function(e,t){i("TSBigIntKeyword",e,t)},t.assertTSIntrinsicKeyword=function(e,t){i("TSIntrinsicKeyword",e,t)},t.assertTSNeverKeyword=function(e,t){i("TSNeverKeyword",e,t)},t.assertTSNullKeyword=function(e,t){i("TSNullKeyword",e,t)},t.assertTSNumberKeyword=function(e,t){i("TSNumberKeyword",e,t)},t.assertTSObjectKeyword=function(e,t){i("TSObjectKeyword",e,t)},t.assertTSStringKeyword=function(e,t){i("TSStringKeyword",e,t)},t.assertTSSymbolKeyword=function(e,t){i("TSSymbolKeyword",e,t)},t.assertTSUndefinedKeyword=function(e,t){i("TSUndefinedKeyword",e,t)},t.assertTSUnknownKeyword=function(e,t){i("TSUnknownKeyword",e,t)},t.assertTSVoidKeyword=function(e,t){i("TSVoidKeyword",e,t)},t.assertTSThisType=function(e,t){i("TSThisType",e,t)},t.assertTSFunctionType=function(e,t){i("TSFunctionType",e,t)},t.assertTSConstructorType=function(e,t){i("TSConstructorType",e,t)},t.assertTSTypeReference=function(e,t){i("TSTypeReference",e,t)},t.assertTSTypePredicate=function(e,t){i("TSTypePredicate",e,t)},t.assertTSTypeQuery=function(e,t){i("TSTypeQuery",e,t)},t.assertTSTypeLiteral=function(e,t){i("TSTypeLiteral",e,t)},t.assertTSArrayType=function(e,t){i("TSArrayType",e,t)},t.assertTSTupleType=function(e,t){i("TSTupleType",e,t)},t.assertTSOptionalType=function(e,t){i("TSOptionalType",e,t)},t.assertTSRestType=function(e,t){i("TSRestType",e,t)},t.assertTSNamedTupleMember=function(e,t){i("TSNamedTupleMember",e,t)},t.assertTSUnionType=function(e,t){i("TSUnionType",e,t)}

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function(e,t){i("TSConditionalType",e,t)},t.assertTSInferType=function(e,t){i("TSInferType",e,t)},t.assertTSParenthesizedType=
function(e,t){i("TSParenthesizedType",e,t)},t.assertTSTypeOperator=function(e,t){i("TSTypeOperator",e,t)},t.assertTSIndexedAccessType=
function(e,t){i("TSIndexedAccessType",e,t)},t.assertTSMappedType=function(e,t){i("TSMappedType",e,t)},t.assertTSLiteralType=function(e,t){i("TSLiteralType",e,t)},t.assertTSExpressionWithTypeArguments=
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function(e,t){i("TSImportEqualsDeclaration",e,t)},t.assertTSExternalModuleReference=function(e,t){i("TSExternalModuleReference",e,t)},t.assertTSNonNullExpression=function(e,t){i("TSNonNullExpression",e,t)},t.assertTSExportAssignment=
function(e,t){i("TSExportAssignment",e,t)},t.assertTSNamespaceExportDeclaration=function(e,t){i("TSNamespaceExportDeclaration",e,t)},t.assertTSTypeAnnotation=function(e,t){i("TSTypeAnnotation",e,t)},t.assertTSTypeParameterInstantiation=
function(e,t){i("TSTypeParameterInstantiation",e,t)},t.assertTSTypeParameterDeclaration=function(e,t){i("TSTypeParameterDeclaration",e,t)},t.assertTSTypeParameter=function(e,t){i("TSTypeParameter",e,t)},t.assertExpression=function(e,t){i("Expression",e,t)},t.assertBinary=function(e,t){i("Binary",e,t)},t.assertScopable=function(e,t){i("Scopable",e,t)},t.assertBlockParent=function(e,t){i("BlockParent",e,t)},t.assertBlock=function(e,t){i("Block",e,t)},t.assertStatement=function(e,t){i("Statement",e,t)},t.assertTerminatorless=function(e,t){i("Terminatorless",e,t)},t.assertCompletionStatement=function(e,t){i("CompletionStatement",e,t)},t.assertConditional=function(e,t){i("Conditional",e,t)},t.assertLoop=function(e,t){i("Loop",e,t)},t.assertWhile=function(e,t){i("While",e,t)},t.assertExpressionWrapper=function(e,t){i("ExpressionWrapper",e,t)},t.assertFor=function(e,t){i("For",e,t)},t.assertForXStatement=function(e,t){i("ForXStatement",e,t)},t.assertFunction=function(e,t){i("Function",e,t)},t.assertFunctionParent=function(e,t){i("FunctionParent",e,t)},t.assertPureish=function(e,t){i("Pureish",e,t)},t.assertDeclaration=function(e,t){i("Declaration",e,t)},t.assertPatternLike=function(e,t){i("PatternLike",e,t)},t.assertLVal=function(e,t){i("LVal",e,t)},t.assertTSEntityName=function(e,t){i("TSEntityName",e,t)},t.assertLiteral=function(e,t){i("Literal",e,t)},t.assertImmutable=function(e,t){i("Immutable",e,t)},t.assertUserWhitespacable=function(e,t){i("UserWhitespacable",e,t)},t.assertMethod=function(e,t){i("Method",e,t)},t.assertObjectMember=function(e,t){i("ObjectMember",e,t)},t.assertProperty=function(e,t){i("Property",e,t)},t.assertUnaryLike=function(e,t){i("UnaryLike",e,t)},t.assertPattern=function(e,t){i("Pattern",e,t)},t.assertClass=function(e,t){i("Class",e,t)},t.assertModuleDeclaration=function(e,t){i("ModuleDeclaration",e,t)},t.assertExportDeclaration=function(e,t){i("ExportDeclaration",e,t)},t.assertModuleSpecifier=function(e,t){i("ModuleSpecifier",e,t)},t.assertFlow=function(e,t){i("Flow",e,t)},t.assertFlowType=function(e,t){i("FlowType",e,t)},t.assertFlowBaseAnnotation=function(e,t){i("FlowBaseAnnotation",e,t)},t.assertFlowDeclaration=function(e,t){i("FlowDeclaration",e,t)},t.assertFlowPredicate=function(e,t){i("FlowPredicate",e,t)},t.assertEnumBody=function(e,t){i("EnumBody",e,t)},t.assertEnumMember=function(e,t){i("EnumMember",e,t)},t.assertJSX=function(e,t){i("JSX",e,t)},t.assertPrivate=function(e,t){i("Private",e,t)},t.assertTSTypeElement=function(e,t){i("TSTypeElement",e,t)},t.assertTSType=function(e,t){i("TSType",e,t)},t.assertTSBaseType=function(e,t){i("TSBaseType",e,t)},t.assertNumberLiteral=function(e,t){console.trace("The node type NumberLiteral has been renamed to NumericLiteral"),i("NumberLiteral",e,t)},t.assertRegexLiteral=function(e,t){console.trace("The node type RegexLiteral has been renamed to RegExpLiteral"),i("RegexLiteral",e,t)},t.assertRestProperty=function(e,t){console.trace("The node type RestProperty has been renamed to RestElement"),i("RestProperty",e,t)},t.assertSpreadProperty=function(e,t){console.trace("The node type SpreadProperty has been renamed to SpreadElement"),i("SpreadProperty",e,t)};var n=r(36);function i(e,t,r){if(!(0,n.default)(e,t,r))throw new Error("Expected type \"$ {e}\" with option ${JSON.stringify(r)}, but instead got \"$ {t.type}\".")}},function(e,t,r){"use

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strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if("string"===e)return(0,n.stringTypeAnnotation)();if("number"===e)return(0,n.numberTypeAnnotation)();if("undefined"===e)return(0,n.voidTypeAnnotation)();if("boolean"===e)return(0,n.booleanTypeAnnotation)();if("function"===e)return(0,n.genericTypeAnnotation)((0,n.identifier)("Function"));if("object"===e)return(0,n.genericTypeAnnotation)((0,n.identifier)("Object"));if("symbol"===e)return(0,n.genericTypeAnnotation)((0,n.identifier)("Symbol"));if("bigint"===e)return(0,n.anyTypeAnnotation)();throw new Error("Invalid type of value: "+e)};var n=r(3)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const t=(0,i.default)(e);return 1===t.length?t[0):(0,n.unionTypeAnnotation)(t)};var n=r(3),i=r(107)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const t=e.map(e=>e.typeAnnotation),r=(0,i.default)(t);return 1===r.length?r[0):(0,n.tsUnionType)(r)};var n=r(3),i=r(279)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const t={},r={},i=[],s=[];for(let t=0;t<e.length;t++){const a=e[t];if(a&&!s.indexOf(a)>=0){if((0,n.isTSAnyKeyword)(a))return[a];(0,n.isTSBaseType)(a)?r[a.type]=a:(0,n.isTSUnionType)(a)?i.indexOf(a.types)<0&&(e=e.concat(a.types),i.push(a.types)):s.push(a)}}for(const e of Object.keys(r))s.push(r[e]);for(const e of Object.keys(t))s.push(t[e]);return s};var n=r(1)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),Object.defineProperty(t,"ArrayExpression",{enumerable:!0,get:function(){return n.arrayExpression}}),Object.defineProperty(t,"AssignmentExpression",{enumerable:!0,get:function(){return n.assignmentExpression}}),Object.defineProperty(t,"BinaryExpression",{enumerable:!0,get:function(){return n.binaryExpression}}),Object.defineProperty(t,"InterpreterDirective",{enumerable:!0,get:function(){return n.interpreterDirective}}),Object.defineProperty(t,"Directive",{enumerable:!0,get:function(){return n.directive}}),Object.defineProperty(t,"DirectiveLiteral",{enumerable:!0,get:function(){return n.directiveLiteral}}),Object.defineProperty(t,"BlockStatement",{enumerable:!0,get:function(){return n.blockStatement}}),Object.defineProperty(t,"BreakStatement",{enumerable:!0,get:function(){return n.breakStatement}}),Object.defineProperty(t,"CallExpression",{enumerable:!0,get:function(){return n.callExpression}}),Object.defineProperty(t,"CatchClause",{enumerable:!0,get:function(){return n.catchClause}}),Object.defineProperty(t,"ConditionalExpression",{enumerable:!0,get:function(){return n.conditionalExpression}}),Object.defineProperty(t,"ContinueStatement",{enumerable:!0,get:function(){return n.continueStatement}}),Object.defineProperty(t,"DebuggerStatement",{enumerable:!0,get:function(){return n.debuggerStatement}}),Object.defineProperty(t,"DoWhileStatement",{enumerable:!0,get:function(){return n.doWhileStatement}}),Object.defineProperty(t,"EmptyStatement",{enumerable:!0,get:function(){return n.emptyStatement}}),Object.defineProperty(t,"ExpressionStatement",{enumerable:!0,get:function(){return n.expressionStatement}}),Object.defineProperty(t,"File",{enumerable:!0,get:function(){return n.file}}),Object.defineProperty(t,"ForInStatement",{enumerable:!0,get:function(){return n.forInStatement}}),Object.defineProperty(t,"ForStatement",{enumerable:!0,get:function(){return n.forStatement}}),Object.defineProperty(t,"FunctionDeclaration",{enumerable:!0,get:function(){return n.functionDeclaration}}),Object.defineProperty(t,"FunctionExpression",{enumerable:!0,get:function(){return n.functionExpression}}),Object.defineProperty(t,"Identifier",{enumerable:!0,get:function(){return n.identifier}}),Object.defineProperty(t,"IfStatement",{enumerable:!0,get:function(){return n.ifStatement}}),Object.defineProperty(t,"LabeledStatement",{enumerable:!0,get:function(){return n.labeledStatement}}),Object.defineProperty(t,"StringLiteral",{enumerable:!0,get:function(){return n.stringLiteral}}),Object.defineProperty(t,"NumericLiteral",{enumerable:!0,get:function(){return n.numericLiteral}}),Object.defineProperty(t,"NullLiteral",{enumerable:!0,get:function(){return n.nullLiteral}}),Object.defineProperty(t,"BooleanLiteral",{enumerable:!0,get:function(){return n.booleanLiteral}}),Object.defineProperty(t,"RegExpLiteral",{enumerable:!0,get:function(){return n.regExpLiteral}}),Object.defineProperty(t,"LogicalExpression",{enumerable:!0,get:function(){return n.logicalExpression}}),Object.defineProperty(t,"MemberExpression",{enumerable:!0,get:function(){return

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n.nullLiteralTypeAnnotation}}),Object.defineProperty(t,"ClassImplements",{enumerable:!0,get:function(){return
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n n.declaredPredicate}}),Object.defineProperty(t,"ExistsTypeAnnotation",{enumerable:!0,get:function(){return
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n.objectTypeAnnotation}}),Object.defineProperty(t,"ObjectTypeInternalSlot",{enumerable:!0,get:function(){return
n.objectTypeInternalSlot}}),Object.defineProperty(t,"ObjectTypeCallProperty",{enumerable:!0,get:function(){retur

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n.n.objectTypeCallProperty })),Object.defineProperty(t,"ObjectTypeIndexer",{enumerable:!0,get:function(){return n.n.objectTypeIndexer })),Object.defineProperty(t,"ObjectTypeProperty",{enumerable:!0,get:function(){return n.n.objectTypeProperty })),Object.defineProperty(t,"ObjectTypeSpreadProperty",{enumerable:!0,get:function(){return n.n.objectTypeSpreadProperty })),Object.defineProperty(t,"OpaqueType",{enumerable:!0,get:function(){return n.n.opaqueType })),Object.defineProperty(t,"QualifiedTypeIdentifier",{enumerable:!0,get:function(){return n.n.qualifiedTypeIdentifier })),Object.defineProperty(t,"StringLiteralTypeAnnotation",{enumerable:!0,get:function(){return n.n.stringLiteralTypeAnnotation })),Object.defineProperty(t,"StringTypeAnnotation",{enumerable:!0,get:function(){return n.n.stringTypeAnnotation })),Object.defineProperty(t,"SymbolTypeAnnotation",{enumerable:!0,get:function(){return n.n.symbolTypeAnnotation })),Object.defineProperty(t,"ThisTypeAnnotation",{enumerable:!0,get:function(){return n.n.thisTypeAnnotation })),Object.defineProperty(t,"TupleTypeAnnotation",{enumerable:!0,get:function(){return n.n.tupleTypeAnnotation })),Object.defineProperty(t,"TypeofTypeAnnotation",{enumerable:!0,get:function(){return n.n.typeofTypeAnnotation })),Object.defineProperty(t,"TypeAlias",{enumerable:!0,get:function(){return n.n.typeAlias })),Object.defineProperty(t,"TypeAnnotation",{enumerable:!0,get:function(){return n.n.typeAnnotation })),Object.defineProperty(t,"TypeCastExpression",{enumerable:!0,get:function(){return n.n.typeCastExpression })),Object.defineProperty(t,"TypeParameter",{enumerable:!0,get:function(){return n.n.typeParameter })),Object.defineProperty(t,"TypeParameterDeclaration",{enumerable:!0,get:function(){return n.n.typeParameterDeclaration })),Object.defineProperty(t,"TypeParameterInstantiation",{enumerable:!0,get:function(){return n.n.typeParameterInstantiation })),Object.defineProperty(t,"UnionTypeAnnotation",{enumerable:!0,get:function(){return n.n.unionTypeAnnotation })),Object.defineProperty(t,"Variance",{enumerable:!0,get:function(){return n.n.variance })),Object.defineProperty(t,"VoidTypeAnnotation",{enumerable:!0,get:function(){return n.n.voidTypeAnnotation })),Object.defineProperty(t,"EnumDeclaration",{enumerable:!0,get:function(){return n.n.enumDeclaration })),Object.defineProperty(t,"EnumBooleanBody",{enumerable:!0,get:function(){return n.n.enumBooleanBody })),Object.defineProperty(t,"EnumNumberBody",{enumerable:!0,get:function(){return n.n.enumNumberBody })),Object.defineProperty(t,"EnumStringBody",{enumerable:!0,get:function(){return n.n.enumStringBody })),Object.defineProperty(t,"EnumSymbolBody",{enumerable:!0,get:function(){return n.n.enumSymbolBody })),Object.defineProperty(t,"EnumBooleanMember",{enumerable:!0,get:function(){return n.n.enumBooleanMember })),Object.defineProperty(t,"EnumNumberMember",{enumerable:!0,get:function(){return n.n.enumNumberMember })),Object.defineProperty(t,"EnumStringMember",{enumerable:!0,get:function(){return n.n.enumStringMember })),Object.defineProperty(t,"EnumDefaultedMember",{enumerable:!0,get:function(){return n.n.enumDefaultedMember })),Object.defineProperty(t,"IndexedAccessType",{enumerable:!0,get:function(){return n.n.indexedAccessType })),Object.defineProperty(t,"OptionalIndexedAccessType",{enumerable:!0,get:function(){return n.n.optionalIndexedAccessType })),Object.defineProperty(t,"JSXAttribute",{enumerable:!0,get:function(){return n.n.jsxAttribute })),Object.defineProperty(t,"JSXClosingElement",{enumerable:!0,get:function(){return n.n.jsxClosingElement })),Object.defineProperty(t,"JSXElement",{enumerable:!0,get:function(){return n.n.jsxElement })),Object.defineProperty(t,"JSXEmptyExpression",{enumerable:!0,get:function(){return n.n.jsxEmptyExpression })),Object.defineProperty(t,"JSXExpressionContainer",{enumerable:!0,get:function(){return n.n.jsxExpressionContainer })),Object.defineProperty(t,"JSXSpreadChild",{enumerable:!0,get:function(){return n.n.jsxSpreadChild })),Object.defineProperty(t,"JSXIdentifier",{enumerable:!0,get:function(){return n.n.jsxIdentifier })),Object.defineProperty(t,"JSXMemberExpression",{enumerable:!0,get:function(){return n.n.jsxMemberExpression })),Object.defineProperty(t,"JSXNamespacedName",{enumerable:!0,get:function(){return n.n.jsxNamespacedName })),Object.defineProperty(t,"JSXOpeningElement",{enumerable:!0,get:function(){return n.n.jsxOpeningElement })),Object.defineProperty(t,"JSXSpreadAttribute",{enumerable:!0,get:function(){return n.n.jsxSpreadAttribute })),Object.defineProperty(t,"JSXText",{enumerable:!0,get:function(){return n.n.jsxText })),Object.defineProperty(t,"JSXFragment",{enumerable:!0,get:function(){return n.n.jsxFragment })),Object.defineProperty(t,"JSXOpeningFragment",{enumerable:!0,get:function(){return
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n.tsPropertySignature}}),Object.defineProperty(t,"TSMethodSignature",{enumerable:!0,get:function(){return
n.tsMethodSignature}}),Object.defineProperty(t,"TSIndexSignature",{enumerable:!0,get:function(){return
n.tsIndexSignature}}),Object.defineProperty(t,"TSAnyKeyword",{enumerable:!0,get:function(){return
n.tsAnyKeyword}}),Object.defineProperty(t,"TSBooleanKeyword",{enumerable:!0,get:function(){return
n.tsBooleanKeyword}}),Object.defineProperty(t,"TSBigIntKeyword",{enumerable:!0,get:function(){return
n.tsBigIntKeyword}}),Object.defineProperty(t,"TSIntrinsicKeyword",{enumerable:!0,get:function(){return
n.tsIntrinsicKeyword}}),Object.defineProperty(t,"TSNeverKeyword",{enumerable:!0,get:function(){return
n.tsNeverKeyword}}),Object.defineProperty(t,"TSNullKeyword",{enumerable:!0,get:function(){return
n.tsNullKeyword}}),Object.defineProperty(t,"TSNumberKeyword",{enumerable:!0,get:function(){return
n.tsNumberKeyword}}),Object.defineProperty(t,"TSObjectKeyword",{enumerable:!0,get:function(){return
n.tsObjectKeyword}}),Object.defineProperty(t,"TSStringKeyword",{enumerable:!0,get:function(){return
n.tsStringKeyword}}),Object.defineProperty(t,"TSSymbolKeyword",{enumerable:!0,get:function(){return
n.tsSymbolKeyword}}),Object.defineProperty(t,"TSUndefinedKeyword",{enumerable:!0,get:function(){return
n.tsUndefinedKeyword}}),Object.defineProperty(t,"TSUnknownKeyword",{enumerable:!0,get:function(){return
n.tsUnknownKeyword}}),Object.defineProperty(t,"TSVoidKeyword",{enumerable:!0,get:function(){return

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n.tsVoidKeyword})),Object.defineProperty(t,"TSThisType",{enumerable:!0,get:function(){return
n.tsThisType}}),Object.defineProperty(t,"TSFunctionType",{enumerable:!0,get:function(){return
n.tsFunctionType}}),Object.defineProperty(t,"TSConstructorType",{enumerable:!0,get:function(){return
n.tsConstructorType}}),Object.defineProperty(t,"TSTypeReference",{enumerable:!0,get:function(){return
n.tsTypeReference}}),Object.defineProperty(t,"TSTypePredicate",{enumerable:!0,get:function(){return
n.tsTypePredicate}}),Object.defineProperty(t,"TSTypeQuery",{enumerable:!0,get:function(){return
n.tsTypeQuery}}),Object.defineProperty(t,"TSTypeLiteral",{enumerable:!0,get:function(){return
n.tsTypeLiteral}}),Object.defineProperty(t,"TSArrayType",{enumerable:!0,get:function(){return
n.tsArrayType}}),Object.defineProperty(t,"TSTupleType",{enumerable:!0,get:function(){return
n.tsTupleType}}),Object.defineProperty(t,"TSOptionalType",{enumerable:!0,get:function(){return
n.tsOptionalType}}),Object.defineProperty(t,"TSRestType",{enumerable:!0,get:function(){return
n.tsRestType}}),Object.defineProperty(t,"TSNamedTupleMember",{enumerable:!0,get:function(){return
n.tsNamedTupleMember}}),Object.defineProperty(t,"TSUnionType",{enumerable:!0,get:function(){return
n.tsUnionType}}),Object.defineProperty(t,"TSIntersectionType",{enumerable:!0,get:function(){return
n.tsIntersectionType}}),Object.defineProperty(t,"TSConditionalType",{enumerable:!0,get:function(){return
n.tsConditionalType}}),Object.defineProperty(t,"TSInferType",{enumerable:!0,get:function(){return
n.tsInferType}}),Object.defineProperty(t,"TSParenthesizedType",{enumerable:!0,get:function(){return
n.tsParenthesizedType}}),Object.defineProperty(t,"TSTypeOperator",{enumerable:!0,get:function(){return
n.tsTypeOperator}}),Object.defineProperty(t,"TSIndexedAccessType",{enumerable:!0,get:function(){return
n.tsIndexedAccessType}}),Object.defineProperty(t,"TSMappedType",{enumerable:!0,get:function(){return
n.tsMappedType}}),Object.defineProperty(t,"TSLiteralType",{enumerable:!0,get:function(){return
n.tsLiteralType}}),Object.defineProperty(t,"TSExpressionWithTypeArguments",{enumerable:!0,get:function(){return
n
n.tsExpressionWithTypeArguments}}),Object.defineProperty(t,"TSInterfaceDeclaration",{enumerable:!0,get:functi
on(){return
n.tsInterfaceDeclaration}}),Object.defineProperty(t,"TSInterfaceBody",{enumerable:!0,get:function(){return
n.tsInterfaceBody}}),Object.defineProperty(t,"TSTypeAliasDeclaration",{enumerable:!0,get:function(){return
n.tsTypeAliasDeclaration}}),Object.defineProperty(t,"TSAsExpression",{enumerable:!0,get:function(){return
n.tsAsExpression}}),Object.defineProperty(t,"TSTypeAssertion",{enumerable:!0,get:function(){return
n.tsTypeAssertion}}),Object.defineProperty(t,"TSEnumDeclaration",{enumerable:!0,get:function(){return
n.tsEnumDeclaration}}),Object.defineProperty(t,"TSEnumMember",{enumerable:!0,get:function(){return
n.tsEnumMember}}),Object.defineProperty(t,"TSModuleDeclaration",{enumerable:!0,get:function(){return
n.tsModuleDeclaration}}),Object.defineProperty(t,"TSModuleBlock",{enumerable:!0,get:function(){return
n.tsModuleBlock}}),Object.defineProperty(t,"TSImportType",{enumerable:!0,get:function(){return
n.tsImportType}}),Object.defineProperty(t,"TSImportEqualsDeclaration",{enumerable:!0,get:function(){return
n.tsImportEqualsDeclaration}}),Object.defineProperty(t,"TSExternalModuleReference",{enumerable:!0,get:functio
n(){return
n.tsExternalModuleReference}}),Object.defineProperty(t,"TSNonNullExpression",{enumerable:!0,get:function(){re
turn
n.tsNonNullExpression}}),Object.defineProperty(t,"TSExportAssignment",{enumerable:!0,get:function(){return
n.tsExportAssignment}}),Object.defineProperty(t,"TSNamespaceExportDeclaration",{enumerable:!0,get:function()
{return
n.tsNamespaceExportDeclaration}}),Object.defineProperty(t,"TSTypeAnnotation",{enumerable:!0,get:function(){re
turn
n.tsTypeAnnotation}}),Object.defineProperty(t,"TSTypeParameterInstantiation",{enumerable:!0,get:function(){retu
rn
n.tsTypeParameterInstantiation}}),Object.defineProperty(t,"TSTypeParameterDeclaration",{enumerable:!0,get:func
tion(){return

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n.tsTypeParameterDeclaration })),Object.defineProperty(t,"TSTypeParameter",{enumerable:!0,get:function(){return
n.tsTypeParameter}}),Object.defineProperty(t,"NumberLiteral",{enumerable:!0,get:function(){return
n.numberLiteral}}),Object.defineProperty(t,"RegexLiteral",{enumerable:!0,get:function(){return
n.regexLiteral}}),Object.defineProperty(t,"RestProperty",{enumerable:!0,get:function(){return
n.restProperty}}),Object.defineProperty(t,"SpreadProperty",{enumerable:!0,get:function(){return
n.spreadProperty}});var n=r(3)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.default)(e,!1)};var
n=r(16)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.default)(e)};var
n=r(16)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.default)(e,!0,!0)};var
n=r(16)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.default)(e,!1,!0)};var
n=r(16)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r,i){return(0,n.default)(e,t,[{type:i?"
CommentLine":"CommentBlock",value:r}])};var n=r(108)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return
n.COMMENT_KEYS.forEach(t=>{e[t]=null}),e};var n=r(15)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.TSBASETYPES=t.TSTYPE_TYPES=t.TSTYPE
ELEMENT_TYPES=t.PRIVATE_TYPES=t.JSX_TYPES=t.ENUMMEMBER_TYPES=t.ENUMBODY_TYPES=t
.FLOWPREDICATE_TYPES=t.FLOWDECLARATION_TYPES=t.FLOWBASEANNOTATION_TYPES=t.FLO
WTYPE_TYPES=t.FLOW_TYPES=t.MODULESPECIFIER_TYPES=t.EXPORTDECLARATION_TYPES=t.MO
DULEDECLARATION_TYPES=t.CLASS_TYPES=t.PATTERN_TYPES=t.UNARYLIKE_TYPES=t.PROPERT
Y_TYPES=t.OBJECTMEMBER_TYPES=t.METHOD_TYPES=t.USERWHITESPACABLE_TYPES=t.IMMUTA
BLE_TYPES=t.LITERAL_TYPES=t.TSENTITYNAME_TYPES=t.LVAL_TYPES=t.PATTERNLIKE_TYPES=t
.DECLARATION_TYPES=t.PUREISH_TYPES=t.FUNCTIONPARENT_TYPES=t.FUNCTION_TYPES=t.FORX
STATEMENT_TYPES=t.FOR_TYPES=t.EXPRESSIONWRAPPER_TYPES=t.WHILE_TYPES=t.LOOP_TYPES
=t.CONDITIONAL_TYPES=t.COMPLETIONSTATEMENT_TYPES=t.TERMINATORLESS_TYPES=t.STATE
MENT_TYPES=t.BLOCK_TYPES=t.BLOCKPARENT_TYPES=t.SCOPABLE_TYPES=t.BINARY_TYPES=t.E
XPRESSION_TYPES=void 0;var n=r(6);const
i=n.FLIPPED_ALIAS_KEYS.Expression;t.EXPRESSION_TYPES=i;const
s=n.FLIPPED_ALIAS_KEYS.Binary;t.BINARY_TYPES=s;const
a=n.FLIPPED_ALIAS_KEYS.Scopable;t.SCOPABLE_TYPES=a;const
o=n.FLIPPED_ALIAS_KEYS.BlockParent;t.BLOCKPARENT_TYPES=o;const
l=n.FLIPPED_ALIAS_KEYS.Block;t.BLOCK_TYPES=l;const
c=n.FLIPPED_ALIAS_KEYS.Statement;t.STATEMENT_TYPES=c;const
p=n.FLIPPED_ALIAS_KEYS.Terminatorless;t.TERMINATORLESS_TYPES=p;const
u=n.FLIPPED_ALIAS_KEYS.CompletionStatement;t.COMPLETIONSTATEMENT_TYPES=u;const
d=n.FLIPPED_ALIAS_KEYS.Conditional;t.CONDITIONAL_TYPES=d;const
h=n.FLIPPED_ALIAS_KEYS.Loop;t.LOOP_TYPES=h;const
f=n.FLIPPED_ALIAS_KEYS.While;t.WHILE_TYPES=f;const
m=n.FLIPPED_ALIAS_KEYS.ExpressionWrapper;t.EXPRESSIONWRAPPER_TYPES=m;const
y=n.FLIPPED_ALIAS_KEYS.For;t.FOR_TYPES=y;const
T=n.FLIPPED_ALIAS_KEYS.ForXStatement;t.FORXSTATEMENT_TYPES=T;const
b=n.FLIPPED_ALIAS_KEYS.Function;t.FUNCTION_TYPES=b;const
g=n.FLIPPED_ALIAS_KEYS.FunctionParent;t.FUNCTIONPARENT_TYPES=g;const
S=n.FLIPPED_ALIAS_KEYS.Pureish;t.PUREISH_TYPES=S;const
x=n.FLIPPED_ALIAS_KEYS.Declaration;t.DECLARATION_TYPES=x;const

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E=n.FLIPPED_ALIAS_KEYS.PatternLike;t.PATTERNLIKE_TYPES=E;const
P=n.FLIPPED_ALIAS_KEYS.LVal;t.LVAL_TYPES=P;const
v=n.FLIPPED_ALIAS_KEYS.TEntityName;t.TENTITYNAME_TYPES=v;const
A=n.FLIPPED_ALIAS_KEYS.Literal;t.LITERAL_TYPES=A;const
w=n.FLIPPED_ALIAS_KEYS.Immutable;t.IMMUTABLE_TYPES=w;const
O=n.FLIPPED_ALIAS_KEYS.UserWhitespacable;t.USERWHITESPACABLE_TYPES=O;const
I=n.FLIPPED_ALIAS_KEYS.Method;t.METHOD_TYPES=I;const
C=n.FLIPPED_ALIAS_KEYS.ObjectMember;t.OBJECTMEMBER_TYPES=C;const
N=n.FLIPPED_ALIAS_KEYS.Property;t.PROPERTY_TYPES=N;const
k=n.FLIPPED_ALIAS_KEYS.UnaryLike;t.UNARYLIKE_TYPES=k;const
D=n.FLIPPED_ALIAS_KEYS.Pattern;t.PATTERN_TYPES=D;const
_=n.FLIPPED_ALIAS_KEYS.Class;t.CLASS_TYPES=_;const
L=n.FLIPPED_ALIAS_KEYS.ModuleDeclaration;t.MODULEDECLARATION_TYPES=L;const
M=n.FLIPPED_ALIAS_KEYS.ExportDeclaration;t.EXPORTDECLARATION_TYPES=M;const
j=n.FLIPPED_ALIAS_KEYS.ModuleSpecifier;t.MODULESPECIFIER_TYPES=j;const
F=n.FLIPPED_ALIAS_KEYS.Flow;t.FLOW_TYPES=F;const
R=n.FLIPPED_ALIAS_KEYS.FlowType;t.FLOWTYPE_TYPES=R;const
B=n.FLIPPED_ALIAS_KEYS.FlowBaseAnnotation;t.FLOWBASEANNOTATION_TYPES=B;const
U=n.FLIPPED_ALIAS_KEYS.FlowDeclaration;t.FLOWDECLARATION_TYPES=U;const
V=n.FLIPPED_ALIAS_KEYS.FlowPredicate;t.FLOWPREDICATE_TYPES=V;const
K=n.FLIPPED_ALIAS_KEYS.EnumBody;t.ENUMBODY_TYPES=K;const
q=n.FLIPPED_ALIAS_KEYS.EnumMember;t.ENUMMEMBER_TYPES=q;const
Y=n.FLIPPED_ALIAS_KEYS.JSX;t.JSX_TYPES=Y;const
W=n.FLIPPED_ALIAS_KEYS.Private;t.PRIVATE_TYPES=W;const
X=n.FLIPPED_ALIAS_KEYS.TSTypeElement;t.TSTYPEELEMENT_TYPES=X;const
J=n.FLIPPED_ALIAS_KEYS.TSType;t.TSTYPE_TYPES=J;const
H=n.FLIPPED_ALIAS_KEYS.TSBaseType;t.TSBASETYPE_TYPES=H},function(e,t,r){
  "use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t="body"){return
  e[t]=(0,n.default)(e[t],e)};var n=r(113)},function(e,t,r){
  "use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){
    "eval"!===(e=(0,n.default)(e))&&"arguments"!==e||("e"+"_+e);return e};var n=r(114)},function(e,t,r){
    "use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t=e.key||e.property){
      !e.computed&&(0,n.isIdentifier)(t)&&(t=(0,i.stringLiteral)(t.name));return t};var n=r(1),i=r(3)},function(e,t,r){
      "use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
      n=r(1),i=function(e){(0,n.isExpressionStatement)(e)&&(e=e.expression);if((0,n.isExpression)(e))return
      e;(0,n.isClass)(e)?e.type="ClassExpression":(0,n.isFunction)(e)&&(e.type="FunctionExpression");if(!(0,n.isExpress
      ion)(e))throw new Error(`cannot turn ${e.type} to an expression`);return e};t.default=i},function(e,t,r){
      "use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=a;var n=r(1),i=r(16),s=r(115);function
      a(e,t=e.key){let
      r;return"method"===e.kind?a.increment()+"":(r=(0,n.isIdentifier)(t)?t.name:(0,n.isStringLiteral)(t)?JSON.stringify(t
      .value):JSON.stringify((0,s.default)((0,i.default)(t))),e.computed&&(r=`[${r}]`),e.static&&(r="static:"+r),r)}a.uid=0
      ,a.increment=function(){return a.uid>=Number.MAX_SAFE_INTEGER?a.uid=0:a.uid++}},function(e,t,r){
      "use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(null===e||e.length)return;const
      r=[],i=(0,n.default)(e,t,r);if(!i)return;for(const e of r)t.push(e);return i};var n=r(294)},function(e,t,r){
      "use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t,r,o){const l=[];let c=!0;for(const p
      of t)if((0,i.isEmptyStatement)(p)||c=!1,(0,i.isExpression)(p))l.push(p);else
      if((0,i.isExpressionStatement)(p))l.push(p.expression);else
      if((0,i.isVariableDeclaration)(p)){if("var"!==p.kind)return;for(const e of p.declarations){const

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t=(0,n.default)(e);for(const e of
Object.keys(t))o.push({kind:p.kind,id:(0,a.default)(t[e])};e.init&&l.push((0,s.assignmentExpression)("=",e.id,e.init
))c=!0}else if((0,i.isIfStatement)(p)){const
t=p.consequent?e([p.consequent],r,o):r.buildUndefinedNode(),n=p.alternate?e([p.alternate],r,o):r.buildUndefinedNo
de();if(!t||n)return;l.push((0,s.conditionalExpression)(p.test,t,n))else if((0,i.isBlockStatement)(p)){const
t=e(p.body,r,o);if(!t)return;l.push(t)}else{if(!(0,i.isEmptyStatement)(p))return;0===t.indexOf(p)&&(c=!0)}c&&l.pu
sh(r.buildUndefinedNode());return 1===l.length?l[0):(0,s.sequenceExpression)(l)};var
n=r(37),i=r(1),s=r(3),a=r(16)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n=r(1),i=r(3),s=function(e,t){if((0,n.isStatement)(e))return e;let
r,s=!1;if((0,n.isClass)(e))s=!0,r="ClassDeclaration";else if((0,n.isFunction)(e))s=!0,r="FunctionDeclaration";else
if((0,n.isAssignmentExpression)(e))return(0,i.expressionStatement)(e);s&&!e.id&&(r=!1);if(!r){if(t)return!1;throw
new Error(`cannot turn ${e.type} to a statement`)}return e.type=r,e};t.default=s},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var n=r(24),i=r(3),s=function e(t){if(void
0===t)return(0,i.identifier)("undefined");if(!0===t||!1===t)return(0,i.booleanLiteral)(t);if(null===t)return(0,i.nullLit
eral)();if("string"===typeof t)return(0,i.stringLiteral)(t);if("number"===typeof t){let
e;if(Number.isFinite(t))e=(0,i.numericLiteral)(Math.abs(t));else{let
r;r=Number.isNaN(t)?(0,i.numericLiteral)(0):(0,i.numericLiteral)(1),e=(0,i.binaryExpression)("/",r,(0,i.numericLiter
al)(0))}return(t<0||Object.is(t,-0))&&(e=(0,i.unaryExpression)("-",e)),e}if(function(e){return"[object
RegExp]"===a(e)}(t)){const e=t.source,r=t.toString().match(/\/([a-
z+)]$/)[1];return(0,i.regExpLiteral)(e,r)}if(Array.isArray(t))return(0,i.arrayExpression)(t.map(e));if(function(e){if("
object"!==typeof e||null===e||"[object Object]"!==Object.prototype.toString.call(e))return!1;const
t=Object.getPrototypeOf(e);return null===t||null===Object.getPrototypeOf(t)}(t)){const r=[];for(const s of
Object.keys(t)){let
a;a=(0,n.default)(s)?(0,i.identifier)(s):(0,i.stringLiteral)(s),r.push((0,i.objectProperty)(a,e(t[s])))}return(0,i.objectExp
ression)(r)}throw new Error("don't know how to turn this value into a node");};t.default=s;const
a=Function.call.bind(Object.prototype.toString),function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r=!1){return
e.object=(0,n.memberExpression)(e.object,e.property,e.computed),e.property=t,e.computed=!r,e};var
n=r(3)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(!e||!t)return e;for(const r of
n.INHERIT_KEYS.optional)null===e[r]&&(e[r]=t[r]);for(const r of
Object.keys(t))_"===r[0]&&"__clone"!==r&&(e[r]=t[r]);for(const r of
n.INHERIT_KEYS.force)e[r]=t[r];return(0,i.default)(e,t,e)};var n=r(15),i=r(111)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){return
e.object=(0,n.memberExpression)(t,e.object),e};var n=r(3)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n=r(37),i=function(e,t){return(0,n.default)(e,t,!0)};t.default=i},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){ "function"===typeof
t&&(t={enter:t});const{enter:i,exit:s}=t;!function e(t,r,i,s,a){const
o=n.VISITOR_KEYS[t.type];if(!o)return;r&&r(t,a,s);for(const n of o){const o=t[n];if(Array.isArray(o))for(let
l=0;l<o.length;l++){const c=o[l];c&&(a.push({node:t,key:n,index:l}),e(c,r,i,s,a),a.pop())}else
o&&(a.push({node:t,key:n}),e(o,r,i,s,a),a.pop())}i&&i(t,a,s)}(e,i,s,r,[])};var n=r(6)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(r&&"Identifier"===e.type&&"
ObjectProperty"===t.type&&"ObjectExpression"===r.type)return!1;const i=n.default.keys[t.type];if(i)for(let
r=0;r<i.length;r++){const n=i[r],s=t[n];if(Array.isArray(s)){if(s.indexOf(e)>=0)return!0}else
if(s===e)return!0}return!1};var n=r(37)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.isFunctionDeclaration)(e)}

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|(0,n.isClassDeclaration)(e)||0,i.default(e)};var n=r(1),i=r(118)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e){if((0,n.default)(e.type,"Immutable"))
return!0;if((0,i.isIdentifier)(e))return"undefined"===e.name;return!1};var n=r(56),i=r(1)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function e(t,r){if("object"!==typeof
t||"object"!==typeof r||null===t||null===r)return t===r;if(t.type!==r.type)return!1;const
i=Object.keys(n.NODE_FIELDS[t.type]),s=n.VISITOR_KEYS[t.type];for(const n of i){if(typeof
t[n]!==typeof
r[n])return!1;if(null!==t[n]||null!==r[n]){if(null===t[n]||null===r[n])return!1;if(Array.isArray(t[n])){if(!Array.isArray(r[n]
))return!1;if(t[n].length!==r[n].length)return!1;for(let i=0;i<t[n].length;i++)if(!e(t[n][i],r[n][i]))return!1}else
if("object"!==typeof t[n]||null!=s&&s.includes(n)){if(!e(t[n],r[n]))return!1}else for(const e of
Object.keys(t[n]))if(t[n][e]!==r[n][e])return!1}}return!0};var n=r(6)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t,r){ switch(t.type){ case"MemberExpr
ession":case"JSXMemberExpression":case"OptionalMemberExpression":return
t.property===e?!t.computed:t.object===e;case"VariableDeclarator":return
t.init===e;case"ArrowFunctionExpression":return
t.body===e;case"PrivateName":return!1;case"ClassMethod":case"ClassPrivateMethod":case"ObjectMethod":if(t.pa
rams.includes(e))return!1;case"ObjectProperty":case"ClassProperty":case"ClassPrivateProperty":return
t.key===e?!t.computed:t.value===e!(r||"ObjectPattern"!==r.type);case"ClassDeclaration":case"ClassExpression":r
eturn t.superClass===e;case"AssignmentExpression":case"AssignmentPattern":return
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t.key!==e;case"TSEnumMember":return t.id!==e;case"TSPropertySignature":return
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```



```

EAST_UPPER_BOUND=2,l.prototype.eachMapping=function(e,t,r){ var
i,s=t||null;switch(r||l.GENERATED_ORDER){ case
l.GENERATED_ORDER:i=this._generatedMappings;break;case
l.ORIGINAL_ORDER:i=this._originalMappings;break;default:throw new Error("Unknown order of iteration.")} var
a=this.sourceRoot;i.map((function(e){ var t=null===e.source?null:this._sources.at(e.source);return
null!=t&&null!=a&&(t=n.join(a,t)),{ source:t,generatedLine:e.generatedLine,generatedColumn:e.generatedColumn,
originalLine:e.originalLine,originalColumn:e.originalColumn,name:null===e.name?null:this._names.at(e.name) } } ),
this).forEach(e,s)},l.prototype.allGeneratedPositionsFor=function(e){ var
t=n.getArg(e,"line"),r={ source:n.getArg(e,"source"),originalLine:t,originalColumn:n.getArg(e,"column",0)};if(null!
=this.sourceRoot&&(r.source=n.relative(this.sourceRoot,r.source)),!this._sources.has(r.source))return[];r.source=this
s._sources.indexOf(r.source);var
s=[],a=this._findMapping(r,this._originalMappings,"originalLine","originalColumn",n.compareByOriginalPositions,
l.LEAST_UPPER_BOUND);if(a>=0){ var o=this._originalMappings[a];if(void 0===e.column)for(var
l=o.originalLine;o&&o.originalLine===l;s.push({ line:n.getArg(o,"generatedLine",null),column:n.getArg(o,"genera
tedColumn",null),lastColumn:n.getArg(o,"lastGeneratedColumn",null)}),o=this._originalMappings[++a];else
for(var
c=o.originalColumn;o&&o.originalLine===t&&o.originalColumn===c;s.push({ line:n.getArg(o,"generatedLine",nul
l),column:n.getArg(o,"generatedColumn",null),lastColumn:n.getArg(o,"lastGeneratedColumn",null)}),o=this._origi
nalMappings[++a])return
s},t.SourceMapConsumer=l,c.prototype=Object.create(l.prototype),c.prototype.consumer=l,c.fromSourceMap=funct
ion(e){ var
t=Object.create(c.prototype),r=t._names=s.fromArray(e._names.toArray(),!0),i=t._sources=s.fromArray(e._sources.t
oArray(),!0);t.sourceRoot=e._sourceRoot,t.sourcesContent=e._generateSourcesContent(t._sources.toArray(),t.source
Root),t.file=e._file;for(var
a=e._mappings.toArray().slice(),l=t.__generatedMappings=[],u=t.__originalMappings=[],d=0,h=a.length;d<h;d++){
var f=a[d],m=new
p;m.generatedLine=f.generatedLine,m.generatedColumn=f.generatedColumn,f.source&&(m.source=i.indexOf(f.sou
rce),m.originalLine=f.originalLine,m.originalColumn=f.originalColumn,f.name&&(m.name=r.indexOf(f.name)),u.p
ush(m)),l.push(m)}return
o(t.__originalMappings,n.compareByOriginalPositions),t},c.prototype._version=3,Object.defineProperty(c.prototype
,"sources",{ get:function(){ return this._sources.toArray().map((function(e){ return
null!=this.sourceRoot?n.join(this.sourceRoot,e)}),this) } } ),c.prototype._parseMappings=function(e,t){ for(var
r,i,s,l,c,u=1,d=0,h=0,f=0,m=0,y=0,T=e.length,b=0,g={},S={},x=[],E=[];b<T;if("===e.charAt(b))u++,b++,d=0;els
e if("===e.charAt(b))b++;else{ for((r=new
p).generatedLine=u,l=b;l<T&&!this._charIsMappingSeparator(e,l,l++);if(s=g[i=e.slice(b,l)])b+=i.length;else{ for(s
=[];b<l;a.decode(e,b,S),c=S.value,b=S.rest,s.push(c);if(2===s.length)throw new Error("Found a source, but no line
and column");if(3===s.length)throw new Error("Found a source and line, but no
column");g[i]=s}r.generatedColumn=d+s[0],d=r.generatedColumn,s.length>1&&(r.source=m+s[1],m+=s[1],r.origin
alLine=h+s[2],h=r.originalLine,r.originalLine+=1,r.originalColumn=f+s[3],f=r.originalColumn,s.length>4&&(r.na
me=y+s[4],y+=s[4])),E.push(r),"number"===typeof
r.originalLine&&x.push(r)}o(E,n.compareByGeneratedPositionsDeflated),this.__generatedMappings=E,o(x,n.comp
areByOriginalPositions),this.__originalMappings=x},c.prototype._findMapping=function(e,t,r,n,s,a){ if(e[r]<=0)thro
w new TypeError("Line must be greater than or equal to 1, got "+e[r]);if(e[n]<0)throw new TypeError("Column
must be greater than or equal to 0, got "+e[n]);return
i.search(e,t,s,a)},c.prototype.computeColumnSpans=function(){ for(var
e=0;e<this._generatedMappings.length;++e){ var
t=this._generatedMappings[e];if(e+1<this._generatedMappings.length){ var
r=this._generatedMappings[e+1];if(t.generatedLine===r.generatedLine){ t.lastGeneratedColumn=r.generatedColumn

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n-1;continue } }t.lastGeneratedColumn=1/0 } },c.prototype.originalPositionFor=function(e) { var
t={ generatedLine:n.getArg(e,"line"),generatedColumn:n.getArg(e,"column") },r=this._findMapping(t,this._generate
dMappings,"generatedLine","generatedColumn",n.compareByGeneratedPositionsDeflated,n.getArg(e,"bias",1.GRE
ATEST_LOWER_BOUND));if(r>=0){ var
i=this._generatedMappings[r];if(i.generatedLine===t.generatedLine){ var
s=n.getArg(i,"source",null);null!==s&&(s=this._sources.at(s),null!==this.sourceRoot&&(s=n.join(this.sourceRoot,s)
));var a=n.getArg(i,"name",null);return
null!==a&&(a=this._names.at(a)),{ source:s,line:n.getArg(i,"originalLine",null),column:n.getArg(i,"originalColumn
",null),name:a } } }return { source:null,line:null,column:null,name:null } },c.prototype.hasContentsOfAllSources=function()
{ return !!(this.sourcesContent&&(this.sourcesContent.length>=this._sources.size())&&!this.sourcesContent.some(
(function(e){ return null===e }))) },c.prototype.sourceContentFor=function(e,t) { if(!this.sourcesContent)return
null;if(null!==this.sourceRoot&&(e=n.relative(this.sourceRoot,e)),this._sources.has(e))return
this.sourcesContent[this._sources.indexOf(e)];var r;if(null!==this.sourceRoot&&(r=n.urlParse(this.sourceRoot))){ var
i=e.replace(/^file:\/\//,"");if("file"===r.scheme&&this._sources.has(i))return
this.sourcesContent[this._sources.indexOf(i)];if(!r.path||"/"===r.path)&&this._sources.has("/"+e))return
this.sourcesContent[this._sources.indexOf("/"+e)]if(t)return null;throw new Error("\'+e+' is not in the
SourceMap.\')} },c.prototype.generatedPositionFor=function(e) { var
t=n.getArg(e,"source");if(null!==this.sourceRoot&&(t=n.relative(this.sourceRoot,t)),!this._sources.has(t))return { line:
null,column:null,lastColumn:null };var
r={ source:t=this._sources.indexOf(t),originalLine:n.getArg(e,"line"),originalColumn:n.getArg(e,"column") },i=this._
findMapping(r,this._originalMappings,"originalLine","originalColumn",n.compareByOriginalPositions,n.getArg(e,"
bias",1.GREATEST_LOWER_BOUND));if(i>=0){ var
s=this._originalMappings[i];if(s.source===r.source)return { line:n.getArg(s,"generatedLine",null),column:n.getArg(s,
"generatedColumn",null),lastColumn:n.getArg(s,"lastGeneratedColumn",null) } }return { line:null,column:null,lastCol
umn:null } },t.BasicSourceMapConsumer=c,u.prototype=Object.create(l.prototype),u.prototype.constructor=l,u.proto
type._version=3,Object.defineProperty(u.prototype,"sources",{ get:function(){ for(var
e=[],t=0;t<this._sections.length;t++)for(var
r=0;r<this._sections[t].consumer.sources.length;r++)e.push(this._sections[t].consumer.sources[r]);return
e } },u.prototype.originalPositionFor=function(e) { var
t={ generatedLine:n.getArg(e,"line"),generatedColumn:n.getArg(e,"column") },r=i.search(t,this._sections,(function(e,
t){ var r=e.generatedLine-t.generatedOffset.generatedLine;return r||e.generatedColumn-
t.generatedOffset.generatedColumn })),s=this._sections[r];return
s?s.consumer.originalPositionFor({ line:t.generatedLine-(s.generatedOffset.generatedLine-
1),column:t.generatedColumn-
(s.generatedOffset.generatedLine===t.generatedLine?s.generatedOffset.generatedColumn-
1:0),bias:e.bias }): { source:null,line:null,column:null,name:null } },u.prototype.hasContentsOfAllSources=function() { r
eturn this._sections.every((function(e){ return
e.consumer.hasContentsOfAllSources() }))) },u.prototype.sourceContentFor=function(e,t) { for(var
r=0;r<this._sections.length;r++){ var n=this._sections[r].consumer.sourceContentFor(e,!0);if(n)return n } if(t)return
null;throw new Error("\'+e+' is not in the SourceMap.\')} },u.prototype.generatedPositionFor=function(e) { for(var
t=0;t<this._sections.length;t++){ var r=this._sections[t];if(-
1!==r.consumer.sources.indexOf(n.getArg(e,"source"))){ var
i=r.consumer.generatedPositionFor(e);if(i)return { line:i.line+(r.generatedOffset.generatedLine-
1),column:i.column+(r.generatedOffset.generatedLine===i.line?r.generatedOffset.generatedColumn-
1:0) } } }return { line:null,column:null } },u.prototype._parseMappings=function(e,t) { this._generatedMappings=[],this.
_originalMappings=[];for(var r=0;r<this._sections.length;r++)for(var
i=this._sections[r],s=i.consumer._generatedMappings,a=0;a<s.length;a++){ var
l=s[a],c=i.consumer._sources.at(l.source);null!==i.consumer.sourceRoot&&(c=n.join(i.consumer.sourceRoot,c)),thi

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s._sources.add(c),c=this._sources.indexOf(c);var
p=i.consumer._names.at(l.name);this._names.add(p),p=this._names.indexOf(p);var
u={source:c,generatedLine:l.generatedLine+(i.generatedOffset.generatedLine-
1),generatedColumn:l.generatedColumn+(i.generatedOffset.generatedLine===l.generatedLine?i.generatedOffset.ge
neratedColumn-
1:0),originalLine:l.originalLine,originalColumn:l.originalColumn,name:p};this.__generatedMappings.push(u),"num
ber"==typeof
u.originalLine&&this.__originalMappings.push(u)}o(this.__generatedMappings,n.compareByGeneratedPositionsD
eflated),o(this.__originalMappings,n.compareByOriginalPositions)},t.IndexedSourceMapConsumer=u},function(e,t
){t.GREATEST_LOWER_BOUND=1,t.LEAST_UPPER_BOUND=2,t.search=function(e,r,n,i){if(0===r.length)ret
urn-1;var s=function e(r,n,i,s,a,o){var l=Math.floor((n-r)/2)+r,c=a(i,s[!0]);return 0===c?!c>0?n-
l>1?e(l,n,i,s,a,o):o==t.LEAST_UPPER_BOUND?n<s.length?n-1:l:l-
r>1?e(r,l,i,s,a,o):o==t.LEAST_UPPER_BOUND?!r<0?-1:r}(-
1,r.length,e,r,n,i||t.GREATEST_LOWER_BOUND);if(s<0)return-1;for(;s-1>=0&&0===n(r[s],r[s-1],!0);)--s;return
s}},function(e,t){function r(e,t,r){var n=e[t];e[t]=e[r],e[r]=n}function n(e,t,i,s){if(i<s){var a=i-
1;r(e,(p=i,u=s,Math.round(p+Math.random()*(u-p))),s);for(var
o=e[s],l=i;l<s;l++)t(e[l],o)<=0&&r(e,a+=1,l);r(e,a+1,l);var c=a+1;n(e,t,i,c-1),n(e,t,c+1,s)}var
p,u}t.quickSort=function(e,t){n(e,t,0,e.length-1)},function(e,t,r){var
n=r(119).SourceMapGenerator,i=r(25),s=/(\r?\n)/,a="$$$isSourceNode$$$";function
o(e,t,r,n,i){this.children=[],this.sourceContents={},this.line=null===e?null:e,this.column=null===t?null:t,this.source=
null===r?null:r,this.name=null===i?null:i,this[a]=!0,null!=n&&this.add(n)}o.fromStringWithSourceMap=function(e,t,
r){var n=new o,a=e.split(s),l=0,c=function(){return e()+(e()||"");}function e(){return l<a.length?a[l++]:void
0}},p=1,u=0,d=null;return t.eachMapping((function(e){if(null!=d){if(!(p<e.generatedLine)){var
t=(r=a[l]).substr(0,e.generatedColumn-u);return a[l]=r.substr(e.generatedColumn-
u),u=e.generatedColumn,h(d,t),void(d=e)}h(d,c()),p++,u=0}for(;p<e.generatedLine;)n.add(c()),p++;if(u<e.generat
edColumn){var
r=a[l];n.add(r.substr(0,e.generatedColumn)),a[l]=r.substr(e.generatedColumn),u=e.generatedColumn}d=e}),this),l<a
.length&&(d&&h(d,c()),n.add(a.splice(l).join("")),t.sources.forEach((function(e){var
s=t.sourceContentFor(e);null!=s&&(null!=r&&(e=i.join(r,e)),n.setSourceContent(e,s)})),n;function
h(e,t){if(null===e||void 0===e.source)n.add(t);else{var s=r?i.join(r,e.source):e.source;n.add(new
o(e.originalLine,e.originalColumn,s,t.e.name))}},o.prototype.add=function(e){if(Array.isArray(e))e.forEach((funct
ion(e){this.add(e)}),this);else{if(!e[a]&&"string"!==typeof e)throw new TypeError("Expected a SourceNode, string,
or an array of SourceNodes and strings. Got "+e);e&&this.children.push(e)}return
this},o.prototype.prepend=function(e){if(Array.isArray(e))for(var t=e.length-1;t>=0;t--
)this.prepend(e[t]);else{if(!e[a]&&"string"!==typeof e)throw new TypeError("Expected a SourceNode, string, or an
array of SourceNodes and strings. Got "+e);this.children.unshift(e)}return
this},o.prototype.walk=function(e){for(var
t,r=0,n=this.children.length;r<n;r++)(t=this.children[r])[a]?t.walk(e):""!==t&&e(t,{source:this.source,line:this.line,c
olumn:this.column,name:this.name}),o.prototype.join=function(e){var
t,r,n=this.children.length;if(n>0){for(t=[],r=0;r<n-
1;r++)t.push(this.children[r]),t.push(e);t.push(this.children[r]),this.children=t}return
this},o.prototype.replaceRight=function(e,t){var r=this.children[this.children.length-1];return
r[a]?r.replaceRight(e,t):"string"===typeof r?this.children[this.children.length-
1]=r.replace(e,t):this.children.push("".replace(e,t)),this},o.prototype.setSourceContent=function(e,t){this.sourceCont
ents[i.toSetString(e)]=t},o.prototype.walkSourceContents=function(e){for(var
t=0,r=this.children.length;t<r;t++)this.children[t][a]&&this.children[t].walkSourceContents(e);var
n=Object.keys(this.sourceContents);for(t=0,r=n.length;t<r;t++)e(i.fromSetString(n[t]),this.sourceContents[n[t]]),o.
prototype.toString=function(){var e="";return

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this.walk((function(t){e+=t})),e,o.prototype.toStringWithSourceMap=function(e){var
t={code:"",line:1,column:0},r=new n(e),i=!1,s=null,a=null,o=null,l=null;return
this.walk((function(e,n){t.code+=e,null!==n.source&&null!==n.line&&null!==n.column?(s===n.source&&a===n.l
ine&&o===n.column&&l===n.name||r.addMapping({source:n.source,original:{line:n.line,column:n.column},gener
ated:{line:t.line,column:t.column},name:n.name}),s=n.source,a=n.line,o=n.column,l=n.name,i=!0):i&&(r.addMappi
ng({generated:{line:t.line,column:t.column}}),s=null,i=!1);for(var
c=0,p=e.length;c<p;c++)10===e.charCodeAt(c)?(t.line++,t.column=0,c+1===p?(s=null,i=!1):i&&r.addMapping({s
ource:n.source,original:{line:n.line,column:n.column},generated:{line:t.line,column:t.column},name:n.name)):t.col
umn++)),this.walkSourceContents((function(e,t){r.setSourceContent(e,t)}),{code:t.code,map:r}),t.SourceNode=o
},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n,i=(n=r(324))&&n.__esModule?n:{default:n},s=c(r(122)),a=c(r(0)),o=c(r(327));function l(){if("function"!==typeof
WeakMap)return null;var e=new WeakMap;return l=function(){return e},e}function
c(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var
t=l();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i
in e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}const p=/e/i,u=/\./,d=/^0[box]/,h=/^\s*[@#]__PURE__\s*$/;class
f{constructor(e,t){this.inForStatementInitCounter=0,this._printStack=[],this._indent=0,this._insideAux=!1,this._prin
tedCommentStarts={},this._parenPushNewlineState=null,this._noLineTerminator=!1,this._printAuxAfterOnNextUs
erNode=!1,this._printedComments=new
WeakSet,this._endsWithInteger=!1,this._endsWithWord=!1,this.format=e||{ },this._buf=new
i.default(t)}generate(e){return
this.print(e),this._maybeAddAuxComment(),this._buf.get()}indent(){this.format.compact||this.format.concise||this._i
ndent++}dedent(){this.format.compact||this.format.concise||this._indent--
}semicolon(e=!1){this._maybeAddAuxComment(),this._append(";",!e)}rightBrace(){this.format.minified&&this._b
uf.removeLastSemicolon(),this.token("")}space(e=!1){this.format.compact||(this._buf.hasContent())&&!this.endsW
ith("
")&&!this.endsWith("\n")||e)&&this._space()}word(e){(this._endsWithWord||this.endsWith("/")&&0===e.indexOf
("/")&&this._space(),this._maybeAddAuxComment(),this._append(e),this._endsWithWord=!0}number(e){this.wor
d(e),this._endsWithInteger=Number.isInteger(+e)&&!d.test(e)&&!p.test(e)&&!u.test(e)&&". "!==e[e.length-
1]}token(e){("--"===e&&this.endsWith("!")||"+"===e[0]&&this.endsWith("+")||"- "===e[0]&&this.endsWith("-
")||"."===e[0]&&this._endsWithInteger)&&this._space(),this._maybeAddAuxComment(),this._append(e)}newline(
e){if(!this.format.retainLines&&!this.format.compact)if(this.format.concise)this.space();else
if(!this.endsWith("\n\n")||("number"!==typeof
e&&(e=1),e=Math.min(2,e),(this.endsWith("\n")||this.endsWith(":\n"))&&e--,e<=0))for(let
t=0;t<e;t++)this._newline()}endsWith(e){return
this._buf.endsWith(e)}removeTrailingNewline(){this._buf.removeTrailingNewline()}exactSource(e,t){this._catchU
p("start",e),this._buf.exactSource(e,t)}source(e,t){this._catchUp(e,t),this._buf.source(e,t)}withSource(e,t,r){this._c
atchUp(e,t),this._buf.withSource(e,t,r)}_space(){this._append("
,!0)}_newline(){this._append("\n",!0)}_append(e,t=!1){this._maybeAddParen(e),this._maybeIndent(e),t?this._buf.
queue(e):this._buf.append(e),this._endsWithWord=!1,this._endsWithInteger=!1}_maybeIndent(e){this._indent&&t
his.endsWith("\n")&&"\n"!==e[0]&&this._buf.queue(this._getIndent())}_maybeAddParen(e){const
t=this._parenPushNewlineState;if(!t)return;let r;for(r=0;r<e.length&&
"===e[r];r++)continue;if(r===e.length)return;const n=e[r];if("\n"===n){if("!"===n[r+1]===e.length)return
void(this._parenPushNewlineState=null);const t=e[r+1];if("*"===t){if(h.test(e.slice(r+2,e.length-2)))return}else
if("!"===t)return
void(this._parenPushNewlineState=null)}this.token(""),this.indent(),t.printed=!0}_catchUp(e,t){if(!this.format.retai
nLines)return;const r=t[e]:null;if(null!=(null===r?void 0:r.line)){const e=r.line-this._buf.getCurrentLine();for(let

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t=0;t<e;t++)this._newline()}_getIndent(){return
this.format.indent.style.repeat(this._indent)}startTerminatorless(e=!1){return
e?(this._noLineTerminator=!0,null):this._parenPushNewLineState={printed:!1}endTerminatorless(e){this._noLine
Terminator=!1,(null===e?void
0:e.printed)&&(this.dedent(),this.newline(),this.token(""))}print(e,t){if(!e)return;const
r=this.format.concise;e._compact&&(this.format.concise=!0);const n=this[e.type];if(!n)throw new
ReferenceError(`unknown node of type ${JSON.stringify(e.type)} with constructor ${JSON.stringify(null===e?void
0:e.constructor.name)}`);this._printStack.push(e);const
i=this._insideAux;this._insideAux=!e.loc,this._maybeAddAuxComment(this._insideAux&&!i);let
o=s.needsParens(e,t,this._printStack);this.format.retainFunctionParens&&"FunctionExpression"===e.type&&e.extra
a&&e.extra.parenthesized&&(o=!0),o&&this.token("("),this._printLeadingComments(e);const
l=a.isProgram(e)||a.isFile(e)?null:e.loc;this.withSource("start",l,()=>{n.call(this,e,t)}),this._printTrailingComments(
e),o&&this.token(")"),this._printStack.pop(),this.format.concise=r,this._insideAux=i}_maybeAddAuxComment(e){
e&&this._printAuxBeforeComment(),this._insideAux||this._printAuxAfterComment()}_printAuxBeforeComment()
{if(this._printAuxAfterOnNextUserNode)return;this._printAuxAfterOnNextUserNode=!0;const
e=this.format.auxiliaryCommentBefore;e&&this._printComment({type:"CommentBlock",value:e})}_printAuxAfter
Comment(){if(!this._printAuxAfterOnNextUserNode)return;this._printAuxAfterOnNextUserNode=!1;const
e=this.format.auxiliaryCommentAfter;e&&this._printComment({type:"CommentBlock",value:e})}getPossibleRaw(
e){const t=e.extra;if(t&&null!=t.raw&&null!=t.rawValue&&e.value===t.rawValue)return
t.raw}printJoin(e,t,r={}){if(!(null===e?void 0:e.length))return;r.indent&&this.indent();const
n={addNewLines:r.addNewLines};for(let i=0;i<e.length;i++){const
s=e[i];s&&(r.statement&&this._printNewline(!0,s,t,n),this.print(s,t),r.iterator&&r.iterator(s,i),r.separator&&i<e.len
gth-
1&&r.separator.call(this),r.statement&&this._printNewline(!1,s,t,n))r.indent&&this.dedent()}printAndIndentOnCo
mments(e,t){const
r=e.leadingComments&&e.leadingComments.length>0;r&&this.indent(),this.print(e,t),r&&this.dedent()}printBlock
(e){const
t=e.body;a.isEmptyStatement(t)||this.space(),this.print(t,e)}_printTrailingComments(e){this._printComments(this._g
etComments(!1,e))}_printLeadingComments(e){this._printComments(this._getComments(!0,e,!0)}printInnerCom
ments(e,t=!0){var r;(null==(r=e.innerComments)?void
0:r.length)&&(t&&this.indent(),this._printComments(e.innerComments),t&&this.dedent())}printSequence(e,t,r={})
{return r.statement=!0,this.printJoin(e,t,r)}printList(e,t,r={}){return
null==r.separator&&(r.separator=m),this.printJoin(e,t,r)}_printNewline(e,t,r,n){if(this.format.retainLines||this.forma
t.compact)return;if(this.format.concise)return void this.space();let
i=0;if(this._buf.hasContent()){e||i++,n.addNewLines&&(i+=n.addNewLines(e,t)||0);(e?s.needsWhitespaceBefore:s.ne
edsWhitespaceAfter)(t,r)&&i++}this.newline(i)}_getComments(e,t){return
t&&(e?t.leadingComments:t.trailingComments)||[]}_printComment(e,t){if(!this.format.shouldPrintComment(e.valu
e))return;if(e.ignore)return;if(this._printedComments.has(e))return;if(this._printedComments.add(e),null!=e.start){if
(this._printedCommentStarts[e.start])return;this._printedCommentStarts[e.start]=!0}const
r="CommentBlock"===e.type,n=r&&!t&&!this._noLineTerminator;n&&this._buf.hasContent()&&this.newline(1),t
his.endsWith("[")||this.endsWith("{")||this.space();let
i=r||this._noLineTerminator?/*${e.value}*//*^:/*${e.value}*/\n`;if(r&&this.format.indent.adjustMultilineComment){
var s;const t=null==(s=e.loc)?void 0:s.start.column;if(t){const e=new
RegExp("\\\\n\\\\s{1,\"+t+\"}","g");i=i.replace(e,"\\n")}const
r=Math.max(this._getIndent().length,this.format.retainLines?0:this._buf.getCurrentColumn());i=i.replace(/\\n(?!$)/g,
"\\n"+"
".repeat(r))this.endsWith("/")&&this._space(),this.withSource("start",e.loc,()=>{this._append(i)}),n&&this.newlin
e(1)}_printComments(e,t){if(null===e?void

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0:e.length;if(t&&1===e.length&&h.test(e[0].value))this._printComment(e[0],this._buf.hasContent()&&!this.endsWith("\n"));else for(const t of e)this._printComment(t)printAssertions(e){ var t;(null==(t=e.assertions)?void 0:t.length)&&(this.space(),this.word("assert"),this.space(),this.token("{"),this.space(),this.printList(e.assertions,e),this.space(),this.token("}"))} }function
m(){this.token(", "),this.space()}t.default=f,Object.assign(f.prototype,o),function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value: !0 }); t.default=void 0;const n=/^[\
\t]+$/;t.default=class{ constructor(e){ this._map=null,this._buf=[],this._last="",this._queue=[],this._position={ line: 1,
column: 0 },this._sourcePosition={ identifierName: null,line: null,column: null,filename: null },this._disallowedPop=null
,this._map=e}get(){ this._flush();const
e=this._map,t={ code:this._buf.join("").trimRight(),map: null,rawMappings: null===e?void
0:e.getRawMappings()};return e&&Object.defineProperty(t, "map", { configurable: !0, enumerable: !0, get(){ return
this.map=e.get() }, set(e){ Object.defineProperty(this, "map", { value: e, writable: !0 }) } }, t)append(e){ this._flush();const
{ line: t, column: r, filename: n, identifierName: i, force: s }=this._sourcePosition;this._append(e, t, r, i, n, s)}queue(e){ if("\n"
===e)for(;this._queue.length>0&&n.test(this._queue[0][0]);)this._queue.shift();const { line: t, column: r, filename: i, ide
ntifierName: s, force: a }=this._sourcePosition;this._queue.unshift([e, t, r, s, i, a])}_flush(){ let
e;for(;e=this._queue.pop();){ this._append(...e)}_append(e, t, r, n, i, s){ this._buf.push(e), this._last=e[e.length-1]; let
a=e.indexOf("\n"), o=0;for(0!==a&&this._mark(t, r, n, i, s);-
1!==a;){ this._position.line++, this._position.column=0, o=a+1, o<e.length&&this._mark(++t, 0, n, i, s), a=e.indexOf("\n"
,o); this._position.column+=e.length-o}_mark(e, t, r, n, i){ var
s;null==(s=this._map)||s.mark(this._position.line, this._position.column, e, t, r, n, i)}removeTrailingNewline(){ this._que
ue.length>0&&"\n"===this._queue[0][0]&&this._queue.shift()}removeLastSemicolon(){ this._queue.length>0&&"
;"===this._queue[0][0]&&this._queue.shift()}endsWith(e){ if(1===e.length){ let t; if(this._queue.length>0){ const
e=this._queue[0][0]; t=e[e.length-1]} else t=this._last; return t===e}const
t=this._last+this._queue.reduce((e, t)=>t[0]+e, ""); return e.length<=t.length&&t.slice(-
e.length)===e}hasContent(){ return
this._queue.length>0||!this._last}exactSource(e, t){ this.source("start", e, !0), t(), this.source("end", e), this._disallowPop
("start", e)}source(e, t, r){ e&&!t||this._normalizePosition(e, t, this._sourcePosition, r)}withSource(e, t, r){ if(!this._map)re
turn r();const
n=this._sourcePosition.line, i=this._sourcePosition.column, s=this._sourcePosition.filename, a=this._sourcePosition.id
entifierName; this.source(e, t), r(), this._sourcePosition.force&&this._sourcePosition.line===n&&this._sourcePosition
.column===i&&this._sourcePosition.filename===s||this._disallowedPop&&this._disallowedPop.line===n&&this._
disallowedPop.column===i&&this._disallowedPop.filename===s||(this._sourcePosition.line=n, this._sourcePosition.
column=i, this._sourcePosition.filename=s, this._sourcePosition.identifierName=a, this._sourcePosition.force=!1, this.
_disallowedPop=null)}_disallowPop(e, t){ e&&!t||this._disallowedPop=this._normalizePosition(e, t)}_normalizePos
ition(e, t, r, n){ const i=t?t[e]: null; void
0===r&&(r={ identifierName: null, line: null, column: null, filename: null, force: !1 });const
s=r.line, a=r.column, o=r.filename; return r.identifierName="start"===e&&(null==t?void
0:t.identifierName)||null, r.line=null==i?void 0:i.line, r.column=null==i?void 0:i.column, r.filename=null==t?void
0:t.filename, (n||r.line!==s||r.column!==a||r.filename!==o)&&(r.force=n), r}getCurrentColumn(){ const
e=this._queue.reduce((e, t)=>t[0]+e, ""), t=e.lastIndexOf("\n"); return -1===t?this._position.column+e.length:e.length-
1-t}getCurrentLine(){ const e=this._queue.reduce((e, t)=>t[0]+e, ""); let t=0; for(let
r=0; r<e.length; r++){ "\n"===e[r]&&t++; return this._position.line+t } }, function(e, t, r){ "use
strict"; Object.defineProperty(t, "__esModule", { value: !0 }); t.list=t.nodes=void 0; var
n=function(e){ if(e&&e.__esModule) return e; if(null===e||"object"!==typeof e&&"function"!==typeof
e) return { default: e }; var t=i(); if(t&&t.has(e)) return t.get(e); var
r={ }, n=Object.defineProperty&&Object.getOwnPropertyDescriptor; for(var s in
e)if(Object.prototype.hasOwnProperty.call(e, s)){ var
a=n?Object.getOwnPropertyDescriptor(e, s): null; a&&(a.get||a.set)?Object.defineProperty(r, s, a): r[s]=e[s]} r.default=e

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,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e,t={}){return
n.isMemberExpression(e)||n.isOptionalMemberExpression(e)?(s(e.object,t),e.computed&&s(e.property,t)):n.isBinary
y(e)||n.isAssignmentExpression(e)?(s(e.left,t),s(e.right,t)):n.isCallExpression(e)||n.isOptionalCallExpression(e)?(t.ha
sCall=!0,s(e.callee,t)):n.isFunction(e)?t.hasFunction=!0:n.isIdentifier(e)&&(t.hasHelper=t.hasHelper||a(e.callee)),t)f
unction a(e){return
n.isMemberExpression(e)?a(e.object)||a(e.property):n.isIdentifier(e)?"require"===e.name||"_"===e.name[0]:n.isCall
Expression(e)?a(e.callee):(!n.isBinary(e)&&!n.isAssignmentExpression(e))&&(n.isIdentifier(e.left)&&a(e.left)||a(e
.right))}function o(e){return
n.isLiteral(e)||n.isObjectExpression(e)||n.isArrayExpression(e)||n.isIdentifier(e)||n.isMemberExpression(e)}const
l={ AssignmentExpression(e){ const
t=s(e.right);if(t.hasCall&&t.hasHelper||t.hasFunction)return {before:t.hasFunction,after:!0}},SwitchCase:(e,t)=>({be
fore:e.consequent.length|t.cases[0]===e,after:!e.consequent.length&&t.cases[t.cases.length-
1]===e)),LogicalExpression(e){if(n.isFunction(e.left)||n.isFunction(e.right))return {after:!0}},Literal(e){if("use
strict"===e.value)return {after:!0}},CallExpression(e){if(n.isFunction(e.callee)||a(e))return {before:!0,after:!0}},Opti
onalCallExpression(e){if(n.isFunction(e.callee))return {before:!0,after:!0}},VariableDeclaration(e){for(let
t=0;t<e.declarations.length;t++){const r=e.declarations[t];let n=a(r.id)&&!o(r.init);if(!n){const
e=s(r.init);n=a(r.init)&&e.hasCall||e.hasFunction}if(n)return {before:!0,after:!0}},IfStatement(e){if(n.isBlockState
ment(e.consequent))return {before:!0,after:!0}},t.nodes=l,l.ObjectProperty=l.ObjectTypeProperty=l.ObjectMethod
=function(e,t){if(t.properties[0]===e)return {before:!0}},l.ObjectTypeCallProperty=function(e,t){var
r;if(t.callProperties[0]===e&&(null==(r=t.properties)?void
0:r.length))return {before:!0}},l.ObjectTypeIndexer=function(e,t){var
r,n;if(t.indexers[0]===e&&(null==(r=t.properties)?void 0:r.length)&&(null==(n=t.callProperties)?void
0:n.length))return {before:!0}},l.ObjectTypeInternalSlot=function(e,t){var
r,n,i;if(t.internalSlots[0]===e&&(null==(r=t.properties)?void 0:r.length)&&(null==(n=t.callProperties)?void
0:n.length)&&(null==(i=t.indexers)?void 0:i.length))return {before:!0}};const
c={ VariableDeclaration:e=>e.declarations.map(e=>e.init),ArrayExpression:e=>e.elements,ObjectExpression:e=>e.p
roperties};t.list=c,[["Function",!0],["Class",!0],["Loop",!0],["LabeledStatement",!0],["SwitchStatement",!0],["TrySt
atement",!0]].forEach((function([e,t]){ "boolean"===typeof
t&&(t={ after:t,before:t})),[e].concat(n.FLIPPED_ALIAS_KEYS[e]||[]).forEach((function(e){l[e]=function(){return
t}}))}),function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.NullableTypeAnnotation=function(e,t){return
n.isArrayTypeAnnotation(t),t.FunctionTypeAnnotation=function(e,t,r){return
n.isUnionTypeAnnotation(t)||n.isIntersectionTypeAnnotation(t)||n.isArrayTypeAnnotation(t)||n.isTypeAnnotation(t)
&&n.isArrowFunctionExpression(r[r.length-3])},t.UpdateExpression=function(e,t){return
o(e,t)||a(e,t)},t.ObjectExpression=function(e,t,r){return
p(r,{ considerArrow:!0})},t.DoExpression=function(e,t,r){return
p(r)},t.Binary=function(e,t){if("**"===e.operator&&n.isBinaryExpression(t,{ operator:"**"}))return
t.left===e;if(a(e,t))return!0;if(o(e,t)||n.isUnaryLike(t)||n.isAwaitExpression(t))return!0;if(n.isBinary(t)){const
r=t.operator,i=s[r],a=e.operator,o=s[a];if(i===o&&t.right===e&&!n.isLogicalExpression(t)||i>o)return!0}},t.Interse
ctionTypeAnnotation=t.UnionTypeAnnotation=function(e,t){return
n.isArrayTypeAnnotation(t)||n.isNullableTypeAnnotation(t)||n.isIntersectionTypeAnnotation(t)||n.isUnionTypeAnno
tation(t)},t.TSAsExpression=function(){return!0},t.TSTypeAssertion=function(){return!0},t.TSIntersectionType=t.
TSUnionType=function(e,t){return
n.isTSArrayType(t)||n.isTSOptionalType(t)||n.isTSIntersectionType(t)||n.isTSUnionType(t)||n.isTSRestType(t)},t.TS
InferType=function(e,t){return
n.isTSArrayType(t)||n.isTSOptionalType(t)},t.BinaryExpression=function(e,t){return"in"===e.operator&&(n.isVari
ableDeclarator(t)||n.isFor(t))},t.SequenceExpression=function(e,t){if(n.isForStatement(t)||n.isThrowStatement(t)||n.is

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```

ReturnStatement(t)||n.isIfStatement(t)&& t.test===e||n.isWhileStatement(t)&& t.test===e||n.isForInStatement(t)&& t.
right===e||n.isSwitchStatement(t)&& t.discriminant===e||n.isExpressionStatement(t)&& t.expression===e)return !1;r
return!0},t.AwaitExpression=t.YieldExpression=function(e,t){return
n.isBinary(t)||n.isUnaryLike(t)||o(e,t)||n.isAwaitExpression(t)&&n.isYieldExpression(e)||n.isConditionalExpression(t
)&&e===t.test||a(e,t),t.ClassExpression=function(e,t,r){return
p(r,{considerDefaultExports:!0}),t.UnaryLike=l,t.FunctionExpression=function(e,t,r){return
p(r,{considerDefaultExports:!0}),t.ArrowFunctionExpression=function(e,t){return
n.isExportDeclaration(t)||c(e,t),t.ConditionalExpression=c,t.OptionalCallExpression=t.OptionalMemberExpression
=function(e,t){return
n.isCallExpression(t,{callee:e})||n.isMemberExpression(t,{object:e}),t.AssignmentExpression=function(e,t,r){retur
n!!n.isObjectPattern(e.left)||c(e,t),t.LogicalExpression=function(e,t){switch(e.operator){case"||":return!!n.isLogical
Expression(t)&&("??"===t.operator||"&&"===t.operator);case"&&":return
n.isLogicalExpression(t,{operator:"??"});case"??":return n.isLogicalExpression(t)&&"??"!==t.operator}};var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}const
s={"||":0,"??:0,"&&":1,"|":2,"^":3,"&":4,"===":5,"==":5,"!=":5,"!==":5,"<":6,">":6,"<=":6,">=":6,in:6,instanceof:6
,">>":7,"<<":7,">>>":7,"+":8,"-
":8,"*":9,"/":9,"%":9,"**":10},a=(e,t)=>(n.isClassDeclaration(t)||n.isClassExpression(t)&&t.superClass===e,o=(e,t
)=>(n.isMemberExpression(t)||n.isOptionalMemberExpression(t)&&t.object===e||n.isCallExpression(t)||n.isOptio
nalCallExpression(t)||n.isNewExpression(t)&&t.callee===e||n.isTaggedTemplateExpression(t)&&t.tag===e||n.isTS
NonNullExpression(t);function l(e,t){return o(e,t)||n.isBinaryExpression(t,{operator:"**",left:e})||a(e,t)}function
c(e,t){return!(n.isUnaryLike(t)||n.isBinary(t)||n.isConditionalExpression(t,{test:e})||n.isAwaitExpression(t)||n.isTST
ypeAssertion(t)||n.isTSAsExpression(t)||l(e,t))}function
p(e,{considerArrow:t=!1,considerDefaultExports:r=!1}={}){let i=e.length-1,s=e[i];i--;let
a=e[i];for(;i>=0;){if(n.isExpressionStatement(a,{expression:s})||r&&n.isExportDefaultDeclaration(a,{declaration:s}
)||t&&n.isArrowFunctionExpression(a,{body:s}))return!0;if(!(o(s,a)&&!n.isNewExpression(a)||n.isSequenceExpres
sion(a)&&a.expressions[0]===s||n.isConditional(a,{test:s})||n.isBinary(a,{left:s})||n.isAssignmentExpression(a,{left
:s})))return!1;s=a,i--,a=e[i]}return!1}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0});var
n=r(328);Object.keys(n).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===n[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return n[e]}})})));var
i=r(329);Object.keys(i).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===i[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return i[e]}})})));var
s=r(330);Object.keys(s).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===s[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return s[e]}})})));var
a=r(331);Object.keys(a).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===a[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return a[e]}})})));var
o=r(332);Object.keys(o).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===o[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return o[e]}})})));var
l=r(123);Object.keys(l).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===l[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return l[e]}})})));var
c=r(124);Object.keys(c).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===c[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return c[e]}})})));var

```

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p=r(334);Object.keys(p).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===p[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return p[e]}})}));var
u=r(335);Object.keys(u).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===u[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return u[e]}})}));var
d=r(336);Object.keys(d).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===d[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return d[e]}})}));var
h=r(337);Object.keys(h).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===h[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return h[e]}})})),function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.TaggedTemplateExpression=function(e){this.print(e.tag,
e),this.print(e.typeParameters,e),this.print(e.quasi,e)},t.TemplateElement=function(e,t){const
r=t.quasis[0]===e,n=t.quasis[t.quasis.length-
1]===e,i=(r?"":"")+e.value.raw+(n?"":"$");this.token(i)},t.TemplateLiteral=function(e){const t=e.quasis;for(let
r=0;r<t.length;r++)this.print(t[r],e),r+1<t.length&&this.print(e.expressions[r],e)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.UnaryExpression=function(e){ "void"===e.operator||"del
ete"===e.operator||"typeof"===e.operator||"throw"===e.operator?(this.word(e.operator),this.space()):this.token(e.op
erator);this.print(e.argument,e)},t.DoExpression=function(e){this.word("do"),this.space(),this.print(e.body,e)},t.Pare
nthesizedExpression=function(e){this.token("("),this.print(e.expression,e),this.token(")")},t.UpdateExpression=funct
ion(e){e.prefix?(this.token(e.operator),this.print(e.argument,e)):(this.startTerminatorless(!0),this.print(e.argument,e),
this.endTerminatorless(),this.token(e.operator))},t.ConditionalExpression=function(e){this.print(e.test,e),this.space()
,this.token("?"),this.space(),this.print(e.consequent,e),this.space(),this.token(":"),this.space(),this.print(e.alternate,e)
},t.NewExpression=function(e,t){if(this.word("new"),this.space(),this.print(e.callee,e),this.format.minified&&0===e.
arguments.length&&!e.optional&&!n.isCallExpression(t,{callee:e})&&!n.isMemberExpression(t)&&!n.isNewExpr
ession(t))return;this.print(e.typeArguments,e),this.print(e.typeParameters,e),e.optional&&this.token("?.");this.token(
""),this.printList(e.arguments,e),this.token(")"),t.SequenceExpression=function(e){this.printList(e.expressions,e)},
t.ThisExpression=function(){this.word("this")},t.Super=function(){this.word("super")},t.Decorator=function(e){this
.token "@"},this.print(e.expression,e),this.newline(),t.OptionalMemberExpression=function(e){if(this.print(e.objec
t,e),!e.computed&&n.isMemberExpression(e.property))throw new TypeError("Got a MemberExpression for
MemberExpression property");let t=e.computed;n.isLiteral(e.property)&&"number"===typeof
e.property.value&&(t=!0);e.optional&&this.token("?.");t?(this.token("["),this.print(e.property,e),this.token("]")):(e.o
ptional||this.token("."),this.print(e.property,e)),t.OptionalCallExpression=function(e){this.print(e.callee,e),this.print
(e.typeArguments,e),this.print(e.typeParameters,e),e.optional&&this.token("?.");this.token("("),this.printList(e,argu
ments,e),this.token(")"),t.CallExpression=function(e){this.print(e.callee,e),this.print(e.typeArguments,e),this.print(
e.typeParameters,e),this.token("("),this.printList(e.arguments,e),this.token(")"),t.Import=function(){this.word("imp
ort")},t.EmptyStatement=function(){this.semicolon(!0)},t.ExpressionStatement=function(e){this.print(e.expression,
e),this.semicolon(),t.AssignmentPattern=function(e){this.print(e.left,e),e.left.optional&&this.token("?");this.print(e
.left.typeAnnotation,e),this.space(),this.token("="),this.space(),this.print(e.right,e)},t.LogicalExpression=t.BinaryEx
pression=t.AssignmentExpression=function(e,t){const
r=this.inForStatementInitCounter&&"in"===e.operator&&!i.needsParens(e,t);r&&this.token("(");this.print(e.left,e),
this.space(),"in"===e.operator||"instanceof"===e.operator?this.word(e.operator):this.token(e.operator);this.space(),t
his.print(e.right,e),r&&this.token(")"),t.BindExpression=function(e){this.print(e.object,e),this.token("::"),this.print(
e.callee,e)},t.MemberExpression=function(e){if(this.print(e.object,e),!e.computed&&n.isMemberExpression(e.prop
erty))throw new TypeError("Got a MemberExpression for MemberExpression property");let
t=e.computed;n.isLiteral(e.property)&&"number"===typeof
e.property.value&&(t=!0);t?(this.token("["),this.print(e.property,e),this.token("]")):(this.token("."),this.print(e.proper
ty,e)),t.MetaProperty=function(e){this.print(e.meta,e),this.token("."),this.print(e.property,e)},t.PrivateName=functi
on(e){this.token("#"),this.print(e.id,e)},t.V8IntrinsicIdentifier=function(e){this.token("%"),this.word(e.name)},t.Aw
aitExpression=t.YieldExpression=void 0;var n=a(r(0)),i=a(r(122));function s(){if("function"!==typeof
WeakMap)return null;var e=new WeakMap;return s=function(){return e},e}function

```

```

a(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var
t=s();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i
in e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}function o(e){return
function(t){if(this.word(e),t.delegate&&this.token("*"),t.argument){this.space();const
e=this.startTerminatorless();this.print(t.argument,t),this.endTerminatorless(e)}}}const
l=o("yield");t.YieldExpression=l;const c=o("await");t.AwaitExpression=c},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.WithStatement=function(e){this.word("with"),this.space(
),this.token("("),this.print(e.object,e),this.token(")"),this.printBlock(e)},t.IfStatement=function(e){this.word("if"),thi
s.space(),this.token("("),this.print(e.test,e),this.token(")"),this.space();const t=e.alternate&&n.isIfStatement(function
e(t){return
n.isStatement(t.body)?e(t.body):t}(e.consequent));t&&(this.token("{"),this.newline(),this.indent());this.printAndInd
entOnComments(e.consequent,e),t&&(this.dedent(),this.newline(),this.token("}"));e.alternate&&(this.endsWith(" "
)&&this.space(),this.word("else"),this.space(),this.printAndIndentOnComments(e.alternate,e)),t.ForStatement=funct
ion(e){this.word("for"),this.space(),this.token("("),this.inForStatementInitCounter++,this.print(e.init,e),this.inForS
tatementInitCounter--
,this.token(";"),e.test&&(this.space(),this.print(e.test,e));this.token(";"),e.update&&(this.space(),this.print(e.update,e
));this.token(")"),this.printBlock(e)},t.WhileStatement=function(e){this.word("while"),this.space(),this.token("("),thi
s.print(e.test,e),this.token(")"),this.printBlock(e)},t.DoWhileStatement=function(e){this.word("do"),this.space(),this.
print(e.body,e),this.space(),this.word("while"),this.space(),this.token("("),this.print(e.test,e),this.token(")"),this.semi
colon(),t.LabeledStatement=function(e){this.print(e.label,e),this.token(":"),this.space(),this.print(e.body,e)},t.TrySt
atement=function(e){this.word("try"),this.space(),this.print(e.block,e),this.space(),e.handlers?this.print(e.handlers[0
],e):this.print(e.handler,e);e.finalizer&&(this.space(),this.word("finally"),this.space(),this.print(e.finalizer,e)),t.Catch
Clause=function(e){this.word("catch"),this.space(),e.param&&(this.token("("),this.print(e.param,e),this.print(e.para
m.typeAnnotation,e),this.token(")"),this.space());this.print(e.body,e)},t.SwitchStatement=function(e){this.word("swi
tch"),this.space(),this.token("("),this.print(e.discriminant,e),this.token(")"),this.space(),this.token("{"),this.printSequ
ence(e.cases,e,{indent:!0,addNewlines(t,r){if(!t&&e.cases[e.cases.length-1]===r)return-
1}},this.token("}")),t.SwitchCase=function(e){e.test?(this.word("case"),this.space(),this.print(e.test,e),this.token(":
")):(this.word("default"),this.token(":"));e.consequent.length&&(this.newline(),this.printSequence(e.consequent,e,{i
ndent:!0})),t.DebuggerStatement=function(){this.word("debugger"),this.semicolon(),t.VariableDeclaration=functi
on(e,t){e.declare&&(this.word("declare"),this.space());this.word(e.kind),this.space();let
r,i=!1;if(!n.isFor(t))for(const t of
e.declarations)t.init&&(i=!0);i&&(r="const"===e.kind?f:h);if(this.printList(e.declarations,e,{separator:r}),n.isFor(t)
&&(t.left===e||t.init===e))return this.semicolon(),t.VariableDeclarator=function(e){this.print(e.id,e),e.definite&&t
his.token("!");this.print(e.id.typeAnnotation,e),e.init&&(this.space(),this.token("="),this.space(),this.print(e.init,e))},
t.ThrowStatement=t.BreakStatement=t.ReturnStatement=t.ContinueStatement=t.ForOfStatement=t.ForInStatement=
void 0;var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}const s=function(e){return
function(t){this.word("for"),this.space(),"of"===e&&t.await&&(this.word("await"),this.space()),this.token("("),this.
print(t.left,t),this.space(),this.word(e),this.space(),this.print(t.right,t),this.token(")"),this.printBlock(t)},a=s("in");t.F
orInStatement=a;const o=s("of");function l(e,t="label"){return function(r){this.word(e);const
n=r[t];if(n){this.space();const

```



```

e="label"==t,i=this.startTerminatorless(e);this.print(n,r),this.endTerminatorless(i)}this.semicolon()}}t.ForOfStatement=o;const c=l("continue");t.ContinueStatement=c;const p=l("return","argument");t.ReturnStatement=p;const u=l("break");t.BreakStatement=u;const d=l("throw","argument");function
h(){if(this.token(","),this.newline(),this.endsWith("\n"))for(let e=0;e<4;e++)this.space(!0)}function
f(){if(this.token(","),this.newline(),this.endsWith("\n"))for(let
e=0;e<6;e++)this.space(!0)}t.ThrowStatement=d},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.ClassExpression=t.ClassDeclaration=function(e,t){this.format.decoratorsBeforeExport&&(n.isExportDefaultDeclaration(t)||n.isExportNamedDeclaration(t))||this.printJoin(e
.decorators,e);e.declare&&(this.word("declare"),this.space());e.abstract&&(this.word("abstract"),this.space());this.w
ord("class"),e.id&&(this.space(),this.print(e.id,e));this.print(e.typeParameters,e),e.superClass&&(this.space(),this.w
ord("extends"),this.space(),this.print(e.superClass,e),this.print(e.superTypeParameters,e));e.implements&&(this.spa
ce(),this.word("implements"),this.space(),this.printList(e.implements,e));this.space(),this.print(e.body,e)},t.ClassBo
dy=function(e){this.token("{"),this.printInnerComments(e),0===e.body.length?this.token("}):(this.newline(),this.i
ndent(),this.printSequence(e.body,e),this.dedent(),this.endsWith("\n"))||this.newline(),this.rightBrace()}},t.ClassProp
erty=function(e){this.printJoin(e.decorators,e),this.tsPrintClassMemberModifiers(e,!0),e.computed?(this.token("["),t
his.print(e.key,e),this.token("]")):(this._variance(e),this.print(e.key,e));e.optional&&this.token("?");e.definite&&this
.token("!");this.print(e.typeAnnotation,e),e.value&&(this.space(),this.token("="),this.space(),this.print(e.value,e));thi
s.semicolon(),t.ClassPrivateProperty=function(e){this.printJoin(e.decorators,e),e.static&&(this.word("static"),this.s
pace());this.print(e.key,e),this.print(e.typeAnnotation,e),e.value&&(this.space(),this.token("="),this.space(),this.print
(e.value,e));this.semicolon(),t.ClassMethod=function(e){this._classMethodHead(e),this.space(),this.print(e.body,e)
},t.ClassPrivateMethod=function(e){this._classMethodHead(e),this.space(),this.print(e.body,e)},t._classMethodHea
d=function(e){this.printJoin(e.decorators,e),this.tsPrintClassMemberModifiers(e,!1),this._methodHead(e)},t.StaticB
lock=function(e){this.word("static"),this.space(),this.token("{"),0===e.body.length?this.token("}):(this.newline(),t
his.printSequence(e.body,e,{indent:!0}),this.rightBrace());var n=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t._params=function(e){this.print(e.typeParameters,e),this.t
oken("("),this._parameters(e.params,e),this.token(")"),this.print(e.returnType,e)},t._parameters=function(e,t){for(let
r=0;r<e.length;r++)this._param(e[r],t),r<e.length-
1&&(this.token(","),this.space())},t._param=function(e,t){this.printJoin(e.decorators,e),this.print(e,t),e.optional&&t
his.token("?");this.print(e.typeAnnotation,e)},t._methodHead=function(e){const
t=e.kind,r=e.key;"get"!==t&&"set"!==t||(this.word(t),this.space());e.async&&(this._catchUp("start",r.loc),this.word(
"async"),this.space());"method"!==t&&"init"!==t||e.generator&&this.token("*");e.computed?(this.token("["),this.pri
nt(r,e),this.token("]")):this.print(r,e);e.optional&&this.token("?");this._params(e)},t._predicate=function(e){e.predic
ate&&(e.returnType||this.token(":"),this.space(),this.print(e.predicate,e)),t._functionHead=function(e){e.async&&(
this.word("async"),this.space());this.word("function"),e.generator&&this.token("*");this.space(),e.id&&this.print(e.i
d,e);this._params(e),this._predicate(e)},t.FunctionDeclaration=t.FunctionExpression=function(e){this._functionHea
d(e),this.space(),this.print(e.body,e)},t.ArrowFunctionExpression=function(e){e.async&&(this.word("async"),this.s
pace());const t=e.params[0];1===e.params.length&&n.isIdentifier(t)&&!function(e,t){return
e.typeParameters||e.returnType||t.typeAnnotation||t.optional||t.trailingComments}(e,t)?(this.format.retainLines||e.asy
nc)&&e.loc&&e.body.loc&&e.loc.start.line<e.body.loc.start.line?(this.token("("),t.loc&&t.loc.start.line>e.loc.start.l
ine?(this.indent(),this.print(t,e),this.dedent(),this._catchUp("start",e.body.loc)):this.print(t,e),this.token(")")):this.pri
nt(t,e):this._params(e);this._predicate(e),this.space(),this.token("=>"),this.space(),this.print(e.body,e)};var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof

```



```

s.semicolon(),t.InferredPredicate=function(){this.token("%"),this.word("checks")},t.DeclaredPredicate=function(e)
{this.token("%"),this.word("checks"),this.token("("),this.print(e.value,e),this.token(")")}},t.DeclareInterface=function
(e){this.word("declare"),this.space(),this.InterfaceDeclaration(e)},t.DeclareModule=function(e){this.word("declare"
),this.space(),this.word("module"),this.space(),this.print(e.id,e),this.space(),this.print(e.body,e)},t.DeclareModuleEx
ports=function(e){this.word("declare"),this.space(),this.word("module"),this.token("."),this.word("exports"),this.pri
nt(e.typeAnnotation,e)},t.DeclareTypeAlias=function(e){this.word("declare"),this.space(),this.TypeAlias(e)},t.Decl
areOpaqueType=function(e,t){n.isDeclareExportDeclaration(t)||this.word("declare"),this.space();this.OpaqueType(e)
},t.DeclareVariable=function(e,t){n.isDeclareExportDeclaration(t)||this.word("declare"),this.space();this.word("v
ar"),this.space(),this.print(e.id,e),this.print(e.id.typeAnnotation,e),this.semicolon()},t.DeclareExportDeclaration=function(e){this.word("declare"),this.space(),this.word("export"),this.space(),e.default&&(this.word("default"),this.spac
e());p.apply(this,arguments)},t.DeclareExportAllDeclaration=function(){this.word("declare"),this.space(),i.ExportAl
lDeclaration.apply(this,arguments)},t.EnumDeclaration=function(e){const{id:t,body:r}=e;this.word("enum"),this.sp
ace(),this.print(t,e),this.print(r,e)},t.EnumBooleanBody=function(e){const{explicitType:t}=e;o(this,"boolean",t),l(th
is,e)},t.EnumNumberBody=function(e){const{explicitType:t}=e;o(this,"number",t),l(this,e)},t.EnumStringBody=fun
ction(e){const{explicitType:t}=e;o(this,"string",t),l(this,e)},t.EnumSymbolBody=function(e){o(this,"symbol",!0),l
(this,e)},t.EnumDefaultedMember=function(e){const{id:t}=e;this.print(t,e),this.token(",")},t.EnumBooleanMember
=function(e){c(this,e)},t.EnumNumberMember=function(e){c(this,e)},t.EnumStringMember=function(e){c(this,e)},
t.ExistsTypeAnnotation=function(){this.token("*")},t.FunctionTypeAnnotation=function(e,t){this.print(e.typeParam
eters,e),this.token("("),this.printList(e.params,e),e.rest&&(e.params.length&&(this.token(","),this.space()),this.token
("..."),this.print(e.rest,e));this.token(")"),"ObjectTypeCallProperty"===t.type||"DeclareFunction"===t.type||"ObjectT
ypeProperty"===t.type&&t.method?this.token(":):(this.space(),this.token("=>"));this.space(),this.print(e.returnTyp
e,e)},t.FunctionTypeParam=function(e){this.print(e.name,e),e.optional&&this.token("?");e.name&&(this.token(":"),
this.space());this.print(e.typeAnnotation,e)},t.GenericTypeAnnotation=t.ClassImplements=t.InterfaceExtends=functi
on(e){this.print(e.id,e),this.print(e.typeParameters,e)},t._interfaceish=function(e){this.print(e.id,e),this.print(e.typeP
arameters,e),e.extends.length&&(this.space(),this.word("extends"),this.space(),this.printList(e.extends,e));e.mixins
&&e.mixins.length&&(this.space(),this.word("mixins"),this.space(),this.printList(e.mixins,e));e.implements&&e.im
plements.length&&(this.space(),this.word("implements"),this.space(),this.printList(e.implements,e));this.space(),thi
s.print(e.body,e)},t._variance=function(e){e.variance&&("plus"===e.variance.kind?this.token("+):"minus"===e.va
riance.kind&&this.token("-
"))},t.InterfaceDeclaration=function(e){this.word("interface"),this.space(),this._interfaceish(e)},t.InterfaceTypeAnn
otation=function(e){this.word("interface"),e.extends&&e.extends.length&&(this.space(),this.word("extends"),this.s
pace(),this.printList(e.extends,e));this.space(),this.print(e.body,e)},t.IntersectionTypeAnnotation=function(e){this.pr
intJoin(e.types,e,{separator:u})},t.MixedTypeAnnotation=function(){this.word("mixed")},t.EmptyTypeAnnotation=
function(){this.word("empty")},t.NullableTypeAnnotation=function(e){this.token("?"),this.print(e.typeAnnotation,e
)},t.NumberTypeAnnotation=function(){this.word("number")},t.StringTypeAnnotation=function(){this.word("strin
g")},t.ThisTypeAnnotation=function(){this.word("this")},t.TupleTypeAnnotation=function(e){this.token("["),this.pr
intList(e.types,e),this.token("]")},t.TypeOfTypeAnnotation=function(e){this.word("typeof"),this.space(),this.print(e
.argument,e)},t.TypeAlias=function(e){this.word("type"),this.space(),this.print(e.id,e),this.print(e.typeParameters,e),t
his.space(),this.token("="),this.space(),this.print(e.right,e),this.semicolon()},t.TypeAnnotation=function(e){this.toke
n(":"),this.space(),e.optional&&this.token("?");this.print(e.typeAnnotation,e)},t.TypeParameterDeclaration=t.TypeP
arameterInstantiation=function(e){this.token("<"),this.printList(e.params,e,{}),this.token(">")},t.TypeParameter=fun
ction(e){this._variance(e),this.word(e.name),e.bound&&this.print(e.bound,e);e.default&&(this.space(),this.token("
="),this.space(),this.print(e.default,e))},t.OpaqueType=function(e){this.word("opaque"),this.space(),this.word("type
"),this.space(),this.print(e.id,e),this.print(e.typeParameters,e),e.supertype&&(this.token(":"),this.space(),this.print(e.s
upertype,e));e.impltype&&(this.space(),this.token("="),this.space(),this.print(e.impltype,e));this.semicolon()},t.ObjectTypeAnnotation=function(e){e.exact?this.token("{}):this.token("{}");const
t=e.properties.concat(e.callProperties||[],e.indexers||[],e.internalSlots||[]);t.length&&(this.space(),this.printJoin(t,e,{a
ddNewlines(e){if(e&&!t[0])return

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1 } , indent: !0, statement: !0, iterator: () => { (1 !== t.length || e.inexact) && (this.token(", "), this.space()) } }, this.space()); e.inexact && (this.indent(), this.token("..."), t.length && this.newline(), this.dedent()); e.exact ? this.token("[ ]"): this.token("]") }, t.ObjectTypeInternalSlot = function(e) { e.static && (this.word("static"), this.space()); this.token("[", this.token("["), this.print(e.id, e), this.token("]"), this.token("]"), e.optional && this.token("?", e.method || (this.token(":", this.space())); this.print(e.value, e), t.ObjectTypeCallProperty = function(e) { e.static && (this.word("static"), this.space()); this.print(e.value, e), t.ObjectTypeIndexer = function(e) { e.static && (this.word("static"), this.space()); this._variance(e), this.token("[", e.id && (this.print(e.id, e), this.token(":", this.space())); this.print(e.key, e), this.token("]"), this.token(":", this.space()), this.print(e.value, e), t.ObjectTypeProperty = function(e) { e.proto && (this.word("proto"), this.space()); e.static && (this.word("static"), this.space()); "get" !== e.kind && "set" !== e.kind || (this.word(e.kind), this.space()); this._variance(e), this.print(e.key, e), e.optional && this.token("?", e.method || (this.token(":", this.space())); this.print(e.value, e), t.ObjectTypeSpreadProperty = function(e) { this.token("..."), this.print(e.argument, e), t.QualifiedTypeIdentifier = function(e) { this.print(e.qualification, e), this.token(".", this.print(e.id, e)), t.SymbolTypeAnnotation = function() { this.word("symbol") }, t.UnionTypeAnnotation = function(e) { this.printJoin(e.types, e, { separator: d }) }, t.TypeCastExpression = function(e) { this.token("<\/pre>
" ), this.print(e.expression, e), this.print(e.typeAnnotation, e), this.token(")"), t.Variance = function(e) { "plus" === e.kind ? this.token("+"): this.token("-" ) }, t.VoidTypeAnnotation = function() { this.word("void") }, Object.defineProperty(t, "NumberLiteralTypeAnnotation", { enumerable: !0, get: function() { return s.NumericLiteral } }, Object.defineProperty(t, "StringLiteralTypeAnnotation", { enumerable: !0, get: function() { return s.StringLiteral } }); var n = function(e) { if (e && e.__esModule) return e; if (null === e || "object" !== typeof e && "function" !== typeof e) return { default: e }; var t = a(); if (t && t.has(e)) return t.get(e); var r = { }, n = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var i in e) if (Object.prototype.hasOwnProperty.call(e, i)) { var s = n ? Object.getOwnPropertyDescriptor(e, i) : null; s && (s.get || s.set) ? Object.defineProperty(r, i, s) : r[i] = e[i] } r.default = e, t && t.set(e, r); return r } (r(0)), i = r(123), s = r(124); function a() { if ("function" !== typeof WeakMap) return null; var e = new WeakMap; return a = function() { return e }, e } function o(e, t, r) { r && (e.space(), e.word("of"), e.space()), e.word(t), e.space() } function l(e, t) { const { members: r } = t; e.token("{", e.indent(), e.newline()); for (const n of r) e.print(n, t), e.newline(); e.dedent(), e.token("}") } function c(e, t) { const { id: r, init: n } = t; e.print(r, t), e.space(), e.token("=", e.space()), e.print(n, t), e.token(", ") } function p(e) { if (e.declaration) { const t = e.declaration; this.print(t, e), n.isStatement(t) || this.semicolon() } else this.token("{", e.specifiers.length && (this.space(), this.printList(e.specifiers, e), this.space()), this.token(" "), e.source && (this.space(), this.word("from"), this.space(), this.print(e.source, e)), this.semicolon() } } function u() { this.space(), this.token("&"), this.space() } function d() { this.space(), this.token("|"), this.space() }, function(e, t, r) { "use strict"; Object.defineProperty(t, "__esModule", { value: !0 }); t.File = function(e) { e.program && this.print(e.program.interpreter, e); this.print(e.program, e), t.Program = function(e) { this.printInnerComments(e, !1), this.printSequence(e.directives, e), e.directives && e.directives.length && this.newline(); this.printSequence(e.body, e), t.BlockStatement = function(e) { var t; this.token("{", this.printInnerComments(e); const r = null === (t = e.directives) ? void 0 : t.length; e.body.length || r ? (this.newline(), this.printSequence(e.directives, e, { indent: !0 }), r && this.newline(), this.printSequence(e.body, e, { indent: !0 }), this.removeTrailingNewline(), this.source("end", e.loc), this.endsWith("\n")) || (this.newline(), this.rightBrace()): (this.source("end", e.loc), this.token("}")) }, t.Noop = function() { }, t.Directive = function(e) { this.print(e.value, e), this.semicolon() }, t.DirectiveLiteral = function(e) { const t = this.getPossibleRaw(e); if (null !== t) return void this.token(t); const { value: r } = e; if (i.test(r)) { if (n.test(r)) throw new Error("Malformed AST: it is not possible to print a directive containing both unescaped single and double quotes."); this.token(`\${r}`) } else this.token(`\${r}`) }, t.InterpreterDirective = function(e) { this.token(`#!\${e.value}\n`), t.Placeholder = function(e) { this.token("%"), this.print(e.name), this.token("%"), "Statement" === e.expectedNode && this.semicolon() }; const n = (/:?^[^\\\/\|](?:\\\\\\\\)*\/, i = (/:?^[^\\\/\|](?:\\\\\\\\)*\/), function(e, t, r) { "use strict"; function n() { this.space() } Object.defineProperty(t, "__esModule", { value: !0 }), t.JSXAttribute = function(e) { this.print(e.name, e),

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e.value&&(this.token("="),this.print(e.value,e)),t.JSXIdentifier=function(e){this.word(e.name)},t.JSXNamespaced
Name=function(e){this.print(e.namespace,e),this.token(":"),this.print(e.name,e)},t.JSXMemberExpression=function
(e){this.print(e.object,e),this.token("."),this.print(e.property,e)},t.JSXSpreadAttribute=function(e){this.token("{"),th
is.token("..."),this.print(e.argument,e),this.token(")"}),t.JSXExpressionContainer=function(e){this.token("{"),this.pr
int(e.expression,e),this.token(")"}),t.JSXSpreadChild=function(e){this.token("{"),this.token("..."),this.print(e.expres
sion,e),this.token(")"}),t.JSXText=function(e){const
t=this.getPossibleRaw(e);null!=t?this.token(t):this.token(e.value)},t.JSXElement=function(e){const
t=e.openingElement;if(this.print(t,e),t.selfClosing)return;this.indent();for(const t of
e.children)this.print(t,e);this.dedent(),this.print(e.closingElement,e)},t.JSXOpeningElement=function(e){this.token("<"),this.print(e.name,e),this.print(e.typeParameters,e),e.attributes.length>0&&(this.space(),this.printJoin(e.attributes
,e,{separator:n}));e.selfClosing?(this.space(),this.token("/>")):this.token(">")},t.JSXClosingElement=function(e){th
is.token("<"),this.print(e.name,e),this.token(">")},t.JSXEmptyExpression=function(e){this.printInnerComments(e)
},t.JSXFragment=function(e){this.print(e.openingFragment,e),this.indent();for(const t of
e.children)this.print(t,e);this.dedent(),this.print(e.closingFragment,e)},t.JSXOpeningFragment=function(){this.token
("<"),this.token(">")},t.JSXClosingFragment=function(){this.token("<"),this.token(">")},function(e,t,r){"use
strict";function
n(e,t){!0!==t&&e.token(t)}Object.defineProperty(t,"__esModule",{value:!0}),t.TSTypeAnnotation=function(e){thi
s.token(":"),this.space(),e.optional&&this.token("?");this.print(e.typeAnnotation,e)},t.TSTypeParameterDeclaration
=t.TSTypeParameterInstantiation=function(e){this.token("<"),this.printList(e.params,e,{}),this.token(">")},t.TSTyp
eParameter=function(e){this.word(e.name),e.constraint&&(this.space(),this.word("extends"),this.space(),this.print(e
.constraint,e));e.default&&(this.space(),this.token("="),this.space(),this.print(e.default,e))},t.TSParameterProperty=f
unction(e){e.accessibility&&(this.word(e.accessibility),this.space());e.readonly&&(this.word("readonly"),this.space
());this._param(e.parameter)},t.TSDeclareFunction=function(e){e.declare&&(this.word("declare"),this.space());this.
_functionHead(e),this.token(";")},t.TSDeclareMethod=function(e){this._classMethodHead(e),this.token(";")},t.TSQ
ualifiedName=function(e){this.print(e.left,e),this.token("."),this.print(e.right,e)},t.TSCallSignatureDeclaration=funct
ion(e){this.tsPrintSignatureDeclarationBase(e),this.token(";")},t.TSConstructSignatureDeclaration=function(e){this.
word("new"),this.space(),this.tsPrintSignatureDeclarationBase(e),this.token(";")},t.TSPropertySignature=function(e)
{const{readonly:t,initializer:r}=e;t&&(this.word("readonly"),this.space());this.tsPrintPropertyOrMethodName(e),thi
s.print(e.typeAnnotation,e),r&&(this.space(),this.token("="),this.space(),this.print(r,e));this.token(";")},t.tsPrintProp
ertyOrMethodName=function(e){e.computed&&this.token("[");this.print(e.key,e),e.computed&&this.token("]");e.o
ptional&&this.token("?")},t.TSMethodSignature=function(e){this.tsPrintPropertyOrMethodName(e),this.tsPrintSig
natureDeclarationBase(e),this.token(";")},t.TSIndexSignature=function(e){const{readonly:t}=e;t&&(this.word("rea
donly"),this.space());this.token("["),this._parameters(e.parameters,e),this.token("]"),this.print(e.typeAnnotation,e),th
is.token(";")},t.TSAnyKeyword=function(){this.word("any")},t.TSBigIntKeyword=function(){this.word("bigint")},
t.TSUnknownKeyword=function(){this.word("unknown")},t.TSNumberKeyword=function(){this.word("number")},
t.TSObjectKeyword=function(){this.word("object")},t.TSBooleanKeyword=function(){this.word("boolean")},t.TS
StringKeyword=function(){this.word("string")},t.TSSymbolKeyword=function(){this.word("symbol")},t.TSVoidKe
yword=function(){this.word("void")},t.TSUndefinedKeyword=function(){this.word("undefined")},t.TSNullKeywor
d=function(){this.word("null")},t.TSNeverKeyword=function(){this.word("never")},t.TSIntrinsicKeyword=function
(){this.word("intrinsic")},t.TSThisType=function(){this.word("this")},t.TSFunctionType=function(e){this.tsPrintFu
nctionOrConstructorType(e)},t.TSConstructorType=function(e){this.word("new"),this.space(),this.tsPrintFunctionO
rConstructorType(e)},t.tsPrintFunctionOrConstructorType=function(e){const{typeParameters:t,parameters:r}=e;this
.print(t,e),this.token("("),this._parameters(r,e),this.token(")"),this.space(),this.token("=>"),this.space(),this.print(e.ty
peAnnotation.typeAnnotation,e)},t.TSTypeReference=function(e){this.print(e.typeName,e),this.print(e.typeParamet
ers,e)},t.TSTypePredicate=function(e){e.asserts&&(this.word("asserts"),this.space());this.print(e.parameterName),e.
typeAnnotation&&(this.space(),this.word("is"),this.space(),this.print(e.typeAnnotation.typeAnnotation))},t.TSType
Query=function(e){this.word("typeof"),this.space(),this.print(e.exprName)},t.TSTypeLiteral=function(e){this.tsPrint
TypeLiteralOrInterfaceBody(e.members,e)},t.tsPrintTypeLiteralOrInterfaceBody=function(e,t){this.tsPrintBraced(e

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,t),t.tsPrintBraced=function(e,t){if(this.token("{"),e.length){this.indent(),this.newline();for(const r of
e)this.print(r,t),this.newline();this.dedent(),this.rightBrace()}else
this.token("{}"),t.TSArrayType=function(e){this.print(e.elementType,e),this.token("[]")},t.TSTupleType=function(
e){this.token("["),this.printList(e.elementTypes,e),this.token("]")},t.TSOptionalType=function(e){this.print(e.typeA
nnotation,e),this.token("?")},t.TSRestType=function(e){this.token("..."),this.print(e.typeAnnotation,e)},t.TSNamed
TupleMember=function(e){this.print(e.label,e),e.optional&&this.token("?");this.token(":"),this.space(),this.print(e.el
ementType,e)},t.TSUnionType=function(e){this.tsPrintUnionOrIntersectionType(e,"|")},t.TSIntersectionType=func
tion(e){this.tsPrintUnionOrIntersectionType(e,"&")},t.tsPrintUnionOrIntersectionType=function(e,t){this.printJoin(
e.types,e,{separator(){this.space(),this.token(t),this.space()}}),t.TSConditionalType=function(e){this.print(e.check
Type),this.space(),this.word("extends"),this.space(),this.print(e.extendsType),this.space(),this.token("?"),this.space()
,this.print(e.trueType),this.space(),this.token(":"),this.space(),this.print(e.falseType)},t.TSInferType=function(e){thi
s.token("infer"),this.space(),this.print(e.typeParameter)},t.TSParenthesizedType=function(e){this.token("("),this.pri
nt(e.typeAnnotation,e),this.token(")")},t.TSTypeOperator=function(e){this.word(e.operator),this.space(),this.print(e
.typeAnnotation,e)},t.TSIndexedAccessType=function(e){this.print(e.objectType,e),this.token("["),this.print(e.index
Type,e),this.token("]")},t.TSMappedType=function(e){const{nameType:t,optional:r,readonly:i,typeParameter:s}=e;
this.token("{"),this.space(),i&&(n(this,i),this.word("readonly"),this.space());this.token("["),this.word(s.name),this.sp
ace(),this.word("in"),this.space(),this.print(s.constraint,s),t&&(this.space(),this.word("as"),this.space(),this.print(t,e)
);this.token("]"),r&&(n(this,r),this.token("?"));this.token(":"),this.space(),this.print(e.typeAnnotation,e),this.space(),t
his.token(")"}},t.TSLiteralType=function(e){this.print(e.literal,e)},t.TSExpressionWithTypeArguments=function(e)
{this.print(e.expression,e),this.print(e.typeParameters,e)},t.TSInterfaceDeclaration=function(e){const{declare:t,id:r,t
ypeParameters:n,extends:i,body:s}=e;t&&(this.word("declare"),this.space());this.word("interface"),this.space(),this
.print(r,e),this.print(n,e),i&&(this.space(),this.word("extends"),this.space(),this.printList(i,e));this.space(),this.print(s,
e)},t.TSInterfaceBody=function(e){this.tsPrintTypeLiteralOrInterfaceBody(e.body,e)},t.TSTypeAliasDeclaration=func
tion(e){const{declare:t,id:r,typeParameters:n,typeAnnotation:i}=e;t&&(this.word("declare"),this.space());this.w
ord("type"),this.space(),this.print(r,e),this.print(n,e),this.space(),this.token("="),this.space(),this.print(i,e),this.token(
";")},t.TSAsExpression=function(e){const{expression:t,typeAnnotation:r}=e;this.print(t,e),this.space(),this.word("as
"),this.space(),this.print(r,e)},t.TSTypeAssertion=function(e){const{typeAnnotation:t,expression:r}=e;this.token("<
"),this.print(t,e),this.token(">"),this.space(),this.print(r,e)},t.TSEnumDeclaration=function(e){const{declare:t,const:r
,id:n,members:i}=e;t&&(this.word("declare"),this.space());r&&(this.word("const"),this.space());this.word("enum"),t
his.space(),this.print(n,e),this.space(),this.tsPrintBraced(i,e)},t.TSEnumMember=function(e){const{id:t,initializer:r}
=e;this.print(t,e),r&&(this.space(),this.token("="),this.space(),this.print(r,e));this.token(","),t.TSModuleDeclaration
=function(e){const{declare:t,id:r}=e;t&&(this.word("declare"),this.space());e.global||(this.word("Identifier"===r.type
e?"namespace":"module"),this.space());if(this.print(r,e),!e.body)return void this.token(";");let
n=e.body;for(;"TSModuleDeclaration"===n.type;)this.token("."),this.print(n.id,n),n=n.body;this.space(),this.print(n,
e)},t.TSModuleBlock=function(e){this.tsPrintBraced(e.body,e)},t.TSImportType=function(e){const{argument:t,qua
lifier:r,typeParameters:n}=e;this.word("import"),this.token("("),this.print(t,e),this.token(")"),r&&(this.token("."),this
.print(r,e));n&&this.print(n,e)},t.TSImportEqualsDeclaration=function(e){const{isExport:t,id:r,moduleReference:n}
=e;t&&(this.word("export"),this.space());this.word("import"),this.space(),this.print(r,e),this.space(),this.token("="),t
his.space(),this.print(n,e),this.token(";")},t.TSExternalModuleReference=function(e){this.token("require("),this.print
(e.expression,e),this.token(")"),t.TSNonNullExpression=function(e){this.print(e.expression,e),this.token("!")},t.TS
ExportAssignment=function(e){this.word("export"),this.space(),this.token("="),this.space(),this.print(e.expression,e
),this.token(";")},t.TSNamespaceExportDeclaration=function(e){this.word("export"),this.space(),this.word("as"),this
.space(),this.word("namespace"),this.space(),this.print(e.id,e)},t.tsPrintSignatureDeclarationBase=function(e){const
{typeParameters:t,parameters:r}=e;this.print(t,e),this.token("("),this._parameters(r,e),this.token(")"),this.print(e.type
Annotation,e)},t.tsPrintClassMemberModifiers=function(e,t){t&&e.declare&&(this.word("declare"),this.space());e
.accessibility&&(this.word(e.accessibility),this.space());e.static&&(this.word("static"),this.space());e.abstract&&(thi
s.word("abstract"),this.space());t&&e.readonly&&(this.word("readonly"),this.space())},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.findParent=function(e){let

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t=this;for(;t=t.parentPath);if(e(t))return t;return null},t.find=function(e){let t=this;do{if(e(t))return
t}while(t=t.parentPath);return null},t.getFunctionParent=function(){return
this.findParent(e=>e.isFunction())},t.getStatementParent=function(){let
e=this;do{if(!e.parentPath||Array.isArray(e.container)&&e.isStatement())break;e=e.parentPath}while(e);if(e&&(e.is
Program()||e.isFile()))throw new Error("File/Program node, we can't possibly find a statement parent to this");return
e},t.getEarliestCommonAncestorFrom=function(e){return
this.getDeepestCommonAncestorFrom(e,(function(e,t,r){let n;const s=i.VISITOR_KEYS[e.type];for(const e of
r){const
r=e[t+1];if(!n){n=r;continue}if(r.listKey&&n.listKey===r.listKey&&r.key<n.key){n=r;continue}s.indexOf(n.paren
tKey)>s.indexOf(r.parentKey)&&(n=r)}return
n}})},t.getDeepestCommonAncestorFrom=function(e,t){if(!e.length)return this;if(1===e.length)return e[0];let
r,n,i=1/0;const s=e.map(e=>{const t=[];do{t.unshift(e)}while((e=e.parentPath)&&e!==this);return
t.length<i&&(i=t.length),t}),a=s[0];e:for(let e=0;e<i;e++){const t=a[e];for(const r of s)if(r[e]!==t)break
e;r=e,n=t;if(n)return t?t(n,r,s):n;throw new Error("Couldn't find intersection")},t.getAncestry=function(){let
e=this;const t=[];do{t.push(e)}while(e=e.parentPath);return t},t.isAncestor=function(e){return
e.isDescendant(this)},t.isDescendant=function(e){return!!this.findParent(t=>t===e)},t.inType=function(){let
e=this;for(;e;){for(const t of arguments)if(e.node.type===t)return!0;e=e.parentPath}return!1};var
n,i=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}r.default=e,
&&t.set(e,r);return r}(r(0));(n=r(8))&&n.__esModule;function s(){if("function"!==typeof WeakMap)return null;var
e=new WeakMap;return s=function(){return e},e},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.getTypeAnnotation=function(){if(this.typeAnnotation)re
turn this.typeAnnotation;let
e=this._getTypeAnnotation()||i.anyTypeAnnotation();i.isTypeAnnotation(e)&&(e=e.typeAnnotation);return
this.typeAnnotation=e},t._getTypeAnnotation=function(){var e;const
t=this.node;if(!t){if("init"===this.key&&this.parentPath.isVariableDeclarator()){const
e=this.parentPath.parentPath,t=e.parentPath;return"left"===e.key&&t.isForInStatement()?i.stringTypeAnnotation():
"left"===e.key&&t.isForOfStatement()?i.anyTypeAnnotation():i.voidTypeAnnotation()}return}if(t.typeAnnotation)
return t.typeAnnotation;let r=n[t.type];if(r)return r.call(this,t);if(r=n[this.parentPath.type],null==(e=r)?void
0:e.validParent)return this.parentPath.getTypeAnnotation(),t.isBaseType=function(e,t){return
o(e,this.getTypeAnnotation(),t)},t.couldBeBaseType=function(e){const
t=this.getTypeAnnotation();if(i.isAnyTypeAnnotation(t))return!0;if(i.isUnionTypeAnnotation(t)){for(const r of
t.types)if(i.isAnyTypeAnnotation(r)||o(e,r,!0))return!0;return!1}return
o(e,t,!0)},t.baseTypeStrictlyMatches=function(e){const
t=this.getTypeAnnotation();if(e=e.getTypeAnnotation(),!i.isAnyTypeAnnotation(t)&&i.isFlowBaseAnnotation(t))re
turn e.type===t.type},t.isGenericType=function(e){const t=this.getTypeAnnotation();return
i.isGenericTypeAnnotation(t)&&i.isIdentifier(t.id,{name:e})};var n=a(r(340)),i=a(r(0));function
s(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return s=function(){return e},e}function
a(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var
t=s();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i
in e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}function o(e,t,r){if("string"===e)return
i.isStringTypeAnnotation(t);if("number"===e)return i.isNumberTypeAnnotation(t);if("boolean"===e)return
i.isBooleanTypeAnnotation(t);if("any"===e)return i.isAnyTypeAnnotation(t);if("mixed"===e)return

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i.isMixedTypeAnnotation(t);if("empty"===e)return i.isEmptyTypeAnnotation(t);if("void"===e)return
i.isVoidTypeAnnotation(t);if(r)return !1;throw new Error("Unknown base type "+e)}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.VariableDeclarator=function(){ var
e;if(!this.get("id").isIdentifier())return;const t=this.get("init");let
r=t.getTypeAnnotation();"AnyTypeAnnotation"===e?(null===e)?void
0:e.type)&&t.isCallExpression()&&t.get("callee").isIdentifier({ name:"Array"})&&t.scope.hasBinding("Array",!0)
&&(r=l());return r},t.TypeCastExpression=o,t.NewExpression=function(e){ if(this.get("callee").isIdentifier())return
i.genericTypeAnnotation(e.callee)},t.TemplateLiteral=function(){ return
i.stringTypeAnnotation()},t.UnaryExpression=function(e){ const t=e.operator;if("void"===t)return
i.voidTypeAnnotation();if(i.NUMBER_UNARY_OPERATORS.indexOf(t)>=0)return
i.numberTypeAnnotation();if(i.STRING_UNARY_OPERATORS.indexOf(t)>=0)return
i.stringTypeAnnotation();if(i.BOOLEAN_UNARY_OPERATORS.indexOf(t)>=0)return
i.booleanTypeAnnotation()),t.BinaryExpression=function(e){ const
t=e.operator;if(i.NUMBER_BINARY_OPERATORS.indexOf(t)>=0)return
i.numberTypeAnnotation();if(i.BOOLEAN_BINARY_OPERATORS.indexOf(t)>=0)return
i.booleanTypeAnnotation();if("+"===t){ const e=this.get("right"),t=this.get("left");return
t.isBaseType("number")&&e.isBaseType("number")?i.numberTypeAnnotation():t.isBaseType("string")||e.isBaseTy
pe("string")?i.stringTypeAnnotation():i.unionTypeAnnotation([i.stringTypeAnnotation(),i.numberTypeAnnotation()
])}},t.LogicalExpression=function(){ const
e=[this.get("left").getTypeAnnotation(),this.get("right").getTypeAnnotation()];if(i.isTSTypeAnnotation(e[0])&&i.cr
eateTSUnionType)return i.createTSUnionType(e);if(i.createFlowUnionType)return
i.createFlowUnionType(e);return i.createUnionTypeAnnotation(e)},t.ConditionalExpression=function(){ const
e=[this.get("consequent").getTypeAnnotation(),this.get("alternate").getTypeAnnotation()];if(i.isTSTypeAnnotation(
e[0])&&i.createTSUnionType)return i.createTSUnionType(e);if(i.createFlowUnionType)return
i.createFlowUnionType(e);return i.createUnionTypeAnnotation(e)},t.SequenceExpression=function(){ return
this.get("expressions").pop().getTypeAnnotation()},t.ParenthesizedExpression=function(){ return
this.get("expression").getTypeAnnotation()},t.AssignmentExpression=function(){ return
this.get("right").getTypeAnnotation()},t.UpdateExpression=function(e){ const t=e.operator;if("++"===t||"--
"===t)return i.numberTypeAnnotation()),t.StringLiteral=function(){ return
i.stringTypeAnnotation()),t.NumericLiteral=function(){ return
i.numberTypeAnnotation()),t.BooleanLiteral=function(){ return
i.booleanTypeAnnotation()),t.NullLiteral=function(){ return
i.nullLiteralTypeAnnotation()),t.RegExpLiteral=function(){ return
i.genericTypeAnnotation(i.identifier("RegExp"))},t.ObjectExpression=function(){ return
i.genericTypeAnnotation(i.identifier("Object"))},t.ArrayExpression=l,t.RestElement=c,t.ClassDeclaration=t.ClassEx
pression=t.FunctionDeclaration=t.ArrowFunctionExpression=t.FunctionExpression=function(){ return
i.genericTypeAnnotation(i.identifier("Function"))},t.CallExpression=function(){ const { callee:e}=this.node;if(u(e))re
turn i.arrayTypeAnnotation(i.stringTypeAnnotation());if(p(e)||d(e))return
i.arrayTypeAnnotation(i.anyTypeAnnotation());if(h(e))return
i.arrayTypeAnnotation(i.tupleTypeAnnotation([i.stringTypeAnnotation(),i.anyTypeAnnotation()]));return
f(this.get("callee"))},t.TaggedTemplateExpression=function(){ return
f(this.get("tag"))},Object.defineProperty(t,"Identifier",{ enumerable:!0,get:function(){ return s.default}});var
n,i=function(e){ if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return { default:e};var t=a();if(t&&t.has(e))return t.get(e);var
r={ },n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){ var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0)),s=(n=r(341))&&n.__esModule?n: { default:n};function a(){ if("function"!==typeof

```



```

WeakMap)return null;var e=new WeakMap;return a=function(){return e},e}function o(e){return
e.typeAnnotation}function l(){return i.genericTypeAnnotation(i.identifier("Array"))}function c(){return
l()}o.validParent=!0,c.validParent=!0;const
p=i.buildMatchMemberExpression("Array.from"),u=i.buildMatchMemberExpression("Object.keys"),d=i.buildMatc
hMemberExpression("Object.values"),h=i.buildMatchMemberExpression("Object.entries");function
f(e){if((e=e.resolve()).isFunction()){if(e.is("async"))return
e.is("generator"?i.genericTypeAnnotation(i.identifier("AsyncIterator")):i.genericTypeAnnotation(i.identifier("Prom
ise")));if(e.node.returnType)return e.node.returnType}}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if(!this.isReferenced())return;const
t=this.scope.getBinding(e.name);if(t)return
t.identifier.typeAnnotation?t.identifier.typeAnnotation:function(e,t,r){const i=[],o=[];let l=s(e,t,o);const c=function
e(t,r,i){const s=function(e,t,r){let
n;for(;n=t.parentPath;){if(n.isIfStatement()||n.isConditionalExpression()){if("test"===t.key)return;return
n}if(n.isFunction()&&n.parentPath.scope.getBinding(r)!==e)return;t=n}}(t,r,i);if(!s)return;const
o=[s.get("test")],l=[];for(let e=0;e<o.length;e++){const
t=o[e];if(t.isLogicalExpression())&&"===t.node.operator&&(o.push(t.get("left")),o.push(t.get("right")));else
if(t.isBinaryExpression){const e=a(i,t);e&&l.push(e)}}if(l.length)return
n.isTSTypeAnnotation(l[0])&&n.createTSUnionType?{typeAnnotation:n.createTSUnionType(l),ifStatement:s}:n.cr
eateFlowUnionType?{typeAnnotation:n.createFlowUnionType(l),ifStatement:s}:{typeAnnotation:n.createUnionTy
peAnnotation(l),ifStatement:s};return e(s,i)}(e,t,r);if(c){const
t=s(e,c.ifStatement);l=l.filter(e=>t.indexOf(e)<0),i.push(c.typeAnnotation)}if(l.length){l=l.concat(o);for(const e of
l)i.push(e.getTypeAnnotation());if(!l.length)return;if(n.isTSTypeAnnotation(i[0])&&n.createTSUnionType)return
n.createTSUnionType(i);if(n.createFlowUnionType)return n.createFlowUnionType(i);return
n.createUnionTypeAnnotation(i)}(t,this,e.name);if("undefined"===e.name)return
n.voidTypeAnnotation();if("NaN"===e.name||"Infinity"===e.name)return n.numberTypeAnnotation();e.name};var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e,t,r){const n=e.constantViolations.slice();return
n.unshift(e.path),n.filter(e=>{const n=(e=e.resolve())._guessExecutionStatusRelativeTo(t);return
r&&"unknown"===n&&r.push(e),"before"===n}})function a(e,t){const
r=t.node.operator,i=t.get("right").resolve(),s=t.get("left").resolve();let
a,o,l;if(s.isIdentifier({name:e})?a=i:i.isIdentifier({name:e})&&(a=s),a)return"===r?a.getTypeAnnotation():n.B
OOLEAN_NUMBER_BINARY_OPERATORS.indexOf(r)>=0?n.numberTypeAnnotation():void
0;if("===r&&"===r)return;if(s.isUnaryExpression({operator:"typeof"})?(o=s,l=i):i.isUnaryExpression({ope
rator:"typeof"})&&(o=i,l=s),!o)return;if(!o.get("argument").isIdentifier({name:e}))return;if(!l.resolve(),!l.isLiteral(
))return;const c=l.node.value;return"string"===typeof c?n.createTypeAnnotationBasedOnTypeof(c):void
0}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.replaceWithMultiple=function(e){this.resync(),e=this._v
erifyNodeList(e),o.inheritLeadingComments(e[0],this.node),o.inheritTrailingComments(e[e.length-
1],this.node),this.node=this.container[this.key]=null;const
t=this.insertAfter(e);this.node?this.requeue():this.remove();return
t},t.replaceWithSourceString=function(e){this.resync();try{e=`${e}`},e=(0,a.parse)(e)}catch(t){const r=t.loc;throw
r&&(t.message+=" - make sure this is an
expression.\\n"+(0,n.codeFrameColumns)(e,{start:{line:r.line,column:r.column+1}}),t.code="BABEL_REPLACE_

```

```

SOURCE_ERROR"),t}return
e=e.program.body[0].expression,i.default.removeProperties(e),this.replaceWith(e)},t.replaceWith=function(e){if(this
s.resync(),this.removed)throw new Error("You can't replace this node, we've already removed it");e instanceof
s.default&&(e=e.node);if(!e)throw new Error("You passed `path.replaceWith()` a falsy node, use `path.remove()`
instead");if(this.node===e)return[this];if(this.isProgram()&&!o.isProgram(e))throw new Error("You can only
replace a Program root node with another Program node");if(Array.isArray(e))throw new Error("Don't use
`path.replaceWith()` with an array of nodes, use `path.replaceWithMultiple()");if("string"===typeof e)throw new
Error("Don't use `path.replaceWith()` with a source string, use `path.replaceWithSourceString()`);let
t="";this.isNodeType("Statement")&&o.isExpression(e)&&(this.canHaveVariableDeclarationOrExpression()||this.c
anSwapBetweenExpressionAndStatement(e)||this.parentPath.isExportDefaultDeclaration()||(e=o.expressionStatemen
t(e),t="expression"));if(this.isNodeType("Expression")&&o.isStatement(e)&&!this.canHaveVariableDeclarationOr
Expression()&&!this.canSwapBetweenExpressionAndStatement(e))return
this.replaceExpressionWithStatements([e]);const
r=this.node;r&&(o.inheritsComments(e,r),o.removeComments(r));return
this._replaceWith(e),this.type=e.type,this.setScope(),this.queue(),[t?this.get(t):this]},t._replaceWith=function(e){if
(!this.container)throw new ReferenceError("Container is
falsy");this.inList?o.validate(this.parent,this.key,[e]):o.validate(this.parent,this.key,e);this.debug("Replace with
"+(null===e?void
0:e.type)),this.node=this.container[this.key]=e,t.replaceExpressionWithStatements=function(e){this.resync();const
t=o.toSequenceExpression(e,this.scope);if(t)return this.replaceWith(t)[0].get("expressions");const
r=this.getFunctionParent(),n=null===r?void
0:r.is("async"),s=o.arrowFunctionExpression([],o.blockStatement(e));this.replaceWith(o.callExpression(s,[])),this.tr
averse(p);const a=this.get("callee").getCompletionRecords();for(const e of
a){if(!e.isExpressionStatement())continue;const t=e.findParent(e=>e.isLoop());if(t){let
r=t.getData("expressionReplacementReturnUid");if(r)r=o.identifier(r.name);else{const
e=this.get("callee");r=e.scope.generateDeclaredUidIdentifier("ret"),e.get("body").pushContainer("body",o.returnStat
ement(o.cloneNode(r))),t.setData("expressionReplacementReturnUid",r)}e.get("expression").replaceWith(o.assignment
Expression("=",o.cloneNode(r),e.node.expression))}else
e.replaceWith(o.returnStatement(e.node.expression))}const
l=this.get("callee");l.arrowFunctionToExpression(),n&&i.default.hasType(this.get("callee.body").node,"AwaitExpre
ssion",o.FUNCTION_TYPES)&&(l.set("async",!0),this.replaceWith(o.awaitExpression(this.node)));return
l.get("body.body"),t.replaceInline=function(e){if(this.resync(),Array.isArray(e)){if(Array.isArray(this.container)){
e=this._verifyNodeList(e);const t=this._containerInsertAfter(e);return this.remove(),t}return
this.replaceWithMultiple(e)}return this.replaceWith(e)};var
n=r(125),i=c(r(17)),s=c(r(8)),a=r(60),o=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{default:e};var t=l();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0));function l(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
l=function(){return e},e}function c(e){return e&&e.__esModule?{default:e}}const
p={Function(e){e.skip()},VariableDeclaration(e){if("var"!==e.node.kind)return;const
t=e.getBindingIdentifiers();for(const r of Object.keys(t))e.scope.push({id:t[r]});const r=[];for(const t of
e.node.declarations)t.init&&r.push(o.expressionStatement(o.assignmentExpression("=",t.id,t.init)));e.replaceWithM
ultiple(r)}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.shouldHighlight=p,t.getChalk=u,t.default=function(e,t={
}){if(p(t)){const r=u(t);return function(e,t){let r="";for(const{type:n,value:i}of c(t)){const
t=e[n];r+=t?i.split(o).map(e=>t(e)).join("\\n"):i}return

```



```

en`);return i.dim.open=n,r}function y(e,t){if(!Array.isArray(t))return [].slice.call(arguments,1).join(" ");const
r=[].slice.call(arguments,2),n=[t.raw[0]];for(let e=1;e<t.length;e++)n.push(String(r[e-
1]).replace(/[\{\}\[\]\]/g,"\\\$&"));n.push(String(t.raw[e]));return
a(e,n.join(""))}Object.defineProperties(d.prototype,p),e.exports=d(),e.exports.supportsColor=s,e.exports.default=e.e
xports},function(e,t,r){ "use strict";var n=/[\{\}\[\]\^\$+*?./g;e.exports=function(e){if("string"!==typeof e)throw
new TypeError("Expected a string");return e.replace(n,"\\\$&")},function(e,t,r){ "use strict";(function(e){const
t=r(348),n=(e,r)=>function(){const n=e.apply(t,arguments);return`[${n+r}]`,i=(e,r)=>function(){const
n=e.apply(t,arguments);return`[${n+r}]`,s=(e,r)=>function(){const n=e.apply(t,arguments);return`
[${n+r}];2;[${n[0]};${n[1]};${n[2]}]`;Object.defineProperty(e,"exports",{enumerable:!0,get:function(){const
e=new
Map,r={ modifier: { reset:[0,0],bold:[1,22],dim:[2,22],italic:[3,23],underline:[4,24],inverse:[7,27],hidden:[8,28],strike
through:[9,29]},color: { black:[30,39],red:[31,39],green:[32,39],yellow:[33,39],blue:[34,39],magenta:[35,39],cyan:[3
6,39],white:[37,39],gray:[90,39],redBright:[91,39],greenBright:[92,39],yellowBright:[93,39],blueBright:[94,39],ma
gentaBright:[95,39],cyanBright:[96,39],whiteBright:[97,39]},bgColor: { bgBlack:[40,49],bgRed:[41,49],bgGreen:[42
,49],bgYellow:[43,49],bgBlue:[44,49],bgMagenta:[45,49],bgCyan:[46,49],bgWhite:[47,49],bgBlackBright:[100,49],
bgRedBright:[101,49],bgGreenBright:[102,49],bgYellowBright:[103,49],bgBlueBright:[104,49],bgMagentaBright:[
105,49],bgCyanBright:[106,49],bgWhiteBright:[107,49]} };r.color.grey=r.color.gray;for(const t of
Object.keys(r)){const n=r[t];for(const t of Object.keys(n)){const i=n[t];r[t]={ open:`[${i[0]}]`,close:`
[${i[1]}]`,n[t]=r[t],e.set(i[0],i[1])}Object.defineProperty(r,t,{ value:n,enumerable:!1}),Object.defineProperty(r,"co
des",{ value:e,enumerable:!1})}const a=e=>e,o=(e,t,r)=>[e,t,r];r.color.close=" [39m",r.bgColor.close="
[49m",r.color.ansi={ ansi:n(a,0)},r.color.ansi256={ ansi256:i(a,0)},r.color.ansi16m={ rgb:s(o,0)},r.bgColor.ansi={ ans
i:n(a,10)},r.bgColor.ansi256={ ansi256:i(a,10)},r.bgColor.ansi16m={ rgb:s(o,10)};for(let e of
Object.keys(t)){if("object"!==typeof t[e])continue;const a=t[e];"ansi16"===e&&(e="ansi"),"ansi16"in
a&&(r.color.ansi[e]=n(a.ansi16,0),r.bgColor.ansi[e]=n(a.ansi16,10)), "ansi256"in
a&&(r.color.ansi256[e]=i(a.ansi256,0),r.bgColor.ansi256[e]=i(a.ansi256,10)), "rgb"in
a&&(r.color.ansi16m[e]=s(a.rgb,0),r.bgColor.ansi16m[e]=s(a.rgb,10))}return
r })).call(this,r(31)(e)),function(e,t,r){ var
n=r(126),i=r(350),s={ };Object.keys(n).forEach((function(e){s[e]={ },Object.defineProperty(s[e],"channels",{ value:n
[e].channels}),Object.defineProperty(s[e],"labels",{ value:n[e].labels});var
t=i(e);Object.keys(t).forEach((function(r){var n=t[r];s[e][r]=function(e){ var t=function(t){ if(null==t)return
t;arguments.length>1&&(t=Array.prototype.slice.call(arguments));var r=e(t);if("object"===typeof r)for(var
n=r.length,i=0;i<n;i++)r[i]=Math.round(r[i]);return r };return "conversion"in
e&&(t.conversion=e.conversion),t)(n),s[e][r].raw=function(e){ var t=function(t){ return
null==t?t:(arguments.length>1&&(t=Array.prototype.slice.call(arguments)),e(t));return "conversion"in
e&&(t.conversion=e.conversion),t)(n)})),e.exports=s},function(e,t,r){ "use
strict";e.exports={ aliceblue:[240,248,255],antiquewhite:[250,235,215],aqua:[0,255,255],aquamarine:[127,255,212],
azure:[240,255,255],beige:[245,245,220],bisque:[255,228,196],black:[0,0,0],blanchedalmond:[255,235,205],blue:[0,
0,255],blueviolet:[138,43,226],brown:[165,42,42],burlywood:[222,184,135],cadetblue:[95,158,160],chartreuse:[127,
255,0],chocolate:[210,105,30],coral:[255,127,80],cornflowerblue:[100,149,237],cornsilk:[255,248,220],crimson:[22
0,20,60],cyan:[0,255,255],darkblue:[0,0,139],darkcyan:[0,139,139],darkgoldenrod:[184,134,11],darkgray:[169,169,
169],darkgreen:[0,100,0],darkgrey:[169,169,169],darkkhaki:[189,183,107],darkmagenta:[139,0,139],darkolivegreen
:[85,107,47],darkorange:[255,140,0],darkorchid:[153,50,204],darkred:[139,0,0],darksalmon:[233,150,122],darkseag
reen:[143,188,143],darkslateblue:[72,61,139],darkslategray:[47,79,79],darkslategrey:[47,79,79],darkturquoise:[0,20
6,209],darkviolet:[148,0,211],deeppink:[255,20,147],deepskyblue:[0,191,255],dimgray:[105,105,105],dimgrey:[105
,105,105],dodgerblue:[30,144,255],firebrick:[178,34,34],floralwhite:[255,250,240],forestgreen:[34,139,34],fuchsia:[
255,0,255],gainsboro:[220,220,220],ghostwhite:[248,248,255],gold:[255,215,0],goldenrod:[218,165,32],gray:[128,1
28,128],green:[0,128,0],greenyellow:[173,255,47],grey:[128,128,128],honeydew:[240,255,240],hotpink:[255,105,1
80],indianred:[205,92,92],indigo:[75,0,130],ivory:[255,255,240],khaki:[240,230,140],lavender:[230,230,250],laven

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derblush:[255,240,245],lawngreen:[124,252,0],lemonchiffon:[255,250,205],lightblue:[173,216,230],lightcoral:[240,128,128],lightcyan:[224,255,255],lightgoldenrodyellow:[250,250,210],lightgray:[211,211,211],lightgreen:[144,238,144],lightgrey:[211,211,211],lightpink:[255,182,193],lightsalmon:[255,160,122],lightseagreen:[32,178,170],lightskyblue:[135,206,250],lightslategray:[119,136,153],lightslategrey:[119,136,153],lightsteelblue:[176,196,222],lightyellow:[255,255,224],lime:[0,255,0],limegreen:[50,205,50],linen:[250,240,230],magenta:[255,0,255],maroon:[128,0,0],mediumaquamarine:[102,205,170],mediumblue:[0,0,205],mediumorchid:[186,85,211],mediumpurple:[147,112,219],mediumseagreen:[60,179,113],mediumslateblue:[123,104,238],mediumspringgreen:[0,250,154],mediumturquoise:[72,209,204],mediumvioletred:[199,21,133],midnightblue:[25,25,112],mintcream:[245,255,250],mistyrose:[255,228,225],moccasin:[255,228,181],navajowhite:[255,222,173],navy:[0,0,128],oldlace:[253,245,230],olive:[128,128,0],olivedrab:[107,142,35],orange:[255,165,0],orangered:[255,69,0],orchid:[218,112,214],palegoldenrod:[238,232,170],palegreen:[152,251,152],paleturquoise:[175,238,238],palevioletred:[219,112,147],papayawhip:[255,239,213],peachpuff:[255,218,185],peru:[205,133,63],pink:[255,192,203],plum:[221,160,221],powderblue:[176,224,230],purple:[128,0,128],rebeccapurple:[102,51,153],red:[255,0,0],rosybrown:[188,143,143],royalblue:[65,105,225],saddlebrown:[139,69,19],salmon:[250,128,114],sandybrown:[244,164,96],seagreen:[46,139,87],seashell:[255,245,238],sienna:[160,82,45],silver:[192,192,192],skyblue:[135,206,235],slateblue:[106,90,205],slategray:[112,128,144],slategrey:[112,128,144],snow:[255,250,250],springgreen:[0,255,127],steelblue:[70,130,180],tan:[210,180,140],teal:[0,128,128],thistle:[216,191,216],tomato:[255,99,71],turquoise:[64,224,208],violet:[238,130,238],wheat:[245,222,179],white:[255,255,255],whitesmoke:[245,245,245],yellow:[255,255,0],yellowgreen:[154,205,50] },function(e,t,r){var n=r(126);function i(e){var t=function(){for(var e={ },t=Object.keys(n),r=t.length,i=0;i<r;i++)e[t[i]]={ distance:-1,parent:null };return e }(),r=[e];for(t[e].distance=0;r.length;)for(var i=r.pop(),s=Object.keys(n[i]),a=s.length,o=0;o<a;o++){ var l=s[o],c=t[l];-1===c.distance&&(c.distance=t[i].distance+1,c.parent=i,r.unshift(l))}return t }function s(e,t){return function(r){return t(e(r)) } }function a(e,t){for(var r=[t[e].parent,e],i=n[t[e].parent][e],a=t[e].parent;t[a].parent;r.unshift(t[a].parent),i=s(n[t[a].parent][a],i),a=t[a].parent;return i.conversion=r,i)e.exports=function(e){for(var t=i(e),r={ },n=Object.keys(t),s=n.length,o=0;o<s;o++){ var l=n[o];null!==t[l].parent&&(r[l]=a(l,t))}return r } },function(e,t,r){ "use strict";const n=r(98),i=r(99),s=process.env;let a;function o(e){return function(e){ return 0!==(e&&{ level:e,hasBasic:!0,has256:e>=2,has16m:e>=3 })}(function(e){ if(!1===a)return 0;if(i("color=16m"))||i("color=full")||i("color=truecolor"))return 3;if(i("color=256"))return 2;if(e&&!e.isTTY&&!0!==(a?1:0;if("win32"===process.platform){ const e=n.release().split(".");return Number(process.versions.node.split(".")[0])>=8&&Number(e[0])>=10&&Number(e[2])>=10586?Number(e[2])>=14931?3:2:1 if("CI" in s)return["TRAVIS","CIRCLECI","APPVEYOR","GITLAB_CI"].some(e=>e in s)||"codeship"===s.CI_NAME?1:t;if("TEAMCITY_VERSION" in s)return/^(\d*\.\d*)\$/i.test(s.TEAMCITY_VERSION)?1:0;if("truecolor"===s.COLORTERM)return 3;if("TERM_PROGRAM" in s){ const e=parseInt((s.TERM_PROGRAM_VERSION||"").split(".")[0],10);switch(s.TERM_PROGRAM){ case"iTerm.app":return e>=3?3:2;case"Apple_Terminal":return 2 } }return 256(color)?\$/i.test(s.TERM)?2:/^screen|^xterm|^vt100|^vt220|^rxvt|color|ansi|cygwin|linux/i.test(s.TERM)||"COLORTERM" in s?1:(s.TERM,t)}(e))i("no-color")||i("no-colors")||i("color=false")?a=!1:(i("color")||i("colors")||i("color=true")||i("color=always"))&&(a!=0),"FORCE_COLOR" in s&&(a=0===s.FORCE_COLOR.length||0!==(parseInt(s.FORCE_COLOR,10)),e.exports={ supportsColor:o,stdout:o(process.stdout),stderr:o(process.stderr) } },function(e,t,r){ "use strict";const n=(/((?:[a-f\d]{4})x[a-f\d]{2}|.))?(?:\{ (~)?(\w+(?:\{[^\}]*\})?(?:\.\w+(?:\{[^\}]*\})?)*)?(?:[\t](?:\r?\n))?(\\|)(?:[\t]+)?/gi,i=/^(?!\s)(\w+)(?:\{[^\}]*\})?/g,s=/^([\w-]+)((?:\.\d+)?)(?!\s)\$/,a=/^((?:[a-f\d]{4})x[a-f\d]{2}|.)([^\s]+)/gi,o=new Map([["n","\n"],["r","\r"],["t","\t"],["b","\b"],["f","\f"],["v","\v"],["0","\0"],["\\","\\"],[",","],["e",","],["a","]

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    ]]);function
    l(e){return"u"===e[0]&&5===e.length||"x"===e[0]&&3===e.length?String.fromCharCode(parseInt(e.slice(1),16)):
    o.get(e)|e}function c(e,t){const r=[],n=t.trim().split(/\\s*,\\s*/g);let i;for(const t of
    n)if(isNaN(t)){if(!i=t.match(s))throw new Error(`Invalid Chalk template style argument: ${t} (in style
    \\${e}\\`);r.push(i[2].replace(a,(e,t,r)=>t!l(t:r))}else r.push(Number(t));return r}function p(e){i.lastIndex=0;const
    t=[];let r;for(;;null!==(r=i.exec(e))){const e=r[1];if(r[2]){const n=c(e,r[2]);t.push([e].concat(n))}else
    t.push([e])}return t}function u(e,t){const r={};for(const e of t)for(const t of
    e.styles)r[t[0]]=e.inverse?null:t.slice(1);let n=e;for(const e of Object.keys(r))if(Array.isArray(r[e])){if(!(e in
    n))throw new Error("Unknown Chalk style: "+e);n=r[e].length>0?n[e].apply(n,r[e]):n[e]}return
    n}e.exports=(e,t)=>{const r=[],i=[];let s=[];if(t.replace(n,(t,n,a,o,c,d)=>{if(n)s.push(l(n));else if(o){const
    t=s.join("");s=[],i.push(0===r.length?t:u(e,r)(t)),r.push({inverse:a,styles:p(o)})}else if(c){if(0===r.length)throw
    new Error("Found extraneous } in Chalk template literal");i.push(u(e,r)(s.join(""))),s=[],r.pop()}else
    s.push(d)),i.push(s.join("")),r.length>0){const e=`Chalk template literal is missing ${r.length} closing
    bracket${1===r.length?"":s} (\\ \\)`;throw new Error(e)}return i.join("")},function(e,t,r){"use
    strict";Object.defineProperty(t,"__esModule",{value:!0}),t.evaluateTruthy=function(){const
    e=this.evaluate();if(e.confident)return!!e.value},t.evaluate=function(){const
    e={confident:!0,deoptPath:null,seen:new Map};let t=a(this,e);e.confident||(t=void
    0);return{confident:e.confident,deopt:e.deoptPath,value:t}};const
    n=["String","Number","Math"],i=["random"];function s(e,t){t.confident&&(t.deoptPath=e,t.confident=!1)}function
    a(e,t){const{node:r}=e,{seen:l}=t;if(l.has(r)){const n=l.get(r);return n.resolved?n.value:void s(e,t)}const
    c={resolved:!1};l.set(r,c);const
    p=function(e,t){if(!t.confident)return;const{node:r}=e;if(e.isSequenceExpression()){const
    r=e.get("expressions");return a(r[r.length-1],t)}if(e.isStringLiteral())|e.isNumericLiteral())|e.isBooleanLiteral())return
    r.value;if(e.isNullLiteral())return null;if(e.isTemplateLiteral())return
    o(e,r.quasis,t);if(e.isTaggedTemplateExpression())&&e.get("tag").isMemberExpression()){const
    n=e.get("tag.object"),{node:{name:i}}=n,s=e.get("tag.property");if(n.isIdentifier())&&"String"===i&&!e.scope.get
    Binding(i,!0)&&s.isIdentifier)&&"raw"===s.node.name)return
    o(e,r.quasi.quasis,t,!0)}if(e.isConditionalExpression()){const r=a(e.get("test"),t);if(!t.confident)return;return
    a(r?e.get("consequent"):e.get("alternate"),t)}if(e.isExpressionWrapper())return
    a(e.get("expression"),t);if(e.isMemberExpression())&&!e.parentPath.isCallExpression({callee:r}))const
    t=e.get("property"),r=e.get("object");if(r.isLiteral())&&t.isIdentifier()){const e=r.node.value,n=typeof
    e;if("number"===n||"string"===n)return e[t.node.name]}if(e.isReferencedIdentifier()){const
    n=e.scope.getBinding(r.name);if(n&&n.constantViolations.length>0)return
    s(n.path,t);if(n&&e.node.start<n.path.node.end)return s(n.path,t);if(null===n?void 0:n.hasValue)return
    n.value;if("undefined"===r.name)return n?s(n.path,t):void 0;if("Infinity"===r.name)return
    n?s(n.path,t):1/0;if("NaN"===r.name)return n?s(n.path,t):NaN;const i=e.resolve();return
    i===e?s(e,t):a(i,t)}if(e.isUnaryExpression({prefix:!0}))if("void"===r.operator)return;const
    n=e.get("argument");if("typeof"===r.operator&&(n.isFunction())|n.isClass())return"function";const
    i=a(n,t);if(!t.confident)return;switch(r.operator){case"!":return!i;case"+":return+i;case"-":return-
    i;case"~":return~i;case"typeof":return typeof i}if(e.isArrayExpression()){const r=[],n=e.get("elements");for(const e of
    n){const n=e.evaluate();if(!n.confident)return s(n.deopt,t);r.push(n.value)}return
    r}if(e.isObjectExpression()){const r={},n=e.get("properties");for(const e of
    n){if(e.isObjectMethod())|e.isSpreadElement())return s(e,t);let
    n=e.get("key");if(e.node.computed){if(n=n.evaluate(),!n.confident)return s(n.deopt,t);n=n.value}else
    n=n.isIdentifier()?n.node.name:n.node.value;let i=e.get("value").evaluate();if(!i.confident)return
    s(i.deopt,t);i=i.value,r[n]=i}return r}if(e.isLogicalExpression()){const
    n=t.confident,i=a(e.get("left"),t),s=t.confident;t.confident=n;const
    o=a(e.get("right"),t),l=t.confident;switch(r.operator){case"||":if(t.confident=s&&(!!i|l),!t.confident)return;return

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i||o;case"&&":if(t.confident=s&&(l||l),!t.confident)return;return i&&o}if(e.isBinaryExpression()){const
n=a(e.get("left"),t);if(!t.confident)return;const i=a(e.get("right"),t);if(!t.confident)return;switch(r.operator){case"-
":return n-i;case"+":return n+i;case"/":return n/i;case"*":return n*i;case"%":return n%i;case"**":return
Math.pow(n,i);case"<":return n<i;case">":return n>i;case"<=":return n<=i;case">=":return n>=i;case"===":return
n==i;case"!=":return n!=i;case"===":return n===i;case"!=":return n!==i;case"|":return n|i;case"&":return
n&i;case"^":return n^i;case"<<":return n<<i;case">>":return n>>i;case">>>":return
n>>>i}if(e.isCallExpression()){const s=e.get("callee");let
o,l;if(s.isIdentifier())&&!e.scope.getBinding(s.node.name,!0)&&n.indexOf(s.node.name)>=0&&(l=global[r.callee.name]),s.isMemberExpression()){const
e=s.get("object"),t=s.get("property");if(e.isIdentifier())&&t.isIdentifier())&&n.indexOf(e.node.name)>=0&&i.indexO
f(t.node.name)<0&&(o=global[e.node.name],l=o[t.node.name]),e.isLiteral())&&t.isIdentifier()){const r=typeof
e.node.value;"string"!==r&&"number"!==r||(o=e.node.value,l=o[t.node.name])}if(l){const
r=e.get("arguments").map(e=>a(e,t));if(!t.confident)return;return l.apply(o,r)}s(e,t)(e,t);return
t.confident&&(c.resolved=!0,c.value=p),p}}function o(e,t,r,n=11){let i="",s=0;const
o=e.get("expressions");for(const e of t){if(!r.confident)break;i+=n?e.value.raw:e.value.cooked;const
t=o[s++];t&&(i+=String(a(t,r)))if(r.confident)return i}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.toComputedKey=function(){const e=this.node;let
t;if(this.isMemberExpression())t=e.property;else if(!this.isProperty())&&!this.isMethod())throw new
ReferenceError("todo");t=e.key}e.computed||i.isIdentifier(t)&&(t=i.stringLiteral(t.name));return
t},t.ensureBlock=function(){const e=this.get("body"),t=e.node;if(Array.isArray(e))throw new Error("Can't convert
array path to a block statement");if(!t)throw new Error("Can't convert node without a
body");if(e.isBlockStatement())return t;const r=[];let
n,s,a="body";e.isStatement()?(s="body",n=0,r.push(e.node)):(a+=".body.0",this.isFunction()?(n="argument",r.push(
i.returnStatement(e.node)):(n="expression",r.push(i.expressionStatement(e.node))));this.node.body=i.blockStateme
nt(r);const o=this.get(a);return
e.setup(o,s?o.node[s]:o.node,s,n),this.node},t.arrowFunctionToShadowed=function(){if(!this.isArrowFunctionExpres
sion())return;this.arrowFunctionToExpression(),t.unwrapFunctionEnvironment=function(){if(!this.isArrowFunction
onExpression())&&!this.isFunctionExpression())&&!this.isFunctionDeclaration())throw
this.buildCodeFrameError("Can only unwrap the environment of a
function.");o(this)},t.arrowFunctionToExpression=function({allowInsertArrow:e=!0,specCompliant:t=!1}={}){if(!t
his.isArrowFunctionExpression())throw this.buildCodeFrameError("Cannot convert non-arrow function to a
function expression.");const r=o(this,t,e);if(this.ensureBlock(),this.node.type="FunctionExpression",t){const
e=r?null:this.parentPath.scope.generateUidIdentifier("arrowCheckId");e&&this.parentPath.scope.push({id:e,init:i.ob
jectExpression([])},this.get("body").unshiftContainer("body",i.expressionStatement(i.callExpression(this.hub.addH
elper("newArrowCheck"),[i.thisExpression(),e?i.identifier(e.name):i.identifier(r)]))),this.replaceWith(i.callExpres
sion(i.memberExpression((0,s.default)(this,!0)||this.node,i.identifier("bind")),[e?i.identifier(e.name):i.thisExpression()
]));var n,i=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return {default:e};var t=a();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0)),s=(n=r(355))&&n.__esModule?n:{default:n};function a(){if("function"!==typeof
WeakMap)return null;var e=new WeakMap;return a=function(){return e},e}function o(e,t=!1,r=!0){const
n=e.findParent(e=>e.isFunction())&&!e.isArrowFunctionExpression())||e.isProgram())||e.isClassProperty({static:!1})),
s="constructor"===n?(null===n?void 0:n.node.kind);if(n.isClassProperty())throw e.buildCodeFrameError("Unable to
transform arrow inside class
property");const {thisPaths:a,argumentsPaths:o,newTargetPaths:p,superProps:u,superCalls:d}=function(e){const
t=[],r=[],n=[],i=[],s=[];return

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e.traverse({ClassProperty(e){e.skip()},Function(e){e.isArrowFunctionExpression()||e.skip()},ThisExpression(e){t.p
ush(e)},JSXIdentifier(e){"this"===e.node.name&&(e.parentPath.isJSXMemberExpression({object:e.node})||e.paren
tPath.isJSXOpeningElement({name:e.node}))&&t.push(e)},CallExpression(e){e.get("callee").isSuper()&&s.push(e
)},MemberExpression(e){e.get("object").isSuper()&&i.push(e)},ReferencedIdentifier(e){"arguments"===e.node.na
me&&r.push(e)},MetaProperty(e){e.get("meta").isIdentifier({name:"new"})&&e.get("property").isIdentifier({name
:"target"})&&n.push(e)}},{thisPaths:t,argumentsPaths:r,newTargetPaths:n,superProps:i,superCalls:s})(e);if(s&&d.
length>0){if(!r)throw d[0].buildCodeFrameError("Unable to handle nested super() usage in arrow");const
e=[];n.traverse({Function(e){e.isArrowFunctionExpression()||e.skip()},ClassProperty(e){e.skip()},CallExpression(t)
{t.get("callee").isSuper()&&e.push(t)});const t=function(e){return c(e,"supercall",()=>{const
t=e.scope.generateUidIdentifier("args");return
i.arrowFunctionExpression([i.restElement(t),i.callExpression(i.super(),[i.spreadElement(i.identifier(t.name))])])}(
n);e.forEach(e=>{const r=i.identifier(t);r.loc=e.node.callee.loc,e.get("callee").replaceWith(r)})}if(o.length>0){const
e=c(n,"arguments",()=>i.identifier("arguments"));o.forEach(t=>{const
r=i.identifier(e);r.loc=t.node.loc,t.replaceWith(r)})}if(p.length>0){const
e=c(n,"newtarget",()=>i.metaProperty(i.identifier("new"),i.identifier("target")));p.forEach(t=>{const
r=i.identifier(e);r.loc=t.node.loc,t.replaceWith(r)})}if(u.length>0){if(!r)throw u[0].buildCodeFrameError("Unable to
handle nested super.prop
usage");u.reduce((e,t)=>e.concat(function(e){if(e.parentPath.isAssignmentExpression()&&"!="===e.parentPath.node
.operator){const t=e.parentPath,r=t.node.operator.slice(0,-
1),n=t.node.right;if(t.node.operator="=",e.node.computed){const
s=e.scope.generateDeclaredUidIdentifier("tmp");t.get("left").replaceWith(i.memberExpression(e.node.object,i.assig
nmentExpression("=",s,e.node.property),!0)),t.get("right").replaceWith(i.binaryExpression(r,i.memberExpression(e.
node.object,i.identifier(s.name),!0),n))}else
t.get("left").replaceWith(i.memberExpression(e.node.object,e.node.property)),t.get("right").replaceWith(i.binaryExp
ression(r,i.memberExpression(e.node.object,i.identifier(e.node.property.name)),n));return[t.get("left"),t.get("right")
.get("left")]}if(e.parentPath.isUpdateExpression()){const
t=e.parentPath,r=e.scope.generateDeclaredUidIdentifier("tmp"),n=e.node.computed?e.scope.generateDeclaredUidId
entifier("prop"):null,s=[i.assignmentExpression("=",r,i.memberExpression(e.node.object,n?i.assignmentExpression(
"=",n,e.node.property):e.node.property,e.node.computed),i.assignmentExpression("=",i.memberExpression(e.node.
object,n?i.identifier(n.name):e.node.property,e.node.computed),i.binaryExpression("+",i.identifier(r.name),i.numeric
Literal(1)))];e.parentPath.node.prefix||s.push(i.identifier(r.name)),t.replaceWith(i.sequenceExpression(s));const
a=t.get("expressions.0.right"),o=t.get("expressions.1.left");return[a,o]}return[e]}(t),[]).forEach(e=>{const
t=e.node.computed?"":e.get("property").node.name,r=e.parentPath.isAssignmentExpression({left:e.node}),s=e.paren
tPath.isCallExpression({callee:e.node}),o=function(e,t,r){return
c(e,`superprop_${t?"set":"get"}:${r||""}`),()=>{const n=[];let
s;if(r)s=i.memberExpression(i.super(),i.identifier(r));else {const
t=e.scope.generateUidIdentifier("prop");n.unshift(t),s=i.memberExpression(i.super(),i.identifier(t.name),!0)}if(t){co
nst t=e.scope.generateUidIdentifier("value");n.push(t),s=i.assignmentExpression("=",s,i.identifier(t.name))}return
i.arrowFunctionExpression(n,s)}(n,r,t),l=[];if(e.node.computed&&l.push(e.get("property").node),r){const
t=e.parentPath.node.right;l.push(t)}const
p=i.callExpression(i.identifier(o),l);s?(e.parentPath.unshiftContainer("arguments",i.thisExpression()),e.replaceWith(
i.memberExpression(p,i.identifier("call"))),a.push(e.parentPath.get("arguments.0"))):r?e.parentPath.replaceWith(p):
e.replaceWith(p)}let h;return(a.length>0||t)&&(h=function(e,t){return c(e,"this",r=>{if(!t||!(e))return
i.thisExpression();const n=new
WeakSet;e.traverse({Function(e){e.isArrowFunctionExpression()||e.skip()},ClassProperty(e){e.skip()},CallExpressi
on(e){e.get("callee").isSuper()&&(n.has(e.node)||n.add(e.node),e.replaceWithMultiple([e.node,i.assignmentExpress
ion("=",i.identifier(r),i.identifier("this"))])})})}(n,s),(t||s&&l(n))&&(a.forEach(e=>{const
t=e.isJSX()?i.jsxIdentifier(h):i.identifier(h);t.loc=e.node.loc,e.replaceWith(t)}),t&&(h=null))),h}function l(e){return

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e.isClassMethod()&&!e.parentPath.parentPath.node.superClass}function c(e,t,r){const n="binding:"+t;let
i=e.getData(n);if(!i){const
s=e.scope.generateUidIdentifier(t);i=s.name,e.setData(n,i),e.scope.push({id:s,init:r(i)})}return
i}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function({node:e,parent:t,scope:r,id:i,a=!1}){if(e
.id)return;if(!s.isObjectProperty(t)&&!s.isObjectMethod(t,{kind:"method"})||t.computed&&!s.isLiteral(t.key)){if(s.i
sVariableDeclarator(t)){if(i=t.id,s.isIdentifier(i)&&!a){const
t=r.parent.getBinding(i.name);if(t&&t.constant&&r.getBinding(i.name)===t)return
e.id=s.cloneNode(i),void(e.id[s.NOT_LOCAL_BINDING]=!0)}else
if(s.isAssignmentExpression(t,{operator:"="}))i=t.left;else if(!i)return}else i=t.key;let
o;i&&s.isLiteral(i)?o=function(e){if(s.isNullLiteral(e))return"null";if(s.isRegExpLiteral(e))return`_${e.pattern}`_${e
.flags}`;if(s.isTemplateLiteral(e))return e.quasis.map(e=>e.value.raw).join("");if(void 0!==(e.value))return
e.value+"";return""}(i):i&&s.isIdentifier(i)&&(o=i.name);if(void
0===o)return;o=s.toBindingIdentifierName(o),(i=s.identifier(o))[s.NOT_LOCAL_BINDING]=!0;return
function(e,t,r,i){if(e.selfReference){if(!i.hasBinding(r.name)||i.hasGlobal(r.name)){if(!s.isFunction(t))return;let
e=l;t.generator&&(e=c);const
a=e({FUNCTION:t,FUNCTION_ID:r,FUNCTION_KEY:i.generateUidIdentifier(r.name)}).expression,o=a.callee.b
ody.body[0].params;for(let e=0,r=(0,n.default)(t);e<r;e++)o.push(i.generateUidIdentifier("x"));return
a}i.rename(r.name)}t.id=r,i.getProgramParent().references[r.name]=!0}(function(e,t,r){const
n={selfAssignment:!1,selfReference:!1,outerDeclar:r.getBindingIdentifier(t),references:[],name:t},i=r.getOwnBindi
ng(t);i?"param"===i.kind&&(n.selfReference=!0):(n.outerDeclar||r.hasGlobal(t))&&r.traverse(e,p,n);return
n}(e,o,r),e,i,r)||e};var n=o(r(356)),i=o(r(357)),s=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=a();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(20));function a(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
a=function(){return e},e}function o(e){return e&&e.__esModule?e:{default:e}}const l=(0,i.default)("\\n (function
(FUNCTION_KEY) {\\n  function FUNCTION_ID() {\\n    return FUNCTION_KEY.apply(this, arguments);\\n
}\\n\\n  FUNCTION_ID.toString = function () {\\n    return FUNCTION_KEY.toString();\\n  }\\n\\n  return
FUNCTION_ID;\\n })(FUNCTION)\\n"),c=(0,i.default)("\\n (function (FUNCTION_KEY) {\\n  function*
FUNCTION_ID() {\\n    return yield* FUNCTION_KEY.apply(this, arguments);\\n  }\\n\\n
FUNCTION_ID.toString = function () {\\n    return FUNCTION_KEY.toString();\\n  };\\n\\n  return
FUNCTION_ID;\\n
})(FUNCTION)\\n"),p={"ReferencedIdentifier|BindingIdentifier"(e,t){if(e.node.name!==t.name)return;e.scope.getB
indingIdentifier(t.name)===t.outerDeclar&&(t.selfReference=!0,e.stop())}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const t=e.params;for(let
e=0;e<t.length;e++){const r=t[e];if(n.isAssignmentPattern(r)||n.isRestElement(r))return e}return t.length};var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(20));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=t.program=t.expression=t.statements=t.statement
=t.smart=void 0;var n,i=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{default:e};var t=a();if(t&&t.has(e))return t.get(e);var

```

```

r={ },n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){ var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(358)),s=(n=r(359))&&n.__esModule?n:{default:n};function a(){if("function"!==typeof
WeakMap)return null;var e=new WeakMap;return a=function(){return e},e}const
o=(0,s.default)(i.smart);t.smart=o;const l=(0,s.default)(i.statement);t.statement=l;const
c=(0,s.default)(i.statements);t.statements=c;const p=(0,s.default)(i.expression);t.expression=p;const
u=(0,s.default)(i.program);t.program=u;var d=Object.assign(o.bind(void
0),{ smart:o,statement:l,statements:c,expression:p,program:u,ast:o.ast });t.default=d},function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value: !0 }); t.program=t.expression=t.statement=t.statements=t.smart=
void 0; var n=function(e){ if(e&&e.__esModule)return e; if(null===e||"object"!==typeof e&&"function"!==typeof
e)return { default: e }; var t=i(); if(t&&t.has(e))return t.get(e); var
r={ },n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){ var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(20));function i(){ if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e){ return { code: e=>"/ * @babel/template
*/; \n"+e, validate: ()=>{ }, unwrap: t=>e(t.program.body.slice(1)) } } const a=s(e=>e.length>1?e:e[0]); t.smart=a; const
o=s(e=>e); t.statements=o; const l=s(e=>{ if(0===e.length)throw new Error("Found nothing to
return."); if(e.length>1)throw new Error("Found multiple statements but wanted one"); return
e[0] }); t.statement=l; const c={ code: e=>`(\n${e}\n)`, validate: e=>{ if(e.program.body.length>1)throw new
Error("Found multiple statements but wanted one"); if(0===c.unwrap(e).start)throw new Error("Parse result included
parens.") }, unwrap: ({ program: e })=>{ const [t]=e.body; return
n.assertExpressionStatement(t,t.expression) }; t.expression=c; t.program={ code: e=>e, validate: ()=>{ }, unwrap: e=>e.p
rogram } }, function(e,t,r){ "use strict"; Object.defineProperty(t, "__esModule", { value: !0 }); t.default=function
e(t,r){ const a=new WeakMap,c=new WeakMap,p=r||(0,n.validate)(null); return
Object.assign((r,...o)=>{ if("string"===typeof r){ if(o.length>1)throw new Error("Unexpected extra params."); return
l((0,i.default)(t,r,(0,n.merge)(p,(0,n.validate)(o[0]))) } if(Array.isArray(r)){ let e=a.get(r); return
e||(e=(0,s.default)(t,r,p),a.set(r,e)),l(e(o)) } if("object"===typeof r&&r){ if(o.length>0)throw new Error("Unexpected
extra params."); return e(t,(0,n.merge)(p,(0,n.validate)(r))) } throw new Error("Unexpected template param "+typeof
r) }, { ast: (e,...r)=>{ if("string"===typeof e){ if(r.length>1)throw new Error("Unexpected extra
params."); return(0,i.default)(t,e,(0,n.merge)((0,n.merge)(p,(0,n.validate)(r[0])),o) ) } if(Array.isArray(e)){ let
i=c.get(e); return i||(i=(0,s.default)(t,e,(0,n.merge)(p,o)),c.set(e,i),i(r)) } throw new Error("Unexpected template
param "+typeof e) } } }; var n=r(59),i=a(r(360)),s=a(r(362)); function a(e){ return
e&&e.__esModule?e:{ default:e } } const o=(0,n.validate)([placeholderPattern:!1]); function l(e){ let t=""; try { throw
new Error } catch(e) { e.stack&&(t=e.stack.split("\n").slice(3).join("\n")) } return r=>{ try { return e(r) } catch(e) { throw
e.stack+="\n =====\n"+t,e } } }, function(e,t,r){ "use
strict"; Object.defineProperty(t, "__esModule", { value: !0 }); t.default=function(e,t,r){ let a; return t=e.code(t),o=>{ const
l=(0,n.normalizeReplacements)(o); return a||(a=(0,i.default)(e,t,r),e.unwrap((0,s.default)(a,l)) ) }; var
n=r(59),i=a(r(127)),s=a(r(128)); function a(e){ return e&&e.__esModule?e:{ default:e } } }, function(e,t,r){ "use
strict"; Object.defineProperty(t, "__esModule", { value: !0 }); class n { constructor(e,t={}) { this.label=void
0,this.keyword=void 0,this.beforeExpr=void 0,this.startsExpr=void 0,this.rightAssociative=void 0,this.isLoop=void
0,this.isAssign=void 0,this.prefix=void 0,this.postfix=void 0,this.binop=void 0,this.updateContext=void
0,this.label=e,this.keyword=t.keyword,this.beforeExpr=!t.beforeExpr,this.startsExpr=!t.startsExpr,this.rightAssoci
ative=!t.rightAssociative,this.isLoop=!t.isLoop,this.isAssign=!t.isAssign,this.prefix=!t.prefix,this.postfix=!t.post
fix,this.binop=null!=t.binop?t.binop:null,this.updateContext=null } } const i=new Map; function
s(e,t={}) { t.keyword=e; const r=new n(e,t); return i.set(e,r),r } function a(e,t){ return new
n(e,{ beforeExpr:!0,binop:t }) } const o={ num:new n("num",{ startsExpr:!0 }), bigint:new

```


parameter.",ConstructorClassField:"Classes may not have a field named
\constructor\'",ConstructorClassPrivateField:"Classes may not have a private field named
\#constructor\'",ConstructorIsAccessor:"Class constructor may not be an
accessor.",ConstructorIsAsync:"Constructor can\'t be an async function.",ConstructorIsGenerator:"Constructor can\'t
be a generator.",DeclarationMissingInitializer:"\%0\' require an initialization
value.",DecoratorBeforeExport:"Decorators must be placed *before* the \'export\' keyword. You can set the
\decoratorsBeforeExport\' option to false to use the \'export @decorator class { }\'
syntax.",DecoratorConstructor:"Decorators can\'t be used with a constructor. Did you mean \'@dec class { ...
}\'?",DecoratorExportClass:"Using the export keyword between a decorator and a class is not allowed. Please use
`export @dec class` instead.",DecoratorSemicolon:"Decorators must not be followed by a
semicolon.",DecoratorStaticBlock:"Decorators can\'t be used with a static block.",DeletePrivateField:"Deleting a
private field is not allowed.",DestructureNamedImport:"ES2015 named imports do not destructure. Use another
statement for destructuring after the import.",DuplicateConstructor:"Duplicate constructor in the same
class.",DuplicateDefaultExport:"Only one default export allowed per module.",DuplicateExport:"`%0` has already
been exported. Exported identifiers must be unique.",DuplicateProto:"Redefinition of __proto__
property.",DuplicateRegExpFlags:"Duplicate regular expression flag.",ElementAfterRest:"Rest element must be last
element.",EscapedCharNotAnIdentifier:"Invalid Unicode escape.",ExportBindingIsString:"A string literal cannot be
used as an exported binding without `from`.\\n- Did you mean `export { \%0\' as \%1\' } from `some-
module`?"',ExportDefaultFromAsIdentifier:"`from` is not allowed as an identifier after `export
default`.",ForInOfLoopInitializer:"\%0\' loop variable declaration may not have an initializer.",ForOfAsync:"The
left-hand side of a for-of loop may not be `async`.",ForOfLet:"The left-hand side of a for-of loop may not start with
`let`.",GeneratorInSingleStatementContext:"Generators can only be declared at the top level or inside a
block.",IllegalBreakContinue:"Unsyntactic %0.",IllegalLanguageModeDirective:"Illegal `use strict` directive in
function with non-simple parameter list.",IllegalReturn:"`return` outside of function.",ImportBindingIsString:"A
string literal cannot be used as an imported binding.\\n- Did you mean `import { \"%0\" as foo
}?`",ImportCallArgumentTrailingComma:"Trailing comma is disallowed inside import(...)
arguments.",ImportCallArity:"`import()` requires exactly %0.",ImportCallNotNewExpression:"Cannot use new with
import(...).",ImportCallSpreadArgument:"`...` is not allowed in `import()`.",InvalidBigIntLiteral:"Invalid
BigIntLiteral.",InvalidCodePoint:"Code point out of bounds.",InvalidDecimal:"Invalid
decimal.",InvalidDigit:"Expected number in radix %0.",InvalidEscapeSequence:"Bad character escape
sequence.",InvalidEscapeSequenceTemplate:"Invalid escape sequence in
template.",InvalidEscapedReservedWord:"Escape sequence in keyword %0.",InvalidIdentifier:"Invalid identifier
%0.",InvalidLhs:"Invalid left-hand side in %0.",InvalidLhsBinding:"Binding invalid left-hand side in
%0.",InvalidNumber:"Invalid number.",InvalidOrMissingExponent:"Floating-point numbers require a valid
exponent after the `e`.",InvalidOrUnexpectedToken:"Unexpected character
`%0`.",InvalidParenthesizedAssignment:"Invalid parenthesized assignment
pattern.",InvalidPrivateFieldResolution:"Private name #%0 is not defined.",InvalidPropertyBindingPattern:"Binding
member expression.",InvalidRecordProperty:"Only properties and spread elements are allowed in record
definitions.",InvalidRestAssignmentPattern:"Invalid rest operator\'s argument.",LabelRedeclaration:"Label `%0` is
already declared.",LetInLexicalBinding:"`let` is not allowed to be used as a name in `let` or `const`
declarations.",LineTerminatorBeforeArrow:"No line break is allowed before
`=>`.",MalformedRegExpFlags:"Invalid regular expression flag.",MissingClassName:"A class name is
required.",MissingEqInAssignment:"Only `=` operator can be used for specifying default
value.",MissingSemicolon:"Missing semicolon.",MissingUnicodeEscape:"Expecting Unicode escape sequence
`\\uXXXX`.",MixingCoalesceWithLogical:"Nullish coalescing operator(??) requires parens when mixing with
logical operators.",ModuleAttributeDifferentFromType:"The only accepted module attribute is
`type`.",ModuleAttributeInvalidValue:"Only string literals are allowed as module attribute
values.",ModuleAttributesWithDuplicateKeys:"Duplicate key \"%0\" is not allowed in module

attributes.\,ModuleExportNameHasLoneSurrogate:"An export name cannot include a lone surrogate, found '\\\\u%0\'",ModuleExportUndefined:"Export \'%0\' is not defined.",MultipleDefaultsInSwitch:"Multiple default clauses.",NewlineAfterThrow:"Illegal newline after throw.",NoCatchOrFinally:"Missing catch or finally clause.",NumberIdentifier:"Identifier directly after number.",NumericSeparatorInEscapeSequence:"Numeric separators are not allowed inside unicode escape sequences or hex escape sequences.",ObsoleteAwaitStar:"\'await*\' has been removed from the async functions proposal. Use Promise.all() instead.",OptionalChainingNoNew:"Constructors in/after an Optional Chain are not allowed.",OptionalChainingNoTemplate:"Tagged Template Literals are not allowed in optionalChain.",OverrideOnConstructor:"\'override\' modifier cannot appear on a constructor declaration.",ParamDupe:"Argument name clash.",PatternHasAccessor:"Object pattern can't contain getter or setter.",PatternHasMethod:"Object pattern can't contain methods.",PipelineBodyNoArrow:"Unexpected arrow '=>' after pipeline body; arrow function in pipeline body must be parenthesized.\,PipelineBodySequenceExpression:"Pipeline body may not be a comma-separated sequence expression.",PipelineHeadSequenceExpression:"Pipeline head should not be a comma-separated sequence expression.",PipelineTopicUnused:"Pipeline is in topic style but does not use topic reference.",PrimaryTopicNotAllowed:"Topic reference was used in a lexical context without topic binding.",PrimaryTopicRequiresSmartPipeline:"Primary Topic Reference found but pipelineOperator not passed \'smart\' for \'proposal\' option.",PrivateInExpectedIn:"Private names are only allowed in property accesses (obj.#%0) or in `in` expressions (%0 in obj`)",PrivateNameRedeclaration:"Duplicate private name #%0.",RecordExpressionBarIncorrectEndSyntaxType:"Record expressions ending with `|}` are only allowed when the `syntaxType` option of the `recordAndTuple` plugin is set to `bar`.",RecordExpressionBarIncorrectStartSyntaxType:"Record expressions starting with `{|` are only allowed when the `syntaxType` option of the `recordAndTuple` plugin is set to `bar`.",RecordExpressionHashIncorrectStartSyntaxType:"Record expressions starting with `#{` are only allowed when the `syntaxType` option of the `recordAndTuple` plugin is set to `hash`.",RecordNoProto:"`__proto__` is not allowed in Record expressions.",RestTrailingComma:"Unexpected trailing comma after rest element.",SloppyFunction:"In non-strict mode code, functions can only be declared at top level, inside a block, or as the body of an if statement.",StaticPrototype:"Classes may not have static property named prototype.",StrictDelete:"Deleting local variable in strict mode.",StrictEvalArguments:"Assigning to `%0` in strict mode.",StrictEvalArgumentsBinding:"Binding `%0` in strict mode.",StrictFunction:"In strict mode code, functions can only be declared at top level or inside a block.",StrictNumericEscape:"The only valid numeric escape in strict mode is '\\\\0\'",StrictOctalLiteral:"Legacy octal literals are not allowed in strict mode.",StrictWith:"`with` in strict mode.",SuperNotAllowed:"`super` is only valid inside a class constructor of a subclass. Maybe a typo in the method name (\'constructor\') or not extending another class?",SuperPrivateField:"Private fields can't be accessed on super.",TrailingDecorator:"Decorators must be attached to a class element.",TupleExpressionBarIncorrectEndSyntaxType:"Tuple expressions ending with `|]` are only allowed when the `syntaxType` option of the `recordAndTuple` plugin is set to `bar`.",TupleExpressionBarIncorrectStartSyntaxType:"Tuple expressions starting with `[|` are only allowed when the `syntaxType` option of the `recordAndTuple` plugin is set to `bar`.",TupleExpressionHashIncorrectStartSyntaxType:"Tuple expressions starting with `#[` are only allowed when the `syntaxType` option of the `recordAndTuple` plugin is set to `hash`.",UnexpectedArgumentPlaceholder:"Unexpected argument placeholder.",UnexpectedAwaitAfterPipelineBody:"Unexpected `await` after pipeline body; await must have parentheses in minimal proposal.\,UnexpectedDigitAfterHash:"Unexpected digit after hash token.",UnexpectedImportExport:"`import` and `export` may only appear at the top level.",UnexpectedKeyword:"Unexpected keyword `%0`.",UnexpectedLeadingDecorator:"Leading decorators must be attached to a class declaration.",UnexpectedLexicalDeclaration:"Lexical declaration cannot appear in a single-statement context.",UnexpectedNewTarget:"`new.target` can only be used in functions or class

properties.",UnexpectedNumericSeparator:"A numeric separator is only allowed between two digits.",UnexpectedPrivateField:"Private names can only be used as the name of a class element (i.e. class C { #p = 42; #m() { } })\n or a property of member expression (i.e. this.#p).",UnexpectedReservedWord:"Unexpected reserved word \"%0\".",UnexpectedSuper:"\`super\` is only allowed in object methods and classes.",UnexpectedToken:"Unexpected token \"%0\".",UnexpectedTokenUnaryExponentiation:"Illegal expression. Wrap left hand side or entire exponentiation in parentheses.",UnsupportedBind:"Binding should be performed on object property.",UnsupportedDecoratorExport:"A decorated export must export a class declaration.",UnsupportedDefaultExport:"Only expressions, functions or classes are allowed as the `default` export.",UnsupportedImport:"`import` can only be used in `import()` or `import.meta`.",UnsupportedMetaProperty:"The only valid meta property for %0 is %0.%1.",UnsupportedParameterDecorator:"Decorators cannot be used to decorate parameters.",UnsupportedPropertyDecorator:"Decorators cannot be used to decorate object literal properties.",UnsupportedSuper:"\`super\` can only be used with function calls (i.e. super()) or in property accesses (i.e. super.prop or super[prop]).",UnterminatedComment:"Unterminated comment.",UnterminatedRegExp:"Unterminated regular expression.",UnterminatedString:"Unterminated string constant.",UnterminatedTemplate:"Unterminated template.",VarRedeclaration:"Identifier \"%0\" has already been declared.",YieldBindingIdentifier:"Can not use `yield` as identifier inside a generator.",YieldInParameter:"Yield expression is not allowed in formal parameters.",ZeroDigitNumericSeparator:"Numeric separator can not be used after leading 0.",y.SyntaxError),b=g({ ImportMetaOutsideModule:"import.meta may appear only with `sourceType: \"module\"`, ImportOutsideModule:"`import` and `export` may appear only with `sourceType: \"module\"`,y.SourceTypeModuleError});function g(e,t){const r={};return Object.keys(e).forEach(n=>{r[n]=Object.freeze({code:t.reasonCode:n,template:e[n]})}),Object.freeze(r)}class S{constructor(e,t,r,n){this.token=void 0,this.isExpr=void 0,this.preserveSpace=void 0,this.override=void 0,this.token=e,this.isExpr=!t,this.preserveSpace=!r,this.override=n}const x={braceStatement:new S("{",!1),braceExpression:new S("{",!0),recordExpression:new S("#{",!0),templateQuasi:new S("\${",!1),parenStatement:new S("(",!1),parenExpression:new S("(",!0),template:new S("",!0,!0,e=>e.readTplToken()),functionExpression:new S("function",!0),functionStatement:new S("function",!1)};o.parenR.updateContext=o.braceR.updateContext=function(){if(1===this.state.context.length)return void(this.state.exprAllowed=!0)};let e=this.state.context.pop();e===x.braceStatement&&"function"===this.curContext().token&&(e=this.state.context.pop()),this.state.exprAllowed=!e.isExpr},o.name.updateContext=function(e){let t=!1;e!==(o.dot&&("of"!==this.state.value||this.state.exprAllowed||e===o._function||e===o._class||(t=!0)),this.state.exprAllowed=t},o.braceL.updateContext=function(e){this.state.context.push(this.braceIsBlock(e)?x.braceStatement:x.braceExpression),this.state.exprAllowed=!0},o.dollarBraceL.updateContext=function(){this.state.context.push(x.templateQuasi),this.state.exprAllowed=!0},o.parenL.updateContext=function(e){const t=e===o._if||e===o._for||e===o._with||e===o._while;this.state.context.push(t?x.parenStatement:x.parenExpression),this.state.exprAllowed=!0},o.incDec.updateContext=function(){},o._function.updateContext=o._class.updateContext=function(e){!e.beforeExpr||e===o.semi||e===o._else||e===o._return&&this.hasPrecedingLineBreak()|(e===o.colon||e===o.braceL)&&this.curContext()===x.b_stat?this.state.context.push(x.functionStatement):this.state.context.push(x.functionExpression),this.state.exprAllowed=!1},o.backQuote.updateContext=function(){this.curContext()===x.template?this.state.context.pop():this.state.context.push(x.template),this.state.exprAllowed=!1},o.braceHashL.updateContext=function(){this.state.context.push(x.recordExpression),this.state.exprAllowed=!0};let E="µÀ-Öø-öø-^-----",P="-----";const v=new RegExp("[+E+]"),A=new RegExp("[+E+P+]");E=P=null;const w=[0,11,2,25,2,18,2,1,2,14,3,13,35,122,70,52,268,28,4,48,48,31,14,29,6,37,11,29,3,35,5,7,2,4,43,157,19,35,5,35,5,39,9,51,157,310,10,21,11,7,153,5,3,0,2,43,2,1,4,0,3,22,11,22,10,30,66,18,2,1,11,21,11,25,71,55,7,1,65,0,16,3,2,2,2,

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28,43,28,4,28,36,7,2,27,28,53,11,21,11,18,14,17,111,72,56,50,14,50,14,35,349,41,7,1,79,28,11,0,9,21,107,20,28,22,
13,52,76,44,33,24,27,35,30,0,3,0,9,34,4,0,13,47,15,3,22,0,2,0,36,17,2,24,85,6,2,0,2,3,2,14,2,9,8,46,39,7,3,1,3,21,2,6
,2,1,2,4,4,0,19,0,13,4,159,52,19,3,21,2,31,47,21,1,2,0,185,46,42,3,37,47,21,0,60,42,14,0,72,26,230,43,117,63,32,7,3
,0,3,7,2,1,2,23,16,0,2,0,95,7,3,38,17,0,2,0,29,0,11,39,8,0,22,0,12,45,20,0,35,56,264,8,2,36,18,0,50,29,113,6,2,1,2,37
,22,0,26,5,2,1,2,31,15,0,328,18,190,0,80,921,103,110,18,195,2749,1070,4050,582,8634,568,8,30,114,29,19,47,17,3,
32,20,6,18,689,63,129,74,6,0,67,12,65,1,2,0,29,6135,9,1237,43,8,8952,286,50,2,18,3,9,395,2309,106,6,12,4,8,8,9,5
991,84,2,70,2,1,3,0,3,1,3,3,2,11,2,0,2,6,2,64,2,3,3,7,2,6,2,27,2,3,2,4,2,0,4,6,2,339,3,24,2,24,2,30,2,24,2,30,2,24,2,30
,2,24,2,30,2,24,2,7,2357,44,11,6,17,0,370,43,1301,196,60,67,8,0,1205,3,2,26,2,1,2,0,3,0,2,9,2,3,2,0,2,0,7,0,5,0,2,0,2
,0,2,2,2,1,2,0,3,0,2,0,2,0,2,0,2,1,2,0,3,3,2,6,2,3,2,3,2,0,2,9,2,16,6,2,2,4,2,16,4421,42717,35,4148,12,221,3,5761,
15,7472,3104,541,1507,4938],O=[509,0,227,0,150,4,294,9,1368,2,2,1,6,3,41,2,5,0,166,1,574,3,9,9,370,1,154,10,17
6,2,54,14,32,9,16,3,46,10,54,9,7,2,37,13,2,9,6,1,45,0,13,2,49,13,9,3,2,11,83,11,7,0,161,11,6,9,7,3,56,1,2,6,3,1,3,2,1
0,0,11,1,3,6,4,4,193,17,10,9,5,0,82,19,13,9,214,6,3,8,28,1,83,16,16,9,82,12,9,9,84,14,5,9,243,14,166,9,71,5,2,1,3,3,
2,0,2,1,13,9,120,6,3,6,4,0,29,9,41,6,2,3,9,0,10,10,47,15,406,7,2,7,17,9,57,21,2,13,123,5,4,0,2,1,2,6,2,0,9,9,49,4,2,1,
2,4,9,9,330,3,19306,9,135,4,60,6,26,9,1014,0,2,54,8,3,82,0,12,1,19628,1,5319,4,4,5,9,7,3,6,31,3,149,2,1418,49,513,
54,5,49,9,0,15,0,23,4,2,14,1361,6,2,16,3,6,2,1,2,4,262,6,10,9,419,13,1495,6,110,6,6,9,4759,9,787719,239];function
I(e,t){let r=65536;for(let
n=0,i=t.length;n<i;n+=2){if(r+=t[n],r>e)return!1;if(r+=t[n+1],r>=e)return!0}return!1}function C(e){return
e<65?36===e:e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&v.test(String.fromCharCode(e)):I(e,w)))}functi
on N(e){return
e<48?36===e:e<58||!(e<65)&&(e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&A.test(String.fromCharCode
(e)):I(e,w)||I(e,O)))}const
k=["implements","interface","let","package","private","protected","public","static","yield"],D=["eval","arguments"],
_=new
Set(["break","case","catch","continue","debugger","default","do","else","finally","for","function","if","return","swit
ch","throw","try","var","const","while","with","new","this","super","class","extends","export","import","null","true"
,"false","in","instanceof","typeof","void","delete"]),L=new Set(k),M=new Set(D);function j(e,t){return
t&&"await"===e||"enum"===e}function F(e,t){return j(e,t)||L.has(e)}function R(e){return M.has(e)}function
B(e,t){return F(e,t)||R(e)}function U(e){return _.has(e)}const V=/^in(stanceof)?$/;class
K{constructor(e){this.flags=void 0,this.var=[],this.lexical=[],this.functions=[],this.flags=e}class
q{constructor(e,t){this.scopeStack=[],this.undefinedExports=new Map,this.undefinedPrivateNames=new
Map,this.raise=e,this.inModule=t}get inFunction(){return(2&this.currentVarScope().flags)>0}get
allowSuper(){return(16&this.currentThisScope().flags)>0}get
allowDirectSuper(){return(32&this.currentThisScope().flags)>0}get
inClass(){return(64&this.currentThisScope().flags)>0}get
inStaticBlock(){return(128&this.currentThisScope().flags)>0}get
inNonArrowFunction(){return(2&this.currentThisScope().flags)>0}get treatFunctionsAsVar(){return
this.treatFunctionsAsVarInScope(this.currentScope())}createScope(e){return new
K(e)}enter(e){this.scopeStack.push(this.createScope(e))}exit(){this.scopeStack.pop()}treatFunctionsAsVarInScope(
e){return!!(2&e.flags||!this.inModule&&1&e.flags)}declareName(e,t,r){let
n=this.currentScope();if(8&t||16&t)this.checkRedeclarationInScope(n,e,t,r),16&t?n.functions.push(e):n.lexical.push(
e),8&t&&this.maybeExportDefined(n,e);else if(4&t)for(let i=this.scopeStack.length-
1;i>=0&&(n=this.scopeStack[i],this.checkRedeclarationInScope(n,e,t,r),n.var.push(e),this.maybeExportDefined(n,e)
,! (259&n.flags));--
i);this.inModule&&1&n.flags&&this.undefinedExports.delete(e)}maybeExportDefined(e,t){this.inModule&&1&e.f
lags&&this.undefinedExports.delete(t)}checkRedeclarationInScope(e,t,r,n){this.isRedeclaredInScope(e,t,r)&&this.r
aise(n,T.VarRedeclaration,t)}isRedeclaredInScope(e,t,r){return!!(1&r)&&(8&r?e.lexical.indexOf(t)>-
1||e.functions.indexOf(t)>-1||e.var.indexOf(t)>-1:16&r?e.lexical.indexOf(t)>-
1||this.treatFunctionsAsVarInScope(e)&&e.var.indexOf(t)>-1:e.lexical.indexOf(t)>-

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1 &&! (8&&e.flags&&e.lexical[0]===t)||!this.treatFunctionsAsVarInScope(e)&&e.functions.indexOf(t)>-
1))checkLocalExport(e){-1===this.scopeStack[0].lexical.indexOf(e.name)&&-
1===this.scopeStack[0].var.indexOf(e.name)&&-
1===this.scopeStack[0].functions.indexOf(e.name)&&this.undefinedExports.set(e.name,e.start)}currentScope(){ret
urn this.scopeStack[this.scopeStack.length-1]}currentVarScope(){for(let e=this.scopeStack.length-1;;e--){const
t=this.scopeStack[e];if(259&t.flags)return t)}currentThisScope(){for(let e=this.scopeStack.length-1;;e--){const
t=this.scopeStack[e];if((259&t.flags||64&t.flags)&&!(4&t.flags))return t}}class Y extends
K{constructor(...e){super(...e),this.declareFunctions=[]}}class W extends q{createScope(e){return new
Y(e)}declareName(e,t,r){const n=this.currentScope();if(2048&t)return
this.checkRedeclarationInScope(n,e,t,r),this.maybeExportDefined(n,e),void
n.declareFunctions.push(e);super.declareName(...arguments)}isRedeclaredInScope(e,t,r){return!super.isRedeclared
InScope(...arguments)||!(2048&r)&&!(e.declareFunctions.includes(t)&&(e.lexical.includes(t)||e.functions.includes(t
)))}checkLocalExport(e){-
1===this.scopeStack[0].declareFunctions.indexOf(e.name)&&super.checkLocalExport(e)}const X=new
Set(["_","any","bool","boolean","empty","extends","false","interface","mixed","null","number","static","string","tru
e","typeof","void"]),J=g({AmbiguousConditionalArrow:"Ambiguous expression: wrap the arrow functions in
parentheses to disambiguate.",AmbiguousDeclareModuleKind:"Found both `declare module.exports` and `declare
export` in the same module. Modules can only have 1 since they are either an ES module or they are a CommonJS
module.",AssignReservedType:"Cannot overwrite reserved type %0.",DeclareClassElement:"The `declare` modifier
can only appear on class fields.",DeclareClassFieldInitializer:"Initializers are not allowed in fields with the `declare`
modifier.",DuplicateDeclareModuleExports:"Duplicate `declare module.exports`
statement.",EnumBooleanMemberNotInitialized:"Boolean enum members need to be initialized. Use either `%0 =
true,` or `%0 = false,` in enum `%1`.",EnumDuplicateMemberName:"Enum member names need to be unique, but
the name `%0` has already been used before in enum `%1`.",EnumInconsistentMemberValues:"Enum `%0` has
inconsistent member initializers. Either use no initializers, or consistently use literals (either booleans, numbers, or
strings) for all member initializers.",EnumInvalidExplicitType:"Enum type `%1` is not valid. Use one of `boolean`,
`number`, `string`, or `symbol` in enum `%0`.",EnumInvalidExplicitTypeUnknownSupplied:"Supplied enum type is
not valid. Use one of `boolean`, `number`, `string`, or `symbol` in enum
`%0`.",EnumInvalidMemberInitializerPrimaryType:"Enum `%0` has type `%2`, so the initializer of `%1` needs to
be a %2 literal.",EnumInvalidMemberInitializerSymbolType:"Symbol enum members cannot be initialized. Use
`%1,` in enum `%0`.",EnumInvalidMemberInitializerUnknownType:"The enum member initializer for `%1` needs
to be a literal (either a boolean, number, or string) in enum `%0`.",EnumInvalidMemberName:"Enum member
names cannot start with lowercase `a` through `z`. Instead of using `%0`, consider using `%1`, in enum
`%2`.",EnumNumberMemberNotInitialized:"Number enum members need to be initialized, e.g. `%1 = 1` in enum
`%0`.",EnumStringMemberInconsistentlyInitailized:"String enum members need to consistently either all use
initializers, or use no initializers, in enum `%0`.",GetterMayNotHaveThisParam:"A getter cannot have a `this`
parameter.",ImportTypeShorthandOnlyInPureImport:"The `type` and `typeof` keywords on named imports can only
be used on regular `import` statements. It cannot be used with `import type` or `import typeof`
statements.",InexactInsideExact:"Explicit inexact syntax cannot appear inside an explicit exact object
type.",InexactInsideNonObject:"Explicit inexact syntax cannot appear in class or interface
definitions.",InexactVariance:"Explicit inexact syntax cannot have
variance.",InvalidNonTypeImportInDeclareModule:"Imports within a `declare module` body must always be
`import type` or `import typeof`.",MissingTypeParamDefault:"Type parameter declaration needs a default, since a
preceding type parameter declaration has a default.",NestedDeclareModule:"`declare module` cannot be used inside
another `declare module`.",NestedFlowComment:"Cannot have a flow comment inside another flow
comment.",OptionalBindingPattern:"A binding pattern parameter cannot be optional in an implementation
signature.",SetterMayNotHaveThisParam:"A setter cannot have a `this` parameter.",SpreadVariance:"Spread
properties cannot have variance.",ThisParamAnnotationRequired:"A type annotation is required for the `this`

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parameter.",ThisParamBannedInConstructor:"Constructors cannot have a `this` parameter; constructors don't bind `this` like other functions.",ThisParamMayNotBeOptional:"The `this` parameter cannot be optional.",ThisParamMustBeFirst:"The `this` parameter must be the first function parameter.",ThisParamNoDefault:"The `this` parameter may not have a default value.",TypeBeforeInitializer:"Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`.",TypeCastInPattern:"The type cast expression is expected to be wrapped with parenthesis.",UnexpectedExplicitInexactInObject:"Explicit inexact syntax must appear at the end of an inexact object.",UnexpectedReservedType:"Unexpected reserved type %0.",UnexpectedReservedUnderscore:"`_` is only allowed as a type argument to call or new.",UnexpectedSpaceBetweenModuloChecks:"Spaces between `%` and `checks` are not allowed here.",UnexpectedSpreadType:"Spread operator cannot appear in class or interface definitions.",UnexpectedSubtractionOperand:"Unexpected token, expected \"number\" or \"bigint\".",UnexpectedTokenAfterTypeParameter:"Expected an arrow function after this type parameter declaration.",UnexpectedTypeParameterBeforeAsyncArrowFunction:"Type parameters must come after the async keyword, e.g. instead of ` async () => {}`, use `async <T> () => {}`.",UnsupportedDeclareExportKind:"`declare export %0` is not supported. Use `% 1` instead.",UnsupportedStatementInDeclareModule:"Only declares and type imports are allowed inside declare module.",UnterminatedFlowComment:"Unterminated flow-comment.`,y.SyntaxError);function H(e){return"type"===e.importKind||"typeof"===e.importKind}function G(e){return(e.type===o.name||!e.type.keyword)&&"from"!===e.value}const z={const:"declare export var",let:"declare export var",type:"export type",interface:"export interface"};const \$=\\|*?\\s*@((?:no)?flow)\\b;/const Q={quot:"\"\",amp:"&\",apos:"'\",lt:"<\",gt:">\",nbsp:" \",iexcl:"¡\",cent:"¢\",pound:"£\",curren:"¤\",yen:"¥\",brvbar:"¦\",sect:"§\",uml:"¨\",copy:"©\",ordf:"ª\",laquo:"«\",not:"¬\",shy:"­\",reg:"®\",macr:"¯\",deg:"°\",plusmn:"±\",sup2:"²\",sup3:"³\",acute:"´\",micro:"µ\",para:"¶\",middot:"·\",cedil:"¸\",sup1:"¹\",ordm:"ª\",raquo:"»\",frac14:"¼\",frac12:"½\",frac34:"¾\",quest:"¿\",Agrave:"À\",Aacute:"Á\",Acirc:"Â\",Atilde:"Ã\",Auml:"Ä\",Aring:"Å\",Aelig:"Æ\",Ccedil:"Ç\",Egrave:"È\",Eacute:"É\",Ecirc:"Ê\",Euml:"Ë\",Igrave:"Ì\",Iacute:"Í\",Icirc:"Î\",Iuml:"Ï\",ETH:"Ð\",Ntilde:"Ñ\",Ograve:"Ò\",Oacute:"Ó\",Ocirc:"Ô\",Otilde:"Õ\",Ouml:"Ö\",times:"×\",Oslash:"Ø\",Ugrave:"Ù\",Uacute:"Ú\",Ucirc:"Û\",Uuml:"Ü\",Yacute:"Ý\",THORN:"Þ\",szlig:"ß\",agrave:"à\",aacute:"á\",acirc:"â\",atilde:"ã\",auml:"ä\",aring:"å\",aelig:"æ\",ccedil:"ç\",egrave:"è\",eacute:"é\",ecirc:"ê\",euml:"ë\",igrave:"ì\",iacute:"í\",icirc:"î\",iuml:"ï\",eth:"ð\",ntilde:"ñ\",ograve:"ò\",oacute:"ó\",ocirc:"ô\",otilde:"õ\",ouml:"ö\",divide:"÷\",oslash:"ø\",ugrave:"ù\",uacute:"ú\",ucirc:"û\",uuml:"ü\",yacute:"ý\",thorn:"þ\",yuml:"ÿ\",OElig:"Œ\",oelig:"œ\",Scaron:"Š\",scaron:"š\",Yuml:"Ÿ\",fnof:"ƒ\",circ:"ˆ\",tilde:"˜\",Alpha:"\",Beta:"\",Gamma:"\",Delta:"\",Epsilon:"\",Zeta:"\",Eta:"\",Theta:"\",Iota:"\",Kappa:"\",Lambda:"\",Mu:"\",Nu:"\",Xi:"\",Omicron:"\",Pi:"\",Rho:"\",Sigma:"\",Tau:"\",Upsilon:"\",Phi:"\",Chi:"\",Psi:"\",Omega:"\",alpha:"\",beta:"\",gamma:"\",delta:"\",epsilon:"\",zeta:"\",eta:"\",theta:"\",iota:"\",kappa:"\",lambda:"\",mu:"\",nu:"\",xi:"\",omicron:"\",pi:"\",rho:"\",sigmaf:"\",sigma:"\",tau:"\",upsilon:"\",phi:"\",chi:"\",psi:"\",omega:"\",thetasym:"\",upsih:"\",piv:"\",ensp:"\",emsp:"\",thinsp:"\",zwj:"\",zwnj:"\",lrm:"\",rlm:"\",ndash:"–\",mdash:"—\",lsquo:"‘\",rsquo:'’\",sbquo:'‚\",ldquo:'“\",rdquo:'”\",bdquo:'„\",dagger:'†\",Dagger:'‡\",bull:'•\",hellip:'…\",permil:'‰\",prime:'′\",Prime:'″\",lsquo:'‹\",rsaquo:'›\",oline:'‾\",frasl:'⁄\",euro:'€\",image:'\",weierp:'\",real:'\",trade:'™\",alefsym:'\",larr:'\",uarr:'\",rarr:'\",darr:'\",harr:'\",crarr:'\",lArr:'\",uArr:'\",rArr:'\",dArr:'\",hArr:'\",forall:'\",part:'\",exist:'\",empty:'\",nabla:'\",isin:'\",notin:'\",ni:'\",prod:'\",sum:'\",minus:'\",lowast:'\",radic:'\",prop:'\",infin:'\",ang:'\",and:'\",or:'\",cap:'\",cup:'\",int:'\",there4:'\",sim:'\",cong:'\",asympt:'\",ne:'\",equiv:'\",le:'\",ge:'\",sub:'\",sup:'\",nsup:'\",sube:'\",supe:'\",oplus:'\",otimes:'\",perp:'\",sdot:'\",lceil:'\",rceil:'\",lfloor:'\",rfloor:'\",lang:'\",rang:'\",loz:'\",spades:'\",clubs:'\",hearts:'\",diams:'\",Z=^[\\da-fA-F]+\$/;ee=/^\\d+\$/;te=g({AttributeIsEmpty:"JSX attributes must only be assigned a non-empty expression.",MissingClosingTagElement:"Expected corresponding JSX closing tag for <%0>.",MissingClosingTagFragment:"Expected corresponding JSX closing tag for <>.",UnexpectedSequenceExpression:"Sequence expressions cannot be directly nested inside JSX. Did you mean to wrap it in parentheses (...)?",UnsupportedJsxValue:"JSX value should be either an expression or a quoted JSX text.",UnterminatedJsxContent:"Unterminated JSX contents.",UnwrappedAdjacentJSXElements:"Adjacent JSX elements must be wrapped in an enclosing tag. Did you want a JSX fragment <>...</>?",y.SyntaxError);function

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re(e){return!!e&&("JSXOpeningFragment"===e.type||"JSXClosingFragment"===e.type)}function
ne(e){if("JSXIdentifier"===e.type)return e.name;if("JSXNamespacedName"===e.type)return
e.namespace.name+"."+e.name.name;if("JSXMemberExpression"===e.type)return
ne(e.object)+ "."+ne(e.property);throw new Error("Node had unexpected type: "+e.type)}x.j_oTag=new
S("<tag",!1),x.j_cTag=new S("</tag",!1),x.j_expr=new S("<tag>...</tag>",!0,!0),o.jsxName=new
n("jsxName"),o.jsxText=new n("jsxText",{beforeExpr:!0}),o.jsxTagStart=new
n("jsxTagStart",{startsExpr:!0}),o.jsxTagEnd=new
n("jsxTagEnd"),o.jsxTagStart.updateContext=function(){this.state.context.push(x.j_expr),this.state.context.push(x.j
_oTag),this.state.exprAllowed=!1},o.jsxTagEnd.updateContext=function(e){const
t=this.state.context.pop(),t===x.j_oTag&&e===o.slash||t===x.j_cTag?(this.state.context.pop(),this.state.exprAllow
ed=this.curContext()===x.j_expr):this.state.exprAllowed=!0};class ie extends
K{constructor(...e){super(...e),this.types=[],this.enums=[],this.constEnums=[],this.classes=[],this.exportOnlyBindin
gs=[]}class se extends q{createScope(e){return new ie(e)}declareName(e,t,r){const
n=this.currentScope(),if(1024&t)return this.maybeExportDefined(n,e),void
n.exportOnlyBindings.push(e);super.declareName(...arguments),2&t&&(1&t||(this.checkRedeclarationInScope(n,e,t
,r),this.maybeExportDefined(n,e)),n.types.push(e)),256&t&&n.enums.push(e),512&t&&n.constEnums.push(e),128
&t&&n.classes.push(e)}isRedeclaredInScope(e,t,r){if(e.enums.indexOf(t)>-
1){if(256&r){return!!(512&r)!==e.constEnums.indexOf(t)>-1}return!0}return 128&r&&e.classes.indexOf(t)>-
1?e.lexical.indexOf(t)>-1&&!(1&r):!(2&r&&e.types.indexOf(t)>-
1)||super.isRedeclaredInScope(...arguments)}checkLocalExport(e){-
1===this.scopeStack[0].types.indexOf(e.name)&&-
1===this.scopeStack[0].exportOnlyBindings.indexOf(e.name)&&super.checkLocalExport(e)}class
ae{constructor(){this.stacks=[]}enter(e){this.stacks.push(e)}exit(){this.stacks.pop()}currentFlags(){return
this.stacks[this.stacks.length-1]}get hasAwait(){return(2&this.currentFlags())>0}get
hasYield(){return(1&this.currentFlags())>0}get hasReturn(){return(4&this.currentFlags())>0}get
hasIn(){return(8&this.currentFlags())>0}}function oe(e,t){return(e?2:0)|(t?1:0)}function le(e){if(null===e)throw new
Error("Unexpected ${e} value.");return e}function ce(e){if(!e)throw new Error("Assert fail")}const
pe=g({AbstractMethodHasImplementation:"Method '%0' cannot have an implementation because it is marked
abstract.",AccesorCannotDeclareThisParameter:"'\get' and '\set' accessors cannot declare '\this'
parameters.",AccesorCannotHaveTypeParameters:"An accessor cannot have type
parameters.",ClassMethodHasDeclare:"Class methods cannot have the '\declare'
modifier.",ClassMethodHasReadOnly:"Class methods cannot have the '\readonly'
modifier.",ConstructorHasTypeParameters:"Type parameters cannot appear on a constructor
declaration.",DeclareAccessor:"'\declare' is not allowed in %0ters.",DeclareClassFieldHasInitializer:"Initializers are
not allowed in ambient contexts.",DeclareFunctionHasImplementation:"An implementation cannot be declared in
ambient contexts.",DuplicateAccessibilityModifier:"Accessibility modifier already
seen.",DuplicateModifier:"Duplicate modifier: '%0'.".EmptyHeritageClauseType:"'%0' list cannot be
empty.",EmptyTypeArguments:"Type argument list cannot be empty.",EmptyTypeParameters:"Type parameter list
cannot be empty.",ExpectedAmbientAfterExportDeclare:"'\export declare' must be followed by an ambient
declaration.",ImportAliasHasImportType:"An import alias can not use '\import
type'.".IncompatibleModifiers:"'%0' modifier cannot be used with '%1'
modifier.",IndexSignatureHasAbstract:"Index signatures cannot have the '\abstract'
modifier.",IndexSignatureHasAccessibility:"Index signatures cannot have an accessibility modifier
('%0'.".IndexSignatureHasDeclare:"Index signatures cannot have the '\declare'
modifier.",IndexSignatureHasOverride:"'\override' modifier cannot appear on an index
signature.",IndexSignatureHasStatic:"Index signatures cannot have the '\static'
modifier.",InvalidModifierOnTypeMember:"'%0' modifier cannot appear on a type
member.",InvalidModifiersOrder:"'%0' modifier must precede '%1' modifier.",InvalidTupleMemberLabel:"Tuple

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members must be labeled with a simple identifier.",MixedLabeledAndUnlabeledElements:"Tuple members must all have names or all not have names.",NonAbstractClassHasAbstractMethod:"Abstract methods can only appear within an abstract class.",NonClassMethodPropertyHasAbstractModifier:"\`abstract\` modifier can only appear on a class, method, or property declaration.",OptionalTypeBeforeRequired:"A required element cannot follow an optional element.",OverrideNotInSubClass:"This member cannot have an \`override\` modifier because its containing class does not extend another class.",PatternIsOptional:"A binding pattern parameter cannot be optional in an implementation signature.",PrivateElementHasAbstract:"Private elements cannot have the \`abstract\` modifier.",PrivateElementHasAccessibility:"Private elements cannot have an accessibility modifier (%0).",ReadOnlyForMethodSignature:"\`readonly\` modifier can only appear on a property declaration or index signature.",SetAccesorCannotHaveOptionalParameter:"A \`set\` accessor cannot have an optional parameter.",SetAccesorCannotHaveRestParameter:"A \`set\` accessor cannot have rest parameter.",SetAccesorCannotHaveReturnType:"A \`set\` accessor cannot have a return type annotation.",StaticBlockCannotHaveModifier:"Static class blocks cannot have any modifier.",TypeAnnotationAfterAssign:"Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`.",TypeImportCannotSpecifyDefaultAndNamed:"A type-only import can specify a default import or named bindings, but not both.",UnexpectedParameterModifier:"A parameter property is only allowed in a constructor implementation.",UnexpectedReadOnly:"\`readonly\` type modifier is only permitted on array and tuple literal types.",UnexpectedTypeAnnotation:"Did not expect a type annotation here.",UnexpectedTypeCastInParameter:"Unexpected type cast in parameter position.",UnsupportedImportTypeArgument:"Argument in a type import must be a string literal.",UnsupportedParameterPropertyKind:"A parameter property may not be declared using a binding pattern.",UnsupportedSignatureParameterKind:"Name in a signature must be an Identifier, ObjectPattern or ArrayPattern, instead got %0.",y.SyntaxError);function ue(e){return"private"===e||"public"===e||"protected"===e}o.placeholder=new n("%%",{startsExpr:!0});const de=g({ClassNameIsRequired:"A class name is required."},y.SyntaxError);function he(e,t){return e.some(e=>Array.isArray(e)?e[0]===t:e===t)}function fe(e,t,r){const n=e.find(e=>Array.isArray(e)?e[0]===t:e===t);return n&&Array.isArray(n)?n[1][r]:null}const me=["minimal","smart","fsharp"],ye=["hash","bar"];const Te={estree:e=>class extends e{estreeParseRegExpLiteral({pattern:e,flags:t}){let r=null;try{r=new RegExp(e,t)}catch(e){}const n=this.estreeParseLiteral(r);return n.regex={pattern:e,flags:t},n}estreeParseBigIntLiteral(e){let t;try{t=BigInt(e)}catch(e){t=null}const r=this.estreeParseLiteral(t);return r.bigint=String(r.value|e),r}estreeParseDecimalLiteral(e){const t=this.estreeParseLiteral(null);return t.decimal=String(t.value|e),t}estreeParseLiteral(e){return this.parseLiteral(e,"Literal")}directiveToStmt(e){const t=e.value,r=this.startNodeAt(e.start,e.loc.start),n=this.startNodeAt(t.start,t.loc.start);return n.value=t.extra.expressionValue,n.raw=t.extra.raw,r.expression=this.finishNodeAt(n,"Literal",t.end,t.loc.end),r.directive=t.extra.raw.slice(1,-1),this.finishNodeAt(r,"ExpressionStatement",e.end,e.loc.end)}initFunction(e,t){super.initFunction(e,t),e.expression=!1}checkDeclaration(e){null!=e&&this.isObjectProperty(e)?this.checkDeclaration(e.value):super.checkDeclaration(e)}getObjectOrClassMethodParams(e){return e.value.params}isValidDirective(e){var t;return"ExpressionStatement"===e.type&&"Literal"===e.expression.type&&"string"===e.expression.value&&!(null!=(t=e.expression.extra)&&t.parenthesized)}stmtToDirective(e){const t=super.stmtToDirective(e),r=e.expression.value;return this.addExtra(t.value,"expressionValue",r),t}parseBlockBody(e,...t){super.parseBlockBody(e,...t);const r=e.directives.map(e=>this.directiveToStmt(e));e.body=r.concat(e.body),delete e.directives}pushClassMethod(e,t,r,n,i,s){this.parseMethod(t,r,n,i,s,"ClassMethod",!0),t.typeParameters&&(t.value.typeParameters=t.typeParameters,delete t.typeParameters),e.body.push(t)}parseExprAtom(e){switch(this.state.type){case o.num:case o.string:return this.estreeParseLiteral(this.state.value);case o.regexp:return this.estreeParseRegExpLiteral(this.state.value);case

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o.bigint:return this.estreeParseBigIntLiteral(this.state.value);case o.decimal:return
this.estreeParseDecimalLiteral(this.state.value);case o._null:return this.estreeParseLiteral(null);case o._true:return
this.estreeParseLiteral(!0);case o._false:return this.estreeParseLiteral(!1);default:return
super.parseExprAtom(e)} } parseMaybePrivateName(...e){ const
t=super.parseMaybePrivateName(...e);return "PrivateName"===t.type&&this.getPluginOption("estree","classFeatures")?this.convertPrivateNameToPrivateIdentifier(t):t} convertPrivateNameToPrivateIdentifier(e){ const
t=super.getPrivateNameSV(e);return delete(e=e).id,e.name=t,e.type="PrivateIdentifier",e}isPrivateName(e){ return
this.getPluginOption("estree","classFeatures")?"PrivateIdentifier"===e.type:super.isPrivateName(e)}getPrivateName
eSV(e){ return
this.getPluginOption("estree","classFeatures")?e.name:super.getPrivateNameSV(e)}parseLiteral(e,t,r,n){ const
i=super.parseLiteral(e,t,r,n);return i.raw=i.extra.raw,delete
i.extra,i}parseFunctionBody(e,t,r=!1){ super.parseFunctionBody(e,t,r),e.expression="BlockStatement"!==e.body.type
e}parseMethod(e,t,r,n,i,s,a=!1){ let o=this.startNode();return
o.kind=e.kind,o=super.parseMethod(o,t,r,n,i,s,a),o.type="FunctionExpression",delete
o.kind,e.value=o,"ClassPrivateMethod"===s&&(e.computed=!1),s="MethodDefinition",this.finishNode(e,s)}parse
ClassProperty(...e){ const t=super.parseClassProperty(...e);return
this.getPluginOption("estree","classFeatures")&&(t.type="PropertyDefinition"),t}parseClassPrivateProperty(...e){ co
nst t=super.parseClassPrivateProperty(...e);return
this.getPluginOption("estree","classFeatures")&&(t.type="PropertyDefinition",t.computed=!1),t}parseObjectMetho
d(e,t,r,n,i){ const s=super.parseObjectMethod(e,t,r,n,i);return
s&&(s.type="Property","method"===s.kind&&(s.kind="init"),s.shorthand=!1),s}parseObjectProperty(e,t,r,n,i){ cons
t s=super.parseObjectProperty(e,t,r,n,i);return s&&(s.kind="init",s.type="Property"),s}toAssignable(e,t=!1){ return
null!=e&&this.isObjectProperty(e)?(this.toAssignable(e.value,t),e):super.toAssignable(e,t)}toAssignableObjectExpr
essionProp(e,...t){ "get"===e.kind||"set"===e.kind?this.raise(e.key.start,T.PatternHasAccessor):e.method?this.raise(e
.key.start,T.PatternHasMethod):super.toAssignableObjectExpressionProp(e,...t)}finishCallExpression(e,t){ if(super.f
inishCallExpression(e,t),"Import"===e.callee.type){ var
r;if(e.type="ImportExpression",e.source=e.arguments[0],this.hasPlugin("importAssertions"))e.attributes=null!=(r=e
.arguments[1])?r:null;delete e.arguments,delete e.callee}return
e}toReferencedArguments(e){ "ImportExpression"!==e.type&&super.toReferencedArguments(e)}parseExport(e){ s
witch(super.parseExport(e),e.type){ case "ExportAllDeclaration":e.exported=null;break;case "ExportNamedDeclarati
on":1===e.specifiers.length&&"ExportNamespaceSpecifier"===e.specifiers[0].type&&(e.type="ExportAllDeclarati
on",e.exported=e.specifiers[0].exported,delete e.specifiers)}return e}parseSubscript(e,t,r,n,i){ const
s=super.parseSubscript(e,t,r,n,i);if(i.optionalChainMember){ if("OptionalMemberExpression"!==s.type&&"Optional
CallExpression"!==s.type||s.type=s.type.substring(8),i.stop){ const e=this.startNodeAtNode(s);return
e.expression=s,this.finishNode(e,"ChainExpression")} }else"MemberExpression"!==s.type&&"CallExpression"!==s
.type||s.optional=!1);return
s}hasPropertyAsPrivateName(e){ return "ChainExpression"===e.type&&(e=e.expression),super.hasPropertyAsPriva
teName(e)}isOptionalChain(e){ return "ChainExpression"===e.type}isObjectProperty(e){ return "Property"===e.type
&&"init"===e.kind&&!e.method}isObjectMethod(e){ return
e.method||"get"===e.kind||"set"===e.kind} } ,jsx:e=>class extends e{jsxReadToken(){let
e="",t=this.state.pos;for(;;){ if(this.state.pos>=this.length)throw
this.raise(this.state.start,te.UnterminatedJsxCContent);const r=this.input.charCodeAtAt(this.state.pos);switch(r){ case
60:case 123:return
this.state.pos===this.state.start?60===r&&this.state.exprAllowed?(++this.state.pos,this.finishToken(o.jsxTagStart))
:super.getTokenFromCode(r):(e+=this.input.slice(t,this.state.pos),this.finishToken(o.jsxText,e));case
38:e+=this.input.slice(t,this.state.pos),e+=this.jsxReadEntity(),t=this.state.pos;break;case 62:case
125:default:p(r)?(e+=this.input.slice(t,this.state.pos),e+=this.jsxReadNewLine(!0),t=this.state.pos):++this.state.pos}
}}jsxReadNewLine(e){ const t=this.input.charCodeAtAt(this.state.pos);let

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r;return++this.state.pos,13===t&&10===this.input.charCodeAtAt(this.state.pos)?(++this.state.pos,r=e?"\n":"\r\n"):r
=String.fromCharCode(t),++this.state.curLine,this.state.lineStart=this.state.pos,r}}jsxReadString(e){let
t="",r=++this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,T.UnterminatedString);const
n=this.input.charCodeAtAt(this.state.pos);if(n===e)break;38===n?(t+=this.input.slice(r,this.state.pos),t+=this.jsxRead
Entity(),r=this.state.pos):p(n)?(t+=this.input.slice(r,this.state.pos),t+=this.jsxReadNewLine(!1),r=this.state.pos):++th
is.state.pos}return t+=this.input.slice(r,this.state.pos++),this.finishToken(o.string,t)}jsxReadEntity(){let
e,t="",r=0,n=this.input[this.state.pos];const
i=++this.state.pos;for(;this.state.pos<this.length&&r++<10;){if(n=this.input[this.state.pos++],";"===n){="#"===t[0]?
"x"===t[1]?(t=t.substr(2),Z.test(t)&&(e=String.fromCharCode(parseInt(t,16))):(t=t.substr(1),ee.test(t)&&(e=String
.fromCharCode(parseInt(t,10)))):e=Q[t];break}t+=n}return e||(this.state.pos=i,"&")}jsxReadWord(){let e;const
t=this.state.pos;do{e=this.input.charCodeAtAt(++this.state.pos)}while(N(e)||45===e);return
this.finishToken(o.jsxName,this.input.slice(t,this.state.pos))}jsxParseIdentifier(){const e=this.startNode();return
this.match(o.jsxName)?e.name=this.state.value:this.state.type.keyword?e.name=this.state.type.keyword:this.unexpe
cted(),this.next(),this.finishNode(e,"JSXIdentifier")}jsxParseNamespacedName(){const
e=this.state.start,t=this.state.startLoc,r=this.jsxParseIdentifier();if(!this.eat(o.colon))return r;const
n=this.startNodeAt(e,t);return
n.namespace=r,n.name=this.jsxParseIdentifier(),this.finishNode(n,"JSXNamespacedName")}jsxParseElementName
(){const e=this.state.start,t=this.state.startLoc;let
r=this.jsxParseNamespacedName();if("JSXNamespacedName"===r.type)return r;for(;this.eat(o.dot);){const
n=this.startNodeAt(e,t);n.object=r,n.property=this.jsxParseIdentifier(),r=this.finishNode(n,"JSXMemberExpression"
)}return r}jsxParseAttributeValue(){let e;switch(this.state.type){case o.braceL:return
e=this.startNode(),this.next(),e=this.jsxParseExpressionContainer(e),"JSXEmptyExpression"===e.expression.type&
&this.raise(e.start,te.AttributeIsEmpty),e;case o.jsxTagStart:case o.string:return this.parseExprAtom();default:throw
this.raise(this.state.start,te.UnsupportedJsxValue)}jsxParseEmptyExpression(){const
e=this.startNodeAt(this.state.lastTokEnd,this.state.lastTokEndLoc);return
this.finishNodeAt(e,"JSXEmptyExpression",this.state.start,this.state.startLoc)}jsxParseSpreadChild(e){return
this.next(),e.expression=this.parseExpression(),this.expect(o.braceR),this.finishNode(e,"JSXSpreadChild")}jsxParse
ExpressionContainer(e){if(this.match(o.braceR))e.expression=this.jsxParseEmptyExpression();else{const
t=this.parseExpression();e.expression=t}return
this.expect(o.braceR),this.finishNode(e,"JSXExpressionContainer")}jsxParseAttribute(){const
e=this.startNode();return
this.eat(o.braceL)?(this.expect(o.ellipsis),e.argument=this.parseMaybeAssignAllowIn(),this.expect(o.braceR),this.fi
nishNode(e,"JSXSpreadAttribute")):(e.name=this.jsxParseNamespacedName(),e.value=this.eat(o.eq)?this.jsxParseA
ttributeValue():null,this.finishNode(e,"JSXAttribute"))}jsxParseOpeningElementAt(e,t){const
r=this.startNodeAt(e,t);return
this.match(o.jsxTagEnd)?(this.expect(o.jsxTagEnd),this.finishNode(r,"JSXOpeningFragment")):(r.name=this.jsxPar
seElementName(),this.jsxParseOpeningElementAfterName(r))}jsxParseOpeningElementAfterName(e){const
t=[];for(;!this.match(o.slash)&&!this.match(o.jsxTagEnd);)t.push(this.jsxParseAttribute());return
e.attributes=t,e.selfClosing=this.eat(o.slash),this.expect(o.jsxTagEnd),this.finishNode(e,"JSXOpeningElement")}jsx
ParseClosingElementAt(e,t){const r=this.startNodeAt(e,t);return
this.match(o.jsxTagEnd)?(this.expect(o.jsxTagEnd),this.finishNode(r,"JSXClosingFragment")):(r.name=this.jsxPar
seElementName(),this.expect(o.jsxTagEnd),this.finishNode(r,"JSXClosingElement"))}jsxParseElementAt(e,t){const
r=this.startNodeAt(e,t),n=[],i=this.jsxParseOpeningElementAt(e,t);let
s=null;if(!i.selfClosing){e:for(;;)switch(this.state.type){case
o.jsxTagStart:if(e=this.state.start,t=this.state.startLoc,this.next(),this.eat(o.slash)){s=this.jsxParseClosingElementAt
(e,t);break e}n.push(this.jsxParseElementAt(e,t));break;case o.jsxText:n.push(this.parseExprAtom());break;case
o.braceL:{const

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e=this.startNode();this.next(),this.match(o.ellipsis)?n.push(this.jsxParseSpreadChild(e)):n.push(this.jsxParseExpressionContainer(e));break } default:throw
this.unexpected() }re(i)&&!re(s)?this.raise(s.start,te.MissingClosingTagFragment):!re(i)&&re(s)?this.raise(s.start,te.MissingClosingTagElement,ne(i.name)):re(i)||re(s)||ne(s.name)!==ne(i.name)&&this.raise(s.start,te.MissingClosingTagElement,ne(i.name))}if(re(i)?(r.openingFragment=i,r.closingFragment=s):(r.openingElement=i,r.closingElement=s),r.children=n,this.isRelational("<"))throw this.raise(this.state.start,te.UnwrappedAdjacentJSXElements);return
re(i)?this.finishNode(r,"JSXFragment"):this.finishNode(r,"JSXElement")}jsxParseElement(){const
e=this.state.start,t=this.state.startLoc;return this.next(),this.jsxParseElementAt(e,t)}parseExprAtom(e){return
this.match(o.jsxText)?this.parseLiteral(this.state.value,"JSXText"):this.match(o.jsxTagStart)?this.jsxParseElement():this.isRelational("<")&&33!==(this.input.charCodeAtAt(this.state.pos)?(this.finishToken(o.jsxTagStart),this.jsxParseElement()):super.parseExprAtom(e))getTokenFromCode(e){if(this.state.inPropertyName)return
super.getTokenFromCode(e);const t=this.curContext();if(t===x.j_expr)return
this.jsxReadToken();if(t===x.j_oTag||t===x.j_cTag){if(C(e))return
this.jsxReadWord();if(62===e)return++this.state.pos,this.finishToken(o.jsxTagEnd);if((34===e||39===e)&&t===x.j_oTag)return this.jsxReadString(e)}return
60===e&&this.state.exprAllowed&&33!==(this.input.charCodeAtAt(this.state.pos+1)?(++this.state.pos,this.finishToken(o.jsxTagStart)):super.getTokenFromCode(e))updateContext(e){if(this.match(o.braceL)){const
t=this.curContext();t===x.j_oTag?this.state.context.push(x.braceExpression):t===x.j_expr?this.state.context.push(x.templateQuasi):super.updateContext(e),this.state.exprAllowed=!0}else{if(!this.match(o.slash)||e!==o.jsxTagStart)return
super.updateContext(e);this.state.context.length-
=2,this.state.context.push(x.j_cTag),this.state.exprAllowed=!1}}},flow:e=>class extends
e{constructor(...e){super(...e),this.flowPragma=void 0}getScopeHandler(){return W}shouldParseTypes(){return
this.getPluginOption("flow","all")||"flow"===this.flowPragma}shouldParseEnums(){return!!this.getPluginOption("flow","enums")}finishToken(e,t){return e!==o.string&&e!==o.semi&&e!==o.interpreterDirective&&void
0===this.flowPragma&&(this.flowPragma=null),super.finishToken(e,t)}addComment(e){if(void
0===this.flowPragma){const
t=$.exec(e.value);if(t)if("flow"===t[1])this.flowPragma="flow";else{if("noflow"!==t[1])throw new
Error("Unexpected flow pragma");this.flowPragma="noflow"}else;}return
super.addComment(e)}flowParseTypeInitialiser(e){const
t=this.state.inType;this.state.inType=!0,this.expect(e||o.colon);const r=this.flowParseType();return
this.state.inType=t,r}flowParsePredicate(){const e=this.startNode(),t=this.state.start;return
this.next(),this.expectContextual("checks"),this.state.lastTokStart>t+1&&this.raise(t,J.UnexpectedSpaceBetweenModuloChecks),this.eat(o.parenL)?(e.value=this.parseExpression(),this.expect(o.parenR),this.finishNode(e,"DeclaredPredicate")):this.finishNode(e,"InferredPredicate")}flowParseTypeAndPredicateInitialiser(){const
e=this.state.inType;this.state.inType=!0,this.expect(o.colon);let t=null,r=null;return
this.match(o.modulo)?(this.state.inType=e,r=this.flowParsePredicate()):(t=this.flowParseType(),this.state.inType=e,
this.match(o.modulo)&&(r=this.flowParsePredicate()),[t,r]}flowParseDeclareClass(e){return
this.next(),this.flowParseInterfaceish(e,!0),this.finishNode(e,"DeclareClass")}flowParseDeclareFunction(e){this.next();const
t=e.id=this.parseIdentifier(),r=this.startNode(),n=this.startNode();this.isRelational("<")?r.typeParameters=this.flowParseTypeParameterDeclaration():r.typeParameters=null,this.expect(o.parenL);const
i=this.flowParseFunctionTypeParams();return
r.params=i.params,r.rest=i.rest,r.this=i._this,this.expect(o.parenR),[r.returnType,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),n.typeAnnotation=this.finishNode(r,"FunctionTypeAnnotation"),t.typeAnnotation=this.finishNode(n,"TypeAnnotation"),this.resetEndLocation(t),this.semicolon(),this.scope.declareName(e.id.name,2048,e.id.start),this.finishNode(e,"DeclareFunction")}flowParseDeclare(e,t){if(this.match(o._class))return
this.flowParseDeclareClass(e);if(this.match(o._function))return
this.flowParseDeclareFunction(e);if(this.match(o._var))return

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this.flowParseDeclareVariable(e);if(this.eatContextual("module"))return
this.match(o.dot)?this.flowParseDeclareModuleExports(e):(t&&this.raise(this.state.lastTokStart,J.NestedDeclareMo
module),this.flowParseDeclareModule(e));if(this.isContextual("type"))return
this.flowParseDeclareTypeAlias(e);if(this.isContextual("opaque"))return
this.flowParseDeclareOpaqueType(e);if(this.isContextual("interface"))return
this.flowParseDeclareInterface(e);if(this.match(o._export))return this.flowParseDeclareExportDeclaration(e,t);throw
this.unexpected()}flowParseDeclareVariable(e){return
this.next(),e.id=this.flowParseTypeAnnotatableIdentifier(!0),this.scope.declareName(e.id.name,5,e.id.start),this.sem
icolon(),this.finishNode(e,"DeclareVariable")}flowParseDeclareModule(e){this.scope.enter(0),this.match(o.string)?
e.id=this.parseExprAtom():e.id=this.parseIdentifier();const
t=e.body=this.startNode(),r=t.body=[];for(this.expect(o.braceL);!this.match(o.braceR);){let
e=this.startNode();this.match(o._import)?(this.next(),this.isContextual("type")||this.match(o._typeof)||this.raise(this.s
tate.lastTokStart,J.InvalidNonTypeImportInDeclareModule),this.parseImport(e)):(this.expectContextual("declare",J.
UnsupportedStatementInDeclareModule),e=this.flowParseDeclare(e,!0)),r.push(e)}this.scope.exit(),this.expect(o.bra
ceR),this.finishNode(t,"BlockStatement");let n=null,i=!1;return
r.forEach(e=>{!function(e){return"DeclareExportAllDeclaration"===e.type||"DeclareExportDeclaration"===e.type
&&(!e.declaration||"TypeAlias"!==e.declaration.type&&"InterfaceDeclaration"!==e.declaration.type)}(e)?"Declare
ModuleExports"===e.type&&(i&&this.raise(e.start,J.DuplicateDeclareModuleExports),"ES"===n&&this.raise(e.st
art,J.AmbiguousDeclareModuleKind),n="CommonJS",i=!0):("CommonJS"===n&&this.raise(e.start,J.AmbiguousD
eclareModuleKind),n="ES")),e.kind=n||"CommonJS",this.finishNode(e,"DeclareModule")}flowParseDeclareExpor
tDeclaration(e,t){if(this.expect(o._export),this.eat(o._default))return
this.match(o._function)||this.match(o._class)?e.declaration=this.flowParseDeclare(this.startNode()):e.declaration=th
is.flowParseType(),this.semicolon(),e.default=!0,this.finishNode(e,"DeclareExportDeclaration");if(this.match(o._co
nstant)||this.isLet())(this.isContextual("type")||this.isContextual("interface"))&&!t){const
e=this.state.value,t=z[e];throw
this.raise(this.state.start,J.UnsupportedDeclareExportKind,e,t)}if(this.match(o._var)||this.match(o._function)||this.ma
tch(o._class)||this.isContextual("opaque"))return
e.declaration=this.flowParseDeclare(this.startNode()),e.default=!1,this.finishNode(e,"DeclareExportDeclaration");if
(this.match(o.star)||this.match(o.braceL)||this.isContextual("interface")||this.isContextual("type")||this.isContextual("
opaque"))return"ExportNamedDeclaration"===e&&(e=this.parseExport(e)).type&&(e.type="ExportDeclaration",e.defau
lt=!1,delete e.exportKind),e.type="Declare"+e.type,e;throw
this.unexpected()}flowParseDeclareModuleExports(e){return
this.next(),this.expectContextual("exports"),e.typeAnnotation=this.flowParseTypeAnnotation(),this.semicolon(),this.
finishNode(e,"DeclareModuleExports")}flowParseDeclareTypeAlias(e){return
this.next(),this.flowParseTypeAlias(e),e.type="DeclareTypeAlias",e}flowParseDeclareOpaqueType(e){return
this.next(),this.flowParseOpaqueType(e,!0),e.type="DeclareOpaqueType",e}flowParseDeclareInterface(e){return
this.next(),this.flowParseInterfaceish(e),this.finishNode(e,"DeclareInterface")}flowParseInterfaceish(e,t=!1){if(e.id=
this.flowParseRestrictedIdentifier(!t,!0),this.scope.declareName(e.id.name,t?17:9,e.id.start),this.isRelational("<")?e.t
ypeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.extends=[],e.implements=[],e.m
ixins=[],this.eat(o._extends))do{e.extends.push(this.flowParseInterfaceExtends())}while(!t&&this.eat(o.comma));if(
this.isContextual("mixins")){this.next();do{e.mixins.push(this.flowParseInterfaceExtends())}while(this.eat(o.comm
a))}if(this.isContextual("implements")){this.next();do{e.implements.push(this.flowParseInterfaceExtends())}while(t
his.eat(o.comma))}e.body=this.flowParseObjectType({allowStatic:t,allowExact:!1,allowSpread:!1,allowProto:t,allo
wInexact:!1})}flowParseInterfaceExtends(){const e=this.startNode();return
e.id=this.flowParseQualifiedTypeIdentifier(),this.isRelational("<")?e.typeParameters=this.flowParseTypeParameterI
nstantiation():e.typeParameters=null,this.finishNode(e,"InterfaceExtends")}flowParseInterface(e){return
this.flowParseInterfaceish(e),this.finishNode(e,"InterfaceDeclaration")}checkNotUnderscore(e){"_ "===e&&this.rai
se(this.state.start,J.UnexpectedReservedUnderscore)}checkReservedType(e,t,r){X.has(e)&&this.raise(t,r?J.AssignR

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reservedType:J.UnexpectedReservedType,e)}flowParseRestrictedIdentifier(e,t){return
this.checkReservedType(this.state.value,this.state.start,t),this.parseIdentifier(e)}flowParseTypeAlias(e){return
e.id=this.flowParseRestrictedIdentifier(!1,!0),this.scope.declareName(e.id.name,9,e.id.start),this.isRelational("<")?e.
typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.right=this.flowParseTypeInitial
iser(o.eq),this.semicolon(),this.finishNode(e,"TypeAlias")}flowParseOpaqueType(e,t){return
this.expectContextual("type"),e.id=this.flowParseRestrictedIdentifier(!0,!0),this.scope.declareName(e.id.name,9,e.id
.start),this.isRelational("<")?e.typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.s
upertype=null,this.match(o.colon)&&(e.supertype=this.flowParseTypeInitialiser(o.colon)),e.impltype=null,t|(e.impl
type=this.flowParseTypeInitialiser(o.eq)),this.semicolon(),this.finishNode(e,"OpaqueType")}flowParseTypeParame
ter(e=!1){const
t=this.state.start,r=this.startNode(),n=this.flowParseVariance(),i=this.flowParseTypeAnnotatableIdentifier();return
r.name=i.name,r.variance=n,r.bound=i.typeAnnotation,this.match(o.eq)?(this.eat(o.eq),r.default=this.flowParseType
()):e&&this.raise(t,J.MissingTypeParamDefault),this.finishNode(r,"TypeParameter")}flowParseTypeParameterDecl
ARATION(){const
e=this.state.inType,t=this.startNode();t.params=[],this.state.inType=!0,this.isRelational("<")||this.match(o.jsxTagSta
rt)?this.next():this.unexpected();let r=!1;do{const
e=this.flowParseTypeParameter(r);t.params.push(e),e.default&&(r=!0),this.isRelational(">")||this.expect(o.comma)}
while(!this.isRelational(">"));return
this.expectRelational(">"),this.state.inType=e,this.finishNode(t,"TypeParameterDeclaration")}flowParseTypeParam
eterInstantiation(){const
e=this.startNode(),t=this.state.inType;e.params=[],this.state.inType=!0,this.expectRelational("<");const
r=this.state.noAnonFunctionType;for(this.state.noAnonFunctionType=!1;!this.isRelational(">");)e.params.push(this.
flowParseType()),this.isRelational(">")||this.expect(o.comma);return
this.state.noAnonFunctionType=r,this.expectRelational(">"),this.state.inType=t,this.finishNode(e,"TypeParameterIn
stantiation")}flowParseTypeParameterInstantiationCallOrNew(){const
e=this.startNode(),t=this.state.inType;for(e.params=[],this.state.inType=!0,this.expectRelational("<");!this.isRelatio
nal(">");)e.params.push(this.flowParseTypeOrImplicitInstantiation()),this.isRelational(">")||this.expect(o.comma);re
turn
this.expectRelational(">"),this.state.inType=t,this.finishNode(e,"TypeParameterInstantiation")}flowParseInterfaceT
ype(){const
e=this.startNode();if(this.expectContextual("interface"),e.extends=[],this.eat(o._extends))do{e.extends.push(this.flo
wParseInterfaceExtends())}while(this.eat(o.comma));return
e.body=this.flowParseObjectType({allowStatic:!1,allowExact:!1,allowSpread:!1,allowProto:!1,allowInexact:!1}),thi
s.finishNode(e,"InterfaceTypeAnnotation")}flowParseObjectPropertyKey(){return
this.match(o.num)||this.match(o.string)?this.parseExprAtom():this.parseIdentifier(!0)}flowParseObjectTypeIndexer(
e,t,r){return
e.static=t,this.lookahead().type===o.colon?(e.id=this.flowParseObjectPropertyKey(),e.key=this.flowParseTypeInitia
liser()):e.id=null,e.key=this.flowParseType(),this.expect(o.bracketR),e.value=this.flowParseTypeInitialiser(),e.vari
ance=r,this.finishNode(e,"ObjectTypeIndexer")}flowParseObjectTypeInternalSlot(e,t){return
e.static=t,e.id=this.flowParseObjectPropertyKey(),this.expect(o.bracketR),this.expect(o.bracketR),this.isRelational(
"<")||this.match(o.parenL)?(e.method=!0,e.optional=!1,e.value=this.flowParseObjectTypeMethodish(this.startNodeA
t(e.start,e.loc.start)):(e.method=!1,this.eat(o.question)&&(e.optional=!0),e.value=this.flowParseTypeInitialiser()),th
is.finishNode(e,"ObjectTypeInternalSlot")}flowParseObjectTypeMethodish(e){for(e.params=[],e.rest=null,e.typePa
rameters=null,e.this=null,this.isRelational("<")&&(e.typeParameters=this.flowParseTypeParameterDeclaration()),th
is.expect(o.parenL),this.match(o._this)&&(e.this=this.flowParseFunctionTypeParam(!0),e.this.name=null,this.match
(o.parenR)||this.expect(o.comma));!this.match(o.parenR)&&!this.match(o.ellipsis);)e.params.push(this.flowParseFu
nctionTypeParam(!1)),this.match(o.parenR)||this.expect(o.comma);return
this.eat(o.ellipsis)&&(e.rest=this.flowParseFunctionTypeParam(!1)),this.expect(o.parenR),e.returnType=this.flowPa

```



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rseTypeInitialiser(),this.finishNode(e,"FunctionTypeAnnotation")}flowParseObjectTypeCallProperty(e,t){const
r=this.startNode();return
e.static=t,e.value=this.flowParseObjectTypeMethodish(r),this.finishNode(e,"ObjectTypeCallProperty")}flowParseO
bjectType({allowStatic:e,allowExact:t,allowSpread:r,allowProto:n,allowInexact:i}){const
s=this.state.inType;this.state.inType=!0;const a=this.startNode();let
l,c;a.callProperties=[],a.properties=[],a.indexers=[],a.internalSlots=[];let
p=!1;for(t&&this.match(o.braceBarL)?(this.expect(o.braceBarL),l=o.braceBarR,c=!0):(this.expect(o.braceL),l=o.bra
ceR,c=!1),a.exact=c;!this.match(l));{let t=!1,s=null,l=null;const
u=this.startNode();if(n&&this.isContextual("proto")){const
t=this.lookahead();t.type!==o.colon&&t.type!==o.question&&(this.next(),s=this.state.start,e=!1)}if(e&&this.isCont
extual("static")){const e=this.lookahead();e.type!==o.colon&&e.type!==o.question&&(this.next(),t=!0)}const
d=this.flowParseVariance();if(this.eat(o.bracketL))null!=s&&this.unexpected(s),this.eat(o.bracketL)?(d&&this.unex
pected(d.start),a.internalSlots.push(this.flowParseObjectTypeInternalSlot(u,t)):a.indexers.push(this.flowParseObjec
tTypeIndexer(u,t,d));else
if(this.match(o.parenL)||this.isRelational("<"))null!=s&&this.unexpected(s),d&&this.unexpected(d.start),a.callPrope
rties.push(this.flowParseObjectTypeCallProperty(u,t));else{let
e="init";if(this.isContextual("get")||this.isContextual("set")){const
t=this.lookahead();t.type!==o.name&&t.type!==o.string&&t.type!==o.num||(e=this.state.value,this.next())}const
n=this.flowParseObjectTypeProperty(u,t,s,d,e,r,null!=i?!:!c);null===n?(p=!0,l=this.state.lastTokStart):a.properties.p
ush(n)}this.flowObjectTypeSemicolon(),!||this.match(o.braceR)||this.match(o.braceBarR)||this.raise(l,J.Unexpected
ExplicitInexactInObject)}this.expect(l),r&&(a.inexact=p);const
u=this.finishNode(a,"ObjectTypeAnnotation");return
this.state.inType=s,u}flowParseObjectTypeProperty(e,t,r,n,i,s,a){if(this.eat(o.ellipsis)){return
this.match(o.comma)||this.match(o.semi)||this.match(o.braceR)||this.match(o.braceBarR)?(s?a||this.raise(this.state.las
tTokStart,J.InexactInsideExact):this.raise(this.state.lastTokStart,J.InexactInsideNonObject),n&&this.raise(n.start,J.I
nexactVariance),null):(s||this.raise(this.state.lastTokStart,J.UnexpectedSpreadType),null!=r&&this.unexpected(r),n
&&this.raise(n.start,J.SpreadVariance),e.argument=this.flowParseType(),this.finishNode(e,"ObjectTypeSpreadProp
erty"))){e.key=this.flowParseObjectPropertyKey(),e.static=t,e.proto=null!=r,e.kind=i;let a=!1;return
this.isRelational("<")||this.match(o.parenL)?(e.method=!0,null!=r&&this.unexpected(r),n&&this.unexpected(n.start)
,e.value=this.flowParseObjectTypeMethodish(this.startNodeAt(e.start,e.loc.start)),"get"!=i&&"set"!=i||this.flowC
heckGetterSetterParams(e,!s&&"constructor"===e.key.name&&e.value.this&&this.raise(e.value.this.start,J.ThisPa
ramBannedInConstructor)):"init"!=i&&this.unexpected(),e.method=!1,this.eat(o.question)&&(a=!0),e.value=this.
flowParseTypeInitialiser(),e.variance=n,e.optional=a,this.finishNode(e,"ObjectTypeProperty")}}flowCheckGetterS
etterParams(e){const
t="get"===e.kind?0:1,r=e.start,n=e.value.params.length+(e.value.rest?1:0);e.value.this&&this.raise(e.value.this.start
,"get"===e.kind?J.GetterMayNotHaveThisParam:J.SetterMayNotHaveThisParam),n!=t&&("get"===e.kind?this.ra
ise(r,T.BadGetterArity):this.raise(r,T.BadSetterArity)),"set"===e.kind&&e.value.rest&&this.raise(r,T.BadSetterRes
tParameter)}flowObjectTypeSemicolon(){this.eat(o.semi)||this.eat(o.comma)||this.match(o.braceR)||this.match(o.bra
ceBarR)||this.unexpected()}flowParseQualifiedTypeIdentifier(e,t,r){e=e||this.state.start,t=t||this.state.startLoc;let
n=r||this.flowParseRestrictedIdentifier(!0);for(;this.eat(o.dot);){const
r=this.startNodeAt(e,t);r.qualification=n,r.id=this.flowParseRestrictedIdentifier(!0),n=this.finishNode(r,"QualifiedT
ypeIdentifier")}return n}flowParseGenericType(e,t,r){const n=this.startNodeAt(e,t);return
n.typeParameters=null,n.id=this.flowParseQualifiedTypeIdentifier(e,t,r),this.isRelational("<")&&(n.typeParameters
=this.flowParseTypeParameterInstantiation()),this.finishNode(n,"GenericTypeAnnotation")}flowParseTypeofType()
{const e=this.startNode();return
this.expect(o._typeof),e.argument=this.flowParsePrimaryType(),this.finishNode(e,"TypeofTypeAnnotation")}flowP
arseTupleType(){const
e=this.startNode();for(e.types=[],this.expect(o.bracketL);this.state.pos<this.length&&!this.match(o.bracketR)&&(e.t

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ypes.push(this.flowParseType()),!this.match(o.bracketR));this.expect(o.comma);return
this.expect(o.bracketR),this.finishNode(e,"TupleTypeAnnotation")}flowParseFunctionTypeParam(e){let
t=null,r=!1,n=null;const i=this.startNode(),s=this.lookahead(),a=this.state.type===o._this;return
s.type===o.colon||s.type===o.question?(a&&!e&&this.raise(i.start,J.ThisParamMustBeFirst),t=this.parseIdentifier(
a),this.eat(o.question)&&(r=!0,a&&this.raise(i.start,J.ThisParamMayNotBeOptional)),n=this.flowParseTypeInitialis
er():n=this.flowParseType(),i.name=t,i.optional=r,i.typeAnnotation=n,this.finishNode(i,"FunctionTypeParam")}rei
nterpretTypeAsFunctionTypeParam(e){const t=this.startNodeAt(e.start,e.loc.start);return
t.name=null,t.optional=!1,t.typeAnnotation=e,this.finishNode(t,"FunctionTypeParam")}flowParseFunctionTypePara
ms(e=[]){let
t=null,r=null;for(this.match(o._this)&&(r=this.flowParseFunctionTypeParam(!0),r.name=null,this.match(o.parenR)||
this.expect(o.comma));!this.match(o.parenR)&&!this.match(o.ellipsis);e.push(this.flowParseFunctionTypeParam(!
1)),this.match(o.parenR)||this.expect(o.comma);return
this.eat(o.ellipsis)&&(t=this.flowParseFunctionTypeParam(!1)),{params:e,rest:t,_this:r}}flowIdentToTypeAnnotati
on(e,t,r,n){switch(n.name){case"any":return
this.finishNode(r,"AnyTypeAnnotation");case"bool":case"boolean":return
this.finishNode(r,"BooleanTypeAnnotation");case"mixed":return
this.finishNode(r,"MixedTypeAnnotation");case"empty":return
this.finishNode(r,"EmptyTypeAnnotation");case"number":return
this.finishNode(r,"NumberTypeAnnotation");case"string":return
this.finishNode(r,"StringTypeAnnotation");case"symbol":return
this.finishNode(r,"SymbolTypeAnnotation");default:return
this.checkNotUnderscore(n.name),this.flowParseGenericType(e,t,n)}flowParsePrimaryType(){const
e=this.state.start,t=this.state.startLoc,r=this.startNode();let n,i,s=!1;const
a=this.state.noAnonFunctionType;switch(this.state.type){case o.name:return
this.isContextual("interface")?this.flowParseInterfaceType():this.flowIdentToTypeAnnotation(e,t,r,this.parseIdentifi
er());case o.braceL:return
this.flowParseObjectType({allowStatic:!1,allowExact:!1,allowSpread:!0,allowProto:!1,allowInexact:!0});case
o.braceBarL:return
this.flowParseObjectType({allowStatic:!1,allowExact:!0,allowSpread:!0,allowProto:!1,allowInexact:!1});case
o.bracketL:return
this.state.noAnonFunctionType=!1,i=this.flowParseTupleType(),this.state.noAnonFunctionType=a,i;case
o.relational;if("<"===this.state.value)return
r.typeParameters=this.flowParseTypeParameterDeclaration(),this.expect(o.parenL),n=this.flowParseFunctionTypeP
arams(),r.params=n.params,r.rest=n.rest,r.this=n._this,this.expect(o.parenR),this.expect(o.arrow),r.returnType=this.f
lowParseType(),this.finishNode(r,"FunctionTypeAnnotation");break;case
o.parenL;if(this.next(),!this.match(o.parenR)&&!this.match(o.ellipsis))if(this.match(o.name)||this.match(o._this)){c
onst e=this.lookahead().type;s=e===o.question&&e!==o.colon}else
s=!0;if(s){if(this.state.noAnonFunctionType=!1,i=this.flowParseType(),this.state.noAnonFunctionType=a,this.state.
noAnonFunctionType||!(this.match(o.comma)||this.match(o.parenR)&&this.lookahead().type===o.arrow))return
this.expect(o.parenR),i;this.eat(o.comma)}return
n=i?this.flowParseFunctionTypeParams([this.reinterpretTypeAsFunctionTypeParam(i)]:this.flowParseFunctionTypeP
eParams(),r.params=n.params,r.rest=n.rest,r.this=n._this,this.expect(o.parenR),this.expect(o.arrow),r.returnType=thi
s.flowParseType(),r.typeParameters=null,this.finishNode(r,"FunctionTypeAnnotation");case o.string:return
this.parseLiteral(this.state.value,"StringLiteralTypeAnnotation");case o._true:case o._false:return
r.value=this.match(o._true),this.next(),this.finishNode(r,"BooleanLiteralTypeAnnotation");case o.plusMin;if("-
"===this.state.value){if(this.next(),this.match(o.num))return this.parseLiteral(-
this.state.value,"NumberLiteralTypeAnnotation",r.start,r.loc.start);if(this.match(o.bigint))return this.parseLiteral(-
this.state.value,"BigIntLiteralTypeAnnotation",r.start,r.loc.start);throw

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this.raise(this.state.start,J.UnexpectedSubtractionOperand)}throw this.unexpected();case o.num:return
this.parseLiteral(this.state.value,"NumberLiteralTypeAnnotation");case o.bigint:return
this.parseLiteral(this.state.value,"BigIntLiteralTypeAnnotation");case o._void:return
this.next(),this.finishNode(r,"VoidTypeAnnotation");case o._null:return
this.next(),this.finishNode(r,"NullLiteralTypeAnnotation");case o._this:return
this.next(),this.finishNode(r,"ThisTypeAnnotation");case o.star:return
this.next(),this.finishNode(r,"ExistsTypeAnnotation");default:if("typeof"===this.state.type.keyword)return
this.flowParseTypeofType();if(this.state.type.keyword){const e=this.state.type.label;return
this.next(),super.createIdentifier(r,e)}throw this.unexpected()}flowParsePostfixType(){const
e=this.state.start,t=this.state.startLoc;let
r=this.flowParsePrimaryType(),n=!1;for(:(this.match(o.bracketL)||this.match(o.questionDot))&&!this.canInsertSemi
colon());{const
i=this.startNodeAt(e,t),s=this.eat(o.questionDot);n=n||s,this.expect(o.bracketL),!s&&this.match(o.bracketR)?(i.elem
entType=r,this.next(),r=this.finishNode(i,"ArrayTypeAnnotation")):(i.objectType=r,i.indexType=this.flowParseTyp
e(),this.expect(o.bracketR),n?(i.optional=s,r=this.finishNode(i,"OptionalIndexedAccessType")):r=this.finishNode(i,"
IndexedAccessType"))return r}flowParsePrefixType(){const e=this.startNode();return
this.eat(o.question)?(e.typeAnnotation=this.flowParsePrefixType(),this.finishNode(e,"NullableTypeAnnotation")):th
is.flowParsePostfixType()}flowParseAnonFunctionWithoutParens(){const
e=this.flowParsePrefixType();if(!this.state.noAnonFunctionType&&this.eat(o.arrow)){const
t=this.startNodeAt(e.start,e.loc.start);return
t.params=[this.reinterpretTypeAsFunctionTypeParam(e)],t.rest=null,t.this=null,t.returnType=this.flowParseType(),t
.typeParameters=null,this.finishNode(t,"FunctionTypeAnnotation")}return e}flowParseIntersectionType(){const
e=this.startNode();this.eat(o.bitwiseAND);const
t=this.flowParseAnonFunctionWithoutParens();for(e.types=[t];this.eat(o.bitwiseAND);)e.types.push(this.flowParse
AnonFunctionWithoutParens());return
1===e.types.length?t:this.finishNode(e,"IntersectionTypeAnnotation")}flowParseUnionType(){const
e=this.startNode();this.eat(o.bitwiseOR);const
t=this.flowParseIntersectionType();for(e.types=[t];this.eat(o.bitwiseOR);)e.types.push(this.flowParseIntersectionTy
pe());return 1===e.types.length?t:this.finishNode(e,"UnionTypeAnnotation")}flowParseType(){const
e=this.state.inType;this.state.inType=!0;const t=this.flowParseUnionType();return
this.state.inType=e,this.state.exprAllowed=this.state.exprAllowed||this.state.noAnonFunctionType,t}flowParseType
OrImplicitInstantiation(){if(this.state.type===o.name&&"_"===this.state.value){const
e=this.state.start,t=this.state.startLoc,r=this.parseIdentifier();return this.flowParseGenericType(e,t,r)}return
this.flowParseType()}flowParseTypeAnnotation(){const e=this.startNode();return
e.typeAnnotation=this.flowParseTypeInitialiser(),this.finishNode(e,"TypeAnnotation")}flowParseTypeAnnotatableI
dentifier(e){const t=e?this.parseIdentifier():this.flowParseRestrictedIdentifier();return
this.match(o.colon)&&(t.typeAnnotation=this.flowParseTypeAnnotation(),this.resetEndLocation(t),t)}typeCastToPa
rameter(e){return
e.expression.typeAnnotation=e.typeAnnotation,this.resetEndLocation(e.expression,e.typeAnnotation.end,e.typeAnn
otation.loc.end),e.expression}flowParseVariance(){let e=null;return
this.match(o.plusMin)&&(e=this.startNode(),"+"===this.state.value?e.kind="plus":e.kind="minus",this.next(),this.fi
nishNode(e,"Variance")),e}parseFunctionBody(e,t,r=!1){return
t?this.forwardNoArrowParamsConversionAt(e,()=>super.parseFunctionBody(e,!0,r)):super.parseFunctionBody(e,!1,
r)}parseFunctionBodyAndFinish(e,t,r=!1){if(this.match(o.colon)){const
t=this.startNode();[t.typeAnnotation,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),e.returnType=t.typeA
nnotation?this.finishNode(t,"TypeAnnotation"):null}super.parseFunctionBodyAndFinish(e,t,r)}parseStatement(e,t){
if(this.state.strict&&this.match(o.name)&&"interface"===this.state.value){const
e=this.lookahead();if(e.type===o.name||U(e.value)){const e=this.startNode();return

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this.next(),this.flowParseInterface(e)}else if(this.shouldParseEnums()&&this.isContextual("enum")){const
e=this.startNode();return this.next(),this.flowParseEnumDeclaration(e)}const r=super.parseStatement(e,t);return
void
0!==(this.flowPragma||this.isValidDirective(r)||this.flowPragma=null,r)parseExpressionStatement(e,t){if("Identifie
r"===t.type)if("declare"===t.name){if(this.match(o._class)||this.match(o.name)||this.match(o._function)||this.match(
o._var)||this.match(o._export))return this.flowParseDeclare(e)}else
if(this.match(o.name)){if("interface"===t.name)return this.flowParseInterface(e);if("type"===t.name)return
this.flowParseTypeAlias(e);if("opaque"===t.name)return this.flowParseOpaqueType(e,!1)}return
super.parseExpressionStatement(e,t)}shouldParseExportDeclaration(){return
this.isContextual("type")||this.isContextual("interface")||this.isContextual("opaque")||this.shouldParseEnums()&&thi
s.isContextual("enum")||super.shouldParseExportDeclaration()}isExportDefaultSpecifier(){return(!this.match(o.nam
e)||!("type"===this.state.value||"interface"===this.state.value||"opaque"===this.state.value||this.shouldParseEnums()
&&"enum"===this.state.value))&&super.isExportDefaultSpecifier()}parseExportDefaultExpression(){if(this.should
ParseEnums()&&this.isContextual("enum")){const e=this.startNode();return
this.next(),this.flowParseEnumDeclaration(e)}return
super.parseExportDefaultExpression()}parseConditional(e,t,r,n){if(!this.match(o.question))return e;if(n){const
i=this.tryParse(()=>super.parseConditional(e,t,r));return
i.node?(i.error&&(this.state=i.failState),i.node):(n.start=i.error.pos||this.state.start,e)}this.expect(o.question);const
i=this.state.clone(),s=this.state.noArrowAt,a=this.startNodeAt(t,r);let{consequent:l,failed:c}=this.tryParseCondition
alConsequent(),[p,u]=this.getArrowLikeExpressions(l);if(c||u.length>0){const
e=[...s];if(u.length>0){this.state=i,this.state.noArrowAt=e;for(let
t=0;t<u.length;t++)e.push(u[t].start);({consequent:l,failed:c}=this.tryParseConditionalConsequent(),[p,u]=this.getA
rrowLikeExpressions(l))c&&p.length>1&&this.raise(i.start,J.AmbiguousConditionalArrow),c&&l===p.length&&
(this.state=i,this.state.noArrowAt=e.concat(p[0].start),({consequent:l,failed:c}=this.tryParseConditionalConsequent(
)))}return
this.getArrowLikeExpressions(l,!0),this.state.noArrowAt=s,this.expect(o.colon),a.test=e,a.consequent=l,a.alternate=
this.forwardNoArrowParamsConversionAt(a,()=>this.parseMaybeAssign(void 0,void 0,void
0)),this.finishNode(a,"ConditionalExpression")}tryParseConditionalConsequent(){this.state.noArrowParamsConver
sionAt.push(this.state.start);const e=this.parseMaybeAssignAllowIn(),t=!this.match(o.colon);return
this.state.noArrowParamsConversionAt.pop(),{consequent:e,failed:t}}getArrowLikeExpressions(e,t){const
r=[e],n=[];for(;0!==r.length;){const
e=r.pop();"ArrowFunctionExpression"===e.type?(e.typeParameters||!e.returnType?this.finishArrowValidation(e):n.
push(e),r.push(e.body)):"ConditionalExpression"===e.type&&(r.push(e.consequent),r.push(e.alternate))}return
t?(n.forEach(e=>this.finishArrowValidation(e)),[n,[]]):function(e,t){const r=[],n=[];for(let
i=0;i<e.length;i++)t(e[i],i,e)?r:n.push(e[i]);return[r,n]}(n,e=>e.params.every(e=>this.isAssignable(e,!0)))}finishAr
rowValidation(e){var t;this.toAssignableList(e.params,null==(t=e.extra)?void
0:t.trailingComma,!1),this.scope.enter(6),super.checkParams(e,!1,!0),this.scope.exit()}forwardNoArrowParamsCon
versionAt(e,t){let r;return-
1!==(this.state.noArrowParamsConversionAt.indexOf(e.start)?(this.state.noArrowParamsConversionAt.push(this.stat
e.start),r=t(),this.state.noArrowParamsConversionAt.pop()):r=t(),r)}parseParenItem(e,t,r){if(e=super.parseParenItem
(e,t,r),this.eat(o.question)&&(e.optional=!0,this.resetEndLocation(e)),this.match(o.colon)){const
n=this.startNodeAt(t,r);return
n.expression=e,n.typeAnnotation=this.flowParseTypeAnnotation(),this.finishNode(n,"TypeCastExpression")}return
e}assertModuleNodeAllowed(e){"ImportDeclaration"===e.type&&("type"===e.importKind||"typeof"===e.import
Kind)||"ExportNamedDeclaration"===e.type&&"type"===e.exportKind||"ExportAllDeclaration"===e.type&&"type
"===e.exportKind||super.assertModuleNodeAllowed(e)}parseExport(e){const
t=super.parseExport(e);return"ExportNamedDeclaration"!==t.type&&"ExportAllDeclaration"!==t.type||(t.exportKin
d=t.exportKind||"value"),t}parseExportDeclaration(e){if(this.isContextual("type")){e.exportKind="type";const

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t=this.startNode();return
this.next(),this.match(o.braceL)?(e.specifiers=this.parseExportSpecifiers(),this.parseExportFrom(e),null):this.flowParseTypeAlias(t)if(this.isContextual("opaque")){e.exportKind="type";const t=this.startNode();return
this.next(),this.flowParseOpaqueType(t,!1)}if(this.isContextual("interface")){e.exportKind="type";const
t=this.startNode();return
this.next(),this.flowParseInterface(t)if(this.shouldParseEnums())&&this.isContextual("enum")){e.exportKind="value";const t=this.startNode();return this.next(),this.flowParseEnumDeclaration(t)}return
super.parseExportDeclaration(e)}eatExportStar(e){return!!super.eatExportStar(...arguments)||(!this.isContextual("type")||this.lookahead().type!==o.star)&&(e.exportKind="type",this.next(),this.next(),!0)}maybeParseExportNamespaceSpecifier(e){const t=this.state.start,r=super.maybeParseExportNamespaceSpecifier(e);return
r&&"type"===e.exportKind&&this.unexpected(t,r)}parseClassId(e,t,r){super.parseClassId(e,t,r),this.isRelational("<")&&(e.typeParameters=this.flowParseTypeParameterDeclaration())}parseClassMember(e,t,r){const
n=this.state.start;if(this.isContextual("declare")){if(this.parseClassMemberFromModifier(e,t))return;t.declare=!0}super.parseClassMember(e,t,r),t.declare&&("ClassProperty"!==t.type&&"ClassPrivateProperty"!==t.type&&"PropertyDefinition"!==t.type?this.raise(n,J.DeclareClassElement):t.value&&this.raise(t.value.start,J.DeclareClassFieldInitializer))}isIterator(e){return"iterator"===e||"asyncIterator"===e}readIterator(){const
e=super.readWord1(),t="@@"+e;this.isIterator(e)&&this.state.inType||this.raise(this.state.pos,T.InvalidIdentifier,t),this.finishToken(o.name,t)}getTokenFromCode(e){const t=this.input.charCodeAt(this.state.pos+1);return
123===e&&124===t?this.finishOp(o.braceBarL,2):!this.state.inType||62!==e&&60!==e?this.state.inType&&63===e?46===t?this.finishOp(o.questionDot,2):this.finishOp(o.question,1):function(e,t){return
64===e&&64===t}(e,t)?(this.state.pos+=2,this.readIterator()):super.getTokenFromCode(e):this.finishOp(o.relational,1)}isAssignable(e,t){switch(e.type){case"Identifier":case"ObjectPattern":case"ArrayPattern":case"AssignmentPattern":return!0;case"ObjectExpression":{const t=e.properties.length-1;return
e.properties.every((e,r)=>"ObjectMethod"!==e.type&&(r===t||"SpreadElement"===e.type)&&this.isAssignable(e))}case"ObjectProperty":return this.isAssignable(e.value);case"SpreadElement":return
this.isAssignable(e.argument);case"ArrayExpression":return
e.elements.every(e=>this.isAssignable(e));case"AssignmentExpression":return"="===e.operator;case"ParenthesizedExpression":case"TypeCastExpression":return
this.isAssignable(e.expression);case"MemberExpression":case"OptionalMemberExpression":return!t;default:return!1}}toAssignable(e,t=!1){return"TypeCastExpression"===e.type?super.toAssignable(this.typeCastToParameter(e,t)):super.toAssignable(e,t)}toAssignableList(e,t,r){for(let t=0;t<e.length;t++){const
r=e[t];"TypeCastExpression"===e&&(null===r?void 0:r.type)&&(e[t]=this.typeCastToParameter(r))}return
super.toAssignableList(e,t,r)}toReferencedList(e,t){for(let n=0;n<e.length;n++){var r;const
i=e[n];!i||"TypeCastExpression"!==i.type||null!=(r=i.extra)&&r.parenthesized||!(e.length>1)&&t||this.raise(i.typeAnnotation.start,J.TypeCastInPattern)}return e}parseArrayLike(e,t,r,n){const i=super.parseArrayLike(e,t,r,n);return
t&&!this.state.maybeInArrowParameters&&this.toReferencedList(i.elements,i)}checkLVal(e,...t){if("TypeCastExpression"!==e.type)return super.checkLVal(e,...t)}parseClassProperty(e){return
this.match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),super.parseClassProperty(e)}parseClassPrivateProperty(e){return
this.match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),super.parseClassPrivateProperty(e)}isClassMethod(){return this.isRelational("<")||super.isClassMethod()}isClassProperty(){return
this.match(o.colon)||super.isClassProperty()}isNonstaticConstructor(e){return!this.match(o.colon)&&super.isNonstaticConstructor(e)}pushClassMethod(e,t,r,n,i,s){if(t.variance&&this.unexpected(t.variance.start),delete
t.variance,this.isRelational("<")&&(t.typeParameters=this.flowParseTypeParameterDeclaration()),super.pushClassMethod(e,t,r,n,i,s),t.params&&i){const
e=t.params;e.length>0&&this.isThisParam(e[0])&&this.raise(t.start,J.ThisParamBannedInConstructor)}else
if("MethodDefinition"===t.type&&i&&t.value.params){const
e=t.value.params;e.length>0&&this.isThisParam(e[0])&&this.raise(t.start,J.ThisParamBannedInConstructor)}}push

```

```

ClassPrivateMethod(e,t,r,n){t.variance&&this.unexpected(t.variance.start),delete
t.variance,this.isRelational("<")&&(t.typeParameters=this.flowParseTypeParameterDeclaration()),super.pushClassP
privateMethod(e,t,r,n)}parseClassSuper(e){if(super.parseClassSuper(e),e.superClass&&this.isRelational("<")&&(e.s
uperTypeParameters=this.flowParseTypeParameterInstantiation()),this.isContextual("implements")){this.next();cons
t t=e.implements=[];do{const
e=this.startNode();e.id=this.flowParseRestrictedIdentifier(!0),this.isRelational("<")?e.typeParameters=this.flowPars
eTypeParameterInstantiation():e.typeParameters=null,t.push(this.finishNode(e,"ClassImplements"))}while(this.eat(o
.comma))}checkGetterSetterParams(e){super.checkGetterSetterParams(e);const
t=this.getObjectOrClassMethodParams(e);if(t.length>0){const
r=t[0];this.isThisParam(r)&&"get"===e.kind?this.raise(r.start,J.GetterMayNotHaveThisParam):this.isThisParam(r)
&&this.raise(r.start,J.SetterMayNotHaveThisParam)}parsePropertyName(e,t){const
r=this.flowParseVariance(),n=super.parsePropertyName(e,t);return
e.variance=r,n}parseObjPropValue(e,t,r,n,i,s,a,l){let c;e.variance&&this.unexpected(e.variance.start),delete
e.variance,this.isRelational("<")&&!a&&(c=this.flowParseTypeParameterDeclaration(),this.match(o.parenL)||this.u
nexpected()),super.parseObjPropValue(e,t,r,n,i,s,a,l),c&&((e.value||e).typeParameters=c)}parseAssignableListItemT
ypes(e){return
this.eat(o.question)&&("Identifier"!==e.type&&this.raise(e.start,J.OptionalBindingPattern),this.isThisParam(e)&&t
his.raise(e.start,J.ThisParamMayNotBeOptional),e.optional=!0),this.match(o.colon)?e.typeAnnotation=this.flowPars
eTypeAnnotation():this.isThisParam(e)&&this.raise(e.start,J.ThisParamAnnotationRequired),this.match(o.eq)&&thi
s.isThisParam(e)&&this.raise(e.start,J.ThisParamNoDefault),this.resetEndLocation(e,e)}parseMaybeDefault(e,t,r){c
onst
n=super.parseMaybeDefault(e,t,r);return"AssignmentPattern"===n.type&&n.typeAnnotation&&n.right.start<n.type
Annotation.start&&this.raise(n.typeAnnotation.start,J.TypeBeforeInitializer),n}shouldParseDefaultImport(e){return
H(e)?G(this.state):super.shouldParseDefaultImport(e)}parseImportSpecifierLocal(e,t,r,n){t.local=H(e)?this.flowPars
eRestrictedIdentifier(!0,!0):this.parseIdentifier(),this.checkLVal(t.local,n,9),e.specifiers.push(this.finishNode(t,r))m
aybeParseDefaultImportSpecifier(e){e.importKind="value";let
t=null;if(this.match(o._typeof)?t="typeof":this.isContextual("type")&&(t="type"),t){const
r=this.lookahead();"type"===t&&r.type===o.star&&this.unexpected(r.start),(G(r)||r.type===o.braceL||r.type===o.st
ar)&&(this.next(),e.importKind=t)}return
super.maybeParseDefaultImportSpecifier(e)}parseImportSpecifier(e){const
t=this.startNode(),r=this.state.start,n=this.parseModuleExportName();let
i=null;"Identifier"===n.type&&("type"===n.name?i="type":"typeof"===n.name&&(i="typeof"));let
s=!1;if(this.isContextual("as")&&!this.isLookaheadContextual("as")){const
e=this.parseIdentifier(!0);null===i||this.match(o.name)||this.state.type.keyword?(t.imported=n,t.importKind=null,t.lo
cal=this.parseIdentifier():t.imported=e,t.importKind=i,t.local=e.__clone())}else
if(null===i&&(this.match(o.name)||this.state.type.keyword))t.imported=this.parseIdentifier(!0),t.importKind=i,this.e
atContextual("as"?t.local=this.parseIdentifier():s=!0,t.local=t.imported.__clone());else{if("StringLiteral"===n.type
)throw
this.raise(t.start,T.ImportBindingIsString,n.value);s=!0,t.imported=n,t.importKind=null,t.local=t.imported.__clone()
}const
a=H(e),l=H(t);a&&l&&this.raise(r,J.ImportTypeShorthandOnlyInPureImport),(a||l)&&this.checkReservedType(t.lo
cal.name,t.local.start,!0),!s||a||l||this.checkReservedWord(t.local.name,t.start,!0,!0),this.checkLVal(t.local,"import
specifier",9),e.specifiers.push(this.finishNode(t,"ImportSpecifier"))}parseBindingAtom(){switch(this.state.type){cas
e o._this:return this.parseIdentifier(!0);default:return super.parseBindingAtom()}}parseFunctionParams(e,t){const
r=e.kind;"get"!==r&&"set"!==r&&this.isRelational("<")&&(e.typeParameters=this.flowParseTypeParameterDeclar
ation()),super.parseFunctionParams(e,t)}parseVarId(e,t){super.parseVarId(e,t),this.match(o.colon)&&(e.id.typeAnn
otation=this.flowParseTypeAnnotation(),this.resetEndLocation(e.id))}parseAsyncArrowFromCallExpression(e,t){if
(this.match(o.colon)){const

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t=this.state.noAnonFunctionType;this.state.noAnonFunctionType=!0,e.returnType=this.flowParseTypeAnnotation()
,this.state.noAnonFunctionType=t}return
super.parseAsyncArrowFromCallExpression(e,t)}shouldParseAsyncArrow(){return
this.match(o.colon)||super.shouldParseAsyncArrow()}parseMaybeAssign(e,t,r){var n;let
i,s=null;if(this.hasPlugin("jsx")&&(this.match(o.jsxTagStart)||this.isRelational("<"))){if(s=this.state.clone(),i=this.tr
yParse(=>super.parseMaybeAssign(e,t,r),s),!i.error)return i.node;const{context:n}=this.state;n[n.length-
1]===x.j_oTag?n.length-=2:n[n.length-1]===x.j_expr&&(n.length-
=1)}if(null!=(n=i)&&n.error||this.isRelational("<")){var a,l;let n;s=s||this.state.clone();const o=this.tryParse(i=>{var
s;n=this.flowParseTypeParameterDeclaration();const a=this.forwardNoArrowParamsConversionAt(n,=>{const
i=super.parseMaybeAssign(e,t,r);return
this.resetStartLocationFromNode(i,n,i)};"ArrowFunctionExpression"!==a.type&&null!=(s=a.extra)&&s.parenthesi
zed&&i);const o=this.maybeUnwrapTypeCastExpression(a);return
o.typeParameters=n,this.resetStartLocationFromNode(o,n,a},s);let
c=null;if(o.node&&"ArrowFunctionExpression"===this.maybeUnwrapTypeCastExpression(o.node).type){if(!o.erro
r&&!o.aborted)return
o.node.async&&this.raise(n.start,J.UnexpectedTypeParameterBeforeAsyncArrowFunction),o.node;c=o.node}if(null
!=(a=i)&&a.node)return this.state=i.failState,i.node;if(c)return
this.state=o.failState,c;if(null!=(l=i)&&l.thrown)throw i.error;if(o.thrown)throw o.error;throw
this.raise(n.start,J.UnexpectedTokenAfterTypeParameter)}return
super.parseMaybeAssign(e,t,r)}parseArrow(e){if(this.match(o.colon)){const t=this.tryParse(=>{const
t=this.state.noAnonFunctionType;this.state.noAnonFunctionType=!0;const
r=this.startNode();return[r.typeAnnotation,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),this.state.noAn
onFunctionType=t,this.canInsertSemicolon()&&this.unexpected(),this.match(o.arrow)||this.unexpected(),r});if(t.thro
wn)return
null;t.error&&(this.state=t.failState),e.returnType=t.node.typeAnnotation?this.finishNode(t.node,"TypeAnnotation")
:null}return super.parseArrow(e)}shouldParseArrow(){return
this.match(o.colon)||super.shouldParseArrow()}setArrowFunctionParameters(e,t){-
1!==this.state.noArrowParamsConversionAt.indexOf(e.start)?e.params=t:super.setArrowFunctionParameters(e,t)}c
heckParams(e,t,r){if(!r|-1===this.state.noArrowParamsConversionAt.indexOf(e.start)){for(let
t=0;t<e.params.length;t++)this.isThisParam(e.params[t])&&t>0&&this.raise(e.params[t].start,J.ThisParamMustBeFi
rst);return super.checkParams(...arguments)}return
super.parseParenAndDistinguishExpression(e)&&-
1===this.state.noArrowAt.indexOf(this.state.start)}parseSubscripts(e,t,r,n){if("Identifier"===e.type&&"async"===
e.name&&-1!==this.state.noArrowAt.indexOf(t)){this.next();const
n=this.startNodeAt(t,r);n.callee=e,n.arguments=this.parseCallExpressionArguments(o.parenR,!1),e=this.finishNode(
n,"CallExpression")}else if("Identifier"===e.type&&"async"===e.name&&this.isRelational("<")){const
i=this.state.clone(),s=this.tryParse(e=>this.parseAsyncArrowWithTypeParameters(t,r)||e(),i);if(!s.error&&!s.aborted
)return s.node;const a=this.tryParse(=>super.parseSubscripts(e,t,r,n),i);if(a.node&&!a.error)return
a.node;if(s.node)return this.state=s.failState,s.node;if(a.node)return this.state=a.failState,a.node;throw
s.error|a.error}return
super.parseSubscripts(e,t,r,n)}parseSubscript(e,t,r,n,i){if(this.match(o.questionDot)&&this.isLookaheadToken_It())
{if(i.optionalChainMember=!0,n)return i.stop=!0,e,this.next();const s=this.startNodeAt(t,r);return
s.callee=e,s.typeArguments=this.flowParseTypeParameterInstantiation(),this.expect(o.parenL),s.arguments=this.par
seCallExpressionArguments(o.parenR,!1),s.optional=!0,this.finishCallExpression(s,!0)}if(!n&&this.shouldParseTyp
es()&&this.isRelational("<")){const n=this.startNodeAt(t,r);n.callee=e;const
s=this.tryParse(=>(n.typeArguments=this.flowParseTypeParameterInstantiationCallOrNew(),this.expect(o.parenL)
,n.arguments=this.parseCallExpressionArguments(o.parenR,!1),i.optionalChainMember&&(n.optional=!1),this.finis
hCallExpression(n,i.optionalChainMember)));if(s.node)return s.error&&(this.state=s.failState),s.node}return

```

```

super.parseSubscript(e,t,r,n,i)}parseNewArguments(e){let
t=null;this.shouldParseTypes()&&this.isRelational("<")&&(t=this.tryParse(=>this.flowParseTypeParameterInstantiationCallOrNew()).node),e.typeArguments=t,super.parseNewArguments(e)}parseAsyncArrowWithTypeParameters(e,t){const r=this.startNodeAt(e,t);if(this.parseFunctionParams(r),this.parseArrow(r))return
this.parseArrowExpression(r,void 0,!0)}readToken_mult_modulo(e){const
t=this.input.charCodeAt(this.state.pos+1);if(42===e&&47===t&&this.state.hasFlowComment)return
this.state.hasFlowComment=!1,this.state.pos+=2,void
this.nextToken();super.readToken_mult_modulo(e)}readToken_pipe_amp(e){const
t=this.input.charCodeAt(this.state.pos+1);124!==(e||125)!==(t?super.readToken_pipe_amp(e):this.finishOp(o.braceBarR,2))}parseTopLevel(e,t){const r=super.parseTopLevel(e,t);return
this.state.hasFlowComment&&this.raise(this.state.pos,J.UnterminatedFlowComment),r}skipBlockComment(){if(this.s.hasPlugin("flowComments")&&this.skipFlowComment())return
this.state.hasFlowComment&&this.unexpected(null,J.NestedFlowComment),this.hasFlowCommentCompletion(),this.state.pos+=this.skipFlowComment(),void(this.state.hasFlowComment=!0);if(this.state.hasFlowComment){const
e=this.input.indexOf("*/",this.state.pos+=2);if(-1===e)throw this.raise(this.state.pos-
2,T.UnterminatedComment);this.state.pos=e+3}else
super.skipBlockComment()}skipFlowComment(){const{pos:e}=this.state;let
t=2;for(;[32,9].includes(this.input.charCodeAt(e+t));t++);const
r=this.input.charCodeAt(t+e),n=this.input.charCodeAt(t+e+1);return 58===r&&58===n?t+2:"flow-
include"===this.input.slice(t+e,t+e+12)?t+12:58===r&&58!==(n&&t)}hasFlowCommentCompletion(){if(-
1===this.input.indexOf("*/",this.state.pos))throw
this.raise(this.state.pos,T.UnterminatedComment)}flowEnumErrorBooleanMemberNotInitialized(e,{enumName:t,memberName:r}){this.raise(e,J.EnumBooleanMemberNotInitialized,r,t)}flowEnumErrorInvalidMemberName(e,{enumName:t,memberName:r}){const
n=r[0].toUpperCase()+r.slice(1);this.raise(e,J.EnumInvalidMemberName,r,n,t)}flowEnumErrorDuplicateMemberName(e,{enumName:t,memberName:r}){this.raise(e,J.EnumDuplicateMemberName,r,t)}flowEnumErrorInconsistentMemberValues(e,{enumName:t}){this.raise(e,J.EnumInconsistentMemberValues,t)}flowEnumErrorInvalidExplicitType(e,{enumName:t,suppliedType:r}){return
this.raise(e,null===r?J.EnumInvalidExplicitTypeUnknownSupplied:J.EnumInvalidExplicitType,t,r)}flowEnumErrorInvalidMemberInitializer(e,{enumName:t,explicitType:r,memberName:n}){let
i=null;switch(r){case"boolean":case"number":case"string":i=J.EnumInvalidMemberInitializerPrimaryType;break;case"symbol":i=J.EnumInvalidMemberInitializerSymbolType;break;default:i=J.EnumInvalidMemberInitializerUnknownType}return
this.raise(e,i,t,n,r)}flowEnumErrorNumberMemberNotInitialized(e,{enumName:t,memberName:r}){this.raise(e,J.EnumNumberMemberNotInitialized,t,r)}flowEnumErrorStringMemberInconsistentlyInitailized(e,{enumName:t}){this.raise(e,J.EnumStringMemberInconsistentlyInitailized,t)}flowEnumMemberInit(){const
e=this.state.start,t=(=>this.match(o.comma)||this.match(o.braceR));switch(this.state.type){case o.num:{const
r=this.parseLiteral(this.state.value,"NumericLiteral");return
t(){type:"number",pos:r.start,value:r}:{type:"invalid",pos:e}}case o.string:{const
r=this.parseLiteral(this.state.value,"StringLiteral");return
t(){type:"string",pos:r.start,value:r}:{type:"invalid",pos:e}}case o._true:case o._false:{const
r=this.parseBooleanLiteral();return
t(){type:"boolean",pos:r.start,value:r}:{type:"invalid",pos:e}}default:return{type:"invalid",pos:e}}flowEnumMemberRaw(){const
e=this.state.start;return{id:this.parseIdentifier(!0),init:this.eat(o.eq)?this.flowEnumMemberInit():{type:"none",pos:e}}}}flowEnumCheckExplicitTypeMismatch(e,t){const{explicitType:n}=t,null!==(n&&n!==(r&&this.flowEnumErrorInvalidMemberInitializer(e,t))}flowEnumMembers({enumName:e,explicitType:t}){const r=new
Set,n={booleanMembers:[],numberMembers:[],stringMembers:[],defaultedMembers:[]};let

```



```

i=!1;for(;!this.match(o.braceR);}if(this.eat(o.ellipsis)){i=!0;break}const
s=this.startNode(),{id:a,init:l}=this.flowEnumMemberRaw(),c=a.name;if("===c)continue;/^[a-
z]/.test(c)&&this.flowEnumErrorInvalidMemberName(a.start,{enumName:e,memberName:c}),r.has(c)&&this.flow
EnumErrorDuplicateMemberName(a.start,{enumName:e,memberName:c}),r.add(c);const
p={enumName:e,explicitType:t,memberName:c};switch(s.id=a,l.type){case"boolean":this.flowEnumCheckExplicit
TypeMismatch(l.pos,p,"boolean"),s.init=l.value,n.booleanMembers.push(this.finishNode(s,"EnumBooleanMember"
));break;case"number":this.flowEnumCheckExplicitTypeMismatch(l.pos,p,"number"),s.init=l.value,n.numberMemb
ers.push(this.finishNode(s,"EnumNumberMember"));break;case"string":this.flowEnumCheckExplicitTypeMismatc
h(l.pos,p,"string"),s.init=l.value,n.stringMembers.push(this.finishNode(s,"EnumStringMember"));break;case"invalid
":throw
this.flowEnumErrorInvalidMemberInitializer(l.pos,p);case"none":switch(t){case"boolean":this.flowEnumErrorBoo
leanMemberNotInitialized(l.pos,p);break;case"number":this.flowEnumErrorNumberMemberNotInitialized(l.pos,p);b
reak;default:n.defaultedMembers.push(this.finishNode(s,"EnumDefaultedMember"))}this.match(o.braceR)||this.ex
pect(o.comma)}return{members:n,hasUnknownMembers:i}flowEnumStringMembers(e,t,{enumName:r}){if(0===
e.length)return t;if(0===t.length)return e;if(t.length>e.length){for(const t of
e)this.flowEnumErrorStringMemberInconsistentlyInitailized(t.start,{enumName:r});return t}for(const e of
t)this.flowEnumErrorStringMemberInconsistentlyInitailized(e.start,{enumName:r});return
e}flowEnumParseExplicitType({enumName:e}){if(this.eatContextual("of")){if(!this.match(o.name))throw
this.flowEnumErrorInvalidExplicitType(this.state.start,{enumName:e,suppliedType:null});const{value:t}=this.state;
return
this.next(),"boolean"!==t&&"number"!==t&&"string"!==t&&"symbol"!==t&&this.flowEnumErrorInvalidExplicit
Type(this.state.start,{enumName:e,suppliedType:t}),t}return
null}flowEnumBody(e,{enumName:t,nameLoc:r}){const
n=this.flowEnumParseExplicitType({enumName:t});this.expect(o.braceL);const{members:i,hasUnknownMembers:
s}=this.flowEnumMembers({enumName:t,explicitType:n});switch(e.hasUnknownMembers=s,n){case"boolean":ret
urn
e.explicitType=!0,e.members=i.booleanMembers,this.expect(o.braceR),this.finishNode(e,"EnumBooleanBody");cas
e"number":return
e.explicitType=!0,e.members=i.numberMembers,this.expect(o.braceR),this.finishNode(e,"EnumNumberBody");cas
e"string":return
e.explicitType=!0,e.members=this.flowEnumStringMembers(i.stringMembers,i.defaultedMembers,{enumName:t}),
this.expect(o.braceR),this.finishNode(e,"EnumStringBody");case"symbol":return
e.members=i.defaultedMembers,this.expect(o.braceR),this.finishNode(e,"EnumSymbolBody");default:{const
n=()=>(e.members=[],this.expect(o.braceR),this.finishNode(e,"EnumStringBody"));e.explicitType=!1;const
s=i.booleanMembers.length,a=i.numberMembers.length,l=i.stringMembers.length,c=i.defaultedMembers.length;if(s
||a||l||c){if(s||a){if(!a&&!l&&s>=c){for(const e of
i.defaultedMembers)this.flowEnumErrorBooleanMemberNotInitialized(e.start,{enumName:t,memberName:e.id.na
me});return
e.members=i.booleanMembers,this.expect(o.braceR),this.finishNode(e,"EnumBooleanBody")}if(!s&&!l&&a>=c){f
or(const e of
i.defaultedMembers)this.flowEnumErrorNumberMemberNotInitialized(e.start,{enumName:t,memberName:e.id.na
me});return
e.members=i.numberMembers,this.expect(o.braceR),this.finishNode(e,"EnumNumberBody")}return
this.flowEnumErrorInconsistentMemberValues(r,{enumName:t}),n()}return
e.members=this.flowEnumStringMembers(i.stringMembers,i.defaultedMembers,{enumName:t}),this.expect(o.brace
R),this.finishNode(e,"EnumStringBody")}return n()}}flowParseEnumDeclaration(e){const
t=this.parseIdentifier();return
e.id=t,e.body=this.flowEnumBody(this.startNode(),{enumName:t.name,nameLoc:t.start}),this.finishNode(e,"Enum
Declaration")}updateContext(e){this.match(o.name)&&"of"===this.state.value&&e===o.name&&"interface"===t

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his.input.slice(this.state.lastTokStart,this.state.lastTokEnd)?this.state.exprAllowed=!1:super.updateContext(e)}isLookaheadToken_lt(){const e=this.nextTokenStart();if(60===this.input.charCodeAt(e)){const t=this.input.charCodeAt(e+1);return 60!==(t&&61)!==t}return!1}maybeUnwrapTypeCastExpression(e){return"TypeCastExpression"===e.type?e.expression:e}},typescript:e=>class extends e{getScopeHandler(){return se}tsIsIdentifier(){return this.match(o.name)}tsTokenCanFollowModifier(){return(this.match(o.bracketL)||this.match(o.braceL)||this.match(o.star)||this.match(o.ellipsis)||this.match(o.privateName)||this.isLiteralPropertyName())&&!this.hasPrecedingLineBreak()}tsNextTokenCanFollowModifier(){return this.next(),this.tsTokenCanFollowModifier()}tsParseModifier(e){if(!this.match(o.name))return;const t=this.state.value;return-1!==e.indexOf(t)&&this.tsTryParse(this.tsNextTokenCanFollowModifier.bind(this)):t:void 0}tsParseModifiers(e,t,r,n){const i=(t,r,n,i)>=>{r===n&&e[i]&&this.raise(t,pe.InvalidModifiersOrder,n,i)},s=(t,r,n,i)>=>{(e[n]&&r===i||e[i]&&r===n)&&this.raise(t,pe.IncompatibleModifiers,n,i)};for(;;){const a=this.state.start,o=this.tsParseModifier(t.concat(null!=r?r:[]));if(!o)break;ue(o)?e.accessibility?this.raise(a,pe.DuplicateAccessibilityModifier):(i(a,o,o,"override"),i(a,o,o,"static"),e.accessibility=o):(Object.hasOwnProperty.call(e,o)?this.raise(a,pe.DuplicateModifier,o):(i(a,o,"static","readonly"),i(a,o,"static","override"),i(a,o,"override","readonly"),i(a,o,"abstract","override"),s(a,o,"declare","override"),s(a,o,"static","abstract")),e[o]=!0,null!=r&&r.includes(o)&&this.raise(a,n,o))}tsIsListTerminator(e){switch(e){case"EnumMembers":case"TypeMembers":return this.match(o.braceR);case"HeritageClauseElement":return this.match(o.braceL);case"TupleElementTypes":return this.match(o.bracketR);case"TypeParametersOrArguments":return this.isRelational(">")}throw new Error("Unreachable")}tsParseList(e,t){const r=[];for(;!this.tsIsListTerminator(e);)r.push(t());return r}tsParseDelimitedList(e,t){return le(this.tsParseDelimitedListWorker(e,t,!0))}tsParseDelimitedListWorker(e,t,r){const n=[];for(;!this.tsIsListTerminator(e);){const i=t();if(null===i)return;if(n.push(i),!this.eat(o.comma)){if(this.tsIsListTerminator(e))break;return void(r&&this.expect(o.comma))}}return n}tsParseBracketedList(e,t,r,n){n||(r?this.expect(o.bracketL):this.expectRelational("<"));const i=this.tsParseDelimitedList(e,t);return r?this.expect(o.bracketR):this.expectRelational(">"),i}tsParseImportType(){const e=this.startNode();return this.expect(o._import),this.expect(o.parenL),this.match(o.string)||this.raise(this.state.start,pe.UnsupportedImportTypeArgument),e.argument=this.parseExprAtom(),this.expect(o.parenR),this.eat(o.dot)&&(e.qualifier=this.tsParseEntityName(!0)),this.isRelational("<")&&(e.typeParameters=this.tsParseTypeArguments()),this.finishNode(e,"TSImportType")}tsParseEntityName(e){let t=this.parseIdentifier();for(;this.eat(o.dot);){const r=this.startNodeAtNode(t);r.left=t,r.right=this.parseIdentifier(e),t=this.finishNode(r,"TSQualifiedName")}return t}tsParseTypeReference(){const e=this.startNode();return e.typeName=this.tsParseEntityName(!1),!this.hasPrecedingLineBreak()&&this.isRelational("<")&&(e.typeParameters=this.tsParseTypeArguments()),this.finishNode(e,"TSTypeReference")}tsParseThisTypePredicate(e){this.next();const t=this.startNodeAtNode(e);return t.parameterName=e,t.typeAnnotation=this.tsParseTypeAnnotation(!1),t.asserts=!1,this.finishNode(t,"TSTypePredicate")}tsParseThisTypeNode(){const e=this.startNode();return this.next(),this.finishNode(e,"TSThisType")}tsParseTypeQuery(){const e=this.startNode();return this.expect(o._typeof),this.match(o._import)?e.exprName=this.tsParseImportType():e.exprName=this.tsParseEntityName(!0),this.finishNode(e,"TSTypeQuery")}tsParseTypeParameter(){const e=this.startNode();return e.name=this.parseIdentifierName(e.start),e.constraint=this.tsEatThenParseType(o._extends),e.default=this.tsEatThenParseType(o.eq),this.finishNode(e,"TSTypeParameter")}tsTryParseTypeParameters(){if(this.isRelational("<"))return this.tsParseTypeParameters()}tsParseTypeParameters(){const e=this.startNode();return this.isRelational("<")||this.match(o.jsxTagStart)?this.next():this.unexpected(),e.params=this.tsParseBracketedList("TypeParametersOrArguments",this.tsParseTypeParameter.bind(this),!1,!0),0===e.params.length&&this.raise(e.start,p

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e.EmptyTypeParameters),this.finishNode(e,"TSTypeParameterDeclaration"))tsTryNextParseConstantContext(){return
this.lookahead().type===o._const?(this.next(),this.tsParseTypeReference()):null}tsFillSignature(e,t){const
r=e===o.arrow;t.typeParameters=this.tsTryParseTypeParameters(),this.expect(o.parenL),t.parameters=this.tsParseBi
ndingListForSignature(),(r||this.match(e))&&(t.typeAnnotation=this.tsParseTypeOrTypePredicateAnnotation(e))}ts
ParseBindingListForSignature(){return
this.parseBindingList(o.parenR,41).map(e=>("Identifier"!==e.type&&"RestElement"!==e.type&&"ObjectPattern"
===e.type&&"ArrayPattern"!==e.type&&this.raise(e.start,pe.UnsupportedSignatureParameterKind,e.type),e))}tsParse
TypeMemberSemicolon(){this.eat(o.comma)||this.isLineTerminator()||this.expect(o.semi)}tsParseSignatureMembe
r(e,t){return
this.tsFillSignature(o.colon,t),this.tsParseTypeMemberSemicolon(),this.finishNode(t,e)}tsIsUnambiguouslyIndexSi
gnature(){return
this.next(),this.eat(o.name)&&this.match(o.colon)}tsTryParseIndexSignature(e){if(!this.match(o.bracketL)||!this.tsL
ookAhead(this.tsIsUnambiguouslyIndexSignature.bind(this)))return;this.expect(o.bracketL);const
t=this.parseIdentifier();t.typeAnnotation=this.tsParseTypeAnnotation(),this.resetEndLocation(t),this.expect(o.bracke
tR),e.parameters=[t];const r=this.tsTryParseTypeAnnotation();return
r&&(e.typeAnnotation=r),this.tsParseTypeMemberSemicolon(),this.finishNode(e,"TSIndexSignature")}tsParseProp
ertyOrMethodSignature(e,t){this.eat(o.question)&&(e.optional=!0);const
r=e;if(this.match(o.parenL)||this.isRelational("<")){t&&this.raise(e.start,pe.ReadonlyForMethodSignature);const
n=r;if(n.kind&&this.isRelational("<")&&this.raise(this.state.pos,pe.AccessorCannotHaveTypeParameters),this.tsFill
Signature(o.colon,n),this.tsParseTypeMemberSemicolon(),"get"===n.kind)n.parameters.length>0&&(this.raise(this.
state.pos,T.BadGetterArity),this.isThisParam(n.parameters[0])&&this.raise(this.state.pos,pe.AccessorCannotDeclare
ThisParameter));else
if("set"===n.kind){if(!n.parameters.length)this.raise(this.state.pos,T.BadSetterArity);else{const
e=n.parameters[0];this.isThisParam(e)&&this.raise(this.state.pos,pe.AccessorCannotDeclareThisParameter),"Identif
ier"===e.type&&e.optional&&this.raise(this.state.pos,pe.SetAccessorCannotHaveOptionalParameter),"RestElement"
===e.type&&this.raise(this.state.pos,pe.SetAccessorCannotHaveRestParameter)}n.typeAnnotation&&this.raise(n.ty
peAnnotation.start,pe.SetAccessorCannotHaveReturnType)}else n.kind="method";return
this.finishNode(n,"TSMethodSignature")}{const e=r;t&&(e.readonly=!0);const
n=this.tsTryParseTypeAnnotation();return
n&&(e.typeAnnotation=n),this.tsParseTypeMemberSemicolon(),this.finishNode(e,"TSPropertySignature")}tsParse
TypeMember(){const e=this.startNode();if(this.match(o.parenL)||this.isRelational("<"))return
this.tsParseSignatureMember("TSCallSignatureDeclaration",e);if(this.match(o._new)){const
t=this.startNode();return
this.next(),this.match(o.parenL)||this.isRelational("<")?this.tsParseSignatureMember("TSConstructSignatureDeclara
tion",e):(e.key=this.createIdentifier(t,"new"),this.tsParsePropertyOrMethodSignature(e,!1))}this.tsParseModifiers(e,
["readonly"],["declare","abstract","private","protected","public","static","override"],pe.InvalidModifierOnTypeMem
ber);const t=this.tsTryParseIndexSignature(e);return
t||(this.parsePropertyName(e,!1),e.computed||"Identifier"!==e.key.type||"get"!==e.key.name&&"set"!==e.key.name||
!this.tsTokenCanFollowModifier()||(e.kind=e.key.name,this.parsePropertyName(e,!1)),this.tsParsePropertyOrMetho
dSignature(e,!e.readonly))}tsParseTypeLiteral(){const e=this.startNode();return
e.members=this.tsParseObjectTypeMembers(),this.finishNode(e,"TSTypeLiteral")}tsParseObjectTypeMembers(){t
his.expect(o.braceL);const e=this.tsParseList("TypeMembers",this.tsParseTypeMember.bind(this));return
this.expect(o.braceR),e}tsIsStartOfMappedType(){return
this.next(),this.eat(o.plusMin)?this.isContextual("readonly"):(this.isContextual("readonly")&&this.next(),!this.mat
h(o.bracketL)&&(this.next(),!this.tsIsIdentifier())&&(this.next(),this.match(o._in))))}tsParseMappedTypeParameter
(){const e=this.startNode();return
e.name=this.parseIdentifierName(e.start),e.constraint=this.tsExpectThenParseType(o._in),this.finishNode(e,"TSTyp
eParameter")}tsParseMappedType(){const e=this.startNode();return

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this.expect(o.braceL),this.match(o.plusMin)?(e.readonly=this.state.value,this.next(),this.expectContextual("readonly
")):this.eatContextual("readonly")&&(e.readonly!=0),this.expect(o.bracketL),e.typeParameter=this.tsParseMappedT
ypeParameter(),e.nameType=this.eatContextual("as"?this.tsParseType():null,this.expect(o.bracketR),this.match(o.p
lusMin)?(e.optional=this.state.value,this.next(),this.expect(o.question)):this.eat(o.question)&&(e.optional!=0),e.type
Annotation=this.tsTryParseType(),this.semicolon(),this.expect(o.braceR),this.finishNode(e,"TSMappedType")}tsPa
rseTupleType(){const
e=this.startNode();e.elementTypes=this.tsParseBracketedList("TupleElementTypes",this.tsParseTupleElementType.
bind(this),!0,!1);let t=!1,r=null;return e.elementTypes.forEach(e=>{var
n;let{type:i}=e;!t||"TSRestType"===i||"TSOptionalType"===i||"TSNamedTupleMember"===i&&e.optional||this.raise(e.start,pe.OptionalTypeBeforeRequired),t=t||"TSNamedTupleMember"===i&&e.optional||"TSOptionalType"===
i,"TSRestType"===i&&(i=(e=e.typeAnnotation).type);const
s="TSNamedTupleMember"===i;r=null!=(n=r)?n:s,r!=="s"&&this.raise(e.start,pe.MixedLabeledAndUnlabeledElem
ents)),this.finishNode(e,"TSTupleType")}tsParseTupleElementType(){const{start:e,startLoc:t}=this.state,r=this.eat
(o.ellipsis);let n=this.tsParseType();const i=this.eat(o.question);if(this.eat(o.colon))){const
e=this.startNodeAtNode(n);e.optional=i,"TSTypeReference"!==n.type||n.typeParameters||"Identifier"!==n.typeNam
e.type?(this.raise(n.start,pe.InvalidTupleMemberLabel),e.label=n):e.label=n.typeName,e.elementType=this.tsParseT
ype(),n=this.finishNode(e,"TSNamedTupleMember")}else if(i){const
e=this.startNodeAtNode(n);e.typeAnnotation=n,n=this.finishNode(e,"TSOptionalType")}if(r){const
r=this.startNodeAt(e,t);r.typeAnnotation=n,n=this.finishNode(r,"TSRestType")}return
n}tsParseParenthesizedType(){const e=this.startNode();return
this.expect(o.parenL),e.typeAnnotation=this.tsParseType(),this.expect(o.parenR),this.finishNode(e,"TSParenthesize
dType")}tsParseFunctionOrConstructorType(e,t){const
r=this.startNode();return"TSConstructorType"===e&&(r.abstract=!t,t&&this.next(),this.next()),this.tsFillSignature(
o.arrow,r),this.finishNode(r,e)}tsParseLiteralTypeNode(){const e=this.startNode();return
e.literal=(()=>>{switch(this.state.type){case o.num:case o.bigint:case o.string:case o._true:case o._false:return
this.parseExprAtom();default:throw
this.unexpected()})(),this.finishNode(e,"TSLiteralType")}tsParseTemplateLiteralType(){const
e=this.startNode();return
e.literal=this.parseTemplate(!1),this.finishNode(e,"TSLiteralType")}parseTemplateSubstitution(){return
this.state.inType?this.tsParseType():super.parseTemplateSubstitution()}tsParseThisTypeOrThisTypePredicate(){con
st e=this.tsParseThisTypeNode();return
this.isContextual("is")&&!this.hasPrecedingLineBreak()?this.tsParseThisTypePredicate(e):e}tsParseNonArrayType
(){switch(this.state.type){case o.name:case o._void:case o._null:{const
e=this.match(o._void)?"TSVoidKeyword":this.match(o._null)?"TSNullKeyword":function(e){switch(e){case"any":r
eturn"TSAnyKeyword";case"boolean":return"TSBooleanKeyword";case"bigint":return"TSBigIntKeyword";case"ne
ver":return"TSNeverKeyword";case"number":return"TSNumberKeyword";case"object":return"TSObjectKeyword";
case"string":return"TSStringKeyword";case"symbol":return"TSSymbolKeyword";case"undefined":return"TSUndefi
nedKeyword";case"unknown":return"TSUnknownKeyword";default:return}}(this.state.value);if(void
0!==(e&&46)===this.lookaheadCharCode()){const t=this.startNode();return this.next(),this.finishNode(t,e)}return
this.tsParseTypeReference()}case o.string:case o.num:case o.bigint:case o._true:case o._false:return
this.tsParseLiteralTypeNode();case o.plusMin:if("-"===this.state.value){const
e=this.startNode(),t=this.lookahead();if(t.type!==o.num&&t.type!==o.bigint)throw this.unexpected();return
e.literal=this.parseMaybeUnary(),this.finishNode(e,"TSLiteralType")}break;case o._this:return
this.tsParseThisTypeOrThisTypePredicate();case o._typeof:return this.tsParseTypeQuery();case o._import:return
this.tsParseImportType();case o.braceL:return
this.tsLookAhead(this.tsIsStartOfMappedType.bind(this))?this.tsParseMappedType():this.tsParseTypeLiteral();case
o.bracketL:return this.tsParseTupleType();case o.parenL:return this.tsParseParenthesizedType();case
o.backQuote:return this.tsParseTemplateLiteralType()}throw this.unexpected()}tsParseArrayTypeOrHigher(){let

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e=this.tsParseNonArrayType();for(,!this.hasPrecedingLineBreak()&&this.eat(o.bracketL));if(this.match(o.bracketR)
){const
t=this.startNodeAtNode(e);t.elementType=e,this.expect(o.bracketR),e=this.finishNode(t,"TSArrayType")}else{cons
t
t=this.startNodeAtNode(e);t.objectType=e,t.indexType=this.tsParseType(),this.expect(o.bracketR),e=this.finishNod
e(t,"TSIndexedAccessType")}return e}tsParseTypeOperator(e){const t=this.startNode();return
this.expectContextual(e),t.operator=e,t.typeAnnotation=this.tsParseTypeOperatorOrHigher(),"readonly"===e&&thi
s.tsCheckTypeAnnotationForReadOnly(t),this.finishNode(t,"TSTypeOperator")}tsCheckTypeAnnotationForReadO
nly(e){switch(e.typeAnnotation.type){case"TSTupleType":case"TSArrayType":return;default:this.raise(e.start,pe.U
nexpectedReadOnly)}tsParseInferType(){const e=this.startNode();this.expectContextual("infer");const
t=this.startNode();return
t.name=this.parseIdentifierName(t.start),e.typeParameter=this.finishNode(t,"TSTypeParameter"),this.finishNode(e,"
TSInferType")}tsParseTypeOperatorOrHigher(){const
e=["keyof","unique","readonly"].find(e=>this.isContextual(e));return
e?this.tsParseTypeOperator(e):this.isContextual("infer"?this.tsParseInferType():this.tsParseArrayTypeOrHigher())t
sParseUnionOrIntersectionType(e,t,r){const
n=this.startNode(),i=this.eat(r),s=[];do{s.push(t())}while(this.eat(r));return
1!==s.length||i?(n.types=s,this.finishNode(n,e)):s[0]}tsParseIntersectionTypeOrHigher(){return
this.tsParseUnionOrIntersectionType("TSIntersectionType",this.tsParseTypeOperatorOrHigher.bind(this),o.bitwise
AND)}tsParseUnionTypeOrHigher(){return
this.tsParseUnionOrIntersectionType("TSUnionType",this.tsParseIntersectionTypeOrHigher.bind(this),o.bitwiseOR
)}tsIsStartOfFunctionType(){return!this.isRelational("<")||this.match(o.parenL)&&this.tsLookAhead(this.tsIsUnam
biguouslyStartOfFunctionType.bind(this))}tsSkipParameterStart(){if(this.match(o.name)||this.match(o._this))return
this.next(),!0;if(this.match(o.braceL)){let
e=1;for(this.next();e>0;)this.match(o.braceL)?++e:this.match(o.braceR)&&--
e,this.next();return!0}if(this.match(o.bracketL)){let
e=1;for(this.next();e>0;)this.match(o.bracketL)?++e:this.match(o.bracketR)&&--
e,this.next();return!0}return!1}tsIsUnambiguouslyStartOfFunctionType(){if(this.next(),this.match(o.parenR)||this.m
atch(o.ellipsis))return!0;if(this.tsSkipParameterStart()){if(this.match(o.colon)||this.match(o.comma)||this.match(o.qu
estion)||this.match(o.eq))return!0;if(this.match(o.parenR)&&(this.next(),this.match(o.arrow)))return!0}return!1}tsPa
rseTypeOrTypePredicateAnnotation(e){return this.tsInType(=>{const t=this.startNode();this.expect(e);const
r=this.startNode(),n=!this.tsTryParse(this.tsParseTypePredicateAsserts.bind(this));if(n&&this.match(o._this)){let
e=this.tsParseThisTypeOrThisTypePredicate();return"TSThisType"===e.type?(r.parameterName=e,r.asserts=!0,e=t
his.finishNode(r,"TSTypePredicate")):(this.resetStartLocationFromNode(e,r),e.asserts=!0),t.typeAnnotation=e,this.fi
nishNode(t,"TSTypeAnnotation")}const
i=this.tsIsIdentifier()&&this.tsTryParse(this.tsParseTypePredicatePrefix.bind(this));if(!i)return
n?(r.parameterName=this.parseIdentifier(),r.asserts=n,t.typeAnnotation=this.finishNode(r,"TSTypePredicate"),this.f
inishNode(t,"TSTypeAnnotation")):this.tsParseTypeAnnotation(!1,t);const s=this.tsParseTypeAnnotation(!1);return
r.parameterName=i,r.typeAnnotation=s,r.asserts=n,t.typeAnnotation=this.finishNode(r,"TSTypePredicate"),this.fini
shNode(t,"TSTypeAnnotation")}tsTryParseTypeOrTypePredicateAnnotation(){return
this.match(o.colon)?this.tsParseTypeOrTypePredicateAnnotation(o.colon):void
0}tsTryParseTypeAnnotation(){return this.match(o.colon)?this.tsParseTypeAnnotation():void
0}tsTryParseType(){return this.tsEatThenParseType(o.colon)}tsParseTypePredicatePrefix(){const
e=this.parseIdentifier();if(this.isContextual("is")&&!this.hasPrecedingLineBreak())return
this.next(),e}tsParseTypePredicateAsserts(){if(!this.match(o.name)||"asserts"!==this.state.value||this.hasPrecedingLi
neBreak())return!1;const e=this.state.containsEsc;return
this.next(),!(this.match(o.name)&&!this.match(o._this))&&(e&&this.raise(this.state.lastTokStart,T.InvalidEscaped
ReservedWord,"asserts"),!0)}tsParseTypeAnnotation(e=!0,t=this.startNode()){return

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this.tsInType(=>{ e&&this.expect(o.colon),t.typeAnnotation=this.tsParseType()}),this.finishNode(t,"TSTypeAnnotation")}tsParseType(){ ce(this.state.inType);const
e=this.tsParseNonConditionalType();if(this.hasPrecedingLineBreak()||!this.eat(o._extends))return e;const
t=this.startNodeAtNode(e);return
t.checkType=e,t.extendsType=this.tsParseNonConditionalType(),this.expect(o.question),t.trueType=this.tsParseType(),this.expect(o.colon),t.falseType=this.tsParseType(),this.finishNode(t,"TSConditionalType")}isAbstractConstructorSignature(){ return
this.isContextual("abstract")&&this.lookahead().type===o._new }tsParseNonConditionalType(){ return
this.tsIsStartOfFunctionType()?this.tsParseFunctionOrConstructorType("TSFunctionType"):this.match(o._new)?this.tsParseFunctionOrConstructorType("TSConstructorType"):this.isAbstractConstructorSignature()?this.tsParseFunctionOrConstructorType("TSConstructorType",!0):this.tsParseUnionTypeOrHigher()}tsParseTypeAssertion(){ const
e=this.startNode(),t=this.tsTryNextParseConstantContext();return
e.typeAnnotation=t||this.tsNextThenParseType(),this.expectRelational(">"),e.expression=this.parseMaybeUnary(),this.finishNode(e,"TSTypeAssertion")}tsParseHeritageClause(e){ const
t=this.state.start,r=this.tsParseDelimitedList("HeritageClauseElement",this.tsParseExpressionWithTypeArguments.bind(this));return
r.length||this.raise(t,pe.EmptyHeritageClauseType,e),r}tsParseExpressionWithTypeArguments(){ const
e=this.startNode();return
e.expression=this.tsParseEntityName(!1),this.isRelational("<")&&(e.typeParameters=this.tsParseTypeArguments()),this.finishNode(e,"TSExpressionWithTypeArguments")}tsParseInterfaceDeclaration(e){ e.id=this.parseIdentifier(),this.checkLVal(e.id,"typescript interface
declaration",130),e.typeParameters=this.tsTryParseTypeParameters(),this.eat(o._extends)&&(e.extends=this.tsParseHeritageClause("extends"));const t=this.startNode();return
t.body=this.tsInType(this.tsParseObjectTypeMembers.bind(this)),e.body=this.finishNode(t,"TSInterfaceBody"),this.finishNode(e,"TSInterfaceDeclaration")}tsParseTypeAliasDeclaration(e){ return
e.id=this.parseIdentifier(),this.checkLVal(e.id,"typescript type
alias",2),e.typeParameters=this.tsTryParseTypeParameters(),e.typeAnnotation=this.tsInType(=>{ if(this.expect(o.eq),this.isContextual("intrinsic")&&this.lookahead().type!==o.dot){ const e=this.startNode();return
this.next(),this.finishNode(e,"TSIntrinsicKeyword")}return
this.tsParseType()}),this.semicolon(),this.finishNode(e,"TSTypeAliasDeclaration")}tsInNoContext(e){ const
t=this.state.context;this.state.context=[t[0]];try{ return e()}finally{ this.state.context=t } }tsInType(e){ const
t=this.state.inType;this.state.inType=!0;try{ return e()}finally{ this.state.inType=t } }tsEatThenParseType(e){ return
this.match(e)?this.tsNextThenParseType():void 0 }tsExpectThenParseType(e){ return
this.tsDoThenParseType(=>this.expect(e)) }tsNextThenParseType(){ return
this.tsDoThenParseType(=>this.next()) }tsDoThenParseType(e){ return
this.tsInType(=>(e(),this.tsParseType())) }tsParseEnumMember(){ const e=this.startNode();return
e.id=this.match(o.string)?this.parseExprAtom():this.parseIdentifier(!0),this.eat(o.eq)&&(e.initializer=this.parseMaybeAssignAllowIn()),this.finishNode(e,"TSEnumMember")}tsParseEnumDeclaration(e,t){ return
t&&(e.const=!0),e.id=this.parseIdentifier(),this.checkLVal(e.id,"typescript enum
declaration",t?779:267),this.expect(o.braceL),e.members=this.tsParseDelimitedList("EnumMembers",this.tsParseEnumMember.bind(this)),this.expect(o.braceR),this.finishNode(e,"TSEnumDeclaration")}tsParseModuleBlock(){ const
e=this.startNode();return
this.scope.enter(0),this.expect(o.braceL),this.parseBlockOrModuleBlockBody(e.body=[],void
0,!0,o.braceR),this.scope.exit(),this.finishNode(e,"TSModuleBlock")}tsParseModuleOrNamespaceDeclaration(e,t=!1){ if(e.id=this.parseIdentifier(),t||this.checkLVal(e.id,"module or namespace
declaration",1024),this.eat(o.dot)){ const
t=this.startNode();this.tsParseModuleOrNamespaceDeclaration(t,!0),e.body=t} else
this.scope.enter(256),this.prodParam.enter(0),e.body=this.tsParseModuleBlock(),this.prodParam.exit(),this.scope.exi

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t();return this.finishNode(e,"TSMODULEDECLARATION")}tsParseAmbientExternalModuleDeclaration(e){return
this.isContextual("global")?(e.global=!0,e.id=this.parseIdentifier()):this.match(o.string)?e.id=this.parseExprAtom():t
his.unexpected(),this.match(o.braceL)?(this.scope.enter(256),this.prodParam.enter(0),e.body=this.tsParseModuleBlo
ck(),this.prodParam.exit(),this.scope.exit()):this.semicolon(),this.finishNode(e,"TSMODULEDECLARATION")}tsParseImp
ortEqualsDeclaration(e,t){e.isExport=t||!1,e.id=this.parseIdentifier(),this.checkLVal(e.id,"import equals
declaration",9),this.expect(o.eq);const
r=this.tsParseModuleReference();return"type"===e.importKind&&"TSEXTERNALMODULEREFERENCE"!==r.type&&this.
raise(r.start,pe.ImportAliasHasImportType),e.moduleReference=r,this.semicolon(),this.finishNode(e,"TSImportEqu
alsDeclaration")}tsIsExternalModuleReference(){return
this.isContextual("require")&&40===this.lookaheadCharCode()}tsParseModuleReference(){return
this.tsIsExternalModuleReference()?this.tsParseExternalModuleReference():this.tsParseEntityName(!1)}tsParseExte
rnalModuleReference(){const
e=this.startNode();if(this.expectContextual("require"),this.expect(o.parenL,!this.match(o.string))throw
this.unexpected());return
e.expression=this.parseExprAtom(),this.expect(o.parenR),this.finishNode(e,"TSEXTERNALMODULEREFERENCE")}tsLook
Ahead(e){const t=this.state.clone(),r=e();return this.state=t,r}tsTryParseAndCatch(e){const
t=this.tryParse(t=>e)||t();if(!t.aborted&&t.node)return t.error&&(this.state=t.failState),t.node}tsTryParse(e){const
t=this.state.clone(),r=e();return void
0!==(r&&!1)!==(r?:void(this.state=t))}tsTryParseDeclare(e){if(this.isLineTerminator())return;let
t,r=this.state.type;return this.isContextual("let")&&(r=o._var,t="let"),this.tsInAmbientContext(=>{switch(r){case
o._function:return e.declare=!0,this.parseFunctionStatement(e,!1,!0);case o._class:return
e.declare=!0,this.parseClass(e,!0,!1);case
o._const;if(this.match(o._const)&&this.isLookaheadContextual("enum"))return
this.expect(o._const),this.expectContextual("enum"),this.tsParseEnumDeclaration(e,!0);case o._var:return
t=t||this.state.value,this.parseVarStatement(e,t);case o.name:{const
t=this.state.value;return"global"===t?this.tsParseAmbientExternalModuleDeclaration(e):this.tsParseDeclaration(e,t,
!0)}})}tsTryParseExportDeclaration(){return
this.tsParseDeclaration(this.startNode(),this.state.value,!0)}tsParseExpressionStatement(e,t){switch(t.name){case"de
clare":{const t=this.tsTryParseDeclare(e);if(t)return
t.declare=!0,t;break}case"global":if(this.match(o.braceL)){this.scope.enter(256),this.prodParam.enter(0);const
r=e;return
r.global=!0,r.id=t,r.body=this.tsParseModuleBlock(),this.scope.exit(),this.prodParam.exit(),this.finishNode(r,"TSMo
duleDeclaration")}break;default:return
this.tsParseDeclaration(e,t.name,!1)}tsParseDeclaration(e,t,r){switch(t){case"abstract":if(this.tsCheckLineTermina
tor(r)&&(this.match(o._class)||this.match(o.name)))return
this.tsParseAbstractDeclaration(e);break;case"enum":if(r||this.match(o.name))return
r&&this.next(),this.tsParseEnumDeclaration(e,!1);break;case"interface":if(this.tsCheckLineTerminator(r)&&this.ma
tch(o.name))return
this.tsParseInterfaceDeclaration(e);break;case"module":if(this.tsCheckLineTerminator(r)){if(this.match(o.string))ret
urn this.tsParseAmbientExternalModuleDeclaration(e);if(this.match(o.name))return
this.tsParseModuleOrNamespaceDeclaration(e)}break;case"namespace":if(this.tsCheckLineTerminator(r)&&this.m
atch(o.name))return
this.tsParseModuleOrNamespaceDeclaration(e);break;case"type":if(this.tsCheckLineTerminator(r)&&this.match(o.
name))return this.tsParseTypeAliasDeclaration(e)}tsCheckLineTerminator(e){return
e?!this.hasFollowingLineBreak()&&(this.next(),!0):!this.isLineTerminator()}tsTryParseGenericAsyncArrowFunction
(e,t){if(!this.isRelational("<"))return;const
r=this.state.maybeInArrowParameters;this.state.maybeInArrowParameters=!0;const
n=this.tsTryParseAndCatch(=>{const r=this.startNodeAt(e,t);return

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r.typeParameters=this.tsParseTypeParameters(),super.parseFunctionParams(r),r.returnType=this.tsTryParseTypeOr
TypePredicateAnnotation(),this.expect(o.arrow,r));return
this.state.maybeInArrowParameters=r,n?this.parseArrowExpression(n,null,!0):void
0}tsParseTypeArguments(){const e=this.startNode();return
e.params=this.tsInType(=>this.tsInNoContext(=>(this.expectRelational("<"),this.tsParseDelimitedList("TypePar
ametersOrArguments",this.tsParseType.bind(this))))),0===e.params.length&&this.raise(e.start,pe.EmptyTypeArgu
ments),this.state.exprAllowed=!1,this.expectRelational(">"),this.finishNode(e,"TSTypeParameterInstantiation")}tsIs
DeclarationStart(){if(this.match(o.name))switch(this.state.value){case"abstract":case"declare":case"enum":case"inte
rface":case"module":case"namespace":case"type":return!0}return!1}isExportDefaultSpecifier(){return!this.tsIsDecl
arationStart()&&super.isExportDefaultSpecifier()}parseAssignableListItem(e,t){const
r=this.state.start,n=this.state.startLoc;let i,s=!1;void
0!==(e&&(i=this.parseAccessModifier(),s=!1this.tsParseModifier(["readonly"]),!1===e&&(i||s)&&this.raise(r,pe.Un
expectedParameterModifier));const a=this.parseMaybeDefault();this.parseAssignableListItemTypes(a);const
o=this.parseMaybeDefault(a.start,a.loc.start,a);if(i||s){const e=this.startNodeAt(r,n);return
t.length&&(e.decorators=t),i&&(e.accessibility=i),s&&(e.readonly=s),"Identifier"!==o.type&&"AssignmentPattern
"!==o.type&&this.raise(e.start,pe.UnsupportedParameterPropertyKind),e.parameter=o,this.finishNode(e,"TSParamete
rProperty")}return
t.length&&(a.decorators=t),o}parseFunctionBodyAndFinish(e,t,r=!1){this.match(o.colon)&&(e.returnType=this.tsP
arseTypeOrTypePredicateAnnotation(o.colon));const
n="FunctionDeclaration"===t?"TSDeclareFunction":"ClassMethod"===t?"TSDeclareMethod":void
0;n&&!this.match(o.braceL)&&this.isLineTerminator()?this.finishNode(e,n):"TSDeclareFunction"===n&&this.stat
e.isAmbientContext&&(this.raise(e.start,pe.DeclareFunctionHasImplementation),e.declare)?super.parseFunctionBo
dyAndFinish(e,n,r):super.parseFunctionBodyAndFinish(e,t,r)}registerFunctionStatementId(e){!e.body&&e.id?this.c
heckLVal(e.id,"function
name",1024):super.registerFunctionStatementId(...arguments)}tsCheckForInvalidTypeCasts(e){e.forEach(e=>{"TS
TypeCastExpression"===e?(null===e?void
0:e.type)&&this.raise(e.typeAnnotation.start,pe.UnexpectedTypeAnnotation))}toReferencedList(e,t){return
this.tsCheckForInvalidTypeCasts(e),e}parseArrayLike(...e){const
t=super.parseArrayLike(...e);return"ArrayExpression"===t.type&&this.tsCheckForInvalidTypeCasts(t.elements),t}p
arseSubscript(e,t,r,n,i){if(!this.hasPrecedingLineBreak()&&this.match(o.bang)){this.state.exprAllowed=!1,this.next
();const n=this.startNodeAt(t,r);return
n.expression=e,this.finishNode(n,"TSNonNullExpression")}if(this.isRelational("<")){const
s=this.tsTryParseAndCatch(=>{if(!n&&this.atPossibleAsyncArrow(e)){const
e=this.tsTryParseGenericAsyncArrowFunction(t,r);if(e)return e}const s=this.startNodeAt(t,r);s.callee=e;const
a=this.tsParseTypeArguments();if(a){if(!n&&this.eat(o.parenL))return
s.arguments=this.parseCallExpressionArguments(o.parenR,!1),this.tsCheckForInvalidTypeCasts(s.arguments),s.ty
peParameters=a,i.optionalChainMember&&(s.optional=!1),this.finishCallExpression(s,i.optionalChainMember);if(thi
s.s.match(o.backQuote)){const n=this.parseTaggedTemplateExpression(e,t,r,i);return
n.typeParameters=a,n}}this.unexpected());if(s)return s}return
super.parseSubscript(e,t,r,n,i)}parseNewArguments(e){if(this.isRelational("<")){const
t=this.tsTryParseAndCatch(=>{const e=this.tsParseTypeArguments();return
this.match(o.parenL)||this.unexpected(),e});t&&(e.typeParameters=t)}super.parseNewArguments(e)}parseExprOp(e
,t,r,n){if((e._in.binop)>n&&!this.hasPrecedingLineBreak()&&this.isContextual("as")){const
i=this.startNodeAt(t,r);i.expression=e;const s=this.tsTryNextParseConstantContext();return
i.typeAnnotation=s||this.tsNextThenParseType(),this.finishNode(i,"TSAsExpression"),this.reScan_lt_gt(),this.parse
ExprOp(i,t,r,n)}return
super.parseExprOp(e,t,r,n)}checkReservedWord(e,t,r,n){}checkDuplicateExports(){}parseImport(e){if(e.importKin
d="value",this.match(o.name)||this.match(o.star)||this.match(o.braceL)){let

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t=this.lookahead();if(!this.isContextual("type"))|t.type===o.comma|t.type===o.name&&"from"===t.value|t.type===o.eq|(e.importKind="type",this.next(),t=this.lookahead()),this.match(o.name)&&t.type===o.eq)return
this.tsParseImportEqualsDeclaration(e)}const
t=super.parseImport(e);return"type"===t.importKind&&t.specifiers.length>1&&"ImportDefaultSpecifier"===t.specifiers[0].type&&this.raise(t.start,pe.TypeImportCannotSpecifyDefaultAndNamed,t)parseExport(e){if(this.match(o._import))return
this.next(),this.isContextual("type")&&61!==(this.lookaheadCharCode()?(e.importKind="type",this.next()):e.importKind="value",this.tsParseImportEqualsDeclaration(e,!0);if(this.eat(o.eq)){const t=e;return
t.expression=this.parseExpression(),this.semicolon(),this.finishNode(t,"TSExportAssignment")}if(this.eatContextual("as")){const t=e;return
this.expectContextual("namespace"),t.id=this.parseIdentifier(),this.semicolon(),this.finishNode(t,"TSNamespaceExportDeclaration")}return
this.isContextual("type")&&this.lookahead().type===o.braceL?(this.next(),e.exportKind="type"):e.exportKind="value",super.parseExport(e)}isAbstractClass(){return
this.isContextual("abstract")&&this.lookahead().type===o._class}parseExportDefaultExpression(){if(this.isAbstractClass()){const e=this.startNode();return
this.next(),e.abstract=!0,this.parseClass(e,!0,!0),e}if("interface"===this.state.value){const
e=this.tsParseDeclaration(this.startNode(),this.state.value,!0);if(e)return e}return
super.parseExportDefaultExpression()}parseStatementContent(e,t){if(this.state.type===o._const){const
e=this.lookahead();if(e.type===o.name&&"enum"===e.value){const e=this.startNode();return
this.expect(o._const),this.expectContextual("enum"),this.tsParseEnumDeclaration(e,!0)}return
super.parseStatementContent(e,t)parseAccessModifier(){return
this.tsParseModifier(["public","protected","private"])}tsHasSomeModifiers(e,t){return
t.some(t=>ue(t)?e.accessibility===t:!e[t])}parseClassMember(e,t,r){const
n=["declare","private","public","protected","override","abstract","readonly"];this.tsParseModifiers(t,n.concat(["static"]));const i=()=>{const
i=!t.static;i&&this.eat(o.braceL)?(this.tsHasSomeModifiers(t,n)&&this.raise(this.state.pos,pe.StaticBlockCannotHaveModifier),this.parseClassStaticBlock(e,t)):this.parseClassMemberWithIsStatic(e,t,r,i)};t.declare?this.tsInAmbientContext(i:i)}parseClassMemberWithIsStatic(e,t,r,n){const i=this.tsTryParseIndexSignature(t);if(i)return
e.body.push(i),t.abstract&&this.raise(t.start,pe.IndexSignatureHasAbstract),t.accessibility&&this.raise(t.start,pe.IndexSignatureHasAccessibility,t.accessibility),t.declare&&this.raise(t.start,pe.IndexSignatureHasDeclare),void(t.override&&this.raise(t.start,pe.IndexSignatureHasOverride));!this.state.inAbstractClass&&t.abstract&&this.raise(t.start,pe.NonAbstractClassHasAbstractMethod),t.override&&(r.hadSuperClass|this.raise(t.start,pe.OverrideNotInSubClass)),super.parseClassMemberWithIsStatic(e,t,r,n)}parsePostMemberNameModifiers(e){this.eat(o.question)&&(e.optional=!0),e.readonly&&this.match(o.parenL)&&this.raise(e.start,pe.ClassMethodHasReadonly),e.declare&&this.match(o.parenL)&&this.raise(e.start,pe.ClassMethodHasDeclare)}parseExpressionStatement(e,t){return("Identifier"===t.type?this.tsParseExpressionStatement(e,t):void
0)||super.parseExpressionStatement(e,t)}shouldParseExportDeclaration(){return!!this.tsIsDeclarationStart()||super.shouldParseExportDeclaration()}parseConditional(e,t,r,n){if(!n||this.match(o.question))return
super.parseConditional(e,t,r,n);const i=this.tryParse(=>super.parseConditional(e,t,r));return
i.node?(i.error&&(this.state=i.failState),i.node):(n.start=i.error.pos||this.state.start,e)}parseParenItem(e,t,r){if(e=super.parseParenItem(e,t,r),this.eat(o.question)&&(e.optional=!0,this.resetEndLocation(e)),this.match(o.colon)){const
n=this.startNodeAt(t,r);return
n.expression=e,n.typeAnnotation=this.tsParseTypeAnnotation(),this.finishNode(n,"TSTypeCastExpression")}return
e}parseExportDeclaration(e){const
t=this.state.start,r=this.state.startLoc,n=this.eatContextual("declare");if(n&&(this.isContextual("declare")||this.shouldParseExportDeclaration()))throw this.raise(this.state.start,pe.ExpectedAmbientAfterExportDeclare);let i;return
this.match(o.name)&&(i=this.tsTryParseExportDeclaration()),i||(i=super.parseExportDeclaration(e)),i&&("TSInterf

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aceDeclaration"===i.type||"TSTypeAliasDeclaration"===i.type||n)&&(e.exportKind="type"),i&&n&&(this.resetStartLocation(i,t,r),i.declare=!0),i)parseClassId(e,t,r){if(!t||r)&&this.isContextual("implements")}return;super.parseClassId(e,t,r,e.declare?1024:139);const
n=this.tsTryParseTypeParameters();n&&(e.typeParameters=n)}parseClassPropertyAnnotation(e){!e.optional&&this.eat(o.bang)&&(e.definite=!0);const
t=this.tsTryParseTypeAnnotation();t&&(e.typeAnnotation=t)}parseClassProperty(e){return
this.parseClassPropertyAnnotation(e),this.state.isAmbientContext&&this.match(o.eq)&&this.raise(this.state.start,pe.DeclareClassFieldHasInitializer),super.parseClassProperty(e)}parseClassPrivateProperty(e){return
e.abstract&&this.raise(e.start,pe.PrivateElementHasAbstract),e.accessibility&&this.raise(e.start,pe.PrivateElementHasAccessibility,e.accessibility),this.parseClassPropertyAnnotation(e),super.parseClassPrivateProperty(e)}pushClassMethod(e,t,r,n,i,s){const
a=this.tsTryParseTypeParameters();a&&i&&this.raise(a.start,pe.ConstructorHasTypeParameters,!t.declare||"get"!=t.kind&&"set"!=t.kind||this.raise(t.start,pe.DeclareAccessor,t.kind),a&&(t.typeParameters=a),super.pushClassMethod(e,t,r,n,i,s)}pushClassPrivateMethod(e,t,r,n){const
i=this.tsTryParseTypeParameters();i&&(t.typeParameters=i),super.pushClassPrivateMethod(e,t,r,n)}parseClassSuper(e){super.parseClassSuper(e),e.superClass&&this.isRelational("<")&&(e.superTypeParameters=this.tsParseTypeArguments()),this.eatContextual("implements")&&(e.implements=this.tsParseHeritageClause("implements"))}parseObjPropValue(e,...t){const
r=this.tsTryParseTypeParameters();r&&(e.typeParameters=r),super.parseObjPropValue(e,...t)}parseFunctionParams(e,t){const
r=this.tsTryParseTypeParameters();r&&(e.typeParameters=r),super.parseFunctionParams(e,t)}parseVarId(e,t){super.parseVarId(e,t),"Identifier"===e.id.type&&this.eat(o.bang)&&(e.definite=!0);const
r=this.tsTryParseTypeAnnotation();r&&(e.id.typeAnnotation=r,this.resetEndLocation(e.id))}parseAsyncArrowFromCallExpression(e,t){return
this.match(o.colon)&&(e.returnType=this.tsParseTypeAnnotation()),super.parseAsyncArrowFromCallExpression(e,t)}parseMaybeAssign(...e){var t,r,n,i,s,a,l;let
c,p,u,d;if(this.hasPlugin("jsx")&&(this.match(o.jsxTagStart)||this.isRelational("<"))){if(c=this.state.clone(),p=this.tryParse(=>super.parseMaybeAssign(...e),c),!p.error)return p.node;const{context:t}=this.state;t[t.length-1]===x.j_oTag?t.length-=2:t[t.length-1]===x.j_expr&&(t.length-=1)}if(!(null!=(t=p)&&t.error||this.isRelational("<"))return
super.parseMaybeAssign(...e);c=c||this.state.clone();const h=this.tryParse(t=>{var
r,n;d=this.tsParseTypeParameters();const
i=super.parseMaybeAssign(...e);return("ArrowFunctionExpression"!==i.type||null!=(r=i.extra)&&r.parenthesized)&&t(),0!==(null==(n=d)?void
0:n.params.length)&&this.resetStartLocationFromNode(i,d),i.typeParameters=d,i},c);if(!h.error&&!h.aborted)return
h.node;if(!p&&(ce(!this.hasPlugin("jsx")),u=this.tryParse(=>super.parseMaybeAssign(...e),c),!u.error))return
u.node;if(null!=(r=p)&&r.node)return this.state=p.failState,p.node;if(h.node)return
this.state=h.failState,h.node;if(null!=(n=u)&&n.node)return
this.state=u.failState,u.node;if(null!=(i=p)&&i.thrown)throw p.error;if(h.thrown)throw
h.error;if(null!=(s=u)&&s.thrown)throw u.error;throw(null==(a=p)?void 0:a.error)||h.error||(null==(l=u)?void
0:l.error)}parseMaybeUnary(e){return!this.hasPlugin("jsx")&&this.isRelational("<")?this.tsParseTypeAssertion():super.parseMaybeUnary(e)}parseArrow(e){if(this.match(o.colon)){const t=this.tryParse(e=>{const
t=this.tsParseTypeOrTypePredicateAnnotation(o.colon);return!this.canInsertSemicolon()&&this.match(o.arrow)||e(),t});if(t.aborted)return;t.throw||(t.error&&(this.state=t.failState),e.returnType=t.node)}return
super.parseArrow(e)}parseAssignableListItemTypes(e){this.eat(o.question)&&("Identifier"===e.type||this.state.isAmbientContext||this.state.inType||this.raise(e.start,pe.PatternIsOptional),e.optional=!0);const
t=this.tsTryParseTypeAnnotation();return
t&&(e.typeAnnotation=t),this.resetEndLocation(e),e}toAssignable(e,t=!1){switch(e.type){case"TSTypeCastExpress

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ion":return super.toAssignable(this.typeCastToParameter(e),t);case"TSParameterProperty":return
super.toAssignable(e,t);case"ParenthesizedExpression":return
this.toAssignableParenthesizedExpression(e,t);case"TSAsExpression":case"TSNonNullExpression":case"TSTypeAs
sertion":return e.expression=this.toAssignable(e.expression,t),e;default:return
super.toAssignable(e,t) } toAssignableParenthesizedExpression(e,t){ switch(e.expression.type){ case"TSAsExpressio
n":case"TSNonNullExpression":case"TSTypeAssertion":case"ParenthesizedExpression":return
e.expression=this.toAssignable(e.expression,t),e;default:return super.toAssignable(e,t) } checkLVal(e,t,...r){ var
n;switch(e.type){ case"TSTypeCastExpression":return;case"TSParameterProperty":return void
this.checkLVal(e.parameter,"parameter
property",...r);case"TSAsExpression":case"TSTypeAssertion":if(!r[0]||"parenthesized
expression"===t||null!=(n=e.extra)&&n.parenthesized)){ this.raise(e.start,T.InvalidLhs,t);break }return void
this.checkLVal(e.expression,"parenthesized expression",...r);case"TSNonNullExpression":return void
this.checkLVal(e.expression,t,...r);default:return void
super.checkLVal(e,t,...r) } } parseBindingAtom(){ switch(this.state.type){ case o._this:return
this.parseIdentifier(!0);default:return
super.parseBindingAtom() } } parseMaybeDecoratorArguments(e){ if(this.isRelational("<")){ const
t=this.tsParseTypeArguments();if(this.match(o.parenL)){ const r=super.parseMaybeDecoratorArguments(e);return
r.typeParameters=t,r } this.unexpected(this.state.start,o.parenL) } return
super.parseMaybeDecoratorArguments(e) } checkCommaAfterRest(e){ this.state.isAmbientContext&&this.match(o.c
omma)&&this.lookaheadCharCode()===e?this.next():super.checkCommaAfterRest(e) } isClassMethod(){ return
this.isRelational("<")||super.isClassMethod() } isClassProperty(){ return
this.match(o.bang)||this.match(o.colon)||super.isClassProperty() } parseMaybeDefault(...e){ const
t=super.parseMaybeDefault(...e);return"AssignmentPattern"===t.type&&t.typeAnnotation&&t.right.start<t.typeAn
notation.start&&this.raise(t.typeAnnotation.start,pe.TypeAnnotationAfterAssign),t } getTokenFromCode(e){ return!t
his.state.inType||62!==e&&60!==e?super.getTokenFromCode(e):this.finishOp(o.relational,1) } reScan_lt_gt(){ if(this
.match(o.relational)){ const e=this.input.charCodeAtAt(this.state.start);60!==e&&62!==e||(this.state.pos-
=1,this.readToken_lt_gt(e)) } } toAssignableList(e){ for(let t=0;t<e.length;t++){ const
r=e[t];if(r)switch(r.type){ case"TSTypeCastExpression":e[t]=this.typeCastToParameter(r);break;case"TSAsExpressi
on":case"TSTypeAssertion":this.state.maybeInArrowParameters?this.raise(r.start,pe.UnexpectedTypeCastInParamet
er):e[t]=this.typeCastToParameter(r) } } return super.toAssignableList(...arguments) } typeCastToParameter(e){ return
e.expression.typeAnnotation=e.typeAnnotation,this.resetEndLocation(e.expression,e.typeAnnotation.end,e.typeAnn
otation.loc.end),e.expression } shouldParseArrow(){ return
this.match(o.colon)||super.shouldParseArrow() } shouldParseAsyncArrow(){ return
this.match(o.colon)||super.shouldParseAsyncArrow() } canHaveLeadingDecorator(){ return
super.canHaveLeadingDecorator()||this.isAbstractClass() } jsxParseOpeningElementAfterName(e){ if(this.isRelational("<")){ const t=this.tsTryParseAndCatch(=>this.tsParseTypeArguments());t&&(e.typeParameters=t) } return
super.jsxParseOpeningElementAfterName(e) } getGetterSetterExpectedParamCount(e){ const
t=super.getGetterSetterExpectedParamCount(e),r=this.getObjectOrClassMethodParams(e)[0];return
r&&this.isThisParam(r)?t+1:t } parseCatchClauseParam(){ const
e=super.parseCatchClauseParam(),t=this.tsTryParseTypeAnnotation();return
t&&(e.typeAnnotation=t,this.resetEndLocation(e)),e } tsInAmbientContext(e){ const
t=this.state.isAmbientContext;this.state.isAmbientContext=!0;try { return
e() } finally { this.state.isAmbientContext=t } } parseClass(e,...t){ const
r=this.state.inAbstractClass;this.state.inAbstractClass=!e.abstract;try { return
super.parseClass(e,...t) } finally { this.state.inAbstractClass=r } } tsParseAbstractDeclaration(e){ if(this.match(o._class))r
eturn e.abstract=!0,this.parseClass(e,!0,!1);if(this.isContextual("interface")){ if(!this.hasFollowingLineBreak())return
e.abstract=!0,this.raise(e.start,pe.NonClassMethodPropertyHasAbstractModifier),this.next(),this.tsParseInterfaceDecl
aration(e) } else this.unexpected(null,o._class) } parseMethod(...e){ const

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t=super.parseMethod(...e);if(t.abstract){if(this.hasPlugin("estree")?!t.value.body:!!t.body){const{key:e}=t;this.raise
(t.start,pe.AbstractMethodHasImplementation,"Identifier"===e.type?e.name:`[${this.input.slice(e.start,e.end)}]`)}r
return t}shouldParseAsAmbientContext(){return!!this.getPluginOption("typescript","dts")}parse(){return
this.shouldParseAsAmbientContext()&&(this.state.isAmbientContext=!0),super.parse()}getExpression(){return
this.shouldParseAsAmbientContext()&&(this.state.isAmbientContext=!0),super.getExpression()}}v8intrinsic:e=>cl
ass extends e{parseV8Intrinsic(){if(this.match(o.modulo)){const
e=this.state.start,t=this.startNode();if(this.eat(o.modulo),this.match(o.name)){const
e=this.parseIdentifierName(this.state.start,r=this.createIdentifier(t,e);if(r.type="V8IntrinsicIdentifier",this.match(o.
parenL))return r}this.unexpected(e)}}parseExprAtom(){return
this.parseV8Intrinsic()||super.parseExprAtom(...arguments)}}placeholders:e=>class extends
e{parsePlaceholder(e){if(this.match(o.placeholder)){const t=this.startNode();return
this.next(),this.assertNoSpace("Unexpected space in
placeholder."),t.name=super.parseIdentifier(!0),this.assertNoSpace("Unexpected space in
placeholder."),this.expect(o.placeholder),this.finishPlaceholder(t,e)}}finishPlaceholder(e,t){const
r=!(/e.expectedNode||"Placeholder"!==e.type);return
e.expectedNode=t,r?e:this.finishNode(e,"Placeholder")}getTokenFromCode(e){return
37===e&&37===this.input.charCodeAtAt(this.state.pos+1)?this.finishOp(o.placeholder,2):super.getTokenFromCode(
...arguments)}parseExprAtom(){return
this.parsePlaceholder("Expression")||super.parseExprAtom(...arguments)}parseIdentifier(){return
this.parsePlaceholder("Identifier")||super.parseIdentifier(...arguments)}checkReservedWord(e){void
0!==e&&super.checkReservedWord(...arguments)}parseBindingAtom(){return
this.parsePlaceholder("Pattern")||super.parseBindingAtom(...arguments)}checkLVal(e){"Placeholder"!==e.type&&s
uper.checkLVal(...arguments)}toAssignable(e){return
e&&"Placeholder"===e.type&&"Expression"===e.expectedNode?(e.expectedNode="Pattern",e):super.toAssignabl
e(...arguments)}isLet(e){if(super.isLet(e))return!0;if(!this.isContextual("let"))return!1;if(e)return!1;return
this.lookahead().type===o.placeholder}verifyBreakContinue(e){e.label&&"Placeholder"===e.label.type||super.veri
fyBreakContinue(...arguments)}parseExpressionStatement(e,t){if("Placeholder"!==t.type||t.extra&&t.extra.parenthe
sized)return super.parseExpressionStatement(...arguments);if(this.match(o.colon)){const r=e;return
r.label=this.finishPlaceholder(t,"Identifier"),this.next(),r.body=this.parseStatement("label"),this.finishNode(r,"Label
edStatement")}return this.semicolon(),e.name=t.name,this.finishPlaceholder(e,"Statement")}parseBlock(){return
this.parsePlaceholder("BlockStatement")||super.parseBlock(...arguments)}parseFunctionId(){return
this.parsePlaceholder("Identifier")||super.parseFunctionId(...arguments)}parseClass(e,t,r){const
n=t?"ClassDeclaration":"ClassExpression";this.next(),this.takeDecorators(e);const
i=this.state.strict,s=this.parsePlaceholder("Identifier");if(s)if(this.match(o._extends)||this.match(o.placeholder)||this.
match(o.braceL))e.id=s;else{if(r||t)return
e.id=null,e.body=this.finishPlaceholder(s,"ClassBody"),this.finishNode(e,n);this.unexpected(null,de.ClassNameIsRe
quired)}else this.parseClassId(e,t,r);return
this.parseClassSuper(e),e.body=this.parsePlaceholder("ClassBody")||this.parseClassBody(!e.superClass,i),this.finis
hNode(e,n)}parseExport(e){const t=this.parsePlaceholder("Identifier");if(!t)return
super.parseExport(...arguments);if(!this.isContextual("from")&&!this.match(o.comma))return
e.specifiers=[],e.source=null,e.declaration=this.finishPlaceholder(t,"Declaration"),this.finishNode(e,"ExportNamed
Declaration");this.expectPlugin("exportDefaultFrom");const r=this.startNode();return
r.exported=t,e.specifiers=[this.finishNode(r,"ExportDefaultSpecifier"),super.parseExport(e)}isExportDefaultSpecifi
er(){if(this.match(o._default)){const
e=this.nextTokenStart();if(this.isUnparsedContextual(e,"from")&&this.input.startsWith(o.placeholder.label,this.next
TokenStartSince(e+4)))return!0}return
super.isExportDefaultSpecifier()}maybeParseExportDefaultSpecifier(e){return!(e.specifiers&&e.specifiers.length>
0)||super.maybeParseExportDefaultSpecifier(...arguments)}checkExport(e){const{specifiers:t}=e;null!=t&&t.length

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&&(e.specifiers=t.filter(e=>"Placeholder"===e.exported.type)),super.checkExport(e),e.specifiers=t)parseImport(e){
const t=this.parsePlaceholder("Identifier");if(!t)return
super.parseImport(...arguments);if(e.specifiers=[],!this.isContextual("from")&&!this.match(o.comma))return
e.source=this.finishPlaceholder(t,"StringLiteral"),this.semicolon(),this.finishNode(e,"ImportDeclaration");const
r=this.startNodeAtNode(t);if(r.local=t,this.finishNode(r,"ImportDefaultSpecifier"),e.specifiers.push(r),this.eat(o.com
ma)){this.maybeParseStarImportSpecifier(e)||this.parseNamedImportSpecifiers(e)}return
this.expectContextual("from"),e.source=this.parseImportSource(),this.semicolon(),this.finishNode(e,"ImportDeclara
tion")}parseImportSource(){return
this.parsePlaceholder("StringLiteral")||super.parseImportSource(...arguments)}}},be=Object.keys(Te),ge={sourceTy
pe:"script",sourceFilename:void
0,startLine:1,allowAwaitOutsideFunction:!1,allowReturnOutsideFunction:!1,allowImportExportEverywhere:!1,allo
wSuperOutsideMethod:!1,allowUndeclaredExports:!1,plugins:[],strictMode:null,ranges:!1,tokens:!1,createParenthes
izedExpressions:!1,errorRecovery:!1};class Se{constructor(){this.strict=void 0,this.curLine=void
0,this.startLoc=void 0,this.endLoc=void 0,this.errors=[],this.potentialArrowAt=-
1,this.noArrowAt=[],this.noArrowParamsConversionAt=[],this.maybeInArrowParameters=!1,this.inPipeline=!1,this
.inType=!1,this.noAnonFunctionType=!1,this.inPropertyName=!1,this.hasFlowComment=!1,this.isAmbientContext
=!1,this.inAbstractClass=!1,this.topicContext={maxNumOfResolvableTopics:0,maxTopicIndex:null},this.soloAwait
=!1,this.inSharpPipelineDirectBody=!1,this.labels=[],this.decoratorStack=[[]],this.comments=[],this.trailingCom
ments=[],this.leadingComments=[],this.commentStack=[],this.commentPreviousNode=null,this.pos=0,this.lineStart
=0,this.type=o.eof,this.value=null,this.start=0,this.end=0,this.lastTokEndLoc=null,this.lastTokStartLoc=null,this.la
stTokStart=0,this.lastTokEnd=0,this.context=[x.braceStatement],this.exprAllowed=!0,this.containsEsc=!1,this.strictE
rrors=new
Map,this.exportedIdentifiers=[],this.tokensLength=0}init(e){this.strict=!1!==e.strictMode&&"module"===e.source
Type,this.curLine=e.startLine,this.startLoc=this.endLoc=this.curPosition()}curPosition(){return new
h(this.curLine,this.pos-this.lineStart)}clone(e){const t=new Se,r=Object.keys(this);for(let
n=0,i=r.length;n<i;n++){const i=r[n];let s=this[i];!e&&Array.isArray(s)&&(s=s.slice()),t[i]=s}return t}}var
xe=function(e){return e>=48&&e<=57};const Ee=new
Set(["g","m","s","i","y","u"]),Pe={decBinOct:[46,66,69,79,95,98,101,111],hex:[46,88,95,120]},ve={bin:[48,49]};ve
.oct=[...ve.bin,50,51,52,53,54,55],ve.dec=[...ve.oct,56,57],ve.hex=[...ve.dec,65,66,67,68,69,70,97,98,99,100,101,102
];class Ae{constructor(e){this.type=e.type,this.value=e.value,this.start=e.start,this.end=e.end,this.loc=new
f(e.startLoc,e.endLoc)}}class we{constructor(){this.privateNames=new Set,this.loneAccessors=new
Map,this.undefinedPrivateNames=new Map}}class
Oe{constructor(e){this.stack=[],this.undefinedPrivateNames=new Map,this.raise=e}current(){return
this.stack[this.stack.length-1]}enter(){this.stack.push(new we)}exit(){const
e=this.stack.pop(),t=this.current();for(const[r,n]of
Array.from(e.undefinedPrivateNames))t.undefinedPrivateNames.has(r)||t.undefinedPrivateNames.set(r,n):this.raise
(n,T.InvalidPrivateFieldResolution,r)}declarePrivateName(e,t,r){const n=this.current();let
i=n.privateNames.has(e);if(3&t){const r=i&&n.loneAccessors.get(e);if(r){const
s=4&r,a=4&t;i=(3&r)===(3&t)||s!==a,i||n.loneAccessors.delete(e)}else
i||n.loneAccessors.set(e,t)}i&&this.raise(r,T.PrivateNameRedeclaration,e),n.privateNames.add(e),n.undefinedPrivat
eNames.delete(e)}usePrivateName(e,t){let r;for(r of
this.stack)if(r.privateNames.has(e))return;r?r.undefinedPrivateNames.set(e,t):this.raise(t,T.InvalidPrivateFieldResol
ution,e)}class Ie{constructor(e=0){this.type=void 0,this.type=e}canBeArrowParameterDeclaration(){return
2===this.type||1===this.type}isCertainlyParameterDeclaration(){return 3===this.type}}class Ce extends
Ie{constructor(e){super(e),this.errors=new
Map}recordDeclarationError(e,t){this.errors.set(e,t)}clearDeclarationError(e){this.errors.delete(e)}iterateErrors(e){t
his.errors.forEach(e)}class Ne{constructor(e){this.stack=[new
Ie],this.raise=e}enter(e){this.stack.push(e)}exit(){this.stack.pop()}recordParameterInitializerError(e,t){const{stack:r

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}=this;let n=r.length-
1,i=r[n];for(;;!i.isCertainlyParameterDeclaration());{if(!i.canBeArrowParameterDeclaration())return;i.recordDeclarat
ionError(e,t),i=r[--n]}this.raise(e,t)}recordParenthesizedIdentifierError(e,t){const{stack:r}=this,n=r[r.length-
1];if(n.isCertainlyParameterDeclaration())this.raise(e,t);else{if(!n.canBeArrowParameterDeclaration())return;n.recor
dDeclarationError(e,t)}recordAsyncArrowParametersError(e,t){const{stack:r}=this;let n=r.length-
1,i=r[n];for(;;i.canBeArrowParameterDeclaration());2===i.type&&i.recordDeclarationError(e,t),i=r[--
n]}validateAsPattern(){const{stack:e}=this,t=e[e.length-
1];t.canBeArrowParameterDeclaration()&&t.iterateErrors((t,r)=>{this.raise(r,t);let n=e.length-
2,i=e[n];for(;;i.canBeArrowParameterDeclaration());i.clearDeclarationError(r),i=e[--n]}}function ke(){return new
Ie}class De{constructor(){this.shorthandAssign=-1,this.doubleProto=-1}}class _e{constructor(e,t,r){this.type=void
0,this.start=void 0,this.end=void 0,this.loc=void 0,this.range=void 0,this.leadingComments=void
0,this.trailingComments=void 0,this.innerComments=void 0,this.extra=void
0,this.type="",this.start=t,this.end=0,this.loc=new
f(r),null!=e&&e.options.ranges&&(this.range=[t,0]),null!=e&&e.filename&&(this.loc.filename=e.filename)}__clon
e(){const e=new _e,t=Object.keys(this);for(let r=0,n=t.length;r<n;r++){const
n=t[r];"leadingComments"!==n&&"trailingComments"!==n&&"innerComments"!==n&&(e[n]=this[n])}return
e}const Le=e=>"ParenthesizedExpression"===e.type?Le(e.expression):e;const
Me={kind:"loop"},je={kind:"switch"},Fe=/[\\uD800-\\uDFFF]/u;class Re extends class extends class extends class
extends class extends class extends class extends class extends class extends class extends class extends
class{constructor(){this.sawUnambiguousESM=!1,this.ambiguousScriptDifferentAst=!1}hasPlugin(e){return
this.plugins.has(e)}getPluginOption(e,t){if(this.hasPlugin(e))return
this.plugins.get(e)[t]}addComment(e){this.filename&&(e.loc.filename=this.filename),this.state.trailingComments
.push(e),this.state.leadingComments.push(e)}adjustCommentsAfterTrailingComma(e,t,r){if(0===this.state.leadingC
omments.length)return;let n=null,i=t.length;for(;;null===n&&i>0;)n=t[--i];if(null===n)return;for(let
e=0;e<this.state.leadingComments.length;e++)this.state.leadingComments[e].end<this.state.commentPreviousNode.
end&&(this.state.leadingComments.splice(e,1),e--);const s=[];for(let
t=0;t<this.state.leadingComments.length;t++){const
n=this.state.leadingComments[t];n.end<e.end?(s.push(n),r||(this.state.leadingComments.splice(t,1),t--):(void
0===e.trailingComments&&(e.trailingComments=[]),e.trailingComments.push(n))}r&&(this.state.leadingComment
s=[]),s.length>0?n.trailingComments=s:void
0!=n.trailingComments&&(n.trailingComments=[])}processComment(e){if("Program"===e.type&&e.body.length
>0)return;const t=this.state.commentStack;let
r,n,i,s,a;if(this.state.trailingComments.length>0)this.state.trailingComments[0].start>=e.end?(i=this.state.trailingCo
mments,this.state.trailingComments=[]):this.state.trailingComments.length=0;else if(t.length>0){const
r=m(t);r.trailingComments&&r.trailingComments[0].start>=e.end&&(i=r.trailingComments,delete
r.trailingComments)}for(t.length>0&&m(t).start>=e.start&&(r=t.pop());t.length>0&&m(t).start>=e.start;)n=t.pop();
if(!n&&r&&(n=r),r)switch(e.type){case"ObjectExpression":this.adjustCommentsAfterTrailingComma(e,e.propertie
s);break;case"ObjectPattern":this.adjustCommentsAfterTrailingComma(e,e.properties,!0);break;case"CallExpressio
n":this.adjustCommentsAfterTrailingComma(e,e.arguments);break;case"ArrayExpression":this.adjustCommentsAft
erTrailingComma(e,e.elements);break;case"ArrayPattern":this.adjustCommentsAfterTrailingComma(e,e.elements,!
0)}else
this.state.commentPreviousNode&&("ImportSpecifier"===this.state.commentPreviousNode.type&&"ImportSpecifi
er"!==e.type||"ExportSpecifier"===this.state.commentPreviousNode.type&&"ExportSpecifier"!==e.type)&&this.ad
justCommentsAfterTrailingComma(e,[this.state.commentPreviousNode]);if(n){if(n.leadingComments)if(n!==e&&n
.leadingComments.length>0&&m(n.leadingComments).end<=e.start)e.leadingComments=n.leadingComments,delet
e n.leadingComments;else for(s=n.leadingComments.length-2;s>=0;--
s)if(n.leadingComments[s].end<=e.start){e.leadingComments=n.leadingComments.splice(0,s+1);break}}else
if(this.state.leadingComments.length>0)if(m(this.state.leadingComments).end<=e.start){if(this.state.commentPrevio

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usNode)for(a=0;a<this.state.leadingComments.length;a++)this.state.leadingComments[a].end<this.state.commentPre
viousNode.end&&(this.state.leadingComments.splice(a,1),a--
);this.state.leadingComments.length>0&&(e.leadingComments=this.state.leadingComments,this.state.leadingComm
ents=[]))else{for(s=0;s<this.state.leadingComments.length&&!(this.state.leadingComments[s].end>e.start);s++);co
nst
t=this.state.leadingComments.slice(0,s);t.length&&(e.leadingComments=t,i=this.state.leadingComments.slice(s),0=
=i.length&&(i=null))}if(this.state.commentPreviousNode=e,i)if(i.length&&i[0].start>=e.start&&m(i).end<=e.end)e
.innerComments=i;else{const
t=i.findIndex(t=>t.end>=e.end);t>0?(e.innerComments=i.slice(0,t),e.trailingComments=i.slice(t)):e.trailingCommen
ts=i}t.push(e)}getLocationForPosition(e){let t;return
t=e===this.state.start?this.state.startLoc:e===this.state.lastTokStart?this.state.lastTokStartLoc:e===this.state.end?th
is.state.endLoc:e===this.state.lastTokEnd?this.state.lastTokEndLoc:function(e,t){let
r,n=1,i=0;for(c.lastIndex=0;(r=c.exec(e))&&r.index<t;)n++,i=c.lastIndex;return new h(n,t-
i)}(this.input,e),t)raise(e,{code:t,reasonCode:r,template:n,...i)}return
this.raiseWithData(e,{code:t,reasonCode:r,n,...i})raiseOverwrite(e,{code:t,template:r,...n})const
i=this.getLocationForPosition(e),s=r.replace(/%(\d+)/g,(e,t)=>n[t])+`
(${i.line}:${i.column})`;if(this.options.errorRecovery){const t=this.state.errors;for(let r=t.length-1;r>=0;r--){const
n=t[r];if(n.pos===e)return Object.assign(n,{message:s});if(n.pos<e)break}}return
this._raise({code:t,loc:i.pos:e},s)raiseWithData(e,t,r,...n){const
i=this.getLocationForPosition(e),s=r.replace(/%(\d+)/g,(e,t)=>n[t])+` (${i.line}:${i.column})`;return
this._raise(Object.assign({loc:i,pos:e},t),s)}_raise(e,t){const r=new
SyntaxError(t);if(Object.assign(r,e),this.options.errorRecovery)return
this.isLookahead||this.state.errors.push(r),r;throw r}}constructor(e,t){super(),this.isLookahead=void
0,this.tokens=[],this.state=new
Se,this.state.init(e),this.input=t,this.length=t.length,this.isLookahead=!1}pushToken(e){this.tokens.length=this.state.
tokensLength,this.tokens.push(e),++this.state.tokensLength}next(){this.isLookahead||(this.checkKeywordEscapes(),
this.options.tokens&&this.pushToken(new
Ae(this.state))),this.state.lastTokEnd=this.state.end,this.state.lastTokStart=this.state.start,this.state.lastTokEndLoc=t
his.state.endLoc,this.state.lastTokStartLoc=this.state.startLoc,this.nextToken()}eat(e){return!!this.match(e)&&(this.
next(),!0)}match(e){return this.state.type===e}lookahead(){const
e=this.state;this.state=e.clone(!0),this.isLookahead=!0,this.next(),this.isLookahead=!1;const t=this.state;return
this.state=e,t}nextTokenStart(){return
this.nextTokenStartSince(this.state.pos)}nextTokenStartSince(e){u.lastIndex=e;return
e+u.exec(this.input)[0].length}lookaheadCharCode(){return
this.input.charCodeAtAt(this.nextTokenStart())}codePointAtPos(e){let
t=this.input.charCodeAtAt(e);if(55296==(64512&t)&&+e<this.input.length){const
r=this.input.charCodeAtAt(e);56320==(64512&r)&&(t=65536+((1023&t)<<10)+(1023&r))}return
t}setStrict(e){this.state.strict=e,e&&(this.state.strictErrors.forEach((e,t)=>this.raise(t,e)),this.state.strictErrors.clear()
)}curContext(){return this.state.context[this.state.context.length-1]}nextToken(){const
e=this.curContext();if(null!=e&&e.preserveSpace||this.skipSpace(),this.state.start=this.state.pos,this.state.startLoc=t
his.state.curPosition(),this.state.pos>=this.length)return void this.finishToken(o.eof);const t=null===e?void
0:e.override;?t(this):this.getTokenFromCode(this.codePointAtPos(this.state.pos))}pushComment(e,t,r,n,i,s){const
a={type:e?"CommentBlock":"CommentLine",value:t,start:r,end:n,loc:new
f(i,s)};this.options.tokens&&this.pushToken(a),this.state.comments.push(a),this.addComment(a)}skipBlockComme
nt(){const e=this.state.curPosition(),t=this.state.pos,r=this.input.indexOf("*/",this.state.pos+2);if(-1===r)throw
this.raise(t,T.UnterminatedComment);let
n;for(this.state.pos=r+2,c.lastIndex=t;(n=c.exec(this.input))&&n.index<this.state.pos;)+this.state.curLine,this.state.
lineStart=n.index+n[0].length;this.isLookahead||this.pushComment(!0,this.input.slice(t+2,r),t,this.state.pos,e,this.stat

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e.curPosition())}skipLineComment(e){const t=this.state.pos,r=this.state.curPosition();let
n=this.input.charCodeAtAt(this.state.pos+=e);if(this.state.pos<this.length)for(;!p(n)&&this.state.pos<this.length;n
=this.input.charCodeAtAt(this.state.pos);this.isLookahead||this.pushComment(!1,this.input.slice(t+e,this.state.pos),t,thi
s.state.pos,r,this.state.curPosition()))skipSpace(){e:for(;this.state.pos<this.length;){const
e=this.input.charCodeAtAt(this.state.pos);switch(e){case 32:case 160:case 9:++this.state.pos;break;case
13:10===this.input.charCodeAtAt(this.state.pos+1)&&this.state.pos;case 10:case 8232:case
8233:++this.state.pos,++this.state.curLine,this.state.lineStart=this.state.pos;break;case
47:switch(this.input.charCodeAtAt(this.state.pos+1)){case 42:this.skipBlockComment();break;case
47:this.skipLineComment(2);break;default:break e}break;default:if(!d(e))break
e;this.state.pos}}finishToken(e,t){this.state.end=this.state.pos,this.state.endLoc=this.state.curPosition();const
r=this.state.type;this.state.type=e,this.state.value=t,this.isLookahead||this.updateContext(r)}readToken_numberSign(
){if(0===this.state.pos&&this.readToken_interpreter())return;const
e=this.state.pos+1,t=this.codePointAtPos(e);if(t>=48&&t<=57)throw
this.raise(this.state.pos,T.UnexpectedDigitAfterHash);if(123===t||91===t&&this.hasPlugin("recordAndTuple")){if(
this.expectPlugin("recordAndTuple"),"hash"!==this.getPluginOption("recordAndTuple","syntaxType"))throw
this.raise(this.state.pos,123===t?T.RecordExpressionHashIncorrectStartSyntaxType:T.TupleExpressionHashIncorre
ctStartSyntaxType);123===t?this.finishToken(o.braceHashL):this.finishToken(o.bracketHashL),this.state.pos+=2}e
lse
C(t)?(++this.state.pos,this.finishToken(o.privateName,this.readWord1(t)):92===t?(++this.state.pos,this.finishToke
n(o.privateName,this.readWord1())):this.finishOp(o.hash,1)}readToken_dot(){const
e=this.input.charCodeAtAt(this.state.pos+1);e>=48&&e<=57?this.readNumber(!0):46===e&&46===this.input.charC
odeAt(this.state.pos+2)?(this.state.pos+=3,this.finishToken(o.ellipsis)):(++this.state.pos,this.finishToken(o.dot))}rea
dToken_slash(){if(this.state.exprAllowed&&!this.state.inType)return++this.state.pos,void
this.readRegexp();61===this.input.charCodeAtAt(this.state.pos+1)?this.finishOp(o.assign,2):this.finishOp(o.slash,1)}r
eadToken_interpreter(){if(0!==this.state.pos||this.length<2)return!1;let
e=this.input.charCodeAtAt(this.state.pos+1);if(33===e)return!1;const
t=this.state.pos;for(this.state.pos+=1;!p(e)&&this.state.pos<this.length;)e=this.input.charCodeAtAt(this.state.pos);c
onst r=this.input.slice(t+2,this.state.pos);return
this.finishToken(o.interpreterDirective,r,!0)}readToken_mult_modulo(e){let
t=42===e?o.star:o.modulo,r=1,n=this.input.charCodeAtAt(this.state.pos+1);const
i=this.state.exprAllowed;42===e&&42===n&&(r++,n=this.input.charCodeAtAt(this.state.pos+2),t=o.exponent),61!=
=n||i||(r++,t=o.assign),this.finishOp(t,r)}readToken_pipe_amp(e){const
t=this.input.charCodeAtAt(this.state.pos+1);if(t===e){if(124===e){if(62===t)return void
this.finishOp(o.pipeline,2);if(this.hasPlugin("recordAndTuple")&&125===t){if("bar"!==this.getPluginOption("reco
rdAndTuple","syntaxType"))throw this.raise(this.state.pos,T.RecordExpressionBarIncorrectEndSyntaxType);return
void
this.finishOp(o.braceBarR,2)}if(this.hasPlugin("recordAndTuple")&&93===t){if("bar"!==this.getPluginOption("re
cordAndTuple","syntaxType"))throw this.raise(this.state.pos,T.TupleExpressionBarIncorrectEndSyntaxType);return
void
this.finishOp(o.bracketBarR,2)}61!==t?this.finishOp(124===e?o.bitwiseOR:o.bitwiseAND,1):this.finishOp(o.assi
gn,2)}else
61===this.input.charCodeAtAt(this.state.pos+2)?this.finishOp(o.assign,3):this.finishOp(124===e?o.logicalOR:o.logic
alAND,2)}readToken_caret(){61===this.input.charCodeAtAt(this.state.pos+1)?this.finishOp(o.assign,2):this.finishOp
(o.bitwiseXOR,1)}readToken_plus_min(e){const t=this.input.charCodeAtAt(this.state.pos+1);if(t===e)return
45!==t||this.inModule||62!==this.input.charCodeAtAt(this.state.pos+2)||0!==this.state.lastTokEnd&&!this.hasPrecedin
gLineBreak()?void this.finishOp(o.incDec,2):(this.skipLineComment(3),this.skipSpace(),void
this.nextToken());61===t?this.finishOp(o.assign,2):this.finishOp(o.plusMin,1)}readToken_lt_gt(e){const
t=this.input.charCodeAtAt(this.state.pos+1);let r=1;return

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t===e?(r=62===e&&62===this.input.charCodeAt(this.state.pos+2)?3:2,61===this.input.charCodeAt(this.state.pos+
r)?void this.finishOp(o.assign,r+1):void
this.finishOp(o.bitShift,r):33!==t||60!==e||this.inModule||45!==this.input.charCodeAt(this.state.pos+2)||45!==this.in
put.charCodeAt(this.state.pos+3)?(61===t&&(r=2),void
this.finishOp(o.relational,r):(this.skipLineComment(4),this.skipSpace(),void
this.nextToken()))readToken_eq_excl(e){const t=this.input.charCodeAt(this.state.pos+1);if(61!==t)return
61===e&&62===t?(this.state.pos+=2,void this.finishToken(o.arrow)):void
this.finishOp(61===e?o.eq:o.bang,1);this.finishOp(o.equality,61===this.input.charCodeAt(this.state.pos+2)?3:2)}re
adToken_question(){const
e=this.input.charCodeAt(this.state.pos+1),t=this.input.charCodeAt(this.state.pos+2);63===e?61===t?this.finishOp(
o.assign,3):this.finishOp(o.nullishCoalescing,2):46!==e||t>=48&&t<=57?(++this.state.pos,this.finishToken(o.questi
on)):(this.state.pos+=2,this.finishToken(o.questionDot))}getTokenFromCode(e){switch(e){case 46:return void
this.readToken_dot();case 40:return++this.state.pos,void this.finishToken(o.parenL);case
41:return++this.state.pos,void this.finishToken(o.parenR);case 59:return++this.state.pos,void
this.finishToken(o.semi);case 44:return++this.state.pos,void this.finishToken(o.comma);case
91:if(this.hasPlugin("recordAndTuple")&&124===this.input.charCodeAt(this.state.pos+1)){if("bar"!==this.getPlugi
nOption("recordAndTuple","syntaxType"))throw
this.raise(this.state.pos,T.TupleExpressionBarIncorrectStartSyntaxType);this.finishToken(o.bracketBarL),this.state.
pos+=2}else++this.state.pos,this.finishToken(o.bracketL);return;case 93:return++this.state.pos,void
this.finishToken(o.bracketR);case
123:if(this.hasPlugin("recordAndTuple")&&124===this.input.charCodeAt(this.state.pos+1)){if("bar"!==this.getPlugi
nOption("recordAndTuple","syntaxType"))throw
this.raise(this.state.pos,T.RecordExpressionBarIncorrectStartSyntaxType);this.finishToken(o.braceBarL),this.state.p
os+=2}else++this.state.pos,this.finishToken(o.braceL);return;case 125:return++this.state.pos,void
this.finishToken(o.braceR);case 58:return
void(this.hasPlugin("functionBind")&&58===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.doubleColon,
2):(++this.state.pos,this.finishToken(o.colon)));case 63:return void this.readToken_question();case
96:return++this.state.pos,void this.finishToken(o.backQuote);case 48:{const
e=this.input.charCodeAt(this.state.pos+1);if(120===e||88===e)return void
this.readRadixNumber(16);if(111===e||79===e)return void this.readRadixNumber(8);if(98===e||66===e)return
void this.readRadixNumber(2)}case 49:case 50:case 51:case 52:case 53:case 54:case 55:case 56:case 57:return void
this.readNumber(!1);case 34:case 39:return void this.readString(e);case 47:return void this.readToken_slash();case
37:case 42:return void this.readToken_mult_modulo(e);case 124:case 38:return void
this.readToken_pipe_amp(e);case 94:return void this.readToken_caret();case 43:case 45:return void
this.readToken_plus_min(e);case 60:case 62:return void this.readToken_lt_gt(e);case 61:case 33:return void
this.readToken_eq_excl(e);case 126:return void this.finishOp(o.tilde,1);case 64:return++this.state.pos,void
this.finishToken(o.at);case 35:return void this.readToken_numberSign();case 92:return void
this.readWord();default:if(C(e))return void this.readWord(e)}throw
this.raise(this.state.pos,T.InvalidOrUnexpectedToken,String.fromCodePoint(e))}finishOp(e,t){const
r=this.input.slice(this.state.pos,this.state.pos+t);this.state.pos+=t,this.finishToken(e,r)}readRegExp(){const
e=this.state.pos;let t,r;for(;;){if(this.state.pos>=this.length)throw this.raise(e,T.UnterminatedRegExp);const
n=this.input.charAt(this.state.pos);if(!n.test(n))throw
this.raise(e,T.UnterminatedRegExp);if(t=!1;else{if("[====n)r=!0;else if("]====n&&r)=!1;else
if("/"===n&&!r)break;t="\\\\"===n}++this.state.pos}const n=this.input.slice(e,this.state.pos);++this.state.pos;let
i="";for(;this.state.pos<this.length;){const
e=this.input[this.state.pos],t=this.codePointAtPos(this.state.pos);if(Ee.has(e))i.indexOf(e)>=
1&&this.raise(this.state.pos+1,T.DuplicateRegExpFlags);else{if(!N(t)&&92!==t)break;this.raise(this.state.pos+1,T.
MalformedRegExpFlags)}++this.state.pos,i+=e}this.finishToken(o.regexp,{pattern:n,flags:i})}readInt(e,t,r,n=!0){c

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const i=this.state.pos,s=16===e?Pe.hex:Pe.decBinOct,a=16===e?ve.hex:10===e?ve.dec:8===e?ve.oct:ve.bin;let
o=!1,l=0;for(let i=0,c=null==t?1/0:t;i<c;++i){const t=this.input.charCodeAt(this.state.pos);let
c;if(95!==t){if(c=t>=97?t-97+10:t>=65?t-65+10:xe(t)?t-
48:1/0,c>=e)if(this.options.errorRecovery&&c<=9)c=0,this.raise(this.state.start+i+2,T.InvalidDigit,e);else{if(!r)bre
ak;c=0,o=!0}++this.state.pos,l=1*e+c}else{const e=this.input.charCodeAt(this.state.pos-
1),t=this.input.charCodeAt(this.state.pos+1);(-1===a.indexOf(t)||s.indexOf(e)>-1||s.indexOf(t)>-
1||Number.isNaN(t))&&this.raise(this.state.pos,T.UnexpectedNumericSeparator),n||this.raise(this.state.pos,T.Numer
icSeparatorInEscapeSequence),++this.state.pos}}return this.state.pos===i|null!=t&&this.state.pos-
i!==t||o?null:l}readRadixNumber(e){const t=this.state.pos;let r=!1,this.state.pos+=2;const
n=this.readInt(e);null==n&&this.raise(this.state.start+2,T.InvalidDigit,e);const
i=this.input.charCodeAt(this.state.pos);if(110===i)++this.state.pos,r=!0;else if(109===i)throw
this.raise(t,T.InvalidDecimal);if(C(this.codePointAtPos(this.state.pos)))throw
this.raise(this.state.pos,T.NumberIdentifier);if(r){const
e=this.input.slice(t,this.state.pos).replace(/[_n]/g,"");this.finishToken(o.bigint,e)}else
this.finishToken(o.num,n)}readNumber(e){const t=this.state.pos;let
r=!1,n=!1,i=!1,s=!1,a=!1,e|null!==this.readInt(10)||this.raise(t,T.InvalidNumber);const l=this.state.pos-
t>=2&&48===this.input.charCodeAt(t);if(l){const
e=this.input.slice(t,this.state.pos);if(this.recordStrictModeErrors(t,T.StrictOctalLiteral,!this.state.strict){const
r=e.indexOf("_");r>0&&this.raise(r+t,T.ZeroDigitNumericSeparator)}a=l&&!/[/89]/.test(e)}let
c=this.input.charCodeAt(this.state.pos);if(46===c||a||(++this.state.pos,this.readInt(10),r=!0,c=this.input.charCodeAt(t
his.state.pos)),69!==c&&101!==c||a||(c=this.input.charCodeAt(++this.state.pos),43===c&&45===c||++this.state.pos,
null===this.readInt(10))&&this.raise(t,T.InvalidOrMissingExponent),r=!0,s=!0,c=this.input.charCodeAt(this.state.po
s)),110===c&&((r||l)&&this.raise(t,T.InvalidBigIntLiteral),++this.state.pos,n=!0),109===c&&(this.expectPlugin("d
ecimal",this.state.pos),(s||l)&&this.raise(t,T.InvalidDecimal),++this.state.pos,i=!0),C(this.codePointAtPos(this.state.
pos)))throw this.raise(this.state.pos,T.NumberIdentifier);const
p=this.input.slice(t,this.state.pos).replace(/[_mn]/g,"");if(n)return void this.finishToken(o.bigint,p);if(i)return void
this.finishToken(o.decimal,p);const
u=a?parseInt(p,8):parseFloat(p);this.finishToken(o.num,u)}readCodePoint(e){let
t;if(123===this.input.charCodeAt(this.state.pos)){const
r=++this.state.pos;if(t=this.readHexChar(this.input.indexOf(")",this.state.pos)-
this.state.pos,!0,e),++this.state.pos,null!==t&&t>1114111){if(!e)return null;this.raise(r,T.InvalidCodePoint)}}else
t=this.readHexChar(4,!1,e);return t}readString(e){let
t="",r=++this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,T.UnterminatedString);const
n=this.input.charCodeAt(this.state.pos);if(n===e)break;if(92===n)t+=this.input.slice(r,this.state.pos),t+=this.readEs
capedChar(!1),r=this.state.pos;else
if(8232===n||8233===n)++this.state.pos,++this.state.curLine,this.state.lineStart=this.state.pos;else{if(p(n))throw
this.raise(this.state.start,T.UnterminatedString);++this.state.pos}}t+=this.input.slice(r,this.state.pos++),this.finishTo
ken(o.string,t)}readTplToken(){let e="",t=this.state.pos,r=!1;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,T.UnterminatedTemplate);const
n=this.input.charCodeAt(this.state.pos);if(96===n||36===n&&123===this.input.charCodeAt(this.state.pos+1))retur
n this.state.pos===this.state.start&&this.match(o.template)?36===n?(this.state.pos+=2,void
this.finishToken(o.dollarBraceL)):(++this.state.pos,void
this.finishToken(o.backQuote)):(e+=this.input.slice(t,this.state.pos),void
this.finishToken(o.template,r?null:e));if(92===n){e+=this.input.slice(t,this.state.pos);const
n=this.readEscapedChar(!0);null===n?r=!0:e+=n,t=this.state.pos}else
if(p(n)){switch(e+=this.input.slice(t,this.state.pos),++this.state.pos,n){case
13:10===this.input.charCodeAt(this.state.pos)&&++this.state.pos;case

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10:e+="\n";break;default:e+=String.fromCharCode(n)}++this.state.curLine,this.state.lineStart=this.state.pos,t=this.state.pos}else++this.state.pos}}recordStrictModeErrors(e,t){this.state.strictModeErrors.has(e)?this.raise(e,t):this.state.strictModeErrors.set(e,t)}readEscapedChar(e){const t=!e,r=this.input.charCodeAt(++this.state.pos);switch(++this.state.pos,r){case 110:return"\n";case 114:return"\r";case 120:{const e=this.readHexChar(2,!1,t);return null===e?null:String.fromCharCode(e)}case 117:{const e=this.readCodePoint(t);return null===e?null:String.fromCodePoint(e)}case 116:return"\t";case 98:return"\b";case 118:return"\v";case 102:return"\f";case 13:10===this.input.charCodeAt(this.state.pos)&&++this.state.pos;case 10:this.state.lineStart=this.state.pos,++this.state.curLine;case 8232:case 8233:return"";case 56:case 57:if(e)return null;this.recordStrictModeErrors(this.state.pos-1,T.StrictNumericEscape);default:if(r>=48&&r<=55){const t=this.state.pos-1;let r=this.input.substr(this.state.pos-1,3).match(/^[0-7]+/)[0],n=parseInt(r,8);n>255&&(r=r.slice(0,-1),n=parseInt(r,8)),this.state.pos+=r.length-1;const i=this.input.charCodeAt(this.state.pos);if("0"!==r||56===i||57===i){if(e)return null;this.recordStrictModeErrors(t,T.StrictNumericEscape)}return String.fromCharCode(n)}return String.fromCharCode(r)}readHexChar(e,t,r){const n=this.state.pos,i=this.readInt(16,e,t,!1);return null===i&&(r?this.raise(n,T.InvalidEscapeSequence):this.state.pos=n-1,i)}readWord1(e){this.state.containsEsc=!1;let t="";const r=this.state.pos;let n=this.state.pos;for(void 0!==e&&(this.state.pos+=e<=65535?1:2);this.state.pos<this.length;){const e=this.codePointAtPos(this.state.pos);if(N(e))this.state.pos+=e<=65535?1:2;else{if(92===e)break;{this.state.containsEsc=!0,t+=this.input.slice(n,this.state.pos);const e=this.state.pos,i=this.state.pos===r?C:N;if(117!==this.input.charCodeAt(++this.state.pos)){this.raise(this.state.pos,T.MissingUnicodeEscape),n=this.state.pos-1;continue}++this.state.pos;const s=this.readCodePoint(!0);null!==s&&(i(s)||this.raise(e,T.EscapedCharNotAnIdentifier),t+=String.fromCodePoint(s)),n=this.state.pos}}return t+this.input.slice(n,this.state.pos)}readWord(e){const t=this.readWord1(e),r=i.get(t)||o.name;this.finishToken(r,t)}checkKeywordEscapes(){const e=this.state.type.keyword;e&&this.state.containsEsc&&this.raise(this.state.start,T.InvalidEscapedReservedWord,e)}braceIsBlock(e){const t=this.curContext();return t===x.functionExpression||t===x.functionStatement||(e!==o.colon||t===x.braceStatement&&t===x.braceExpression?e===o._return||e===o.name&&this.state.exprAllowed?this.hasPrecedingLineBreak():e===o._else||e===o.semi||e===o.eof||e===o.parenR||e===o.arrow||(e===o.braceL?t===x.braceStatement:e!==o._var&&e!==o._const&&e!==o.name&&(e===o.relational||!this.state.exprAllowed)):!t.isExpr)}updateContext(e){const t=this.state.type;let r;!t.keyword||e!==o.dot&&e!==o.questionDot?(r=t.updateContext)?r.call(this,e):this.state.exprAllowed=t.beforeExpr;this.state.exprAllowed=!1}}{addExtra(e,t,r){if(!e)return;(e.extra=e.extra||{})[t]=r}isRelational(e){return this.match(o.relational)&&this.state.value===e}expectRelational(e){this.isRelational(e)?this.next():this.unexpected(null,o.relational)}isContextual(e){return this.match(o.name)&&this.state.value===e&&!this.state.containsEsc}isUnparsedContextual(e,t){const r=e+t.length;return this.input.slice(e,r)===t&&(r===this.input.length?!N(this.input.charCodeAt(r))):isLookaheadContextual(e)}const t=this.nextTokenStart();return this.isUnparsedContextual(t,e)}eatContextual(e){return this.isContextual(e)&&this.eat(o.name)}expectContextual(e,t){this.eatContextual(e)||this.unexpected(null,t)}canInsertSemicolon(){return this.match(o.eof)||this.match(o.braceR)||this.hasPrecedingLineBreak()}hasPrecedingLineBreak(){return l.test(this.input.slice(this.state.lastTokEnd,this.state.start))}hasFollowingLineBreak(){return l.test(this.input.slice(this.state.end,this.nextTokenStart()))}isLineTerminator(){return this.eat(o.semi)||this.canInsertSemicolon()}semicolon(e=!0){(e?this.isLineTerminator():this.eat(o.semi))||this.raise(this.state.lastTokEnd,T.MissingSemicolon)}expect(e,t){this.eat(e)||this.unexpected(t,e)}assertNoSpace(e="Unexpected space."){this.state.start>this.state.lastTokEnd&&this.raise(this.state.lastTokEnd,{code:y.SyntaxError,reasonCode:"

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UnexpectedSpace",template:e)})unexpected(e,t={code:y.SyntaxError,reasonCode:"UnexpectedToken",template:"Un
nextpected token"}){throw t instanceof
n&&(t={code:y.SyntaxError,reasonCode:"UnexpectedToken",template:`Unexpected token, expected
"${t.label}"`}),this.raise(null!=e?e:this.state.start,t)}expectPlugin(e,t){if(!this.hasPlugin(e))throw
this.raiseWithData(null!=t?t:this.state.start,{missingPlugin:[e]},`This experimental syntax requires enabling the
parser plugin: \`${e}\``);return!0}expectOnePlugin(e,t){if(!e.some(e=>this.hasPlugin(e)))throw
this.raiseWithData(null!=t?t:this.state.start,{missingPlugin:e},`This experimental syntax requires enabling one of the
following parser plugin(s): \`${e.join(", ")}\``)}tryParse(e,t=this.state.clone()){const r={node:null};try{const
n=e((e=null)=>{throw r.node=e,r});if(this.state.errors.length>t.errors.length){const e=this.state;return
this.state=t,this.state.tokensLength=e.tokensLength,{node:n,error:e.errors[t.errors.length],thrown:!1,aborted:!1,failSt
ate:e}}return{node:n,error:null,thrown:!1,aborted:!1,failState:null}}catch(e){const n=this.state;if(this.state=t,e
instanceof
SyntaxError)return{node:null,error:e,thrown:!0,aborted:!1,failState:n};if(e===r)return{node:r.node,error:null,throw
n:!1,aborted:!0,failState:n};throw
e}}checkExpressionErrors(e,t){if(!e)return!1;const{shorthandAssign:r,doubleProto:n}=e;if(!t)return
r>=0||n>=0;r>=0&&this.unexpected(r,n>=0&&this.raise(n,T.DuplicateProto)}isLiteralPropertyName(){return
this.match(o.name)||!this.state.type.keyword||this.match(o.string)||this.match(o.num)||this.match(o.bigint)||this.matc
h(o.decimal)}isPrivateName(e){return"PrivateName"===e.type}getPrivateNameSV(e){return
e.id.name}hasPropertyAsPrivateName(e){return("MemberExpression"===e.type||"OptionalMemberExpression"===
e.type)&&this.isPrivateName(e.property)}isOptionalChain(e){return"OptionalMemberExpression"===e.type||"Opti
onalCallExpression"===e.type}isObjectProperty(e){return"ObjectProperty"===e.type}isObjectMethod(e){return"O
bjectMethod"===e.type}initializeScopes(e="module"===this.options.sourceType){const
t=this.state.labels;this.state.labels=[];const r=this.state.exportedIdentifiers;this.state.exportedIdentifiers=[];const
n=this.inModule;this.inModule=e;const i=this.scope,s=this.getScopeHandler();this.scope=new
s(this.raise.bind(this),this.inModule);const a=this.prodParam;this.prodParam=new ae;const
o=this.classScope;this.classScope=new Oe(this.raise.bind(this));const l=this.expressionScope;return
this.expressionScope=new
Ne(this.raise.bind(this)),()=>>{this.state.labels=t,this.state.exportedIdentifiers=r,this.inModule=n,this.scope=i,this.pr
odParam=a,this.classScope=o,this.expressionScope=l}}enterInitialScopes(){let
e=0;this.hasPlugin("topLevelAwait")&&this.inModule&&(e|=2),this.scope.enter(1),this.prodParam.enter(e)}}start
Node(){return new _e(this,this.state.start,this.state.startLoc)}startNodeAt(e,t){return new
_e(this,e,t)}startNodeAtNode(e){return this.startNodeAt(e.start,e.loc.start)}finishNode(e,t){return
this.finishNodeAt(e,t,this.state.lastTokEnd,this.state.lastTokEndLoc)}finishNodeAt(e,t,r,n){return
e.type=t,e.end=r,e.loc.end=n,this.options.ranges&&(e.range[1]=r),this.processComment(e,e)}resetStartLocation(e,t,
r){e.start=t,e.loc.start=r,this.options.ranges&&(e.range[0]=t)}resetEndLocation(e,t=this.state.lastTokEnd,r=this.stat
e.lastTokEndLoc){e.end=t,e.loc.end=r,this.options.ranges&&(e.range[1]=t)}resetStartLocationFromNode(e,t){this.r
esetStartLocation(e,t.start,t.loc.start)}}toAssignable(e,t=!1){var r,n;let i=void
0;switch(("ParenthesizedExpression"===e.type||null!=(r=e.extra)&&r.parenthesized)&&(i=Le(e),t?"Identifier"===i.
type?this.expressionScope.recordParenthesizedIdentifierError(e.start,T.InvalidParenthesizedAssignment):"Member
Expression"!==i.type&&this.raise(e.start,T.InvalidParenthesizedAssignment):this.raise(e.start,T.InvalidParenthesize
dAssignment)),e.type){case"Identifier":case"ObjectPattern":case"ArrayPattern":case"AssignmentPattern":break;cas
e"ObjectExpression":e.type="ObjectPattern";for(let r=0,n=e.properties.length,i=n-1;r<n;r++){var s;const
n=e.properties[r],a=r===i;this.toAssignableObjectExpressionProp(n,a,t,a&&"RestElement"===n.type&&null!=(s=
e.extra)&&s.trailingComma&&this.raiseRestNotLast(e.extra.trailingComma)}break;case"ObjectProperty":this.toAs
signable(e.value,t);break;case"SpreadElement":{this.checkToRestConversion(e),e.type="RestElement";const
r=e.argument;this.toAssignable(r,t);break}case"ArrayExpression":e.type="ArrayPattern",this.toAssignableList(e.ele
ments,null==(n=e.extra)?void
0:n.trailingComma,t);break;case"AssignmentExpression":e.operator&&this.raise(e.left.end,T.MissingEqInAs

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signment),e.type="AssignmentPattern",delete
e.operator,this.toAssignable(e.left,t);break;case"ParenthesizedExpression":this.toAssignable(i,t)}return
e}toAssignableObjectExpressionProp(e,t,r){if("ObjectMethod"===e.type){const
t="get"===e.kind||"set"===e.kind?T.PatternHasAccessor:T.PatternHasMethod;this.raise(e.key.start,t)}else"SpreadE
lement"!==e.type||t?this.toAssignable(e,r):this.raiseRestNotLast(e.start)}toAssignableList(e,t,r){let
n=e.length;if(n){const i=e[n-1];if("RestElement"===(null===i?void 0:i.type))--n;else
if("SpreadElement"===(null===i?void 0:i.type)){i.type="RestElement";let
e=i.argument;this.toAssignable(e,r),e=Le(e),"Identifier"!==e.type&&"MemberExpression"!==e.type&&"ArrayPatter
n"!==e.type&&"ObjectPattern"!==e.type&&this.unexpected(e.start),t&&this.raiseTrailingCommaAfterRest(t,--
n)}for(let t=0;t<n;t++){const
n=e[t];n&&(this.toAssignable(n,r),"RestElement"===n.type&&this.raiseRestNotLast(n.start))}return
e}toReferencedList(e,t){return e}toReferencedListDeep(e,t){this.toReferencedList(e,t);for(const t of
e)"ArrayExpression"===(null===t?void 0:t.type)&&this.toReferencedListDeep(t.elements)}parseSpread(e,t){const
r=this.startNode();return this.next(),r.argument=this.parseMaybeAssignAllowIn(e,void
0,t),this.finishNode(r,"SpreadElement")}parseRestBinding(){const e=this.startNode();return
this.next(),e.argument=this.parseBindingAtom(),this.finishNode(e,"RestElement")}parseBindingAtom(){switch(this
.state.type){case o.bracketL:{const e=this.startNode();return
this.next(),e.elements=this.parseBindingList(o.bracketR,93,!0),this.finishNode(e,"ArrayPattern")}case
o.braceL:return this.parseObjectLike(o.braceR,!0)}return this.parseIdentifier()}parseBindingList(e,t,r,n){const
i=[];let
s=!0;for(;!this.eat(e);)if(s?s=!1:this.expect(o.comma),r&&this.match(o.comma))i.push(null);else{if(this.eat(e))break
;if(this.match(o.ellipsis)){i.push(this.parseAssignableListItemTypes(this.parseRestBinding()));this.checkCommaAft
erRest(t),this.expect(e);break}{const
e=[];for(this.match(o.at)&&this.hasPlugin("decorators")&&this.raise(this.state.start,T.UnsupportedParameterDecora
tor);this.match(o.at);)e.push(this.parseDecorator());i.push(this.parseAssignableListItem(n,e))}return
i}parseAssignableListItem(e,t){const r=this.parseMaybeDefault();this.parseAssignableListItemTypes(r);const
n=this.parseMaybeDefault(r.start,r.loc.start,r);return
t.length&&(r.decorators=t),n}parseAssignableListItemTypes(e){return e}parseMaybeDefault(e,t,r){var
n,i,s;if(t=null!==(n=t)?n:this.state.startLoc,e=null!==(i=e)?i:this.state.start,r=null!==(s=r)?s:this.parseBindingAtom(),!th
is.eat(o.eq))return r;const a=this.startNodeAt(e,t);return
a.left=r,a.right=this.parseMaybeAssignAllowIn(),this.finishNode(a,"AssignmentPattern")}checkLVal(e,t,r=64,n,i,s=
!1){switch(e.type){case"Identifier":{const{name:t}=e,this.state.strict&&(s?B(t,this.inModule):R(t))&&this.raise(e.s
tart,64===r?T.StrictEvalArguments:T.StrictEvalArgumentsBinding,t),n&&(n.has(t)?this.raise(e.start,T.ParamDupe)
:n.add(t)),i&&"let"===t&&this.raise(e.start,T.LetInLexicalBinding),64&r||this.scope.declareName(t,r,e.start);break}
case"MemberExpression":64===r&&this.raise(e.start,T.InvalidPropertyBindingPattern);break;case"ObjectPattern":f
or(let t of e.properties){if(this.isObjectProperty(t))t=t.value;else
if(this.isObjectMethod(t))continue;this.checkLVal(t,"object destructuring
pattern",r,n,i)}break;case"ArrayPattern":for(const t of e.elements)t&&this.checkLVal(t,"array destructuring
pattern",r,n,i);break;case"AssignmentPattern":this.checkLVal(e.left,"assignment
pattern",r,n);break;case"RestElement":this.checkLVal(e.argument,"rest
element",r,n);break;case"ParenthesizedExpression":this.checkLVal(e.expression,"parenthesized
expression",r,n);break;default:this.raise(e.start,64===r?T.InvalidLhs:T.InvalidLhsBinding,t)}checkToRestConversi
on(e){"Identifier"!==e.argument.type&&"MemberExpression"!==e.argument.type&&this.raise(e.argument.start,T.I
nvalidRestAssignmentPattern)}checkCommaAfterRest(e){this.match(o.comma)&&(this.lookaheadCharCode()===e
?this.raiseTrailingCommaAfterRest(this.state.start):this.raiseRestNotLast(this.state.start))}raiseRestNotLast(e){thro
w
this.raise(e,T.ElementAfterRest)}raiseTrailingCommaAfterRest(e){this.raise(e,T.RestTrailingComma)}}{checkProt
o(e,t,r,n){if("SpreadElement"===e.type||this.isObjectMethod(e)||e.computed||e.shorthand)return;const

```

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i=e.key;if("__proto__"===("Identifier"===i.type?i.name:i.value)){if(t)return void
this.raise(i.start,T.RecordNoProto);r.used&&(n?-
1===n.doubleProto&&(n.doubleProto=i.start):this.raise(i.start,T.DuplicateProto)),r.used=!0} }shouldExitDescendin
g(e,t){return"ArrowFunctionExpression"===e.type&&e.start===t}getExpression(){let
e=0;this.hasPlugin("topLevelAwait")&&this.inModule&&(e|=2),this.scope.enter(1),this.prodParam.enter(e),this.nex
tToken();const t=this.parseExpression();return
this.match(o.eof)||this.unexpected(),t.comments=this.state.comments,t.errors=this.state.errors,this.options.tokens&&
(t.tokens=this.tokens),t}parseExpression(e,t){return
e?this.disallowInAnd(=>this.parseExpressionBase(t)):this.allowInAnd(=>this.parseExpressionBase(t))}parseExp
ressionBase(e){const
t=this.state.start,r=this.state.startLoc,n=this.parseMaybeAssign(e);if(this.match(o.comma)){const
i=this.startNodeAt(t,r);for(i.expressions=[n];this.eat(o.comma);i.expressions.push(this.parseMaybeAssign(e));retur
n this.toReferencedList(i.expressions),this.finishNode(i,"SequenceExpression"))}return
n}parseMaybeAssignDisallowIn(e,t,r){return
this.disallowInAnd(=>this.parseMaybeAssign(e,t,r))}parseMaybeAssignAllowIn(e,t,r){return
this.allowInAnd(=>this.parseMaybeAssign(e,t,r))}parseMaybeAssign(e,t,r){const
n=this.state.start,i=this.state.startLoc;if(this.isContextual("yield")&&this.prodParam.hasYield){this.state.exprAllow
ed=!0;let e=this.parseYield();return t&&(e=t.call(this,e,n,i)),e}let s;e?s=!1:(e=new
De,s=!0),(this.match(o.parenL)||this.match(o.name))&&(this.state.potentialArrowAt=this.state.start);let
a=this.parseMaybeConditional(e,r);if(t&&(a=t.call(this,a,n,i)),this.state.type.isAssign){const
t=this.startNodeAt(n,i),r=this.state.value;return
t.operator=r,this.match(o.eq)?(t.left=this.toAssignable(a,!0),e.doubleProto=-
1):t.left=a,e.shorthandAssign>=t.left.start&&(e.shorthandAssign=-1),this.checkLVal(a,"assignment
expression"),this.next(),t.right=this.parseMaybeAssign(),this.finishNode(t,"AssignmentExpression")}return
s&&this.checkExpressionErrors(e,!0),a}parseMaybeConditional(e,t){const
r=this.state.start,n=this.state.startLoc,i=this.state.potentialArrowAt,s=this.parseExprOps(e);return
this.shouldExitDescending(s,i)?s:this.parseConditional(s,r,n,t)}parseConditional(e,t,r,n){if(this.eat(o.question)){con
st n=this.startNodeAt(t,r);return
n.test=e,n.consequent=this.parseMaybeAssignAllowIn(),this.expect(o.colon),n.alternate=this.parseMaybeAssign(),t
his.finishNode(n,"ConditionalExpression")}return e}parseExprOps(e){const
t=this.state.start,r=this.state.startLoc,n=this.state.potentialArrowAt,i=this.parseMaybeUnary(e);return
this.shouldExitDescending(i,n)?i:this.parseExprOp(i,t,r,-1)}parseExprOp(e,t,r,n){let
i=this.state.type.binop;if(null!=i&&(this.prodParam.hasIn||!this.match(o._in))&&i>n){const
s=this.state.type;if(s===o.pipeline){if(this.expectPlugin("pipelineOperator"),this.state.inFSharpPipelineDirectBody)
return e;this.state.inPipeline=!0,this.checkPipelineAtInfixOperator(e,t)}const
a=this.startNodeAt(t,r);a.left=e,a.operator=this.state.value;const
l=s===o.logicalOR||s===o.logicalAND,c=s===o.nullishCoalescing;if(c&&(i=o.logicalAND.binop),this.next(),s===
o.pipeline&&"minimal"===this.getPluginOption("pipelineOperator","proposal")&&this.match(o.name)&&"await"
===this.state.value&&this.prodParam.hasAwait)throw
this.raise(this.state.start,T.UnexpectedAwaitAfterPipelineBody);a.right=this.parseExprOpRightExpr(s,i),this.finishN
ode(a,l|c?"LogicalExpression":"BinaryExpression");const
p=this.state.type;if(c&&(p===o.logicalOR||p===o.logicalAND)||l&&p===o.nullishCoalescing)throw
this.raise(this.state.start,T.MixingCoalesceWithLogical);return this.parseExprOp(a,t,r,n)}return
e}parseExprOpRightExpr(e,t){const r=this.state.start,n=this.state.startLoc;switch(e){case
o.pipeline:switch(this.getPluginOption("pipelineOperator","proposal")){case"smart":return
this.withTopicPermittingContext(=>this.parseSmartPipelineBody(this.parseExprOpBaseRightExpr(e,t),r,n));case"f
sharp":return this.withSoloAwaitPermittingContext(=>this.parseFSharpPipelineBody(t))}default:return
this.parseExprOpBaseRightExpr(e,t)} }parseExprOpBaseRightExpr(e,t){const

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r=this.state.start,n=this.state.startLoc;return this.parseExprOp(this.parseMaybeUnary(),r,n,e.rightAssociative?t-
1:t)}checkExponentialAfterUnary(e){this.match(o.exponent)&&this.raise(e.argument.start,T.UnexpectedTokenUna
ryExponentiation)}parseMaybeUnary(e,t){const
r=this.state.start,n=this.state.startLoc,i=this.isContextual("await");if(i&&this.isAwaitAllowed()){this.next();const
e=this.parseAwait(r,n);return
t||this.checkExponentialAfterUnary(e,e)}if(this.isContextual("module")&&123===this.lookaheadCharCode())&&!th
is.hasFollowingLineBreak())return this.parseModuleExpression();const
s=this.match(o.incDec),a=this.startNode();if(this.state.type.prefix){a.operator=this.state.value,a.prefix=!0,this.match
(o._throw)&&this.expectPlugin("throwExpressions");const
r=this.match(o._delete);if(this.next(),a.argument=this.parseMaybeUnary(null,!0),this.checkExpressionErrors(e,!0),th
is.state.strict&&r){const
e=a.argument;"Identifier"===e.type?this.raise(a.start,T.StrictDelete):this.hasPropertyAsPrivateName(e)&&this.raise
(a.start,T.DeletePrivateField)}if(!s)return
t||this.checkExponentialAfterUnary(a,this.finishNode(a,"UnaryExpression"))}const
l=this.parseUpdate(a,s,e);if(i){if((this.hasPlugin("v8intrinsic"))?this.state.type.startsExpr:this.state.type.startsExpr&
&!this.match(o.modulo))&&!this.isAmbiguousAwait()}return
this.raiseOverwrite(r,this.hasPlugin("topLevelAwait")?T.AwaitNotInAsyncContext:T.AwaitNotInAsyncFunction),t
his.parseAwait(r,n)}return l}parseUpdate(e,t,r){if(t)return this.checkLVal(e.argument,"prefix
operation"),this.finishNode(e,"UpdateExpression");const n=this.state.start,i=this.state.startLoc;let
s=this.parseExprSubscripts(r);if(this.checkExpressionErrors(r,!1))return
s;for(;this.state.type.postfix&&!this.canInsertSemicolon();){const
e=this.startNodeAt(n,i);e.operator=this.state.value,e.prefix=!1,e.argument=s,this.checkLVal(s,"postfix
operation"),this.next(),s=this.finishNode(e,"UpdateExpression")}return s}parseExprSubscripts(e){const
t=this.state.start,r=this.state.startLoc,n=this.state.potentialArrowAt,i=this.parseExprAtom(e);return
this.shouldExitDescending(i,n)?i:this.parseSubscripts(i,t,r)}parseSubscripts(e,t,r,n){const
i={optionalChainMember:!1,maybeAsyncArrow:this.atPossibleAsyncArrow(e),stop:!1};do{e=this.parseSubscript(e,
t,r,n,i),i.maybeAsyncArrow=!1}while(!i.stop);return
e}parseSubscript(e,t,r,n,i){if(!n&&this.eat(o.doubleColon))return
this.parseBind(e,t,r,n,i);if(this.match(o.backQuote))return this.parseTaggedTemplateExpression(e,t,r,i);let
s=!1;if(this.match(o.questionDot)){if(n&&40===this.lookaheadCharCode())return
i.stop=!0,e.i.optionalChainMember=s=!0,this.next()}return!n&&this.match(o.parenL)?this.parseCoverCallAndAsyn
cArrowHead(e,t,r,i,s):s||this.match(o.bracketL)||this.eat(o.dot)?this.parseMember(e,t,r,i,s):(i.stop=!0,e)}parseMembe
r(e,t,r,n,i){const s=this.startNodeAt(t,r),a=this.eat(o.bracketL);s.object=e,s.computed=a;const
l=!a&&this.match(o.privateName)&&this.state.value,c=a?this.parseExpression():l?this.parsePrivateName():this.pars
eIdentifier(!0);return!l===l&&("Super"===s.object.type&&this.raise(t,T.SuperPrivateField),this.classScope.usePriv
ateName(l,c.start)),s.property=c,a&&this.expect(o.bracketR),n.optionalChainMember?(s.optional=l,this.finishNode(
s,"OptionalMemberExpression")):this.finishNode(s,"MemberExpression")}parseBind(e,t,r,n,i){const
s=this.startNodeAt(t,r);return
s.object=e,s.callee=this.parseNoCallExpr(),i.stop=!0,this.parseSubscripts(this.finishNode(s,"BindExpression"),t,r,n)
}parseCoverCallAndAsyncArrowHead(e,t,r,n,i){const
s=this.state.maybeInArrowParameters;this.state.maybeInArrowParameters=!0,this.next();let
a=this.startNodeAt(t,r);return a.callee=e,n.maybeAsyncArrow&&this.expressionScope.enter(new
Ce(2)),n.optionalChainMember&&(a.optional=i),a.arguments=i?this.parseCallExpressionArguments(o.parenR,!1):t
his.parseCallExpressionArguments(o.parenR,n.maybeAsyncArrow,"Import"===e.type,"Super"===e.type,a),this.fini
shCallExpression(a,n.optionalChainMember),n.maybeAsyncArrow&&this.shouldParseAsyncArrow()&&!i?(n.stop
=!0,this.expressionScope.validateAsPattern(),this.expressionScope.exit(),a=this.parseAsyncArrowFromCallExpressi
on(this.startNodeAt(t,r),a):(n.maybeAsyncArrow&&this.expressionScope.exit(),this.toReferencedArguments(a)),th
is.state.maybeInArrowParameters=s,a)toReferencedArguments(e,t){this.toReferencedListDeep(e.arguments,t)}pars

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eTaggedTemplateExpression(e,t,r,n){const i=this.startNodeAt(t,r);return
i.tag=e,i.quasi=this.parseTemplate(!0,n.optionalChainMember&&this.raise(t,T.OptionalChainingNoTemplate),this.
finishNode(i,"TaggedTemplateExpression")}atPossibleAsyncArrow(e){return"Identifier"===e.type&&"async"===e
.name&&this.state.lastTokEnd===e.end&&!this.canInsertSemicolon()&&e.end-
e.start===5&&e.start===this.state.potentialArrowAt}finishCallExpression(e,t){if("Import"===e.callee.type)if(2===e
.arguments.length&&(this.hasPlugin("moduleAttributes")||this.expectPlugin("importAssertions")),0===e.arguments.
length||e.arguments.length>2)this.raise(e.start,T.ImportCallArity,this.hasPlugin("importAssertions")||this.hasPlugin(
"moduleAttributes")?"one or two arguments":"one argument");else for(const t of
e.arguments)"SpreadElement"===t.type&&this.raise(t.start,T.ImportCallSpreadArgument);return
this.finishNode(e,t?"OptionalCallExpression":"CallExpression")}parseCallExpressionArguments(e,t,r,n,i){const
s=[];let a=!0;const
l=this.state.inFSharpPipelineDirectBody;for(this.state.inFSharpPipelineDirectBody=!1;!this.eat(e);){if(a=!1;else
if(this.expect(o.comma),this.match(e)){!r||this.hasPlugin("importAssertions")||this.hasPlugin("moduleAttributes")||th
is.raise(this.state.lastTokStart,T.ImportCallArgumentTrailingComma),i&&this.addExtra(i,"trailingComma",this.stat
e.lastTokStart),this.next();break}s.push(this.parseExprListItem(!1,t?new De:void 0,t?{start:0}:void 0,n))}return
this.state.inFSharpPipelineDirectBody=l,s}shouldParseAsyncArrow(){return
this.match(o.arrow)&&!this.canInsertSemicolon()}parseAsyncArrowFromCallExpression(e,t){var r;return
this.expect(o.arrow),this.parseArrowExpression(e,t.arguments,!0,null==(r=t.extra)?void
0:r.trailingComma),e}parseNoCallExpr(){const e=this.state.start,t=this.state.startLoc;return
this.parseSubscripts(this.parseExprAtom(),e,t,!0)}parseExprAtom(e){this.state.type===o.slash&&this.readRegexp()
;const t=this.state.potentialArrowAt===this.state.start;let r;switch(this.state.type){case o._super:return
this.parseSuper();case o._import:return
r=this.startNode(),this.next(),this.match(o.dot)?this.parseImportMetaProperty(r):(this.match(o.parenL)||this.raise(this
.state.lastTokStart,T.UnsupportedImport),this.finishNode(r,"Import"));case o._this:return
r=this.startNode(),this.next(),this.finishNode(r,"ThisExpression");case o.name:{const
e=this.state.containsEsc,r=this.parseIdentifier();if(!e&&"async"===r.name&&!this.canInsertSemicolon()){if(this.m
atch(o._function)){const e=this.state.context.length-1;if(this.state.context[e]!==x.functionStatement)throw new
Error("Internal error");return
this.state.context[e]=x.functionExpression,this.next(),this.parseFunction(this.startNodeAtNode(r),void
0,!0)}if(this.match(o.name))return
61===this.lookaheadCharCode()?this.parseAsyncArrowUnaryFunction(r):r;if(this.match(o._do))return
this.parseDo(!0)}return
t&&this.match(o.arrow)&&!this.canInsertSemicolon()?(this.next(),this.parseArrowExpression(this.startNodeAtNode
e(r),[r,!1]):r}case o._do:return this.parseDo(!1);case o.regexp:{const e=this.state.value;return
r=this.parseLiteral(e.value,"RegExpLiteral"),r.pattern=e.pattern,r.flags=e.flags,r}case o.num:return
this.parseLiteral(this.state.value,"NumericLiteral");case o.bigint:return
this.parseLiteral(this.state.value,"BigIntLiteral");case o.decimal:return
this.parseLiteral(this.state.value,"DecimalLiteral");case o.string:return
this.parseLiteral(this.state.value,"StringLiteral");case o._null:return
r=this.startNode(),this.next(),this.finishNode(r,"NullLiteral");case o._true:case o._false:return
this.parseBooleanLiteral();case o.parenL:return this.parseParenAndDistinguishExpression(t);case
o.bracketBarL:case o.bracketHashL:return
this.parseArrayLike(this.state.type===o.bracketBarL?o.bracketBarR:o.bracketR,!1,!0,e);case o.bracketL:return
this.parseArrayLike(o.bracketR,!0,!1,e);case o.braceBarL:case o.braceHashL:return
this.parseObjectLike(this.state.type===o.braceBarL?o.braceBarR:o.braceR,!1,!0,e);case o.braceL:return
this.parseObjectLike(o.braceR,!1,!1,e);case o._function:return this.parseFunctionOrFunctionSent();case
o.at:this.parseDecorators();case o._class:return r=this.startNode(),this.takeDecorators(r),this.parseClass(r,!1);case
o._new:return this.parseNewOrNewTarget();case o.backQuote:return this.parseTemplate(!1);case

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o.doubleColon: {r=this.startNode(),this.next(),r.object=null;const
e=r.callee=this.parseNoCallExpr();if("MemberExpression"===e.type)return
this.finishNode(r,"BindExpression");throw this.raise(e.start,T.UnsupportedBind)} case o.privateName: { const
e=this.state.start,t=this.state.value;if(r=this.parsePrivateName(),this.match(o._in))this.expectPlugin("privateIn"),this.
classScope.usePrivateName(t,r.start);else {if(!this.hasPlugin("privateIn"))throw
this.unexpected(e);this.raise(this.state.start,T.PrivateInExpectedIn,t)}return r} case
o.hash:if(this.state.inPipeline)return
r=this.startNode(),"smart"!==this.getPluginOption("pipelineOperator","proposal")&&this.raise(r.start,T.PrimaryTop
icRequiresSmartPipeline),this.next(),this.primaryTopicReferenceIsAllowedInCurrentTopicContext()||this.raise(r.star
t,T.PrimaryTopicNotAllowed),this.registerTopicReference(),this.finishNode(r,"PipelinePrimaryTopicReference");ca
se o.relational:if("<"===this.state.value){ const
e=this.input.codePointAt(this.nextTokenStart());C(e)||62===e)&&this.expectOnePlugin(["jsx","flow","typescript"]
)}default:throw this.unexpected()} parseAsyncArrowUnaryFunction(e){ const
t=this.startNodeAtNode(e);this.prodParam.enter(oe(!0,this.prodParam.hasYield));const
r=[this.parseIdentifier()];return
this.prodParam.exit(),this.hasPrecedingLineBreak()&&this.raise(this.state.pos,T.LineTerminatorBeforeArrow),this.e
xpect(o.arrow),this.parseArrowExpression(t,r,!0,t)} parseDo(e){ this.expectPlugin("doExpressions"),e&&this.expect
Plugin("asyncDoExpressions");const t=this.startNode();t.async=e,this.next();const r=this.state.labels;return
this.state.labels=[],e?(this.prodParam.enter(2),t.body=this.parseBlock(),this.prodParam.exit():t.body=this.parseBloc
k(),this.state.labels=r,this.finishNode(t,"DoExpression"))parseSuper(){ const e=this.startNode();return
this.next(),!this.match(o.parenL)||this.scope.allowDirectSuper||this.options.allowSuperOutsideMethod?this.scope.all
owSuper||this.options.allowSuperOutsideMethod||this.raise(e.start,T.UnexpectedSuper):this.raise(e.start,T.SuperNot
Allowed),this.match(o.parenL)||this.match(o.bracketL)||this.match(o.dot)||this.raise(e.start,T.UnsupportedSuper),this.
finishNode(e,"Super")} parseBooleanLiteral(){ const e=this.startNode();return
e.value=this.match(o._true),this.next(),this.finishNode(e,"BooleanLiteral")} parseMaybePrivateName(e){ return
this.match(o.privateName)?(e||this.raise(this.state.start+1,T.UnexpectedPrivateField),this.parsePrivateName()):this.p
arseIdentifier(!0)} parsePrivateName(){ const e=this.startNode(),t=this.startNodeAt(this.state.start+1,new
h(this.state.curLine,this.state.start+1-this.state.lineStart)),r=this.state.value;return
this.next(),e.id=this.createIdentifier(t,r),this.finishNode(e,"PrivateName")} parseFunctionOrFunctionSent(){ const
e=this.startNode();if(this.next(),this.prodParam.hasYield&&this.match(o.dot)){ const
t=this.createIdentifier(this.startNodeAtNode(e),"function");return
this.next(),this.parseMetaProperty(e,t,"sent")}return
this.parseFunction(e)} parseMetaProperty(e,t,r){ e.meta=t,"function"===t.name&&"sent"===r&&(this.isContextual(
r)?this.expectPlugin("functionSent"):this.hasPlugin("functionSent"))||this.unexpected();const
n=this.state.containsEsc;return
e.property=this.parseIdentifier(!0),(e.property.name!==r||n)&&this.raise(e.property.start,T.UnsupportedMetaPropert
y,t.name,r),this.finishNode(e,"MetaProperty")} parseImportMetaProperty(e){ const
t=this.createIdentifier(this.startNodeAtNode(e),"import");return
this.next(),this.isContextual("meta")&&(this.inModule||this.raise(t.start,b.ImportMetaOutsideModule),this.sawUna
mbiguousESM=!0),this.parseMetaProperty(e,t,"meta")} parseLiteral(e,t,r,n){ r=r||this.state.start,n=n||this.state.startLo
c;const i=this.startNodeAt(r,n);return
this.addExtra(i,"rawValue",e),this.addExtra(i,"raw",this.input.slice(r,this.state.end)),i.value=e,this.next(),this.finishN
ode(i,t)} parseParenAndDistinguishExpression(e){ const t=this.state.start,r=this.state.startLoc;let
n;this.next(),this.expressionScope.enter(new Ce(1));const
i=this.state.maybeInArrowParameters,s=this.state.inFSharpPipelineDirectBody;this.state.maybeInArrowParameters
=!0,this.state.inFSharpPipelineDirectBody=!1;const a=this.state.start,l=this.state.startLoc,c=[],p=new
De,u={start:0};let d,h,f=!0;for(;!this.match(o.parenR);){ if(f)f=!1;else
if(this.expect(o.comma,u.start||null),this.match(o.parenR)){h=this.state.start;break}if(this.match(o.ellipsis)){ const

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e=this.state.start,t=this.state.startLoc;d=this.state.start,c.push(this.parseParenItem(this.parseRestBinding(),e,t)),this.c
heckCommaAfterRest(41);break }c.push(this.parseMaybeAssignAllowIn(p,this.parseParenItem,u))}const
m=this.state.lastTokEnd,y=this.state.lastTokEndLoc;this.expect(o.parenR),this.state.maybeInArrowParameters=i,thi
s.state.inFSharpPipelineDirectBody=s;let
T=this.startNodeAt(t,r);if(e&&this.shouldParseArrow())&&(T=this.parseArrow(T))return
this.expressionScope.validateAsPattern(),this.expressionScope.exit(),this.parseArrowExpression(T,c,!1),T;if(this.ex
pressionScope.exit(),c.length||this.unexpected(this.state.lastTokStart),h&&this.unexpected(h),d&&this.unexpected(d
),this.checkExpressionErrors(p,!0),u.start&&this.unexpected(u.start),this.toReferencedListDeep(c,!0),c.length>1?(n
=this.startNodeAt(a,l),n.expressions=c,this.finishNodeAt(n,"SequenceExpression",m,y)):n=c[0],!this.options.create
ParenthesizedExpressions)return this.addExtra(n,"parenthesized",!0),this.addExtra(n,"parenStart",t),n;const
b=this.startNodeAt(t,r);return
b.expression=n,this.finishNode(b,"ParenthesizedExpression"),b}shouldParseArrow(){return!this.canInsertSemicolon()
}parseArrow(e){if(this.eat(o.arrow))return e}parseParenItem(e,t,r){return e}parseNewOrNewTarget(){const
e=this.startNode();if(this.next(),this.match(o.dot)){const
t=this.createIdentifier(this.startNodeAtNode(e),"new");this.next();const r=this.parseMetaProperty(e,t,"target");return
this.scope.inNonArrowFunction||this.scope.inClass||this.raise(r.start,T.UnexpectedNewTarget),r}return
this.parseNew(e)}parseNew(e){return
e.callee=this.parseNoCallExpr(),"Import"===e.callee.type?this.raise(e.callee.start,T.ImportCallNotNewExpression):
this.isOptionalChain(e.callee)?this.raise(this.state.lastTokEnd,T.OptionalChainingNoNew):this.eat(o.questionDot)&
&&this.raise(this.state.start,T.OptionalChainingNoNew),this.parseNewArguments(e),this.finishNode(e,"NewExpressi
on")}parseNewArguments(e){if(this.eat(o.parenL)){const
t=this.parseExprList(o.parenR);this.toReferencedList(t),e.arguments=t}else
e.arguments=[]}parseTemplateElement(e){const t=this.startNode();return
null===this.state.value&&(e||this.raise(this.state.start+1,T.InvalidEscapeSequenceTemplate)),t.value={raw:this.inpu
t.slice(this.state.start,this.state.end).replace(/\\r\\n?/g,"\\n"),cooked:this.state.value},this.next(),t.tail=this.match(o.bac
kQuote),this.finishNode(t,"TemplateElement")}parseTemplate(e){const
t=this.startNode();this.next(),t.expressions=[];let
r=this.parseTemplateElement(e);for(t.quasis=[r];!r.tail;)this.expect(o.dollarBraceL),t.expressions.push(this.parseTe
mplateSubstitution()),this.expect(o.braceR),t.quasis.push(r=this.parseTemplateElement(e));return
this.next(),this.finishNode(t,"TemplateLiteral")}parseTemplateSubstitution(){return
this.parseExpression()}parseObjectLike(e,t,r,n){r&&this.expectPlugin("recordAndTuple");const
i=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!1;const s=Object.create(null);let
a=!0;const l=this.startNode();for(l.properties=[],this.next();!this.match(e);){if(a)a=!1;else
if(this.expect(o.comma),this.match(e)){this.addExtra(l,"trailingComma",this.state.lastTokStart);break}const
i=this.parsePropertyDefinition(t,n);t||this.checkProto(i,r,s,n),r&&!this.isObjectProperty(i)&&"SpreadElement"!==i.t
ype&&this.raise(i.start,T.InvalidRecordProperty),i.shorthand&&this.addExtra(i,"shorthand",!0),l.properties.push(i)}
this.state.exprAllowed=!1,this.next(),this.state.inFSharpPipelineDirectBody=i;let c="ObjectExpression";return
t?c="ObjectPattern":r&&(c="RecordExpression"),this.finishNode(l,c)}maybeAsyncOrAccessorProp(e){return!e.co
mputed&&"Identifier"===e.key.type&&(this.isLiteralPropertyName())||this.match(o.bracketL)||this.match(o.star))}p
arsePropertyDefinition(e,t){let
r=[];if(this.match(o.at))for(this.hasPlugin("decorators")&&this.raise(this.state.start,T.UnsupportedPropertyDecorato
r);this.match(o.at);)r.push(this.parseDecorator());const n=this.startNode();let
i,s,a=!1,l=!1,c=!1;if(this.match(o.ellipsis))return
r.length&&this.unexpected(),e?(this.next(),n.argument=this.parseIdentifier(),this.checkCommaAfterRest(125),this.fi
nishNode(n,"RestElement")):this.parseSpread();r.length&&(n.decorators=r,r=[]),n.method=!1,(e||t)&&(i=this.state.s
tart,s=this.state.startLoc),e||(a=this.eat(o.star));const
p=this.state.containsEsc,u=this.parsePropertyName(n,!1);if(!e&&!a&&!p&&this.maybeAsyncOrAccessorProp(n)){
const

```

```

e=u.name;"async"!==e||this.hasPrecedingLineBreak()||(l=!0,a=this.eat(o.star),this.parsePropertyName(n,!1)), "get"!=
=e&&"set"!==e||(c=!0,n.kind=e,this.match(o.star)&&(a=!0,this.raise(this.state.pos,T.AccessorIsGenerator,e),this.ne
xt()),this.parsePropertyName(n,!1))}return
this.parseObjPropValue(n,i,s,a,l,e,c,t,n)}getGetterSetterExpectedParamCount(e){return"get"===e.kind?0:1}getObjec
tOrClassMethodParams(e){return e.params}checkGetterSetterParams(e){var t;const
r=this.getGetterSetterExpectedParamCount(e),n=this.getObjectOrClassMethodParams(e),i=e.start;n.length!==r&&(
"get"===e.kind?this.raise(i,T.BadGetterArity):this.raise(i,T.BadSetterArity)), "set"===e.kind&&"RestElement"===(
null==(t=n[n.length-1])?void
0:t.type)&&this.raise(i,T.BadSetterRestParameter)}parseObjectMethod(e,t,r,n,i){return
i?(this.parseMethod(e,t,!1,!1,!1,"ObjectMethod"),this.checkGetterSetterParams(e),e:r||t||this.match(o.parenL)?(n&&
this.unexpected(),e.kind="method",e.method=!0,this.parseMethod(e,t,r,!1,!1,"ObjectMethod")):void
0}parseObjectProperty(e,t,r,n,i){return
e.shorthand=!1,this.eat(o.colon)?(e.value=n?this.parseMaybeDefault(this.state.start,this.state.startLoc):this.parseMa
ybeAssignAllowIn(i),this.finishNode(e,"ObjectProperty")):e.computed||"Identifier"!==e.key.type?void
0:(this.checkReservedWord(e.key.name,e.key.start,!0,!1),n?e.value=this.parseMaybeDefault(t,r,e.key.__clone()):thi
s.s.match(o.eq)&&i?(-
1===i.shorthandAssign&&(i.shorthandAssign=this.state.start),e.value=this.parseMaybeDefault(t,r,e.key.__clone()))
:e.value=e.key.__clone(),e.shorthand=!0,this.finishNode(e,"ObjectProperty"))}parseObjPropValue(e,t,r,n,i,s,a,o){co
nst l=this.parseObjectMethod(e,n,i,s,a)||this.parseObjectProperty(e,t,r,s,o);return
l||this.unexpected(),l}parsePropertyName(e,t){if(this.eat(o.bracketL))e.computed=!0,e.key=this.parseMaybeAssign
AllowIn(),this.expect(o.bracketR);else{const r=this.state.inPropertyName;this.state.inPropertyName=!0;const
n=this.state.type;e.key=n===o.num||n===o.string||n===o.bigint||n===o.decimal?this.parseExprAtom():this.parseMa
ybePrivateName(t,n)!==o.privateName&&(e.computed=!1),this.state.inPropertyName=r}return
e.key}initFunction(e,t){e.id=null,e.generator=!1,e.async=!t}parseMethod(e,t,r,n,i,s,a=!1){this.initFunction(e,r),e.ge
nerator=!t;const o=n;return
this.scope.enter(18|(a?64:0)|(i?32:0)),this.prodParam.enter(oe(r,e.generator)),this.parseFunctionParams(e,o),this.pars
eFunctionBodyAndFinish(e,s,!0),this.prodParam.exit(),this.scope.exit(),e}parseArrayLike(e,t,r,n){r&&this.expectPl
ugin("recordAndTuple");const
i=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!1;const s=this.startNode();return
this.next(),s.elements=this.parseExprList(e,!r,n,s),this.state.inFSharpPipelineDirectBody=i,this.finishNode(s,r?"Tupl
eExpression":"ArrayExpression")}parseArrowExpression(e,t,r,n){this.scope.enter(6);let
i=oe(r,!1);!this.match(o.bracketL)&&this.prodParam.hasIn&&(i=8),this.prodParam.enter(i),this.initFunction(e,r);co
nst s=this.state.maybeInArrowParameters;return
t&&(this.state.maybeInArrowParameters=!0,this.setArrowFunctionParameters(e,t,n)),this.state.maybeInArrowPara
meters=!1,this.parseFunctionBody(e,!0),this.prodParam.exit(),this.scope.exit(),this.state.maybeInArrowParameters=
s,this.finishNode(e,"ArrowFunctionExpression")}setArrowFunctionParameters(e,t,r){e.params=this.toAssignableLi
st(t,r,!1)}parseFunctionBodyAndFinish(e,t,r=!1){this.parseFunctionBody(e,!1,r),this.finishNode(e,t)}parseFunction
Body(e,t,r=!1){const
n=t&&!this.match(o.braceL);if(this.expressionScope.enter(ke()),n)e.body=this.parseMaybeAssign(),this.checkPara
ms(e,!1,t,!1);else{const
n=this.state.strict,i=this.state.labels;this.state.labels=[],this.prodParam.enter(4|this.prodParam.currentFlags()),e.body
=this.parseBlock(!0,!1,i=>{const s=!this.isSimpleParamList(e.params);if(i&&s){const
t="method"!==e.kind&&"constructor"!==e.kind||e.key?e.start:e.key.end;this.raise(t,T.IllegalLanguageModeDirecti
ve)}const
a=!n&&this.state.strict;this.checkParams(e,!this.state.strict||t||r||s),t,a),this.state.strict&&e.id&&this.checkLVal(e.id,
"function name",65,void 0,void
0,a)),this.prodParam.exit(),this.expressionScope.exit(),this.state.labels=i}}isSimpleParamList(e){for(let
t=0,r=e.length;t<r;t++)if("Identifier"!==e[t].type)return!1;return!0}checkParams(e,t,r,n=!0){const i=new

```

```

Set;for(const r of e.params)this.checkLVal(r,"function parameter list",5,t?null:i,void
0,n)}parseExprList(e,t,r,n){const i=[];let s=!0;for(;!this.eat(e);){if(s=!1;else
if(this.expect(o.comma),this.match(e)){n&&this.addExtra(n,"trailingComma",this.state.lastTokStart),this.next();break
}i.push(this.parseExprListItem(t,r))}return i}parseExprListItem(e,t,r,n){let
i;if(this.match(o.comma))e||this.raise(this.state.pos,T.UnexpectedToken,",");i=null;else
if(this.match(o.ellipsis)){const
e=this.state.start,n=this.state.startLoc;i=this.parseParenItem(this.parseSpread(t,r),e,n)}else
if(this.match(o.question)){this.expectPlugin("partialApplication"),n||this.raise(this.state.start,T.UnexpectedArgument
Placeholder);const e=this.startNode();this.next(),i=this.finishNode(e,"ArgumentPlaceholder")}else
i=this.parseMaybeAssignAllowIn(t,this.parseParenItem,r);return i}parseIdentifier(e){const
t=this.startNode(),r=this.parseIdentifierName(t.start,e);return this.createIdentifier(t,r)}createIdentifier(e,t){return
e.name=t,e.loc.identifierName=t,this.finishNode(e,"Identifier")}parseIdentifierName(e,t){let
r;const{start:n,type:i}=this.state;if(i===o.name)r=this.state.value;else{if(!i.keyword)throw
this.unexpected();{r=i.keyword;const
e=this.curContext();i!==(o._class&&i!==(o._function||e!==(x.functionStatement&&e!==(x.functionExpression||this.stat
e.context.pop()))}return
t?this.state.type=o.name:this.checkReservedWord(r,n,!i.keyword,!1),this.next(),r}checkReservedWord(e,t,r,n){if(th
is.prodParam.hasYield&&"yield"===e)return void
this.raise(t,T.YieldBindingIdentifier);if("await"===e){if(this.prodParam.hasAwait)return void
this.raise(t,T.AwaitBindingIdentifier);if(this.scope.inStaticBlock&&!this.scope.inNonArrowFunction)return void
this.raise(t,T.AwaitBindingIdentifierInStaticBlock);this.expressionScope.recordAsyncArrowParametersError(t,T.A
waitBindingIdentifier)}if(this.scope.inClass&&!this.scope.inNonArrowFunction&&"arguments"===e)return void
this.raise(t,T.ArgumentsInClass);if(r&&U(e))return void
this.raise(t,T.UnexpectedKeyword,e);(this.state.strict?n?B:F:j)(e,this.inModule)&&this.raise(t,T.UnexpectedReserve
dWord,e)}isAwaitAllowed(){return!this.prodParam.hasAwait||(!this.options.allowAwaitOutsideFunction||this.scop
e.inFunction)}parseAwait(e,t){const r=this.startNodeAt(e,t);return
this.expressionScope.recordParameterInitializerError(r.start,T.AwaitExpressionFormalParameter),this.eat(o.star)&&
this.raise(r.start,T.ObsoleteAwaitStar),this.scope.inFunction||this.options.allowAwaitOutsideFunction||(this.isAmbig
uousAwait()?this.ambiguousScriptDifferentAst=!0:this.sawUnambiguousESM=!0),this.state.soloAwait||(r.argument
=this.parseMaybeUnary(null,!0)),this.finishNode(r,"AwaitExpression")}isAmbiguousAwait(){return
this.hasPrecedingLineBreak()||this.match(o.plusMin)||this.match(o.parenL)||this.match(o.bracketL)||this.match(o.bac
kQuote)||this.match(o.regex)||this.match(o.slash)||this.hasPlugin("v8intrinsic")&&this.match(o.modulo)}parseYield
(){const e=this.startNode();return
this.expressionScope.recordParameterInitializerError(e.start,T.YieldInParameter),this.next(),this.match(o.semi)||!this
.match(o.star)&&!this.state.type.startsExpr||this.hasPrecedingLineBreak()?(e.delegate=!1,e.argument=null):(e.deleg
ate=this.eat(o.star),e.argument=this.parseMaybeAssign()),this.finishNode(e,"YieldExpression")}checkPipelineAtInf
ixOperator(e,t){"smart"===this.getPluginOption("pipelineOperator","proposal")&&"SequenceExpression"===e.type
&&this.raise(t,T.PipelineHeadSequenceExpression)}parseSmartPipelineBody(e,t,r){return
this.checkSmartPipelineBodyEarlyErrors(e,t),this.parseSmartPipelineBodyInStyle(e,t,r)}checkSmartPipelineBodyE
arlyErrors(e,t){if(this.match(o.arrow))throw
this.raise(this.state.start,T.PipelineBodyNoArrow);"SequenceExpression"===e.type&&this.raise(t,T.PipelineBodyS
equenceExpression)}parseSmartPipelineBodyInStyle(e,t,r){const
n=this.startNodeAt(t,r),i=this.isSimpleReference(e);return
i?n.callee=(this.topicReferenceWasUsedInCurrentTopicContext())||this.raise(t,T.PipelineTopicUnused),n.expressio
n=e,this.finishNode(n,i?"PipelineBareFunction":"PipelineTopicExpression");isSimpleReference(e){switch(e.type)
{case"MemberExpression":return!e.computed&&this.isSimpleReference(e.object);case"Identifier":return!0;default:re
turn!1}}withTopicPermittingContext(e){const
t=this.state.topicContext;this.state.topicContext={maxNumOfResolvableTopics:1,maxTopicIndex:null};try{return

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e()finally{this.state.topicContext=t}withTopicForbiddingContext(e){const
t=this.state.topicContext;this.state.topicContext={maxNumOfResolvableTopics:0,maxTopicIndex:null};try{return
e()finally{this.state.topicContext=t}withSoloAwaitPermittingContext(e){const
t=this.state.soloAwait;this.state.soloAwait=!0;try{return e()finally{this.state.soloAwait=t}allowInAnd(e){const
t=this.prodParam.currentFlags();if(8&~t){this.prodParam.enter(8|t);try{return
e()finally{this.prodParam.exit()}}return e()}disallowInAnd(e){const
t=this.prodParam.currentFlags();if(8&t){this.prodParam.enter(-9&t);try{return
e()finally{this.prodParam.exit()}}return
e()}registerTopicReference(){this.state.topicContext.maxTopicIndex=0}primaryTopicReferenceIsAllowedInCurrent
TopicContext(){return
this.state.topicContext.maxNumOfResolvableTopics>=1}topicReferenceWasUsedInCurrentTopicContext(){return
null!=this.state.topicContext.maxTopicIndex&&this.state.topicContext.maxTopicIndex>=0}parseFSharpPipelineBo
dy(e){const t=this.state.start,r=this.state.startLoc;this.state.potentialArrowAt=this.state.start;const
n=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!0;const
i=this.parseExprOp(this.parseMaybeUnary(),t,r,e);return
this.state.inFSharpPipelineDirectBody=n,i}parseModuleExpression(){this.expectPlugin("moduleBlocks");const
e=this.startNode();this.next(),this.eat(o.braceL);const t=this.initializeScopes(!0);this.enterInitialScopes();const
r=this.startNode();try{e.body=this.parseProgram(r,o.braceR,"module")}finally{t()}return
this.eat(o.braceR),this.finishNode(e,"ModuleExpression")}}{parseTopLevel(e,t){return
e.program=this.parseProgram(t),e.comments=this.state.comments,this.options.tokens&&(e.tokens=function(e){for(l
et t=0;t<e.length;t++){const r=e[t];if(r.type===o.privateName){const{loc:n,start:i,value:s,end:a}=r,l=i+1,c=new
h(n.start.line,n.start.column+1);e.splice(t,l,new
Ae({type:o.hash,value:"#",start:i,end:l,startLoc:n.start,endLoc:c}),new
Ae({type:o.name,value:s,start:l,end:a,startLoc:c,endLoc:n.end})}})}return
e}(this.tokens),this.finishNode(e,"File")}parseProgram(e,t=o.eof,r=this.options.sourceType){if(e.sourceType=r,e.in
terpreter=this.parseInterpreterDirective(),this.parseBlockBody(e,!0,!0,t),this.inModule&&!this.options.allowUndecl
aredExports&&this.scope.undefinedExports.size>0)for(const[e]of Array.from(this.scope.undefinedExports)){const
t=this.scope.undefinedExports.get(e);this.raise(t,T.ModuleExportUndefined,e)}return
this.finishNode(e,"Program")}stmtToDirective(e){const
t=e.expression,r=this.startNodeAt(t.start,t.loc.start),n=this.startNodeAt(e.start,e.loc.start),i=this.input.slice(t.start,t.en
d),s=r.value=i.slice(1,-1);return
this.addExtra(r,"raw",i),this.addExtra(r,"rawValue",s),n.value=this.finishNodeAt(r,"DirectiveLiteral",t.end,t.loc.end)
,this.finishNodeAt(n,"Directive",e.end,e.loc.end)}parseInterpreterDirective(){if(!this.match(o.interpreterDirective))r
eturn null;const e=this.startNode();return
e.value=this.state.value,this.next(),this.finishNode(e,"InterpreterDirective")}isLet(e){return!!this.isContextual("let")
&&this.isLetKeyword(e)}isLetKeyword(e){const
t=this.nextTokenStart(),r=this.input.charCodeAt(t);if(92===r||91===r)return!0;if(e)return!1;if(123===r)return!0;if(
C(r)){let e=t+1;for(;N(this.input.charCodeAt(e));)++e;const
r=this.input.slice(t,e);if(!V.test(r))return!0}return!1}parseStatement(e,t){return
this.match(o.at)&&this.parseDecorators(!0),this.parseStatementContent(e,t)}parseStatementContent(e,t){let
r=this.state.type;const n=this.startNode();let i;switch(this.isLet(e)&&(r=o._var,i="let"),r){case o._break:case
o._continue:return this.parseBreakContinueStatement(n,r.keyword);case o._debugger:return
this.parseDebuggerStatement(n);case o._do:return this.parseDoStatement(n);case o._for:return
this.parseForStatement(n);case o._function:if(46===this.lookaheadCharCode())break;return
e&&(this.state.strict?this.raise(this.state.start,T.StrictFunction):"if"!==e&&"label"!==e&&this.raise(this.state.start,
T.SloppyFunction)),this.parseFunctionStatement(n,!1,!e);case o._class:return
e&&this.unexpected(),this.parseClass(n,!0);case o._if:return this.parseIfStatement(n);case o._return:return
this.parseReturnStatement(n);case o._switch:return this.parseSwitchStatement(n);case o._throw:return

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this.parseThrowStatement(n);case o._try:return this.parseTryStatement(n);case o._const:case o._var:return
i=i||this.state.value,e&&"var"!==i&&this.raise(this.state.start,T.UnexpectedLexicalDeclaration),this.parseVarStatem
ent(n,i);case o._while:return this.parseWhileStatement(n);case o._with:return this.parseWithStatement(n);case
o.braceL:return this.parseBlock();case o.semi:return this.parseEmptyStatement(n);case o._import:{const
e=this.lookaheadCharCode();if(40===e||46===e)break}case o._export:{let e;return
this.options.allowImportExportEverywhere||t||this.raise(this.state.start,T.UnexpectedImportExport),this.next(),r===o
._import?(e=this.parseImport(n),"ImportDeclaration"!==e.type||e.importKind&&"value"!==e.importKind||(this.saw
UnambiguousESM=!0)):(e=this.parseExport(n),"ExportNamedDeclaration"!==e.type||e.exportKind&&"value"!==e
.exportKind)&&("ExportAllDeclaration"!==e.type||e.exportKind&&"value"!==e.exportKind)&&"ExportDefaultDe
claration"!==e.type||(this.sawUnambiguousESM=!0)),this.assertModuleNodeAllowed(n,e)}default:if(this.isAsyncFu
nction())return
e&&this.raise(this.state.start,T.AsyncFunctionInSingleStatementContext),this.next(),this.parseFunctionStatement(n,
!0,!e)}const s=this.state.value,a=this.parseExpression();return
r===o.name&&"Identifier"===a.type&&this.eat(o.colon)?this.parseLabeledStatement(n,s,a,e):this.parseExpression
Statement(n,a)}assertModuleNodeAllowed(e){this.options.allowImportExportEverywhere||this.inModule||this.raise(
e.start,b.ImportOutsideModule)}takeDecorators(e){const
t=this.state.decoratorStack[this.state.decoratorStack.length-
1];t.length&&(e.decorators=t,this.resetStartLocationFromNode(e,t[0]),this.state.decoratorStack[this.state.decoratorS
tack.length-1]=[])}canHaveLeadingDecorator(){return this.match(o._class)}parseDecorators(e){const
t=this.state.decoratorStack[this.state.decoratorStack.length-1];for(;this.match(o.at);){const
e=this.parseDecorator();t.push(e)}if(this.match(o._export)e||this.unexpected(),this.hasPlugin("decorators")&&!this.
getPluginOption("decorators","decoratorsBeforeExport")&&this.raise(this.state.start,T.DecoratorExportClass);else
if(!this.canHaveLeadingDecorator())throw
this.raise(this.state.start,T.UnexpectedLeadingDecorator)}parseDecorator(){this.expectOnePlugin(["decorators-
legacy","decorators"]);const
e=this.startNode();if(this.next(),this.hasPlugin("decorators")){this.state.decoratorStack.push([]);const
t=this.state.start,r=this.state.startLoc;let n;if(this.eat(o.parenL))n=this.parseExpression(),this.expect(o.parenR);else
for(n=this.parseIdentifier(!1);this.eat(o.dot);){const
e=this.startNodeAt(t,r);e.object=n,e.property=this.parseIdentifier(!0),e.computed=!1,n=this.finishNode(e,"MemberE
xpression")}e.expression=this.parseMaybeDecoratorArguments(n),this.state.decoratorStack.pop()}else
e.expression=this.parseExprSubscripts();return
this.finishNode(e,"Decorator")}parseMaybeDecoratorArguments(e){if(this.eat(o.parenL)){const
t=this.startNodeAtNode(e);return
t.callee=e,t.arguments=this.parseCallExpressionArguments(o.parenR,!1),this.toReferencedList(t.arguments),this.fini
shNode(t,"CallExpression")}return e}parseBreakContinueStatement(e,t){const r="break"===t;return
this.next(),this.isLineTerminator()?e.label=null:(e.label=this.parseIdentifier(),this.semicolon(),this.verifyBreakCont
inue(e,t),this.finishNode(e,r?"BreakStatement":"ContinueStatement"))}verifyBreakContinue(e,t){const
r="break"===t;let n;for(n=0;n<this.state.labels.length;++n){const
t=this.state.labels[n];if(null===e.label||t.name===e.label.name){if(null!=t.kind&&(r||"loop"===t.kind))break;if(e.labe
l&&r)break}}n===this.state.labels.length&&this.raise(e.start,T.IllegalBreakContinue,t)}parseDebuggerStatement(e
){return
this.next(),this.semicolon(),this.finishNode(e,"DebuggerStatement")}parseHeaderExpression(){this.expect(o.parenL
);const e=this.parseExpression();return this.expect(o.parenR),e}parseDoStatement(e){return
this.next(),this.state.labels.push(Me),e.body=this.withTopicForbiddingContext(=>this.parseStatement("do")),this.s
tate.labels.pop(),this.expect(o._while),e.test=this.parseHeaderExpression(),this.eat(o.semi),this.finishNode(e,"DoWh
ileStatement")}parseForStatement(e){this.next(),this.state.labels.push(Me);let t=-
1;if(this.isAwaitAllowed())&&this.eatContextual("await")&&(t=this.state.lastTokStart),this.scope.enter(0),this.expec
t(o.parenL),this.match(o.semi))return t>-1&&this.unexpected(t),this.parseFor(e,null);const

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```

r=this.isContextual("let"),n=r&&this.isLetKeyword();if(this.match(o._var)||this.match(o._const)||n){const
r=this.startNode(),i=n?"let":this.state.value;return
this.next(),this.parseVar(r,!0,i),this.finishNode(r,"VariableDeclaration"),(this.match(o._in)||this.isContextual("of"))
&&1===r.declarations.length?this.parseForIn(e,r,t):(t>-1&&this.unexpected(t),this.parseFor(e,r))}const
i=this.match(o.name)&&!this.state.containsEsc,s=new
De,a=this.parseExpression(!0,s),l=this.isContextual("of");if(1&&(r?this.raise(a.start,T.ForOfLet):-
1===t&&i&&"Identifier"===a.type&&"async"===a.name&&this.raise(a.start,T.ForOfAsync)),l||this.match(o._in))
{this.toAssignable(a,!0);const r=l?"for-of statement":"for-in statement";return
this.checkLVal(a,r),this.parseForIn(e,a,t)}return this.checkExpressionErrors(s,!0),t>-
1&&this.unexpected(t),this.parseFor(e,a)}parseFunctionStatement(e,t,r){return
this.next(),this.parseFunction(e,l|(r?0:2),t)}parseIfStatement(e){return
this.next(),e.test=this.parseHeaderExpression(),e.consequent=this.parseStatement("if"),e.alternate=this.eat(o._else)?t
his.parseStatement("if"):null,this.finishNode(e,"IfStatement")}parseReturnStatement(e){return
this.prodParam.hasReturn||this.options.allowReturnOutsideFunction||this.raise(this.state.start,T.IllegalReturn),this.ne
xt(),this.isLineTerminator()?e.argument=null:(e.argument=this.parseExpression(),this.semicolon()),this.finishNode(
e,"ReturnStatement")}parseSwitchStatement(e){this.next(),e.discriminant=this.parseHeaderExpression();const
t=e.cases=[];let
r,n;for(this.expect(o.braceL),this.state.labels.push(je),this.scope.enter(0);!this.match(o.braceR);if(this.match(o._cas
e)||this.match(o._default)){const
e=this.match(o._case);r&&this.finishNode(r,"SwitchCase"),t.push(r=this.startNode()),r.consequent=[],this.next(),e?r
.test=this.parseExpression():(n&&this.raise(this.state.lastTokStart,T.MultipleDefaultsInSwitch),n=!0,r.test=null),this
.expect(o.colon)}else r?r.consequent.push(this.parseStatement(null)):this.unexpected();return
this.scope.exit(),r&&this.finishNode(r,"SwitchCase"),this.next(),this.state.labels.pop(),this.finishNode(e,"SwitchStat
ement")}parseThrowStatement(e){return
this.next(),this.hasPrecedingLineBreak()&&this.raise(this.state.lastTokEnd,T.NewlineAfterThrow),e.argument=this
.parseExpression(),this.semicolon(),this.finishNode(e,"ThrowStatement")}parseCatchClauseParam(){const
e=this.parseBindingAtom(),t="Identifier"===e.type;return this.scope.enter(t?8:0),this.checkLVal(e,"catch
clause",9),e}parseTryStatement(e){if(this.next(),e.block=this.parseBlock(),e.handler=null,this.match(o._catch)){con
st
t=this.startNode();this.next(),this.match(o.parenL)?(this.expect(o.parenL),t.param=this.parseCatchClauseParam(),thi
s.expect(o.parenR):(t.param=null,this.scope.enter(0)),t.body=this.withTopicForbiddingContext(=>this.parseBlock
(!1,!1)),this.scope.exit(),e.handler=this.finishNode(t,"CatchClause")}return
e.finalizer=this.eat(o._finally)?this.parseBlock():null,e.handler||e.finalizer||this.raise(e.start,T.NoCatchOrFinally),this
.finishNode(e,"TryStatement")}parseVarStatement(e,t){return
this.next(),this.parseVar(e,!1,t),this.semicolon(),this.finishNode(e,"VariableDeclaration")}parseWhileStatement(e){r
eturn
this.next(),e.test=this.parseHeaderExpression(),this.state.labels.push(Me),e.body=this.withTopicForbiddingContext(
=>this.parseStatement("while")),this.state.labels.pop(),this.finishNode(e,"WhileStatement")}parseWithStatement(e
){return
this.state.strict&&this.raise(this.state.start,T.StrictWith),this.next(),e.object=this.parseHeaderExpression(),e.body=th
is.withTopicForbiddingContext(=>this.parseStatement("with")),this.finishNode(e,"WithStatement")}parseEmptyS
tatement(e){return this.next(),this.finishNode(e,"EmptyStatement")}parseLabeledStatement(e,t,r,n){for(const e of
this.state.labels)e.name===t&&this.raise(r.start,T.LabelRedeclaration,t);const
i=this.state.type.isLoop?"loop":this.match(o._switch)?"switch":null;for(let t=this.state.labels.length-1;t>=0;t--
){const r=this.state.labels[t];if(r.statementStart!==e.start)break;r.statementStart=this.state.start,r.kind=i}return
this.state.labels.push({name:t,kind:i,statementStart:this.state.start}),e.body=this.parseStatement(n?-
1===n.indexOf("label"?n+"label":n:"label"),this.state.labels.pop(),e.label=r,this.finishNode(e,"LabeledStatement")
}parseExpressionStatement(e,t){return

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e.expression=t,this.semicolon(),this.finishNode(e,"ExpressionStatement")}parseBlock(e=!1,t=!0,r){const
n=this.startNode();return
e&&this.state.strictErrors.clear(),this.expect(o.braceL),t&&this.scope.enter(0),this.parseBlockBody(n,e,!1,o.braceR,
r),t&&this.scope.exit(),this.finishNode(n,"BlockStatement")}isValidDirective(e){return"ExpressionStatement"===e
.type&&"StringLiteral"===e.expression.type&&!e.expression.extra.parenthesized}parseBlockBody(e,t,r,n,i){const
s=e.body=[],a=e.directives=[];this.parseBlockOrModuleBlockBody(s,t?a:void
0,r,n,i)}parseBlockOrModuleBlockBody(e,t,r,n,i){const s=this.state.strict;let a=!1,o=!1;for(;!this.match(n);){const
n=this.parseStatement(null,r);if(t&&!o){if(this.isValidDirective(n)){const
e=this.stmtToDirective(n);t.push(e),a||"use
strict"!==e.value.value||(a=!0,this.setStrict(!0));continue }o=!0,this.state.strictErrors.clear()}e.push(n)}i&&i.call(this
,a),s||this.setStrict(!1),this.next()}parseFor(e,t){return
e.init=t,this.semicolon(!1),e.test=this.match(o.semi)?null:this.parseExpression(),this.semicolon(!1),e.update=this.ma
tch(o.parenR)?null:this.parseExpression(),this.expect(o.parenR),e.body=this.withTopicForbiddingContext(=>this.
parseStatement("for")),this.scope.exit(),this.state.labels.pop(),this.finishNode(e,"ForStatement")}parseForIn(e,t,r){c
onst n=this.match(o._in);return this.next(),n?r>-1&&this.unexpected(r):e.await=r>-
1,"VariableDeclaration"!==t.type||null===t.declarations[0].init||n&&!this.state.strict&&"var"===t.kind&&"Identifier
"===t.declarations[0].id.type?"AssignmentPattern"===t.type&&this.raise(t.start,T.InvalidLhs,"for-
loop"):this.raise(t.start,T.ForInOfLoopInitializer,n?"for-in":"for-
of"),e.left=t,e.right=n?this.parseExpression():this.parseMaybeAssignAllowIn(),this.expect(o.parenR),e.body=this.wi
thTopicForbiddingContext(=>this.parseStatement("for")),this.scope.exit(),this.state.labels.pop(),this.finishNode(e,
n?"ForInStatement":"ForOfStatement")}parseVar(e,t,r){const
n=e.declarations=[],i=this.hasPlugin("typescript");for(e.kind=r;){const
e=this.startNode();if(this.parseVarId(e,r),this.eat(o.eq)?e.init=t?this.parseMaybeAssignDisallowIn():this.parseMayb
eAssignAllowIn():"const"!==r||this.match(o._in)||this.isContextual("of")?"Identifier"===e.id.type||t&&(this.match(
o._in)||this.isContextual("of"))||this.raise(this.state.lastTokEnd,T.DeclarationMissingInitializer,"Complex binding
patterns"):i||this.raise(this.state.lastTokEnd,T.DeclarationMissingInitializer,"Const
declarations"),e.init=null),n.push(this.finishNode(e,"VariableDeclarator")),!this.eat(o.comma))break }return
e}parseVarId(e,t){e.id=this.parseBindingAtom(),this.checkLVal(e.id,"variable declaration","var"===t?5:9,void
0,"var"!==t)}parseFunction(e,t=0,r=!1){const
n=1&t,i=2&t,s=!(!n||4&t);this.initFunction(e,r),this.match(o.star)&&i&&this.raise(this.state.start,T.GeneratorInSing
leStatementContext),e.generator=this.eat(o.star),n&&(e.id=this.parseFunctionId(s));const
a=this.state.maybeInArrowParameters;return
this.state.maybeInArrowParameters=!1,this.scope.enter(2),this.prodParam.enter(oe(r,e.generator)),n||(e.id=this.parse
FunctionId()),this.parseFunctionParams(e,!1),this.withTopicForbiddingContext(=>{this.parseFunctionBodyAndFi
nish(e,n?"FunctionDeclaration":"FunctionExpression"))},this.prodParam.exit(),this.scope.exit(),n&&!i&&this.regist
erFunctionStatementId(e),this.state.maybeInArrowParameters=a,e }parseFunctionId(e){return
e||this.match(o.name)?this.parseIdentifier():null}parseFunctionParams(e,t){this.expect(o.parenL),this.expressionSco
pe.enter(new
Ie(3)),e.params=this.parseBindingList(o.parenR,41,!1,t),this.expressionScope.exit()}registerFunctionStatementId(e)
{e.id&&this.scope.declareName(e.id.name,this.state.strict||e.generator||e.async?this.scope.treatFunctionsAsVar?5:9:
17,e.id.start)}parseClass(e,t,r){this.next(),this.takeDecorators(e);const n=this.state.strict;return
this.state.strict=!0,this.parseClassId(e,t,r),this.parseClassSuper(e),e.body=this.parseClassBody(!e.superClass,n),this
.finishNode(e,t?"ClassDeclaration":"ClassExpression")}isClassProperty(){return
this.match(o.eq)||this.match(o.semi)||this.match(o.braceR)}isClassMethod(){return
this.match(o.parenL)}isNonstaticConstructor(e){return!(e.computed||e.static||"constructor"!==e.key.name&&"constr
uctor"!==e.key.value)}parseClassBody(e,t){this.classScope.enter();const
r={hadConstructor:!1,hadSuperClass:e};let n=[];const
i=this.startNode();if(i.body=[],this.expect(o.braceL),this.withTopicForbiddingContext(=>{for(;!this.match(o.brace

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R);){if(this.eat(o.semi)){if(n.length>0)throw
this.raise(this.state.lastTokEnd,T.DecoratorSemicolon);continue}if(this.match(o.at)){n.push(this.parseDecorator());c
ontinue}const
e=this.startNode();n.length&&(e.decorators=n,this.resetStartLocationFromNode(e,n[0],n=[]),this.parseClassMemb
er(i,e,r),"constructor"===e.kind&&e.decorators&&e.decorators.length>0&&this.raise(e.start,T.DecoratorConstructo
r)})),this.state.strict=t,this.next(),n.length)throw this.raise(this.state.start,T.TrailingDecorator);return
this.classScope.exit(),this.finishNode(i,"ClassBody")}}parseClassMemberFromModifier(e,t){const
r=this.parseIdentifier(!0);if(this.isClassMethod()){const n=t;return
n.kind="method",n.computed=!1,n.key=r,n.static=!1,this.pushClassMethod(e,n,!1,!1,!1,!1,!0)if(this.isClassPropert
y()){const n=t;return
n.computed=!1,n.key=r,n.static=!1,e.body.push(this.parseClassProperty(n),!0}return!1}parseClassMember(e,t,r){c
onst
n=this.isContextual("static");if(n){if(this.parseClassMemberFromModifier(e,t))return;if(this.eat(o.braceL))return
void
this.parseClassStaticBlock(e,t)}this.parseClassMemberWithIsStatic(e,t,r,n)}parseClassMemberWithIsStatic(e,t,r,n){
const i=t,s=t,a=t,l=t,c=i,p=i;if(t.static=n,this.eat(o.star)){c.kind="method";const t=this.match(o.privateName);return
this.parseClassElementName(c),t?void
this.pushClassPrivateMethod(e,s,!0,!1):(this.isNonstaticConstructor(i)&&this.raise(i.key.start,T.ConstructorIsGener
ator),void this.pushClassMethod(e,i,!0,!1,!1,!1))}const
u=this.state.containsEsc,d=this.match(o.privateName),h=this.parseClassElementName(t),f="Identifier"===h.type,m
=this.state.start;if(this.parsePostMemberNameModifiers(p),this.isClassMethod()){if(c.kind="method",d)return void
this.pushClassPrivateMethod(e,s,!1,!1);const n=this.isNonstaticConstructor(i);let
a=!1;n&&(i.kind="constructor",r.hadConstructor&&!this.hasPlugin("typescript")&&this.raise(h.start,T.DuplicateCo
nstructor),n&&this.hasPlugin("typescript")&&t.override&&this.raise(h.start,T.OverrideOnConstructor),r.hadConstr
uctor=!0,a=r.hadSuperClass),this.pushClassMethod(e,i,!1,!1,n,a)}else
if(this.isClassProperty())d?this.pushClassPrivateProperty(e,l):this.pushClassProperty(e,a);else
if(!f||"async"!==h.name||u||this.isLineTerminator())if(!f||"get"!==h.name&&"set"!==h.name||u||this.match(o.star)&&
this.isLineTerminator())this.isLineTerminator()?d?this.pushClassPrivateProperty(e,l):this.pushClassProperty(e,a):thi
s.unexpected();else{c.kind=h.name;const
t=this.match(o.privateName);this.parseClassElementName(i),t?this.pushClassPrivateMethod(e,s,!1,!1):(this.isNonst
aticConstructor(i)&&this.raise(i.key.start,T.ConstructorIsAccessor),this.pushClassMethod(e,i,!1,!1,!1,!1),this.check
GetterSetterParams(i)}else{const t=this.eat(o.star);p.optional&&this.unexpected(m),c.kind="method";const
r=this.match(o.privateName);this.parseClassElementName(c),this.parsePostMemberNameModifiers(p),r?this.pushC
lassPrivateMethod(e,s,t,!0):(this.isNonstaticConstructor(i)&&this.raise(i.key.start,T.ConstructorIsAsync),this.pushC
lassMethod(e,i,t,!0,!1,!1))}parseClassElementName(e){const{type:t,value:r,start:n}=this.state;return
t===o.name&&t===o.string||!e.static||"prototype"===r||this.raise(n,T.StaticPrototype),t===o.privateName&&"constr
uctor"===r&&this.raise(n,T.ConstructorClassPrivateField),this.parsePropertyName(e,!0)}parseClassStaticBlock(e,t
){var r;this.expectPlugin("classStaticBlock",t.start),this.scope.enter(208);const
n=this.state.labels;this.state.labels=[],this.prodParam.enter(0);const
i=t.body=[];this.parseBlockOrModuleBlockBody(i,void
0,!1,o.braceR),this.prodParam.exit(),this.scope.exit(),this.state.labels=n,e.body.push(this.finishNode(t,"StaticBlock"
),null!=(r=t.decorators)&&r.length&&this.raise(t.start,T.DecoratorStaticBlock)}pushClassProperty(e,t){t.computed||
"constructor"!==t.key.name&&"constructor"!==t.key.value||this.raise(t.key.start,T.ConstructorClassField),e.body.pu
sh(this.parseClassProperty(t))pushClassPrivateProperty(e,t){const
r=this.parseClassPrivateProperty(t);e.body.push(r),this.classScope.declarePrivateName(this.getPrivateNameSV(r.ke
y),0,r.key.start)}pushClassMethod(e,t,r,n,i,s){e.body.push(this.parseMethod(t,r,n,i,s,"ClassMethod",!0))pushClass
PrivateMethod(e,t,r,n){const i=this.parseMethod(t,r,n,!1,!1,"ClassPrivateMethod",!0);e.body.push(i);const
s="get"===i.kind?i.static?6:2:"set"===i.kind?i.static?5:1:0;this.classScope.declarePrivateName(this.getPrivateName

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SV(i.key),s,i.key.start) } parsePostMemberNameModifiers(e) { } parseClassPrivateProperty(e) { return
this.parseInitializer(e),this.semicolon(),this.finishNode(e,"ClassPrivateProperty")} parseClassProperty(e) { return
this.parseInitializer(e),this.semicolon(),this.finishNode(e,"ClassProperty")} parseInitializer(e) { this.scope.enter(80),th
is.expressionScope.enter(ke()),this.prodParam.enter(0),e.value=this.eat(o.eq)?this.parseMaybeAssignAllowIn():null,
this.expressionScope.exit(),this.prodParam.exit(),this.scope.exit()} parseClassId(e,t,r,n=139) { this.match(o.name)?(e.i
d=this.parseIdentifier(),t&&this.checkLVal(e.id,"class
name",n)):r!|t?e.id=null:this.unexpected(null,T.MissingClassName)} parseClassSuper(e) { e.superClass=this.eat(o._e
xtends)?this.parseExprSubscripts():null } parseExport(e) { const
t=this.maybeParseExportDefaultSpecifier(e),r=!|this.eat(o.comma),n=r&&this.eatExportStar(e),i=n&&this.maybeP
arseExportNamespaceSpecifier(e),s=r&&(!|this.eat(o.comma)),a=t|n;if(n&&!i)return
t&&this.unexpected(),this.parseExportFrom(e,!0),this.finishNode(e,"ExportAllDeclaration");const
l=this.maybeParseExportNamedSpecifiers(e);if(t&&r&&!n&&!|i&&s&&!|)throw
this.unexpected(null,o.braceL);let
c;if(a||l?(c=!1,this.parseExportFrom(e,a)):c=this.maybeParseExportDeclaration(e,a||l|c)return
this.checkExport(e,!0,!1,!e.source),this.finishNode(e,"ExportNamedDeclaration");if(this.eat(o._default))return
e.declaration=this.parseExportDefaultExpression(),this.checkExport(e,!0,!0),this.finishNode(e,"ExportDefaultDecla
ration");throw this.unexpected(null,o.braceL)} eatExportStar(e) { return
this.eat(o.star)} maybeParseExportDefaultSpecifier(e) { if(this.isExportDefaultSpecifier()){ this.expectPlugin("export
DefaultFrom");const t=this.startNode();return
t.exported=this.parseIdentifier(!0),e.specifiers=[this.finishNode(t,"ExportDefaultSpecifier"),!0] return!1 } maybePars
eExportNamespaceSpecifier(e) { if(this.isContextual("as")) { e.specifiers||(e.specifiers=[]);const
t=this.startNodeAt(this.state.lastTokStart,this.state.lastTokStartLoc);return
this.next(),t.exported=this.parseModuleExportName(),e.specifiers.push(this.finishNode(t,"ExportNamespaceSpecifi
er"),!0} return!1 } maybeParseExportNamedSpecifiers(e) { return!|this.match(o.braceL)&&(e.specifiers||(e.specifiers=
[]),e.specifiers.push(...this.parseExportSpecifiers()),e.source=null,e.declaration=null,!0) } maybeParseExportDeclarat
ion(e) { return!|this.shouldParseExportDeclaration()&&(e.specifiers=[],e.source=null,e.declaration=this.parseExport
Declaration(e,!0))isAsyncFunction() { if(!this.isContextual("async"))return!1;const
e=this.nextTokenStart();return!l.test(this.input.slice(this.state.pos,e))&&this.isUnparsedContextual(e,"function")} pa
rseExportDefaultExpression() { const e=this.startNode(),t=this.isAsyncFunction();if(this.match(o._function)||t)return
this.next(),t&&this.next(),this.parseFunction(e,5,t);if(this.match(o._class))return
this.parseClass(e,!0,!0);if(this.match(o.at))return
this.hasPlugin("decorators")&&this.getPluginOption("decorators","decoratorsBeforeExport")&&this.raise(this.state.
start,T.DecoratorBeforeExport),this.parseDecorators(!1),this.parseClass(e,!0,!0);if(this.match(o._const)||this.match(
o._var)||this.isLet())throw this.raise(this.state.start,T.UnsupportedDefaultExport);{ const
e=this.parseMaybeAssignAllowIn();return this.semicolon(),e } } parseExportDeclaration(e) { return
this.parseStatement(null)} isExportDefaultSpecifier() { if(this.match(o.name)) { const
e=this.state.value;if("async"===e&&!this.state.containsEsc||"let"===e)return!1;if(("type"===e||"interface"===e)&&
!this.state.containsEsc) { const
e=this.lookahead();if(e.type===o.name&&"from"!===e.value||e.type===o.braceL)return
this.expectOnePlugin(["flow","typescript"],!1) } else if(!this.match(o._default))return!1;const
e=this.nextTokenStart(),t=this.isUnparsedContextual(e,"from");if(44===this.input.charCodeAtAt(e)||this.match(o.nam
e)&&t)return!0;if(this.match(o._default)&&t) { const t=this.input.charCodeAtAt(this.nextTokenStartSince(e+4));return
34===t||39===t} return!1 } } parseExportFrom(e,t) { if(this.eatContextual("from")) { e.source=this.parseImportSource(),t
his.checkExport(e);const t=this.maybeParseImportAssertions();t&&(e.assertions=t) } else
t?this.unexpected():e.source=null,this.semicolon() } shouldParseExportDeclaration() { if(this.match(o.at)&&(this.expe
ctOnePlugin(["decorators","decorators-
legacy"]),this.hasPlugin("decorators"))){ if(!this.getPluginOption("decorators","decoratorsBeforeExport"))return!0;t
his.unexpected(this.state.start,T.DecoratorBeforeExport)} return"var"===this.state.type.keyword||"const"===this.stat

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e.type.keyword||"function"===this.state.type.keyword||"class"===this.state.type.keyword||this.isLet()||this.isAsyncFunction()
checkExport(e,t,r,n){if(t)if(r){if(this.checkDuplicateExports(e,"default"),this.hasPlugin("exportDefaultFrom")){var i;const t=e.declaration;"Identifier"!==t.type||"from"!==t.name||t.end-
t.start!=4||null!=(i=t.extra)&&i.parenthesized||this.raise(t.start,T.ExportDefaultFromAsIdentifier)}}else
if(e.specifiers&&e.specifiers.length)for(const t of
e.specifiers){const{exported:e}=t,r="Identifier"===e.type?e.name:e.value;if(this.checkDuplicateExports(t,r,!n&&t.local){const{local:e}=t;"StringLiteral"===e.type?this.raise(t.start,T.ExportBindingIsString,e.value,r):(this.checkReservedWord(e.name,e.start,!0,!1),this.scope.checkLocalExport(e))}}else
if(e.declaration)if("FunctionDeclaration"===e.declaration.type||"ClassDeclaration"===e.declaration.type){const t=e.declaration.id;if(!t)throw new Error("Assertion failure");this.checkDuplicateExports(e,t.name)}else
if("VariableDeclaration"===e.declaration.type)for(const t of
e.declaration.declarations)this.checkDeclaration(t.id);if(this.state.decoratorStack[this.state.decoratorStack.length-1].length)throw
this.raise(e.start,T.UnsupportedDecoratorExport)}checkDeclaration(e){if("Identifier"===e.type)this.checkDuplicateExports(e,e.name);else if("ObjectPattern"===e.type)for(const t of e.properties)this.checkDeclaration(t);else
if("ArrayPattern"===e.type)for(const t of
e.elements)t&&this.checkDeclaration(t);else"ObjectProperty"===e.type?this.checkDeclaration(e.value):"RestElement"===e.type?this.checkDeclaration(e.argument):"AssignmentPattern"===e.type&&this.checkDeclaration(e.left)}checkDuplicateExports(e,t){this.state.exportedIdentifiers.indexOf(t)>-1&&this.raise(e.start,"default"===t?T.DuplicateDefaultExport:T.DuplicateExport,t),this.state.exportedIdentifiers.push(t)}parseExportSpecifiers(){const e=[];let t=!0;for(this.expect(o.braceL);!this.eat(o.braceR);){if(t)!!1;else
if(this.expect(o.comma),this.eat(o.braceR))break;const
r=this.startNode();r.local=this.parseModuleExportName(),r.exported=this.eatContextual("as"?this.parseModuleExportName():r.local.__clone()),e.push(this.finishNode(r,"ExportSpecifier"))}return
e}parseModuleExportName(){if(this.match(o.string)){const
e=this.parseLiteral(this.state.value,"StringLiteral"),t=e.value.match(Fe);return
t&&this.raise(e.start,T.ModuleExportNameHasLoneSurrogate,t[0].charCodeAt(0).toString(16)),e}return
this.parseIdentifier(!0)}parseImport(e){if(e.specifiers=[],!this.match(o.string)){const
t=!this.maybeParseDefaultImportSpecifier(e)||this.eat(o.comma),r=t&&this.maybeParseStarImportSpecifier(e);t&&r&&this.parseNamedImportSpecifiers(e),this.expectContextual("from")}e.source=this.parseImportSource();const
t=this.maybeParseImportAssertions();if(t)e.assertions=t;else{const
t=this.maybeParseModuleAttributes();t&&(e.attributes=t)}return
this.semicolon(),this.finishNode(e,"ImportDeclaration")}parseImportSource(){return
this.match(o.string)||this.unexpected(),this.parseExprAtom()}shouldParseDefaultImport(e){return
this.match(o.name)}parseImportSpecifierLocal(e,t,r,n){t.local=this.parseIdentifier(),this.checkLVal(t.local,n,9),e.specifiers.push(this.finishNode(t,r))}parseAssertEntries(){const e=[],t=new
Set;do{if(this.match(o.braceR))break;const
r=this.startNode(),n=this.state.value;if(this.match(o.string)?r.key=this.parseLiteral(n,"StringLiteral"):r.key=this.parseIdentifier(!0),this.expect(o.colon),"type"!==n&&this.raise(r.key.start,T.ModuleAttributeDifferentFromType,n),t.has(n)&&this.raise(r.key.start,T.ModuleAttributesWithDuplicateKeys,n),t.add(n,!this.match(o.string))}throw
this.unexpected(this.state.start,T.ModuleAttributeInvalidValue);r.value=this.parseLiteral(this.state.value,"StringLiteral"),this.finishNode(r,"ImportAttribute"),e.push(r)}while(this.eat(o.comma));return
e}maybeParseModuleAttributes(){if(!this.match(o._with)||this.hasPrecedingLineBreak())return
this.hasPlugin("moduleAttributes")?[]:null;this.expectPlugin("moduleAttributes"),this.next();const e=[],t=new
Set;do{const
r=this.startNode();if(r.key=this.parseIdentifier(!0),"type"!==r.key.name&&this.raise(r.key.start,T.ModuleAttributeDifferentFromType,r.key.name),t.has(r.key.name)&&this.raise(r.key.start,T.ModuleAttributesWithDuplicateKeys,r.key.name),t.add(r.key.name),this.expect(o.colon),!this.match(o.string))}throw

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this.unexpected(this.state.start,T.ModuleAttributeInvalidValue);r.value=this.parseLiteral(this.state.value,"StringLiteral"),this.finishNode(r,"ImportAttribute"),e.push(r)}while(this.eat(o.comma));return
e}maybeParseImportAssertions(){if(!this.isContextual("assert")||this.hasPrecedingLineBreak())return
this.hasPlugin("importAssertions")?[]:null;this.expectPlugin("importAssertions"),this.next(),this.eat(o.braceL);const
e=this.parseAssertEntries();return
this.eat(o.braceR),e}maybeParseDefaultImportSpecifier(e){return!!this.shouldParseDefaultImport(e)&&(this.parseImportSpecifierLocal(e,this.startNode(),"ImportDefaultSpecifier","default import specifier"),!0)}maybeParseStarImportSpecifier(e){if(this.match(o.star)){const t=this.startNode();return
this.next(),this.expectContextual("as"),this.parseImportSpecifierLocal(e,t,"ImportNamespaceSpecifier","import namespace specifier"),!0}return!1}parseNamedImportSpecifiers(e){let
t=!0;for(this.expect(o.braceL);!this.eat(o.braceR);){if(t=!1;else{if(this.eat(o.colon))throw
this.raise(this.state.start,T.DestructureNamedImport);if(this.expect(o.comma),this.eat(o.braceR))break}this.parseImportSpecifier(e)}parseImportSpecifier(e){const
t=this.startNode();if(t.imported=this.parseModuleExportName(),this.eatContextual("as"))t.local=this.parseIdentifier();else{const{imported:e}=t;if("StringLiteral"===e.type)throw
this.raise(t.start,T.ImportBindingIsString,e.value);this.checkReservedWord(e.name,t.start,!0,!0),t.local=e.__clone()}this.checkLVal(t.local,"import specifier",9),e.specifiers.push(this.finishNode(t,"ImportSpecifier"))}isThisParam(e){return"Identifier"===e.type&&
"this"===e.name}}{constructor(e,t){super(e=function(e){const t={};for(const r of
Object.keys(ge))t[r]=e&&null!=e[r]?e[r]:ge[r];return
t}(e),t),this.options=e,this.initializeScopes(),this.plugins=function(e){const t=new Map;for(const r of
e){const[e,n]=Array.isArray(r)?r:[r,{}];t.has(e)||t.set(e,n||{ })}return
t}(this.options.plugins),this.filename=e.sourceFilename}getScopeHandler(){return
q}parse(){this.enterInitialScopes();const e=this.startNode(),t=this.startNode();return
this.nextToken(),e.errors=null,this.parseTopLevel(e,t),e.errors=this.state.errors,e}}function Be(e,t){let r=Re;return
null!=e&&e.plugins&&(function(e){if(he(e,"decorators")){if(he(e,"decorators-legacy"))throw new Error("Cannot
use the decorators and decorators-legacy plugin together");const
t=fe(e,"decorators","decoratorsBeforeExport");if(null==t)throw new Error("The \'decorators\' plugin requires a
\'decoratorsBeforeExport\' option, whose value must be a boolean. If you are migrating from Babylon/Babel 6 or
want to use the old decorators proposal, you should use the \'decorators-legacy\' plugin instead of
\'decorators\'.");if("boolean"!==typeof t)throw new Error("\'decoratorsBeforeExport\' must be a
boolean.")}if(he(e,"flow")&&he(e,"typescript"))throw new Error("Cannot combine flow and typescript
plugins.");if(he(e,"placeholders")&&he(e,"v8intrinsic"))throw new Error("Cannot combine placeholders and
v8intrinsic plugins.");if(he(e,"pipelineOperator")&&!me.includes(fe(e,"pipelineOperator","proposal"))throw new
Error("\'pipelineOperator\' requires \'proposal\' option whose value should be one of: "+me.map(e=>`\'${e}\`").join(",
"));if(he(e,"moduleAttributes")){if(he(e,"importAssertions"))throw new Error("Cannot combine importAssertions
and moduleAttributes plugins.");if("may-2020"!==fe(e,"moduleAttributes","version"))throw new Error("The
\'moduleAttributes\' plugin requires a \'version\' option, representing the last proposal update. Currently, the only
supported value is \'may-
2020\'.")}}if(he(e,"recordAndTuple")&&!ye.includes(fe(e,"recordAndTuple","syntaxType"))throw new
Error("\'recordAndTuple\' requires \'syntaxType\' option whose value should be one of:
"+ye.map(e=>`\'${e}\`").join(", ");if(he(e,"asyncDoExpressions")&&!he(e,"doExpressions")){const e=new
Error("\'asyncDoExpressions\' requires \'doExpressions\', please add \'doExpressions\' to parser plugins.");throw
e.missingPlugins="doExpressions",e}}(e.plugins),r=function(e){const t=be.filter(t=>he(e,t)),r=t.join("/");let
n=Ue[r];if(!n){n=Re;for(const e of t)n=Te[e](n);Ue[r]=n}return n}(e.plugins),new r(e,t)}const
Ue={};t.parse=function(e,t){var r;if("unambiguous"!==me&&(null==(r=t)?void 0:r.sourceType))return
Be(t,e).parse();t=Object.assign({},t);try{t.sourceType="module";const
r=Be(t,e),n=r.parse();if(r.sawUnambiguousESM)return n;if(r.ambiguousScriptDifferentAst)try{return

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t.sourceType="script",Be(t,e).parse()}catch(e){}else n.program.sourceType="script";return n}catch(r){try{return
t.sourceType="script",Be(t,e).parse()}catch(e){}throw r}},t.parseExpression=function(e,t){const r=Be(t,e);return
r.options.strictMode&&(r.state.strict=!0),r.getExpression(),t.tokenTypes=o},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){const{ metadata:a,names:l}=functi
on(e,t,r){let n,s,a,l=""};do{l+="";const c=o(t,l);n=c.names,s=new
Set(n),a=(0,i.default)(e,e.code(c.code)),{ parser:r.parser,placeholderWhitelist:new
Set(c.names.concat(r.placeholderWhitelist?Array.from(r.placeholderWhitelist):[])),placeholderPattern:r.placeholder
Pattern,preserveComments:r.preserveComments,syntacticPlaceholders:r.syntacticPlaceholders}})while(a.placeholder
s.some(e=>e.isDuplicate&&s.has(e.name)));return{ metadata:a,names:n }}(e,t,r);return t=>{const r={};return
t.forEach((e,t)=>{r[[t]]=e}),t=>{const i=(0,n.normalizeReplacements)(t);return
i&&Object.keys(i).forEach(e=>{if(Object.prototype.hasOwnProperty.call(r,e))throw new Error("Unexpected
replacement overlap.")}),e.unwrap((0,s.default)(a,i?Object.assign(i,r):r))}}};var
n=r(59),i=a(r(127)),s=a(r(128));function a(e){return e&&e.__esModule?e:{ default:e }}function o(e,t){const r=[];let
n=e[0];for(let i=1;i<e.length;i++){const s=`${t}${i-
1}`;r.push(s),n+=s+e[i]}return{ names:r,code:n }}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.matchesPattern=function(e,t){return
n.matchesPattern(this.node,e,t)},t.has=s,t.isStatic=function(){return
this.scope.isStatic(this.node)},t.isnt=function(e){return!this.has(e)},t.equals=function(e,t){return
this.node[e]===t},t.isNodeType=function(e){return
n.isType(this.type,e)},t.canHaveVariableDeclarationOrExpression=function(){return("init"===this.key||"left"===thi
s.key)&&this.parentPath.isFor()),t.canSwapBetweenExpressionAndStatement=function(e){if("body"!===this.key||!t
his.parentPath.isArrowFunctionExpression())return!1;if(this.isExpression())return
n.isBlockStatement(e);if(this.isBlockStatement())return
n.isExpression(e);return!1},t.isCompletionRecord=function(e){let t=this,r=!0;do{const
n=t.container;if(t.isFunction()&&!r)return!1;if(r=!1,Array.isArray(n)&&t.key!===n.length-
1)return!1}while((t=t.parentPath)&&!t.isProgram());return!0},t.isStatementOrBlock=function(){return!this.parentPa
th.isLabeledStatement()&&!n.isBlockStatement(this.container)&&n.STATEMENT_OR_BLOCK_KEYS.includes(t
his.key)},t.referencesImport=function(e,t){if(!this.isReferencedIdentifier())return!1;const
r=this.scope.getBinding(this.node.name);if(!r||"module"!===r.kind)return!1;const
n=r.path,i=n.parentPath;if(!i.isImportDeclaration())return!1;if(i.node.source.value!===e)return!1;if(!t)return!0;if(n.isI
mportDefaultSpecifier()&&"default"===t)return!0;if(n.isImportNamespaceSpecifier()&&"*"===t)return!0;if(n.isIm
portSpecifier()&&n.node.imported.name===t)return!0;return!1},t.getSource=function(){const
e=this.node;if(e.end){const t=this.hub.getCode();if(t)return
t.slice(e.start,e.end)}return""},t.willIMaybeExecuteBefore=function(e){return"after"!==this._guessExecutionStatus
RelativeTo(e)},t._guessExecutionStatusRelativeTo=function(e){const
t={ this:o(this),target:o(e)};if(t.target.node!===t.this.node)return
this._guessExecutionStatusRelativeToDifferentFunctions(t.target);const
r={ target:e.getAncestry(),this:this.getAncestry()};if(r.target.indexOf(this)>=0)return"after";if(r.this.indexOf(e)>=0)r
eturn"before";let i;const s={ target:0,this:0};for(;!i&&s.this<r.this.length;){const
e=r.this[s.this];s.target=r.target.indexOf(e),s.target>=0?i=e:s.this++}if(!i)throw new Error("Internal Babel error -
The two compared nodes don't appear to belong to the same program.");if(c(r.this,s.this-1)||c(r.target,s.target-
1))return"unknown";const a={ this:r.this[s.this-1],target:r.target[s.target-
1]};if(a.target.listKey&&a.this.listKey&&a.target.container===a.this.container)return
a.target.key>a.this.key?"before":"after";const
l=n.VISITOR_KEYS[i.type],p={ this:l.indexOf(a.this.parentKey),target:l.indexOf(a.target.parentKey)};return
p.target>p.this?"before":"after"},t._guessExecutionStatusRelativeToDifferentFunctions=function(e){if(!e.isFunction
Declaration()||e.parentPath.isExportDeclaration())return"unknown";const
t=e.scope.getBinding(e.node.id.name);if(!t.references)return"before";const r=t.referencePaths;let n;for(const t of

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r){if(!t.find(t=>t.node===e.node))continue;if("callee"!==t.key||!t.parentPath.isCallExpression())return"unknown";if
(p.has(t.node))continue;p.add(t.node);const
r=this._guessExecutionStatusRelativeTo(t);if(p.delete(t.node),n&&n!==r)return"unknown";n=r}return
n},t.resolve=function(e,t){return
this._resolve(e,t)||this},t._resolve=function(e,t){if(t&&t.indexOf(this)>=0)return;if((t=t||[]).push(this),this.isVariable
Declarator()){if(this.get("id").isIdentifier())return this.get("init").resolve(e,t)}else
if(this.isReferencedIdentifier()){const
r=this.scope.getBinding(this.node.name);if(!r)return;if(!r.constant)return;if("module"===r.kind)return;if(r.path!==th
is){const n=r.path.resolve(e,t);if(this.find(e=>e.node===n.node))return;return
n}}else if(this.isTypeCastExpression())return
this.get("expression").resolve(e,t);if(e&&this.isMemberExpression()){const
r=this.toComputedKey();if(!n.isLiteral(r))return;const
i=r.value,s=this.get("object").resolve(e,t);if(s.isObjectExpression()){const r=s.get("properties");for(const n of
r){if(!n.isProperty())continue;const r=n.get("key");let
s=n.isnt("computed")&&r.isIdentifier({name:i});if(s=s||r.isLiteral({value:i}),s)return
n.get("value").resolve(e,t)}else if(s.isArrayExpression()&&!isNaN(+i)){const r=s.get("elements")[i];if(r)return
r.resolve(e,t)}}},t.isConstantExpression=function(){if(this.isIdentifier()){const
e=this.scope.getBinding(this.node.name);return!e&&e.constant}if(this.isLiteral())return!this.isRegExpLiteral()&&
!this.isTemplateLiteral()||this.get("expressions").every(e=>e.isConstantExpression());if(this.isUnaryExpression())re
turn"void"===this.get("operator").node&&this.get("argument").isConstantExpression();if(this.isBinaryExpression()
)return
this.get("left").isConstantExpression()&&this.get("right").isConstantExpression();return!1},t.isInStrictMode=functi
on(){const
e=this.isProgram()?this:this.parentPath;return!e.find(e=>{if(e.isProgram({sourceType:"module"}))return!0;if(e.isC
lass())return!0;if(!e.isProgram()&&!e.isFunction())return!1;if(e.isArrowFunctionExpression()&&!e.get("body").isBL
ockStatement())return!1;let{node:t}=e;e.isFunction()&&(t=t.body);for(const e of t.directives)if("use
strict"===e.value.value)return!0}},t.is=void 0;var n=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e){const t=this.node&&this.node[e];return
t&&Array.isArray(t)?!t.length:!t}const a=s;function
o(e){return(e.scope.getFunctionParent()||e.scope.getProgramParent()).path}function
l(e,t){switch(e){case"LogicalExpression":return"right"===t;case"ConditionalExpression":case"IfStatement":return
consequent===t||"alternate"===t;case"WhileStatement":case"DoWhileStatement":case"ForInStatement":case"For
OfStatement":return"body"===t;case"ForStatement":return"body"===t||"update"===t;case"SwitchStatement":return
"cases"===t;case"TryStatement":return"handler"===t;case"AssignmentPattern":return"right"===t;case"OptionalMe
mberExpression":return"property"===t;case"OptionalCallExpression":return"arguments"===t;default:return!1}}fun
ction c(e,t){for(let r=0;r<t;r++){const t=e[r];if(l(t.parent.type,t.parentKey))return!0}return!1}t.is=a;const p=new
WeakSet,function(e,t,r){if("use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.call=function(e){const
t=this.opts;if(this.debug(e),this.node&&this._call(t[e]))return!0;if(this.node)return
this._call(t[this.node.type]&&t[this.node.type][e]);return!1},t._call=function(e){if(!e)return!1;for(const t of
e){if(!t)continue;const e=this.node;if(!e)return!0;const r=t.call(this.state,this,this.state);if(r&&"object"===typeof
r&&"function"===typeof r.then)throw new Error("You appear to be using a plugin with an async traversal visitor,
which your current version of Babel does not support. If you're using a published plugin, you may need to upgrade
your @babel/core version.");if(r)throw new Error("Unexpected return value from visitor method

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"+t);if(this.node!==(e=return!0;if(this._traverseFlags>0)return!0}return!1},t.isBlacklisted=t.isDenylist=function(){
var e;const t=null!=(e=this.opts.denylist)?e:this.opts.blacklist;return t&&t.indexOf(this.node.type)>-
1},t.visit=function(){if(!this.node)return!1;if(this.isDenylist())return!1;if(this.opts.shouldSkip&&this.opts.should
Skip(this))return!1;if(this.shouldSkip||this.call("enter")||this.shouldSkip)return
this.debug("Skip..."),this.shouldStop;return this.debug("Recurring
into..."),i.default.node(this.node,this.opts,this.scope,this.state,this,this.skipKeys),this.call("exit"),this.shouldStop},t.s
kip=function(){this.shouldSkip=!0},t.skipKey=function(e){null==this.skipKeys&&(this.skipKeys={});this.skipKey
s[e]=!0},t.stop=function(){this._traverseFlags|=s.SHOULD_SKIP|s.SHOULD_STOP},t.setScope=function(){if(this
.opts&&this.opts.noScope)return;let
e,t=this.parentPath;for(;t&&!e;){if(t.opts&&t.opts.noScope)return;e=t.scope,t=t.parentPath}this.scope=this.getScop
e(e),this.scope&&this.scope.init(),t.setContext=function(e){null!=this.skipKeys&&(this.skipKeys={});this._traver
seFlags=0,e&&(this.context=e,this.state=e.state,this.opts=e.opts);return
this.setScope(),this},t.resync=function(){if(this.removed)return;this._resyncParent(),this._resyncList(),this._resyncK
ey(),t._resyncParent=function(){this.parentPath&&(this.parent=this.parentPath.node)},t._resyncKey=function(){if(
!this.container)return;if(this.node===this.container[this.key])return;if(Array.isArray(this.container)){for(let
e=0;e<this.container.length;e++)if(this.container[e]===this.node)return this.setKey(e)}else for(const e of
Object.keys(this.container))if(this.container[e]===this.node)return
this.setKey(e);this.key=null},t._resyncList=function(){if(!this.parent||!this.inList)return;const
e=this.parent[this.listKey];if(this.container===e)return;this.container=e||null},t._resyncRemoved=function(){null!=t
his.key&&this.container&&this.container[this.key]===this.node||this._markRemoved(),t.popContext=function(){t
his.contexts.pop(),this.contexts.length>0?this.setContext(this.contexts[this.contexts.length-1]):this.setContext(void
0)},t.pushContext=function(e){this.contexts.push(e),this.setContext(e)},t.setup=function(e,t,r,n){this.listKey=r,this
.container=t,this.parentPath=e||this.parentPath,this.setKey(n)},t.setKey=function(e){var
t;this.key=e,this.node=this.container[this.key],this.type=null==(t=this.node)?void
0:t.type},t.requeue=function(e=this){if(e.removed)return;const t=this.contexts;for(const r of
t)r.maybeQueue(e)},t._getQueueContexts=function(){let
e=this,t=this.contexts;for(;!t.length&&(e=e.parentPath,e);)t=e.contexts;return t};var
n,i=(n=r(17))&&n.__esModule?n:{default:n},s=r(8)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.remove=function(){var
e;this._assertUnremoved(),this.resync(),(null==(e=this.opts)?void
0:e.noScope)||this._removeFromScope();if(this._callRemovalHooks())return void
this._markRemoved();this.shareCommentsWithSiblings(),this._remove(),this._markRemoved(),t._removeFromScop
e=function(){const
e=this.getBindingIdentifiers();Object.keys(e).forEach(e=>this.scope.removeBinding(e))},t._callRemovalHooks=fun
ction(){for(const e of
n.hooks)if(e(this,this.parentPath))return!0},t._remove=function(){Array.isArray(this.container)?(this.container.splic
e(this.key,1),this.updateSiblingKeys(this.key,-
1)):this._replaceWith(null)},t._markRemoved=function(){this._traverseFlags|=i.SHOULD_SKIP|i.REMOVED,this
.node=null},t._assertUnremoved=function(){if(this.removed)throw this.buildCodeFrameError("NodePath has been
removed so is read-only.");var n=r(366),i=r(8)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.hooks=void
0;t.hooks=[function(e,t){if("test"===e.key&&(t.isWhile()||t.isSwitchCase())||"declaration"===e.key&&t.isExportDe
claration()||"body"===e.key&&t.isLabeledStatement()||"declarations"===e.listKey&&t.isVariableDeclaration()&&1
===t.node.declarations.length||"expression"===e.key&&t.isExpressionStatement())return
t.remove(),!0},function(e,t){if(t.isSequenceExpression()&&1===t.node.expressions.length)return
t.replaceWith(t.node.expressions[0]),!0},function(e,t){if(t.isBinary())return"left"===e.key?t.replaceWith(t.node.righ
t):t.replaceWith(t.node.left),!0},function(e,t){if(t.isIfStatement()&&("consequent"===e.key||"alternate"===e.key)||"
body"===e.key&&(t.isLoop()||t.isArrowFunctionExpression()))return

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e.replaceWith({ type: "BlockStatement", body: [] }, !0)}, function(e, t, r) { "use
strict"; Object.defineProperty(t, "__esModule", { value: !0 }), t.insertBefore = function(e) { this._assertUnremoved(), e = this
._verifyNodeList(e); const { parentPath: t } = this; if (t.isExpressionStatement() || t.isLabeledStatement() || t.isExportNamed
Declaration() || t.isExportDefaultDeclaration() && this.isDeclaration()) return
t.insertBefore(e); if (this.isNodeType("Expression") && !this.isJSXElement() || t.isForStatement() && "init" === this.key)
return
this.node && e.push(this.node), this.replaceExpressionWithStatements(e); if (Array.isArray(this.container)) return
this._containerInsertBefore(e); if (this.isStatementOrBlock()) { const
t = this.node && (!this.isExpressionStatement() || null !== this.node.expression); return
this.replaceWith(a.blockStatement(t ? [this.node]: []), this.unshiftContainer("body", e)) throw new Error("We don't
know what to do with this node type. We were previously a Statement but we can't fit in
here?"), t._containerInsert = function(e, t) { this.updateSiblingKeys(e, t.length); const
r = []; this.container.splice(e, 0, ...t); for (let n = 0; n < t.length; n++) { const
t = e + n, i = this.getSibling(t); r.push(i), this.context && this.context.queue && i.pushContext(this.context) } const
n = this._getQueueContexts(); for (const e of r) { e.setScope(), e.debug("Inserted."); for (const t of
n) t.maybeQueue(e, !0) } return r }, t._containerInsertBefore = function(e) { return
this._containerInsert(this.key, e) }, t._containerInsertAfter = function(e) { return
this._containerInsert(this.key + 1, e) }, t.insertAfter = function(e) { this._assertUnremoved(), e = this._verifyNodeList(e); co
nst { parentPath: t } = this; if (t.isExpressionStatement() || t.isLabeledStatement() || t.isExportNamedDeclaration() || t.isExpor
tDefaultDeclaration() && this.isDeclaration()) return
t.insertAfter(e.map(e => a.isExpression(e) ? a.expressionStatement(e) : e)); if (this.isNodeType("Expression") && !this.isJ
SXElement() && !t.isJSXElement() || t.isForStatement() && "init" === this.key) { if (this.node) { let { scope: r } = this; t.isMet
hod({ computed: !0, key: this.node }) && (r = r.parent); const
n = r.generateDeclaredUidIdentifier(); e.unshift(a.expressionStatement(a.assignmentExpression("=", a.cloneNode(n), th
is.node))), e.push(a.expressionStatement(a.cloneNode(n))) } return
this.replaceExpressionWithStatements(e) } if (Array.isArray(this.container)) return
this._containerInsertAfter(e); if (this.isStatementOrBlock()) { const
t = this.node && (!this.isExpressionStatement() || null !== this.node.expression); return
this.replaceWith(a.blockStatement(t ? [this.node]: []), this.pushContainer("body", e)) throw new Error("We don't
know what to do with this node type. We were previously a Statement but we can't fit in
here?"), t.updateSiblingKeys = function(e, t) { if (!this.parent) return; const r = n.path.get(this.parent); for (let
n = 0; n < r.length; n++) { const
i = r[n]; i.key >= e && (i.key += t) }, t._verifyNodeList = function(e) { if (!e) return []; e.constructor !== Array && (e = [e]); for (l
et t = 0; t < e.length; t++) { const r = e[t]; let n; if (r ? "object" !== typeof r ? n = "contains a non-object node" : r.type ? r instanceof
s.default && (n = "has a NodePath when it expected a raw object") : n = "without a type" : n = "has falsy node", n) { const
e = Array.isArray(r) ? "array" : typeof r; throw new Error(`Node list ${n} with the index of ${t} and type of
${e}`) } } return e }, t.unshiftContainer = function(e, t) { this._assertUnremoved(), t = this._verifyNodeList(t); return
s.default.get({ parentPath: this.parent, this.node, container: this.node[e], listKey: e.key, 0 })._containerInsertBefore(t) }, t.p
ushContainer = function(e, t) { this._assertUnremoved(), t = this._verifyNodeList(t); const r = this.node[e]; return
s.default.get({ parentPath: this.parent, this.node, container: r, listKey: e, key: r.length }).replaceWithMultiple(t) }, t.hoist = f
unction(e = this.scope) { return new i.default(this, e).run() }; var
n = r(38), i = l(r(368)), s = l(r(8)), a = function(e) { if (e && e.__esModule) return e; if (null === e || "object" !== typeof
e && "function" !== typeof e) return { default: e }; var t = o(); if (t && t.has(e)) return t.get(e); var
r = { }, n = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var i in
e) if (Object.prototype.hasOwnProperty.call(e, i)) { var
s = n ? Object.getOwnPropertyDescriptor(e, i) : null; s && (s.get || s.set) ? Object.defineProperty(r, i, s) : r[i] = e[i] } r.default = e, l
&& t.set(e, r); return r } (r(0)); function o() { if ("function" !== typeof WeakMap) return null; var e = new WeakMap; return
o = function() { return e }, e } function l(e) { return e && e.__esModule ? e : { default: e } }, function(e, t, r) { "use

```



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strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}const
s={ReferencedIdentifier(e,t){if(e.isJSXIdentifier())&&n.react.isCompatTag(e.node.name)&&!e.parentPath.isJSXMe
mberExpression())return;if("this"===e.node.name){let
r=e.scope;do{if(r.path.isFunction())&&!r.path.isArrowFunctionExpression()}break}while(r=r.parent);r&&t.breakOn
ScopePaths.push(r.path)}const r=e.scope.getBinding(e.node.name);if(r){for(const n of
r.constantViolations)if(n.scope!==r.path.scope)return t.mutableBinding=!0,void
e.stop();r===t.scope.getBinding(e.node.name)&&(t.bindings[e.node.name]=r)}};t.default=class{constructor(e,t){th
is.breakOnScopePaths=[],this.bindings={},this.mutableBinding=!1,this.scopes=[],this.scope=t,this.path=e,this.attac
hAfter=!1}isCompatibleScope(e){for(const t of Object.keys(this.bindings)){const
r=this.bindings[t];if(!e.bindingIdentifierEquals(t,r.identifier))return!1}return!0}getCompatibleScopes(){let
e=this.path.scope;do{if(!this.isCompatibleScope(e))break;if(this.scopes.push(e),this.breakOnScopePaths.indexOf(e
.path)>=0)break}while(e=e.parent)}getAttachmentPath(){let e=this._getAttachmentPath();if(!e)return;let
t=e.scope;if(t.path===e&&(t=e.scope.parent),t.path.isProgram()||t.path.isFunction())for(const r of
Object.keys(this.bindings)){if(!t.hasOwnBinding(r))continue;const
n=this.bindings[r];if("param"===n.kind||"params"===n.path.parentKey)continue;if(this.getAttachmentParentForPat
h(n.path).key>=e.key){this.attachAfter=!0,e=n.path;for(const t of
n.constantViolations)this.getAttachmentParentForPath(t).key>e.key&&(e=t)}}return e}_getAttachmentPath(){const
e=this.scopes.pop();if(e)if(e.path.isFunction()){if(!this.hasOwnParamBindings(e))return
this.getNextScopeAttachmentParent();if(this.scope===e)return;const t=e.path.get("body").get("body");for(let
e=0;e<t.length;e++)if(!t[e].node._blockHoist)return t[e]}else if(e.path.isProgram())return
this.getNextScopeAttachmentParent()}getNextScopeAttachmentParent(){const e=this.scopes.pop();if(e)return
this.getAttachmentParentForPath(e.path)}getAttachmentParentForPath(e){do{if(!e.parentPath||Array.isArray(e.cont
ainer)&&e.isStatement())return e}while(e=e.parentPath)}hasOwnParamBindings(e){for(const t of
Object.keys(this.bindings)){if(!e.hasOwnBinding(t))continue;const
r=this.bindings[t];if("param"===r.kind&&r.constant)return!0}return!1}run(){if(this.path.traverse(s,this),this.mutabl
eBinding)return;this.getCompatibleScopes();const
e=this.getAttachmentPath();if(!e)return;if(e.getFunctionParent()===this.path.getFunctionParent())return;let
t=e.scope.generateUidIdentifier("ref");const
r=n.variableDeclarator(t,this.path.node),i=this.attachAfter?"insertAfter":"insertBefore",[a]=e[i]([e.isVariableDeclara
tor]?r:n.variableDeclaration("var",[r])),o=this.path.parentPath;return
o.isJSXElement()&&this.path.container===o.node.children&&(t=n.JSXExpressionContainer(t)),this.path.replaceWi
th(n.cloneNode(t),e.isVariableDeclarator()?a.get("init"):a.get("declarations.0.init"))},function(e,t,r){
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.getOpposite=function(){if("left"===this.key)return
this.getSibling("right");if("right"===this.key)return this.getSibling("left");t.getCompletionRecords=function(){let
e=[];if(this.isIfStatement())e=o(this.get("consequent"),e),e=o(this.get("alternate"),e);else
if(this.isDoExpression()||this.isFor()||this.isWhile())e=o(this.get("body"),e);else
if(this.isProgram()||this.isBlockStatement())e=o(this.get("body").pop(),e);else if(this.isFunction())return
this.get("body").getCompletionRecords();this.isTryStatement()?(e=o(this.get("block"),e),e=o(this.get("handler"),e)):
this.isCatchClause()?e=o(this.get("body"),e):this.isSwitchStatement()?e=function(e,t){let r=!0;for(let n=e.length-
1;n>=0;n--){const i=e[n].get("consequent");let
s=l(i);if(s){for(;0===s.key&&s.parentPath.isBlockStatement();s=s.parentPath);const

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e=s.getPrevSibling();s.key>0&&(e.isExpressionStatement()||e.isBlockStatement())?(t=o(e,t),s.remove()):s.replace
With(s.scope.buildUndefinedNode(),t=o(s,t))}else if(r){const
e=t=>!t.isBlockStatement()||t.get("body").some(e);i.some(e)&&(t=o(i[i.length-1],t),r=!1)}return
t}(this.get("cases"),e):e.push(this)}return e},t.getSibling=function(e){return
i.default.get({parentPath:this.parentPath,parent:this.parent,container:this.container,listKey:this.listKey,key:e}),t.get
PrevSibling=function(){return this.getSibling(this.key-1)},t.getNextSibling=function(){return
this.getSibling(this.key+1)},t.getAllNextSiblings=function(){let e=this.key,t=this.getSibling(++e);const
r=[];for(;t.node;)r.push(t),t=this.getSibling(++e);return r},t.getAllPrevSiblings=function(){let
e=this.key,t=this.getSibling(--e);const r=[];for(;t.node;)r.push(t),t=this.getSibling(--e);return
r},t.get=function(e,t){!0===t&&(t=this.context);const r=e.split(".");return
1===r.length?this._getKey(e,t):this._getPattern(r,t)},t._getKey=function(e,t){const r=this.node,n=r[e];return
Array.isArray(n)?n.map((s,a)=>i.default.get({listKey:e,parentPath:this.parent,r,container:n,key:a}).setContext(t)):i.d
efault.get({parentPath:this.parent,r,container:r,key:e}).setContext(t)},t._getPattern=function(e,t){let r=this;for(const
n of e)r="."===n?r.parentPath:Array.isArray(r)?r[n]:r.get(n,t);return r},t.getBindingIdentifiers=function(e){return
s.getBindingIdentifiers(this.node,e)},t.getOuterBindingIdentifiers=function(e){return
s.getOuterBindingIdentifiers(this.node,e)},t.getBindingIdentifierPaths=function(e=!1,t=!1){let
r=[].concat(this);const n=Object.create(null);for(;r.length;){const i=r.shift();if(!i)continue;if(!i.node)continue;const
a=s.getBindingIdentifiers.keys[i.node.type];if(i.isIdentifier())if(e){(n[i.node.name]=n[i.node.name]||[]).push(i)}else
n[i.node.name]=i}else if(i.isExportDeclaration()){const
e=i.get("declaration");e.isDeclaration()&&r.push(e)}else if(t){if(i.isFunctionDeclaration()){r.push(i.get("id"));conti
nue}if(i.isFunctionExpression())continue}if(a)for(let e=0;e<a.length;e++){const
t=a[e],n=i.get(t);(Array.isArray(n)||n.node)&&(r=r.concat(n))}}return
n},t.getOuterBindingIdentifierPaths=function(e){return this.getBindingIdentifierPaths(e,!0)};var
n,i=(n=r(8))&&n.__esModule?n:{default:n},s=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=a;if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0));function a(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
a=function(){return e},e}function o(e,t){return e?t.concat(e.getCompletionRecords()):t}function l(e){let
t;Array.isArray(e)||e=[e];for(const i of
e){if(i.isDoExpression()||i.isProgram()||i.isBlockStatement()||i.isCatchClause()||i.isLabeledStatement())t=l(i.get("bod
y"));else if(i.isIfStatement()){var r;t=null!=(r=l(i.get("consequent")))?r:l(i.get("alternate"))}else
if(i.isTryStatement()){var n;t=null!=(n=l(i.get("block")))?n:l(i.get("handler"))}else
i.isBreakStatement()&&(t=i);if(t)return t}return null}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.shareCommentsWithSiblings=function(){if("string"===ty
peof this.key)return;const e=this.node;if(!e)return;const
t=e.trailingComments,r=e.leadingComments;if(!t&&!r)return;const n=this.getSibling(this.key-
1),i=this.getSibling(this.key+1),s=Boolean(n.node),a=Boolean(i.node);s&&!a?n.addComments("trailing",t):a&&!s
&&i.addComments("leading",r)},t.addComment=function(e,t,r){n.addComment(this.node,e,t,r)},t.addComments=fun
ction(e,t){n.addComments(this.node,e,t)};var n=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=i;if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.explode=o,t.verify=l,t.merge=function(e,t=[],r){const

```

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n={};for(let i=0;i<e.length;i++){const s=e[i],a=t[i];o(s);for(const e of Object.keys(s)){let
t=s[e];(a||r)&&(t=p(t,a,r));f(n[e]=n[e]||{ },t) }return n};var n=a(r(63)),i=a(r(0));function s(){if("function"!==typeof
WeakMap)return null;var e=new WeakMap;return s=function(){return e },e}function
a(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{ default:e };var
t=s();if(t&&t.has(e))return t.get(e);var r={ },n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i
in e)if(Object.prototype.hasOwnProperty.call(e,i)){ var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}function o(e){if(e.__exploded)return e;e.__exploded=!0;for(const t of
Object.keys(e)){if(h(t))continue;const r=t.split("");if(1===r.length)continue;const n=e[t];delete e[t];for(const t of
r)e[t]=n}l(e),delete e.__esModule,function(e){for(const t of Object.keys(e)){if(h(t))continue;const
r=e[t];"function"===typeof r&&(e[t]={ enter:r })}(e),u(e);for(const t of Object.keys(e)){if(h(t))continue;const
r=n[t];if(!r)continue;const i=e[t];for(const e of Object.keys(i))i[e]=d(r,i[e]);if(delete e[t],r.types)for(const t of
r.types)e[t]?f(e[t],i):e[t]=i;else f(e,i)}for(const t of Object.keys(e)){if(h(t))continue;const r=e[t];let
n=i.FLIPPED_ALIAS_KEYS[t];const s=i.DEPRECATED_KEYS[t];if(s&&(console.trace(`Visitor defined for ${t}
but it has been renamed to ${s}`),n=[s],n){ delete e[t];for(const t of n){ const
n=e[t];n?f(n,r):e[t]=Object.assign({ },r) } }for(const t of Object.keys(e))h(t)||u(e[t]);return e}function
l(e){if(!e._verified){if("function"===typeof e)throw new Error("You passed `traverse()` a function when it expected a
visitor object, are you sure you didn't mean `{ enter: Function }`?");for(const t of
Object.keys(e)){if("enter"!==t&&"exit"!==t||c(t,e[t]),h(t))continue;if(i.TYPES.indexOf(t)<0)throw new Error(` You
gave us a visitor for the node type ${t} but it's not a valid type`);const r=e[t];if("object"===typeof r)for(const e of
Object.keys(r)){if("enter"!==e&&"exit"!==e)throw new Error(` You passed `traverse()` a visitor object with the
property ${t} that has the invalid property ${e}`);c(`${t}.${e}`,r[e])}e._verified=!0 }function c(e,t){const
r=[];concat(t);for(const t of r)if("function"!==typeof t)throw new TypeError(` Non-function found defined in ${e}
with type ${typeof t} `)}function p(e,t,r){const n={ };for(const i of Object.keys(e)){let
s=e[i];Array.isArray(s)&&(s=s.map((function(e){ let n=e;return t&&(n=function(r){ return
e.call(t,r,t)),r&&(n=r(t.key,i,n)),n!==e&&(n.toString()=>e.toString()),n[i]=s)}return n)}function
u(e){e.enter&&!Array.isArray(e.enter)&&(e.enter=[e.enter]),e.exit&&!Array.isArray(e.exit)&&(e.exit=[e.exit])}fu
nction d(e,t){const r=function(r){if(e.checkPath(r))return t.apply(this,arguments);return
r.toString()=>t.toString(),r}function
h(e){ return ` _`===e[0]||("enter"===e||"exit"===e||"shouldSkip"===e||("denylist"===e||"noScope"===e||"skipKeys"=
===e||"blacklist"===e))}function f(e,t){ for(const r of Object.keys(t))e[r]=[];concat(e[r]||[],t[r]) }},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=void
0;t.default=class{ getCode(){ getScope(){ } addHelper(){ throw new Error("Helpers are not supported by the default
hub.")} buildError(e,t,r=TypeError){ return new r(t) } },function(e,t,r){ var n,i,s;!function(r,a){ "use strict";i=[],void
0===(s="function"===typeof(n=function(){ function e(e){ return e.charAt(0).toUpperCase()+e.substring(1)}function
t(e){ return function(){ return this[e] } }var
r=["isConstructor","isEval","isNative","isToplevel"],n=["columnNumber","lineNumber"],i=["fileName","functionN
ame","source"],s=r.concat(n,i,["args"]);function a(t){ if(t)for(var r=0;r<s.length;r++)void
0!==t[s[r]]&&this["set"+e(s[r])](t[s[r]])}a.prototype={ getArgs:function(){ return
this.args },setArgs:function(e){ if("[object Array]"!==Object.prototype.toString.call(e))throw new TypeError("Args
must be an Array");this.args=e},getEvalOrigin:function(){ return this.evalOrigin },setEvalOrigin:function(e){ if(e
instanceof a)this.evalOrigin=e;else{ if(!(e instanceof Object))throw new TypeError("Eval Origin must be an Object
or StackFrame");this.evalOrigin=new a(e) } },toString:function(){ var
e=this.getFileName()||"",t=this.getLineNumber()||"",r=this.getColumnNumber()||"",n=this.getFunctionName()||"";ret
urn this.getIsEval()?e?"[eval] (" +e+": "+t+": "+r+":)": "[eval]: "+t+": "+r+":n+"
("+e+": "+t+": "+r+":"):e+": "+t+": "+r: }},a.fromString=function(e){ var
t=e.indexOf("("),r=e.lastIndexOf(")"),n=e.substring(0,t),i=e.substring(t+1,r).split(","),s=e.substring(r+1);if(0===s.in
dexOf("@"))var o=/@(.+?)(?:::(\\d+))?(?:::(\\d+))?$/.exec(s),l=o[1],c=o[2],p=o[3];return new

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a({functionName:n,args:i||void 0,fileName:l,lineNumber:c||void 0,columnNumber:p||void 0});for(var
o=0;o<r.length;o++)a.prototype["get"+e(r[o])]=t(r[o]),a.prototype["set"+e(r[o])]=function(e){return
function(t){this[e]=Boolean(t)}}(r[o]);for(var
l=0;l<n.length;l++)a.prototype["get"+e(n[l])]=t(n[l]),a.prototype["set"+e(n[l])]=function(e){return
function(t){if(r=t,isNaN(parseFloat(r))||!isFinite(r))throw new TypeError(e+" must be a Number");var
r;this[e]=Number(t)}}(n[l]);for(var
c=0;c<i.length;c++)a.prototype["get"+e(i[c])]=t(i[c]),a.prototype["set"+e(i[c])]=function(e){return
function(t){this[e]=String(t)}}(i[c]);return a}?n.apply(t,i:n||(e.exports=s)}),function(e,t,r){"use
strict";r.r(t),r.d(t,"parseSourceAndMetadata",(function(){return
Y})),r.d(t,"purgeCachedMetadata",(function(){return W}));var n=r(60),i=r(61),s=r.n(i),"undefined"!==typeof
performance&&"function"===typeof performance.mark&&performance.clearMarks;const a="undefined"!==typeof
performance&&"function"===typeof performance.now;function o(){return
a?performance.now():Date.now()}function l(e,t,r){const n=o();const i=t();if(null!=r){r(o()-n)}return i}var
c=r(17),p=r.n(c);const
u=Object.freeze({PROGRAM:"Program",CALL_EXPRESSION:"CallExpression",MEMBER_EXPRESSION:"Me
mberExpression",ARRAY_PATTERN:"ArrayPattern",IDENTIFIER:"Identifier",NUMERIC_LITERAL:"Numeric
Literal",VARIABLE_DECLARATOR:"VariableDeclarator"});function
d(e,t,r=null){const {start:n,end:i}=e.node.loc;return t===n.line&&(null!==(r&&(r-
=1,t===n.line&&r<n.column||t===i.line&&r>i.column))}function h(e){return
e.node.init.property.type===u.NUMERIC_LITERAL&&0===e.node.init.property.value}function f(e,t,r){let
n=[];return!function(e){const
t=e.node.id;if(t.type===u.ARRAY_PATTERN||t.type===u.IDENTIFIER&&!S(e))return!0;return!1}(e)?n=t.filter(t
=>function(e,t){const r=e.node.id.name;return
null!=r&&(r===(t.node.init.object&&t.node.init.object.name)||r===t.node.init.name)}(e,t)):n.unshift(e,n}function
m(e,t,r,n,i){const s=l(0,()=>function(e){const t=[];return
l(0,()=>p(e,{enter(e){e.isVariableDeclarator()}&&function(e){const
t=e.node.init;if(null!=t){if(t.type===u.CALL_EXPRESSION){return
b(t.callee)}if(t.type===u.MEMBER_EXPRESSION||t.type===u.IDENTIFIER)return!0}return!1}(e)&&t.push(e)}
)),t(t));let a=null;if(0===i){const e=s.filter(e=>{const t=d(e,n),r=T(e);return t&&r});1===e.length&&(a=e[0])}else
a=s.find(e=>{const t=d(e,n,i),r=T(e);return t&&r});if(!a)return null;try{const t=l(0,()=>f(a,s));return
l(0,()=>function(e,t,r){let n;const i=null===e.id;switch(t.length){case
1:if(i&&t[0]===r){n=y(r,i);break}n=y(t[0]);break;case 2:if(1!==(t=t.filter(e=>h(e))).length)throw new
Error("Couldn't isolate AST Node containing hook variable.");n=y(t[0]);break;default:n=y(r)}return
n}(e,t,a))}catch(e){return console.error(e),null}}function y(e,t=!1){var r,n;switch(e.node.id.type){case
u.ARRAY_PATTERN:return t?null:null!==(r=null===(n=e.node.id.elements[0])||void 0===n?void
0:n.name)&&void 0!==(r?:r.null);case u.IDENTIFIER:return e.node.id.name;default:return null}}function T(e){const
t=e.node.init;if(null==t||t.type!==u.CALL_EXPRESSION)return!1;return b(t.callee)}function
b(e){if(e.type===u.IDENTIFIER)return t=e.name,/^use[A-Z0-
9].*$/ .test(t);if(e.type===u.MEMBER_EXPRESSION&&!e.computed&&b(e.property)){const t=e.object,r=/^[A-
Z].*/;return t.type===u.IDENTIFIER&&r.test(t.name)}return!1;var t}function g(e,t){return
e.name===t||"MemberExpression"===e.type&&"React"===e.object.name&&e.property.name===t}function
S(e){const t=e.node.init.callee;return g(t,"useState")||g(t,"useReducer")||g(t,"useTransition")}var
x=r(129),E=r.n(x),P=r(62),v=r.n(P);let A=null;new WeakMap;function
w({fileName:e,lineNumber:t,columnNumber:r}){if(null===e||null===t||null===r)throw Error("Hook source code
location not found.");return`${e}:${t}:${r}`}for(var
O=r(21),I={},C="ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/",N=0;N<C.length;N++)I[C.charCodeAt(N)]=N;function k(e){for(var
t=[],r=[],n=[0,0,0,0],i=0,s=0,a=0,o=0;s<e.length;s++){var l=e.charCodeAt(s);if(44===l)D(r,n,i),i=0;else

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if(59===1)D(r,n,i),i=0,t.push(r),r=[],n[0]=0;else{var c=I[1];if(void 0===c)throw new Error("Invalid character
("+String.fromCharCode(l)+"");var p=32&c;if(o+=(c&=31)<<a,p)a+=5;else{var u=1&o;o>>>=1,u&&(o=0===o?-
2147483648:-o),n[i]+=o,i++,o=a=0}}return D(r,n,i),t.push(r),t}function
D(e,t,r){4===r?e.push([t[0],t[1],t[2],t[3]]):5===r?e.push([t[0],t[1],t[2],t[3],t[4]]):1===r&&e.push([t[0]])}function
_(e,t){const{name:r,mappings:n}=t,i=L(e,n,M);if(null===i)throw new Error("Expected to find a line in the
HookMap that covers the target location at line: ${e.line}, column: ${e.column}");let s;if(s=F(i)!==e.line?i[i.length-
1]:L(e,i,j),null===s)throw new Error("Expected to find a mapping in the HookMap that covers the target location at
line: ${e.line}, column: ${e.column}");const a=function(e){const t=e[2];if(null===t)throw new Error("Unexpected
hook name index missing in entry in HookMap");return t}(s);if(null===a)throw new Error("Expected to find a name
index in the HookMap that covers the target location at line: ${e.line}, column: ${e.column}");const
o=r[a];if(null===o)throw new Error("Expected to find a name in the HookMap that covers the target location at line:
${e.line}, column: ${e.column}");return"<no-hook>"===o?null:o}function L(e,t,r){let
n,i=t.length,s=0,a=0;for(;i>0;){s=a,n=Math.floor(i/2),s+=n;const
o=r(e,t,s);if(0===o.direction){if(null===o.index)throw new Error("Expected an index when matching element is
found.");a=o.index;break}o.direction>0?(s++,a=s,i=-n+1):i=n}return null!=a?t[a]:null}function M(e,t,r){const
n=r,i=t[n];if(null===i)throw new Error("Unexpected line missing in HookMap at index ${r}.");const s=F(i);let
a,o=r+1;const l=t[o];return
null!=l?a=F(l):(o=n,a=s),s===e.line?{index:n,direction:0}:a===e.line||e.line>a&&null===l?{index:o,direction:0}:s<e
.line&&e.line<a?{index:n,direction:0}:{index:null,direction:e.line-s}}function j(e,t,r){const
n=r,i=t[r];if(null===i)throw new Error("Unexpected mapping missing in HookMap line at index ${r}.");const
s=R(i);let a,o=r+1;const l=t[o];return
null!=l?a=R(l):(o=n,a=s),s===e.column?{index:n,direction:0}:a===e.column||e.column>a&&null===l?{index:o,dire
ction:0}:s<e.column&&e.column<a?{index:n,direction:0}:{index:null,direction:e.column-s}}function F(e){return
function(e){const t=e[0];if(null===t)throw new Error("Unexpected line number missing in entry in
HookMap");return t}(e[0])}function R(e){const t=e[1];if(null===t)throw new Error("Unexpected column number
missing in entry in HookMap");return t}function B(e,t){const{sourceRoot:r}=t;let n=e;return
n=String(n),n=O.normalize(n),n=null!=r&&O.isAbsolute(r)&&O.isAbsolute(n)?O.relative(r,n):n,O.computeSource
URL(r,n)}class U{constructor(e){this._sourceMap=e,this._decodedHookMapCache=new
Map,this._metadataBySource=null}hookNameFor({line:e,column:t,source:r}){if(null===r)return null;const
n=this._getHookMapForSource(r);return null===n?null:_({line:e,column:t},n)}hasHookMap(e){return
null!=e&&null!=this._getHookMapForSource(e)._getMetadataBySource(){return
null===this._metadataBySource&&(this._metadataBySource=this._getMetadataObjectsBySourceNames(this._source
Map)),this._metadataBySource}_getMetadataObjectsBySourceNames(e){if(void 0===e.mappings){const
t=e,r=new Map;return
t.sections.forEach(e=>{this._getMetadataObjectsBySourceNames(e.map).forEach((e,t)=>{r.set(t,e)})),r}const
t=new Map,r=e,n=(e,n)=>{let
i=r.sources[n];null!=i&&(i=B(i,r),t.set(i,e));if(e.hasOwnProperty("x_react_sources")&&null!=e.x_react_sources){
e.x_react_sources.filter(Boolean).forEach(n)}else
if(e.hasOwnProperty("x_facebook_sources")&&null!=e.x_facebook_sources){const
t=e.x_facebook_sources;null!=t&&t.forEach((e,t)=>{const r=null!=e?e[1]:null;null!=r&&n(r,t)})}return
t}_getHookMapForSource(e){if(this._decodedHookMapCache.has(e))return
this._decodedHookMapCache.get(e);let t=null;const
r=this._getMetadataBySource(),n=B(e,this._sourceMap),i=r.get(n);if(null!=i){const
e=i[0];t=null!=e?function(e){return{name:e.names,mappings:k(e.mappings)}}(e):null}return
null!=t&&this._decodedHookMapCache.set(e,t,t)}function V(e){return null!=e.sections?function(e){let t={line:-
1,column:0};const r=e.sections.map(e=>{const
r=e.offset,n=r.line,i=r.column;if(n<t.line||n===t.line&&i<t.column)throw new Error("Section offsets must be
ordered and non-overlapping.");return

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t=r,{generatedLine:n+1,generatedColumn:i+1,map:e.map,sourceMapConsumer:null});return{originalPositionFor:
function({columnNumber:e,lineNumber:t}){const n=e-1;let i=null,s=0,a=r.length-1,o=-
1;for(;s<=a;){o=Math.floor((a+s)/2),i=r[o];const e=i.generatedLine;if(e===t){const
e=i.generatedColumn;if(e===t)break;if(e>n){if(!(a-o>0)){o=a;break}a=o}else{if(!(o-s>0)){o=s;break}s=o}}else
if(e>t){if(!(a-o>0)){o=a;break}a=o}else{if(!(o-s>0)){o=s;break}s=o}}if(null===i)throw Error(`Could not find
matching section for line:${t} and column:${e}`);return
null===i.sourceMapConsumer&&(i.sourceMapConsumer=new
V(i.map)),i.sourceMapConsumer.originalPositionFor({columnNumber:e,lineNumber:t})}(e):function(e){const
t=l(0,()=>k(e.mappings));return{originalPositionFor:function({columnNumber:r,lineNumber:n}){var i;const s=r-
1,a=t[n-1];let o=null,l=0,c=a.length-1,p=-1;for(;l<=c;){p=Math.floor((c+l)/2),o=a[p];const
e=o[0];if(e===s)break;if(e>s){if(!(c-p>0)){p=c;break}c=p}else{if(!(p-l>0)){p=l;break}l=p}}for(;p>0;){if(a[p-
1][0]!==s)break;p--}if(null===o)throw Error(`Could not find runtime location for line:${n} and column:${r}`);const
u=o[1],d=null!==e.sourcesContent?e.sourcesContent[u]:null,h=null!==(i=e.sources[u])&&void
0!==(i?i.null,f=o[2]+1,m=o[3];if(null===d||null===h)throw Error(`Could not find original source for line:${n} and
column:${r}`);return{column:m,line:f,sourceContent:d,sourceURL:h}}}(e)const K=new s.a({max:50}),q=new
s.a({max:50,dispose:(e,t)=>{0}});const Y=async function(e,t){return async function(e,t,r){const n=o(),i=await
t();if(null!=r){r(o()-n)}return i}(0,async()=>{const r=l(0,()=>function(e){const t=new Map;return
e.forEach((e,r)=>{t.set(r,{metadataConsumer:null,originalSourceAST:null,originalSourceCode:null,originalSource
URL:null,originalSourceLineNumber:null,originalSourceColumnNumber:null,sourceMapConsumer:null})}),t)(t);r
eturn l(0,()=>function(e,t){e.forEach((e,r)=>{const n=t.get(r);if(null===n)throw Error(`Expected to find
HookParsedMetadata for
"${r}"`);const {runtimeSourceURL:i,sourceMapJSON:s}=e,a=K.get(i);if(null!=a)n.metadataConsumer=a.metadataC
onsumer,n.sourceMapConsumer=a.sourceMapConsumer;else if(null!=s){const e=l(0,()=>V(s)),t=l(0,()=>new
U(s));n.metadataConsumer=t,n.sourceMapConsumer=e,K.set(i,{metadataConsumer:t,sourceMapConsumer:e})}})}(t,r)),l(0,()=>function(e,t){e.forEach((e,r)=>{const i=t.get(r);if(null===i)throw Error(`Expected to find
HookParsedMetadata for
"${r}"`);if(null===i.originalSourceAST)return;if(null!=i.originalSourceURL&&null!=i.originalSourceCode&&null!
=i.originalSourceColumnNumber&&null!=i.originalSourceLineNumber)return;const {lineNumber:s,columnNumber
:a}=e.hookSource;if(null===s||null===a)throw Error("Hook source code location not
found.");const {metadataConsumer:o,sourceMapConsumer:c}=i,p=e.runtimeSourceCode;let
u,d,h,f,m=!1;if(function(){if(null===A)try{v()}(A=!1)}catch(e){E.a.parse(e)[0].lineNumber===P.SOURCE_STAC
K_FRAME_LINE_NUMBER&&(A=!0)}return!0===A}()||null===c)h=a,f=s,d=p,u=e.runtimeSourceURL;else{const {column:e,line:t,sourceContent:r,sourceURL:n}=c.originalPositionFor({columnNumber:a,lineNumber:s});h=e,f=t,
d=r,u=n}if(i.originalSourceCode=d,i.originalSourceURL=u,i.originalSourceLineNumber=f,i.originalSourceColumn
Number=h,null!=o&&o.hasHookMap(u)&&(m=!0),m)return void 0;const
y=q.get(u);if(null!=y)i.originalSourceAST=y.originalSourceAST,i.originalSourceCode=y.originalSourceCode;else
try{const
e=d.indexOf("@flow")>0?"flow":"typescript",t=l(0,()=>Object(n.parse)(d,{sourceType:"unambiguous",plugins:["js
x"],e}));i.originalSourceAST=t,q.set(u,{originalSourceAST:t,originalSourceCode:d})}catch(e){throw new
Error(`Failed to parse source file: ${u}\n\nOriginal error: `+e)}}(t,r)),l(0,()=>function(e,t){const r=new
Map;return e.map(e=>{const n=e.hookSource;if(!n.fileName)return null;const i=w(n),s=t.get(i);if(!s)return
null;const {lineNumber:a,columnNumber:o}=n;if(!a||!o)return
null;const {originalSourceURL:c,originalSourceColumnNumber:p,originalSourceLineNumber:u}=s;if(null===u||null
===p||null===c)return null;let
d;const {metadataConsumer:h}=s,null!=h&&(d=l(0,()=>h.hookNameFor({line:u,column:p,source:c}))),null==d&&(
d=l(0,()=>m(e.s.originalSourceAST,s.originalSourceCode,u,p)));const
f=w(n);r.set(f,d)},r)(e,r)}},W=function(){q.reset(),K.reset();addEventListener("message",{var
r,n=e.data,i=n.type,s=n.method,a=n.id,o=n.params;"RPC"===i&&s&&((r=t[s])?Promise.resolve().then((function(){

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return r.apply(t,o)):Promise.reject("No such
method").then((function(e){postMessage({type:"RPC",id:a,result:e}})).catch((function(e){var
t={message:e};e.stack&&(t.message=e.message,t.stack=e.stack,t.name=e.name),postMessage({type:"RPC",id:a,erro
r:t}})})),postMessage({type:"RPC",method:"ready"}));\n//#
sourceMappingURL=parseSourceAndMetadata.worker.worker.js.map'}),{name:"parseSourceAndMetadata.worker.
worker.js"});return n(e,i,e)},208:function(e,t,r){ "use
strict";r.r(t),r.d(t,"parseSourceAndMetadata",(function(){return y})),r.d(t,"purgeCachedMetadata",(function(){return
T})),r.d(t,"parseHookNames",(function(){return b}));var n=r(72),i=r(207),s=r.n(i),a=r(1),o=r(39);function
l(e,t){if(null==t)return!1;if(void 0===e.mappings){return e.sections.some(e=>l(e.map,t))return
e.sources.some(e=>"Inline Babel script"===e||t.endsWith(e))}const c={cache:"force-cache"};async function
u(e,t){return Object(n.a)("loadSourceAndMetadata()",async()=>{const
r=Object(n.c)("initializeHookSourceAndMetadata",()=>function(e){const t=new Map;for(let
r=0;r<e.length;r++){const n=e[r].hookSource;if(null==n)throw Error("Hook source code location not found.");const
i=Object(o.b)(n);if(!t.has(i)){const
e=n.fileName,r={hookSource:n,runtimeSourceCode:null,runtimeSourceURL:e,sourceMapJSON:null,sourceMapUR
L:null};t.set(i,r)}return t})(e);return await Object(n.a)("loadSourceFiles()",()=>function(e,t){const r=new
Map,i=[];return e.forEach(e=>{const{runtimeSourceURL:s}=e;let
o=d,null!=t&&(o=e=>Object(n.a)("fetchFileWithCaching","${e}"),()=>t(e));const
l=r.get(s)||o(s).then(e=>{if(e.length>1e8)throw Error("Source code too large to parse");return
a.x&&(console.groupCollapsed("loadSourceFiles() runtimeSourceURL
"${s}"),console.log(e),console.groupEnd(),e));r.set(s,l),i.push(l.then(t=>{e.runtimeSourceCode=t})),Promise.all
(i)}(r,t)),await Object(n.a)("extractAndLoadSourceMapJSON()",()=>function(e){const t=new
Map;a.x&&console.log("extractAndLoadSourceMapJSON() load",e.size,"source maps");const r=[];return
e.forEach(e=>{const i=?sourceMappingURL=([^\s"]+)/gm,s=e.runtimeSourceCode;let
o=Object(n.c)("sourceMapRegex.exec(runtimeSourceCode)",()=>i.exec(s));if(null==o)a.x&&console.log("extractA
ndLoadSourceMapJSON() No source map found");else{const
c=[];for(;null!=o;){const{runtimeSourceURL:t}=e,r=o[1];if(r.indexOf("base64,")>=0)try{const
i=r.match(/base64,([a-zA-Z0-
9+\v=]+))/[1],s=Object(n.c)("decodeBase64String()",()=>p(i)),o=Object(n.c)("JSON.parse(decoded)",()=>JSON.par
se(s));if(a.x&&(console.groupCollapsed("extractAndLoadSourceMapJSON() Inline source
map"),console.log(o),console.groupEnd(),l(o,t)){e.sourceMapJSON=o,e.runtimeSourceCode=null;break}}catch(e)
}{else
c.push(r);o=Object(n.c)("sourceMapRegex.exec(runtimeSourceCode)",()=>i.exec(s))}null===e.sourceMapJSON&
&c.forEach((i,s)=>{if(s!==c.length-1)return void console.warn("More than one external source map detected in the
source file; skipping "${i}");const{runtimeSourceURL:o}=e;let
l=i;if(!l.startsWith("http")&&!l.startsWith("/")){if(-
1!==o.lastIndexOf("/")){l=`${o.slice(0,o.lastIndexOf("/"))}/${i}`}}e.sourceMapURL=l;const
u=t.get(l)||d(l).then(e=>Object(n.c)("JSON.parse(sourceMapContents)",()=>JSON.parse(e)),e=>null);a.x&&(t.has(l)
||console.log("extractAndLoadSourceMapJSON() External source map
"${l}"),t.set(l,u),r.push(u.then(t=>{null===t&&(e.sourceMapJSON=t,e.runtimeSourceCode=null)}))})),Promise
.all(r)}(r),r)}function p(e){if("function"===typeof atob)return atob(e);if("undefined"!==typeof
Buffer&&null===Buffer&&"function"===typeof Buffer.from)return Buffer.from(e,"base64");throw Error("Cannot
decode base64 string")}function d(e,t="fetchFile"){return Object(n.b)("${t}("${e}"),r=>new
Promise((n,i)=>{fetch(e,c).then(s=>{s.ok?s.text().then(e=>{r(),n(e)}).catch(n=>{a.x&&console.log(" ${t}() Could
not read text for url "${e}"),r(),i(null)}):(a.x&&console.log(" ${t}() Got bad response for url
"${e}"),r(),i(null))},e=>{a.x&&console.log(" ${t}() Could not fetch file: ${e.message}"),r(),i(null)}))})}function
h(e){const t=[];return Object(n.c)("flattenHooksList()",()=>!function e(t,r){for(let n=0;n<t.length;n++){const
i=t[n];f(i)?a.x&&console.log("flattenHooksListImpl() Skipping unnamed

```

```
hook",i):(r.push(i),i.subHooks.length>0&&e(i.subHooks,r))}(e,t)),a.x&&console.log("flattenHooksList()
hooksList:",t),t}function
f(e){return["Effect","ImperativeHandle","LayoutEffect","DebugValue"].includes(e.name)}const m=s();function
y(e,t){return m.parseSourceAndMetadata(e,t)}const T=m.purgeCachedMetadata,g=new Map;async function
b(e,t){return Object(n.a)("parseHookNames",async()=>{const r=h(e);if(0===r.length)return g;return y(r,await
u(r,t))}})};}
```

Found in path(s):

```
* /opt/cola/permits/1653802149_1682447902.7673888/0/react-devtools-core-4-27-6-
tgz/package/dist/parseHookNames.chunk.js
```

No license file was found, but licenses were detected in source scan.

```
{"version":3,"sources":["webpack://[name]/webpack/bootstrap","webpack://[name]/Users/hoxy/repos/react/build/os
s-experimental/react/index.js","webpack://[name]/../react-devtools-
shared/src/constants.js","webpack://[name]/Users/hoxy/repos/react/node_modules/css-loader/lib/css-
base.js","webpack://[name]/Users/hoxy/repos/react/node_modules/style-
loader/lib/addStyles.js","webpack://[name]/../react-devtools-
timeline/src/EventTooltip.css?77f7","webpack://[name]/../react-devtools-
shared/src/devtools/views/Settings/SettingsShared.css?710c","webpack://[name]/../react-devtools-
shared/src/devtools/views/ErrorBoundary/shared.css?c790","webpack://[name]/../react-devtools-
shared/src/devtools/views/Profiler/Profiler.css?e634","webpack://[name]/../react-devtools-
shared/src/devtools/views/Components/InspectedElementSharedStyles.css?8e96","webpack://[name]/../react-
devtools-
shared/src/devtools/views/Profiler/SidebarCommitInfo.css?cfde","webpack://[name]/Users/hoxy/repos/react/node_
modules/clipboard-js/clipboard.js","webpack://[name]/../react-devtools-
shared/src/devtools/views/Components/KeyValue.css?3555","webpack://[name]/Users/hoxy/repos/react/build/oss-
experimental/react-dom/index.js","webpack://[name]/../react-devtools-
shared/src/devtools/views/Components/InspectedElementHooksTree.css?6ddd","webpack://[name]/../react-
devtools-shared/src/Logger.js","webpack://[name]/../react-devtools-
shared/src/devtools/views/Profiler/SnapshotCommitList.css?2e28","webpack://[name]/../react-devtools-
shared/src/devtools/views/Components/Element.css?abd7","webpack://[name]/../react-devtools-
shared/src/devtools/views/Components/InspectedElement.css?708d","webpack://[name]/../react-devtools-
shared/src/devtools/views/Components/InspectedElementView.css?6300","webpack://[name]/../react-devtools-
shared/src/devtools/views/Components/Tree.css?49cb","webpack://[name]/../react-devtools-
shared/src/devtools/views/TabBar.css?309e","webpack://[name]/../react-devtools-
shared/src/devtools/views/Profiler/WhatChanged.css?bdf4","webpack://[name]/../react-devtools-
shared/src/config/DevToolsFeatureFlags.core-oss.js","webpack://[name]/Users/hoxy/repos/react/build/oss-
experimental/react-is/index.js","webpack://[name]/../react-devtools-
shared/src/devtools/views/Components/OwnersStack.css?c479","webpack://[name]/../react-devtools-
shared/src/devtools/views/UnsupportedBridgeProtocolDialog.css?e1de","webpack://[name]/../react-devtools-
shared/src/devtools/views/Components/NativeStyleEditor/LayoutViewer.css?b3f0","webpack://[name]/../react-
devtools-shared/src/devtools/views/Profiler/SidebarEventInfo.css?bde7","webpack://[name]/../react-devtools-
shared/src/devtools/views/Components/NativeStyleEditor/StyleEditor.css?e7df","webpack://[name]/../react-
devtools-
timeline/src/Timeline.css?784e","webpack://[name]/Users/hoxy/repos/react/node_modules/tabbable/index.js","web
pack://[name]/../react-devtools-shared/src/devtools/views/SearchInput.css?0a4d","webpack://[name]/../react-
devtools-
shared/src/devtools/views/Components/InspectedElementErrorsAndWarningsTree.css?78a7","webpack://[name]/../r
```


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TIVE_CODE_REGEXP","stacktrace","parseOpera","stack","match","parseV8OrIE","parseFFOrSafari","extractLoc ation","urlLike","exec","line","sanitizedLine","tokens","locationParts","functionName","functionNameRegex","pars eOpera9","parseOpera11","parseOpera10","lineRE","lines","argsRaw","functionCall","nullthrows","framesToPop", "addMethods","methods","w","Worker","quote","xs","op","String","CONTROL","TOKEN","random","env","mapp ed","chunker","RegExp","commented","BS","escape","esc","out","isGlob","parseEnvVar","comment","pattern","va rend","varname","substr","pre","getVar","reduce","arg","acc","worker","evt","for","q","u","y","z","A","aa","ba","ca ", "B","C","D","isMounted","enqueueForceUpdate","enqueueReplaceState","enqueueSetState","E","assign","F","G", "props","context","updater","H","I","isReactComponent","setState","forceUpdate","J","isPureReactComponent","K ", "L","M","current","N","ref","__self","__source","O","children","defaultProps","\$\$typeof","_owner","P","Q","R", "S","ea","da","T","fa","_status","_result","U","ha","W","X","transition","Y","ReactCurrentDispatcher","ReactCurre ntCache","ReactCurrentBatchConfig","ReactCurrentOwner","ContextRegistry","Z","Children","count","only","Co mponent","Fragment","Profiler","PureComponent","StrictMode","Suspense","SuspenseList","__SECRET_INTERN ALS_DO_NOT_USE_OR_YOU_WILL_BE_FIRED","cache","getCacheForType","cloneElement","createContext", "_currentValue","_currentValue2","_threadCount","Provider","Consumer","_defaultValue","_globalName","_conte xt","createFactory","createRef","createServerContext","experimental_useEffectEvent","useEffectEvent","forwardR ef","render","isValidElement","lazy","_payload","_init","compare","startTransition","unstable_Cache","unstable_D ebugTracingMode","unstable_Offscreen","unstable_act","unstable_getCacheForType","unstable_getCacheSignal", "getCacheSignal","AbortController","signal","unstable_useCacheRefresh","useCacheRefresh","unstable_useMemoC ache","useMemoCache","use","useCallback","useContext","useDebugValue","useDeferredValue","useEffect","useId","useImperativeHandle","useInsertionEffect","useLayoutEffect","useMemo","useReducer","useRef","useState","u seSyncExternalStore","useTransition","version","usingClientEntryPoint","Events","Dispatcher","ia","ja","ka","la", "nodeType","documentElement","namespaceURI","ma","na","oa","pa","qa","unstable_scheduleCallback","ra","unst able_cancelCallback","sa","unstable_shouldYield","ta","unstable_requestPaint","ua","unstable_now","va","unstable _getCurrentPriorityLevel","wa","unstable_ImmediatePriority","xa","unstable_UserBlockingPriority","ya","unstable _NormalPriority","za","unstable_LowPriority","Aa","unstable_IdlePriority","Ba","Ca","Da","Ga","clz32","Ha","Ia", "LN2","Ja","Ka","La","Ma","pendingLanes","suspendedLanes","pingedLanes","entangledLanes","entanglements", "Na","Oa","errorRecoveryDisabledLanes","Pa","Qa","Ra","Sa","Ua","Va","Wa","Xa","Ya","Za","\$a","ab","bb","db ", 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b","Ub","Vb","Xb","Yb","Zb","prepareStackTrace","construct","\$b","bc","ac","cc","dc","nodeName","fc","_valueT
racker","getOwnPropertyDescriptor","configurable","getValue","setValue","stopTracking","ec","gc","hc","activeEl
ement","ic","jc","defaultChecked","kc","defaultValue","mc","selected","defaultSelected","nc","oc","textContent","p
c","lastChild","nodeValue","qc","rc","setProperty","cssFloat","sc","tc","uc","vc","wc","srcElement","corresponding
UseElement","xc","yc","zc","form","multiple","Ac","Bc","Cc","return","flags","Dc","memoizedState","dehydrated
","Ec","Gc","sibling","Fc","Hc","Ic","Jc","Kc","Lc","Mc","contextTypes","__reactInternalMemoizedUnmaskedChil
dContext","__reactInternalMemoizedMaskedChildContext","Nc","childContextTypes","Oc","Pc","Qc","getChildCo
ntext","Rc","__reactInternalMemoizedMergedChildContext","Sc","Uc","is","Vc","Wc","Xc","Yc","Zc","\$c","ad","
bd","cd","dd","ed","fd","gd","hd","jd","kd","elementType","deletions","ld","md","nd","od","pendingProps","pd","o
verflow","treeContext","retryLane","qd","rd","sd","td","ud","vd","wd","memoizedProps","xd","suppressHydration
Warning","yd","onScroll","onClick","onclick","zd","Ad","Bd","Cd","Dd","Ed","Fd","Gd","Hd","Id","Jd","pending"
","Kd","Ld","lanes","Md","Nd","childLanes","_visibility","hiddenUpdates","lane","Od","Pd","Qd","Rd","updateQue
ue","baseState","firstBaseUpdate","lastBaseUpdate","shared","hiddenCallbacks","Sd","Td","payload","Ud","Vd","
Wd","Xd","Yd","Zd","\$d","ae","be","ce","de","ee","fe","ge","he","ie","je","ke","le","me","_stringRef","ne","pe","q
e","re","se","containerInfo","implementation","te","ue","ve","Bb","pm","we","xe","ye","ze","Ae","Be","baseLanes"
","Ce","De","Ee","Fe","Ge","He","Ie","Je","Ke","Le","revealOrder","Me","Ne","_workInProgressVersionPrimary","
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","df","ef","ff","AggregateError","gf","hf","expirationTimes","expiredLanes","callbackNode","cancelPendingCommi
t","callbackPriority","jf","kf","lf","mf","of","pf","qf","rf","sf","tf","uf","vf","wf","xf","yf","zf","V","Af","Bf","Cf","
Df","Ef","Ff","Gf","Hf","If","Jf","Kf","queue","Lf","baseQueue","Mf","Of","Pf","Qf","Rf","memoCache","lastEffe
ct","events","stores","Sf","Tf","lastRenderedReducer","action","hasEagerState","eagerState","Uf","lastRenderedStat
e","Vf","Wf","Xf","Yf","Zf","getSnapshot","\$f","ag","bg","cg","dg","eg","fg","gg","inst","deps","hg","ig","jg","kg"
","mg","lg","nextImpl","impl","ng","og","pg","qg","rg","sg","tg","ug","vg","nf","wg","xg","yg","zg","Ag","Bg","Cg"
","Dg","Eg","readContext","useMutableSource","identifierPrefix","Fg","Gg","Hg","_reactInternals","Ig","shouldCo
mponentUpdate","Jg","contextType","state","Kg","componentWillReceiveProps","UNSAFE_componentWillRecei
veProps","Lg","getDerivedStateFromProps","getSnapshotBeforeUpdate","UNSAFE_componentWillMount","comp
onentWillMount","componentDidMount","Mg","Ng","Og","Pg","Qg","Rg","Sg","getDerivedStateFromError","com
ponentDidCatch","Tg","componentStack","Ug","Vg","Wg","Xg","Yg","Zg","\$g","ah","bh","ch","dh","eh","_pendi
ngVisibility","fh","gh","cachePool","hh","ih","pool","jh","kh","lh","UNSAFE_componentWillUpdate","component
WillUpdate","componentDidUpdate","mh","nh","pendingContext","oh","ph","qh","rh","sh","th","unstable_expected
LoadTime","uh","xh","wh","dataset","dgst","yh","zh","_reactRetry","vh","subtreeFlags","Ah","Bh","Ch","isBackw
ards","rendering","renderingStartTime","tailMode","Dh","dependencies","Gh","Hh","Ih","Jh","Kh","Fh","Lh","Mh"
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","Vh","Wh","loading","Xh","Yh","Zh","\$h","isDehydrated","ai","bi","ci","createElementNS","innerHTML","di","
autoFocus","ei","fi","gi","retryQueue","ii","ji","ki","onError","li","mi","ni","oi","pi","qi","si","ti","ui","WeakSet","
vi","wi","refCleanup","xi","yi","zi","Hi","Ii","Ji","Ki","Li","focus","src","Mi","Ni","__reactInternalSnapshotBefore
Update","Oi","Pi","Qi","Ri","Si","Ui","Vi","Wi","Xi","Yi","onCommitFiberUnmount","attributes","removeAttribut
eNode","Zi","\$i","componentWillUnmount","bj","_retryCache","aj","cj","dj","ej","fj","gj","getElementsByTagNam
e","hasAttribute","hj","title","crossOrigin","httpEquiv","charSet","ij","jj","kj","lj","mj","nj","_current","oj","display
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tions","markerInstances","vk","mutableReadLanes","Ta","xk","Bi","Ci","Ei","Di","selectionStart","selectionEnd","
defaultView","rangeCount","anchorNode","anchorOffset","focusNode","focusOffset","Fi","focusedElem","selectio
nRange","Gi","Ai","Sm","contains","compareDocumentPosition","extend","Rm","setStart","setEnd","left","scrollLe
ft","top","scrollTop","yk","zk","onCommitFiberRoot","Ea","onRecoverableError","wk","pooledCacheLanes","onPo
stCommitFiberRoot","Ak","pingCache","Bk","Ck","Fk","itemProp","precedence","onLoad","Gk","_pendingMarker

s","_transitions","detach","attach","pendingChildren","Hk","mutableSourceEagerHydrationData","incompleteTransitions","Ik","Jk","Kk","Lk","Mk","Nk","Ok","Pk","Qk","Rk","Eh","Dk","In","Wn","as","integrity","hrefLang","referrerPolicy","Rn","Ek","Tk","Uk","Vk","Wk","Xk","Yk","Zk","\$k","al","bl","cl","dl","fl","pointerId","gl","nativeEvent","blockedOn","domEventName","eventSystemFlags","targetContainers","il","priority","jl","kl","dispatchEvent","ll","ml","nl","ol","pl","ql","rl","sl","tl","hl","stopPropagation","ul","vl","wl","xl","yl","keyCode","charCode","zl","Al","Bl","_reactName","_targetInst","currentTarget","isDefaultPrevented","defaultPrevented","returnValue","isPropagationStopped","cancelBubble","persist","isPersistent","Gl","Hl","Il","Cl","eventPhase","bubbles","cancelable","timeStamp","isTrusted","Dl","El","detail","Fl","Kl","screenX","screenY","clientX","clientY","pageX","pageY","ctrlKey","shiftKey","altKey","metaKey","getModifierState","Jl","button","buttons","relatedTarget","fromElement","toElement","movementX","movementY","Ll","Nl","dataTransfer","Pl","Rl","animationName","elapsedTime","pseudoElement","Tl","Vl","Wl","Esc","Spacebar","Left","Up","Right","Down","Del","Win","Menu","Apps","Scroll","MozPrintableKey","Xl","8","9","12","13","16","17","18","19","20","27","32","33","34","35","36","37","38","39","40","45","46","112","113","114","115","116","117","118","119","120","121","122","123","144","145","224","Yl","Alt","Control","Meta","Shift","Zl","am","fromCharCode","locale","which","cm","height","pressure","tangentialPressure","tiltX","tiltY","twist","pointerType","isPrimary","em","touches","targetTouches","changedTouches","gm","propertyName","im","deltaX","wheelDeltaX","deltaY","wheelDeltaY","wheelDelta","deltaZ","deltaMode","jm","km","lm","documentMode","mm","nm","om","qm","rm","sm","tm","wm","color","date","datetime","email","month","number","tel","text","week","xm","ym","zm","Am","Bm","Cm","Dm","Em","Fm","Gm","Hm","Im","Jm","oninput","Km","detachEvent","Lm","Mm","attachEvent","Nm","Om","Pm","Qm","contentWindow","Tm","Um","Vm","Wm","Xm","Ym","Zm","\$m","animationend","animationiteration","animationstart","transitionend","an","bn","cn","animation","dn","en","gn","hn","jn","kn","mn","nn","toUpperCase","qn","rn","ri","sn","tn","un","capture","passive","vn","parentWindow","wn","xn","um","char","vm","submitter","formAction","FormData","ln","yn","zn","An","Bn","__html","muted","Cn","endsWith","dangerouslySetInnerHTML","Dn","queueMicrotask","catch","En","Fn","previousSibling","Hn","getRootNode","Jn","prefetchDNS","On","preconnect","Pn","preinit","Un","Vn","Yn","ao","bo","co","eo","reportError","fo","_internalRoot","go","ho","io","jo","ko","unmount","unstable_scheduleHydration","mo","findFiberByHostInstance","bundleType","rendererPackageName","no","rendererConfig","overrideHookState","overrideHookStateDeletePath","overrideHookStateRenamePath","overrideProps","overridePropsDeletePath","overridePropsRenamePath","setErrorHandler","setSuspenseHandler","scheduleUpdate","currentDispatcherRef","findHostInstanceByFiber","findHostInstancesForRefresh","scheduleRefresh","scheduleRoot","setRefreshHandler","getCurrentFiber","reconcilerVersion","oo","isDisabled","supportsFiber","inject","createPortal","unstable_strictMode","findDOMNode","flushSync","hydrate","hydratedSources","_getVersion","_source","unmountComponentAtNode","unstable_batchedUpdates","unstable_renderSubtreeIntoContainer","unstable_runWithPriority","sortIndex","startTime","expirationTime","priorityLevel","navigator","scheduling","isInputPending","MessageChannel","port2","port1","onmessage","postMessage","unstable_Profiling","unstable_continueExecution","unstable_forceFrameRate","unstable_getFirstCallbackNode","unstable_next","unstable_pauseExecution","delay","unstable_wrapCallback","insert","inserted","pushNode","forEachReverse","getReverse","mapReverse","initial","reduceReverse","toArrayReverse","to","sliceReverse","deleteCount","reverse","ContextConsumer","ContextProvider","ForwardRef","Lazy","Memo","Portal","isAsyncMode","isConcurrentMode","isContextConsumer","isContextProvider","isElement","isForwardRef","isFragment","isLazy","isMemo","isPortal","isProfiler","isStrictMode","isSuspense","isSuspenseList","isValidElementType","getModuleId","typeof","kDone","kRun","jobs","job","Event","MessageEvent","CloseEvent","wasClean","OpenEvent","ErrorEvent","EventTarget","onMessage","onClose","onOpen","Duplex","duplexOnEnd","destroyed","duplexOnError","listenerCount","ws","resumeOnReceiverDrain","duplex","autoDestroy","objectMode","writableObjectMode","_destroy","_final","_readableState","endEmitted","_read","needDrain","createServer","STATUS_CODES","keyRegex","kUsedByWebSocketServer","server","writable","handleProtocols","clientTracking","verifyClient","noServer","backlog","_server","writeHead","listen","_removeListeners","addListeners","listening","upgrade","handleUpgrade","clients","client","shouldHandle","info","secure","connection","authorized","encrypted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"finallyLoc", "afterLoc", "tryEntries", "resetTryEntry", "completion", "iterable", "iteratorMethod", "isGeneratorFunction", "genFun", "ctor", "setPrototypeOf", "__proto__", "wrap", "iter", "skipTempReset", "stop", "rootRecord", "rval", "exception", "handle", "loc", "caught", "hasCatch", "hasFinally", "finallyEntry", "complete", "finish", "thrown", "delegateYield", "regeneratorRuntime", "accidentalStrictMode", "importFromOldV8CPUProfile", "importFromChromeCPUProfile", "importFromChromeTimeline", "isChromeTimeline", "profile_1", "value_formatters_1", "v8cpuFormatter_1", "rawProfile", "first", "cpuProfileById", "pidTidById", "threadNameByPidTid", "pidTid", "pid", "tid", "cpuProfile", "endTime", "samples", "timeDeltas", "warn", "profiles", "indexToView", "profileId", "threadName", "profile", "setName", "callFrameToFrameInfo", "frameInfoForCallFrame", "callFrame", "file", "col", "shouldIgnoreFunction", "shouldPlaceOnTopOfPreviousStack", "chromeProfile", "CallTreeProfileBuilder", "nodeById", 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focalFrame, appendSampleWithWeight, getProfileForCalleesOf, findCalls, focalFrameNode, recordSubtree, demangle, demangleCpp, remapNames, pendingSample, _appendSample, weight, useAppendOrder, frameInfo, appendSampleWithTimestamp, timestamp, centralTimestamp, endTimestamp, startTimestamp, appendOrderStack, groupedOrderStack, lastValue, addWeightsToFrames, addWeightsToNodes, _enterFrame, prevTop, frameCount, _leaveFrame, leavingStackTop, cppfilt, treeToArray, scriptId, hitCount, timestamps, Flamechart, math_1, layers, minFrameWidth, layerIndex, getLayers, getColorBucketForFrame, getMinFrameWidth, getClampedViewportWidth, viewportWidth, maxWidth, maxZoom, minWidth, clamp, getClampedConfigSpaceViewportRect, configSpaceViewportRect, renderInverted, configSpaceSize, Vec2, withX, zero, minus, plus, Rect, minVal, maxVal, AffineTransform, withY, times, scalar, timesPointwise, dividedByPointwise, dot, equals, approxEquals, epsilon, length2, sqrt, flatten, m00, m01, m02, m10, m11, m12, withScale, scaledBy, getScale, withTranslation, getTranslation, translatedBy, timesScalar, det, adj, inverted, transformVector, inverseTransformVector, inv, transformPosition, inverseTransformPosition, transformRect, inverseTransformRect, isEmpty, right, bottom, topLeft, topRight, bottomRight, bottomLeft, withOrigin, withSize, closestPointTo, distanceFrom, hasIntersectionWith, intersectWith, area, empty, NDC, _capitalize, _getter, booleanProps, numericProps, stringProps, getArgs, setArgs, getEvalOrigin, evalOrigin, setEvalOrigin, getFileName, getLineNumber, getColumnNumber, getFunctionName, getIsEval, fromString, argsStartIndex, argsEndIndex, lastIndexOf, locationString, addListener, listenersMap, didThrow, caughtError, clonedListeners, BRIDGE_PROTOCOL, minNpmVersion, maxNpmVersion, currentBridgeProtocol, Bridge, wall, _timeoutID, _messageQueue, _wall, _flush, rendererID, wasForwarded, _wallUnlisten, overrideValueAtPath, _isShutdown, shutdown, wallUnlisten, REACT_SUSPENSE_LIST_TYPE, REACT_TRACING_MARKER_TYPE, localStorageGetItem, localStorage, getItem, localStorageSetItem, setItem, meta, inspectable, inspect

ted","preview_long","preview_short","readonly","unserializable","fillInPath","getInObject","unserializablePath","is Match","upgradeUnserializable","setInObject","cleaned","replaced","destination","defineProperties","cachedDisplayNames","LRU","alphaSortKeys","getAllEnumerableKeys","currentKeys","getOwnPropertySymbols","descriptors","getOwnPropertyDescriptors","getDisplayName","fallbackName","nameFromCache","utfDecodeString","fromCodePoint","getSavedComponentFilters","raw","isEnabled","setSavedComponentFilters","componentFilters","parseBoolean","separateDisplayNameAndHOCs","hocDisplayNames","shallowDiffers","attribute","reduced","attr","getDataType","HTMLElement","toStringValue","isPlainObject","getDisplayNameForReactElement","TracingMarker","truncateForDisplay","formatDataForPreview","showFormattedValue","formatted","shortName","entryOrEntries","objectPrototype","unicode","Space_Separator","ID_Start","ID_Continue","util","isSpaceSeparator","isIdStartChar","isIdContinueChar","isDigit","isHexDigit","parseState","pos","column","lexState","doubleQuote","sign","lex","lexStates","codePointAt","newToken","invalidChar","literal","unicodeEscape","invalidIdentifier","hexEscape","formatChar","separatorChar","parseStates","invalidEOF","syntaxError","replacements","hexString","reviver","internalize","holder","replacer","space","propertyList","replacerFunc","indent","gap","serializeProperty","toJSON5","toJSON","quoteString","stepback","final","partial","propertyString","properties","serializeArray","member","serializeKey","serializeObject","quotes","product","quoteChar","firstChar","printElement","includeWeight","hocs","depth","sanitizeForParse","smartParse","JSON5","smartStringify","STACK_DELIMETER","STACK_SOURCE_LOCATION","commitGradient","getGradientColor","maxIndex","formatDuration","formatTime","scale","minValue","maxValue","minRange","maxRange","fallbackValue","debug","methodName","rootToCommitTreeMap","getCommitTree","commitIndex","profilerStore","rootID","commitTrees","profilingData","dataForRoot","dataForRoots","operations","commitTree","recursivelyInitializeTree","updateTree","__printTree","parentID","snapshots","treeBaseDuration","initialTreeBaseDurations","childID","getClonedNode","clonedNode","stringTable","stringTableSize","stringTableEnd","nextLength","nextString","operation","removeLength","removeIndex","numChildren","numErrors","numWarnings","group","cachedChartData","ProfilingCache","_profilerStore","fiberID","cachedFiberCommits","_fiberCommits","fiberCommits","getDataForRoot","commitData","commitDatum","fiberActualDurations","getCommitData","fiberSelfDurations","chartDataKey","idToDepthMap","renderPathNodes","rows","maxDepth","maxSelfDuration","walkTree","rightOffset","currentDepth","actualDuration","selfDuration","didRender","maybeKey","maybeBadge","label","chartNode","baseDuration","currentID","chartData","getFlamegraphChartData","chartNodes","getRankedChartData","invalidate","ProfilerStore","bridge","store","defaultIsProfiling","elementID","profilingSnapshots","_store","getElementByID","snapshotNode","_takeProfilingSnapshotRecursive","_isProfiling","profilingOperations","_inProgressOperationsByRootID","_initialRendererIDs","_initialSnapshotsByRootID","_rendererIDsThatReportedProfilingData","dataBackend","_rendererQueue","_dataBackends","_dataFrontend","dataBackends","operationsByRootID","snapshotsByRootID","timelineDataArray","timelineData","batchUIDToMeasuresKeyValueArray","internalModuleSourceToRanges","laneToLabelKeyValueArray","laneToReactMeasureKeyValueArray","rest","batchUIDToMeasuresMap","laneToLabelMap","laneToReactMeasureMap","convertedCommitData","commitDataBackend","changeDescriptions","effectDuration","passiveEffectDuration","updaters","serializedElement","serializedElementDisplayName","serializedElementHocDisplayNames","imported","prepareProfilingDataFrontendFromBackendAndStore","_bridge","onBridgeOperations","onBridgeProfilingData","onProfilingStatus","onBridgeShutdown","isProfiling","rootIDToRendererID","roots","_cache","startProfiling","recordChangeDescriptions","stopProfiling","UnsupportedBridgeOperationError","Store","config","parentElement","weightDelta","isInsideCollapsedSubTree","_idToElement","_weightAcrossRoots","isSupported","validAttributes","_isNativeStyleEditorSupported","_nativeStyleEditorValidAttributes","haveRootsChanged","haveErrorsOrWarningsChanged","addedElementIDs","removedElementIDs","_throwAndEmitError","ownerID","isStrictModeCompliant","supportsBasicProfiling","supportsTimeline","supportsStrictMode","hasOwnerMetadata","_bridgeProtocol","_roots","_rootIDToRendererID","_rootIDToCapabilities","isStrictModeNonCompliant","displayNameWithoutHOCs","_collapseNodesByDefault","_adjustParentTreeWeight","_ownersMap","_errorsAndWarnings","recursivelyDeleteElements","_recursivelyUpdateSubtree","errorCount","warningCount","_revision","_cachedErrorAndWarningTuples","_cachedErrorCount","_cachedWarningCount","prevRootSupportsProfiling","_rootSupportsBasicProfiling","prevRootSupportsTimelineProfiling","_rootSupportsTimelineProfiling","_hasOwnerMetadata","snapshotLines","rootWeight","printSelected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E,EAAML,GALCrC,IAALInE,EAALUwE,EAALK,IAAM,GALCrBC,EAALaD,EAALK,GALtB,IAALKC,EALCJ,OAALozE,
EALGR,GALImE,GAALgC,mBAATO,KAAqB,CAL/C,IAAIC,GALYaC,EALZaH,EALiBxB,mEAHMC,KAAKG,SAASC
,mBAAMBC,KAAKC,UAAUJ,MALGtC,OALhBIBK,EAALaR,EAALWS,QAALQX,KAAI,SAALUY,GALCjD,MAAO,iBA
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B/E,KAAK,MAALOnE,IAALmBgF,EALJIB,MAAO,CAAL5E,GAASJ,KAAK,MALtDNyF,CAALuBb,EAAML,GAL3C,
OALAGK,EAALK,GALCA,UAAAYA,EAALK,GAALK,IAALmxE,EAALU,IALEtCA,KALENJ,KAAK,KALITwE,EAALvF,EA
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uC,cAAczwC,GAAsE,GAAnEuP,IAAI3N,EAAE6uC,cAAczwC,EAAE++C,IAAG,GAAIn9C,EAAEA,EAAEi8C,MAAMuB,GAAGC,GAAGv8C,KAAK,KAAKnB,EAAEC,EAAEqN,GAAG,CAACA,IAAOTrN,EAAE09C,cAAcpwC,GAAGK,GAAG,OAAO+wB,IAAuB,EAAPBA,GAAEmQ,cAAcvG,IAAM,CAAIE,GAAhEvoC,EAAE4uC,OAAO,KAAKgP,GAAG,EAAEC,GAAG18C,KAAK,KAAKnB,EAAEC,EAAE5B,EAAEkP,GAAG,CAACkgB,aAAQ,GAAQ,MAAS,OAAOyQ,GAAE,MAAM92B,MAAMo0B,EAAE,MAAM,IAAQ,GAAsf,KAAQgD,GAAG99C,EAAEuN,EAAEIP,GAAG,OAAOA,EAAE,SAASy/C,GAAGxwC,EAAEC,EAAEvN,GAAGsN,EAAEshC,OA AO,MAAMthC,EAAE,CAACqwC,YAAypwC,EAAE3M,MAAMZ,GAAMb,QAABuN,EAAE6wB,GAAEsW,cAAAsBnnC,EANK,CAACovC,WAAW,KAAKC,OAAO,KAAKC,OAAO,KAAKH,UAAU,MAMjDte,GAAEsW,YAA YnnC,EAAEA,EAAEsvC,OAAO,CAACvvC,IAAgB,QAAXtN,EAAEuN,EAAEsvC,QAAgBtvC,EAAEsvC,OAAO,CAACvvC,GAAGtN,EAAEvB,KAAK6O,GACre,SAASuwC,GAAGvwC,EAAEC,EAAEvN,EAAEC,GAAG sN,EAAE3M,MAAMZ,EAAEuN,EAAEowC,YAAy19C,EAAE89C,GAAGxwC,IAAIywC,GAAG1wC,GAAG,SA ASowC,GAAGpwC,EAAEC,EAAEvN,GAAG,OAAOA,GAAE,WAAW+9C,GAAGxwC,IAAIywC,GAAG1wC,M AAK,SAASywC,GAAGzwC,GAAG,IAAIC,EAAED,EAAEqwC,YAA YrwC,EAAEA,EAAE1M,MAAM,IAAI,IA AIZ,EAAEuN,IAAI,OAAO+iC,GAAGhjC,EAAEtN,GAAG,MAAMC,GAAG,OAAO,GAAL,SAAS+9C,GAAG1w C,GAAG,IAAIC,EAAEymC,GAAG1mC,EAAE,GAAG,OAAOC,GAAG0wC,GAAG1wC,EAAED,EAAE,GAAG, SAAS4wC,GAAG5wC,GAAG,IAAIC,EAAE4uC,KAA6L,MAAxL,mBAAoB7uC,IAAIA,EAAEA,KAAKC,EAA EuhC,cAAcvhC,EAAEonC,UAAUrnC,EAAEA,EAAE,CAACsmC,QAAQ,KAAKG,MAAM,EAAEvhB,SAAS,KA AKwqB,oBAAoBF,GAAGO,kBAakB/vC,GAAGC,EAAE2uC,MAAM5uC,EAAEA,EAAEA,EAAEkIB,SAAS2rB ,GAAGh9C,KAAK,KAAKi9B,GAAE9wB,GAAS,CAACC,EAAEuhC,cAAcxhC,GACze,SAASswC,GAAGtwC,E AAEC,EAAEvN,EAAEC,GAakN,OAA/MqN,EAAE,CAACi7B,IAAIj7B,EAAErM,OAAOsM,EAAE6wC,KAAK p+C,EAAEq+C,KAAKp+C,EAAEilB,KAAK,MAAsB,QAAB3X,EAAE6wB,GAAEsW,cAAAsBnnC,EARKu,CA ACovC,WAAW,KAAKC,OAAO,KAAKC,OAAO,KAAKH,UAAU,MAQ9Wte,GAAEsW,YAA YnnC,EAAEA,EA AEovC,WAAWrvC,EAAE4X,KAAK5X,GAAMb,QAaftN,EAAEuN,EAAEovC,YAAoBpvC,EAAEovC,WAAWr vC,EAAE4X,KAAK5X,GAAGrN,EAAED,EAAEkIB,KAAKlIB,EAAEkIB,KAAK5X,EAAEA,EAAE4X,KAAKjl B,EAAEsN,EAAEovC,WAAWrvC,GAAWA,EAAE,SAASgxC,KAAK,OAAOjC,KAAKvN,cAAc,SAASyP,GAA GjxC,EAAEC,EAAEvN,EAAEC,GAAG,IAAI5B,EAAE89C,KAAK/d,GAAEwQ,OAAOthC,EAAEjP,EAAEywC, cAAc8O,GAAG,EAAErwC,EAAEvN,EAAE,CAACytB,aAAQ,QAAQ,IAASxtB,EAAE,KAAKA,GAC1X,SAASu +C,GAAGlxC,EAAEC,EAAEvN,EAAEC,GAAG,IAAI5B,EAAEg+C,KAAKp8C,OAAE,IAASA,EAAE,KAAKA, EAAE,IAAI2N,EAAEvP,EAAEywC,cAAcsP,KAAK,OAAO7f,IAAG,OAAOt+B,GAAGs7C,GAAGt7C,EAAEs+ B,GAAEuQ,cAAcuP,MAAMhgD,EAAEywC,cAAc8O,GAAGrwc,EAAEvN,EAAE4N,EAAE3N,IAAI,SAASw+C, GAAGnxC,EAAEC,GAAGgxC,GAAG,QAAQ,EAAEjxC,EAAEC,GAAG,SAASkwC,GAAGnwC,EAAEC,GAAG ixC,GAAG,KAAK,EAAElxC,EAAEC,GACrQ,SAASmxC,GAAGpxC,GAAG,IAAIC,EAAE8uC,KAAKvN,cAAq C,OADyM,SAAYxhC,GAAG8wB,GAAEwQ,OAAO,EAAE,IAAIrhC,EAAE6wB,GAAEsW,YAAy,GAAG,OAA OnnC,EAAEA,EAT0F,CAACovC,WAAW,KAAKC,OAAO,KAAKC,OAAO,KAAKH,UAAU,MAStIte,GAAEsW, YAA YnnC,EAAEA,EAAEqvC,OAAO,CAACtvC,OAAO,CAAC,IAAItn,EAAEuN,EAAEqvC,OAAO,OAAO58C ,EAAEuN,EAAEqvC,OAAO,CAACtvC,GAAGtN,EAAEvB,KAAK6O,IAC/Wqx,CAAG,CAAClhB,IAAIlwB,E AAExC,SAAStxC,IAAW,WAAW,GAAG,IAAO,EAAEfgwB,IAAK,MAAMI2B,MAAMo0B,EAAE,MAAM,OAA OjuB,EAAEsxC,KAAKz5C,WAAW,EAAOC,YAAy,SAASy5C,GAAGxxC,EAAEC,GAAG,OAAOixC,GAAG,E AAEE,EAAElxC,EAAEC,GAAG,SAASwxC,GAAGzxC,EAAEC,GAAG,OAAOixC,GAAG,EAAE,EAAElxC,EAA EC,GAAG,SAASyxC,GAAG1xC,EAAEC,GAAG,MAAG,mBAAoBA,GAASD,EAAEA,IAAIC,EAAED,GAAG, WAAWC,EAAE,QAAU,MAAOA,GAAqBD,EAAEA,IAAIC,EAAEgwB,QAAQjwB,EAAE,WAAWC,EAAEgwB ,QAAQ,YAAte,EAA4E,SAAS0hB,GAAG3xC,EAAEC,EAAEvN,GAAGA,EAAE,MAAOA,EAAcA,EAAEH,OA AO,CAACyN,IAAI,KAAKkxC,GAAG,EAAE,EAAEQ,GAAG79C,KAAK,KAAKoM,EAAED,GAAGtN,GAAG,S AASK/C,MAC/d,SAASC,GAAG7xC,EAAEC,GAAG,IAAIvN,EAAEq8C,KAAK9uC,OAAE,IAASA,EAAE,KAA KA,EAAE,IAAItn,EAAED,EAAE8uC,cAAc,OAAO,GAAG,OAAOvhC,GAAGguC,GAAGhuC,EAAEtN,EAAE,IAAWA ,EAAE,IAAGD,EAAE8uC,cAAc,CAACxhC,EAAEC,GAAUD,GAAE,SAAS8xC,GAAG9xC,EAAEC,GAAG,IAA IvN,EAAEq8C,KAAK9uC,OAAE,IAASA,EAAE,KAAKA,EAAE,IAAItn,EAAED,EAAE8uC,cAAc,OAAO,GAAG,OAA

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AmBF,EAAQID,QA0BjC,OAZBAoD,EAAiB1gF,KAAOwD,KAAKxD,KAC7B0gF,EAAiBpB,eAAiB97E,KAAK87E,eAqBvC97E,KAAK88E,aAAa5yE,IACdgzE,EAAiBxB,OAAO3/D,YAAY7R,GAAGmxE,oBAAoBnxE,KAExDgzE,EAEXC,+BAA+BC,GAC3B,MAAMC,EAAa1C,EAAM5+D,YAAY/b,KAAK07E,OAAQ0B,GAC5CJ,EAAU,IAAIxC,EAGd9sE,EAAQ,IACd,SAAS6uE,EAAMPvE,GACX,GAAIA,EAAKwhB,QAAU0uD,EACf3vE,EAA M3S,KAAKoS,QAGX,IAAK,IAAIu3B,KAASv3B,EAAKgtB,SACnBoiD,EAAM73C,GAIIB63C,CAAMv8E,KA AK27E,yBACX,IAAK,IAAIxuE,KAAQO,EAAO,CACpB,MAAM0mB,EAAQ,GACd,IAAK,IAAI12B,EAAIyP,E AAW,MAALzP,GAAaA,EAAEixB,QAAUgsD,EAAMrpd,KAAAM5zB,EAAIA,EAAEoE,OAC1DsyB,EAAMr5B, KAAK2C,EAAEixB,OAEjBquD,EAAQM,uBAAuBlpD,EAAOjnB,EAAK8tE,kBAE/C,MAAMP9D,EAAMm/D,E AAQID,QAGpB,OAFaj8D,EAAIrhB,KAAOwD,KAAKxD,KACbqhB,EAAIi+D,eAAiB97E,KAAK87E,eACnBj +D,EAEX0/D,uBAAuBH,GACnB,MAAMC,EAAa1C,EAAM5+D,YAAY/b,KAAK07E,OAAQ0B,GAC5CJ,EAA U,IAAIxC,GAapB,SAASgD,EAAUrwE,GACf,GAAIA,EAAKwhB,QAAU0uD,GAbvB,SAAuBI,GACnB,MAAMr pd,EAAQ,IACd,SAASmoD,EAAMPvE,GACXinB,EAAMr5B,KAAKoS,EAAKwhB,OACbquD,EAAQM,uBAA uBlpD,EAAOjnB,EAAK6tE,iBAC3C,IAAK,IAAI2C,KAASv3B,EAAKgtB,SACnBoiD,EAAM73C,GAEVtQ,EA AMrS,MAEVw6D,CAAMkB,GAIFC,CAAcvE,QAGd,IAAK,IAAIu3B,KAASv3B,EAAKgtB,SACnBqjD,EAAU 94C,GAItB84C,CAAUx9E,KAAK27E,yBACf,MAAM99D,EAAMm/D,EAAQID,QAGpB,OAFaj8D,EAAIrhB,K AAOWD,KAAKxD,KACbqhB,EAAIi+D,eAAiB97E,KAAK87E,eACnBj+D,EAGX8/D,WACI,OAAOxD,EAAU n6E,UAAM,OAAQ,GAAQ,YACnC,IAAI49E,EAAc,KACIB,IAAK,IAAIjvD,KAAS3uB,KAAK07E,OAGf/sD,EA AMnyB,KAAKqqB,WAAW,SACjB+2D,IACDA,SAAqB/C,GAAMb+C,aAE5CjvD,EAAMnyB,KAAOohF,EAAy jvD,EAAMnyB,UAK/CqhF,WAAWztE,GACP,IAAK,IAAIue,KAAS3uB,KAAK07E,OACnB/sD,EAAMnyB,KAA O4T,EAASue,EAAMnyB,OAIxCnC,EAAQogF,QAAUA,EACIB,MAAMD,UAAgCC,EACIC1vE,cACIuZ,SAAS3 iB,WACT3B,KAAK89E,cAAgB,KAezBC,cAAc3pD,EAAO4pD,EAAQC,GACzB,GAAItvE,MAAMqvE,GACN, MAAM,IAAI6E,MAAM,kBACpB,IAAIyJ,EAAO8wE,EAAiBj+E,KAAK27E,wBAA0B37E,KAAK47E,oBAC5D qB,EAAgB,IAAI/sE,IACxB,IAAK,IAAIguE,KAAa9pD,EAAO,CACzB,MAAMzF,EAAQgsD,EAAM5+D,YAAY/ b,KAAK07E,OAAQwC,GACvCrhE,EAAOohE,EACP9tD,EAAQIU,OAAO9O,EAAKgtB,UACpBhtB,EAAKgtB, SAAS/hB,KAAK9b,GAACA,EAAEqyB,QAAUA,GAC1C,GAAI9R,IAASA,EAAK2+D,YAAc3+D,EAAK8R,OA ASA,EAC1CxhB,EAAO0P,MAEN,CACD,MAAM/a,EAASqL,EACfA,EAAO,IAAIutE,EAAa/rD,EAAOxhB,GAC /BrL,EAAOq4B,SAASp/B,KAAKoS,GAezBA,EAAK+tE,iBAAiB8C,GAOtBf,EAAc5sE,IAAIID,EAAKwhB,OA G3B,GADAxhB,EAAKiue,gBAAGb4C,GACjBC,EACA,IAAK,IAAIv5C,KAASv3B,EAAKgtB,SACnBuK,EAA M+2C,SAGd,GAAIwC,EAAgB,CACb9wE,EAAKwhB,MAAMysD,gBAAGb4C,GAC3B,IAAK,IAAIrvD,KAAS suD,EACdtuD,EAAMusD,iBAAiB8C,GAEvB7wE,IAASgJB,EAAQIU,OAAOjc,KAAK63E,SAC7B73E,KAAK67 E,QAAQ77E,KAAK67E,QAAQ3/E,OAAS,IAAM8hF,GAGzCh+E,KAAK63E,QAAQ98E,KAAKoS,GACIBnN,K AAK67E,QAAQ9gF,KAAKijF,KAI9BV,uBAAuBlpD,EAAO4pD,GAC1B,GAAe,IAAXA,EAAJ,CAIA,GAAIA,E AAS,EACT,MAAM,IAAI6E,MAAM,sCAEpB1D,KAAK+9E,cAAc3pD,EAAO4pD,GAAQ,GACIch+E,KAAK+9 E,cAAc3pD,EAAO4pD,GAAQ,IAEtCG,0BAA0B/pD,EAAOgqD,GAC7B,GAAIp+E,KAAK89E,cAAe,CACpB,G AAIM,EAAyP+E,KAAK89E,cAAcO,iBAC/B,MAAM,IAAI36E,MAAM,oCAEpB,MAAM46E,GAAGBF,EAAyP +E,KAAK89E,cAAcO,kBAAoB,EACzEr+E,KAAKs9E,uBAAuBt9E,KAAK89E,cAAc1pD,MAAOkqD,EAAet+E, KAAK89E,cAAcS,gBACxFv+E,KAAK89E,cAAgB,CAAE1pD,QAAOmQD,eAAgBD,EAAcD,iBAAkBD,QAG9E p+E,KAAK89E,cAAgB,CAAE1pD,QAAOmQD,eAAgBH,EAAWC,iBAAkBD,GAGnFtE,QACI,OAbI95E,KAAK8 9E,gBACD99E,KAAK63E,QAAQ37E,OAAS,EACTb8D,KAAKs9E,uBAAuBt9E,KAAK89E,cAAc1pD,MAAO p0B,KAAK89E,cAAcO,iBAAmBr+E,KAAK89E,cAAcS,iBAK/Gv+E,KAAKs9E,uBAAuBt9E,KAAK89E,cAAc1pD ,MAAO,GACTp0B,KAAK65E,kBAAkB,IAAI5C,EAAMb/mD,qBAGtDlwB,KAAK+6E,YAActnE,KAAKC,IAA I1T,KAAK+6E,YAAa/6E,KAAK67E,QAAQtKd,OAAO,CAAC3tB,EAAGC,IAAMD,EAAIC,EAAG,IACnF7J,KA AKs8E,sBACet8E,MAGf3F,EAAQmgF,wBAA0BA,EAIIC,MAAM1B,UAA+B2B,EACjC1vE,cACIuZ,SAAS3iB, WACT3B,KAAKw+E,iBAAmB,CAACx+E,KAAK27E,yBAC9B37E,KAAKy+E,kBAAoB,CAACz+E,KAAK47E, qBAC/B57E,KAAKi9E,cAAgB,IAAI1gE,IACzBvc,KAAKo0B,MAAQ,GACbp0B,KAAK0+E,UAAY,EAERBC,m BAAmBzhF,GACf,MAAMi+E,EAAQj+E,EAAQ8C,KAAK0+E,UAC3B,IAAK,IAAIvD,KAAS3uB,KAAKi9E,c AAch4E,OACjC0pB,EAAMusD,iBAAiBC,GAe3B,MAAM3B,EAAWrpD,EAAQIU,OAAOjc,KAAKo0B,OACjC oID,GACAA,EAAS4B,gBAAGBD,GAGjCyD,kBAAkB1hF,EAAOk3B,GACrB,MAAM+mD,EAAQj+E,EAAQ8C,

KA AK0+E,UAC3B,IAAK,IAAIvxE,KAAQinB,EACbjnB,EAAK+tE,iBAAiBC,GAE1B,MAAM3B,EAAWrpD,EAAQIU,OAAOmY,GAC5BoLD,GACAA,EAAS4B,gBAAGBD,GAGjC0D,YAAYlwD,EAAOzxB,EAAO+gF,GACtB,IAAI7pD,EAAQ6pD,EAAiBj+E,KAAKw+E,iBAAMbx+E,KAAKy+E,kBAC1Dz+E,KAAK4+E,kBAaKB1hF,EAAOk3B,GAC9B,IAAI0qD,EAAU3uD,EAAQIU,OAAOmY,GAC7B,GAAI0qD,EAAS,CACT,GAAIb,EAAgB,CACHB,MAAM9C,EAAQj+E,EAAQ8C,KAAK0+E,UAC3B,GAAIvD,EAAQ,EACRn7E,KAAK63E,QAAQ98E,KAAK+jF,GACIB9+E,KAAK67E,QAAQ9gF,KAAKmC,EAAQ8C,KAAK0+E,gBAE9B,GAAIvD,EAAQ,EACb,MAAM,IAAIz3E,MAAO,qFAAoF1D,KAAK0+E,8BAA8BxhF,KAGhJ,MAAM2f,EAAOohE,EACP9tD,EAAQIU,OAAO6iE,EAAQ3kD,UACvB2kD,EAAQ3kD,SAAS/hB,KAAK9b,GAACA,EAAEqyB,QAAUA,GAC7C,IAAIxhB,EACA0P,IAASA,EAAK2+D,YAAc3+D,EAAK8R,OAASA,EAC1CxhB,EAAO0P,GAGP1P,EAAO,IAAIutE,EA Aa/rD,EAAOmWd,GAC/BA,EAAQ3kD,SAASp/B,KAAKoS,IAE1BinB,EAAMr5B,KAAKoS,IAGnBysE,WAAW sE,EAAWhhF,GACIB,MAAMyxB,EAAQgsD,EAAM5+D,YAAY/b,KAAK07E,OAAQwC,GAC7Cl+E,KAAK2+ E,mBAAMbzhF,GACxB8C,KAAK6+E,YAAYlwD,EAAOzxB,GAAO,GAC/B8C,KAAK6+E,YAAYlwD,EAAOz xB,GAAO,GAC/B8C,KAAKo0B,MAAMr5B,KAAK4zB,GACHB,MAAMowD,EAAa/+E,KAAKi9E,cAAcngF,IA AI6xB,IAAU,EACpD3uB,KAAKi9E,cAAcprE,IAAI8c,EAAOowD,EAAa,GAC3C/+E,KAAK0+E,UAA YxhF,EA ErB8hF,YAAYrwD,EAAOzxB,EAAO+gF,GACtB,IAAI7pD,EAAQ6pD,EAAiBj+E,KAAKw+E,iBAAMbx+E,KA AKy+E,kBAE1D,GADAz+E,KAAK4+E,kBAaKB1hF,EAAOk3B,GAC1B6pD,EAAgB,CACHB,MAAMgB,EAAk Bj/E,KAAKw+E,iBAAiBz8D,MAC9C,GAAuB,MAAnBk9D,EACA,MAAM,IAAIv7E,MAAO,mBAaKBirB,EA AMnxB,2BAE7C,GAAsB,MAAlBwC,KAAK0+E,UACL,MAAM,IAAIh7E,MAAO,qBAaOBirB,EAAMnxB,oCAG/ C,GADayhF,EAAgBxD,SACZwD,EAAgBtwD,MAAMnxB,MAAQmxB,EAAMnxB,IACpC,MAAM,IAAIkG,M AAO,yBAAWBirB,EAAMnyB,sBAAsByiF,EAAgBtwD,MAAMnyB,2BAA2BU,KAElH,MAAMi+E,EAAQj+E,E AAQ8C,KAAK0+E,UAC3B,GAAIvD,EAAQ,EACRn7E,KAAK63E,QAAQ98E,KAAKkkF,GACIBj/E,KAAK67E ,QAAQ9gF,KAAKmC,EAAQ8C,KAAK0+E,gBAE9B,GAAIvD,EAAQ,EACb,MAAM,IAAIz3E,MAAO,qFAAoF 1D,KACHG0+E,8BAA8BxhF,UAIvC8C,KAAKy+E,kBAaKB18D,MAG/B23D,WAAWwE,EAAWhhF,GACIB,M AAMyxB,EAAQgsD,EAAM5+D,YAAY/b,KAAK07E,OAAQwC,GAC7Cl+E,KAAK2+E,mBAAMbzhF,GACxB8 C,KAAKg/E,YAAYrwD,EAAOzxB,GAAO,GAC/B8C,KAAKg/E,YAAYrwD,EAAOzxB,GAAO,GAC/B8C,KAA Ko0B,MAAMrS,MACX,MAAMg9D,EAAa/+E,KAAKi9E,cAAcngF,IAAI6xB,GACxB,MAAdowD,IAEe,IAAfA, EACA/+E,KAAKi9E,cAAc8D,OAAOmO,GAG1B3uB,KAAKi9E,cAAcprE,IAAI8c,EAAOowD,EAAa,GAE/C/+ E,KAAK0+E,UAA YxhF,EACjB8C,KAAK+6E,YAActnE,KAAKC,IAAI1T,KAAK+6E,YAAa/6E,KAAK0+E,YA EvD5E,QAGI,GAAI95E,KAAKw+E,iBAAiBtiF,OAAS,GAAK8D,KAAKy+E,kBAaKBviF,OAAS,EACpE,MAA M,IAAIwH,MAAM,iEAGpB,OADA1D,KAAKs8E,sBACEt8E,MAGf3F,EAAQy+E,uBAAYBA,G,6BCpjBjC,IAA IoG,EAFjviF,OAAOC,eAAevC,EAAS,aAAc,CAAE6C,OAAO,IACtD7C,EAAQujF,iBAAc,EAETB,MAAMphD,E AAQ,IAAIjgB,IAqBIBliB,EAAQujF,YAlBR,SAAqBphF,GACjB,GAAIA,EAAKqqB,WAAW,OAAQ,CACxB,IA AlthB,EAASi3B,EAAM1/B,IAAIN,QACRkl,IAAXa,IAIK25E,IACDA,EAAU,IAAI3tD,SAAS,UAAW3H,EAAxB ,IAEdrkB,EAAS25E,EAAQ1iF,EAAKsO,MAAM,IAC5BvF,EAAoB,WAAXA,EAASb/L,EAAO+I,EACtCi3B,EA AM3qB,IAAIrV,EAAM+I,IARhB/L,EAAO+I,EAYf,OAAO/L,GAIX,MAAMotB,EAAQ,8snK,6BCxBd,SAASu1D, EAAY7tD,GACjB,MAAM5jB,EAAQ,GAiBd,OAhBA,SAAS6uE,EAAMpvE,GACXO,EAAM3S,KAAK,CACPm G,GAAIiM,EAAKjM,GACTs3E,UAAW,CACPtmE,aAAc,EACd6iB,aAAc5nB,EAAK4nB,aACnB9iB,WAA Y9E, EAAK8E,WACjBmtE,SAAUjyE,EAAKiyE,SACf94D,IAAKnZ,EAAKmZ,KAEd+4D,SAAUlyE,EAAKkyE,SACfl ID,SAAUhtB,EAAKgtB,SAAS16B,IAAIykC,GAASA,EAAMxjC,MAE/CiM,EAAKgtB,SAASj1B,QAAQq3E,GA E1BA,CAAMjrD,GACC5jB,EApBX/Q,OAAOC,eAAevC,EAAS,aAAc,CAAE6C,OAAO,IACtD7C,EAAQ0/E,uB AAoB,EAwC5B1/E,EAAQ0/E,kBAVR,SAA2Br+E,GAEvB,MAAO,CACHm8E,QAASn8E,EAAQm8E,QACjBxP ,UAA+B,IAApB3sE,EAAQ2sE,UACnBuP,QAA2B,IAAI18E,EAAQk8E,QACjBlqE,MAAOyxE,EAAYzjF,EAA Q0G,MAC3B01E,YAhBoBwH,EAgBW5jF,EAAQ4jF,WAhBPjX,EAgBmB3sE,EAAQ2sE,UAFxDiX,EAAWr/E,IA AI,CAACm+E,EAAWx3E,IAEvBw3E,GADyB,IAAVx3E,EAA0B,IAAZyhE,EAASBiX,EAAW14E,EAAQ,OAF rF,IAA4B04E,EAAYjX,I,6BCtBxC1rE,OAAOC,eAAevC,EAAS,aAAc,CAAE6C,OAAO,IACtD7C,EAAQklF,gB AAa,EACrB,MAAMpvD,EAAU90B,EAAQ,IAClBmkF,EAASnkF,EAAQ,KAYGvBhB,EAAQklF,WAXGR,MACI x0E,YAAYIK,GACrB,KAAKa,OAASA,EAEdb,KAAKy/E,OAAS,GACdz/E,KAAK+6E,YAAc,EACnB/6E,KAA K0/E,cAAgB,EACrB,MAAMtrD,EAAQ,GAedp0B,KAAK0/E,cAAgB7+D,IAarB7gB,KAAK+6E,YAAcl6E,EAA

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0BA3N/FR,GAAGBtng,YAAc,kB,wBCtDf,SAASmpG,IAAM,UAC5B9V,EAD4B,gBAE5Bha,EAF4B,KAG5B/kF
,EAH4B,SAI5Bu1B,IAEA,GAawB,OAAPBwvD,GAauD,IAA3BA,EAAGBztF,OAC9C,OAAO,KAGT,MAAMw
9G,EAakB/vB,EAAGBztF,OAExC,OACE,gBAAC,WAAD,KACE,uBAAKynG,UAAy,GAAEjhG,KAAO+2G,SA
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B,I,wBCUhD,SAASE,IAAW,UACjW,EAAY,GAAb,KAAiB/+F,IACID,IAAIkvG,EAaw,KACf,OAAQlvG,GA
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CX,MACF,IAAK,mBACH7G,EAaw8G,GACX,MACF,IAAK,WACH9G,EAaw+G,GACX,MACF,IAAK,SACH
/G,EAawgH,GACX,MACF,IAAK,SACHhH,EAawiH,GACX,MACF,IAAK,OACHjH,EAawkh,GACX,MACF,

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hN,EACEloF,IACauB,KAAKC,UAAU,aAGjBq8K,OA8MaK","file":"standalone.js","sourcesContent":["
The
module
cache
\n
\ tvar installedModules = { };
\n
\ // object to store loaded chunks
\n
\ // \"0\" means \"already
loaded\"
\n
\ tvar installedChunks = { };
\n
\ // The require function
\n
\ function
__webpack_require__(moduleId) {
\n
\ // Check if module is in cache
\n
\ if(installedModules[moduleId]) {
\n
\ // return installedModules[moduleId].exports;
\n
\ // Create a new module (and put it into the cache)
\n
\ \ tvar module = installedModules[moduleId] = {
\n
\ // id: moduleId,
\n
\ // exports: { }
\n
\ // Execute the module function
\n
\ modules[moduleId].call(module.exports, module, module.exports,
__webpack_require__);
\n
\ // Flag the module as loaded
\n
\ module.l = true;
\n
\ // Return the exports of the
module
\n
\ // return module.exports;
\n
\ }
\n
\ // This file contains only the entry chunk.
\n
\ // The chunk loading
function
for
additional
chunks
\n
\ __webpack_require__.e = function requireEnsure(chunkId) {
\n
\ \ tvar promises =
[];
\n
\n
\ // ReadFile + VM.run chunk loading for javascript
\n
\n
\ \ tvar installedChunkData =
installedChunks[chunkId];
\n
\ // if(installedChunkData !== 0) { // 0 means \"already installed\".
\n
\ // array of
[resolve, reject, promise] means \"currently loading\"
\n
\ // if(installedChunkData) {
\n
\ // promises.push(installedChunkData[2]);
\n
\ // } else {
\n
\ // load the chunk and return promise to it
\n
\ \ tvar promise = new Promise(function(resolve, reject) {
\n
\ // installedChunkData =
installedChunks[chunkId] = [resolve, reject];
\n
\ // filename = require('path').join(__dirname, \"^\" +
({\"0\": \"parseHookNames\")[chunkId]|chunkId) + \".chunk.js\");
\n
\ // require('fs').readFile(filename, 'utf-8',
function(err, content) {
\n
\ // if(err) return reject(err);
\n
\ // chunk = { };
\n
\ // require('vm').runInThisContext('(function(exports, require, __dirname, __filename) { ' + content + '\n})',
filename)(chunk, require, require('path').dirname(filename), filename);
\n
\ // moreModules =
chunk.modules, chunkIds = chunk.ids;
\n
\ // for(var moduleId in moreModules) {
\n
\ // modules[moduleId] = moreModules[moduleId];
\n
\ // }
\n
\ // callbacks = [];
\n
\ // for(var i = 0; i < chunkIds.length; i++) {
\n
\ // if(installedChunks[chunkIds[i]])
\n
\ // callbacks =
callbacks.concat(installedChunks[chunkIds[i]][0]);
\n
\ // installedChunks[chunkIds[i]] = 0;
\n
\ // }
\n
\ // for(i = 0; i < callbacks.length; i++)
\n
\ // callbacks[i]();
\n
\ // }
\n
\ // promises.push(installedChunkData[2] = promise);
\n
\ // }
\n
\ // return Promise.all(promises);
\n
\ }
\n
\ // expose the modules object (__webpack_modules__)
\n
\ __webpack_require__.m = modules;
\n
\ // expose the
module
cache
\n
\ __webpack_require__.c = installedModules;
\n
\n
\ // define getter function for harmony exports
\n
\ __webpack_require__.d = function(exports, name, getter) {
\n
\ // if(!__webpack_require__.o(exports, name)) {
\n
\ // Object.defineProperty(exports, name, { enumerable: true, get: getter });
\n
\ }
\n
\ // define __esModule
on
exports
\n
\ __webpack_require__.r = function(exports) {
\n
\ // if(typeof Symbol !== 'undefined' &&
Symbol.toStringTag) {
\n
\ // Object.defineProperty(exports, Symbol.toStringTag, { value: 'Module' });
\n
\ }
\n
\ // Object.defineProperty(exports, '__esModule', { value: true });
\n
\ }
\n
\n
\ // create a fake namespace object
\n
\ // mode & 1: value is a module id, require it
\n
\ // mode & 2: merge all properties of value into the ns
\n
\ // mode & 4:
return
value
when
already
ns
object
\n
\ // mode & 8|1: behave like require
\n
\ __webpack_require__.t =

```

```

function(value, mode) {\n \t\tif(mode & 1) value = __webpack_require__(value);\n \t\tif(mode & 8) return value;\n \t\tif((mode & 4) && typeof value === 'object' && value && value.__esModule) return value;\n \t\tvar ns =
Object.create(null);\n \t\t__webpack_require__.r(ns);\n \t\tObject.defineProperty(ns, 'default', { enumerable: true,
value: value });\n \t\tif(mode & 2 && typeof value !== 'string') for(var key in value) __webpack_require__.d(ns, key,
function(key) { return value[key]; }).bind(null, key);\n \t\treturn ns;\n \t};\n \t// getDefaultExport function for
compatibility with non-harmony modules\n \t__webpack_require__.n = function(module) {\n \t\tvar getter = module
&& module.__esModule ?\n \t\t\t(function getDefault() { return module['default']; }) :\n \t\t\t(function
getModuleExports() { return module; });\n \t\t__webpack_require__.d(getter, 'a', getter);\n \t\treturn getter;\n \t};\n \t
\t// Object.prototype.hasOwnProperty.call\n \t__webpack_require__.o = function(object, property) { return
Object.prototype.hasOwnProperty.call(object, property); };\n \t\t// __webpack_public_path__\n
\t__webpack_require__.p = "";;\n \t\t// uncaught error handler for webpack runtime\n \t__webpack_require__.oe =
function(err) {\n \t\tprocess.nextTick(function() {\n \t\t\tthrow err; // catch this error by using import().catch()\n
\t\t});\n \t};\n \t\t// Load entry module and return exports\n \treturn __webpack_require__(__webpack_require__.s
= 206);\n \t}, "use strict";\n \tif (process.env.NODE_ENV === 'production') {\n \t\tmodule.exports =
require('./cjs/react.production.min.js');\n \t} else {\n \t\tmodule.exports =
require('./cjs/react.development.js');\n \t}\n \t}, "/*\n \t * Copyright (c) Meta Platforms, Inc. and affiliates.\n \t * This
source code is licensed under the MIT license found in the\n \t * LICENSE file in the root directory of this source
tree.\n \t * @flow\n \t */\n \texport const CHROME_WEBSTORE_EXTENSION_ID =
'fmkadmapgofadopljbjfkapdkoienihi';\n \texport const INTERNAL_EXTENSION_ID =
'dnjnjbfilfphmojnmhliehogmojhcl';\n \texport const LOCAL_EXTENSION_ID =
'ikiahnapldjmdmpkmfhdjilohhgcbf';\n \t\t// Flip this flag to true to enable verbose console debug logging.\n \texport
const __DEBUG__ = false;\n \t\t// Flip this flag to true to enable performance.mark() and performance.measure()
timings.\n \texport const __PERFORMANCE_PROFILE__ = false;\n \texport const TREE_OPERATION_ADD =
1;\n \texport const TREE_OPERATION_REMOVE = 2;\n \texport const
TREE_OPERATION_REORDER_CHILDREN = 3;\n \texport const
TREE_OPERATION_UPDATE_TREE_BASE_DURATION = 4;\n \texport const
TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS = 5;\n \texport const
TREE_OPERATION_REMOVE_ROOT = 6;\n \texport const TREE_OPERATION_SET_SUBTREE_MODE =
7;\n \texport const PROFILING_FLAG_BASIC_SUPPORT = 0b01;\n \texport const
PROFILING_FLAG_TIMELINE_SUPPORT = 0b10;\n \texport const
LOCAL_STORAGE_DEFAULT_TAB_KEY = 'React::DevTools::defaultTab';\n \texport const
LOCAL_STORAGE_COMPONENT_FILTER_PREFERENCES_KEY =\n
'React::DevTools::componentFilters';\n \texport const SESSION_STORAGE_LAST_SELECTION_KEY =\n
'React::DevTools::lastSelection';\n \texport const LOCAL_STORAGE_OPEN_IN_EDITOR_URL =\n
'React::DevTools::openInEditorUrl';\n \texport const LOCAL_STORAGE_PARSE_HOOK_NAMES_KEY =\n
'React::DevTools::parseHookNames';\n \texport const
SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY =\n
'React::DevTools::recordChangeDescriptions';\n \texport const
SESSION_STORAGE_RELOAD_AND_PROFILE_KEY =\n
'React::DevTools::reloadAndProfile';\n \texport
const LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS =\n
'React::DevTools::breakOnConsoleErrors';\n \texport const LOCAL_STORAGE_BROWSER_THEME =
'React::DevTools::theme';\n \texport const
LOCAL_STORAGE_SHOULD_APPEND_COMPONENT_STACK_KEY =\n
'React::DevTools::appendComponentStack';\n \texport const
LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY =\n
'React::DevTools::showInlineWarningsAndErrors';\n \texport const
LOCAL_STORAGE_TRACE_UPDATES_ENABLED_KEY =\n
'React::DevTools::traceUpdatesEnabled';\n \texport const

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LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE =\n
'React::DevTools::hideConsoleLogsInStrictMode';\n\nexport const PROFILER_EXPORT_VERSION =
5;\n", "/*\n\tMIT License http://www.opensource.org/licenses/mit-license.php\n\tAuthor Tobias Koppers
@sokra\n*/\n// css base code, injected by the css-loader\nmodule.exports = function(useSourceMap) {\n\tvar list =
[];\n\t// return the list of modules as css string\n\tlist.toString = function toString() {\n\t\treturn this.map(function
(item) {\n\t\t\tvar content = cssWithMappingToString(item, useSourceMap);\n\t\t\tif (item[2]) {\n\t\t\t\treturn
"@media " + item[2] + "{" + content + "}";\n\t\t\t} else {\n\t\t\t\treturn
content;\n\t\t\t}\n\t\t}).join("");\n\t};\n\t// import a list of modules into the list\n\tlist.i = function(modules,
mediaQuery) {\n\t\tif (typeof modules === "string")\n\t\t\tmodules = [[null, modules, ""]];\n\t\tvar
alreadyImportedModules = {};\n\t\tfor (var i = 0; i < this.length; i++) {\n\t\t\tvar id = this[i][0];\n\t\t\tif (typeof id ===
"number")\n\t\t\t\talreadyImportedModules[id] = true;\n\t\t\tfor (i = 0; i < modules.length; i++) {\n\t\t\t\tvar item
= modules[i];\n\t\t\t\t// skip already imported module\n\t\t\t\t// this implementation is not 100% perfect for weird media
query combinations\n\t\t\t\t// when a module is imported multiple times with different media queries.\n\t\t\t\t// I hope
this will never occur (Hey this way we have smaller bundles)\n\t\t\t\tif (typeof item[0] !== "number" ||
!alreadyImportedModules[item[0]]) {\n\t\t\t\t\tif (mediaQuery && !item[2]) {\n\t\t\t\t\t\titem[2] = mediaQuery;\n\t\t\t\t}
else if (mediaQuery) {\n\t\t\t\t\titem[2] = "(" + item[2] + ") and (" + mediaQuery +
")";\n\t\t\t\t}\n\t\t\t\tlist.push(item);\n\t\t\t}\n\t\t}\n\t\treturn list;\n\t};\n\tfunction
cssWithMappingToString(item, useSourceMap) {\n\t\tvar content = item[1] || ";\n\t\tvar cssMapping = item[3];\n\t\tif
(!cssMapping) {\n\t\t\treturn content;\n\t\t}\n\t\tif (useSourceMap && typeof btoa === 'function') {\n\t\t\tvar
sourceMapping = toComment(cssMapping);\n\t\t\tvar sourceURLs = cssMapping.sources.map(function (source)
{\n\t\t\t\treturn '/*# sourceURL=' + cssMapping.sourceRoot + source + '*/\n\t\t\t});\n\t\t\treturn
[content].concat(sourceURLs).concat([sourceMapping]).join("\n");\n\t\t}\n\t\treturn [content].join("\n");\n\t}\n\t//
Adapted from convert-source-map (MIT)\n\tfunction toComment(sourceMap) {\n\t\t// eslint-disable-next-line no-
undef\n\t\tvar base64 = btoa(unescape(encodeURIComponent(JSON.stringify(sourceMap))));\n\t\tvar data =
'sourceMappingURL=data:application/json;charset=utf-8;base64,' + base64;\n\t\treturn '/*# ' + data + '
*/;\n\t}\n\t", "/*\n\tMIT License http://www.opensource.org/licenses/mit-license.php\n\tAuthor Tobias Koppers
@sokra\n*/\n\nvar stylesInDom = {};\n\nvar memoize = function (fn) {\n\tvar memo;\n\treturn function ()
{\n\t\tif (typeof memo === "undefined")\n\t\t\tmemo = fn.apply(this, arguments);\n\t\treturn memo;\n\t};\n\t};\n\nvar
isOldIE = memoize(function () {\n\t// Test for IE <= 9 as proposed by Browserhacks\n\t// @see
http://browserhacks.com/#hack-e71d8692f65334173fee715c222cb805\n\t// Tests for existence of standard globals is
to allow style-loader\n\t// to operate correctly into non-standard environments\n\t// @see
https://github.com/webpack-contrib/style-loader/issues/177\n\treturn window && document && document.all &&
!window.atob;\n\t});\n\nvar getTarget = function (target, parent) {\n\tif (parent){\n\t\treturn
parent.querySelector(target);\n\t}\n\treturn document.querySelector(target);\n\t};\n\nvar getElement = (function (fn)
{\n\tvar memo = {};\n\treturn function(target, parent) {\n\t\t// If passing function in options, then use it for
resolve "head" element.\n\t\t// Useful for Shadow Root style i.e.\n\t\t// {\n\t\t\t// insertInto:\n\t\t\tfunction () { return document.querySelector("#foo").shadowRoot }\n\t\t\t// }\n\t\t\tif (typeof target ===
'function') {\n\t\t\t\treturn target();\n\t\t\t}\n\t\t\tif (typeof memo[target] === "undefined")\n\t\t\t\t{\n\t\t\t\t\tvar styleTarget = getTarget.call(this, target, parent);\n\t\t\t\t\t// Special case to return head of iframe instead of
iframe itself\n\t\t\t\t\tif (window.HTMLIFrameElement && styleTarget instanceof window.HTMLIFrameElement)
{\n\t\t\t\t\t\ttry {\n\t\t\t\t\t\t\t// This will throw an exception if access to iframe is blocked\n\t\t\t\t\t\t\t// due to cross-origin
restrictions\n\t\t\t\t\t\t\tstyleTarget = styleTarget.contentDocument.head;\n\t\t\t\t\t\t} catch(e) {\n\t\t\t\t\t\t\tstyleTarget =
null;\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t\tmemo[target] = styleTarget;\n\t\t\t\t}\n\t\t\t}\n\t\t\treturn memo[target];\n\t\t};\n\t}\n\t)(\n\t);\n\nvar singleton =
null;\n\nvar singletonCounter = 0;\n\nvar stylesInsertedAtTop = [];\n\nvar tfixUrls =
require("./urls");\n\nmodule.exports = function(list, options) {\n\tif (typeof DEBUG !== "undefined" &&
DEBUG) {\n\t\tif (typeof document !== "object")\n\t\t\tthrow new Error("The style-loader cannot be used in a non-
browser environment");\n\t}\n\t\n\tvar options = options || {};\n\t\n\tvar options.attrs = typeof options.attrs === "object" ?
options.attrs : {};\n\t\n\t// Force single-tag solution on IE6-9, which has a hard limit on the # of <style>\n\t// tags it

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will allow on a page\n\tif (!options.singleton && typeof options.singleton !== "boolean") options.singleton =
isOldIE();\n\n\t// By default, add <style> tags to the <head> element\n\tif (!options.insertInto) options.insertInto
= "head";\n\n\t// By default, add <style> tags to the bottom of the target\n\tif (!options.insertAt) options.insertAt =
"bottom";\n\n\tvar styles = listToStyles(list, options);\n\n\taddStylesToDom(styles, options);\n\n\treturn function
update (newList) {\n\t\tvar mayRemove = [];\n\t\tfor (var i = 0; i < styles.length; i++) {\n\t\t\tvar item =
styles[i];\n\t\t\tvar domStyle = stylesInDom[item.id];\n\t\t\tif (domStyle) {\n\t\t\t\tif (!mayRemove) {\n\t\t\t\t\tmayRemove.push(domStyle);\n\t\t\t\t}\n\t\t\t\tif (newList) {\n\t\t\t\t\tvar newStyles = listToStyles(newList,
options);\n\t\t\t\t\taddStylesToDom(newStyles, options);\n\t\t\t\t\tfor (var i = 0; i < mayRemove.length; i++) {\n\t\t\t\t\t\tvar domStyle = mayRemove[i];\n\t\t\t\t\t\tif (domStyle.refs === 0) {\n\t\t\t\t\t\t\tfor (var j = 0; j <
domStyle.parts.length; j++) domStyle.parts[j]();\n\t\t\t\t\t\tdelete
stylesInDom[domStyle.id];\n\t\t\t\t\t}\n\t\t\t\t}\n\t\t\t}\n\n\t\tfunction addStylesToDom (styles, options) {\n\t\t\tfor (var i = 0; i
< styles.length; i++) {\n\t\t\t\tvar item = styles[i];\n\t\t\t\tvar domStyle = stylesInDom[item.id];\n\t\t\t\tif (domStyle) {\n\t\t\t\t\tif (domStyle.refs++;\n\t\t\t\t\tfor (var j = 0; j < domStyle.parts.length; j++) {\n\t\t\t\t\t\tvar domStyle.parts[j](item.parts[j]);\n\t\t\t\t\t\tif (j < item.parts.length; j++) {\n\t\t\t\t\t\t\tvar domStyle.parts.push(addStyle(item.parts[j], options));\n\t\t\t\t\t\t}\n\t\t\t\t\t\telse {\n\t\t\t\t\t\t\tvar parts =
[];\n\t\t\t\t\t\t\tfor (var j = 0; j < item.parts.length; j++) {\n\t\t\t\t\t\t\t\tvar parts.push(addStyle(item.parts[j],
options));\n\t\t\t\t\t\t\t}\n\t\t\t\t\t\t\tstylesInDom[item.id] = {id: item.id, refs: 1, parts: parts};\n\t\t\t\t\t\t}\n\t\t\t\t}\n\n\t\t\tfunction
listToStyles (list, options) {\n\t\t\t\tvar styles = [];\n\t\t\t\tvar newStyles = {};\n\t\t\t\tfor (var i = 0; i < list.length; i++) {\n\t\t\t\t\tvar item = list[i];\n\t\t\t\t\tvar id = options.base ? item[0] + options.base : item[0];\n\t\t\t\t\tvar css = item[1];\n\t\t\t\t\tvar media =
item[2];\n\t\t\t\t\tvar sourceMap = item[3];\n\t\t\t\t\tvar part = {css: css, media: media, sourceMap:
sourceMap};\n\t\t\t\t\tif (!newStyles[id]) styles.push(newStyles[id] = {id: id, parts: [part]});\n\t\t\t\t\telse {\n\t\t\t\t\t\tnewStyles[id].parts.push(part);\n\t\t\t\t\t}\n\t\t\t\t}\n\n\t\t\tfunction insertStyleElement (options, style) {\n\t\t\t\tvar
target = getElement(options.insertInto)\n\t\t\t\tif (!target) {\n\t\t\t\t\tthrow new Error("Couldn't find a style target. This
probably means that the value for the 'insertInto' parameter is invalid.");\n\t\t\t\t}\n\n\t\t\t\tvar
lastStyleElementInsertedAtTop = stylesInsertedAtTop[stylesInsertedAtTop.length - 1];\n\t\t\t\tif (options.insertAt ===
"top") {\n\t\t\t\t\tif (!lastStyleElementInsertedAtTop) {\n\t\t\t\t\t\ttarget.insertBefore(style, target.firstChild);\n\t\t\t\t\t}\n\t\t\t\t\telse if
(lastStyleElementInsertedAtTop.nextSibling) {\n\t\t\t\t\t\ttarget.insertBefore(style,
lastStyleElementInsertedAtTop.nextSibling);\n\t\t\t\t\t}\n\t\t\t\t\telse {\n\t\t\t\t\t\ttarget.appendChild(style);\n\t\t\t\t\t}\n\t\t\t\t\tif (stylesInsertedAtTop.push(style);\n\t\t\t\t}\n\t\t\t\telse if (options.insertAt ===
"bottom") {\n\t\t\t\t\ttarget.appendChild(style);\n\t\t\t\t}\n\t\t\t\telse if (typeof options.insertAt === "object" &&
options.insertAt.before) {\n\t\t\t\t\tvar nextSibling = getElement(options.insertAt.before,
target);\n\t\t\t\t\ttarget.insertBefore(style, nextSibling);\n\t\t\t\t}\n\t\t\t\telse {\n\t\t\t\t\tthrow new Error("[Style Loader]\n\n Invalid
value for parameter 'insertAt' ('options.insertAt') found.\n\n Must be 'top', 'bottom', or Object.\n\n
(https://github.com/webpack-contrib/style-loader#insertat)\n\n");\n\t\t\t\t}\n\n\t\t\t\tfunction removeStyleElement (style) {\n\t\t\t\t\tif (style.parentNode === null) return false;\n\t\t\t\t\tstyle.parentNode.removeChild(style);\n\t\t\t\t\tvar idx =
stylesInsertedAtTop.indexOf(style);\n\t\t\t\t\tif (idx >= 0) {\n\t\t\t\t\t\tstylesInsertedAtTop.splice(idx, 1);\n\t\t\t\t\t}\n\t\t\t\t}\n\n\t\t\t\tfunction
createStyleElement (options) {\n\t\t\t\t\tvar style = document.createElement("style");\n\t\t\t\t\tif (options.attrs.type ===
undefined) {\n\t\t\t\t\t\toptions.attrs.type = "text/css";\n\t\t\t\t\t}\n\t\t\t\t\tif (options.attrs.nonce === undefined) {\n\t\t\t\t\t\tvar nonce =
getNonce();\n\t\t\t\t\t\tif (nonce) {\n\t\t\t\t\t\t\toptions.attrs.nonce = nonce;\n\t\t\t\t\t\t}\n\t\t\t\t\t}\n\t\t\t\t\taddAttrs(style,
options.attrs);\n\t\t\t\t\tinsertStyleElement(options, style);\n\t\t\t\t\treturn style;\n\t\t\t\t}\n\n\t\t\t\tfunction createLinkElement (options) {\n\t\t\t\t\tvar
link = document.createElement("link");\n\t\t\t\t\tif (options.attrs.type === undefined) {\n\t\t\t\t\t\toptions.attrs.type =
"text/css";\n\t\t\t\t\t}\n\t\t\t\t\tif (options.attrs.rel === "stylesheet") {\n\t\t\t\t\t\taddAttrs(link, options.attrs);\n\t\t\t\t\t\tinsertStyleElement(options,
link);\n\t\t\t\t\t}\n\t\t\t\t\treturn link;\n\t\t\t\t}\n\n\t\t\t\tfunction addAttrs (el, attrs) {\n\t\t\t\t\tObject.keys(attrs).forEach(function (key) {\n\t\t\t\t\t\tel.setAttribute(key,
attrs[key]);\n\t\t\t\t\t});\n\t\t\t\t}\n\n\t\t\t\tfunction getNonce() {\n\t\t\t\t\tif (typeof __webpack_nonce__ ===
'undefined') {\n\t\t\t\t\t\treturn null;\n\t\t\t\t\t}\n\t\t\t\t\treturn __webpack_nonce__;\n\t\t\t\t}\n\n\t\t\t\tfunction addStyle (obj, options) {\n\t\t\t\t\tvar
style, update, remove, result;\n\t\t\t\t\t// If a transform function was defined, run it on the css\n\t\t\t\t\tif (options.transform && obj.css) {\n\t\t\t\t\t\tresult =
typeof options.transform === 'function' ? options.transform(obj.css) :\n\t\t\t\t\t\toptions.transform.default(obj.css);\n\t\t\t\t\t\tif (result) {\n\t\t\t\t\t\t\t// If transform returns a value, use that instead of the

```



```

require("../node_modules/style-loader/lib/addStyles.js")(content, options);
module.exports = content.locals;
module.hot.accept("../node_modules/css-loader/index.js?ref--6-1!/SettingsShared.css", function() {
  newContent = require("../node_modules/css-loader/index.js?ref--6-1!/SettingsShared.css");
  if(typeof newContent === 'string') newContent = [[module.id, newContent, "]];
  locals = (function(a, b) {
    for(key in a) {
      if(!b[key] || a[key] !== b[key]) return false;
    }
    for(key in b) {
      if(!a[key] || b[key] !== a[key]) return false;
    }
    return true;
  })(content.locals, newContent.locals);
  if(!locals) throw new Error('Aborting CSS HMR due to changed css-modules locals.');
  update(newContent);
  module.hot.dispose(function() { update(); });
}, "content = require("../node_modules/css-loader/index.js?ref--6-1!/shared.css");
if(typeof content === 'string') content = [[module.id, content, "]];
transform;
insertInto;
options = {"hmr":true};
options.transform = transform;
options.insertInto = undefined;
update = require("../node_modules/style-loader/lib/addStyles.js")(content, options);
module.exports = content.locals;
module.hot.accept("../node_modules/css-loader/index.js?ref--6-1!/shared.css", function() {
  newContent = require("../node_modules/css-loader/index.js?ref--6-1!/shared.css");
  if(typeof newContent === 'string') newContent = [[module.id, newContent, "]];
  locals = (function(a, b) {
    for(key in a) {
      if(!b[key] || a[key] !== b[key]) return false;
    }
    for(key in b) {
      if(!a[key] || b[key] !== a[key]) return false;
    }
    return true;
  })(content.locals, newContent.locals);
  if(!locals) throw new Error('Aborting CSS HMR due to changed css-modules locals.');
  update(newContent);
  module.hot.dispose(function() { update(); });
}, "content = require("../node_modules/css-loader/index.js?ref--6-1!/Profiler.css");
if(typeof content === 'string') content = [[module.id, content, "]];
transform;
insertInto;
options = {"hmr":true};
options.transform = transform;
options.insertInto = undefined;
update = require("../node_modules/style-loader/lib/addStyles.js")(content, options);
module.exports = content.locals;
module.hot.accept("../node_modules/css-loader/index.js?ref--6-1!/Profiler.css", function() {
  newContent = require("../node_modules/css-loader/index.js?ref--6-1!/Profiler.css");
  if(typeof newContent === 'string') newContent = [[module.id, newContent, "]];
  locals = (function(a, b) {
    for(key in a) {
      if(!b[key] || a[key] !== b[key]) return false;
    }
    for(key in b) {
      if(!a[key] || b[key] !== a[key]) return false;
    }
    return true;
  })(content.locals, newContent.locals);
  if(!locals) throw new Error('Aborting CSS HMR due to changed css-modules locals.');
  update(newContent);
  module.hot.dispose(function() { update(); });
}, "content = require("../node_modules/css-loader/index.js?ref--6-1!/InspectedElementSharedStyles.css");
if(typeof content === 'string') content = [[module.id, content, "]];
transform;
insertInto;
options = {"hmr":true};
options.transform = transform;
options.insertInto = undefined;
update = require("../node_modules/style-loader/lib/addStyles.js")(content, options);
module.exports = content.locals;
module.hot.accept("../node_modules/css-loader/index.js?ref--6-1!/InspectedElementSharedStyles.css", function() {
  newContent = require("../node_modules/css-loader/index.js?ref--6-1!/InspectedElementSharedStyles.css");
  if(typeof newContent === 'string') newContent = [[module.id, newContent, "]];
  locals = (function(a, b) {
    for(key in a) {
      if(!b[key] || a[key] !== b[key]) return false;
    }
    for(key in b) {
      if(!a[key] || b[key] !== a[key]) return false;
    }
    return true;
  })(content.locals, newContent.locals);
  if(!locals) throw new Error('Aborting CSS HMR due to changed css-modules locals.');
  update(newContent);
  module.hot.dispose(function() { update(); });
}, "content = require("../node_modules/css-loader/index.js?ref--6-1!/SidebarCommitInfo.css");
if(typeof content === 'string') content = [[module.id, content, "]];

```



```

transform;\nvar insertInto;\n\n\nvar options = {\n  hmr: true\n}\n\noptions.transform = transform\n\noptions.insertInto = undefined;\n\nvar update = require("!../../../../../node_modules/style-loader/lib/addStyles.js")(content, options);\n\nif(content.locals) module.exports = content.locals;\n\nif(module.hot) {\n  module.hot.accept("!../../../../../node_modules/css-loader/index.js??ref--6-1!/SidebarCommitInfo.css", function() {\n    var newContent = require("!../../../../../node_modules/css-loader/index.js??ref--6-1!/SidebarCommitInfo.css");\n    if(typeof newContent === 'string') newContent = [[module.id, newContent, "]];\n    var locals = (function(a, b) {\n      for(key in a) {\n        if(!a[key] !== b[key]) return false;\n      }\n      for(key in b) {\n        if(!b[key] !== a[key]) return false;\n      }\n      return true;\n    })(content.locals, newContent.locals);\n    if(!locals) throw new Error('Aborting CSS HMR due to changed css-modules locals.');

```

```

reject(new Error("Unable to paste. Pasting only works in Internet Explorer at the moment.));\n    }\n    }
catch (e) {\n    _intercept = false;\n    reject(new Error(e));\n    }\n    });\n    });\n    });\n    });\n    // Handle IE
behaviour.\n    if (typeof ClipboardEvent === "undefined" &&\n    typeof window.clipboardData !== "undefined")
&&\n    typeof window.clipboardData.setData !== "undefined") {\n\n    /*! promise-polyfill 2.0.1 */\n
(function(a){function b(a,b){return function(){a.apply(b,arguments)}}function c(a){if("object"!==typeof this)throw
new TypeError("Promises must be constructed via new");if("function"!==typeof a)throw new TypeError("not a
function");this._state=null,this._value=null,this._deferreds=[],i(a,b(e,this),b(f,this))}function d(a){var b=this;return
null===this._state?void this._deferreds.push(a):void j(function(){var
c=b._state?a.onFulfilled:a.onRejected;if(null===c)return void(b._state?a.resolve:a.reject)(b._value);var
d;try{d=c(b._value)}catch(e){return void a.reject(e)}a.resolve(d)}}function e(a){try{if(a===this)throw new
TypeError("A promise cannot be resolved with itself.");if(a&&("object"===typeof a||"function"===typeof a)){var
c=a.then;if("function"===typeof c)return void
i(b(c,a),b(e,this),b(f,this))}this._state=!0,this._value=a,g.call(this)}catch(d){f.call(this,d)}}function
f(a){this._state=!1,this._value=a,g.call(this)}function g(){for(var
a=0,b=this._deferreds.length;b>a;a++)d.call(this,this._deferreds[a]);this._deferreds=null}function
h(a,b,c,d){this.onFulfilled="function"===typeof a?a:null,this.onRejected="function"===typeof
b?b:null,this.resolve=c,this.reject=d}function i(a,b,c){var
d=!1;try{a(function(a){d||(d=!0,b(a))},function(a){d||(d=!0,c(a))})}catch(e){if(d)return;d=!0,c(e)} }var
j=c.immediateFn||"function"===typeof
setImmediate&&setImmediate||function(a){setTimeout(a,1)},k=Array.isArray||function(a){return"[object
Array]"===Object.prototype.toString.call(a)};c.prototype["catch"]=function(a){return
this.then(null,a)},c.prototype.then=function(a,b){var e=this;return new c(function(c,f){d.call(e,new
h(a,b,c,f))}),c.all=function(){var
a=Array.prototype.slice.call(1===arguments.length&&k(arguments[0])?arguments[0]:arguments);return new
c(function(b,c){function d(f,g){try{if(g&&("object"===typeof g||"function"===typeof g)){var
h=g.then;if("function"===typeof h)return void h.call(g,function(a){d(f,a)},c)}a[f]=g,0===--
e&&b(a)}catch(i){c(i)}if(0===a.length)return b([]);for(var
e=a.length,f=0;f<a.length;f++)d(f,a[f])}),c.resolve=function(a){return a&&"object"===typeof
a&&a.constructor===c?a:new c(function(b){b(a)}),c.reject=function(a){return new
c(function(b,c){c(a)}),c.race=function(a){return new c(function(b,c){for(var
d=0,e=a.length;e>d;d++)a[d].then(b,c)}),"undefined"!==typeof
module&&module.exports?module.exports=c:a.Promise||(a.Promise=c)})(this);\n\n    clipboard.copy =
function(data) {\n    return new Promise(function(resolve, reject) {\n    // IE supports string and URL types:
https://msdn.microsoft.com/en-us/library/ms536744(v=vs.85).aspx\n    // We only support the string type for
now.\n    if (typeof data !== "string" && !(("text/plain" in data)) {\n    throw new Error("You must provide
a text/plain type.");\n    }\n    }\n    var strData = (typeof data === "string" ? data : data["text/plain"]);
var
copySucceeded = window.clipboardData.setData("Text", strData);\n    if (copySucceeded) {\n    resolve();\n
    } else {\n    reject(new Error("Copying was rejected."));\n    }\n    });\n    }\n    clipboard.paste =
function() {\n    return new Promise(function(resolve, reject) {\n    var strData =
window.clipboardData.getData("Text");\n    if (strData) {\n    resolve(strData);\n    } else {\n    // The
user rejected the paste request.\n    reject(new Error("Pasting was rejected."));\n    }\n    });\n    }\n    }\n    return clipboard;\n    });\n    },\n    "nvar content = require("!!../../../../../node_modules/css-loader/index.js??ref--6-
1!./KeyValue.css");\n    nif(typeof content === 'string') content = [[module.id, content, "]];\n    nvar transform;\n    nvar
insertInto;\n    n\n    nvar options = {"hmr":true}\n    noptions.transform = transform\n    noptions.insertInto =
undefined;\n    nvar update = require("!!../../../../../node_modules/style-loader/lib/addStyles.js")(content,
options);\n    nif(content.locals) module.exports = content.locals;\n    nif(module.hot)
{\n    tmodule.hot.accept("!!../../../../../node_modules/css-loader/index.js??ref--6-1!./KeyValue.css", function()
{\n    t\tvar newContent = require("!!../../../../../node_modules/css-loader/index.js??ref--6-

```



```

logFunctions = logFunctions.filter(log => log !== logFunction);
};
}
return () => {};
}
:
function registerEventLogger(logFunction: LogFunction) {
return () => {};
};
"n", "nvar content =
require("!!.../node_modules/css-loader/index.js??ref--6-1!/SnapshotCommitList.css");
nif(typeof
content === 'string') content = [[module.id, content, "]];
nvar transform;
nvar insertInto;
nvar options =
{"hmr":true}
noptions.transform = transform
noptions.insertInto = undefined;
nvar update =
require("!!.../node_modules/style-loader/lib/addStyles.js")(content, options);
nif(content.locals)
module.exports = content.locals;
nif(module.hot) {
module.hot.accept("!!.../node_modules/css-
loader/index.js??ref--6-1!/SnapshotCommitList.css", function() {
nvar newContent =
require("!!.../node_modules/css-loader/index.js??ref--6-1!/SnapshotCommitList.css");
nif(typeof
newContent === 'string') newContent = [[module.id, newContent, "]];
nvar locals = (function(a, b) {
nvar key, idx = 0;
nfor(key in a) {
nif(!b || a[key] !== b[key]) return
false;
nidx++;
}
nfor(key in b) id--;
nreturn id === 0;
}(content.locals,
newContent.locals));
nif(!locals) throw new Error('Aborting CSS HMR due to changed css-modules
locals.');
nupdate(newContent);
n};
nmodule.hot.dispose(function() { update(); });
"n", "nvar content =
require("!!.../node_modules/css-loader/index.js??ref--6-1!/Element.css");
nif(typeof content ===
'string') content = [[module.id, content, "]];
nvar transform;
nvar insertInto;
nvar options =
{"hmr":true}
noptions.transform = transform
noptions.insertInto = undefined;
nvar update =
require("!!.../node_modules/style-loader/lib/addStyles.js")(content, options);
nif(content.locals)
module.exports = content.locals;
nif(module.hot) {
module.hot.accept("!!.../node_modules/css-
loader/index.js??ref--6-1!/Element.css", function() {
nvar newContent =
require("!!.../node_modules/css-loader/index.js??ref--6-1!/Element.css");
nif(typeof newContent
=== 'string') newContent = [[module.id, newContent, "]];
nvar locals = (function(a, b) {
nvar key, idx =
0;
nfor(key in a) {
nif(!b || a[key] !== b[key]) return false;
nidx++;
}
nfor(key in b) id--;
nreturn id === 0;
}(content.locals, newContent.locals));
nif(!locals) throw new Error('Aborting
CSS HMR due to changed css-modules
locals.');
nupdate(newContent);
n};
nmodule.hot.dispose(function() { update(); });
"n", "nvar content =
require("!!.../node_modules/css-loader/index.js??ref--6-1!/InspectedElement.css");
nif(typeof content
=== 'string') content = [[module.id, content, "]];
nvar transform;
nvar insertInto;
nvar options =
{"hmr":true}
noptions.transform = transform
noptions.insertInto = undefined;
nvar update =
require("!!.../node_modules/style-loader/lib/addStyles.js")(content, options);
nif(content.locals)
module.exports = content.locals;
nif(module.hot) {
module.hot.accept("!!.../node_modules/css-
loader/index.js??ref--6-1!/InspectedElement.css", function() {
nvar newContent =
require("!!.../node_modules/css-loader/index.js??ref--6-1!/InspectedElement.css");
nif(typeof
newContent === 'string') newContent = [[module.id, newContent, "]];
nvar locals = (function(a, b) {
nvar key, idx = 0;
nfor(key in a) {
nif(!b || a[key] !== b[key]) return
false;
nidx++;
}
nfor(key in b) id--;
nreturn id === 0;
}(content.locals,
newContent.locals));
nif(!locals) throw new Error('Aborting CSS HMR due to changed css-modules
locals.');
nupdate(newContent);
n};
nmodule.hot.dispose(function() { update(); });
"n", "nvar content =
require("!!.../node_modules/css-loader/index.js??ref--6-1!/InspectedElementView.css");
nif(typeof
content === 'string') content = [[module.id, content, "]];
nvar transform;
nvar insertInto;
nvar options =
{"hmr":true}
noptions.transform = transform
noptions.insertInto = undefined;
nvar update =
require("!!.../node_modules/style-loader/lib/addStyles.js")(content, options);
nif(content.locals)
module.exports = content.locals;
nif(module.hot) {
module.hot.accept("!!.../node_modules/css-
loader/index.js??ref--6-1!/InspectedElementView.css", function() {
nvar newContent =
require("!!.../node_modules/css-loader/index.js??ref--6-1!/InspectedElementView.css");
nif(typeof
newContent === 'string') newContent = [[module.id, newContent, "]];
nvar locals = (function(a, b) {
nvar key, idx = 0;
nfor(key in a) {
nif(!b || a[key] !== b[key]) return
false;
nidx++;
}
nfor(key in b) id--;
nreturn id === 0;
}(content.locals,

```



```

focusableCandidateSelector = candidateSelectors.concat('iframe').join(',');\nfunction isFocusable(node) {\n if
(!node) throw new Error('No node provided');\n if (matches.call(node, focusableCandidateSelector) === false)
return false;\n return isNodeMatchingSelectorFocusable(node);\n}\n\nfunction getTabIndex(node) {\n var
tabindexAttr = parseInt(node.getAttribute('tabindex'), 10);\n if (!isNaN(tabindexAttr)) return tabindexAttr;\n //
Browsers do not return `tabIndex` correctly for contentEditable nodes;\n // so if they don't have a tabindex attribute
specifically set, assume it's 0.\n if (isContentEditable(node)) return 0;\n return node.tabIndex;\n}\n\nfunction
sortOrderedTabbables(a, b) {\n return a.tabIndex === b.tabIndex ? a.documentOrder - b.documentOrder :
a.tabIndex - b.tabIndex;\n}\n\nfunction isContentEditable(node) {\n return node.contentEditable ===
'true';\n}\n\nfunction isInput(node) {\n return node.tagName === 'INPUT';\n}\n\nfunction isHiddenInput(node) {\n
return isInput(node) && node.type === 'hidden';\n}\n\nfunction isRadio(node) {\n return isInput(node) &&
node.type === 'radio';\n}\n\nfunction isNonTabbableRadio(node) {\n return isRadio(node) &&
!isTabbableRadio(node);\n}\n\nfunction getCheckedRadio(nodes) {\n for (var i = 0; i < nodes.length; i++) {\n if
(nodes[i].checked) {\n return nodes[i];\n }\n }\n}\n\nfunction isTabbableRadio(node) {\n if (!node.name)
return true;\n // This won't account for the edge case where you have radio groups with the same\n // in separate
forms on the same page.\n var radioSet = node.ownerDocument.querySelectorAll('input[type="radio"])[name="\" +
node.name + "\"]);\n var checked = getCheckedRadio(radioSet);\n return !checked || checked ===
node;\n}\n\nfunction isHidden(node) {\n // offsetParent being null will allow detecting cases where an element is
invisible or inside an invisible element,\n // as long as the element does not use position: fixed. For them, their
visibility has to be checked directly as well.\n return node.offsetParent === null ||
getComputedStyle(node).visibility === 'hidden';\n}\n\nmodule.exports = tabbable;\n", "\nvar content =
require(\"!!.../.../.../node_modules/css-loader/index.js??ref--6-1!/SearchInput.css\");\n\nif(typeof content ===
'string') content = [[module.id, content, "]];\n\nvar transform;\nvar insertInto;\n\n\nvar options =
{ \"hmr\": true }\n\noptions.transform = transform\noptions.insertInto = undefined;\n\nvar update =
require(\"!!.../.../.../node_modules/style-loader/lib/addStyles.js\")(content, options);\n\nif(content.locals)
module.exports = content.locals;\n\nif(module.hot) {\n\tmodule.hot.accept(\"!!.../.../.../node_modules/css-
loader/index.js??ref--6-1!/SearchInput.css\", function() {\n\t\tvar newContent =
require(\"!!.../.../.../node_modules/css-loader/index.js??ref--6-1!/SearchInput.css\");\n\t\t\tif(typeof newContent
=== 'string') newContent = [[module.id, newContent, "]];\n\t\t\tvar locals = (function(a, b) {\n\t\t\t\tvar key, idx =
0;\n\t\t\t\t\tfor(key in a) {\n\t\t\t\t\t\tif(!b || a[key] !== b[key]) return false;\n\t\t\t\t\t\t\tidx++;\n\t\t\t\t\t}\n\t\t\t\t\tfor(key in b) idx-
-;\n\t\t\t\t\treturn idx === 0;\n\t\t\t\t}(content.locals, newContent.locals));\n\t\t\t\tif(!locals) throw new Error('Aborting
CSS HMR due to changed css-modules
locals.);\n\t\t\t\t\tupdate(newContent);\n\t\t\t});\n\t\t\tmodule.hot.dispose(function() { update(); });\n\t\t}\n", "\nvar content =
require(\"!!.../.../.../node_modules/css-loader/index.js??ref--6-
1!/InspectedElementErrorsAndWarningsTree.css\");\n\nif(typeof content === 'string') content = [[module.id,
content, "]];\n\nvar transform;\nvar insertInto;\n\n\nvar options = { \"hmr\": true }\n\noptions.transform =
transform\noptions.insertInto = undefined;\n\nvar update = require(\"!!.../.../.../node_modules/style-
loader/lib/addStyles.js\")(content, options);\n\nif(content.locals) module.exports = content.locals;\n\nif(module.hot)
{\n\tmodule.hot.accept(\"!!.../.../.../node_modules/css-loader/index.js??ref--6-
1!/InspectedElementErrorsAndWarningsTree.css\", function() {\n\t\tvar newContent =
require(\"!!.../.../.../node_modules/css-loader/index.js??ref--6-
1!/InspectedElementErrorsAndWarningsTree.css\");\n\t\t\tif(typeof newContent === 'string') newContent =
[[module.id, newContent, "]];\n\t\t\t\tvar locals = (function(a, b) {\n\t\t\t\t\tvar key, idx = 0;\n\t\t\t\t\t\tfor(key in a)
{\n\t\t\t\t\t\t\tif(!b || a[key] !== b[key]) return false;\n\t\t\t\t\t\t\t\tidx++;\n\t\t\t\t\t\t}\n\t\t\t\t\t\tfor(key in b) idx-
-;\n\t\t\t\t\t\treturn idx
=== 0;\n\t\t\t\t\t}(content.locals, newContent.locals));\n\t\t\t\t\tif(!locals) throw new Error('Aborting CSS HMR due to
changed css-modules locals.);\n\t\t\t\t\t\tupdate(newContent);\n\t\t\t\t});\n\t\t\t\t\tmodule.hot.dispose(function() { update();
});\n\t\t\t}\n", "\nvar content = require(\"!!.../.../node_modules/css-loader/index.js??ref--6-
1!/TimelineNotSupported.css\");\n\nif(typeof content === 'string') content = [[module.id, content, "]];\n\nvar
transform;\nvar insertInto;\n\n\nvar options = { \"hmr\": true }\n\noptions.transform = transform\noptions.insertInto

```



```

= undefined;\n\nvar update = require("!../../node_modules/style-loader/lib/addStyles.js")(content,
options);\n\nif(content.locals) module.exports = content.locals;\n\nif(module.hot)
{\n\tmodule.hot.accept("!../../node_modules/css-loader/index.js??ref--6-1!/TimelineNotSupported.css",
function() {\n\t\tvar newContent = require("!../../node_modules/css-loader/index.js??ref--6-
1!/TimelineNotSupported.css");\n\t\tif(typeof newContent === 'string') newContent = [[module.id, newContent,
""]];\n\t\tvar locals = (function(a, b) {\n\t\t\tvar key, idx = 0;\n\t\t\tfor(key in a) {\n\t\t\t\tif(!b || a[key] !== b[key])
return false;\n\t\t\t\tidx++;\n\t\t\t}\n\t\t\tfor(key in b) idx--;\n\t\t\treturn idx === 0;\n\t\t})(content.locals,
newContent.locals));\n\t\tif(!locals) throw new Error('Aborting CSS HMR due to changed css-modules
locals.');

```

```

require("../node_modules/style-loader/lib/addStyles.js")(content, options);\n\nif(content.locals)
module.exports = content.locals;\n\nif(module.hot) {\n\tmodule.hot.accept("../node_modules/css-
loader/index.js??ref--6-1!/DevTools.css", function() {\n\t\tvar newContent =
require("../node_modules/css-loader/index.js??ref--6-1!/DevTools.css");\n\t\tif(typeof newContent ===
'string') newContent = [[module.id, newContent, "]];\n\t\tvar locals = (function(a, b) {\n\t\t\tvar key, idx =
0;\n\t\t\tfor(key in a) {\n\t\t\t\tif(!b || a[key] !== b[key]) return false;\n\t\t\t\tidx++;\n\t\t\t}\n\t\t\tfor(key in b) idx-
-;\n\t\t\treturn idx === 0;\n\t\t})(content.locals, newContent.locals);\n\t\tif(!locals) throw new Error('Aborting
CSS HMR due to changed css-modules
locals.');

```

```

done => {\n    loadHookNamesFunction(hooksTree, fetchFileWithCaching).then(\n        function
onSuccess(hookNames) {\n            if (didTimeout) {\n                return;\n            }\n            if (__DEBUG__) {\n                console.log('[hookNamesCache] onSuccess() hookNames:', hookNames);\n            }\n            if (hookNames)
{\n                const resolvedRecord = (\n                    ((newRecord: any): ResolvedRecord<HookNames>);\n                resolvedRecord.status = Resolved;\n                resolvedRecord.value = hookNames;\n            } else {\n                const
notFoundRecord = ((newRecord: any): RejectedRecord);\n                notFoundRecord.status = Rejected;\n                notFoundRecord.value = null;\n            }\n            status = 'success';\n            resolvedHookNames =
hookNames;\n            done();\n            wake();\n        },\n        function onError(error) {\n            if (didTimeout)
{\n                return;\n            }\n            if (__DEBUG__) {\n                console.log('[hookNamesCache]
onError()');\n            }\n            console.error(error);\n            const thrownRecord = ((newRecord: any):
RejectedRecord);\n            thrownRecord.status = Rejected;\n            thrownRecord.value = null;\n            status =
'error';\n            done();\n            wake();\n        },\n        );\n        // Eventually timeout and stop trying to load
names.\n        timeoutID = setTimeout(function onTimeout() {\n            if (__DEBUG__) {\n                console.log('[hookNamesCache] onTimeout()');\n            }\n            timeoutID = null;\n            didTimeout =
true;\n            const timedoutRecord = ((newRecord: any): RejectedRecord);\n            timedoutRecord.status =
Rejected;\n            timedoutRecord.value = null;\n            status = 'timeout';\n            done();\n            wake();\n        },
TIMEOUT);\n        },\n        handleLoadComplete,\n        );\n        map.set(element, record);\n    }\n    const response =
readRecord(record).value;\n    return response;\n}\n\nexport function getHookSourceLocationKey({\n    fileName,\n    lineNumber,\n    columnNumber,\n}: HookSource): HookSourceLocationKey {\n    if (fileName == null || lineNumber
== null || columnNumber == null) {\n        throw Error('Hook source code location not found.);\n    }\n    return
`${fileName}:${lineNumber}:${columnNumber}`;\n}\n\nexport function clearHookNamesCache(): void {\n    map
= new WeakMap();\n}\n\n,"module.exports = require('\path\");", "use strict";\nconst parseMilliseconds =
require('parse-ms');\n\nconst pluralize = (word, count) => count === 1 ? word : `${word}s`;\n\nconst
SECOND_ROUNDING_EPSILON = 0.0000001;\n\nmodule.exports = (milliseconds, options = {}) => {\n    if
(!Number.isFinite(milliseconds)) {\n        throw new TypeError('Expected a finite number');\n    }\n    if
(options.colonNotation) {\n        options.compact = false;\n        options.formatSubMilliseconds =
false;\n        options.separateMilliseconds = false;\n        options.verbose = false;\n    }\n    if (options.compact)
{\n        options.secondsDecimalDigits = 0;\n        options.millisecondsDecimalDigits = 0;\n    }\n    const result =
[];\n    const floorDecimals = (value, decimalDigits) => {\n        const flooredInterimValue = Math.floor((value * (10
** decimalDigits)) + SECOND_ROUNDING_EPSILON);\n        const flooredValue =
Math.round(flooredInterimValue) / (10 ** decimalDigits);\n        return
flooredValue.toFixed(decimalDigits);\n    };\n    const add = (value, long, short, valueString) => {\n        if
((result.length === 0 || !options.colonNotation) && value === 0 && !(options.colonNotation && short === 'm'))
{\n            return;\n        }\n        valueString = (valueString || value || '0').toString();\n        let prefix;\n        let suffix;\n        if
(options.colonNotation) {\n            prefix = result.length > 0 ? ':' : '';\n            suffix = '';\n            const wholeDigits =
valueString.includes('.') ? valueString.split('.')[0].length : valueString.length;\n            const minLength = result.length >
0 ? 2 : 1;\n            valueString = '0'.repeat(Math.max(0, minLength - wholeDigits)) + valueString;\n        } else
{\n            prefix = '';\n            suffix = options.verbose ? ' ' + pluralize(long, value) : short;\n        }\n        result.push(prefix +
valueString + suffix);\n    }\n    const parsed = parseMilliseconds(milliseconds);\n    add(Math.trunc(parsed.days /
365), 'year', 'y');\n    add(parsed.days % 365, 'day', 'd');\n    add(parsed.hours, 'hour', 'h');\n    add(parsed.minutes,
'minute', 'm');\n    if (!options.separateMilliseconds || !options.formatSubMilliseconds || milliseconds <
1000)\n    {\n        add(parsed.seconds, 'second', 's');\n        if (options.formatSubMilliseconds)
{\n            add(parsed.milliseconds, 'millisecond', 'ms');\n            add(parsed.microseconds, 'microsecond',
'us');\n            add(parsed.nanoseconds, 'nanosecond', 'ns');\n        }\n    } else {\n        const millisecondsAndBelow
=\n        parsed.milliseconds +\n        parsed.microseconds / 1000 +\n        parsed.nanoseconds /
1e6);\n        const millisecondsDecimalDigits =\n        typeof options.millisecondsDecimalDigits === 'number'
?\n        options.millisecondsDecimalDigits :\n        0;\n        const roundedMilliseconds =
millisecondsAndBelow >= 1 ?\n        Math.round(millisecondsAndBelow)

```

```
:Math.ceil(millisecondsAndBelow);const millisecondsString = millisecondsDecimalDigits
?millisecondsAndBelow.toFixed(millisecondsDecimalDigits)
:troundedMiliseconds;tadd(Number.parseFloat(millisecondsString,
10),'millisecond','ms',millisecondsString);else {const seconds =
(milliseconds / 1000) % 60;const secondsDecimalDigits =options.secondsDecimalDigits ===
'number' ?options.secondsDecimalDigits :1;const secondsFixed = floorDecimals(seconds,
secondsDecimalDigits);const secondsString = options.keepDecimalsOnWholeSeconds ?secondsFixed
:secondsFixed.replace(/\.0+$/, "");tadd(Number.parseFloat(secondsString, 10), 'second', 's',
secondsString);tif (result.length === 0) {return '0' + (options.verbose ? ' milliseconds' :
'ms');tif (options.compact) {return result[0];tif (typeof options.unitCount === 'number')
{const separator = options.colonNotation ? ':' : ',';return result.slice(0, Math.max(options.unitCount,
1)).join(separator);tif (options.colonNotation ? result.join(' ');n", "nvar content =
require("!!../../node_modules/css-loader/index.js??ref--6-1!/ModalDialog.css");tif (typeof content ===
'string') content = [[module.id, content, "]];nvar transform;nvar insertInto;nvar options =
{"hmr":true}noptions.transform = transformnoptions.insertInto = undefined;nvar update =
require("!!../../node_modules/style-loader/lib/addStyles.js")(content, options);tif (content.locals)
module.exports = content.locals;nif (module.hot) {module.hot.accept("!!../../node_modules/css-
loader/index.js??ref--6-1!/ModalDialog.css", function() {tvar newContent =
require("!!../../node_modules/css-loader/index.js??ref--6-1!/ModalDialog.css");tif (typeof newContent
=== 'string') newContent = [[module.id, newContent, "]];tvar locals = (function(a, b) {tvar key, idx =
0;tfor (key in a) {tif (!b || a[key] !== b[key]) return false;tidx++;tfor (key in b) idx-
-;treturn idx === 0;t}(content.locals, newContent.locals));tif (!locals) throw new Error('Aborting
CSS HMR due to changed css-modules
locals.')}tupdate(newContent);t});nmodule.hot.dispose(function() { update(); });n", "nvar content =
require("!!../../node_modules/css-loader/index.js??ref--6-1!/SettingsModal.css");tif (typeof content ===
'string') content = [[module.id, content, "]];nvar transform;nvar insertInto;nvar options =
{"hmr":true}noptions.transform = transformnoptions.insertInto = undefined;nvar update =
require("!!../../node_modules/style-loader/lib/addStyles.js")(content, options);tif (content.locals)
module.exports = content.locals;nif (module.hot) {module.hot.accept("!!../../node_modules/css-
loader/index.js??ref--6-1!/SettingsModal.css", function() {tvar newContent =
require("!!../../node_modules/css-loader/index.js??ref--6-1!/SettingsModal.css");tif (typeof
newContent === 'string') newContent = [[module.id, newContent, "]];tvar locals = (function(a, b) {tvar
key, idx = 0;tfor (key in a) {tif (!b || a[key] !== b[key]) return
false;tidx++;tfor (key in b) idx--;treturn idx === 0;t}(content.locals,
newContent.locals));tif (!locals) throw new Error('Aborting CSS HMR due to changed css-modules
locals.')}tupdate(newContent);t});nmodule.hot.dispose(function() { update(); });n", "module.exports =
require("fs");nvar content = require("!!../../node_modules/css-loader/index.js??ref--6-
1!/Toggle.css");tif (typeof content === 'string') content = [[module.id, content, "]];nvar transform;nvar
insertInto;nvar options = {"hmr":true}noptions.transform = transformnoptions.insertInto =
undefined;nvar update = require("!!../../node_modules/style-loader/lib/addStyles.js")(content,
options);tif (content.locals) module.exports = content.locals;nif (module.hot)
{module.hot.accept("!!../../node_modules/css-loader/index.js??ref--6-1!/Toggle.css", function() {tvar
newContent = require("!!../../node_modules/css-loader/index.js??ref--6-1!/Toggle.css");tif (typeof
newContent === 'string') newContent = [[module.id, newContent, "]];tvar locals = (function(a, b) {tvar
key, idx = 0;tfor (key in a) {tif (!b || a[key] !== b[key]) return
false;tidx++;tfor (key in b) idx--;treturn idx === 0;t}(content.locals,
newContent.locals));tif (!locals) throw new Error('Aborting CSS HMR due to changed css-modules
locals.')}tupdate(newContent);t});nmodule.hot.dispose(function() { update(); });n", "nvar content =
```



```

locals.);
\n\n\t\tupdate(newContent);\n\t});\n\n\tmodule.hot.dispose(function() { update(); });\n\n}","use
strict";\n\nconst zlib = require('zlib');\n\nconst bufferUtil = require('./buffer-util');\n\nconst Limiter =
require('./limiter');\n\nconst { kStatusCode, NOOP } = require('./constants');\n\nconst TRAILER = Buffer.from([0x00,
0x00, 0xff, 0xff]);\n\nconst kPerMessageDeflate = Symbol('permessage-deflate');\n\nconst kTotalLength =
Symbol('total-length');\n\nconst kCallback = Symbol('callback');\n\nconst kBuffers = Symbol('buffers');\n\nconst kError =
Symbol('error');\n\n\n// We limit zlib concurrency, which prevents severe memory fragmentation\n// as
documented in https://github.com/nodejs/node/issues/8871#issuecomment-250915913\n// and
https://github.com/websockets/ws/issues/1202\n//\n// Intentionally global; it's the global thread pool that's an
issue.\n\nlet zlibLimiter;\n\n/**\n * permessage-deflate implementation.\n *\n * class PerMessageDeflate {\n *\n *   Creates a PerMessageDeflate instance.\n *   * @param {Object} options Configuration options\n *   * @param
{Boolean} options.serverNoContextTakeover Request/accept disabling\n *   * of server context takeover\n *   *
@param {Boolean} options.clientNoContextTakeover Advertise/acknowledge\n *   * disabling of client context
takeover\n *   * @param {(Boolean|Number)} options.serverMaxWindowBits Request/confirm the\n *   * use of a
custom server window size\n *   * @param {(Boolean|Number)} options.clientMaxWindowBits Advertise support\n *
for, or request, a custom client window size\n *   * @param {Object} options.zlibDeflateOptions Options to pass
to zlib on deflate\n *   * @param {Object} options.zlibInflateOptions Options to pass to zlib on inflate\n *
@param
{Number} options.threshold Size (in bytes) below which messages\n *   * should not be compressed\n *   * @param
{Number} options.concurrencyLimit The number of concurrent calls to\n *   * zlib\n *   * @param {Boolean}
isServer Create the instance in either server or client\n *   * mode\n *   * @param {Number} maxPayload The
maximum allowed message length\n *   *\n *   constructor(options, isServer, maxPayload) {\n *   *   this._maxPayload =
maxPayload | 0;\n *   *   this._options = options || {};\n *   *   this._threshold =\n *   *   this._options.threshold !== undefined ?
this._options.threshold : 1024;\n *   *   this._isServer = !!isServer;\n *   *   this._deflate = null;\n *   *
this._inflate = null;\n *   *   this.params = null;\n *   *   if (!zlibLimiter) {\n *   *     const concurrency =\n *   *     this._options.concurrencyLimit !==
undefined\n *   *     ? this._options.concurrencyLimit\n *   *     : 10;\n *   *     zlibLimiter = new Limiter(concurrency);\n *
}\n *   * }\n *\n *   @type {String}\n *   @static get extensionName() {\n *   *   return 'permessage-deflate';\n *   * }\n *\n *   Create an extension negotiation offer.\n *   * @return {Object} Extension parameters\n *   * @public\n *\n *   offer() {\n *   *   const params = {};\n *   *   if (this._options.serverNoContextTakeover) {\n *
*\n *   *     params.server_no_context_takeover = true;\n *   *   }\n *   *   if (this._options.clientNoContextTakeover) {\n *
*\n *   *     params.client_no_context_takeover = true;\n *   *   }\n *   *   if (this._options.serverMaxWindowBits) {\n *
*\n *   *     params.server_max_window_bits = this._options.serverMaxWindowBits;\n *   *   }\n *   *   if
(this._options.clientMaxWindowBits) {\n *   *     params.client_max_window_bits =
this._options.clientMaxWindowBits;\n *   *   } else if (this._options.clientMaxWindowBits === null) {\n *
*\n *   *     params.client_max_window_bits = true;\n *   *   }\n *   *   return params;\n *   * }\n *\n *   Accept an extension
negotiation offer/response.\n *   * @param {Array} configurations The extension negotiation offers/reponse\n *
*\n *   @return {Object} Accepted configuration\n *   * @public\n *\n *   accept(configurations) {\n *   *   configurations =
this.normalizeParams(configurations);\n *   *   this.params = this._isServer\n *   *   ?
this.acceptAsServer(configurations)\n *   *   : this.acceptAsClient(configurations);\n *   *   return this.params;\n *   * }\n *\n *   Releases all resources used by the extension.\n *   * @public\n *\n *   cleanup() {\n *   *   if (this._inflate)
{\n *   *     this._inflate.close();\n *   *     this._inflate = null;\n *   *   }\n *   *   if (this._deflate) {\n *   *     if (this._deflate[kCallback])
{\n *   *       this._deflate[kCallback]();\n *   *     }\n *   *     this._deflate.close();\n *   *     this._deflate = null;\n *   *   }\n *   * }\n *\n *   Accept an extension negotiation offer.\n *   * @param {Array} offers The extension negotiation offers\n *
*\n *   @return {Object} Accepted configuration\n *   * @private\n *\n *   acceptAsServer(offers) {\n *   *   const opts =
this._options;\n *   *   const accepted = offers.find((params) => {\n *   *     if (\n *   *     (opts.serverNoContextTakeover ===
false &&\n *   *     params.server_no_context_takeover) ||\n *   *     (params.server_max_window_bits &&\n *   *     (opts.serverMaxWindowBits === false ||\n *   *     (typeof opts.serverMaxWindowBits === 'number' &&\n *
*\n *   *     opts.serverMaxWindowBits > params.server_max_window_bits))) ||\n *   *     (typeof opts.clientMaxWindowBits ===
'number' &&\n *   *     !params.client_max_window_bits)\n *   *     ) {\n *   *       return false;\n *   *     }\n *   *     return true;\n *   *   });\n *   *   if (!accepted) {\n *   *     throw new Error('None of the extension offers can be accepted');\n *   *   }\n *   *   if

```



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this._inflate.flush() => {\n  const err = this._inflate[kError];\n  if (err) {\n    this._inflate.close();\n    this._inflate = null;\n    callback(err);\n    return;\n  }\n  const data = bufferUtil.concat(\n    this._inflate[kBuffers],\n    this._inflate[kTotalLength]\n  );\n  if (fin &&\n    this.params[`${endpoint}_no_context_takeover`]) {\n    this._inflate.close();\n    this._inflate = null;\n  } else\n    {\n      this._inflate[kTotalLength] = 0;\n      this._inflate[kBuffers] = [];\n    }\n  callback(null, data);\n});\n}\n\n/**\n * Compress data.\n * @param {Buffer} data Data to compress\n * @param {Boolean} fin Specifies whether or not this is the last fragment\n * @param {Function} callback Callback\n * @private\n */\nfunction _compress(data, fin, callback) {\n  const endpoint = this._isServer ? 'server' : 'client';\n  if (!this._deflate)\n    {\n      const key = `${endpoint}_max_window_bits`;\n      const windowBits =\n        typeof this.params[key] !==\n        'number'\n          ? zlib.Z_DEFAULT_WINDOWBITS\n          : this.params[key];\n      this._deflate =\n        zlib.createDeflateRaw({\n          ...this._options.zlibDeflateOptions,\n          windowBits\n        });\n      this._deflate[kTotalLength] = 0;\n      this._deflate[kBuffers] = [];\n      /\n      // An `error` event is emitted, only\n      on Node.js < 10.0.0, if the\n      // `zlib.DeflateRaw` instance is closed while data is being processed.\n      // This can\n      happen if `PerMessageDeflate#cleanup()` is called at the wrong\n      // time due to an abnormal WebSocket\n      closure.\n      /\n      this._deflate.on('error', NOOP);\n      this._deflate.on('data', deflateOnData);\n    }\n    this._deflate[kCallback] = callback;\n    this._deflate.write(data);\n    this._deflate.flush(zlib.Z_SYNC_FLUSH, ()\n  => {\n    if (!this._deflate) {\n      /\n      // This `if` statement is only needed for Node.js < 10.0.0 because as of\n      // commit https://github.com/nodejs/node/commit/5e3f5164, the flush\n      // callback is no longer called if the\n      deflate stream is closed while\n      // data is being processed.\n      /\n      return;\n    }\n    let data =\n      bufferUtil.concat(\n        this._deflate[kBuffers],\n        this._deflate[kTotalLength]\n      );\n    if (fin) data =\n      data.slice(0, data.length - 4);\n    /\n    // Ensure that the callback will not be called again in\n    //\n    `PerMessageDeflate#cleanup()`.\n    /\n    this._deflate[kCallback] = null;\n    if (fin &&\n      this.params[`${endpoint}_no_context_takeover`]) {\n      this._deflate.close();\n      this._deflate = null;\n    } else {\n      this._deflate[kTotalLength] = 0;\n      this._deflate[kBuffers] = [];\n    }\n    callback(null, data);\n  });\n}\n\nmodule.exports = PerMessageDeflate;\n\n/**\n * The listener of the `zlib.DeflateRaw` stream `data` event.\n * @param {Buffer} chunk A chunk of data\n * @private\n */\nfunction deflateOnData(chunk) {\n  this[kBuffers].push(chunk);\n  this[kTotalLength] += chunk.length;\n}\n\n/**\n * The listener of the\n * `zlib.InflateRaw` stream `data` event.\n * @param {Buffer} chunk A chunk of data\n * @private\n */\nfunction inflateOnData(chunk) {\n  this[kTotalLength] += chunk.length;\n  if (\n    this[kPerMessageDeflate]._maxPayload\n    < 1 ||\n    this[kTotalLength] <= this[kPerMessageDeflate]._maxPayload\n  ) {\n    this[kBuffers].push(chunk);\n    return;\n  }\n  this[kError] = new RangeError('Max payload size exceeded');\n  this[kError][kStatusCode] =\n    1009;\n  this.removeListener('data', inflateOnData);\n  this.reset();\n}\n\n/**\n * The listener of the `zlib.InflateRaw`\n * stream `error` event.\n * @param {Error} err The emitted error\n * @private\n */\nfunction inflateOnError(err)\n{\n  /\n  // There is no need to call `Zlib#close()` as the handle is automatically\n  // closed when an error is\n  emitted.\n  /\n  this[kPerMessageDeflate]._inflate = null;\n  err[kStatusCode] = 1007;\n  this[kCallback](err);\n}\n\n", "use strict";\nconst { EMPTY_BUFFER } = require('./constants');\n\n/**\n * Merges\n * an array of buffers into a new buffer.\n * @param {Buffer[]} list The array of buffers to concat\n * @param\n * {Number} totalLength The total length of buffers in the list\n * @return {Buffer} The resulting buffer\n * @public\n */\nfunction concat(list, totalLength) {\n  if (list.length === 0) return EMPTY_BUFFER;\n  if (list.length\n    === 1) return list[0];\n  const target = Buffer.allocUnsafe(totalLength);\n  let offset = 0;\n  for (let i = 0; i <\n    list.length; i++) {\n    const buf = list[i];\n    target.set(buf, offset);\n    offset += buf.length;\n  }\n  if (offset <\n    totalLength) return target.slice(0, offset);\n  return target;\n}\n\n/**\n * Masks a buffer using the given mask.\n * @param {Buffer} source The buffer to mask\n * @param {Buffer} mask The mask to use\n * @param\n * {Buffer} output The buffer where to store the result\n * @param {Number} offset The offset at which to start\n * writing\n * @param {Number} length The number of bytes to mask\n * @public\n */\nfunction _mask(source,\n  mask, output, offset, length) {\n  for (let i = 0; i < length; i++) {\n    output[offset + i] = source[i] ^ mask[i & 3];\n  }\n}\n\n/**\n * Unmasks a buffer using the given mask.\n * @param {Buffer} buffer The buffer to unmask\n * @param\n * {Buffer} mask The mask to use\n * @public\n */\nfunction _unmask(buffer, mask) {\n  // Required until

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https://github.com/nodejs/node/issues/9006 is resolved.\n  const length = buffer.length;\n  for (let i = 0; i < length;\n  i++) {\n    buffer[i] ^= mask[i & 3];\n  }\n}\n\n/**\n * Converts a buffer to an `ArrayBuffer`.\n * @param\n * {Buffer} buf The buffer to convert\n * @return {ArrayBuffer} Converted buffer\n * @public\n */\nfunction\n toArrayBuffer(buf) {\n  if (buf.byteLength === buf.buffer.byteLength) {\n    return buf.buffer;\n  }\n\n  return\n  buf.buffer.slice(buf.byteOffset, buf.byteOffset + buf.byteLength);\n}\n\n/**\n * Converts `data` to a `Buffer`.\n * @param\n * {*} data The data to convert\n * @return {Buffer} The buffer\n * @throws {TypeError}\n * @public\n */\nfunction\n toBuffer(data) {\n  toBuffer.readOnly = true;\n\n  if (Buffer.isBuffer(data)) return data;\n\n  let buf;\n\n  if (data instanceof ArrayBuffer) {\n    buf = Buffer.from(data);\n  } else if (ArrayBuffer.isView(data)) {\n    buf =\n    viewToBuffer(data);\n  } else {\n    buf = Buffer.from(data);\n    toBuffer.readOnly = false;\n  }\n\n  return\n  buf;\n}\n\n/**\n * Converts an `ArrayBuffer` view into a buffer.\n * @param\n * {(DataView|TypedArray)} view\n * The view to convert\n * @return {Buffer} Converted view\n * @private\n */\nfunction\n viewToBuffer(view) {\n  const buf = Buffer.from(view.buffer);\n\n  if (view.byteLength !== view.buffer.byteLength) {\n    return\n    buf.slice(view.byteOffset, view.byteOffset + view.byteLength);\n  }\n\n  return buf;\n}\n\ntry {\n  const bufferUtil =\n  require('bufferutil');\n  const bu = bufferUtil.BufferUtil || bufferUtil;\n\n  module.exports = {\n    concat,\n    mask(source, mask, output, offset, length) {\n      if (length < 48) _mask(source, mask, output, offset, length);\n      else bu.mask(source, mask, output, offset, length);\n    },\n    toArrayBuffer,\n    toBuffer,\n    unmask(buffer, mask) {\n      if (buffer.length < 32) _unmask(buffer, mask);\n      else bu.unmask(buffer, mask);\n    }\n  }; \n} catch (e) /*\nistanbul ignore next */ {\n  module.exports = {\n    concat,\n    mask: _mask,\n    toArrayBuffer,\n    toBuffer,\n    unmask: _unmask\n  }; \n}\n\n"/**\n * Copyright (c) 2013-present, Facebook, Inc.\n * This source code is\n * licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n\nif\n (process.env.NODE_ENV !== 'production') {\n  var ReactIs = require('react-is');\n  // By explicitly using `prop-\n  types` you are opting into new development behavior.\n  // http://fb.me/prop-types-in-prod\n  var\n  throwOnDirectAccess = true;\n  module.exports = require('./factoryWithTypeCheckers')(ReactIs.isElement,\n  throwOnDirectAccess);\n} else {\n  // By explicitly using `prop-types` you are opting into new production\n  behavior.\n  // http://fb.me/prop-types-in-prod\n  module.exports =\n  require('./factoryWithThrowingShims')();\n}\n\n"/**\n * use strict";\n */\nObject.defineProperty(exports, '__esModule', {\n  value: true });\n\nexports.decodeBase64 = exports.lazyStatic = exports.memoizeByReference =\n exports.memoizeByShallowEquality = exports.objectsHaveShallowEquality = exports.noop = exports.binarySearch\n = exports.triangle = exports.fract = exports.formatPercent = exports.zeroPad = exports.itReduce = exports.itForEach\n = exports.itMap = exports.KeyedSet = exports.getOrThrow = exports.getOrElse = exports.getOrInsert =\n exports.sortBy = exports.lastOf = void 0;\n\nfunction\n lastOf(ts) {\n  return ts[ts.length - 1] || null;\n}\n\nexports.lastOf =\n lastOf;\n\nfunction\n sortBy(ts, key) {\n  function\n  comparator(a, b) {\n    const keyA = key(a);\n    const keyB =\n    key(b);\n    return keyA < keyB ? -1 : keyA > keyB ? 1 : 0;\n  }\n  ts.sort(comparator);\n}\n\nexports.sortBy =\n sortBy;\n\nfunction\n getOrInsert(map, k, fallback) {\n  if (!map.has(k))\n    map.set(k, fallback(k));\n  return\n  map.get(k);\n}\n\nexports.getOrInsert =\n getOrInsert;\n\nfunction\n getOrElse(map, k, fallback) {\n  if (!map.has(k))\n    return\n    fallback(k);\n  return\n  map.get(k);\n}\n\nexports.getOrElse =\n getOrElse;\n\nfunction\n getOrThrow(map, k) {\n  if (!map.has(k)) {\n    throw\n    new Error(`Expected key ${k}`);\n  }\n  return\n  map.get(k);\n}\n\nexports.getOrThrow =\n getOrThrow;\n\nclass\n KeyedSet {\n  constructor() {\n    this.map = new\n    Map();\n  }\n  getOrInsert(t) {\n    const key = t.key;\n    const existing = this.map.get(key);\n    if\n    (existing)\n      return\n      existing;\n    this.map.set(key, t);\n    return\n    t;\n  }\n  forEach(fn) {\n    this.map.forEach(fn);\n  }\n  [Symbol.iterator]() {\n    return\n    this.map.values();\n  }\n}\n\nexports.KeyedSet =\n KeyedSet;\n\nfunction*\n itMap(it, f) {\n  for (let t of it) {\n    yield\n    f(t);\n  }\n}\n\nexports.itMap =\n itMap;\n\nfunction\n itForEach(it, f) {\n  for (let t of it) {\n    f(t);\n  }\n}\n\nexports.itForEach =\n itForEach;\n\nfunction\n itReduce(it, f, init) {\n  let accum = init;\n  for (let t of it) {\n    accum =\n    f(accum, t);\n  }\n  return\n  accum;\n}\n\nexports.itReduce =\n itReduce;\n\nfunction\n zeroPad(s, width) {\n  return\n  new Array(Math.max(width - s.length, 0) + 1).join('0') + s;\n}\n\nexports.zeroPad =\n zeroPad;\n\nfunction\n formatPercent(percent) {\n  let\n  formattedPercent = `${percent.toFixed(0)}%`;\n  if (percent === 100)\n    formattedPercent = '100%';\n  else if\n  (percent > 99)\n    formattedPercent = '>99%';\n  else if\n  (percent < 0.01)\n    formattedPercent = '<0.01%';\n}\n
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else if (percent < 1)\n    formattedPercent = `${percent.toFixed(2)}%`;
else if (percent < 10)\n
formattedPercent = `${percent.toFixed(1)}%`;
return formattedPercent;
}\n\nexports.formatPercent =
formatPercent;
\nfunction fract(x) {\n    return x - Math.floor(x);
}\n\nexports.fract = fract;
\nfunction triangle(x) {\n
return 2.0 * Math.abs(fract(x) - 0.5) - 1.0;
}\n\nexports.triangle = triangle;
\nfunction binarySearch(lo, hi, f, target,
targetRangeSize = 1) {\n    console.assert(!isNaN(targetRangeSize) && !isNaN(target));
while (true) {\n        if
(hi - lo <= targetRangeSize)\n            return [lo, hi];
const mid = (hi + lo) / 2;
const val = f(mid);
\n        if (val < target)\n            lo = mid;
else\n            hi = mid;
}\n}\n\nexports.binarySearch =
binarySearch;
\nfunction noop(...args) {\n}\n\nexports.noop = noop;
\nfunction objectsHaveShallowEquality(a, b) {\n
for (let key in a) {\n        if (a[key] !== b[key])\n            return false;
}\n    for (let key in b) {\n        if (a[key] !==
b[key])\n            return false;
}\n    return true;
}\n\nexports.objectsHaveShallowEquality =
objectsHaveShallowEquality;
\nfunction memoizeByShallowEquality(cb) {\n    let last = null;
return (args) =>
{\n        let result;
if (last == null) {\n            result = cb(args);
last = { args, result };
return
result;
}\n        else if (objectsHaveShallowEquality(last.args, args)) {\n            return last.result;
}\n        else {\n            last.args = args;
last.result = cb(args);
return last.result;
}\n    };
}\n\nexports.memoizeByShallowEquality = memoizeByShallowEquality;
\nfunction memoizeByReference(cb) {\n
let last = null;
return (args) => {\n        let result;
if (last == null) {\n            result = cb(args);
last = { args, result };
return result;
}\n        else if (last.args === args) {\n            return last.result;
}\n        else {\n            last.args = args;
last.result = cb(args);
return last.result;
}\n    };
}\n\nexports.memoizeByReference = memoizeByReference;
\nfunction lazyStatic(cb) {\n    let last = null;
return () => {\n        if (last == null) {\n            last = { result: cb() };
}\n        return last.result;
};
}\n\nexports.lazyStatic = lazyStatic;
\nconst base64lookupTable = lazyStatic(() => {\n    const alphabet =
'ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/';
const ret = new
Map();
for (let i = 0; i < alphabet.length; i++) {\n        ret.set(alphabet.charAt(i), i);
}\n    ret.set('=', -1);
return ret;
});
\n// NOTE: There are probably simpler solutions to this problem, but I have this written already,
so\n// until we run into problems with this, let's just use this.\n// See: https://developer.mozilla.org/en-US/docs/Web/API/WindowBase64/Base64_encoding_and_decoding#The_Unicode_Problem#The_Unicode_Problem\n\nfunction decodeBase64(encoded) {\n    // Reference: https://www.rfc-editor.org/rfc/rfc4648.txt\n    const
lookupTable = base64lookupTable();
// 3 byte groups are represented as sequences of 4 characters.
\n    //\n    //
\n    // The encoding process represents 24-bit groups of input bits as output\n    // strings of 4 encoded characters.
\n    //\n    //
\n    // Special processing is performed if fewer than 24 bits are available\n    // at the end of the data being
encoded. A full encoding quantum is\n    // always completed at the end of a quantity. When fewer than 24 input\n    //
bits are available in an input group bits with value zero are added\n    // (on the right) to form an integral number
of 6-bit groups.
\n    if (encoded.length % 4 !== 0) {\n        throw new Error(`Invalid length for base64 encoded
string. Expected length % 4 = 0, got length = ${encoded.length}`);
}\n    const quartetCount = encoded.length /
4;
let byteCount;
// Special processing is performed if fewer than 24 bits are available\n    // at the end of the
data being encoded. A full encoding quantum is\n    // always completed at the end of a quantity. When fewer than
24 input\n    // bits are available in an input group, bits with value zero are added\n    // (on the right) to form an
integral number of 6-bit groups. Padding\n    // at the end of the data is performed using the '=' character. Since\n    //
all base 64 input is an integral number of octets, only the following\n    // cases can arise:
\n    //\n    // (1) The final quantum of encoding input is an integral multiple of 24\n    // bits; here, the final unit of encoded output will be an
integral\n    // multiple of 4 characters with no "=" padding.
\n    //\n    // (2) The final quantum of encoding input is exactly 8 bits; here, the\n    // final unit of encoded output will be two characters followed by\n    // two "="
padding characters.
\n    //\n    // (3) The final quantum of encoding input is exactly 16 bits; here, the\n    // final
unit of encoded output will be three characters followed by\n    // one "=" padding character.
\n    if
(encoded.length >= 4) {\n        if (encoded.charAt(encoded.length - 1) === '=') {\n            if
(encoded.charAt(encoded.length - 2) === '=') {\n                // Case (2)\n                byteCount = quartetCount * 3 -
2;
}\n            else {\n                // Case (3)\n                byteCount = quartetCount * 3 - 1;
}\n        }\n    }
else {\n        // Case (1)\n        byteCount = quartetCount * 3;
}\n    }\n    else {\n        // Case (1)\n

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byteCount = quartetCount * 3;\n  }\n  const bytes = new Uint8Array(byteCount);\n  let offset = 0;\n  for (let i =
0; i < quartetCount; i++) {\n    const enc1 = encoded.charAt(i * 4 + 0);\n    const enc2 = encoded.charAt(i * 4 +
1);\n    const enc3 = encoded.charAt(i * 4 + 2);\n    const enc4 = encoded.charAt(i * 4 + 3);\n    const sextet1
= lookupTable.get(enc1);\n    const sextet2 = lookupTable.get(enc2);\n    const sextet3 =
lookupTable.get(enc3);\n    const sextet4 = lookupTable.get(enc4);\n    if (sextet1 == null || sextet2 == null ||
sextet3 == null || sextet4 == null) {\n      throw new Error(`Invalid quartet at indices ${i * 4} .. ${i * 4 + 3}:
${encoded.substring(i * 4, i * 4 + 3)}`);\n    }\n    bytes[offset++] = (sextet1 << 2) | (sextet2 >> 4);\n    if
(enc3 !== '=') {\n      bytes[offset++] = ((sextet2 & 15) << 4) | (sextet3 >> 2);\n    }\n    if (enc4 !== '=') {\n
      bytes[offset++] = ((sextet3 & 7) << 6) | sextet4;\n    }\n    }\n    if (offset !== byteCount) {\n      throw new
Error(`Expected to decode ${byteCount} bytes, but only decoded ${offset}`);\n    }\n    return
bytes;\n  }\n}\nexports.decodeBase64 = decodeBase64;\n", "use strict\n\n// A linked list to keep track of recently-used-
ness\nconst Yallist = require('yallist')\n\nconst MAX = Symbol('max')\nconst LENGTH = Symbol('length')\nconst
LENGTH_CALCULATOR = Symbol('lengthCalculator')\nconst ALLOW_STALE = Symbol('allowStale')\nconst
MAX_AGE = Symbol('maxAge')\nconst DISPOSE = Symbol('dispose')\nconst NO_DISPOSE_ON_SET =
Symbol('noDisposeOnSet')\nconst LRU_LIST = Symbol('lruList')\nconst CACHE = Symbol('cache')\nconst
UPDATE_AGE_ON_GET = Symbol('updateAgeOnGet')\n\nconst naiveLength = () => 1\n\n// lruList is a yallist
where the head is the youngest\n// item, and the tail is the oldest. the list contains the Hit\n// objects as the
entries.\n// Each Hit object has a reference to its Yallist.Node. This\n// never changes.\n\n// cache is a Map (or
PseudoMap) that matches the keys to\n// the Yallist.Node object.\n\nclass LRUCache {\n  constructor (options) {\n
if (typeof options === 'number')\n    options = { max: options }\n  }\n  if (!options)\n    options = {}\n  if
(options.max && (typeof options.max !== 'number' || options.max < 0))\n    throw new TypeError('max must be a
non-negative number')\n  // Kind of weird to have a default max of Infinity, but oh well.\n  const max =
this[MAX] = options.max || Infinity\n  const lc = options.length || naiveLength\n
this[LENGTH_CALCULATOR] = (typeof lc !== 'function') ? naiveLength : lc\n  this[ALLOW_STALE] =
options.stale || false\n  if (options.maxAge && typeof options.maxAge !== 'number')\n    throw new
TypeError('maxAge must be a number')\n  this[MAX_AGE] = options.maxAge || 0\n  this[DISPOSE] =
options.dispose\n  this[NO_DISPOSE_ON_SET] = options.noDisposeOnSet || false\n
this[UPDATE_AGE_ON_GET] = options.updateAgeOnGet || false\n  this.reset()\n  }\n\n  // resize the cache when
the max changes.\n  set max (mL) {\n    if (typeof mL !== 'number' || mL < 0)\n      throw new TypeError('max must
be a non-negative number')\n    this[MAX] = mL || Infinity\n    trim(this)\n  }\n  get max () {\n    return
this[MAX]\n  }\n\n  set allowStale (allowStale) {\n    this[ALLOW_STALE] = !!allowStale\n  }\n  get allowStale ()
{\n    return this[ALLOW_STALE]\n  }\n\n  set maxAge (mA) {\n    if (typeof mA !== 'number')\n      throw new
TypeError('maxAge must be a non-negative number')\n    this[MAX_AGE] = mA\n    trim(this)\n  }\n  get
maxAge () {\n    return this[MAX_AGE]\n  }\n\n  // resize the cache when the lengthCalculator changes.\n  set
lengthCalculator (IC) {\n    if (typeof IC !== 'function')\n      IC = naiveLength\n    if (IC !==
this[LENGTH_CALCULATOR]) {\n      this[LENGTH_CALCULATOR] = IC\n      this[LENGTH] = 0\n
this[LRU_LIST].forEach(hit => {\n        hit.length = this[LENGTH_CALCULATOR](hit.value, hit.key)\n
this[LENGTH] += hit.length\n      })\n    }\n    trim(this)\n  }\n  get lengthCalculator () {\n    return
this[LENGTH_CALCULATOR]\n  }\n\n  get length () {\n    return this[LENGTH]\n  }\n  get itemCount () {\n    return
this[LRU_LIST].length\n  }\n  rforEach (fn, thisp) {\n    thisp = thisp || this\n    for (let walker =
this[LRU_LIST].tail; walker !== null;) {\n      const prev = walker.prev\n      forEachStep(this, fn, walker, thisp)\n
walker = prev\n    }\n  }\n  forEach (fn, thisp) {\n    thisp = thisp || this\n    for (let walker = this[LRU_LIST].head;
walker !== null;) {\n      const next = walker.next\n      forEachStep(this, fn, walker, thisp)\n      walker = next\n
}\n  }\n  keys () {\n    return this[LRU_LIST].toArray().map(k => k.key)\n  }\n  values () {\n    return
this[LRU_LIST].toArray().map(k => k.value)\n  }\n\n  reset () {\n    if (this[DISPOSE] &&\n      this[LRU_LIST]
&&\n      this[LRU_LIST].length) {\n      this[LRU_LIST].forEach(hit => this[DISPOSE](hit.key, hit.value))\n
}\n    this[CACHE] = new Map() // hash of items by key\n    this[LRU_LIST] = new Yallist() // list of items in
order of use recency\n    this[LENGTH] = 0 // length of items in the list\n  }\n\n  dump () {\n    return

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this[LRU_LIST].map(hit =>\n  isStale(this, hit) ? false : {\n    k: hit.key,\n    v: hit.value,\n    e: hit.now +
(hit.maxAge || 0)\n  }).toArray().filter(h => h)\n }\n\n dumpLru () {\n  return this[LRU_LIST]\n }\n\n set
(key, value, maxAge) {\n  maxAge = maxAge || this[MAX_AGE]\n  if (maxAge && typeof maxAge !==
'number')\n    throw new TypeError('maxAge must be a number')\n  const now = maxAge ? Date.now() : 0\n
const len = this[LENGTH_CALCULATOR](value, key)\n  if (this[CACHE].has(key)) {\n  if (len >
this[MAX]) {\n    del(this, this[CACHE].get(key))\n    return false\n  }\n  const node =
this[CACHE].get(key)\n  const item = node.value\n  // dispose of the old one before overwriting\n  // split
out into 2 ifs for better coverage tracking\n  if (this[DISPOSE]) {\n    if (!this[NO_DISPOSE_ON_SET])\n  this[DISPOSE](key, item.value)\n  }\n  item.now = now\n  item.maxAge = maxAge\n  item.value =
value\n  this[LENGTH] += len - item.length\n  item.length = len\n  this.get(key)\n  trim(this)\n  return
true\n }\n\n  const hit = new Entry(key, value, len, now, maxAge)\n  // oversized objects fall out of cache
automatically.\n  if (hit.length > this[MAX]) {\n  if (this[DISPOSE])\n    this[DISPOSE](key, value)\n  }\n
return false\n }\n\n  this[LENGTH] += hit.length\n  this[LRU_LIST].unshift(hit)\n  this[CACHE].set(key,
this[LRU_LIST].head)\n  trim(this)\n  return true\n }\n\n  has (key) {\n  if (!this[CACHE].has(key)) return
false\n  const hit = this[CACHE].get(key).value\n  return !isStale(this, hit)\n }\n\n  get (key) {\n  return get(this,
key, true)\n }\n\n  peek (key) {\n  return get(this, key, false)\n }\n\n  pop () {\n  const node =
this[LRU_LIST].tail\n  if (!node)\n    return null\n  del(this, node)\n  return node.value\n }\n\n  del (key) {\n
del(this, this[CACHE].get(key))\n }\n\n  load (arr) {\n  // reset the cache\n  this.reset()\n  const now =
Date.now()\n  // A previous serialized cache has the most recent items first\n  for (let l = arr.length - 1; l >= 0; l--)\n
{\n  const hit = arr[l]\n  const expiresAt = hit.e || 0\n  if (expiresAt === 0)\n    // the item was created
without expiration in a non aged cache\n    this.set(hit.k, hit.v)\n  else {\n  const maxAge = expiresAt -
now\n    // dont add already expired items\n    if (maxAge > 0) {\n    this.set(hit.k, hit.v, maxAge)\n    }\n
}\n }\n }\n\n  prune () {\n  this[CACHE].forEach((value, key) => get(this, key, false))\n }\n\n\nconst get =
(self, key, doUse) => {\n  const node = self[CACHE].get(key)\n  if (node) {\n  const hit = node.value\n  if
(isStale(self, hit)) {\n  del(self, node)\n  if (!self[ALLOW_STALE])\n    return undefined\n  } else {\n  if
(doUse) {\n    if (self[UPDATE_AGE_ON_GET])\n      node.value.now = Date.now()\n  self[LRU_LIST].unshiftNode(node)\n  }\n  }\n  return hit.value\n }\n}\n\nconst isStale = (self, hit) => {\n  if
(!hit || (!hit.maxAge && !self[MAX_AGE]))\n  return false\n  const diff = Date.now() - hit.now\n  return
hit.maxAge ? diff > hit.maxAge\n  : self[MAX_AGE] && (diff > self[MAX_AGE])\n}\n\nconst trim = self => {\n
if (self[LENGTH] > self[MAX]) {\n  for (let walker = self[LRU_LIST].tail;\n  self[LENGTH] > self[MAX] &&
walker !== null;)\n  // We know that we're about to delete this one, and also\n  // what the next least recently
used key will be, so just\n  // go ahead and set it now.\n  const prev = walker.prev\n  del(self, walker)\n
walker = prev\n }\n }\n\nconst del = (self, node) => {\n  if (node) {\n  const hit = node.value\n  if
(self[DISPOSE])\n  self[DISPOSE](hit.key, hit.value)\n  self[LENGTH] -= hit.length\n  self[CACHE].delete(hit.key)\n  self[LRU_LIST].removeNode(node)\n }\n}\n\n\nclass Entry {\n  constructor (key,
value, length, now, maxAge) {\n  this.key = key\n  this.value = value\n  this.length = length\n  this.now =
now\n  this.maxAge = maxAge || 0\n }\n}\n\nconst forEachStep = (self, fn, node, thisp) => {\n  let hit =
node.value\n  if (isStale(self, hit)) {\n  del(self, node)\n  if (!self[ALLOW_STALE])\n  hit = undefined\n }\n  if
(hit)\n  fn.call(thisp, hit.value, hit.key, self)\n}\n\n\nmodule.exports = LRU\n\n\ncontent =
require("!!../../../../../node_modules/css-loader/index.js??ref--6-1!/EditableValue.css");\n\n\nif(typeof content ===
'string') content = [[module.id, content, "]];\n\n\nvar transform;\n\nvar insertInto;\n\n\n\nvar options =
{"hmr":true}\n\n\noptions.transform = transform\n\noptions.insertInto = undefined;\n\n\nvar update =
require("!!../../../../../node_modules/style-loader/lib/addStyles.js")(content, options);\n\n\n\nif(content.locals)\n  module.exports = content.locals;\n\n\n\nif(module.hot) {\n  \n\nmodule.hot.accept("!!../../../../../node_modules/css-
loader/index.js??ref--6-1!/EditableValue.css", function() {\n  \n\n\tvar newContent =
require("!!../../../../../node_modules/css-loader/index.js??ref--6-1!/EditableValue.css");\n  \n\n\tif(typeof
newContent === 'string') newContent = [[module.id, newContent, "]];\n  \n\n\t\tvar locals = (function(a, b) {\n  \n\n\t\t\tfor(key in a) {\n  \n\n\t\t\t\tif(!b || a[key] !== b[key]) return

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false;
newContent.locals));
locals.));
module.hot.dispose(function() { update(); });
"\"use strict\";
__createBinding = (this && this.__createBinding) || (Object.create ? (function(o, m, k, k2) {
  if (k2 === undefined) k2 = k;
  Object.defineProperty(o, k2, { enumerable: true, get: function() { return m[k]; } });
}) : (function(o, m, k, k2) {
  if (k2 === undefined) k2 = k;
  o[k2] = m[k];
}));
__exportStar = (this && this.__exportStar) || function(m, exports) {
  for (var p in m) if (p !== \"default\" && !exports.hasOwnProperty(p)) __createBinding(exports, m, p);
}
Object.defineProperty(exports, \"__esModule\", { value: true });
__exportStar(require(\"./import/chrome\"), exports);
__exportStar(require(\"./lib/flamechart\"), exports);
\"/**
 * Copyright (c) Meta Platforms, Inc. and affiliates.
 * This source code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.
 * @flow strict-local
 */
import { __PERFORMANCE_PROFILE__ } from './constants';
const supportsUserTiming =
  performance !== 'undefined' && // $FlowFixMe[method-unbinding]
  typeof performance.mark === 'function' && // $FlowFixMe[method-unbinding]
  typeof performance.clearMarks === 'function';
const supportsPerformanceNow =
  // $FlowFixMe[method-unbinding]
  typeof performance !== 'undefined' && typeof performance.now === 'function';
function mark(markName: string): void {
  if (supportsUserTiming) {
    performance.mark(markName + '-start');
  }
}
function measure(markName: string): void {
  if (supportsUserTiming) {
    performance.mark(markName + '-end');
    performance.measure(markName, markName + '-start', markName + '-end');
    performance.clearMarks(markName + '-start');
    performance.clearMarks(markName + '-end');
  }
}
function now(): number {
  if (supportsPerformanceNow) {
    return performance.now();
  }
  return Date.now();
}
export async function withAsyncPerfMeasurements<T>(
  markName: string,
  callback: () => Promise<T>,
  onComplete?: number => void,
): Promise<T> {
  const start = now();
  if (__PERFORMANCE_PROFILE__) {
    mark(markName);
  }
  const result = await callback();
  if (__PERFORMANCE_PROFILE__) {
    measure(markName);
  }
  if (onComplete !== null) {
    const duration = now() - start;
    onComplete(duration);
  }
  return result;
}
export function withSyncPerfMeasurements<T>(
  markName: string,
  callback: () => T,
  onComplete?: number => void,
): T {
  const start = now();
  if (__PERFORMANCE_PROFILE__) {
    mark(markName);
  }
  const result = callback();
  if (__PERFORMANCE_PROFILE__) {
    measure(markName);
  }
  if (onComplete !== null) {
    const duration = now() - start;
    onComplete(duration);
  }
  return result;
}
export function withCallbackPerfMeasurements<T>(
  markName: string,
  callback: (done: () => void) => T,
  onComplete?: number => void,
): T {
  const start = now();
  if (__PERFORMANCE_PROFILE__) {
    mark(markName);
  }
  const done = () => {
    if (__PERFORMANCE_PROFILE__) {
      measure(markName);
    }
    if (onComplete !== null) {
      const duration = now() - start;
      onComplete(duration);
    }
  };
  return callback(done);
}
\"\"use strict\";
const EventEmitter = require('events');
const https = require('https');
const http = require('http');
const net = require('net');
const tls = require('tls');
const { randomBytes, createHash } = require('crypto');
const { URL } = require('url');
const PerMessageDeflate = require('./permessage-deflate');
const Receiver = require('./receiver');
const Sender = require('./sender');
const {
  BINARY_TYPES,
  EMPTY_BUFFER,
  GUID,
  kStatusCode,
  kWebSocket,
  NOOP,
} = require('./constants');
const {
  addEventListener,
  removeEventListener,
} = require('./event-target');
const {
  format,
  parse,
} = require('./extension');
const {
  toBuffer,
} = require('./buffer-util');
const readyStates = ['CONNECTING', 'OPEN', 'CLOSING', 'CLOSED'];
const protocolVersions = [8, 13];
const closeTimeout = 30 * 1000;
/**
 * Class representing a WebSocket.
 *
 * @extends EventEmitter
 */
class WebSocket extends EventEmitter {
  /**
   * Create a new `WebSocket` with the given `url` and `protocols`.
   *
   * @param {(String|url.URL)} address The URL to which to connect
   * @param {(String|String[])} protocols The subprotocols
   * @param {Object} options Connection options
   */
  constructor(address, protocols, options) {
    super();
    this.readyState = WebSocket.CONNECTING;
    this.protocol = \"\";
    this.binaryType = BINARY_TYPES[0];
    this.closeFrameReceived = false;
    this.closeFrameSent = false;

```



```

    this._closeMessage = "";
    this._closeTimer = null;
    this._closeCode = 1006;
    this._extensions = {};
    this._receiver = null;
    this._sender = null;
    this._socket = null;
    if (address !== null) {
    this._bufferedAmount = 0;
    this._isServer = false;
    this._redirects = 0;
    if (Array.isArray(protocols))
    {
    protocols = protocols.join(', ');
    } else if (typeof protocols === 'object' && protocols !== null) {
    options = protocols;
    protocols = undefined;
    }
    initAsClient(this, address, protocols, options);
    } else {
    this._isServer = true;
    }
    }
    get CONNECTING() {
    return WebSocket.CONNECTING;
    }
    get CLOSING() {
    return WebSocket.CLOSING;
    }
    get CLOSED() {
    return
    WebSocket.CLOSED;
    }
    get OPEN() {
    return WebSocket.OPEN;
    }
    /**
     * This deviates from the
     * WHATWG interface since ws doesn't support the
     * required default "blob" type (instead we define a custom
     * "nodebuffer" type).
     * @type {String}
     */
    get binaryType() {
    return this._binaryType;
    }
    set binaryType(type) {
    if (!BINARY_TYPES.includes(type)) return;
    this._binaryType = type;
    // Allow to change `binaryType` on the fly.
    if (this._receiver) this._receiver._binaryType = type;
    }
    /**
     * @type {Number}
     */
    get bufferedAmount() {
    if (!this._socket) return
    this._bufferedAmount;
    // `socket.bufferSize` is `undefined` if the socket is closed.
    return
    (this._socket.bufferSize || 0) + this._sender._bufferedBytes;
    }
    /**
     * @type {String}
     */
    get
    extensions() {
    return Object.keys(this._extensions).join();
    }
    /**
     * Set up the socket and the internal
     * resources.
     * @param {net.Socket} socket The network socket between the server and client
     * @param {Buffer} head The first packet of the upgraded stream
     * @param {Number} maxPayload The maximum allowed
     * message size
     * @private
     */
    setSocket(socket, head, maxPayload) {
    const receiver = new Receiver(
    this._binaryType,
    this._extensions,
    maxPayload);
    this._sender = new Sender(socket,
    this._extensions);
    this._receiver = receiver;
    this._socket = socket;
    receiver[kWebSocket] = this;
    socket[kWebSocket] = this;
    receiver.on('conclude', receiverOnConclude);
    receiver.on('drain',
    receiverOnDrain);
    receiver.on('error', receiverOnError);
    receiver.on('message', receiverOnMessage);
    receiver.on('ping', receiverOnPing);
    receiver.on('pong', receiverOnPong);
    socket.setTimeout(0);
    socket.setNoDelay();
    if (head.length > 0) socket.unshift(head);
    socket.on('close', socketOnClose);
    socket.on('data', socketOnData);
    socket.on('end', socketOnEnd);
    socket.on('error', socketOnError);
    this.readyState = WebSocket.OPEN;
    this.emit('open');
    }
    /**
     * Emit the `close` event.
     * @private
     */
    emitClose() {
    this.readyState = WebSocket.CLOSED;
    if (!this._socket) {
    this.emit('close', this._closeCode, this._closeMessage);
    return;
    }
    if
    (this._extensions[PerMessageDeflate.extensionName]) {
    this._extensions[PerMessageDeflate.extensionName].cleanup();
    }
    this._receiver.removeAllListeners();
    this.emit('close', this._closeCode, this._closeMessage);
    }
    /**
     * Start a closing handshake.
     * @param {Number} code Status code explaining why the connection is
     * closing
     * @param {String} data A string explaining why the connection is closing
     * @public
     */
    close(code, data) {
    if (this.readyState === WebSocket.CLOSED) return;
    if (this.readyState ===
    WebSocket.CONNECTING) {
    const msg = 'WebSocket was closed before the connection was established';
    return abortHandshake(this, this._req, msg);
    }
    if (this.readyState === WebSocket.CLOSING) {
    if
    (this._closeFrameSent && this._closeFrameReceived) this._socket.end();
    return;
    }
    this.readyState =
    WebSocket.CLOSING;
    this._sender.close(code, data, !this._isServer, (err) => {
    // This error is
    // handled by the `error` listener on the socket. We only
    // want to know if the close frame has been sent here.
    if (err) return;
    this._closeFrameSent = true;
    if (this._closeFrameReceived) this._socket.end();
    });
    // Specify a timeout for the closing handshake to complete.
    this._closeTimer =
    setTimeout(
    this._socket.destroy.bind(this._socket),
    closeTimeout);
    }
    /**
     * Send a ping.
     * @param {*} data The data to send
     * @param {Boolean} mask Indicates whether or not to mask `data`

```

```

* @param {Function} cb Callback which is executed when the ping is sent
* @public
*/
ping(data, mask, cb) {
  if (this.readyState === WebSocket.CONNECTING) {
    throw new Error('WebSocket is not open: readyState 0 (CONNECTING)');
  }
  if (typeof data === 'function') {
    cb = data;
    data = mask = undefined;
  } else if (typeof mask === 'function') {
    cb = mask;
    mask = undefined;
  }
  if (typeof data === 'number') data = data.toString();
  if (this.readyState !== WebSocket.OPEN) {
    sendAfterClose(this, data, cb);
    return;
  }
  if (mask === undefined) mask = !this._isServer;
  this._sender.ping(data || EMPTY_BUFFER, mask, cb);
}

/**
 * Send a pong.
 * @param {*} data The data to send
 * @param {Boolean} mask Indicates whether or not to mask `data`
 * @param {Function} cb Callback which is executed when the pong is sent
 * @public
 */
pong(data, mask, cb) {
  if (this.readyState === WebSocket.CONNECTING) {
    throw new Error('WebSocket is not open: readyState 0 (CONNECTING)');
  }
  if (typeof data === 'function') {
    cb = data;
    data = mask = undefined;
  } else if (typeof mask === 'function') {
    cb = mask;
    mask = undefined;
  }
  if (typeof data === 'number') data = data.toString();
  if (this.readyState !== WebSocket.OPEN) {
    sendAfterClose(this, data, cb);
    return;
  }
  if (mask === undefined) mask = !this._isServer;
  this._sender.pong(data || EMPTY_BUFFER, mask, cb);
}

/**
 * Send a data message.
 * @param {*} data The message to send
 * @param {Object} options Options object
 * @param {Boolean} options.compress Specifies whether or not to compress
 * @param {Boolean} options.binary Specifies whether `data` is binary or text
 * @param {Boolean} options.fin Specifies whether the fragment is the last one
 * @param {Boolean} options.mask Specifies whether or not to mask `data`
 * @param {Function} cb Callback which is executed when data is written out
 * @public
 */
send(data, options, cb) {
  if (this.readyState === WebSocket.CONNECTING) {
    throw new Error('WebSocket is not open: readyState 0 (CONNECTING)');
  }
  if (typeof options === 'function') {
    cb = options;
    options = {};
  }
  if (typeof data === 'number') data = data.toString();
  if (this.readyState !== WebSocket.OPEN) {
    sendAfterClose(this, data, cb);
    return;
  }
  const opts = {
    binary: typeof data !== 'string',
    mask: !this._isServer,
    compress: true,
    fin: true,
    ...options
  };
  if (!this._extensions[PerMessageDeflate.extensionName]) {
    opts.compress = false;
  }
  this._sender.send(data || EMPTY_BUFFER, opts, cb);
}

/**
 * Forcibly close the connection.
 * @public
 */
terminate() {
  if (this.readyState === WebSocket.CLOSED) return;
  if (this.readyState === WebSocket.CONNECTING) {
    const msg = 'WebSocket was closed before the connection was established';
    return abortHandshake(this, this._req, msg);
  }
  if (this._socket) {
    this.readyState = WebSocket.CLOSING;
    this._socket.destroy();
  }
}

readyStates.forEach((readyState, i) => {
  WebSocket[readyState] = i;
});

// Add the `onopen`, `onerror`, `onclose`, and `onmessage` attributes.
// See https://html.spec.whatwg.org/multipage/comms.html#the-websocket-interface
['open', 'error', 'close', 'message'].forEach((method) => {
  Object.defineProperty(WebSocket.prototype, `on${method}`, {
    /**
     * Return the listener of the event.
     * @return {(Function|undefined)} The event listener or `undefined`
     * @public
     */
    get() {
      const listeners = this.listeners(method);
      for (let i = 0; i < listeners.length; i++) {
        if (listeners[i]._listener) return listeners[i]._listener;
      }
      return undefined;
    },
    /**
     * Add a listener for the event.
     * @param {Function} listener The listener to add
     * @public
     */
    set(listener) {
      const listeners = this.listeners(method);
      for (let i = 0; i < listeners.length; i++) {
        // Remove only the listeners added via `addEventListener`
        if (listeners[i]._listener) this.removeListener(method, listeners[i]);
      }
      this.addEventListener(method, listener);
    }
  });
});

WebSocket.prototype.addEventListener = addEventListener;
WebSocket.prototype.removeEventListener = removeEventListener;

module.exports = WebSocket;

/**
 * Initialize a WebSocket client.
 * @param {WebSocket} websocket The client to initialize
 * @param {(String|url.URL)} address The URL to which to connect
 * @param {String} protocols The subprotocols
 * @param {Object} options Connection options
 * @param {(Boolean|Object)} options.perMessageDeflate Enable/disable permessage-deflate
 * @param {Number} options.handshakeTimeout Timeout in milliseconds for the handshake request
 * @param {Number} options.protocolVersion Value of the `Sec-WebSocket-Version` header
 * @param {String} options.origin

```

```

Value of the `Origin` or\n * `Sec-WebSocket-Origin` header\n * @param {Number} options.maxPayload The
maximum allowed message size\n * @param {Boolean} options.followRedirects Whether or not to follow
redirects\n * @param {Number} options.maxRedirects The maximum number of redirects allowed\n * @private\n
*/\nfunction initAsClient(websocket, address, protocols, options) {\n  const opts = {\n    protocolVersion:
protocolVersions[1],\n    maxPayload: 100 * 1024 * 1024,\n    perMessageDeflate: true,\n    followRedirects: false,\n    maxRedirects: 10,\n    ...options,\n    createConnection: undefined,\n    socketPath: undefined,\n    hostname:
undefined,\n    protocol: undefined,\n    timeout: undefined,\n    method: undefined,\n    auth: undefined,\n    host:
undefined,\n    path: undefined,\n    port: undefined\n  };
\n  if (!protocolVersions.includes(opts.protocolVersion))
{\n    throw new RangeError(\n      `Unsupported protocol version: ${opts.protocolVersion}` +\n      `(supported
versions: ${protocolVersions.join(', ')}`\n    );\n  }\n  let parsedUrl;\n  if (address instanceof URL) {\n
  parsedUrl = address;\n    websocket.url = address.href;\n  } else {\n    parsedUrl = new URL(address);\n    websocket.url = address;\n  }\n  const isUnixSocket = parsedUrl.protocol === 'ws+unix:';\n  if (!parsedUrl.host
&& (!isUnixSocket || !parsedUrl.pathname)) {\n    throw new Error(`Invalid URL: ${websocket.url}`);\n  }\n  const isSecure =\n    parsedUrl.protocol === 'wss:' || parsedUrl.protocol === 'https:';\n  const defaultPort = isSecure
? 443 : 80;\n  const key = randomBytes(16).toString('base64');\n  const get = isSecure ? https.get : http.get;\n  let
perMessageDeflate;\n  opts.createConnection = isSecure ? tlsConnect : netConnect;\n  opts.defaultPort =
opts.defaultPort || defaultPort;\n  opts.port = parsedUrl.port || defaultPort;\n  opts.host =
parsedUrl.hostname.startsWith('[')\n    ? parsedUrl.hostname.slice(1, -1)\n    : parsedUrl.hostname;\n  opts.headers =
{\n    'Sec-WebSocket-Version': opts.protocolVersion,\n    'Sec-WebSocket-Key': key,\n    Connection: 'Upgrade',\n    Upgrade: 'websocket',\n    ...opts.headers\n  };
\n  opts.path = parsedUrl.pathname + parsedUrl.search;\n  opts.timeout =
opts.handshakeTimeout;\n  if (opts.perMessageDeflate) {\n    perMessageDeflate = new PerMessageDeflate(\n
  opts.perMessageDeflate !== true ? opts.perMessageDeflate : {},\n    false,\n    opts.maxPayload\n  );\n  opts.headers['Sec-WebSocket-Extensions'] = format([\n    [PerMessageDeflate.extensionName]:
perMessageDeflate.offer()\n  ]);\n  }\n  if (protocols) {\n    opts.headers['Sec-WebSocket-Protocol'] = protocols;\n  }\n  if (opts.origin) {\n    if (opts.protocolVersion < 13) {\n    opts.headers['Sec-WebSocket-Origin'] =
opts.origin;\n    } else {\n    opts.headers.Origin = opts.origin;\n    }\n  }\n  if (parsedUrl.username ||
parsedUrl.password) {\n    opts.auth = `${parsedUrl.username}:${parsedUrl.password}`;\n  }\n  if (isUnixSocket)
{\n    const parts = opts.path.split(':');\n    opts.socketPath = parts[0];\n    opts.path = parts[1];\n  }\n  let req =
(websocket._req = get(opts));\n  if (opts.timeout) {\n    req.on('timeout', () => {\n    abortHandshake(websocket,
req, 'Opening handshake has timed out');\n  });\n  }\n  req.on('error', (err) => {\n    if (websocket._req.aborted)
return;\n    req = websocket._req = null;\n    websocket.readyState = WebSocket.CLOSING;\n    websocket.emit('error', err);\n    websocket.emitClose();\n  });\n  req.on('response', (res) => {\n    const location =
res.headers.location;\n    const statusCode = res.statusCode;\n    if (\n      location &&\n      opts.followRedirects
&&\n      statusCode >= 300 &&\n      statusCode < 400\n    ) {\n      if (++websocket._redirects >
opts.maxRedirects) {\n        abortHandshake(websocket, req, 'Maximum redirects exceeded');\n        return;\n      }\n      req.abort();\n      const addr = new URL(location, address);\n      initAsClient(websocket, addr,
protocols, options);\n    } else if (!websocket.emit('unexpected-response', req, res)) {\n      abortHandshake(\n
  websocket,\n    req,\n    `Unexpected server response: ${res.statusCode}`\n  );\n    }\n  });\n  req.on('upgrade', (res, socket, head) => {\n    websocket.emit('upgrade', res);\n    //\n    // The user may have closed
the connection from a listener of the `upgrade`\n    // event.\n    //\n    if (websocket.readyState !==
WebSocket.CONNECTING) return;\n    req = websocket._req = null;\n    const digest = createHash('sha1')\n      .update(key + GUID)\n      .digest('base64');\n    if (res.headers['sec-websocket-accept'] !== digest) {\n
  abortHandshake(websocket, socket, 'Invalid Sec-WebSocket-Accept header');\n    return;\n  }\n  const
serverProt = res.headers['sec-websocket-protocol'];\n  const protList = (protocols || '').split(/, */);\n  let
protError;\n  if (!protocols && serverProt) {\n    protError = 'Server sent a subprotocol but none was
requested';\n  } else if (protocols && !serverProt) {\n    protError = 'Server sent no subprotocol';\n  } else if
(serverProt && !protList.includes(serverProt)) {\n    protError = 'Server sent an invalid subprotocol';\n  }\n  if
(protError) {\n    abortHandshake(websocket, socket, protError);\n    return;\n  }\n  if (serverProt)

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websocket.protocol = serverProt;\n\n if (perMessageDeflate) {\n  try {\n    const extensions =
parse(res.headers['sec-websocket-extensions']);\n\n    if (extensions[PerMessageDeflate.extensionName]) {\n
perMessageDeflate.accept(extensions[PerMessageDeflate.extensionName]);\n    websocket._extensions[\n
PerMessageDeflate.extensionName\n    ] = perMessageDeflate;\n    }\n  } catch (err) {\n
abortHandshake(\n    websocket,\n    socket,\n    'Invalid Sec-WebSocket-Extensions header'\n    );\n  return;\n  }\n}\n\n websocket.setSocket(socket, head, opts.maxPayload);\n });\n}\n\n/**\n * Create a
`net.Socket` and initiate a connection.\n *\n * @param {Object} options Connection options\n *\n * @return
{net.Socket} The newly created socket used to start the connection\n *\n * @private\n */\nfunction netConnect(options)
{\n  options.path = options.socketPath;\n  return net.connect(options);\n}\n\n/**\n * Create a `tls.TLSSocket` and
initiate a connection.\n *\n * @param {Object} options Connection options\n *\n * @return {tls.TLSSocket} The newly
created socket used to start the connection\n *\n * @private\n */\nfunction tlsConnect(options) {\n  options.path =
undefined;\n\n  if (!options.servername && options.servername !== '') {\n    options.servername = options.host;\n
}\n\n  return tls.connect(options);\n}\n\n/**\n * Abort the handshake and emit an error.\n *\n * @param
{WebSocket} websocket The WebSocket instance\n *\n * @param {(http.ClientRequest|net.Socket)} stream The
request to abort or the\n *\n * socket to destroy\n *\n * @param {String} message The error message\n *\n * @private\n
*/\nfunction abortHandshake(websocket, stream, message) {\n  websocket.readyState = WebSocket.CLOSING;\n\n  const err = new Error(message);\n  Error.captureStackTrace(err, abortHandshake);\n\n  if (stream.setHeader) {\n
stream.abort();\n  stream.once('abort', websocket.emitClose.bind(websocket));\n  websocket.emit('error', err);\n
}\n  else {\n    stream.destroy(err);\n    stream.once('error', websocket.emit.bind(websocket, 'error'));\n
  }\n  stream.once('close', websocket.emitClose.bind(websocket));\n}\n}\n\n/**\n * Handle cases where the `ping()`,
`pong()`, or `send()` methods are called\n * when the `readyState` attribute is `CLOSING` or `CLOSED`.\n *\n *
@param {WebSocket} websocket The WebSocket instance\n *\n * @param {*} data The data to send\n *\n * @param
{Function} cb Callback\n *\n * @private\n */\nfunction sendAfterClose(websocket, data, cb) {\n  if (data) {\n    const
length = toBuffer(data).length;\n    //\n    // The `_bufferedAmount` property is used only when the peer is a client
and\n    // the opening handshake fails. Under these circumstances, in fact, the\n    // `setSocket()` method is not
called, so the `_socket` and `_sender`\n    // properties are set to `null`.\n    //\n    // if (websocket._socket)
websocket._sender._bufferedBytes += length;\n    else websocket._bufferedAmount += length;\n  }\n\n  if (cb) {\n
const err = new Error(\n    `WebSocket is not open: readyState ${websocket.readyState}` +\n
`\n` +\n    `${readyStates[websocket.readyState]}`\n    );\n    cb(err);\n  }\n}\n\n/**\n * The listener of the `Receiver`
`conclude` event.\n *\n * @param {Number} code The status code\n *\n * @param {String} reason The reason for
closing\n *\n * @private\n */\nfunction receiverOnConclude(code, reason) {\n  const websocket =
this[kWebSocket];\n\n  websocket._socket.removeListener('data', socketOnData);\n\n  websocket._socket.resume();\n\n  websocket._closeFrameReceived = true;\n  websocket._closeMessage = reason;\n
websocket._closeCode = code;\n\n  if (code === 1005) websocket.close();\n  else websocket.close(code,
reason);\n}\n\n/**\n * The listener of the `Receiver` `drain` event.\n *\n * @private\n */\nfunction
receiverOnDrain() {\n  this[kWebSocket]._socket.resume();\n}\n\n/**\n * The listener of the `Receiver` `error`
event.\n *\n * @param {(RangeError|Error)} err The emitted error\n *\n * @private\n */\nfunction receiverOnError(err)
{\n  const websocket = this[kWebSocket];\n\n  websocket._socket.removeListener('data', socketOnData);\n\n
websocket.readyState = WebSocket.CLOSING;\n  websocket._closeCode = err[kStatusCode];\n\n  websocket.emit('error', err);\n  websocket._socket.destroy();\n}\n\n/**\n * The listener of the `Receiver` `finish`
event.\n *\n * @private\n */\nfunction receiverOnFinish() {\n  this[kWebSocket].emitClose();\n}\n\n/**\n * The
listener of the `Receiver` `message` event.\n *\n * @param {(String|Buffer|ArrayBuffer|Buffer[]) data The
message\n *\n * @private\n */\nfunction receiverOnMessage(data) {\n  this[kWebSocket].emit('message',
data);\n}\n\n/**\n * The listener of the `Receiver` `ping` event.\n *\n * @param {Buffer} data The data included in
the ping frame\n *\n * @private\n */\nfunction receiverOnPing(data) {\n  const websocket = this[kWebSocket];\n\n
websocket.pong(data, !websocket._isServer, NOOP);\n  websocket.emit('ping', data);\n}\n\n/**\n * The listener of
the `Receiver` `pong` event.\n *\n * @param {Buffer} data The data included in the pong frame\n *\n * @private\n
*/\nfunction receiverOnPong(data) {\n  this[kWebSocket].emit('pong', data);\n}\n\n/**\n * The listener of the

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`net.Socket` `close` event.\n *\n * @private\n */\nfunction socketOnClose() {\n  const websocket =
this[kWebSocket];\n\n  this.removeListener('close', socketOnClose);\n  this.removeListener('end',
socketOnEnd);\n\n  websocket.readyState = WebSocket.CLOSING;\n\n  /\n // The close frame might not have
been received or the `end` event emitted,\n // for example, if the socket was destroyed due to an error. Ensure that
the\n // `receiver` stream is closed after writing any remaining buffered data to\n // it. If the readable side of the
socket is in flowing mode then there is no\n // buffered data as everything has been already written and
`readable.read()`\n // will return `null`. If instead, the socket is paused, any possible buffered\n // data will be read
as a single chunk and emitted synchronously in a single\n // `data` event.\n /\n websocket._socket.read();\n
websocket._receiver.end();\n\n  this.removeListener('data', socketOnData);\n  this[kWebSocket] = undefined;\n\n
clearTimeout(websocket._closeTimer);\n\n  if (\n    websocket._receiver._writableState.finished ||\n
websocket._receiver._writableState.errorEmitted\n  ) {\n    websocket.emitClose();\n  } else {\n
websocket._receiver.on('error', receiverOnFinish);\n    websocket._receiver.on('finish', receiverOnFinish);\n
  }\n}\n\n/**\n * The listener of the `net.Socket` `data` event.\n *\n * @param {Buffer} chunk A chunk of data\n *
@param {Function} socketOnData(chunk) {\n  if (!this[kWebSocket]._receiver.write(chunk)) {\n
this.pause();\n  }\n}\n\n/**\n * The listener of the `net.Socket` `end` event.\n *\n * @private\n */\nfunction
socketOnEnd() {\n  const websocket = this[kWebSocket];\n\n  websocket.readyState = WebSocket.CLOSING;\n
websocket._receiver.end();\n  this.end();\n}\n\n/**\n * The listener of the `net.Socket` `error` event.\n *\n *
@param {Function} socketOnError() {\n  const websocket = this[kWebSocket];\n\n  this.removeListener('error',
socketOnError);\n  this.on('error', NOOP);\n\n  if (websocket) {\n    websocket.readyState =
WebSocket.CLOSING;\n    this.destroy();\n  }\n}\n\n", "module.exports = require(\"events\");", "module.exports =
require(\"https\");", "use strict";\n\nconst { Writable } = require('stream');\n\nconst PerMessageDeflate =
require('./permessage-deflate');\n\nconst { BINARY_TYPES, EMPTY_BUFFER, kStatusCode, kWebSocket } = require('./constants');\n\nconst { concat, toArrayBuffer, unmask } = require('./buffer-util');\n\nconst {
isValidStatusCode, isValidUTF8 } = require('./validation');\n\nconst GET_INFO = 0;\n\nconst
GET_PAYLOAD_LENGTH_16 = 1;\n\nconst GET_PAYLOAD_LENGTH_64 = 2;\n\nconst GET_MASK = 3;\n\nconst
GET_DATA = 4;\n\nconst INFLATING = 5;\n\n/**\n * HyBi Receiver implementation.\n *\n * @extends
stream.Writable\n */\n\nclass Receiver extends Writable {\n  /**\n   * Creates a Receiver instance.\n   *\n   * @param
{String} binaryType The type for binary data\n   * @param {Object} extensions An object containing the negotiated
extensions\n   * @param {Number} maxPayload The maximum allowed message length\n   */\n\n  constructor(binaryType, extensions, maxPayload) {\n    super();\n\n    this._binaryType = binaryType ||
BINARY_TYPES[0];\n\n    this[kWebSocket] = undefined;\n\n    this._extensions = extensions || {};\n\n    this._maxPayload = maxPayload || 0;\n\n    this._bufferedBytes = 0;\n\n    this._buffers = [];\n\n    this._compressed =
false;\n\n    this._payloadLength = 0;\n\n    this._mask = undefined;\n\n    this._fragmented = 0;\n\n    this._masked =
false;\n\n    this._fin = false;\n\n    this._opcode = 0;\n\n    this._totalPayloadLength = 0;\n\n    this._messageLength = 0;\n\n    this._fragments = [];\n\n    this._state = GET_INFO;\n\n    this._loop = false;\n  }\n\n  /**\n   * Implements
`Writable.prototype._write()`.\n   *\n   * @param {Buffer} chunk The chunk of data to write\n   * @param {String}
encoding The character encoding of `chunk`\n   * @param {Function} cb Callback\n   */\n\n  _write(chunk, encoding,
cb) {\n    if (this._opcode === 0x08 && this._state === GET_INFO) return cb();\n\n    this._bufferedBytes +=
chunk.length;\n\n    this._buffers.push(chunk);\n\n    this.startLoop(cb);\n  }\n\n  /**\n   * Consumes `n` bytes from the
buffered data.\n   *\n   * @param {Number} n The number of bytes to consume\n   * @return {Buffer} The
consumed bytes\n   * @private\n   */\n\n  consume(n) {\n    this._bufferedBytes -= n;\n\n    if (n ===
this._buffers[0].length) return this._buffers.shift();\n\n    if (n < this._buffers[0].length) {\n      const buf =
this._buffers[0];\n\n      this._buffers[0] = buf.slice(n);\n\n      return buf.slice(0, n);\n    }\n\n    const dst =
Buffer.allocUnsafe(n);\n\n    do {\n      const buf = this._buffers[0];\n\n      const offset = dst.length - n;\n\n      if (n >=
buf.length) {\n        dst.set(this._buffers.shift(), offset);\n      } else {\n        dst.set(new Uint8Array(buf.buffer,
buf.byteOffset, n), offset);\n\n        this._buffers[0] = buf.slice(n);\n      }\n\n      n -= buf.length;\n    } while (n >
0);\n\n    return dst;\n  }\n\n  /**\n   * Starts the parsing loop.\n   *\n   * @param {Function} cb Callback\n   *
@param {Function} startLoop(cb) {\n    let err;\n\n    this._loop = true;\n\n    do {\n      switch (this._state) {\n        case

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GET_INFO:\n      err = this.getInfo();\n      break;\n      case GET_PAYLOAD_LENGTH_16:\n      err =
this.getPayloadLength16();\n      break;\n      case GET_PAYLOAD_LENGTH_64:\n      err =
this.getPayloadLength64();\n      break;\n      case GET_MASK:\n      this.getMask();\n      break;\n      case
GET_DATA:\n      err = this.getData(cb);\n      break;\n      default:\n      // `INFLATING`\n      this._loop
= false;\n      return;\n      }\n    } while (this._loop);\n    cb(err);\n  }\n\n  /**\n   * Reads the first two bytes of a
frame.\n   * @return {(RangeError|undefined)} A possible error\n   * @private\n   */\n  getMask() {\n    if
(this._bufferedBytes < 2) {\n      this._loop = false;\n      return;\n    }\n\n    const buf = this.consume(2);\n\n    if
((buf[0] & 0x30) !== 0x00) {\n      this._loop = false;\n      return error(RangeError, 'RSV2 and RSV3 must be clear',
true, 1002);\n    }\n\n    const compressed = (buf[0] & 0x40) === 0x40;\n\n    if (compressed &&
!this._extensions[PerMessageDeflate.extensionName]) {\n      this._loop = false;\n      return error(RangeError,
'RSV1 must be clear', true, 1002);\n    }\n\n    this._fin = (buf[0] & 0x80) === 0x80;\n    this._opcode = buf[0] &
0x0f;\n    this._payloadLength = buf[1] & 0x7f;\n\n    if (this._opcode === 0x00) {\n      if (compressed) {\n
this._loop = false;\n      return error(RangeError, 'RSV1 must be clear', true, 1002);\n      }\n\n      if
(!this._fragmented) {\n        this._loop = false;\n        return error(RangeError, 'invalid opcode 0', true, 1002);\n
      }\n\n      this._opcode = this._fragmented;\n    } else if (this._opcode === 0x01 || this._opcode === 0x02) {\n      if
(this._fragmented) {\n        this._loop = false;\n        return error(RangeError, `invalid opcode ${this._opcode}`, true,
1002);\n      }\n\n      this._compressed = compressed;\n    } else if (this._opcode > 0x07 && this._opcode < 0x0b)
{\n      if (!this._fin) {\n        this._loop = false;\n        return error(RangeError, 'FIN must be set', true, 1002);\n
      }\n\n      if (compressed) {\n        this._loop = false;\n        return error(RangeError, 'RSV1 must be clear', true,
1002);\n      }\n\n      if (this._payloadLength > 0x7d) {\n        this._loop = false;\n        return error(\n
RangeError,\n          `invalid payload length ${this._payloadLength}`,\n          true,\n          1002\n        );\n      }\n    }
else {\n      this._loop = false;\n      return error(RangeError, `invalid opcode ${this._opcode}`, true, 1002);\n    }\n\n
if (!this._fin && !this._fragmented) this._fragmented = this._opcode;\n    this._masked = (buf[1] & 0x80) ===
0x80;\n\n    if (this._payloadLength === 126) this._state = GET_PAYLOAD_LENGTH_16;\n    else if
(this._payloadLength === 127) this._state = GET_PAYLOAD_LENGTH_64;\n    else return this.haveLength();\n  }\n\n  /**\n   * Gets extended payload length (7+16).\n   * @return {(RangeError|undefined)} A possible
error\n   * @private\n   */\n  getPayloadLength16() {\n    if (this._bufferedBytes < 2) {\n      this._loop = false;\n
return;\n    }\n\n    this._payloadLength = this.consume(2).readUInt16BE(0);\n    return this.haveLength();\n  }\n\n  /**\n   * Gets extended payload length (7+64).\n   * @return {(RangeError|undefined)} A possible error\n   *
@private\n   */\n  getPayloadLength64() {\n    if (this._bufferedBytes < 8) {\n      this._loop = false;\n      return;\n
    }\n\n    const buf = this.consume(8);\n    const num = buf.readUInt32BE(0);\n\n    //\n    // The maximum safe integer
in JavaScript is 2^53 - 1. An error is returned\n    // if payload length is greater than this number.\n    //\n    if (num >
Math.pow(2, 53 - 32) - 1) {\n      this._loop = false;\n      return error(\n        RangeError,\n        'Unsupported
WebSocket frame: payload length > 2^53 - 1',\n        false,\n        1009\n      );\n    }\n\n    this._payloadLength =
num * Math.pow(2, 32) + buf.readUInt32BE(4);\n    return this.haveLength();\n  }\n\n  /**\n   * Payload length has
been read.\n   * @return {(RangeError|undefined)} A possible error\n   * @private\n   */\n  haveLength() {\n    if
(this._payloadLength && this._opcode < 0x08) {\n      this._totalPayloadLength += this._payloadLength;\n      if
(this._totalPayloadLength > this._maxPayload && this._maxPayload > 0) {\n        this._loop = false;\n        return
error(RangeError, 'Max payload size exceeded', false, 1009);\n      }\n    }\n\n    if (this._masked) this._state =
GET_MASK;\n    else this._state = GET_DATA;\n  }\n\n  /**\n   * Reads mask bytes.\n   * @private\n   */\n  getMask() {\n    if
(this._bufferedBytes < 4) {\n      this._loop = false;\n      return;\n    }\n\n    this._mask =
this.consume(4);\n    this._state = GET_DATA;\n  }\n\n  /**\n   * Reads data bytes.\n   * @param {Function}
cb Callback\n   * @return {(Error|RangeError|undefined)} A possible error\n   * @private\n   */\n  getData(cb) {\n    let
data = EMPTY_BUFFER;\n\n    if (this._payloadLength) {\n      if (this._bufferedBytes < this._payloadLength)
{\n        this._loop = false;\n        return;\n      }\n\n      data = this.consume(this._payloadLength);\n      if
(this._masked) unmask(data, this._mask);\n    }\n\n    if (this._opcode > 0x07) return this.controlMessage(data);\n\n
if (this._compressed) {\n      this._state = INFLATING;\n      this.decompress(data, cb);\n      return;\n    }\n\n    if
(data.length) {\n      //\n      // This message is not compressed so its length is the sum of the payload\n      // length of

```

```

all fragments.\n  /\n  this._messageLength = this._totalPayloadLength;\n  this._fragments.push(data);\n}\n\n return this.dataMessage();\n }\n\n /**\n  * Decompresses data.\n  *\n  * @param {Buffer} data  
Compressed data\n  * @param {Function} cb Callback\n  * @private\n  */\n decompress(data, cb) {\n  const  
perMessageDeflate = this._extensions[PerMessageDeflate.extensionName];\n\n  perMessageDeflate.decompress(data, this._fin, (err, buf) => {\n    if (err) return cb(err);\n\n    if (buf.length) {\n      this._messageLength += buf.length;\n      if (this._messageLength > this._maxPayload && this._maxPayload > 0)\n        {\n          return cb(\n            error(RangeError, 'Max payload size exceeded', false, 1009)\n          );\n        }\n\n      this._fragments.push(buf);\n    }\n\n    const er = this.dataMessage();\n    if (er) return cb(er);\n\n    this.startLoop(cb);\n  });\n}\n\n /**\n  * Handles a data message.\n  *\n  * @return {(Error|undefined)} A  
possible error\n  * @private\n  */\n dataMessage() {\n  if (this._fin) {\n    const messageLength =  
this._messageLength;\n    const fragments = this._fragments;\n\n    this._totalPayloadLength = 0;\n    this._messageLength = 0;\n    this._fragmented = 0;\n    this._fragments = [];\n\n    if (this._opcode === 2) {\n      let data;\n\n      if (this._binaryType === 'nodebuffer') {\n        data = concat(fragments, messageLength);\n      }  
else if (this._binaryType === 'arraybuffer') {\n        data = toArrayBuffer(concat(fragments, messageLength));\n      }  
else {\n        data = fragments;\n      }\n\n      this.emit('message', data);\n    } else {\n      const buf =  
concat(fragments, messageLength);\n\n      if (!isValidUTF8(buf)) {\n        this._loop = false;\n        return  
error(Error, 'invalid UTF-8 sequence', true, 1007);\n      }\n\n      this.emit('message', buf.toString());\n    }\n  }\n\n  this._state = GET_INFO;\n}\n\n /**\n  * Handles a control message.\n  *\n  * @param {Buffer} data  
Data to handle\n  * @return {(Error|RangeError|undefined)} A possible error\n  * @private\n  */\n controlMessage(data) {\n  if (this._opcode === 0x08) {\n    this._loop = false;\n\n    if (data.length === 0) {\n      this.emit('conclude', 1005, '');\n      this.end();\n    } else if (data.length === 1) {\n      return error(RangeError,  
'invalid payload length 1', true, 1002);\n    } else {\n      const code = data.readUInt16BE(0);\n\n      if  
(!isValidStatusCode(code)) {\n        return error(RangeError, `invalid status code ${code}`, true, 1002);\n      }\n\n      const buf = data.slice(2);\n\n      if (!isValidUTF8(buf)) {\n        return error(Error, 'invalid UTF-8 sequence',  
true, 1007);\n      }\n\n      this.emit('conclude', code, buf.toString());\n      this.end();\n    } else if  
(this._opcode === 0x09) {\n      this.emit('ping', data);\n    } else {\n      this.emit('pong', data);\n    }\n  }\n\n  this._state  
= GET_INFO;\n}\n\n\nmodule.exports = Receiver;\n\n /**\n  * Builds an error object.\n  *\n  * @param  
{(Error|RangeError)} ErrorCtor The error constructor\n  * @param {String} message The error message\n  *  
@param {Boolean} prefix Specifies whether or not to add a default prefix to\n  * `message`\n  * @param  
{Number} statusCode The status code\n  * @return {(Error|RangeError)} The error\n  * @private\n  */\nfunction  
error(ErrorCtor, message, prefix, statusCode) {\n  const err = new ErrorCtor(\n    prefix ? `Invalid WebSocket  
frame: ${message}` : message\n  );\n\n  Error.captureStackTrace(err, error);\n  err[kStatusCode] = statusCode;\n\n  return err;\n}\n\n","module.exports = require('stream');","use strict";\n\ntry {\n  const isValidUTF8 = require('utf-8-  
validate');\n\n  exports.isValidUTF8 =\n    typeof isValidUTF8 === 'object'\n    ?  
isValidUTF8.Validation.isValidUTF8 // utf-8-validate@<3.0.0\n    : isValidUTF8;\n} catch (e) /* istanbul ignore  
next */ {\n  exports.isValidUTF8 = () => true;\n}\n\n /**\n  * Checks if a status code is allowed in a close frame.\n  *\n  * @param {Number} code The status code\n  * @return {Boolean} `true` if the status code is valid, else `false`\n  *  
@public\n  */\nexports.isValidStatusCode = (code) => {\n  return (\n    (code >= 1000 &&\n    code <= 1013  
&&\n    code !== 1004 &&\n    code !== 1005 &&\n    code !== 1006) ||\n    (code >= 3000 &&\n    code <= 4999)\n  );\n};\n\n","use strict";\n\nconst { randomFillSync } = require('crypto');\n\nconst PerMessageDeflate =  
require('./permessage-deflate');\n\nconst { EMPTY_BUFFER } = require('./constants');\n\nconst { isValidStatusCode } =  
require('./validation');\n\nconst { mask: applyMask, toBuffer } = require('./buffer-util');\n\nconst mask =  
Buffer.alloc(4);\n\n /**\n  * HyBi Sender implementation.\n  */\n\nclass Sender {\n  /**\n   * Creates a Sender  
instance.\n   *\n   * @param {net.Socket} socket The connection socket\n   * @param {Object} extensions An  
object containing the negotiated extensions\n   */\n  constructor(socket, extensions) {\n    this._extensions =  
extensions || {};\n    this._socket = socket;\n    this._firstFragment = true;\n    this._compress = false;\n\n    this._bufferedBytes = 0;\n    this._deflating = false;\n    this._queue = [];\n  }\n\n  /**\n   * Frames a piece of data  
according to the HyBi WebSocket protocol.\n   *\n   * @param {Buffer} data The data to frame\n   * @param

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{Object} options Options object\n * @param {Number} options.opcode The opcode\n * @param {Boolean}
options.readOnly Specifies whether `data` can be modified\n * @param {Boolean} options.fin Specifies whether
or not to set the FIN bit\n * @param {Boolean} options.mask Specifies whether or not to mask `data`\n *
@param {Boolean} options.rsv1 Specifies whether or not to set the RSV1 bit\n * @return {Buffer[]} The framed
data as a list of `Buffer` instances\n * @public\n */\n static frame(data, options) {\n   const merge =
options.mask && options.readOnly;\n   let offset = options.mask ? 6 : 2;\n   let payloadLength = data.length;\n   if (data.length >= 65536) {\n     offset += 8;\n     payloadLength = 127;\n   } else if (data.length > 125) {\n
offset += 2;\n     payloadLength = 126;\n   }\n   const target = Buffer.allocUnsafe(merge ? data.length + offset :
offset);\n   target[0] = options.fin ? options.opcode | 0x80 : options.opcode;\n   if (options.rsv1) target[0] |=
0x40;\n   target[1] = payloadLength;\n   if (payloadLength === 126) {\n     target.writeUInt16BE(data.length,
2);\n   } else if (payloadLength === 127) {\n     target.writeUInt32BE(0, 2);\n     target.writeUInt32BE(data.length,
6);\n   }\n   if (!options.mask) return [target, data];\n   randomFillSync(mask, 0, 4);\n   target[1] |= 0x80;\n   target[offset - 4] = mask[0];\n   target[offset - 3] = mask[1];\n   target[offset - 2] = mask[2];\n   target[offset - 1] =
mask[3];\n   if (merge) {\n     applyMask(data, mask, target, offset, data.length);\n     return [target];\n   }\n   applyMask(data, mask, data, 0, data.length);\n   return [target, data];\n }\n\n /**\n  * Sends a close message to the
other peer.\n  *\n  * @param {(Number|undefined)} code The status code component of the body\n  * @param
{String} data The message component of the body\n  * @param {Boolean} mask Specifies whether or not to mask
the message\n  * @param {Function} cb Callback\n  * @public\n  */\n close(code, data, mask, cb) {\n   let
buf;\n   if (code === undefined) {\n     buf = EMPTY_BUFFER;\n   } else if (typeof code !== 'number' ||
!isValidStatusCode(code)) {\n     throw new TypeError('First argument must be a valid error code number');\n   }
else if (data === undefined || data === '') {\n     buf = Buffer.allocUnsafe(2);\n     buf.writeUInt16BE(code, 0);\n
  } else {\n     buf = Buffer.allocUnsafe(2 + Buffer.byteLength(data));\n     buf.writeUInt16BE(code, 0);\n
buf.write(data, 2);\n   }\n   if (this._deflating) {\n     this.enqueue([this.doClose, buf, mask, cb]);\n   } else {\n
this.doClose(buf, mask, cb);\n   }\n }\n\n /**\n  * Frames and sends a close message.\n  *\n  * @param {Buffer}
data The message to send\n  * @param {Boolean} mask Specifies whether or not to mask `data`\n  * @param
{Function} cb Callback\n  * @private\n  */\n doClose(data, mask, cb) {\n   this.sendFrame(\n
Sender.frame(data, {\n     fin: true,\n     rsv1: false,\n     opcode: 0x08,\n     mask,\n     readOnly: false\n
}),\n   cb\n );\n }\n\n /**\n  * Sends a ping message to the other peer.\n  *\n  * @param {*} data The message
to send\n  * @param {Boolean} mask Specifies whether or not to mask `data`\n  * @param {Function} cb
Callback\n  * @public\n  */\n ping(data, mask, cb) {\n   const buf = toBuffer(data);\n   if (this._deflating) {\n
this.enqueue([this.doPing, buf, mask, toBuffer.readOnly, cb]);\n   } else {\n     this.doPing(buf, mask,
toBuffer.readOnly, cb);\n   }\n }\n\n /**\n  * Frames and sends a ping message.\n  *\n  * @param {*} data The
message to send\n  * @param {Boolean} mask Specifies whether or not to mask `data`\n  * @param {Boolean}
readOnly Specifies whether `data` can be modified\n  * @param {Function} cb Callback\n  * @private\n  */\n
doPing(data, mask, readOnly, cb) {\n   this.sendFrame(\n     Sender.frame(data, {\n       fin: true,\n       rsv1:
false,\n       opcode: 0x09,\n       mask,\n       readOnly\n     }),\n     cb\n );\n }\n\n /**\n  * Sends a pong
message to the other peer.\n  *\n  * @param {*} data The message to send\n  * @param {Boolean} mask
Specifies whether or not to mask `data`\n  * @param {Function} cb Callback\n  * @public\n  */\n pong(data,
mask, cb) {\n   const buf = toBuffer(data);\n   if (this._deflating) {\n     this.enqueue([this.doPong, buf, mask,
toBuffer.readOnly, cb]);\n   } else {\n     this.doPong(buf, mask, toBuffer.readOnly, cb);\n   }\n }\n\n /**\n
  * Frames and sends a pong message.\n  *\n  * @param {*} data The message to send\n  * @param {Boolean} mask
Specifies whether or not to mask `data`\n  * @param {Boolean} readOnly Specifies whether `data` can be
modified\n  * @param {Function} cb Callback\n  * @private\n  */\n doPong(data, mask, readOnly, cb) {\n   this.sendFrame(\n
Sender.frame(data, {\n     fin: true,\n     rsv1: false,\n     opcode: 0x0a,\n     mask,\n     readOnly\n   }),\n
cb\n );\n }\n\n /**\n  * Sends a data message to the other peer.\n  *\n  * @param {*} data The message to send\n
  * @param {Object} options Options object\n  * @param {Boolean} options.compress Specifies whether or not to
compress `data`\n  * @param {Boolean} options.binary Specifies whether `data` is
binary or text\n  * @param {Boolean} options.fin Specifies whether the fragment is the last one\n  * @param

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{Boolean} options.mask Specifies whether or not to mask `data`
 * @param {Function} cb Callback
 *
@public
 */
send(data, options, cb) {
  const buf = toBuffer(data);
  const perMessageDeflate =
  this._extensions[PerMessageDeflate.extensionName];
  let opcode = options.binary ? 2 : 1;
  let rsv1 =
  options.compress;
  if (this._firstFragment) {
    this._firstFragment = false;
    if (rsv1 &&
    perMessageDeflate) {
      rsv1 = buf.length >= perMessageDeflate._threshold;
    }
    this._compress =
    rsv1;
  } else {
    rsv1 = false;
    opcode = 0;
  }
  if (options.fin) this._firstFragment = true;
  if
  (perMessageDeflate) {
    const opts = {
      fin: options.fin,
      rsv1,
      opcode,
      mask:
      options.mask,
      readOnly: toBuffer.readOnly
    };
    if (this._deflating) {
      this.enqueue([this.dispatch, buf, this._compress, opts, cb]);
    } else {
      this.dispatch(buf, this._compress,
      opts, cb);
    }
  } else {
    this.sendFrame(
      Sender.frame(buf, {
        fin: options.fin,
        rsv1:
        false,
        opcode,
        mask: options.mask,
        readOnly: toBuffer.readOnly
      }),
      cb
    );
  }
}
/**
 * Dispatches a data message.
 *
 * @param {Buffer} data The message to send
 * @param
 * {Boolean} compress Specifies whether or not to compress `data`
 * @param {Object} options Options object
 * @param
 * {Number} options.opcode The opcode
 * @param {Boolean} options.readOnly Specifies whether
 * `data` can be modified
 * @param {Boolean} options.fin Specifies whether or not to set the FIN bit
 * @param
 * {Boolean} options.mask Specifies whether or not to mask `data`
 * @param {Boolean} options.rsv1 Specifies
 * whether or not to set the RSV1 bit
 * @param {Function} cb Callback
 * @private
 */
dispatch(data,
compress, options, cb) {
  if (!compress) {
    this.sendFrame(Sender.frame(data, options), cb);
    return;
  }
  const perMessageDeflate = this._extensions[PerMessageDeflate.extensionName];
  this._deflating =
  true;
  perMessageDeflate.compress(data, options.fin, (_, buf) => {
    this._deflating = false;
    options.readOnly = false;
    this.sendFrame(Sender.frame(buf, options), cb);
    this.dequeue();
  });
}
/**
 * Executes queued send operations.
 *
 * @private
 */
dequeue() {
  while (!this._deflating &&
  this._queue.length) {
    const params = this._queue.shift();
    this._bufferedBytes -= params[1].length;
    Reflect.apply(params[0], this, params.slice(1));
  }
}
/**
 * Enqueues a send operation.
 *
 * @param {Array} params Send operation parameters.
 * @private
 */
enqueue(params) {
  this._bufferedBytes += params[1].length;
  this._queue.push(params);
}
/**
 * Sends a frame.
 *
 * @param {Buffer[]} list The frame to send
 * @param {Function} cb Callback
 * @private
 */
sendFrame(list, cb) {
  if (list.length === 2) {
    this._socket.cork();
    this._socket.write(list[0]);
    this._socket.write(list[1], cb);
    this._socket.uncork();
  } else {
    this._socket.write(list[0], cb);
  }
}
module.exports = Sender;
"use strict";
// Allowed token characters:
// '!', '#', '$', '%', '&', "'", '*',
'+', '-',
// '!', 0-9, A-Z, '\u0027', '\u005F', '\u007E',
'a-z', '|',
// '~'
// tokenChars[32] === 0 // ' '
// tokenChars[33] === 1 // '!'
// tokenChars[34] === 0 // '"'
// ...
// prettier-ignore
const tokenChars = [
  0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
  0, 0, // 0 - 15
  0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, // 16 - 31
  0, 1, 0, 1, 1, 1, 1, 1, 0, 0, 1, 1, 0, 1, 1, 0, // 32 -
  47
  1, 1, 1, 1, 1, 1, 1, 1, 1, 0, 0, 0, 0, 0, 0, // 48 - 63
  0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, // 64 - 79
  1, 1,
  1, 1, 1, 1, 1, 1, 1, 0, 0, 0, 1, 1, // 80 - 95
  1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, // 96 - 111
  1, 1, 1, 1, 1, 1,
  1, 1, 1, 1, 0, 1, 0, 1, 0 // 112 - 127
];
/**
 * Adds an offer to the map of extension offers or a parameter to the
 * map of
 * parameters.
 *
 * @param {Object} dest The map of extension offers or parameters
 * @param
 * {String} name The extension or parameter name
 * @param {(Object|Boolean|String)} elem The extension
 * parameters or the
 * parameter value
 * @private
 */
function push(dest, name, elem) {
  if (dest[name] ===
  undefined) dest[name] = [elem];
  else dest[name].push(elem);
}
/**
 * Parses the `Sec-WebSocket-
 * Extensions` header into an object.
 *
 * @param {String} header The field value of the header
 * @return
 * {Object} The parsed object
 * @public
 */
function parse(header) {
  const offers = Object.create(null);
  if
  (header === undefined || header === "") return offers;
  let params = Object.create(null);
  let mustUnescape =
  false;
  let isEscaping = false;
  let inQuotes = false;
  let extensionName;
  let paramName;
  let start = -1;
  let end = -1;
  let i = 0;
  for (; i < header.length; i++) {
    const code = header.charCodeAt(i);
    if
    (extensionName === undefined) {
      if (end === -1 && tokenChars[code] === 1) {
        if (start === -1) start =
        i;
      }
    } else if (code === 0x20 /* ' ' */ || code === 0x09 /* '\t' */) {
      if (end === -1 && start !== -1) end = i;
    }
    else if (code === 0x3b /* ';' */ || code === 0x2c /* ',' */) {
      if (start === -1) {
        throw new

```

```

SyntaxError(`Unexpected character at index ${i}`);
}
if (end === -1) end = i;
const name =
header.slice(start, end);
if (code === 0x2c) {
push(offers, name, params);
params =
Object.create(null);
} else {
extensionName = name;
}
start = end = -1;
} else {
throw new SyntaxError(`Unexpected character at index ${i}`);
}
else if (paramName === undefined)
if (end === -1 && tokenChars[code] === 1)
if (start === -1) start = i;
else if (code === 0x20 ||
code === 0x09)
if (end === -1 && start !== -1) end = i;
else if (code === 0x3b || code === 0x2c) {
if (start === -1)
throw new SyntaxError(`Unexpected character at index ${i}`);
}
if (end
=== -1) end = i;
push(params, header.slice(start, end), true);
if (code === 0x2c)
push(offers,
extensionName, params);
params = Object.create(null);
extensionName = undefined;
}
start = end = -1;
} else if (code === 0x3d /* '=' */ && start !== -1 && end === -1)
paramName =
header.slice(start, i);
start = end = -1;
} else {
throw new SyntaxError(`Unexpected character at
index ${i}`);
}
else {
//
// The value of a quoted-string after unescaping must conform to the
// token ABNF, so only token characters are valid.
// Ref: https://tools.ietf.org/html/rfc6455#section-9.1
//
if (isEscaping)
if (tokenChars[code] !== 1)
throw new SyntaxError(`Unexpected character
at index ${i}`);
if (start === -1) start = i;
else if (!mustUnescape) mustUnescape = true;
isEscaping = false;
} else if (inQuotes)
if (tokenChars[code] === 1)
if (start === -1) start =
i;
} else if (code === 0x22 /* '"' */ && start !== -1)
inQuotes = false;
end = i;
} else if
(code === 0x5c /* '\' */ )
isEscaping = true;
} else {
throw new SyntaxError(`Unexpected
character at index ${i}`);
}
else if (code === 0x22 && header.charCodeAt(i - 1) === 0x3d)
inQuotes = true;
} else if (end === -1 && tokenChars[code] === 1)
if (start === -1) start = i;
}
else if (start !== -1 && (code === 0x20 || code === 0x09))
if (end === -1) end = i;
else if (code ===
0x3b || code === 0x2c)
if (start === -1)
throw new SyntaxError(`Unexpected character at index
${i}`);
}
if (end === -1) end = i;
let value = header.slice(start, end);
if (mustUnescape)
value = value.replace(/\\/g, "");
mustUnescape = false;
}
push(params, paramName,
value);
if (code === 0x2c)
push(offers, extensionName, params);
params =
Object.create(null);
extensionName = undefined;
}
paramName = undefined;
start = end
= -1;
} else {
throw new SyntaxError(`Unexpected character at index ${i}`);
}
}
}
if
(start === -1 || inQuotes)
throw new SyntaxError(`Unexpected end of input`);
if (end === -1) end =
i;
const token = header.slice(start, end);
if (extensionName === undefined)
push(offers, token, params);
} else {
if (paramName === undefined)
push(params, token, true);
} else if (mustUnescape)
push(params, paramName, token.replace(/\\/g, ""));
} else {
push(params, paramName, token);
}
push(offers, extensionName, params);
}
return offers;
}

/** Builds the `Sec-WebSocket-Extensions`
header field value.
@param {Object} extensions The map of extensions and parameters to format
*
@return {String} A string representing the given object
*
@public
*/
function format(extensions) {
return
Object.keys(extensions)
.map((extension) => {
let configurations = extensions[extension];
if
(!Array.isArray(configurations)) configurations = [configurations];
return configurations
.map((params)
=> {
return [extension]
.concat(
Object.keys(params).map((k) => {
let values
= params[k];
if (!Array.isArray(values)) values = [values];
return values
.map((v)
=> (v === true ? k : `${k}=${v}`))
.join('; ');
}
}))
.join('; ');
}
))
.join('; ');
}
}
module.exports = { format, parse };

'use
strict';
Object.defineProperty(exports, '__esModule', { value: true });
exports.ByteFormatter =
exports.TimeFormatter = exports.RawValueFormatter = void 0;
const utils_1 = require('./utils');
class
RawValueFormatter {
constructor() {
this.unit = 'none';
}
format(v) {
return
v.toLocaleString();
}
}
exports.RawValueFormatter = RawValueFormatter;
class TimeFormatter {
constructor(unit) {
this.unit = unit;
if (unit === 'nanoseconds')
this.multiplier = 1e-9;
else
if (unit === 'microseconds')
this.multiplier = 1e-6;
else if (unit === 'milliseconds')
this.multiplier = 1e-3;
else
this.multiplier = 1;
}
formatUnsigned(v) {
const s = v *
this.multiplier;
if (s / 60 >= 1)
const minutes = Math.floor(s / 60);
const seconds =

```

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Math.floor(s - minutes * 60).toString();\n      return `${minutes}:${utils_1.zeroPad(seconds, 2)}\`;}\n
if (s / 1 >= 1)\n      return `${s.toFixed(2)}s\`;}\n      if (s / 1e-3 >= 1)\n      return `${(s / 1e-
3).toFixed(2)}ms\`;}\n      if (s / 1e-6 >= 1)\n      return `${(s / 1e-6).toFixed(2)}µs\`;}\n      else\n      return
`${(s / 1e-9).toFixed(2)}ns\`;}\n })\n format(v) {\n      return `${v < 0 ? '-' :
"}${this.formatUnsigned(Math.abs(v))}\`;}\n })\n\nexports.TimeFormatter = TimeFormatter;\n\nclass ByteFormatter
{\n  constructor() {\n    this.unit = 'bytes';\n  }\n  format(v) {\n    if (v < 1024)\n      return
`${v.toFixed(0)} B\`;}\n    v /= 1024;\n    if (v < 1024)\n      return `${v.toFixed(2)} KB\`;}\n    v /= 1024;\n
    if (v < 1024)\n      return `${v.toFixed(2)} MB\`;}\n    v /= 1024;\n      return `${v.toFixed(2)} GB\`;}\n
}\n}\n\nexports.ByteFormatter = ByteFormatter;\n","use strict";\n\nvar m = require('react-dom');\n\nif
(process.env.NODE_ENV === 'production') {\n  exports.createRoot = m.createRoot;\n  exports.hydrateRoot =
m.hydrateRoot;\n} else {\n  var i = m.__SECRET_INTERNALS_DO_NOT_USE_OR_YOU_WILL_BE_FIRED;\n  exports.createRoot = function (c, o) {\n    i.usingClientEntryPoint = true;\n    try {\n      return m.createRoot(c, o);\n    }
finally {\n      i.usingClientEntryPoint = false;\n    }\n  };\n  exports.hydrateRoot = function (c, h, o) {\n    i.usingClientEntryPoint = true;\n    try {\n      return m.hydrateRoot(c, h, o);\n    } finally {\n      i.usingClientEntryPoint = false;\n    }\n  };\n}\n\n","module,exports = require('util');","use strict";\n\nconst
WebSocket = require('./lib/websocket');\n\nWebSocket.createWebSocketStream =
require('./lib/stream');\n\nWebSocket.Server = require('./lib/websocket-server');\n\nWebSocket.Receiver =
require('./lib/receiver');\n\nWebSocket.Sender = require('./lib/sender');\n\n\nmodule,exports = WebSocket;\n","use
strict";\n\nvar matchOperatorsRe = /[\\]\\{\\}()\\[\\]^$+*?.]/g;\n\n\nmodule,exports = function (str) {\n  if (typeof str !==
'string') {\n    throw new TypeError('Expected a string');\n  }\n  return str.replace(matchOperatorsRe,
'\\\\$&');\n};\n\n\nvar content = require('!!./../././././node_modules/css-loader/index.js??ref--6-
1!/./Icon.css');\n\n\nif (typeof content === 'string') content = [[module.id, content, "]];\n\n\nvar transform;\n\nvar
insertInto;\n\n\n\nvar options = {"hmr": true}\n\n\noptions.transform = transform\n\n\noptions.insertInto =
undefined;\n\n\nvar update = require('!!./../././././node_modules/style-loader/lib/addStyles.js')(content,
options);\n\n\n\nif (content.locals) module.exports = content.locals;\n\n\n\nif (module.hot)
{\n  module.hot.accept('!!./../././././node_modules/css-loader/index.js??ref--6-1!/./Icon.css', function() {\n    var
newContent = require('!!./../././././node_modules/css-loader/index.js??ref--6-1!/./Icon.css');\n\n\n    if (typeof
newContent === 'string') newContent = [[module.id, newContent, "]];\n\n\n    var locals = (function(a, b) {\n      var
key, idx = 0;\n      for (key in a) {\n        if (!b || a[key] !== b[key]) return
false;\n      }\n      idx++;\n      for (key in b) idx--;\n      return idx === 0;\n    })(content.locals,
newContent.locals));\n\n\n    if (!locals) throw new Error('Aborting CSS HMR due to changed css-modules
locals.');

```

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objectProto.toString;\n\n/* Built-in method references for those with the same name as other `lodash` methods.
*\n\nvar nativeMax = Math.max,\n    nativeMin = Math.min;\n\n/**\n * Gets the timestamp of the number of milliseconds that have elapsed since\n * the Unix epoch (1 January 1970 00:00:00 UTC).\n *\n * @static\n * @memberOf _\n * @since 2.4.0\n * @category Date\n * @returns {number} Returns the timestamp.\n *\n * @example\n *\n * _defer(function(stamp) {\n *   console.log(_.now() - stamp);\n * }, _.now());\n * // => Logs the number of milliseconds it took for the deferred invocation.\n *\n\nvar now = function() {\n  return root.Date.now();\n};\n\n/**\n * Creates a debounced function that delays invoking `func` until after `wait`\n * milliseconds have elapsed since the last time the debounced function was\n * invoked. The debounced function comes with a `cancel` method to cancel\n * delayed `func` invocations and a `flush` method to immediately invoke\n * them. Provide `options` to indicate whether `func` should be invoked on the\n * leading and/or trailing edge of the `wait` timeout. The `func` is invoked\n * with the last arguments provided to the debounced function. Subsequent\n * calls to the debounced function return the result of the last `func`\n * invocation.\n *\n * **Note:** If `leading` and `trailing` options are `true`, `func` is\n * invoked on the trailing edge of the timeout only if the debounced\n * function is invoked more than once during the `wait` timeout. If `wait`\n * is `0` and `leading` is `false`, `func` invocation is deferred until to\n * the next tick, similar to `setTimeout` with a timeout of `0`. See [David\n * Corbacho's article](https://css-tricks.com/debouncing-throttling-explained-examples/)\n * for details over the differences between `_.debounce` and `_.throttle`.\n *\n * @static\n * @memberOf _\n * @since 0.1.0\n * @category Function\n * @param {Function} func The function to debounce.\n * @param {number} [wait=0] The number of milliseconds to delay.\n * @param {Object} [options={}] The options object.\n * @param {boolean} [options.leading=false] Specify invoking on the leading\n * edge of the timeout.\n * @param {number} [options.maxWait] The maximum time `func` is allowed to\n * be delayed before it's invoked.\n * @param {boolean} [options.trailing=true] Specify invoking on the trailing\n * edge of the timeout.\n * @returns {Function} Returns the new debounced function.\n *\n * @example\n *\n * // Avoid costly calculations while the window size is in flux.\n * jQuery(window).on('resize', _.debounce(calculateLayout, 150));\n *\n * // Invoke `sendMail` when clicked, debouncing subsequent calls.\n * jQuery(element).on('click', _.debounce(sendMail, 300, {\n *   'leading': true,\n *   'trailing': false\n * }));\n *\n * // Ensure `batchLog` is invoked once after 1 second of debounced calls.\n * var\n *   debounced = _.debounce(batchLog, 250, {\n *     'maxWait': 1000\n *   });\n *   var source = new EventSource('/stream');\n *   jQuery(source).on('message', debounced);\n *\n * // Cancel the trailing debounced invocation.\n * jQuery(window).on('popstate', debounced.cancel);\n *\n\nfunction debounce(func, wait, options) {\n  var lastArgs,\n      lastThis,\n      maxWait,\n      result,\n      timerId,\n      lastCallTime,\n      lastInvokeTime = 0,\n      leading = false,\n      maxing = false,\n      trailing = true;\n\n  if (typeof func != 'function') {\n    throw new TypeError(FUNC_ERROR_TEXT);\n  }\n  wait = toNumber(wait) || 0;\n  if (isObject(options)) {\n    leading = !!options.leading;\n    maxing = 'maxWait' in options;\n    maxWait = maxing ?\n      nativeMax(toNumber(options.maxWait) || 0, wait) : maxWait;\n    trailing = 'trailing' in options ? !!options.trailing : trailing;\n  }\n\n  function invokeFunc(time) {\n    var args = lastArgs,\n        thisArg = lastThis;\n\n    lastArgs =\n      lastThis = undefined;\n    lastInvokeTime = time;\n    result = func.apply(thisArg, args);\n    return result;\n  }\n\n  function leadingEdge(time) {\n    // Reset any `maxWait` timer.\n    lastInvokeTime = time;\n    // Start the timer for the trailing edge.\n    timerId = setTimeout(timerExpired, wait);\n    // Invoke the leading edge.\n    return leading ?\n      invokeFunc(time) : result;\n  }\n\n  function remainingWait(time) {\n    var timeSinceLastCall = time -\n        lastCallTime,\n        timeSinceLastInvoke = time - lastInvokeTime,\n        result = wait - timeSinceLastCall;\n\n    return maxing ? nativeMin(result, maxWait - timeSinceLastInvoke) : result;\n  }\n\n  function shouldInvoke(time) {\n    var timeSinceLastCall = time - lastCallTime,\n        timeSinceLastInvoke = time - lastInvokeTime;\n\n    // Either this is the first call, activity has stopped and we're at the\n    // trailing edge, the system time has gone backwards and we're treating\n    // it as the trailing edge, or we've hit the `maxWait` limit.\n    return (lastCallTime === undefined || (timeSinceLastCall >= wait) ||\n        (timeSinceLastCall < 0) || (maxing && timeSinceLastInvoke >= maxWait));\n  }\n\n  function timerExpired() {\n    var time = now();\n    if (shouldInvoke(time)) {\n      return trailingEdge(time);\n    }\n    // Restart the timer.\n    timerId = setTimeout(timerExpired, remainingWait(time));\n  }\n\n  function trailingEdge(time) {\n    timerId = undefined;\n\n    // Only invoke if we have `lastArgs` which means

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`func` has been\n // debounced at least once.\n if (trailing && lastArgs) {\n   return invokeFunc(time);\n }\n lastArgs = lastThis = undefined;\n return result;\n }\n\n function cancel() {\n   if (timerId !== undefined) {\n     clearTimeout(timerId);\n   }\n   lastInvokeTime = 0;\n   lastArgs = lastCallTime = lastThis = timerId =\n     undefined;\n }\n\n function flush() {\n   return timerId === undefined ? result : trailingEdge(now);\n }\n\n function debounced() {\n   var time = now(),\n       isInvoking = shouldInvoke(time);\n\n   lastArgs = arguments;\n   lastThis = this;\n   lastCallTime = time;\n\n   if (isInvoking) {\n     if (timerId === undefined) {\n       return\n         leadingEdge(lastCallTime);\n     }\n     if (maxing) {\n       // Handle invocations in a tight loop.\n       timerId =\n         setTimeout(timerExpired, wait);\n       return invokeFunc(lastCallTime);\n     }\n   }\n   if (timerId === undefined)\n     {\n       timerId = setTimeout(timerExpired, wait);\n     }\n   return result;\n }\n\n debounced.cancel = cancel;\n debounced.flush = flush;\n return debounced;\n }\n\n/**\n * Creates a throttled function that only invokes `func` at\n * most once per\n * every `wait` milliseconds. The throttled function comes with a `cancel`\n * method to cancel\n * delayed `func` invocations and a `flush` method to\n * immediately invoke them. Provide `options` to indicate\n * whether `func`\n * should be invoked on the leading and/or trailing edge of the `wait`\n * timeout. The `func` is\n * invoked with the last arguments provided to the\n * throttled function. Subsequent calls to the throttled function\n * return the\n * result of the last `func` invocation.\n *\n * **Note:** If `leading` and `trailing` options are `true`,\n * `func` is\n * invoked on the trailing edge of the timeout only if the throttled function\n * is invoked more than once\n * during the `wait` timeout.\n *\n * If `wait` is `0` and `leading` is `false`, `func` invocation is deferred\n * until the\n * next tick, similar to `setTimeout` with a timeout of `0`.\n *\n * See [David Corbacho's article](https://css-tricks.com/debouncing-throttling-explained-examples/) for details over the differences between `_.throttle` and `_.debounce`.\n *\n * @static\n * @memberOf _\n * @since 0.1.0\n * @category Function\n * @param {Function} func The function to throttle.\n * @param {number} [wait=0] The number of milliseconds to throttle invocations to.\n * @param {Object} [options={}] The options object.\n * @param {boolean} [options.leading=true] Specify invoking on the leading edge of the timeout.\n * @param {boolean} [options.trailing=true] Specify invoking on the trailing edge of the timeout.\n * @returns {Function} Returns the new throttled function.\n *\n * @example\n *\n * // Avoid excessively updating the position while scrolling.\n * jQuery(window).on('scroll',\n *   _.throttle(updatePosition, 100));\n *\n * // Invoke `renewToken` when the click event is fired, but not more than\n * once every 5 minutes.\n * var throttled = _.throttle(renewToken, 300000, { 'trailing': false });\n * jQuery(element).on('click', throttled);\n *\n * // Cancel the trailing throttled invocation.\n * jQuery(window).on('popstate', throttled.cancel);\n *\n function throttle(func, wait, options) {\n   var leading = true,\n       trailing = true;\n\n   if (typeof func != 'function') {\n     throw new TypeError(FUNC_ERROR_TEXT);\n   }\n   if (isObject(options)) {\n     leading = 'leading' in options ? !!options.leading : leading;\n     trailing = 'trailing' in options ? !!options.trailing : trailing;\n   }\n\n   return debounce(func, wait, {\n     'leading': leading,\n     'maxWait': wait,\n     'trailing': trailing\n   });\n }\n\n/**\n * Checks if `value` is the\n * [language type](http://www.ecma-international.org/ecma-262/7.0/#sec-ecmascript-language-types)\n * of `Object`. (e.g. arrays, functions, objects, regexes, `new Number(0)`, and `new String("")`)\n *\n * @static\n * @memberOf _\n * @since 0.1.0\n * @category Lang\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is an object, else `false`.\n *\n * @example\n *\n * _.isObject({});\n * // => true\n *\n * _.isObject([1, 2, 3]);\n * // => true\n *\n * _.isObject(_.noop);\n * // => true\n *\n * _.isObject(null);\n * // => false\n *\n function isObject(value) {\n   var type =\n     typeof value;\n   return !!value && (type == 'object' || type == 'function');\n }\n\n/**\n * Checks if `value` is object-like. A value is object-like if it's not `null`\n * and has a `typeof` result of `"object"`.\n *\n * @static\n * @memberOf _\n * @since 4.0.0\n * @category Lang\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is object-like, else `false`.\n *\n * @example\n *\n * _.isObjectLike({});\n * // => true\n *\n * _.isObjectLike([1, 2, 3]);\n * // => true\n *\n * _.isObjectLike(_.noop);\n * // => false\n *\n * _.isObjectLike(null);\n * // => false\n *\n function isObjectLike(value) {\n   return !!value && typeof value ==\n     'object';\n }\n\n/**\n * Checks if `value` is classified as a `Symbol` primitive or object.\n *\n * @static\n * @memberOf _\n * @since 4.0.0\n * @category Lang\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is a symbol, else `false`.\n *\n * @example\n *\n * _.isSymbol(Symbol.iterator);\n * // => true\n *\n * _.isSymbol('abc');\n * // => false\n *\n function isSymbol(value) {\n   return typeof value ==

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'symbol' ||\n  (isObjectLike(value) && objectToString.call(value) === symbolTag);\n}\n\n/**\n * Converts `value`
to a number.\n * @static\n * @memberOf _\n * @since 4.0.0\n * @category Lang\n * @param {*} value The
value to process.\n * @returns {number} Returns the number.\n * @example\n *\n * _.toNumber(3.2);\n * // =>
3.2\n *\n * _.toNumber(Number.MIN_VALUE);\n * // => 5e-324\n *\n * _.toNumber(Infinity);\n * // => Infinity\n
*\n * _.toNumber('3.2');\n * // => 3.2\n */\nfunction toNumber(value) {\n  if (typeof value === 'number') {\n    return
value;\n  }\n  if (isSymbol(value)) {\n    return NaN;\n  }\n  if (isObject(value)) {\n    var other = typeof
value.valueOf === 'function' ? value.valueOf() : value;\n    value = isObject(other) ? (other + '') : other;\n  }\n  if
(typeof value !== 'string') {\n    return value === 0 ? value : +value;\n  }\n  value = value.replace(reTrim, '');\n  var
isBinary = reIsBinary.test(value);\n  return (isBinary || reIsOctal.test(value))\n    ? freeParseInt(value.slice(2),
isBinary ? 2 : 8)\n    : (reIsBadHex.test(value) ? NAN : +value);\n}\n\nmodule.exports = throttle;\n", "\nvar content =
require("!!.../.../node_modules/css-loader/index.js??ref--6-1!/ButtonIcon.css");\n\nif(typeof content ===
'string') content = [[module.id, content, "]];\n\nvar transform;\nvar insertInto;\n\n\nvar options =
{"hmr":true}\n\noptions.transform = transform\n\noptions.insertInto = undefined;\n\nvar update =
require("!!.../.../node_modules/style-loader/lib/addStyles.js")(content, options);\n\nif(content.locals)
module.exports = content.locals;\n\nif(module.hot) {\n  module.hot.accept("!!.../.../node_modules/css-
loader/index.js??ref--6-1!/ButtonIcon.css", function() {\n    var newContent =
require("!!.../.../node_modules/css-loader/index.js??ref--6-1!/ButtonIcon.css");\n    if(typeof newContent
=== 'string') newContent = [[module.id, newContent, "]];\n    var locals = (function(a, b) {\n      var key, idx =
0;\n      for(key in a) {\n        if(!b || a[key] !== b[key]) return false;\n        idx++;\n      }\n      for(key in b) idx-
-;\n      return idx === 0;\n    })(content.locals, newContent.locals));\n    if(!locals) throw new Error('Aborting
CSS HMR due to changed css-modules
locals.);\n    update(newContent);\n  });\n  module.hot.dispose(function() { update(); });\n}", "\nvar content =
require("!!.../.../node_modules/css-loader/index.js??ref--6-1!/Tooltip.css");\n\nif(typeof content ===
'string') content = [[module.id, content, "]];\n\nvar transform;\nvar insertInto;\n\n\nvar options =
{"hmr":true}\n\noptions.transform = transform\n\noptions.insertInto = undefined;\n\nvar update =
require("!!.../.../node_modules/style-loader/lib/addStyles.js")(content, options);\n\nif(content.locals)
module.exports = content.locals;\n\nif(module.hot) {\n  module.hot.accept("!!.../.../node_modules/css-
loader/index.js??ref--6-1!/Tooltip.css", function() {\n    var newContent =
require("!!.../.../node_modules/css-loader/index.js??ref--6-1!/Tooltip.css");\n    if(typeof newContent
=== 'string') newContent = [[module.id, newContent, "]];\n    var locals = (function(a, b) {\n      var key, idx =
0;\n      for(key in a) {\n        if(!b || a[key] !== b[key]) return false;\n        idx++;\n      }\n      for(key in b) idx-
-;\n      return idx === 0;\n    })(content.locals, newContent.locals));\n    if(!locals) throw new Error('Aborting
CSS HMR due to changed css-modules
locals.);\n    update(newContent);\n  });\n  module.hot.dispose(function() { update(); });\n}", "\nvar content =
require("!!.../.../node_modules/css-loader/index.js??ref--6-1!/LoadingAnimation.css");\n\nif(typeof content ===
'string') content = [[module.id, content, "]];\n\nvar transform;\nvar insertInto;\n\n\nvar options =
{"hmr":true}\n\noptions.transform = transform\n\noptions.insertInto = undefined;\n\nvar update =
require("!!.../.../node_modules style-loader/lib/addStyles.js")(content, options);\n\nif(content.locals)
module.exports = content.locals;\n\nif(module.hot) {\n  module.hot.accept("!!.../.../node_modules/css-
loader/index.js??ref--6-1!/LoadingAnimation.css", function() {\n    var newContent =
require("!!.../.../node_modules/css-loader/index.js??ref--6-1!/LoadingAnimation.css");\n    if(typeof newContent
=== 'string') newContent = [[module.id, newContent, "]];\n    var locals = (function(a, b) {\n      var key, idx =
0;\n      for(key in a) {\n        if(!b || a[key] !== b[key]) return
false;\n        idx++;\n      }\n      for(key in b) idx--;\n      return idx === 0;\n    })(content.locals,
newContent.locals));\n    if(!locals) throw new Error('Aborting CSS HMR due to changed css-modules
locals.);\n    update(newContent);\n  });\n  module.hot.dispose(function() { update(); });\n}", "\nvar content =
require("!!.../.../node_modules/css-loader/index.js??ref--6-
1!/InspectedElementErrorBoundary.css");\n\nif(typeof content === 'string') content = [[module.id, content,

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]);\nvar transform;\nvar insertInto;\n\n\nvar options = {"hmr":true}\noptions.transform =
transform\noptions.insertInto = undefined;\nvar update = require("!../../../../../node_modules/style-
loader/lib/addStyles.js")(content, options);\n\nif(content.locals) module.exports = content.locals;\n\nif(module.hot)
{\n\tmodule.hot.accept("!../../../../../node_modules/css-loader/index.js??ref-6-
1!/InspectedElementErrorBoundary.css", function() {\n\t\tvar newContent =
require("!../../../../../node_modules/css-loader/index.js??ref-6-
1!/InspectedElementErrorBoundary.css");\n\t\tif(typeof newContent === 'string') newContent = [[module.id,
newContent, "]];\n\t\tvar locals = (function(a, b) {\n\t\t\tvar key, idx = 0;\n\t\t\tfor(key in a) {\n\t\t\t\tif(!b ||
a[key] !== b[key]) return false;\n\t\t\t\tidx++;\n\t\t\t}\n\t\t\tfor(key in b) idx--;\n\t\t\treturn idx ===
0;\n\t\t}(content.locals, newContent.locals));\n\t\tif(!locals) throw new Error('Aborting CSS HMR due to changed
css-modules locals.');

```

```

'string') content = [[module.id, content, "]];
\n\nvar transform;
\nvar insertInto;
\n\n\nvar options =
{"hmr":true}
\n\noptions.transform = transform
\noptions.insertInto = undefined;
\n\nvar update =
require("!../../../../../node_modules/style-loader/lib/addStyles.js")(content, options);
\n\nif(content.locals)
module.exports = content.locals;
\n\nif(module.hot) {
\n\tmodule.hot.accept("!../../../../../node_modules/css-
loader/index.js??ref--6-1!/EditableName.css", function() {
\n\t\tvar newContent =
require("!../../../../../node_modules/css-loader/index.js??ref--6-1!/EditableName.css");
\n\t\tif(typeof
newContent === 'string') newContent = [[module.id, newContent, "]];
\n\t\tvar locals = (function(a, b) {
\n\t\t\tvar key, idx = 0;
\n\t\t\tfor(key in a) {
\n\t\t\t\tif(!b || a[key] !== b[key]) return
false;
\n\t\t\t\tidx++;
\n\t\t\t}
\n\t\t\tfor(key in b) idx--;
\n\t\t\treturn idx === 0;
\n\t\t}(content.locals,
newContent.locals));
\n\t\tif(!locals) throw new Error('Aborting CSS HMR due to changed css-modules
locals. ');
\n\t\tupdate(newContent);
\n\t});
\n\tmodule.hot.dispose(function() {
update();
});
\n}",
\n\nvar content =
require("!../../../../../node_modules/css-loader/index.js??ref--6-1!/ExpandCollapseToggle.css");
\n\nif(typeof
content === 'string') content = [[module.id, content, "]];
\n\nvar transform;
\nvar insertInto;
\n\n\nvar options =
{"hmr":true}
\n\noptions.transform = transform
\noptions.insertInto = undefined;
\n\nvar update =
require("!../../../../../node_modules/style-loader/lib/addStyles.js")(content, options);
\n\nif(content.locals)
module.exports = content.locals;
\n\nif(module.hot) {
\n\tmodule.hot.accept("!../../../../../node_modules/css-
loader/index.js??ref--6-1!/ExpandCollapseToggle.css", function() {
\n\t\tvar newContent =
require("!../../../../../node_modules/css-loader/index.js??ref--6-1!/ExpandCollapseToggle.css");
\n\t\tif(typeof
newContent === 'string') newContent = [[module.id, newContent, "]];
\n\t\tvar locals = (function(a, b) {
\n\t\t\tvar key, idx = 0;
\n\t\t\tfor(key in a) {
\n\t\t\t\tif(!b || a[key] !== b[key]) return
false;
\n\t\t\t\tidx++;
\n\t\t\t}
\n\t\t\tfor(key in b) idx--;
\n\t\t\treturn idx === 0;
\n\t\t}(content.locals,
newContent.locals));
\n\t\tif(!locals) throw new Error('Aborting CSS HMR due to changed css-modules
locals. ');
\n\t\tupdate(newContent);
\n\t});
\n\tmodule.hot.dispose(function() {
update();
});
\n}",
\n\nvar content =
require("!../../../../../node_modules/css-loader/index.js??ref--6-
1!/InspectedElementStyleXPlugin.css");
\n\nif(typeof content === 'string') content = [[module.id, content,
"]];
\n\nvar transform;
\nvar insertInto;
\n\n\nvar options = {"hmr":true}
\n\noptions.transform =
transform
\noptions.insertInto = undefined;
\n\nvar update =
require("!../../../../../node_modules/style-
loader/lib/addStyles.js")(content, options);
\n\nif(content.locals) module.exports = content.locals;
\n\nif(module.hot)
{
\n\tmodule.hot.accept("!../../../../../node_modules/css-loader/index.js??ref--6-
1!/InspectedElementStyleXPlugin.css", function() {
\n\t\tvar newContent =
require("!../../../../../node_modules/css-loader/index.js??ref--6-
1!/InspectedElementStyleXPlugin.css");
\n\t\tif(typeof newContent === 'string') newContent = [[module.id,
newContent, "]];
\n\t\tvar locals = (function(a, b) {
\n\t\t\tvar key, idx = 0;
\n\t\t\tfor(key in a) {
\n\t\t\t\tif(!b || a[key] !== b[key]) return false;
\n\t\t\t\tidx++;
\n\t\t\t}
\n\t\t\tfor(key in b) idx--;
\n\t\t\treturn idx ===
0;
\n\t\t}(content.locals, newContent.locals));
\n\t\tif(!locals) throw new Error('Aborting CSS HMR due to changed
css-modules locals. ');
\n\t\tupdate(newContent);
\n\t});
\n\tmodule.hot.dispose(function() {
update();
});
\n}",
\n\nvar content =
require("!../../../../../node_modules/css-loader/index.js??ref--6-1!/CommitRanked.css");
\n\nif(typeof
content === 'string') content = [[module.id, content, "]];
\n\nvar transform;
\nvar insertInto;
\n\n\nvar options =
{"hmr":true}
\n\noptions.transform = transform
\noptions.insertInto = undefined;
\n\nvar update =
require("!../../../../../node_modules/style-loader/lib/addStyles.js")(content, options);
\n\nif(content.locals)
module.exports = content.locals;
\n\nif(module.hot) {
\n\tmodule.hot.accept("!../../../../../node_modules/css-
loader/index.js??ref--6-1!/CommitRanked.css", function() {
\n\t\tvar newContent =
require("!../../../../../node_modules/css-loader/index.js??ref--6-1!/CommitRanked.css");
\n\t\tif(typeof
newContent === 'string') newContent = [[module.id, newContent, "]];
\n\t\tvar locals = (function(a, b) {
\n\t\t\tvar key, idx = 0;
\n\t\t\tfor(key in a) {
\n\t\t\t\tif(!b || a[key] !== b[key]) return
false;
\n\t\t\t\tidx++;
\n\t\t\t}
\n\t\t\tfor(key in b) idx--;
\n\t\t\treturn idx === 0;
\n\t\t}(content.locals,
newContent.locals));
\n\t\tif(!locals) throw new Error('Aborting CSS HMR due to changed css-modules
locals. ');
\n\t\tupdate(newContent);
\n\t});
\n\tmodule.hot.dispose(function() {
update();
});
\n}",
\n\nvar content =

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bar.js:12:87)" in\n          // case it has spaces in it, as the string is split on \\s+ later on\n          var location =
sanitizedLine.match(/ (\\((.+):(\\d+):(\\d+))\\$)/);\n          // remove the parenthesized location from the line, if it
was matched\n          sanitizedLine = location ? sanitizedLine.replace(location[0], "): sanitizedLine;\n\n
var tokens = sanitizedLine.split(/\\s+/).slice(1);\n          // if a location was matched, pass it to extractLocation()
otherwise pop the last token\n          var locationParts = this.extractLocation(location ? location[1] :
tokens.pop());\n          var functionName = tokens.join(' ') || undefined;\n          var fileName = ['eval',
'<anonymous>'].indexOf(locationParts[0]) > -1 ? undefined : locationParts[0];\n          return new
StackFrame({\n          functionName: functionName,\n          fileName: fileName,\n
lineNumber: locationParts[1],\n          columnNumber: locationParts[2],\n          source: line\n
});\n      }, this);\n      },\n\n      parseFFOrSafari: function ErrorStackParser$$parseFFOrSafari(error) {\n
var filtered = error.stack.split("\\n").filter(function(line) {\n          return
!line.match(SAFARI_NATIVE_CODE_REGEXP);\n      }, this);\n      return filtered.map(function(line)
{\n          // Throw away eval information until we implement stacktrace.js/stackframe#8\n          if
(line.indexOf(' > eval') > -1) {\n          line = line.replace(/ line (\\d+)(?: > eval line \\d+)* > eval:\\d+:\\d+/g,
':$1');\n          }\n          if (line.indexOf('@') === -1 && line.indexOf('.') === -1) {\n          // Safari
eval frames only have function names and nothing else\n          return new StackFrame({\n
functionName: line\n          });\n          } else {\n          var functionNameRegex =
/((.*"\\.+"[^@]*)?[^@]*)(?:@)/;\n          var matches = line.match(functionNameRegex);\n          var
functionName = matches && matches[1] ? matches[1] : undefined;\n          var locationParts =
this.extractLocation(line.replace(functionNameRegex, "));\n          return new StackFrame({\n
functionName: functionName,\n          fileName: locationParts[0],\n          lineNumber:
locationParts[1],\n          columnNumber: locationParts[2],\n          source: line\n          });\n
      }, this);\n      },\n\n      parseOpera: function ErrorStackParser$$parseOpera(e) {\n          if
(!e.stacktrace || (e.message.indexOf("\\n") > -1 && e.message.split("\\n").length >
e.stacktrace.split("\\n").length)) {\n          return this.parseOpera9(e);\n          } else if (!e.stack) {\n
return this.parseOpera10(e);\n          } else {\n          return this.parseOpera11(e);\n          }\n      },\n\n
parseOpera9: function ErrorStackParser$$parseOpera9(e) {\n          var lineRE = /Line (\\d+).*script (?:in
)?(\\S+)/i;\n          var lines = e.message.split("\\n");\n          var result = [];\n          for (var i = 2, len =
lines.length; i < len; i += 2) {\n          var match = lineRE.exec(lines[i]);\n          if (match) {\n
result.push(new StackFrame({\n          fileName: match[2],\n          lineNumber: match[1],\n
source: lines[i]\n          }));\n          }\n          }\n          return result;\n      },\n\n
parseOpera10: function ErrorStackParser$$parseOpera10(e) {\n          var lineRE = /Line (\\d+).*script (?:in
)?(\\S+)(?::: In function (\\S+)?$/i;\n          var lines = e.stacktrace.split("\\n");\n          var result = [];\n          for
(var i = 0, len = lines.length; i < len; i += 2) {\n          var match = lineRE.exec(lines[i]);\n          if (match)
{\n          result.push(\n          new StackFrame({\n          functionName: match[3] ||
undefined,\n          fileName: match[2],\n          lineNumber: match[1],\n
source: lines[i]\n          })\n          );\n          }\n          }\n          return result;\n      },\n\n
Opera 10.65+ Error.stack very similar to FF/Safari\n      parseOpera11: function
ErrorStackParser$$parseOpera11(error) {\n          var filtered = error.stack.split("\\n").filter(function(line) {\n
return !!line.match(FIREFOX_SAFARI_STACK_REGEXP) && !line.match(/^Error created at/);\n          },
this);\n          return filtered.map(function(line) {\n          var tokens = line.split('@');\n          var
locationParts = this.extractLocation(tokens.pop());\n          var functionCall = (tokens.shift() || ");\n          var
functionName = functionCall\n          .replace(/<anonymous function: (\\w+)?>/, '$2')\n
.replace(/\\([\\^]*\\)/g, " ") || undefined;\n          var argsRaw;\n          if (functionCall.match(/\\([\\^]*\\)/)) {\n
argsRaw = functionCall.replace(/^[^]+\\([\\^]*\\)/, '$1');\n          }\n          var args = (argsRaw
=== undefined || argsRaw === '[arguments not available]') ?\n          undefined : argsRaw.split(',');\n          return new StackFrame({\n
functionName: functionName,\n          args: args,\n
fileName: locationParts[0],\n          lineNumber: locationParts[1],\n          columnNumber:

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locationParts[2],\n          source: line\n        });\n      }, this);\n    }\n  });\n});\n","use
strict";\n\nfunction nullthrows(x, message) {\n  if (x !== null) {\n    return x;\n  }\n  var error = new Error(message
!== undefined ? message : 'Got unexpected ' + x);\n  error.framesToPop = 1; // Skip nullthrows's own stack frame.\n  throw error;\n}\n\nmodule.exports = nullthrows;\nmodule.exports.default =
nullthrows;\n\nObject.defineProperty(module.exports, '__esModule', { value: true });\n","n\t\t\t\t\tvar addMethods =
require(".././.././node_modules/workerize-loader/dist/rpc-wrapper.js")\n\t\t\t\t\tvar methods =
["importFile"]\n\t\t\t\t\tmodule.exports = function() {\n\t\t\t\t\t\t\tvar w = new Worker(URL.createObjectURL(new
Blob(["!function(e){var r={};function a(t){if(r[t])return r[t].exports;var i=r[t]={i:t,l:!1,exports:{}};return
e[t].call(i.exports,i.exports,a),i.l=!0,i.exports}.m=e,a.c=r,a.d=function(e,r,t){a.o(e,r)||Object.defineProperty(e,r,{e
numerable:!0,get:t}),a.r=function(e){!!"undefined"!=typeof
Symbol&&Symbol.toStringTag&&Object.defineProperty(e,Symbol.toStringTag,{value:!!"Module"}),Object.defi
neProperty(e,!!"__esModule",{value:!0}),a.t=function(e,r){if(1&r&&(e=a(e)),8&r)return
e;if(4&r&&!!"object"==typeof e&&e.__esModule)return e;var
t=Object.create(null);if(a.r(t),Object.defineProperty(t,!!"default",{enumerable:!0,value:e}),2&r&&!!"string"!=t
ypeof e)for(var i in e)a.d(t,i,function(r){return e[r]}.bind(null,i));return t},a.n=function(e){var
r=e&&e.__esModule?function(){return e.default}:function(){return e};return
a.d(r,!!"a",r),a.o=function(e,r){return
Object.prototype.hasOwnProperty.call(e,r)},a.p=!!"",a.s=13)}(function(e,r,a){!!"use
strict";Object.defineProperty(r,!!"__esModule",{value:!0}),r.decodeBase64=r.lazyStatic=r.memoizeByReferen
ce=r.memoizeByShallowEquality=r.objectsHaveShallowEquality=r.noop=r.binarySearch=r.triangle=r.fract=r.forma
tPercent=r.zeroPad=r.itReduce=r.itForEach=r.itMap=r.KeyedSet=r.getOrThrow=r.getOrElse=r.getOrInsert=r.sortBy
=r.lastOf=void 0,r.lastOf=function(e){return e[e.length-1]||null},r.sortBy=function(e,r){e.sort((function(e,a){const
t=r(e),i=r(a);return t<i?-1:t>i?1:0)})),r.getOrInsert=function(e,r,a){return
e.has(r)?e.set(r,a(r)),e.get(r),r.getOrElse=function(e,r,a){return
e.has(r)?e.get(r):a(r)},r.getOrThrow=function(e,r){if(!e.has(r))throw new Error(!!"Expected key "+r);return
e.get(r)};class t{constructor(){this.map=new Map}getOrInsert(e){const r=e.key,a=this.map.get(r);return
a||(this.map.set(r,e),e)forEach(e){this.map.forEach(e)}[Symbol.iterator](){return this.map.values()} }function
i(e){return e-Math.floor(e)}function n(e,r){for(let a in e)if(e[a]!==r[a])return!1;for(let a in
r)if(e[a]!==r[a])return!1;return!0}function s(e){let
r=null;return()=>>(null==r&&(r={result:e()}),r.result)}r.KeyedSet=t,r.itMap=function*(e,r){for(let a of e)yield
r(a)},r.itForEach=function(e,r){for(let a of e)r(a)},r.itReduce=function(e,r,a){let t=a;for(let a of e)t=r(t,a);return
t},r.zeroPad=function(e,r){return new Array(Math.max(r-
e.length,0)+1).join(!!"0")+e},r.formatPercent=function(e){let r=e.toFixed(0)+!!"%";return
100===e?r=!!"100%":e>99?r=!!">99%":e<.01?r=!!"<0.01%":e<1?r=e.toFixed(2)+!!"%":e<10&&(r=e.to
Fixed(1)+!!"%"),r},r.fract=i,r.triangle=function(e){return 2*Math.abs(i(e)-.5)-
1},r.binarySearch=function(e,r,a,t,i=1){for(console.assert(!isNaN(i)&&!isNaN(t));){if(r-e<=i)return[e,r];const
n=(r+e)/2;a(n)<t?e=n:r=n}},r.noop=function(...e){},r.objectsHaveShallowEquality=n,r.memoizeByShallowEquality
=function(e){let r=null;return a=>{let t;return
null==r?(t=e(a),r={args:a,result:t},t):(n(r.args,a)|(r.args=a,r.result=e(a)),r.result)},r.memoizeByReference=function
(e){let r=null;return a=>{let t;return
null==r?(t=e(a),r={args:a,result:t},t):(r.args===a|(r.args=a,r.result=e(a)),r.result)},r.lazyStatic=s;const
v=s()=>>{const
e=!!"ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/",r=new Map;for(let
a=0;a<e.length;a++)r.set(e.charAt(a),a);return r.set(!!"=", -1,r)};r.decodeBase64=function(e){const
r=v();if(e.length%4!=0)throw new Error(!!"Invalid length for base64 encoded string. Expected length % 4 = 0, got
length = "+e.length);const a=e.length/4;let t;for(let t=0;t<a;t++){const
a=e.charAt(4*t+0),s=e.charAt(4*t+1),v=e.charAt(4*t+2),o=e.charAt(4*t+3),f=r.get(a),l=r.get(s),_r.get(v),u=r.get(o)

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);if(null==f|null==l|null==_|null==u)throw new Error("Invalid quartet at indices ${4*t} .. ${4*t+3}:
${e.substring(4*t,4*t+3)}");i[n++]=f<<2|l>>4,|||"="||"!==v&&(i[n++]=(15&l)<<4|>>2),|||"="||"!==o&&(i[n++]=(
7&_)<<6|u)}if(n!==(t))throw new Error("Expected to decode ${t} bytes, but only decoded ${n}");return
i}},function(e,r,a){|||"use strict||"|var t=this&&this.__createBinding|(Object.create?function(e,r,a,t){void
0===t&&(t=a),Object.defineProperty(e,t,{enumerable:!0,get:function(){return r[a]}}):function(e,r,a,t){void
0===t&&(t=a),e[t]=r[a]}),i=this&&this.__exportStar|function(e,r){for(var a in
e)|||"default||"===a|r.hasOwnProperty(a)|t(r,e,a);Object.defineProperty(r,|||"__esModule||"|,{value:!0}),i(a(6),r),i
(a(10),r)},function(e,r,a){|||"use
strict||"|;Object.defineProperty(r,|||"__esModule||"|,{value:!0}),r.ByteFormatter=r.TimeFormatter=r.RawValueFor
matter=void 0;const t=a(0);r.RawValueFormatter=class{constructor(){this.unit=|||"none||"|}format(e){return
e.toLocaleString()};r.TimeFormatter=class{constructor(e){this.unit=e,this.multiplier=|||"nanoseconds||"|===e?1e-
9:|||"microseconds||"|===e?1e-6:|||"milliseconds||"|===e?.001:1}formatUnsigned(e){const
r=e*this.multiplier;if(r/60>=1){const e=Math.floor(r/60),a=Math.floor(r-
60*e).toString();return`${e}:${t.zeroPad(a,2)}`}return
r/1>=1?r.toFixed(2)+|||"s||"|:r/.001>=1?(r/.001).toFixed(2)+|||"ms||"|:r/1e-6>=1?(r/1e-6).toFixed(2)+|||"µs||"|:(r/1e-
9).toFixed(2)+|||"ns||"|}format(e){return`${e<0?|||"-"
|||":|||"||"|}${this.formatUnsigned(Math.abs(e))}`};r.ByteFormatter=class{constructor(){this.unit=|||"bytes||"|}for
mat(e){return e<1024?e.toFixed(0)+|||" B||"|:(e/=1024)<1024?e.toFixed(2)+|||"
KB||"|:(e/=1024)<1024?e.toFixed(2)+|||" MB||"|:(e/=1024).toFixed(2)+|||" GB||"|}}},function(e,r,a){var
t,i,n;!function(s,v){|||"use strict||"|;i=[a(12)],void 0===(n=|||"function||"|===typeof(t=function(e){var
r=/^(@)|||S+:(|||d+/,a=/^|||s*at.*(|||S+:(|||d+|(|(|native|||)))/m,t=/^(eval@)?(|(|native
code)?)/$;/return{parse:function(e){if(void 0!==(e.stacktrace||void 0!==(e|||"opera#sourceloc||"|))return
this.parseOpera(e);if(e.stack&&e.stack.match(a))return this.parseV8OrIE(e);if(e.stack)return
this.parseFFOrSafari(e);throw new Error(|||"Cannot parse given Error object||"|)},extractLocation:function(e){if(-
1===e.indexOf(|||"":|||""))return[e];var
r=/(.+)?(:(|||d+))?(?:(|||d+))?$/g.exec(e.replace(/[/]/g,|||"\/"));return[r[1],r[2]||void 0,r[3]||void
0]},parseV8OrIE:function(r){return
r.stack.split(|||"\\n||"|).filter((function(e){return!e.match(a)}),this).map((function(r){r.indexOf(|||"(eval |||)">-
1&&(r=r.replace(/eval code/g,|||"eval||"|).replace(/(|(|eval at [^()]*)(|||).*$)/g,|||"|||"));var
a=r.replace(/^(|||s+/,|||"|||").replace(/(|(|eval code/g,|||"|||"),t=a.match(/
(|(|(,+):(|||d+):(|||d+|(|(|s+/$))),i=(a=t?a.replace(t[0],|||"|||"):a).split(/|||s+/.slice(1),n=this.extractLocation(t?t[1]:i.p
op()),s=i.join(|||" |||")||void 0,v=[|||"eval||"|,|||"<anonymous>||"|].indexOf(n[0])>-1?void 0:n[0];return new
e({functionName:s,fileName:v,lineNumber:n[1],columnNumber:n[2],source:r})),this)},parseFFOrSafari:function(r
){return r.stack.split(|||"\\n||"|).filter((function(e){return!e.match(t)}),this).map((function(r){if(r.indexOf(|||" >
eval|||)">-1&&(r=r.replace(/ line (|||d+)(?: > eval line |||d+)* > eval:|||d+:(|||d+|g,|||"|||"),-
1===r.indexOf(|||"@|||")&&-1===r.indexOf(|||"":|||""))return new e({functionName:r});var
a=/((.*|||".+|||"^@]?)?[^@]?)?(@)/,t=r.match(a),i=t&&t[1]?t[1]:void
0,n=this.extractLocation(r.replace(a,|||"|||"));return new
e({functionName:i,fileName:n[0],lineNumber:n[1],columnNumber:n[2],source:r})),this)},parseOpera:function(e){
return!e.stacktrace||e.message.indexOf(|||"\\n|||")>-
1&&e.message.split(|||"\\n||"|).length>e.stacktrace.split(|||"\\n||"|).length?this.parseOpera9(e):e.stack?this.parseO
pera11(e):this.parseOpera10(e)},parseOpera9:function(r){for(var a=/Line (|||d+).*script(?:in
)?(|(|S+))/i,t=r.message.split(|||"\\n||"|),i=[],n=2,s=t.length;n<s;n+=2){var v=a.exec(t[n]);v&&i.push(new
e({fileName:v[2],lineNumber:v[1],source:t[n]})}return i},parseOpera10:function(r){for(var a=/Line (|||d+).*script
(?:in)?(|(|S+))(?: In function (|||S+))?$)/i,t=r.stacktrace.split(|||"\\n||"|),i=[],n=0,s=t.length;n<s;n+=2){var
v=a.exec(t[n]);v&&i.push(new e({functionName:v[3]||void 0,fileName:v[2],lineNumber:v[1],source:t[n]})}return
i},parseOpera11:function(a){return
a.stack.split(|||"\\n||"|).filter((function(e){return!e.match(r)&&!e.match(/^Error created

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r.call(e);if(\\function\\===typeof e.next)return e;if(!isNaN(e.length)){ var t=-1,n=function
r(){for(++t<e.length;if(a.call(e,t))return r.value=e[t],r.done=!1,r;return r.value=void 0,r.done=!0,r};return
n.next=n }return{ next:A }function A(){return{ value:void 0,done:!0 }return
u.prototype=b.constructor=c,c.constructor=u,u.displayName=v(c,s,\\GeneratorFunction\\),e.isGeneratorFunction
=function(e){ var r=\\function\\===typeof
e&&e.constructor;return!!r&&(r===u||\\GeneratorFunction\\===r.displayName||r.name)},e.mark=function(e){r
return
Object.setPrototypeOf?Object.setPrototypeOf(e,c):(e.__proto__=c,v(e,s,\\GeneratorFunction\\)),e.prototype=Obj
ect.create(b),e,e.awrap=function(e){return{ __await:e }},p(m.prototype),m.prototype[n]=function(){return
this},e.AsyncIterator=m,e.async=function(r,a,t,i,n){ void 0===n&&(n=Promise);var s=new m(o(r,a,t,i),n);return
e.isGeneratorFunction(a)?s.next().then((function(e){ return
e.done?e.value:s.next()})),p(b),v(b,s,\\Generator\\),b[i]=function(){return
this},b.toString=function(){return\\[object Generator]\\}),e.keys=function(e){ var r=[];for(var a in
e)r.push(a);return r.reverse(),function a(){ for(;r.length;){ var t=r.pop();if(t in e)return a.value=t,a.done=!1,a }return
a.done=!0,a }},e.values=H,M.prototype={ constructor:M,reset:function(e){ if(this.prev=0,this.next=0,this.sent=this._s
ent=void 0,this.done=!1,this.delegate=null,this.method=\\next\\",this.arg=void
0,this.tryEntries.forEach(g,!e)for(var r in
this)\\t\\===r.charAt(0)&&a.call(this,r)&&!isNaN(+r.slice(1))&&(this[r]=void
0)},stop:function(){ this.done=!0;var e=this.tryEntries[0].completion;if(\\throw\\===e.type)throw e.arg;return
this.rval },dispatchException:function(e){ if(this.done)throw e;var r=this;function t(a,t){ return
s.type=\\throw\\",s.arg=e,r.next=a,t&&(r.method=\\next\\",r.arg=void 0,!t }for(var i=this.tryEntries.length-
1;i>=0;--i){ var n=this.tryEntries[i],s=n.completion;if(\\root\\===n.tryLoc)return
t(\\end\\");if(n.tryLoc<=this.prev){ var
v=a.call(n,\\catchLoc\\",o=a.call(n,\\finallyLoc\\");if(v&&o){ if(this.prev<n.catchLoc)return
t(n.catchLoc,!0);if(this.prev<n.finallyLoc)return t(n.finallyLoc)}else if(v){ if(this.prev<n.catchLoc)return
t(n.catchLoc,!0)}else { if(!o)throw new Error(\\try statement without catch or
finally\\");if(this.prev<n.finallyLoc)return t(n.finallyLoc) } } },abrupt:function(e,r){ for(var t=this.tryEntries.length-
1;t>=0;--t){ var i=this.tryEntries[t];if(i.tryLoc<=this.prev&&a.call(i,\\finallyLoc\\")&&this.prev<i.finallyLoc){ var
n=i;break } }n&&(\\break\\===e||\\continue\\===e)&&n.tryLoc<=r&&r<=n.finallyLoc&&(n=null);var
s=n?n.completion:{ };return
s.type=e,s.arg=r,n?(this.method=\\next\\",this.next=n.finallyLoc,l):this.complete(s)},complete:function(e,r){ if(\\t
hrow\\===e.type)throw
e.arg;return\\break\\===e.type||\\continue\\===e.type?this.next=e.arg:\\return\\===e.type?(this.rval=this.ar
g=e.arg,this.method=\\return\\",this.next=\\end\\"):\\normal\\===e.type&&r&&(this.next=r,l),finish:functio
n(e){ for(var r=this.tryEntries.length-1;r>=0;--r){ var a=this.tryEntries[r];if(a.finallyLoc===e)return
this.complete(a.completion,a.afterLoc),g(a,l) },catch:function(e){ for(var r=this.tryEntries.length-1;r>=0;--r){ var
a=this.tryEntries[r];if(a.tryLoc===e){ var t=a.completion;if(\\throw\\===t.type){ var i=t.arg:g(a)}return i } }throw
new Error(\\illegal catch attempt\\)},delegateYield:function(e,r,a){ return
this.delegate={ iterator:H(e),resultName:r,nextLoc:a },\\next\\===this.method&&(this.arg=void
0),l }},e}(e.exports);try {regeneratorRuntime=t} catch(e){ Function(\\r\\",\\regeneratorRuntime =
r\\")(t)},function(e,r,a){ \\use
strict\\;Object.defineProperty(r,\\__esModule\\",{ value:!0}),r.importFromOldV8CPUProfile=r.importFromChro
meCPUProfile=r.importFromChromeTimeline=r.isChromeTimeline=void 0;const
t=a(7),i=a(0),n=a(2),s=a(9);r.isChromeTimeline=function(e){ if(!Array.isArray(e))return!1;if(e.length<1)return!1;co
nst r=e[0];return\\pid\\in r&&\\tid\\in r&&\\ph\\in r&&\\cat\\in
r&&!e.find(e=>\\CpuProfile\\===e.name||\\Profile\\===e.name||\\ProfileChunk\\===e.name)},r.importFr
omChromeTimeline=function(e,r){ const a=new Map,t=new Map,n=new Map;i.sortBy(e,e=>e.ts);for(let r of
e){ if(\\CpuProfile\\===r.name){ const

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e=`${r.pid}:${r.tid}`;i=r.id||e;a.set(i,r.args.data.cpuProfile),t.set(i,e)}if(\\\\"Profile\\\\"===r.name){const
e=`${r.pid}:${r.tid}`;a.set(r.id||e,Object.assign({startTime:0,endTime:0,nodes:[],samples:[],timeDeltas:[],r.args.dat
a}),r.id&&t.set(r.id,`${r.pid}:${r.tid}`)}if(\\\\"thread_name\\\\"===r.name&&n.set(`${r.pid}:${r.tid}`,r.args.name),\\\\"
ProfileChunk\\\\"===r.name){const e=`${r.pid}:${r.tid}`,t=a.get(r.id||e);if(t){const
e=r.args.data;e.cpuProfile&&(e.cpuProfile.nodes&&(t.nodes=t.nodes.concat(e.cpuProfile.nodes)),e.cpuProfile.samp
les&&(t.samples=t.samples.concat(e.cpuProfile.samples))),e.timeDeltas&&(t.timeDeltas=t.timeDeltas.concat(e.time
Deltas)),null!=e.startTime&&(t.startTime=e.startTime),null!=e.endTime&&(t.endTime=e.endTime)}else
console.warn(\\\\"Ignoring ProfileChunk for undeclared Profile with id \\\\"+(r.id||e))}if(a.size>0){const e=[];let
s=0;return i.forEach(a.keys(),i=>{let v=null,o=t.get(i);o&&(v=n.get(o)||null);const
f=_a.get(i);v&&a.size>1?f.setName(`${r} -
${v}`),\\\\"CrRendererMain\\\\"===v&&(s=e.length):f.setName(\\\\"\\\\"+r),e.push(f)},{name:r,indexToView:s,profil
es:e})throw new Error(\\\\"Could not find CPU profile in Timeline\\\\"));const v=new Map;function o(e){return
i.getOrInsert(v,e=>{const
r=e.functionName(\\\\"(anonymous)\\\\"),a=e.url,t=e.lineNumber,i=e.columnNumber;return{key:`${r}:${a}:${t}:${i}`
,name:r,file:a,line:t,col:i}})function f(e){const{functionName:r,url:a}=e;return\\\\"native
dummy.js\\\\"===a||(\\\\"(root)\\\\"===r||\\\\"(idle)\\\\"===r)}function l(e){return\\\\"(garbage
collector)\\\\"===e||\\\\"(program)\\\\"===e}function _(e){const r=new t.CallTreeProfileBuilder(e.endTime-
e.startTime),a=new Map;for(let r of e.nodes)a.set(r.id,r);for(let r of e.nodes)if(\\\\"number\\\\"===typeof
r.parent&&(r.parent=a.get(r.parent)),r.children)for(let e of r.children){const t=a.get(e);t&&(t.parent=r)}const
s=[],v=[];let _=e.timeDeltas[0],u=_c=NaN;for(let r=0;r<e.samples.length;r++){const
a=e.samples[r];if(a!=c&&(s.push(a),_<u?v.push(u):(v.push(_),u=_)),r===e.samples.length-
1)isNaN(c)||(s.push(c),_<u?v.push(u):(v.push(_),u=_));else{_+=e.timeDeltas[r+1],c=a}}let S=[];for(let
e=0;e<s.length;e++){const t=v[e],n=s[e];let _=a.get(n);if(!_continue;let u=null;for(u=_;u&&-
1===S.indexOf(u);u=l(u.callFrame.functionName)?i.lastOf(S):u.parent||null);for(;S.length>0&&i.lastOf(S)!=u;){co
nst e=o(S.pop().callFrame);r.leaveFrame(e,t)}const c=[];for(let
e=_;e&&e!=u&&!f(e.callFrame);e=l(e.callFrame.functionName)?i.lastOf(S):e.parent||null)c.push(e);c.reverse();for(l
et e of c)r.enterFrame(o(e.callFrame),t);S=S.concat(c)}for(let e=S.length-1;e>=0;e--
)r.leaveFrame(o(S[e].callFrame),i.lastOf(v));return r.setValueFormatter(new
n.TimeFormatter(\\\\"microseconds\\\\"),r.build())r.importFromChromeCPUProfile=_r.importFromOldV8CPUProfi
le=function(e){return _(s.chromeTreeToNodes(e))},function(e,r,a){\\\\"use strict\\\\";var
t=this&&this.__createBinding||(Object.create?function(e,r,a,t){void
0===t&&(t=a),Object.defineProperty(e,t,{enumerable:!0,get:function(){return r[a]}}):function(e,r,a,t){void
0===t&&(t=a),e[t]=r[a]),i=this&&this.__setModuleDefault||(Object.create?function(e,r){Object.defineProperty(e,
\\\\"default\\\\",{enumerable:!0,value:r}):function(e,r){e.default=r}},n=this&&this.__importStar||function(e){if(e&&e
.__esModule)return e;var r={};if(null!=e)for(var a in e)Object.hasOwnProperty.call(e,a)&&t(r,e,a);return
i(r,e),r},s=this&&this.__awaiter||function(e,r,a,t){return new a((a=Promise))((function(i,n){function
s(e){try{o(t.next(e))}catch(e){n(e)}}function v(e){try{o(t.throw(e))}catch(e){n(e)}}function o(e){var
r;e.done?i(e.value):(r=e.value,r instanceof a?r:new
a((function(e){e(r)})).then(s,v))o((t=t.apply(e,r||[])).next())));Object.defineProperty(r,\\\\"__esModule\\\\",{value:!
0}),r.CallTreeProfileBuilder=r.StackListProfileBuilder=r.Profile=r.CallTreeNode=r.Frame=r.HasWeights=void
0;const v=a(0),o=a(2),f=Promise.resolve().then(=>n(a(8)));f.then(=>{ });class
l{constructor(){this.selfWeight=0,this.totalWeight=0}getSelfWeight(){return
this.selfWeight}getTotalWeight(){return
this.totalWeight}addToTotalWeight(e){this.totalWeight+=e}addToSelfWeight(e){this.selfWeight+=e}overwriteWe
ightWith(e){this.selfWeight=e.selfWeight,this.totalWeight=e.totalWeight}r.HasWeights=1;let _=(=>{class e
extends
l{constructor(e){super(),this.key=e.key,this.name=e.name,this.file=e.file,this.line=e.line,this.col=e.col}static
getOrInsert(r,a){return r.getOrInsert(new e(a))}}return e.root=new e({key:\\\\"(speedscope

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root)\\",name:\\\"(speedscope root)\\"),e)();r.Frame=_;class u extends
l{constructor(e,r){super(),this.frame=e,this.parent=r,this.children=[],this.frozen=!1}isRoot(){return
this.frame===_root}isFrozen(){return this.frozen}freeze(){this.frozen=!0}}r.CallTreeNode=u;class
c{constructor(e=0){this.name=\\\"\\\",this.frames=new v.KeyedSet,this.appendOrderCalltreeRoot=new
u(_root,null),this.groupedCalltreeRoot=new u(_root,null),this.samples=[],this.weights=[],this.valueFormatter=new
o.RawValueFormatter,this.totalNonIdleWeight=null,this.totalWeight=e}getAppendOrderCalltreeRoot(){return
this.appendOrderCalltreeRoot}getGroupedCalltreeRoot(){return this.groupedCalltreeRoot}formatValue(e){return
this.valueFormatter.format(e)}setValueFormatter(e){this.valueFormatter=e}getWeightUnit(){return
this.valueFormatter.unit}getName(){return this.name}setName(e){this.name=e}getTotalWeight(){return
this.totalWeight}getTotalNonIdleWeight(){return
null===this.totalNonIdleWeight&&(this.totalNonIdleWeight=this.groupedCalltreeRoot.children.reduce((e,r)=>e+r.
getTotalWeight(),0)),this.totalNonIdleWeight}sortGroupedCallTree(){!function e(r){r.children.sort((e,r)=>-
(e.getTotalWeight()-
r.getTotalWeight())),r.children.forEach(e)}(this.groupedCalltreeRoot)}forEachCallGrouped(e,r){!function
a(t,i){t.frame!==_root&&e(t,i);let
n=0;t.children.forEach((function(e){a(e,i+n),n+=e.getTotalWeight()}),t.frame!==_root&&r(t,i+t.getTotalWeight())
)(this.groupedCalltreeRoot,0)}forEachCall(e,r){let a=[],t=0,i=0;for(let n of this.samples){let
s=null;for(s=n;s&&s.frame!==_root&&-
1===a.indexOf(s);s=s.parent);for(;a.length>0&&v.lastOf(a)!s;){r(a.pop(),t)const o=[];for(let
e=n;e&&e.frame!==_root&&e!s;e=e.parent)o.push(e);o.reverse();for(let r of
o)e(r,t);a=a.concat(o),t+=this.weights[i++]}}for(let e=a.length-1;e>=0;e--
)r(a[e],t)}forEachFrame(e){this.frames.forEach(e)}getProfileWithRecursionFlattened(){const e=new h,r=[],a=new
Set;this.forEachCall((function(t,i){a.has(t.frame)?r.push(null):(a.add(t.frame),r.push(t),e.enterFrame(t.frame,i))),
(function(t,i){const n=r.pop();n&&(a.delete(n.frame),e.leaveFrame(n.frame,i))});const t=e.build();return
t.name=this.name,t.valueFormatter=this.valueFormatter,this.forEachFrame(e=>{t.frames.getOrInsert(e).overwriteW
eightWith(e)},t)}getInvertedProfileForCallersOf(e){const r=_getOrInsert(this.frames,e),a=new S,t=[];!function
e(a){if(a.frame===r)t.push(a);else for(let r of a.children)e(r)}(this.appendOrderCalltreeRoot);for(let e of t){const
r=[];for(let
a=e;null!=a&&a.frame!==_root;a=a.parent)r.push(a.frame);a.appendSampleWithWeight(r,e.getTotalWeight())}con
st i=a.build();return i.name=this.name,i.valueFormatter=this.valueFormatter,i}getProfileForCalleesOf(e){const
r=_getOrInsert(this.frames,e),a=new S;!function e(t){if(t.frame===r)!function(e){const r=[];!function
e(t){r.push(t.frame),a.appendSampleWithWeight(r,t.getSelfWeight());for(let r of t.children)e(r);r.pop()}(e)}(t);else
for(let r of t.children)e(r)}(this.appendOrderCalltreeRoot);const t=a.build();return
t.name=this.name,t.valueFormatter=this.valueFormatter,t}demangle(){return s(this,void 0,void 0,(function*(){let
e=null;for(let r of this.frames)r.name.startsWith(\\\"_Z\\\")&&(e||(e=(yield
f).demangleCpp),r.name=e(r.name))))}remapNames(e){for(let r of
this.frames)r.name=e(r.name)}}r.Profile=c;class S extends
c{constructor(){super(...arguments),this.pendingSample=null}_appendSample(e,r,a){if(isNaN(r))throw new
Error(\\\"invalid weight\\\");let t=a?this.appendOrderCalltreeRoot:this.groupedCalltreeRoot,i=new Set;for(let n of
e){const
e=_getOrInsert(this.frames,n),s=a?v.lastOf(t.children):t.children.find(r=>r.frame===e);if(s&&!s.isFrozen()&&s.fra
me===e)t=s;else{const r=t;t=new
u(e,t),r.children.push(t)}t.addToTotalWeight(r),i.add(t.frame)}if(t.addToSelfWeight(r),a)for(let e of
t.children)e.freeze();if(a){t.frame.addToSelfWeight(r);for(let e of
i)e.addToTotalWeight(r);t===v.lastOf(this.samples)?this.weights[this.weights.length-
1]+=r:(this.samples.push(t),this.weights.push(r))}appendSampleWithWeight(e,r){if(0!==(r<0))throw new
Error(\\\"Samples must have positive
weights\\\");this._appendSample(e,r,!0),this._appendSample(e,r,1)}appendSampleWithTimestamp(e,r){if(this.pen

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dingSample){if(r<this.pendingSample.centralTimestamp)throw new Error(\\\\"Timestamps received out of
order\\\\"");const
a=(r+this.pendingSample.centralTimestamp)/2;this.appendSampleWithWeight(this.pendingSample.stack,a-
this.pendingSample.startTimestamp),this.pendingSample={ stack:e,startTimestamp:a,centralTimestamp:r }else
this.pendingSample={ stack:e,startTimestamp:r,centralTimestamp:r }build()return
this.pendingSample&&(this.samples.length>0?this.appendSampleWithWeight(this.pendingSample.stack,this.pendin
gSample.centralTimestamp-
this.pendingSample.startTimestamp):(this.appendSampleWithWeight(this.pendingSample.stack,1),this.setValueFor
matter(new
o.RawValueFormatter))),this.totalWeight=Math.max(this.totalWeight,this.weights.reduce((e,r)=>e+r,0)),this.sortGr
oupedCallTree(),this }r.StackListProfileBuilder=S;class h extends
c{ constructor(){ super(...arguments),this.appendOrderStack=[this.appendOrderCalltreeRoot],this.groupedOrderStack
=[this.groupedCalltreeRoot],this.framesInStack=new
Map,this.stack=[],this.lastValue=0}addWeightsToFrames(e){ const r=e-this.lastValue;for(let e of
this.framesInStack.keys())e.addToTotalWeight(r);const
a=v.lastOf(this.stack);a&&a.addToSelfWeight(r)}addWeightsToNodes(e,r){ const a=e-this.lastValue;for(let e of
r)e.addToTotalWeight(a);const t=v.lastOf(r);t&&t.addToSelfWeight(a)}_enterFrame(e,r,a){let
t=a?this.appendOrderStack:this.groupedOrderStack;this.addWeightsToNodes(r,t);let i=v.lastOf(t);if(i){if(a){ const
e=r-this.lastValue;if(e>0)this.samples.push(i),this.weights.push(r-this.lastValue);else if(e<0)throw new
Error(` Samples must be provided in increasing order of cumulative value. Last sample was ${this.lastValue}, this
sample was ${r}`)}const n=a?v.lastOf(i.children):i.children.find(r=>r.frame===e);let
s;n&&!n.isFrozen()&&n.frame===e?s=n:(s=new u(e,i),i.children.push(s),t.push(s))}enterFrame(e,r){ const
a=_getOrInsert(this.frames,e);this.addWeightsToFrames(r),this._enterFrame(a,r,!0),this._enterFrame(a,r,!1),this.sta
ck.push(a);const t=this.framesInStack.get(a)||0;this.framesInStack.set(a,t+1),this.lastValue=r}_leaveFrame(e,r,a){let
t=a?this.appendOrderStack:this.groupedOrderStack;if(this.addWeightsToNodes(r,t),a){ const
a=this.appendOrderStack.pop();if(null===a)throw new Error(` Trying to leave ${e.key} when stack is
empty`);if(null===this.lastValue)throw new Error(` Trying to leave a ${e.key} before any have been
entered`);if(a.freeze(),a.frame.key!==e.key)throw new Error(` Tried to leave frame \\\\"${e.name}\\\\" while frame
\\\\"${a.frame.name}\\\\" was at the top at ${r}`);const t=r-
this.lastValue;if(t>0)this.samples.push(a),this.weights.push(r-this.lastValue);else if(t<0)throw new Error(` Samples
must be provided in increasing order of cumulative value. Last sample was ${this.lastValue}, this sample was
${r}`)}else this.groupedOrderStack.pop()}leaveFrame(e,r){ const
a=_getOrInsert(this.frames,e);this.addWeightsToFrames(r),this._leaveFrame(a,r,!0),this._leaveFrame(a,r,!1),this.sta
ck.pop();const t=this.framesInStack.get(a);null!=t&&(1===t?this.framesInStack.delete(a):this.framesInStack.set(a,t-
1),this.lastValue=r,this.totalWeight=Math.max(this.totalWeight,this.lastValue))}build(){if(this.appendOrderStack.le
ngth>1||this.groupedOrderStack.length>1)throw new Error(\\\\"Tried to complete profile construction with a non-
empty stack\\\\"");return this.sortGroupedCallTree(),this }r.CallTreeProfileBuilder=h},function(e,r,a){\\\\"use
strict\\\\";let t;Object.defineProperty(r,\\\\"__esModule\\\\"",{ value:!0}),r.demangleCxx=void 0;const i=new
Map;r.demangleCxx=function(e){ if(e.startsWith(\\\\"__Z\\\\"))){ let r=i.get(e);void 0!==(r||(t=(t=new
Function(\\\\"exports\\\\" ,n)()),r=t(e.slice(1)),r=\\\\"(null)\\\\"===r?e:r,i.set(e,r),e=r)}return e};const n=\\\\"nreturn
function(){function r(r){eval.call(null,r)}function a(r){throw print(r+\\\\"":\\\\"\\\\"n\\\\""+(new
Error).stack),ke=!0,\\\\"Assertion: \\\\"+r}function e(r,e){r|a(\\\\"Assertion failed: \\\\"+e)}function i(r,a,i,v){function
t(r,a){if(\\\\"string\\\\"===a){ var e=Oe;return le.stackAlloc(r.length+1),A(r,e),e}return r}function
f(r,a){return \\\\"string\\\\"===a?s(r):r}try{func=ce.Module[\\\\"_\\\\"+r]}catch(r){}e(func,\\\\"Cannot call unknown
function \\\\"+r+\\\\" (perhaps LLVM optimizations or closure removed it?)\\\\"");var _=0,n=v?v.map(function(r){return
t(r,i[_++])}):[];return f(func.apply(null,n),a)}function v(r,a,e){return function(){return
i(r,a,e,Array.prototype.slice.call(arguments))}}function t(r,e,i,v){switch(i=i||\\\\"i8\\\\" ,\\\\"*\\\\"===i[i.length-
1]&&(i=\\\\"i32\\\\"),i){case\\\\"i1\\\\" :Ae[r]=e;break;case\\\\"i8\\\\" :Ae[r]=e;break;case\\\\"i16\\\\" :ye[r>>1]=e;break;case\\

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||"i32||":Se[r>>2]=e;break;case||"i64||":Se[r>>2]=e;break;case||"float||":Ce[r>>2]=e;break;case||"double||":ze[
0]=e,Se[r>>2]=xe[0],Se[r+4>>2]=xe[1];break;default:a(||"invalid type for setValue: ||"+i)}function
f(r,e,i){switch(e=e/||"i8||",||"*||"===e[e.length-1]&&(e=||"i32||"),e){case||"i1||":return
Ae[r];case||"i8||":return Ae[r];case||"i16||":return ye[r>>1];case||"i32||":return Se[r>>2];case||"i64||":return
Se[r>>2];case||"float||":return Ce[r>>2];case||"double||":return
xe[0]=Se[r>>2],xe[1]=Se[r+4>>2],ze[0];default:a(||"invalid type for setValue: ||"+e)}return null}function
_(r,a,e){var i,v;||"number||"===typeof r?(i=!0,v=r):(i=!1,v=r.length);var f=||"string||"===typeof
a?a:null,_=[Jr,le.stackAlloc,le.staticAlloc][void 0===e?we:e](Math.max(v,f?1:a.length));if(i)return
Fa(_ ,0,v),_.for(var s,n=0;n<v;){var o=r[n];||"function||"===typeof
o&&(o=le.getFunctionIndex(o),s=f||a[n],0!==s?(||"i64||"===s&&(s=||"i32||"),t(_+n,o,s),n+=le.getNativeTypeSize
(s)):n++)return _}function s(r,a){for(var e,i=||"undefined||"===typeof
a,v=||"||",t=0,f=String.fromCharCode(0);){if(e=String.fromCharCode(ge[r+t]),i&&e===f)break;if(v+=e,t+=1,!i&&
t===a)break}return v}function n(r){for(var a=||"||",e=0;e<r.length;e++)a+=String.fromCharCode(r[e]);return
a}function o(r){return r+4095>>12<<12}function l(){for(;Le<=Ie;)Le=o(2*Le);var r=Ae,a=new
ArrayBuffer(Le);Ae=new Int8Array(a),ye=new Int16Array(a),Se=new Int32Array(a),ge=new
Uint8Array(a),me=new Uint16Array(a),Me=new Uint32Array(a),Ce=new Float32Array(a),Re=new
Float64Array(a),Ae.set(r)}function b(r){for(;r.length>0;){var a=r.shift(),e=a.func;||"number||"===typeof
e&&(e=pe[e]),e(void 0===a.arg?null:a.arg)}function k(){b(ve)}function u(){b(Be),be.print()}function
c(r,a){return Array.prototype.slice.call(Ae.subarray(r,r+a))}function h(r,a){for(var e=new
Uint8Array(a),i=0;i<a;+i)e[i]=Ae[r+i];return e.buffer}function d(r){for(var a=0;Ae[r+a];)a++;return a}function
w(r,a){var e=d(r);a&&e++;var i=c(r,e);return a&&(i[e-1]=0),i}function p(r,a){for(var e=[],i=0;i<r.length;){var
v=r.charCodeAtAt(i);v>255&&(v&=255),e.push(v),i+=1}return a||e.push(0),e}function E(r){for(var
a=[],e=0;e<r.length;e++){var i=r[e];i>255&&(i&=255),a.push(String.fromCharCode(i))}return
a.join(||"||")}function A(r,a,e){for(var i=0;i<r.length;){var
v=r.charCodeAtAt(i);v>255&&(v&=255),Ae[a+i]=v,i+=1}e||(Ae[a+i]=0)}function g(r,a,e,i){return
r>=0?r:a<=32?2*Math.abs(1<<a-1)+r:Math.pow(2,a)+r}function y(r,a,e,i){if(r<=0)return r;var
v=a<=32?Math.abs(1<<a-1):Math.pow(2,a-1);return r>=v&&(a<=32||r>v)&&(r=-2*v+r),r}function
m(r,a,e){if(0==(0|r)|0==(0|a)|0==(0|e))var i=0;else{Se[r>>2]=0,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var i;return
i}function S(r,a,e){if(0==(0|r)|(0|a)<0|0==(0|e))var i=0;else{Se[r>>2]=41,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var
i;return i}function M(r,a,e){if(0==(0|r)|0==(0|e))var i=0;else{Se[r>>2]=6,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var
i;return i}function C(r,a,e){if(0==(0|r)|0==(0|e))var i=0;else{Se[r>>2]=7,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var
i;return i}function R(r,a){var e,i=0==(0|a);do if(i)var v=0;else{var
e=(r+32|0)>>2,t=Se[e];if((0|t)>=(0|Se[r+36>>2])){var v=0;break}var f=(t<<2)+Se[r+28>>2]|0;Se[f>>2]=a;var
_=Se[e]+1|0;Se[e]=_;var v=1}while(0);var v;return v}function T(r,a){var
e,e=(r+12|0)>>2,i=Se[e],v=i+1|0;Se[e]=v;var t=Ae[i]<<24>>24==95;do if(t){var
f=i+2|0;if(Se[e]=f,Ae[v]<<24>>24!=90){var _=0;break}var s=O(r,a),_=s}else var _=0;while(0);var _;return
_}function O(r,a){var e=r+12|0,i=Ae[Se[e>>2]];r:do if(i<<24>>24==71||i<<24>>24==84)var v=Tr(r),t=v;else{var
f=Ar(r),_=0==(0|f)|0==(0|a);do if(!_){if(0!=(1&Se[r+8>>2]|0))break;var s=Me[f>>2],n=(s-25|0)>>>0<3;a:do
if(n)for(var o=f;){var o,l=Me[o+4>>2],b=Me[l>>2];if((b-25|0)>>>0>=3){var k=l,u=b;break a}var o=l}else var
k=f,u=s;while(0);var u,k;if(2!=(0|u)){var t=k;break r}var c=k+8|0,h=Me[c>>2],d=(Se[h>>2]-25|0)>>>0<3;a:do
if(d)for(var w=h;){var w,p=Me[w+4>>2];if((Se[p>>2]-25|0)>>>0>=3){var E=p;break a}var w=p}else var
E=h;while(0);var E;Se[c>>2]=E;var t=k;break r}while(0);var
A=Ae[Se[e>>2]];if(A<<24>>24==0||A<<24>>24==69){var t=f;break}var
g=Or(f),y=Sr(r,g),m=D(r,3,f,y),t=m}while(0);var t;return t}function N(r){var a,e,i=Oe;Oe+=4;var
v=i,e=v>>2,a=(r+12|0)>>2,t=Me[a],f=Ae[t],_=f<<24>>24;r:do
if(f<<24>>24==114||f<<24>>24==86||f<<24>>24==75){var s=I(r,v,0);if(0==(0|s)){var n=0;break}var
o=N(r);Se[s>>2]=o;var l=Se[e],b=R(r,l);if(0==(0|b)){var n=0;break}var
n=Se[e]}else{do{if(97==(0|_)||98==(0|_)||99==(0|_)||100==(0|_)||101==(0|_)||102==(0|_)||103==(0|_)||104==(0|_)||10

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5==(0_)||106==(0_)||108==(0_)||109==(0_)||110==(0_)||111==(0_)||115==(0_)||116==(0_)||118==(0_)||119==(0_)
_)||120==(0_)||121==(0_)||122==(0_) { var k=ai+20*(_-97)|0,u=P(r,k);Se[e]=u;var
c=r+48|0,h=Se[c>>2]+Se[Se[u+4>>2]+4>>2]|0;Se[c>>2]=h;var d=Se[a]+1|0;Se[a]=d;var n=u;break
r}if(117==(0_)){Se[a]=t+1|0;var w=L(r),p=D(r,34,w,0);Se[e]=p;var E=p}else if(70==(0_)){var
A=F(r);Se[e]=A;var E=A}else
if(48==(0_)||49==(0_)||50==(0_)||51==(0_)||52==(0_)||53==(0_)||54==(0_)||55==(0_)||56==(0_)||57==(0_)||78=
=(0_)||90==(0_)){var g=X(r);Se[e]=g;var E=g}else if(65==(0_)){var y=j(r);Se[e]=y;var E=y}else
if(77==(0_)){var m=U(r);Se[e]=m;var E=m}else if(84==(0_)){var
S=x(r);if(Se[e]=S,Ae[Se[a]]<<24>>24!=73){var E=S;break}var M=R(r,S);if(0==(0|M)){var n=0;break r}var
C=Se[e],T=z(r),O=D(r,4,C,T);Se[e]=O;var E=O}else if(83==(0_)){var B=ge[t+1|0];if((B-
48&255&255)<10|B<<24>>24==95|(B-65&255&255)<26){var
H=V(r,0);if(Se[e]=H,Ae[Se[a]]<<24>>24!=73){var n=H;break r}var K=z(r),Y=D(r,4,H,K);Se[e]=Y;var
E=Y}else{var G=X(r);if(Se[e]=G,0==(0|G)){var E=0;break}if(21==(0|Se[G>>2])){var n=G;break r}var E=G}}else
if(80==(0_)){Se[a]=t+1|0;var W=N(r),Z=D(r,29,W,0);Se[e]=Z;var E=Z}else if(82==(0_)){Se[a]=t+1|0;var
Q=N(r),q=D(r,30,Q,0);Se[e]=q;var E=q}else if(67==(0_)){Se[a]=t+1|0;var $=N(r),J=D(r,31,$,0);Se[e]=J;var
E=J}else if(71==(0_)){Se[a]=t+1|0;var rr=N(r),ar=D(r,32,rr,0);Se[e]=ar;var E=ar}else{if(85!=(0_)){var n=0;break
r}Se[a]=t+1|0;var er=L(r);Se[e]=er;var ir=N(r),vr=Se[e],tr=D(r,28,ir,vr);Se[e]=tr;var E=tr}}while(0);var
E,fr=R(r,E);if(0==(0|fr)){var n=0;break}var n=Se[e]}while(0);var n;return Oe=i,n}function I(r,a,e){for(var
i,v=r+12|0,t=0!==(0|e),f=t?25:22,i=(r+48|0)>>2,=_t?26:23,s=t?27:24,n=a;){var
n,o=Se[v>>2],l=Ae[o];if(l<<24>>24!=114&&l<<24>>24!=86&&l<<24>>24!=75){var b=n;break}var
k=o+1|0;if(Se[v>>2]=k,l<<24>>24==114){var u=Se[i]+9|0;Se[i]=u;var c=f}else if(l<<24>>24==86){var
h=Se[i]+9|0;Se[i]=h;var c=_}else{var d=Se[i]+6|0;Se[i]=d;var c=s}var
c,w=D(r,c,0,0);if(Se[n>>2]=w,0==(0|w)){var b=0;break}var n=w+4|0}var b;return b}function P(r,a){var
e=0==(0|a);do if(e)var i=0;else{var v=J(r);if(0==(0|v)){var i=0;break}Se[v>>2]=33,Se[v+4>>2]=a;var
i=v}while(0);var i;return i}function D(r,a,e,i){var
v,t;do{if(1==(0|a)||2==(0|a)||3==(0|a)||4==(0|a)||10==(0|a)||28==(0|a)||37==(0|a)||43==(0|a)||44==(0|a)||45==(0|a)||46=
=(0|a)||47==(0|a)||48==(0|a)||49==(0|a)||50==(0|a)){if(0==(0|e)|0==(0|i)){var
f=0;t=7;break}t=5;break}if(8==(0|a)||9==(0|a)||11==(0|a)||12==(0|a)||13==(0|a)||14==(0|a)||15==(0|a)||16==(0|a)||17=
=(0|a)||18==(0|a)||19==(0|a)||20==(0|a)||29==(0|a)||30==(0|a)||31==(0|a)||32==(0|a)||34==(0|a)||38==(0|a)||39==(0|a)||4
2==(0|a)){if(0==(0|e)){var f=0;t=7;break}t=5;break}if(36==(0|a)){if(0==(0|i)){var
f=0;t=7;break}t=5;break}if(35==(0|a)||22==(0|a)||23==(0|a)||24==(0|a)||25==(0|a)||26==(0|a)||27==(0|a))t=5;else{var
f=0;t=7}}while(0);do if(5==t){var _=J(r),v=_>>2;if(0==(0|_)){var f=0;break}Se[v]=a,Se[v+1]=e,Se[v+2]=i;var
f=_}while(0);var f;return f}function L(r){var a=sr(r);if((0|a)<1)var e=0;else{var i=Rr(r,a);Se[r+44>>2]=i;var
e=i}var e;return e}function F(r){var
a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;if(Se[a]=i,Ae[e]<<24>>24==70){if(Ae[i]<<24>>24==89){var
v=e+2|0;Se[a]=v}var t=Sr(r,1),f=Se[a],_f=f+1|0;Se[a]=_;var s=Ae[f]<<24>>24==69?t:0,n=s}else var n=0;var
n;return n}function X(r){var a=Ar(r);return a}function j(r){var a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var
v=Ae[e]<<24>>24==65;do if(v){var t=Ae[i];if(t<<24>>24==95)var f=0;else if((t-48&255&255)<10){for(var
_=:i;){var _,s=_+1|0;if(Se[a]=s,(Ae[s]-48&255&255)>=10)break;var _s}var n=s-i|0,o=lr(r,i,n);if(0==(0|o)){var
l=0;break}var f=o}else{var b=nr(r);if(0==(0|b)){var l=0;break}var f=b}var
f,k=Se[a],u=k+1|0;if(Se[a]=u,Ae[k]<<24>>24!=95){var l=0;break}var c=N(r),h=D(r,36,f,c),l=h}else var
l=0;while(0);var l;return l}function U(r){var a=Oe;Oe+=4;var e=a,i=r+12|0,v=Se[i>>2],t=v+1|0;Se[i>>2]=t;var
f=Ae[v]<<24>>24==77;r:do if(f){var _=N(r),s=I(r,e,1);if(0==(0|s)){var n=0;break}var o=N(r);Se[s>>2]=o;var
l=(0|s)==(0|e);do if(!){if(35==(0|Se[o>>2]))break;var b=Se[e>>2],k=R(r,b);if(0==(0|k)){var n=0;break
r}}while(0);var u=Se[e>>2],c=D(r,37,_,u),n=c}else var n=0;while(0);var n;return Oe=a,n}function x(r){var
a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var v=Ae[e]<<24>>24==84;do if(v){if(Ae[i]<<24>>24==95)var
t=0,f=i;else{var _=sr(r);if((0|_)<0){var s=0;break}var t=_+1|0,f=Se[a]}var
f,t;if(Se[a]=f+1|0,Ae[f]<<24>>24!=95){var s=0;break}var n=r+40|0,o=Se[n>>2]+1|0;Se[n>>2]=o;var

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l=Er(r,t,s=1)else var s=0;while(0);var s;return s}function z(r){var a,e=Oe;Oe+=4;var
i=e,v=r+44|0,t=Se[v>>2],a=(r+12|0)>>2,f=Se[a],_=f+1|0;Se[a]=_;var s=Ae[f]<<24>>24==73;r:do
if(s){Se[i>>2]=0;for(var n=i;;){var n,o=_r(r);if(0==(0|o)){var l=0;break r}var
b=D(r,39,o,0);if(Se[n>>2]=b,0==(0|b)){var l=0;break r}var k=Se[a];if(Ae[k]<<24>>24==69)break;var n=b+8|0}var
u=k+1|0;Se[a]=u,Se[v>>2]=t;var l=Se[i>>2]}else var l=0;while(0);var l;return Oe=e,l}function V(r,a){var
e,e=(r+12|0)>>2,i=Se[e],v=i+1|0;Se[e]=v;var t=Ae[i]<<24>>24==83;r:do if(t){var f=i+2|0;Se[e]=f;var
_ =ge[v];if(_<<24>>24==95)var s=0;else{if(!((_ -48&255&255)<10|(_ -65&255&255)<26)){var
n=8&Se[r+8>>2],o=n>>>3,l=0!=(0|n)|0==(0|a);do if(l)var b=o;else{if((Ae[f]-67&255&255)>=2){var
b=o;break}var b=1}while(0);for(var b,k=0|ei;;){var k;if(k>>>0>=(ei+196|0)>>>0){var u=0;break
r}if(_<<24>>24==Ae[0k]<<24>>24)break;var k=k+28|0}var c=Se[k+20>>2];if(0!=(0|c)){var
h=Se[k+24>>2],d=fr(r,c,h);Se[r+44>>2]=d}if(0==(0|b))var w=k+8|0,p=k+4|0;else var w=k+16|0,p=k+12|0;var
p,w,E=Se[w>>2],A=Se[p>>2],g=r+48|0,y=Se[g>>2]+E|0;Se[g>>2]=y;var m=fr(r,A,E),u=m;break}for(var
S=_ ,M=0,C=f;;){var C,M,S;if((S-48&255&255)<10)var R=36*M-48|0;else{if((S-65&255&255)>=26){var
u=0;break r}var R=36*M-55|0}var R,T=(S<<24>>24)+R|0;if((0|T)<0){var u=0;break r}var O=C+1|0;Se[e]=O;var
N=ge[C];if(N<<24>>24==95)break;var S=N,M=T,C=O}var s=T+1|0}var s;if((0|s)>=(0|Se[r+32>>2])){var
u=0;break}var I=r+40|0,P=Se[I>>2]+1|0;Se[I>>2]=P;var u=Se[Se[r+28>>2]+(s<<2)>>2]}else var u=0;while(0);var
u;return u}function B(r,a,e,i){var v,t,f,_,s=Oe;Oe+=28;var n,o=s,_,o>>2;Se[_]=r;var
l=e+1|0,f=(o+12|0)>>2;Se[f]=l;var b=Jr(l),t=(o+4|0)>>2;if(Se[t]=b,0==(0|b))var k=0,u=1;else{var
v=(o+8|0)>>2;Se[v]=0,Se[_+4]=0,Se[_+5]=0;var c=o+24|0;Se[c>>2]=0,H(o,a);var
h=Me[t],d=0==(0|h);do{if(!d){var
w=Me[v];if(w>>>0>=Me[f]>>>0){n=5;break}Se[v]=w+1|0,Ae[h+w|0]=0,n=6;break}n=5}while(0);5==n&&Y(o,0)
;var p=Se[t],E=0==(0|p)?Se[c>>2]:Se[f],k=p,u=E}var u,k;return Se[i>>2]=u,Oe=s,k}function H(r,a){var
e,i,v,t,f,_,s,n,o,l,b,k,u,c,h,d,w,p,E,A,g,y,m,S,M,C,R,T,O,N,I,P,D,L,F,X,j,U,x,z,V,B,K,G,W,J,vr,tr,fr,_r,sr,nr,or,lr,br,k
r,ur,cr,hr,dr,wr,pr=a>>2,Er=r>>2,Ar=Oe;Oe+=184;var
gr,yr=Ar,wr=yr>>2,mr=Ar+64,dr=mr>>2,Sr=Ar+72,Mr=Ar+88,Cr=Ar+104,hr=Cr>>2,Rr=Ar+168,Tr=0==(0|a);r:d
o if(Tr)Z(r);else{var cr=(r+4|0)>>2,Or=Me[cr];if(0==(0|Or))break;var
Nr=0|a,Ir=Me[Nr>>2];a:do{if(0==(0|Ir)){if(0!=(4&Se[Er]|0)){var Pr=Se[pr+1],Dr=Se[pr+2];q(r,Pr,Dr);break r}var
ur=(r+8|0)>>2,Lr=Me[ur],Fr=a+8|0,Xr=Me[Fr>>2];if((Xr+Lr|0)>>>0>Me[Er+3]>>>0){var
jr=Se[pr+1];Q(r,jr,Xr);break r}var Ur=Or+Lr|0,xr=Se[pr+1];Pa(Ur,xr,Xr,1);var
zr=Se[ur]+Se[Fr>>2]|0;Se[ur]=zr;break r}if(1==(0|Ir)|2==(0|Ir)){var Vr=Se[pr+1];H(r,Vr);var
Br=0==(4&Se[Er]|0),Hr=Me[cr],Kr=0!=(0|Hr);e:do if(Br){do if(Kr){var
kr=(r+8|0)>>2,Yr=Me[kr];if((Yr+2|0)>>>0>Me[Er+3]>>>0)break;var
Gr=Hr+Yr|0;oe=14906,Ae[Gr]=255&oe,oe>>>8,Ae[Gr+1]=255&oe;var Wr=Se[kr]+2|0;Se[kr]=Wr;break
e}while(0);Q(r,0|He._str120,2)}else{do if(Kr){var
Zr=r+8|0,Qr=Me[Zr>>2];if(Qr>>>0>=Me[Er+3]>>>0)break;Se[Zr>>2]=Qr+1|0,Ae[Hr+Qr|0]=46;break
e}while(0);Y(r,46)}while(0);var qr=Se[pr+2];H(r,qr);break r}if(3==(0|Ir)){for(var
br=(r+20|0)>>2,$r=Me[br],lr=(r+16|0)>>2,Jr=a,ra=0,aa=$r;;){var aa,ra,Jr,ea=Me[Jr+4>>2];if(0==(0|ea)){var
ia=ra,va=0;gr=33;break}if(ra>>>0>3){Z(r);break r}var
ta=(ra<<4)+yr|0;Se[ta>>2]=aa,Se[br]=ta,Se[((ra<<4)+4>>2)+wr]=ea,Se[((ra<<4)+8>>2)+wr]=0;var
fa=Me[lr];Se[((ra<<4)+12>>2)+wr]=fa;var _a=ra+1|0,sa=0|ea,na=Me[sa>>2];if((na-
25|0)>>>0>=3){gr=25;break}var Jr=ea,ra=_a,aa=ta}e:do
if(25==gr){if(4==(0|na)){Se[dr]=fa,Se[lr]=mr,Se[dr+1]=ea;var oa=Se[sa>>2],la=mr}else var oa=na,la=fa;var
la,oa;if(2!=(0|oa)){var ia=_a,va=sa;break}for(var ba=_a,ka=ea+8|0;;){var ka,ba,ua=Me[ka>>2];if((Se[ua>>2]-
25|0)>>>0>=3){var ia=ba,va=sa;break e}if(ba>>>0>3)break;var ca=(ba<<4)+yr|0,ha=ba-
1|0,da=(ha<<4)+yr|0,or=ca>>2,nr=da>>2;Se[or]=Se[nr],Se[or+1]=Se[nr+1],Se[or+2]=Se[nr+2],Se[or+3]=Se[nr+3],
Se[ca>>2]=da,Se[br]=ca,Se[((ha<<4)+4>>2)+wr]=ua,Se[((ha<<4)+8>>2)+wr]=0,Se[((ha<<4)+12>>2)+wr]=la;var
ba=ba+1|0,ka=ua+4|0}Z(r);break r}while(0);var va,ia,wa=Se[pr+2];if(H(r,wa),4==(0|Se[va>>2])){var
pa=Se[dr];Se[lr]=pa}var Ea=0==(0|ia);e:do if(!Ea)for(var Aa=r+8|0,ga=r+12|0,ya=ia;;){var ya,ma=ya-

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1|0;if(0==(0|Se(((ma<<4)+8>>2)+wr))) { var Sa=Me[cr],Ma=0==(0|Sa);do { if(!Ma) { var
Ca=Me[Aa>>2];if(Ca>>>0>=Me[ga>>2]>>>0) { gr=41;break } Se[Aa>>2]=Ca+1|0,Ae[Ca+1|0]=32,gr=42;break } gr
=41 } while(0);41==gr&&Y(r,32);var Ra=Se(((ma<<4)+4>>2)+wr);$(r,Ra) if(0==(0|ma)) break e;var
ya=ma } while(0);Se[br]=$r;break r } if(4==(0|Ir)) { var sr=(r+20|0)>>2,Ta=Se[sr];Se[sr]=0;var
Oa=Se[pr+1];H(r,Oa);var Na=Me[cr],Ia=0==(0|Na);do { if(!Ia) { var _r=(r+8|0)>>2,Da=Me[_r],La=0==(0|Da);do
if(!La) { if(Ae[Na+(Da-
1)|0]<<24>>24!=60)break;Da>>>0<Me[Er+3]>>>0?(Se[_r]=Da+1|0,Ae[Na+Da|0]=32):Y(r,32) } while(0);var
Fa=Me[cr];if(0==(0|Fa)) { gr=54;break } var
Xa=Me[_r];if(Xa>>>0>=Me[Er+3]>>>0) { gr=54;break } Se[_r]=Xa+1|0,Ae[Fa+Xa|0]=60,gr=55;break } gr=54 } while(
0);54==gr&&Y(r,60);var ja=Se[pr+2];H(r,ja);var Ua=Me[cr],xa=0==(0|Ua);do { if(!xa) { var
fr=(r+8|0)>>2,za=Me[fr],Va=0==(0|za);do { if(!Va) { if(Ae[Ua+(za-
1)|0]<<24>>24!=62)break;za>>>0<Me[Er+3]>>>0?(Se[fr]=za+1|0,Ae[Ua+za|0]=32):Y(r,32) } while(0);var
Ba=Me[cr];if(0==(0|Ba)) { gr=64;break } var
Ha=Me[fr];if(Ha>>>0>=Me[Er+3]>>>0) { gr=64;break } Se[fr]=Ha+1|0,Ae[Ba+Ha|0]=62,gr=65;break } gr=64 } while(
0);64==gr&&Y(r,62),Se[sr]=Ta;break r } if(5==(0|Ir)) { var tr=(r+16|0)>>2,Ka=Me[tr];if(0==(0|Ka)) { Z(r);break
r } for(var Ya=Se[pr+1],Ga=Se[Ka+4>>2];;) { var
Ga,Ya,Wa=Se[Ga+8>>2];if(0==(0|Wa))break;if(39!=(0|Se[Wa>>2])) { Z(r);break
r } if((0|Ya)<1) { if(0!=(0|Ya))break;var Za=Se[Ka>>2];Se[tr]=Za;var Qa=Se[Wa+4>>2];H(r,Qa),Se[tr]=Ka;break
r } var Ya=Ya-1|0,Ga=Wa } Z(r);break r } if(6==(0|Ir)) { var qa=Se[pr+2];H(r,qa);break r } if(7==(0|Ir)) { var
$a=r+8|0,Ja=Me[$a>>2];Ja>>>0<Me[Er+3]>>>0?(Se[$a>>2]=Ja+1|0,Ae[Or+Ja|0]=126):Y(r,126);var
re=Se[pr+2];H(r,re);break r } if(8==(0|Ir)) { var
vr=(r+8|0)>>2,ae=Me[vr];if((ae+11|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str121,11);else { for(var
ee=Or+ae|0,ie=0|He.__str121,ve=ee,te=ie+11;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var fe=Se[vr]+11|0;Se[vr]=fe } var
_e=Se[pr+1];H(r,_e);break r } if(9==(0|Ir)) { var
J=(r+8|0)>>2,se=Me[J];if((se+8|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str122,8);else { var
ne=Or+se|0,le=0|ne;oe=542397526,Ae[le]=255&oe,oe>>=8,Ae[le+1]=255&oe,oe>>=8,Ae[le+2]=255&oe,oe>>=8,
Ae[le+3]=255&oe;var
be=ne+4|0;oe=544370534,Ae[be]=255&oe,oe>>=8,Ae[be+1]=255&oe,oe>>=8,Ae[be+2]=255&oe,oe>>=8,Ae[be+
3]=255&oe;var ke=Se[J+8|0;Se[J]=ke } var ue=Se[pr+1];H(r,ue);break r } if(10==(0|Ir)) { var
W=(r+8|0)>>2,ce=Me[W],he=r+12|0;if((ce+24|0)>>>0>Me[he>>2]>>>0)Q(r,0|He.__str123,24);else { var
de=Or+ce|0;Pa(de,0|He.__str123,24,1);var we=Se[W]+24|0;Se[W]=we } var pe=Se[pr+1];H(r,pe);var
Ee=Me[cr],ge=0==(0|Ee);do { if(!ge) { var ye=Me[W];if((ye+4|0)>>>0>Me[he>>2]>>>0) { gr=96;break } var
me=Ee+ye|0;oe=762210605,Ae[me]=255&oe,oe>>=8,Ae[me+1]=255&oe,oe>>=8,Ae[me+2]=255&oe,oe>>=8,Ae[
me+3]=255&oe;var Ce=Se[W]+4|0;Se[W]=Ce,gr=97;break } gr=96 } while(0);96==gr&&Q(r,0|He.__str124,4);var
Re=Se[pr+2];H(r,Re);break r } if(11==(0|Ir)) { var
G=(r+8|0)>>2,Te=Me[G];if((Te+13|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str125,13);else { for(var
Ne=Or+Te|0,ie=0|He.__str125,ve=Ne,te=ie+13;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var Ie=Se[G]+13|0;Se[G]=Ie } var
Pe=Se[pr+1];H(r,Pe);break r } if(12==(0|Ir)) { var
K=(r+8|0)>>2,De=Me[K];if((De+18|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str126,18);else { for(var
Le=Or+De|0,ie=0|He.__str126,ve=Le,te=ie+18;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var Fe=Se[K]+18|0;Se[K]=Fe } var
Xe=Se[pr+1];H(r,Xe);break r } if(13==(0|Ir)) { var
B=(r+8|0)>>2,je=Me[B];if((je+16|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str127,16);else { for(var
Ue=Or+je|0,ie=0|He.__str127,ve=Ue,te=ie+16;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var xe=Se[B]+16|0;Se[B]=xe } var
ze=Se[pr+1];H(r,ze);break r } if(14==(0|Ir)) { var
V=(r+8|0)>>2,Ve=Me[V];if((Ve+21|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str128,21);else { var
Be=Or+Ve|0;Pa(Be,0|He.__str128,21,1);var Ke=Se[V]+21|0;Se[V]=Ke } var Ye=Se[pr+1];H(r,Ye);break
r } if(15==(0|Ir)) { var z=(r+8|0)>>2,Ge=Me[z];if((Ge+17|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str129,17);else { for(var
We=Or+Ge|0,ie=0|He.__str129,ve=We,te=ie+17;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var Ze=Se[z]+17|0;Se[z]=Ze } var

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Qe=Se[pr+1];H(r,Qe);break r}if(16==(0|Ir)){var
x=(r+8|0)>>2,qe=Me[x];if((qe+26|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str130,26);else{var
$e=Or+qe|0;Pa($e,0|He.__str130,26,1);var Je=Se[x]+26|0;Se[x]=Je}var ri=Se[pr+1];H(r,ri);break
r}if(17==(0|Ir)){var U=(r+8|0)>>2,ai=Me[U];if((ai+15|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str131,15);else{for(var
ei=Or+ai|0,ie=0|He.__str131,ve=ei,te=ie+15;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var ii=Se[U]+15|0;Se[U]=ii}var
vi=Se[pr+1];H(r,vi);break r}if(18==(0|Ir)){var
j=(r+8|0)>>2,ti=Me[j];if((ti+19|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str132,19);else{for(var
fi=Or+ti|0,ie=0|He.__str132,ve=fi,te=ie+19;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var _i=Se[j]+19|0;Se[j]=_i}var
si=Se[pr+1];H(r,si);break r}if(19==(0|Ir)){var
X=(r+8|0)>>2,ni=Me[X];if((ni+24|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str133,24);else{var
oi=Or+ni|0;Pa(oi,0|He.__str133,24,1);var li=Se[X]+24|0;Se[X]=li}var bi=Se[pr+1];H(r,bi);break
r}if(20==(0|Ir)){var F=(r+8|0)>>2,ki=Me[F];if((ki+17|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str134,17);else{for(var
ui=Or+ki|0,ie=0|He.__str134,ve=ui,te=ie+17;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var ci=Se[F]+17|0;Se[F]=ci}var
hi=Se[pr+1];H(r,hi);break r}if(21==(0|Ir)){var
L=(r+8|0)>>2,di=Me[L],wi=a+8|0,pi=Me[wi>>2];if((pi+di|0)>>>0>Me[Er+3]>>>0){var
Ei=Se[pr+1];Q(r,Ei,pi);break r}var Ai=Or+di|0,gi=Se[pr+1];Pa(Ai,gi,pi,1);var
yi=Se[L]+Se[wi>>2]|0;Se[L]=yi;break r}if(22==(0|Ir)||23==(0|Ir)||24==(0|Ir)){for(var mi=r+20|0;){var
mi,Si=Me[mi>>2];if(0==(0|Si))break a;if(0==(0|Se[Si+8>>2])){var Mi=Me[Se[Si+4>>2]>>2];if((Mi-
22|0)>>>0>=3)break a;if((0|Mi)==(0|Ir))break}var mi=0|Si}var Ci=Se[pr+1];H(r,Ci);break
r}if(25!=(0|Ir)&&26!=(0|Ir)&&27!=(0|Ir)&&28!=(0|Ir)&&29!=(0|Ir)&&30!=(0|Ir)&&31!=(0|Ir)&&32!=(0|Ir)){if(3
3==(0|Ir)){var D=(r+8|0)>>2,Ri=Me[D],P=(a+4|0)>>2,I=Me[P]>>2;if(0==(4&Se[Er]|0)){var
Ti=Me[I+1];if((Ti+Ri|0)>>>0>Me[Er+3]>>>0){var Oi=Se[I];Q(r,Oi,Ti);break r}var
Ni=Or+Ri|0,Ii=Se[I];Pa(Ni,Ii,Ti,1);var Pi=Se[D]+Se[Se[P]+4>>2]|0;Se[D]=Pi;break r}var
Di=Me[I+3];if((Di+Ri|0)>>>0>Me[Er+3]>>>0){var Li=Se[I+2];Q(r,Li,Di);break r}var
Fi=Or+Ri|0,Xi=Se[I+2];Pa(Fi,Xi,Di,1);var ji=Se[D]+Se[Se[P]+12>>2]|0;Se[D]=ji;break r}if(34==(0|Ir)){var
Ui=Se[pr+1];H(r,Ui);break r}if(35==(0|Ir)){var N=(0|r)>>2;if(0!=(32&Se[N]|0)){var xi=Se[Er+5];rr(r,a,xi)}var
zi=a+4|0,Vi=0==(0|Se[zi>>2]);e:do if(!Vi){var
O=(r+20|0)>>2,Bi=Se[O],Hi=0|Mr;Se[Hi>>2]=Bi,Se[O]=Mr,Se[Mr+4>>2]=a;var Ki=Mr+8|0;Se[Ki>>2]=0;var
Yi=Se[Er+4];Se[Mr+12>>2]=Yi;var Gi=Se[zi>>2];H(r,Gi);var
Wi=Se[Hi>>2];if(Se[O]=Wi,0!=(0|Se[Ki>>2]))break r;if(0!=(32&Se[N]|0))break;var Zi=Me[cr],Qi=0==(0|Zi);do
if(!Qi){var qi=r+8|0,$i=Me[qi>>2];if($i>>>0>=Me[Er+3]>>>0)break;Se[qi>>2]=$i+1|0,Ae[Zi+$i|0]=32;break
e}while(0);Y(r,32)}while(0);if(0!=(32&Se[N]|0))break r;var Ji=Se[Er+5];rr(r,a,ji);break r}if(36==(0|Ir)){var
T=(r+20|0)>>2,rv=Me[T],av=0|Cr;Se[hr]=rv,Se[T]=av,Se[hr+1]=a;var ev=Cr+8|0;Se[ev>>2]=0;var
iv=Se[Er+4];Se[hr+3]=iv;for(var vv=rv,tv=1;){var tv,vv;if(0==(0|vv))break;if((Se[Se[vv+4>>2]>>2]-
22|0)>>>0>=3)break;var fv=vv+8|0;if(0==(0|Se[fv>>2])){if(tv>>>0>3){Z(r);break r}var
_v=(tv<<4)+Cr|0,R=_v>>2,C=vv>>2;Se[R]=Se[C],Se[R+1]=Se[C+1],Se[R+2]=Se[C+2],Se[R+3]=Se[C+3];var
sv=Se[T];Se[_v>>2]=sv,Se[T]=_v,Se[fv>>2]=1;var nv=tv+1|0}else var nv=tv;var nv,vv=Se[vv>>2],tv=nv}var
ov=Se[pr+2];if(H(r,ov),Se[T]=rv,0!=(0|Se[ev>>2]))break r;if(tv>>>0>1){for(var lv=tv;){var lv,bv=lv-
1|0,kv=Se[((bv<<4)+4>>2)+hr];if($ (r,kv),bv>>>0<=1)break;var lv=bv}var uv=Se[T]}else var uv=rv;var
uv;ar(r,a,uv);break r}if(37==(0|Ir)){var
M=(r+20|0)>>2,cv=Se[M],hv=0|Rr;Se[hv>>2]=cv,Se[M]=Rr,Se[Rr+4>>2]=a;var dv=Rr+8|0;Se[dv>>2]=0;var
wv=Se[Er+4];Se[Rr+12>>2]=wv;var pv=a+4|0,Ev=Se[pr+2];H(r,Ev);var Av=0==(0|Se[dv>>2]);e:do if(Av){var
gv=Me[cr],yv=0==(0|gv);do{if(!yv){var
mv=r+8|0,Sv=Me[mv>>2];if(Sv>>>0>=Me[Er+3]>>>0){gr=187;break}Se[mv>>2]=Sv+1|0,Ae[gv+Sv|0]=32,gr=18
8;break}gr=187}while(0);187==gr&&Y(r,32);var Mv=Se[pv>>2];H(r,Mv);var Cv=Me[cr],Rv=0==(0|Cv);do
if(!Rv){var S=(r+8|0)>>2,Tv=Me[S];if((Tv+3|0)>>>0>Me[Er+3]>>>0)break;var
Ov=Cv+Tv|0;Ae[Ov]=Ae[0|He.__str135],Ae[Ov+1]=Ae[(0|He.__str135)+1],Ae[Ov+2]=Ae[(0|He.__str135)+2];var
Nv=Se[S]+3|0;Se[S]=Nv;break e}while(0);Q(r,0|He.__str135,3)}while(0);var Iv=Se[hv>>2];Se[M]=Iv;break

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r}if(38==(0|Ir)||39==(0|Ir)){var Pv=Se[pr+1];H(r,Pv);var Dv=a+8|0;if(0==(0|Se[Dv>>2]))break r;var
Lv=Me[cr],Fv=0==(0|Lv);do{if(!Fv){var
m=(r+8|0)>>2,Xv=Me[m];if((Xv+2|0)>>>0>Me[Er+3]>>>0){gr=197;break}var
jv=Lv+Xv|0;oe=8236,Ae[jv]=255&oe,oe>>=8,Ae[jv+1]=255&oe;var
Uv=Se[m]+2|0;Se[m]=Uv,gr=198;break}gr=197}while(0);197==gr&&Q(r,0|He.__str136,2);var
xv=Se[Dv>>2];H(r,xv);break r}if(40==(0|Ir)){var
y=(r+8|0)>>2,zv=Me[y],g=(r+12|0)>>2;if((zv+8|0)>>>0>Me[g]>>>0)Q(r,0|He.__str137,8);else{var
Vv=Or+zv|0,le=0|Vv;oe=1919250543,Ae[le]=255&oe,oe>>=8,Ae[le+1]=255&oe,oe>>=8,Ae[le+2]=255&oe,oe>>
=8,Ae[le+3]=255&oe;var
be=Vv+4|0;oe=1919906913,Ae[be]=255&oe,oe>>=8,Ae[be+1]=255&oe,oe>>=8,Ae[be+2]=255&oe,oe>>=8,Ae[be
+3]=255&oe;var Bv=Se[y]+8|0;Se[y]=Bv}var A=(a+4|0)>>2,Hv=(Ae[Se[Se[A]+4>>2]]-97&255&255)<26;e:do
if(Hv){var Kv=Me[cr],Yv=0==(0|Kv);do if(!Yv){var
Gv=Me[y];if(Gv>>>0>=Me[g]>>>0)break;Se[y]=Gv+1|0,Ae[Kv+Gv|0]=32;break e}while(0);Y(r,32)}while(0);var
Wv=Me[cr],Zv=0==(0|Wv);do{if(!Zv){var
Qv=Me[y],qv=Me[A],$v=Me[qv+8>>2];if(($v+Qv|0)>>>0>Me[g]>>>0){var Jv=qv,rt=$v;break}var
at=Wv+Qv|0,et=Se[qv+4>>2];Pa(at,et,$v,1);var it=Se[y]+Se[Se[A]+8>>2]|0;Se[y]=it;break r}var
vt=Me[A],Jv=vt,rt=Se[vt+8>>2]}while(0);var rt,Jv,tt=Se[Jv+4>>2];Q(r,tt,rt);break r}if(41==(0|Ir)){var
E=(r+8|0)>>2,ft=Me[E];if((ft+9|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str10180,9);else{for(var
_t=Or+ft|0,ie=0|He.__str10180,ve=_t,te=ie+9;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var st=Se[E]+9|0;Se[E]=st}var
nt=Se[pr+2];H(r,nt);break r}if(42==(0|Ir)){var
p=(r+8|0)>>2,ot=Me[p];if((ot+9|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str10180,9);else{for(var
lt=Or+ot|0,ie=0|He.__str10180,ve=lt,te=ie+9;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var
bt=Se[p]+9|0;Se[p]=bt}er(r,a);break r}if(43==(0|Ir)){var kt=a+4|0,ut=Se[kt>>2],ct=42==(0|Se[ut>>2]);e:do
if(ct){var w=(r+8|0)>>2,ht=Me[w],dt=r+12|0;ht>>>0<Me[dt>>2]>>>0?(Se[w]=ht+1|0,Ae[Or+ht|0]=40):Y(r,40);var
wt=Se[kt>>2];er(r,wt);var pt=Me[cr],Et=0==(0|pt);do if(!Et){var
At=Me[w];if(At>>>0>=Me[dt>>2]>>>0)break;Se[w]=At+1|0,Ae[pt+At|0]=41;break e}while(0);Y(r,41)}else
ir(r,ut);while(0);var gt=Me[cr],yt=0==(0|gt);do{if(!yt){var
mt=r+8|0,St=Me[mt>>2];if(St>>>0>=Me[Er+3]>>>0){gr=232;break}Se[mt>>2]=St+1|0,Ae[gt+St|0]=40,gr=233;br
eak}gr=232}while(0);232==gr&&Y(r,40);var Mt=Se[pr+2];H(r,Mt);var Ct=Me[cr],Rt=0==(0|Ct);do if(!Rt){var
Tt=r+8|0,Ot=Me[Tt>>2];if(Ot>>>0>=Me[Er+3]>>>0)break;Se[Tt>>2]=Ot+1|0,Ae[Ct+Ot|0]=41;break
r}while(0);Y(r,41);break r}if(44==(0|Ir)){var d=(a+8|0)>>2;if(45==(0|Se[Se[d]>>2])){var
h=(a+4|0)>>2,Nt=Se[h],It=40==(0|Se[Nt>>2]);do if(It){var
Pt=Se[Nt+4>>2];if(1!=(0|Se[Pt+8>>2]))break;if(Ae[Se[Pt+4>>2]]<<24>>24!=62)break;var
Dt=r+8|0,Lt=Me[Dt>>2];Lt>>>0<Me[Er+3]>>>0?(Se[Dt>>2]=Lt+1|0,Ae[Or+Lt|0]=40):Y(r,40)}while(0);var
Ft=Me[cr],Xt=0==(0|Ft);do{if(!Xt){var
jt=r+8|0,Ut=Me[jt>>2];if(Ut>>>0>=Me[Er+3]>>>0){gr=248;break}Se[jt>>2]=Ut+1|0,Ae[Ft+Ut|0]=40,gr=249;brea
k}gr=248}while(0);248==gr&&Y(r,40);var xt=Se[Se[d]+4>>2];H(r,xt);var zt=Me[cr],Vt=0==(0|zt);do{if(!Vt){var
c=(r+8|0)>>2,Bt=Me[c];if((Bt+2|0)>>>0>Me[Er+3]>>>0){gr=252;break}var
Ht=zt+Bt|0;oe=8233,Ae[Ht]=255&oe,oe>>=8,Ae[Ht+1]=255&oe;var
Kt=Se[c]+2|0;Se[c]=Kt,gr=253;break}gr=252}while(0);252==gr&&Q(r,0|He.__str139,2);var Yt=Se[h];ir(r,Yt);var
Gt=Me[cr],Wt=0==(0|Gt);do{if(!Wt){var
u=(r+8|0)>>2,Zt=Me[u];if((Zt+2|0)>>>0>Me[Er+3]>>>0){gr=256;break}var
Qt=Gt+Zt|0;oe=10272,Ae[Qt]=255&oe,oe>>=8,Ae[Qt+1]=255&oe;var
qt=Se[u]+2|0;Se[u]=qt,gr=257;break}gr=256}while(0);256==gr&&Q(r,0|He.__str140,2);var
$t=Se[Se[d]+8>>2];H(r,$t);var Jt=Me[cr],rf=0==(0|Jt);do{if(!rf){var
af=r+8|0,ef=Me[af>>2];if(ef>>>0>=Me[Er+3]>>>0){gr=260;break}Se[af>>2]=ef+1|0,Ae[Jt+ef|0]=41,gr=261;brea
k}gr=260}while(0);260==gr&&Y(r,41);var vf=Se[h];if(40!=(0|Se[vf>>2]))break r;var
tf=Se[vf+4>>2];if(1!=(0|Se[tf+8>>2]))break r;if(Ae[Se[tf+4>>2]]<<24>>24!=62)break r;var

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ff=Me[cr],_f=0==(0|ff);do if(!_f){ var
sf=r+8|0,nf=Me[sf>>2];if(nf>>>0>=Me[Er+3]>>>0)break;Se[sf>>2]=nf+1|0,Ae[ff+nf|0]=41;break
r} while(0);Y(r,41);break r}Z(r);break r}if(45==(0|Ir)){Z(r);break r}if(46==(0|Ir)){ var
of=a+4|0,k=(a+8|0)>>2,lf=Se[k],bf=47==(0|Se[lf>>2]);do if(bf){if(48!=(0|Se[Se[lf+8>>2]>>2]))break;var
b=(r+8|0)>>2,kf=Me[b],l=(r+12|0)>>2;kf>>>0<Me[l]>>>0?(Se[b]=kf+1|0,Ae[Or+kf|0]=40):Y(r,40);var
uf=Se[Se[k]+4>>2];H(r,uf);var cf=Me[cr],hf=0==(0|cf);do {if(!hf){ var
df=Me[b];if((df+2|0)>>>0>Me[l]>>>0){ gr=278;break } var
wf=cf+df|0;oe=8233,Ae[wf]=255&oe,oe>>>8,Ae[wf+1]=255&oe;var
pf=Se[b]+2|0;Se[b]=pf,gr=279;break }gr=278} while(0);278==gr&&Q(r,0|He.__str139,2);var
Ef=Se[of>>2];ir(r,Ef);var Af=Me[cr],gf=0==(0|Af);do {if(!gf){ var
yf=Me[b];if((yf+2|0)>>>0>Me[l]>>>0){ gr=282;break } var
mf=Af+yf|0;oe=10272,Ae[mf]=255&oe,oe>>>8,Ae[mf+1]=255&oe;var
Sf=Se[b]+2|0;Se[b]=Sf,gr=283;break }gr=282} while(0);282==gr&&Q(r,0|He.__str140,2);var
Mf=Se[Se[Se[k]+8>>2]+4>>2];H(r,Mf);var Cf=Me[cr],Rf=0==(0|Cf);do {if(!Rf){ var
Tf=Me[b];if((Tf+5|0)>>>0>Me[l]>>>0){ gr=286;break } var
Of=Cf+Tf|0;Ae[Of]=Ae[0|He.__str141],Ae[Of+1]=Ae[(0|He.__str141)+1],Ae[Of+2]=Ae[(0|He.__str141)+2],Ae[Of
+3]=Ae[(0|He.__str141)+3],Ae[Of+4]=Ae[(0|He.__str141)+4];var
Nf=Se[b]+5|0;Se[b]=Nf,gr=287;break }gr=286} while(0);286==gr&&Q(r,0|He.__str141,5);var
If=Se[Se[Se[k]+8>>2]+8>>2];H(r,If);var Pf=Me[cr],Df=0==(0|Pf);do if(!Df){ var
Lf=Me[b];if(Lf>>>0>=Me[l]>>>0)break;Se[b]=Lf+1|0,Ae[Pf+Lf|0]=41;break r} while(0);Y(r,41);break
r} while(0);Z(r);break r}if(47==(0|Ir)||48==(0|Ir)){Z(r);break r}if(49==(0|Ir)||50==(0|Ir)){ var
Ff=a+4|0,Xf=Se[Ff>>2],jf=33==(0|Se[Xf>>2]);do {if(jf){ var
Uf=Me[Se[Xf+4>>2]+16>>2];if(1==(0|Uf)||2==(0|Uf)||3==(0|Uf)||4==(0|Uf)||5==(0|Uf)||6==(0|Uf)){ var
xf=a+8|0;if(0!=(0|Se[Se[xf>>2]>>2])){ var zf=Uf;break }if(50==(0|Ir)){ var
Vf=r+8|0,Bf=Me[Vf>>2];Bf>>>0<Me[Er+3]>>>0?(Se[Vf>>2]=Bf+1|0,Ae[Or+Bf|0]=45):Y(r,45)} var
Hf=Se[xf>>2];if(H(r,Hf),2==(0|Uf)){ var Kf=Me[cr],Yf=0==(0|Kf);do if(!Yf){ var
Gf=r+8|0,Wf=Me[Gf>>2];if(Wf>>>0>=Me[Er+3]>>>0)break;Se[Gf>>2]=Wf+1|0,Ae[Kf+Wf|0]=117;break
r} while(0);Y(r,117);break r}if(3==(0|Uf)){ var Zf=Me[cr],Qf=0==(0|Zf);do if(!Qf){ var
qf=r+8|0,$f=Me[qf>>2];if($f>>>0>=Me[Er+3]>>>0)break;Se[qf>>2]=$f+1|0,Ae[Zf+$f|0]=108;break
r} while(0);Y(r,108);break r}if(4==(0|Uf)){ var Jf=Me[cr],r_=0==(0|Jf);do if(!r_){ var
o=(r+8|0)>>2,a_=Me[o];if((a_+2|0)>>>0>Me[Er+3]>>>0)break;var
e_=Jf+a_|0;oe=27765,Ae[e_]=255&oe,oe>>>8,Ae[e_+1]=255&oe;var i_=Se[o]+2|0;Se[o]=i_;break
r} while(0);Q(r,0|He.__str142,2);break r}if(5==(0|Uf)){ var v_=Me[cr],t_=0==(0|v_);do if(!t_){ var
n=(r+8|0)>>2,f_=Me[n];if((f_+2|0)>>>0>Me[Er+3]>>>0)break;var
__=v_+f_|0;oe=27756,Ae[__]=255&oe,oe>>>8,Ae[__+1]=255&oe;var s_=Se[n]+2|0;Se[n]=s_;break
r} while(0);Q(r,0|He.__str143,2);break r}if(6==(0|Uf)){ var n_=Me[cr],o_=0==(0|n_);do if(!o_){ var
s=(r+8|0)>>2,l_=Me[s];if((l_+3|0)>>>0>Me[Er+3]>>>0)break;var
b_=n_+l_|0;Ae[b_]=Ae[0|He.__str144],Ae[b_+1]=Ae[(0|He.__str144)+1],Ae[b_+2]=Ae[(0|He.__str144)+2];var
k_=Se[s]+3|0;Se[s]=k_;break r} while(0);Q(r,0|He.__str144,3);break r}break r}if(7==(0|Uf)){ var
_=Se[pr+2]>>2;if(0!=(0|Se[_])){ var zf=7;break }if(!(1==(0|Se[_+2])&49==(0|Ir))){ var zf=Uf;break }var
u_=Ae[Se[_+1]]<<24>>24;if(48==(0|u_)){ var
f=(r+8|0)>>2,c_=Me[f];if((c_+5|0)>>>0>Me[Er+3]>>>0){ Q(r,0|He.__str145,5);break r} var
h_=Or+c_|0;Ae[h_]=Ae[0|He.__str145],Ae[h_+1]=Ae[(0|He.__str145)+1],Ae[h_+2]=Ae[(0|He.__str145)+2],Ae[h
+3]=Ae[(0|He.__str145)+3],Ae[h_+4]=Ae[(0|He.__str145)+4];var d_=Se[f]+5|0;Se[f]=d_;break
r}if(49==(0|u_)){ var t=(r+8|0)>>2,w_=Me[t];if((w_+4|0)>>>0>Me[Er+3]>>>0){ Q(r,0|He.__str146,4);break r} var
p_=Or+w_|0;oe=1702195828,Ae[p_]=255&oe,oe>>>8,Ae[p_+1]=255&oe,oe>>>8,Ae[p_+2]=255&oe,oe>>>8,Ae[
p_+3]=255&oe;var E_=Se[t]+4|0;Se[t]=E_;break r}var zf=Uf;break }var zf=Uf;break }var zf=0} while(0);var
zf,v=(r+8|0)>>2,A_=Me[v],i=(r+12|0)>>2;A_>>>0<Me[i]>>>0?(Se[v]=A_+1|0,Ae[Or+A_|0]=40):Y(r,40);var

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g_=Se[Ff>>2];H(r,g_);var y_=Me[cr],m_=0==(0|y_);do{if(!m_){ var
S_=Me[v];if(S_>>>0>=Me[i]>>>0){ gr=335;break }Se[v]=S_+1|0,Ae[y_+S_0]=41,gr=336;break }gr=335} while(0);
335==gr&&Y(r,41);var M_=50==(0|Se[Nr>>2]);e:do if(M_){ var C_=Me[cr],R_=0==(0|C_);do if(!R_){ var
T_=Me[v];if(T_>>>0>=Me[i]>>>0)break;Se[v]=T_+1|0,Ae[C_+T_0]=45;break
e} while(0);Y(r,45)} while(0);if(8==(0|zf)){ var O_=Me[cr],N_=0==(0|O_);do{if(!N_){ var
I_=Me[v];if(I_>>>0>=Me[i]>>>0){ gr=345;break }Se[v]=I_+1|0,Ae[O_+I_0]=91,gr=346;break }gr=345} while(0);3
45==gr&&Y(r,91);var P_=Se[pr+2];H(r,P_);var D_=Me[cr],L_=0==(0|D_);do if(!L_){ var
F_=Me[v];if(F_>>>0>=Me[i]>>>0)break;Se[v]=F_+1|0,Ae[D_+F_0]=93;break r} while(0);Y(r,93);break r} var
X_=Se[pr+2];H(r,X_);break r}Z(r);break r} } while(0);var
e=(r+20|0)>>2,j_=Se[e],U_=0|Sr;Se[U_>>2]=j_,Se[e]=Sr,Se[Sr+4>>2]=a;var x_=Sr+8|0;Se[x_>>2]=0;var
z_=Se[Er+4];Se[Sr+12>>2]=z_;var V_=Se[pr+1];H(r,V_),0==(0|Se[x_>>2])&&$(r,a);var
B_=Se[U_>>2];Se[e]=B_} while(0);Oe=Ar}function K(r,a,e,i){ var
v=i>>2;Se[v]=r,Se[v+1]=r+e|0,Se[v+2]=a,Se[v+3]=r,Se[v+6]=e<<1,Se[v+5]=0,Se[v+9]=e,Se[v+8]=0,Se[v+10]=0,
Se[v+11]=0,Se[v+12]=0}function Y(r,a){ var e,i=r+4|0,v=Me[i>>2],t=0==(0|v);do if(!t){ var
e=(r+8|0)>>2,f=Me[e];if(f>>>0<Me[r+12>>2]>>>0)var _v,s=f;else{tr(r,1);var n=Me[i>>2];if(0==(0|n))break;var
_ n,s=Se[e]} var s,_;Ae[_+s|0]=255&a;var o=Se[e]+1|0;Se[e]=o} while(0)}function G(r,a,e,i){ var
v,t=i>>2,f=Oe;Oe+=4;var _f,v=_>>2,s=0==(0|r);do if(s){ if(0==(0|i)){ var n=0;break }Se[t]=-3;var n=0} else{ var
o=0==(0|e);if(0!=(0|a)&o){ if(0==(0|i)){ var n=0;break }Se[t]=-3;var n=0} else{ var
l=W(r,_);if(0==(0|l)){ if(0==(0|i)){ var n=0;break }if(1==(0|Se[v])){ Se[t]=-1;var n=0} else{ Se[t]=-2;var
n=0} } else{ var b=0==(0|a);do if(b){ if(o){ var k=l;break } var u=Se[v];Se[e>>2]=u;var k=l} else{ var
c=Ca(l);if(c>>>0<Me[e>>2]>>>0){ Ra(a,l);va(l);var k=a} else{ va(a);var h=Se[v];Se[e>>2]=h;var k=l} } while(0);var
k;if(0==(0|i)){ var n=k;break }Se[t]=0;var n=k} } } while(0);var n;return Oe=f,n}function W(r,a){ var
e,i=Oe;Oe+=52;var v,t=i,e=t>>2;Se[a>>2]=0;var
f=Ca(r),_ =Ae[r]<<24>>24==95;do{if(_){ if(Ae[r+1|0]<<24>>24==90){ var
s=0;v=13;break }v=3;break }v=3} while(0);do if(3==v){ var n=Na(r,0|He.__str117,8);if(0!=(0|n)){ var
s=1;v=13;break } var o=Ae[r+8|0];if(o<<24>>24!=46&&o<<24>>24!=95&&o<<24>>24!=36){ var
s=1;v=13;break } var l=r+9|0,b=Ae[l];if(b<<24>>24!=68&&b<<24>>24!=73){\\nvar
s=1;v=13;break }if(Ae[r+10|0]<<24>>24!=95){ var s=1;v=13;break } var
k=f+29|0,u=Jr(k);if(0==(0|u)){ Se[a>>2]=1;var
c=0;v=19;break } Ae[l]<<24>>24==73?Pa(u,0|He.__str118,30,1):Pa(u,0|He.__str119,29,1);var
h=r+11|0,c=(Ia(u,h),u);v=19;break } while(0);if(13==v){ var s;K(r,17,f,t);var
d=Se[e+6],w=Ta(),p=Oe;Oe+=12*d,Oe=Oe+3>>2<<2;var
E=Oe;if(Oe+=4*Se[e+9],Oe=Oe+3>>2<<2,Se[e+4]=p,Se[e+7]=E,s)var A=N(t),g=A;else var y=T(t,1),g=y;var
g,m=Ae[Se[e+3]]<<24>>24==0?g:0,S=Se[e+12]+f+10*Se[e+10]|0;if(0==(0|m))var M=0;else var
C=S/8+S|0,R=B(17,m,C,a),M=R;var M;Oa(w);var c=M} var c;return Oe=i,c}function Z(r){ var
a=r+4|0,e=Se[a>>2];va(e),Se[a>>2]=0}function Q(r,a,e){ var i,v=r+4|0,t=Me[v>>2],f=0==(0|t);do if(!f){ var
i=(r+8|0)>>2,_ =Me[i];if(_+e|0)>>>0>Me[r+12>>2]>>>0){ tr(r,e);var s=Me[v>>2];if(0==(0|s))break;var
n=s,o=Se[i]} else var n=t,o=_;var o,n;Pa(n+o|0,a,e,1);var l=Se[i]+e|0;Se[i]=l} while(0)}function q(r,a,e){ var
i,v,t=a+e|0,f=(0|e)>0;r:do if(f)for(var _t,s=r+4|0,i=(r+8|0)>>2,n=r+12|0,o=a;){ var o,l=(_
o|0)>3;a:do{ if(l){ if(Ae[o]<<24>>24!=95){ v=21;break }if(Ae[o+1|0]<<24>>24!=95){ v=21;break }if(Ae[o+2|0]<<24
>>24!=85){ v=21;break }for(var b=o+3|0,k=0;){ var k,b;if(b>>>0>=t>>>0){ v=21;break a} var
u=ge[b],c=u<<24>>24;if((u-48&255&255)<10)var h=c-48|0;else if((u-65&255&255)<6)var h=c-55|0;else{ if((u-
97&255&255)>=6)break;var h=c-87|0} var
h,b=b+1|0,k=(k<<4)+h|0)if(!(u<<24>>24==95&k>>>0<256)){ v=21;break } var d=Me[s>>2],w=0==(0|d);do
if(!w){ var p=Me[i];if(p>>>0>=Me[n>>2]>>>0)break;Se[i]=p+1|0,Ae[d+p|0]=255&k;var E=b;v=25;break
a} while(0);Y(r,k);var E=b;v=25;break }v=21} while(0);a:do if(21==v){ var A=Me[s>>2],g=0==(0|A);do if(!g){ var
y=Me[i];if(y>>>0>=Me[n>>2]>>>0)break;var m=Ae[o];Se[i]=y+1|0,Ae[A+y|0]=m;var E=o;break a} while(0);var
S=Ae[o]<<24>>24;Y(r,S);var E=o} while(0);var E,M=E+1|0;if(M>>>0>=t>>>0)break r;var

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o=M} while(0)} function $(r,a){ var e,i,v,t,f,_s,n=r>>2,o=Se[a>>2];r:do if(22==(0|o)||25==(0|o)){ var
l=Me[n+1],b=0==(0|l);do if(!b){ var _(r+8|0)>>2,k=Me[_];if((k+9|0)>>>0>Me[n+3]>>>0)break;for(var
u=l+k|0,c=0|He.__str147,h=u,d=c+9;c<d;c++,h++)Ae[h]=Ae[c];var w=Se[_+9|0;Se[_]=w;break
r} while(0);Q(r,0|He.__str147,9)} else if(23==(0|o)||26==(0|o)){ var p=Me[n+1],E=0==(0|p);do if(!E){ var
f=(r+8|0)>>2,A=Me[f];if((A+9|0)>>>0>Me[n+3]>>>0)break;for(var
g=p+A|0,c=0|He.__str148,h=g,d=c+9;c<d;c++,h++)Ae[h]=Ae[c];var y=Se[f+9|0;Se[f]=y;break
r} while(0);Q(r,0|He.__str148,9)} else if(24==(0|o)||27==(0|o)){ var m=Me[n+1],S=0==(0|m);do if(!S){ var
t=(r+8|0)>>2,M=Me[t];if((M+6|0)>>>0>Me[n+3]>>>0)break;var
C=m+M|0;Ae[C]=Ae[0|He.__str149],Ae[C+1]=Ae[(0|He.__str149)+1],Ae[C+2]=Ae[(0|He.__str149)+2],Ae[C+3]=
Ae[(0|He.__str149)+3],Ae[C+4]=Ae[(0|He.__str149)+4],Ae[C+5]=Ae[(0|He.__str149)+5];var
R=Se[t+6|0;Se[t]=R;break r} while(0);Q(r,0|He.__str149,6)} else if(28==(0|o)){ var
T=Me[n+1],O=0==(0|T);do if(!O){ var
N=r+8|0,I=Me[N>>2];if(I>>>0>=Me[n+3]>>>0){ s=17;break }Se[N>>2]=I+1|0,Ae[T+I|0]=32,s=18;break }s=17} wh
ile(0);17==s&&Y(r,32);var P=Se[a+8>>2];H(r,P)} else if(29==(0|o)){ if(0!=(4&Se[n|0))break;var
D=Me[n+1],L=0==(0|D);do if(!L){ var
F=r+8|0,X=Me[F>>2];if(X>>>0>=Me[n+3]>>>0)break;Se[F>>2]=X+1|0,Ae[D+X|0]=42;break
r} while(0);Y(r,42)} else if(30==(0|o)){ var j=Me[n+1],U=0==(0|j);do if(!U){ var
x=r+8|0,z=Me[x>>2];if(z>>>0>=Me[n+3]>>>0)break;Se[x>>2]=z+1|0,Ae[j+z|0]=38;break r} while(0);Y(r,38)} else
if(31==(0|o)){ var V=Me[n+1],B=0==(0|V);do if(!B){ var
v=(r+8|0)>>2,K=Me[v];if((K+8|0)>>>0>Me[n+3]>>>0)break;var
G=V+K|0,W=0|G;oe=1886220131,Ae[W]=255&oe,oe>>=8,Ae[W+1]=255&oe,oe>>=8,Ae[W+2]=255&oe,oe>>=8
,Ae[W+3]=255&oe;var
Z=G+4|0;oe=544761196,Ae[Z]=255&oe,oe>>=8,Ae[Z+1]=255&oe,oe>>=8,Ae[Z+2]=255&oe,oe>>=8,Ae[Z+3]=2
55&oe;var q=Se[v+8|0;Se[v]=q;break r} while(0);Q(r,0|He.__str150,8)} else if(32==(0|o)){ var
$=Me[n+1],J=0==(0|$);do if(!J){ var i=(r+8|0)>>2,rr=Me[i];if((rr+10|0)>>>0>Me[n+3]>>>0)break;for(var
ar=$+rr|0,c=0|He.__str151,h=ar,d=c+10;c<d;c++,h++)Ae[h]=Ae[c];var er=Se[i+10|0;Se[i]=er;break
r} while(0);Q(r,0|He.__str151,10)} else if(37==(0|o)){ var ir=r+4|0,vr=Me[ir>>2],tr=0==(0|vr);do {if(!tr){ var
fr=r+8|0,_r=Me[fr>>2];if(0!=(0|_r)&&Ae[vr+(_r-
1)|0]<<24>>24==40){ s=42;break }if(_r>>>0>=Me[n+3]>>>0){ s=41;break }Se[fr>>2]=_r+1|0,Ae[vr+_r|0]=32,s=42;
break }s=41} while(0);41==s&&Y(r,32);var sr=Se[a+4>>2];H(r,sr);var nr=Me[ir>>2],or=0==(0|nr);do if(!or){ var
e=(r+8|0)>>2,lr=Me[e];if((lr+3|0)>>>0>Me[n+3]>>>0)break;var
br=nr+lr|0;Ae[br]=Ae[0|He.__str135],Ae[br+1]=Ae[(0|He.__str135)+1],Ae[br+2]=Ae[(0|He.__str135)+2];var
kr=Se[e+3|0;Se[e]=kr;break r} while(0);Q(r,0|He.__str135,3)} else if(3==(0|o)){ var ur=Se[a+4>>2];H(r,ur)} else
H(r,a);while(0)} function J(r){ var a=r+20|0,e=Se[a>>2];if((0|e)<(0|Se[r+24>>2])){ var
i=Se[r+16>>2]+12*e|0,v=e+1|0;Se[a>>2]=v;var t=i} else var t=0;var t;return t} function rr(r,a,e){ var
i,v,t,f,_r>>2,s=e,t=s>>2,n=0;r:for(;;){ var n,s,o=0==(0|s);do if(!o){ if(0!=(0|Se[t+2]))break;var
l=Se[Se[t+1]>>2];if(29==(0|l)||30==(0|l)){ f=9;break
r} if(22==(0|l)||23==(0|l)||24==(0|l)||28==(0|l)||31==(0|l)||32==(0|l)||37==(0|l)){ var b=Se[_+1];f=12;break r} var
s=Se[t],t=s>>2,n=1;continue r} while(0);if(0!=(0|Se[a+4>>2])&0==(0|n)){ f=9;break } var
k=0,u=r+4|0,v=u>>2;f=22;break } do if(9==f){ var c=Se[_+1];if(0==(0|c)){ f=17;break } var
h=Se[_+2];if(0==(0|h)){ var d=c;f=13;break } var w=Ae[c+(h-
1)|0];if(w<<24>>24==40||w<<24>>24==42){ f=18;break } var b=c;f=12;break } while(0);do if(12==f){ var
b;if(0==(0|b)){ f=17;break } var d=b;f=13;break } while(0);do if(13==f){ var
d,p=r+8|0,E=Me[p>>2];if(0!=(0|E)&&Ae[d+(E-
1)|0]<<24>>24==32){ f=18;break }if(E>>>0>=Me[_+3]>>>0){ f=17;break }Se[p>>2]=E+1|0,Ae[d+E|0]=32,f=18;bre
ak } while(0);do if(17==f){ Y(r,32),f=18;break } while(0);r:do if(18==f){ var A=r+4|0,g=Me[A>>2],y=0==(0|g);do
if(!y){ var m=r+8|0,S=Me[m>>2];if(S>>>0>=Me[_+3]>>>0)break;Se[m>>2]=S+1|0,Ae[g+S|0]=40;var
k=1,u=A,v=u>>2;break r} while(0);Y(r,40);var k=1,u=A,v=u>>2} while(0);var

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u,k,i=(r+20|0)>>>2,M=Se[i];Se[i]=0,vr(r,e,0);r:do if(k){ var C=Me[v],R=0==(0|C);do if(!R){ var
T=r+8|0,O=Me[T>>>2];if(O>>>0>=Me[_+3]>>>0)break;Se[T>>>2]=O+1|0,Ae[C+O|0]=41;break
r} while(0);Y(r,41)} while(0);var N=Me[v],I=0==(0|N);do {if(!I){ var
P=r+8|0,D=Me[P>>>2];if(D>>>0>=Me[_+3]>>>0){f=30;break} Se[P>>>2]=D+1|0,Ae[N+D|0]=40,f=31;break}f=30}
while(0);30==f&&Y(r,40);var L=Se[a+8>>>2];0!=(0|L)&&H(r,L);var F=Me[v],X=0==(0|F);do {if(!X){ var
j=r+8|0,U=Me[j>>>2];if(U>>>0>=Me[_+3]>>>0){f=36;break} Se[j>>>2]=U+1|0,Ae[F+U|0]=41,f=37;break}f=36} wh
ile(0);36==f&&Y(r,41),vr(r,e,1),Se[i]=M}function ar(r,a,e){ var i,v,t,f=r>>>2,_=0==(0|e);do {if(!_){ var
s=e,v=s>>>2;r:for(;;){ var s;if(0==(0|s)){ var n=1;t=14;break}if(0==(0|Se[v+2])){ var
o=36==(0|Se[Se[v+1]>>>2]),l=1&o^1;if(o){ var n=1;t=14;break} var b=r+4|0,k=Me[b>>>2],u=0==(0|k);do {if(!u){ var
i=(r+8|0)>>>2,c=Me[i];if((c+2|0)>>>0>Me[f+3]>>>0){t=9;break} var
h=k+c|0;oe=10272,Ae[h]=255&oe,oe>>>=8,Ae[h+1]=255&oe;var
d=Se[i]+2|0;Se[i]=d,vr(r,e,0),t=10;break}t=9} while(0);9==t&&(Q(r,0|He.__str140,2),vr(r,e,0));var
w=Me[b>>>2],p=0==(0|w);do if(!p){ var
E=r+8|0,A=Me[E>>>2];if(A>>>0>=Me[f+3]>>>0)break;Se[E>>>2]=A+1|0,Ae[w+A|0]=41;var g=1;t=15;break
r} while(0);Y(r,41);var g=1;t=15;break} var s=Se[v],v=s>>>2}if(14==t){ var n;vr(r,e,0);var g=n} var
g;if(0!=(0|g)){t=17;break} var y=r+4|0;t=21;break}t=17} while(0);r:do if(17==t){ var
m=r+4|0,S=Me[m>>>2],M=0==(0|S);do if(!M){ var
C=r+8|0,R=Me[C>>>2];if(R>>>0>=Me[f+3]>>>0)break;Se[C>>>2]=R+1|0,Ae[S+R|0]=32;var y=m;break
r} while(0);Y(r,32);var y=m} while(0);var y,T=Me[y>>>2],O=0==(0|T);do {if(!O){ var
N=r+8|0,I=Me[N>>>2];if(I>>>0>=Me[f+3]>>>0){t=24;break} Se[N>>>2]=I+1|0,Ae[T+I|0]=91,t=25;break}t=24} whil
e(0);24==t&&Y(r,91);var P=Se[a+4>>>2];0!=(0|P)&&H(r,P);var D=Me[y>>>2],L=0==(0|D);do {if(!L){ var
F=r+8|0,X=Me[F>>>2];if(X>>>0>=Me[f+3]>>>0){t=30;break} Se[F>>>2]=X+1|0,Ae[D+X|0]=93,t=31;break}t=30} w
hile(0);30==t&&Y(r,93)}function er(r,a){ var e,i,v,t,f,_,s=Oe;Oe+=8;var
n,o=s,_(a+4|0)>>>2,l=Se[_];if(4==(0|Se[l>>>2])){ var f=(r+20|0)>>>2,b=Se[f];Se[f]=0;var
t=(r+16|0)>>>2,k=Se[t],u=0|o;Se[u>>>2]=k,Se[t]=o;var c=Se[_];Se[o+4>>>2]=c;var h=Se[c+4>>>2];H(r,h);var
d=Se[u>>>2];Se[t]=d;var v=(r+4|0)>>>2,w=Me[v],p=0==(0|w);do {if(!p){ var i=(r+8|0)>>>2,E=Me[i],A=0==(0|E);do
if(!A){if(Ae[w+(E-
1)|0]<<24>>>24!=60)break;E>>>0<Me[r+12>>>2]>>>0?(Se[i]=E+1|0,Ae[w+E|0]=32):Y(r,32)} while(0);var
g=Me[v];if(0==(0|g)){n=12;break} var
y=Me[i];if(y>>>0>=Me[r+12>>>2]>>>0){n=12;break} Se[i]=y+1|0,Ae[g+y|0]=60,n=13;break}n=12} while(0);12==n
&&Y(r,60);var m=Se[Se[_+8>>>2];H(r,m);var S=Me[v],M=0==(0|S);do {if(!M){ var
e=(r+8|0)>>>2,C=Me[e],R=0==(0|C);do if(!R){if(Ae[S+(C-
1)|0]<<24>>>24!=62)break;C>>>0<Me[r+12>>>2]>>>0?(Se[e]=C+1|0,Ae[S+C|0]=32):Y(r,32)} while(0);var
T=Me[v];if(0==(0|T)){n=22;break} var
O=Me[e];if(O>>>0>=Me[r+12>>>2]>>>0){n=22;break} Se[e]=O+1|0,Ae[T+O|0]=62,n=23;break}n=22} while(0);22
==n&&Y(r,62),Se[f]=b} else H(r,l);Oe=s}function ir(r,a){ var e,i=40==(0|Se[a>>>2]);r:do if(i){ var
v=Me[r+4>>>2],t=0==(0|v);do {if(!t){ var
e=(r+8|0)>>>2,f=Me[e],_=a+4|0,s=Me[_>>>2],n=Me[s+8>>>2];if((n+f|0)>>>0>Me[r+12>>>2]>>>0){ var
o=s,l=n;break} var b=v+f|0,k=Se[s+4>>>2];Pa(b,k,n,1);var u=Se[e]+Se[Se[_>>>2]+8>>>2]|0;Se[e]=u;break r} var
c=Me[a+4>>>2],o=c,l=Se[c+8>>>2]} while(0);var l,o,h=Se[o+4>>>2];Q(r,h,l)} else H(r,a);while(0)}function
vr(r,a,e){ var i,v,t,f,_,f=(r+4|0)>>>2,s=0==(0|e),t=(r+16|0)>>>2;r:do if(s)for(var n=a;;){ var n;if(0==(0|n)){_=29;break
r}if(0==(0|Se[f])){_=29;break r} var o=n+8|0,l=0==(0|Se[o>>>2]);do if(l){ var b=n+4|0;if((Se[Se[b>>>2]>>>2]-
25|0)>>>0<3)break;Se[o>>>2]=1;var k=Me[t],u=Se[n+12>>>2];Se[t]=u;var
c=Me[b>>>2],h=Se[c>>>2];if(35==(0|h)){ var d=n,w=k,p=c;_=14;break r}if(36==(0|h)){ var E=n,A=k,g=c;_=15;break
r}if(2==(0|h)){ var y=k,m=b;_=16;break r}$(r,c),Se[t]=k} while(0);var n=Se[n>>>2]}else for(var S=a;;){ var
S;if(0==(0|S)){_=29;break r}if(0==(0|Se[f])){_=29;break r} var M=S+8|0;if(0==(0|Se[M>>>2])){ Se[M>>>2]=1;var
C=Me[t],R=Se[S+12>>>2];Se[t]=R;var T=S+4|0,O=Me[T>>>2],N=Se[O>>>2];if(35==(0|N)){ var
d=S,w=C,p=O;_=14;break r}if(36==(0|N)){ var E=S,A=C,g=O;_=15;break r}if(2==(0|N)){ var

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y=C,m=T;_:=16;break r}$(r,O),Se[t]=C}var S=Se[S>>2]}while(0);if(14==_){var
p,w,d,I=Se[d>>2];rr(r,p,I),Se[t]=w}else if(15==_){var g,A,E,P=Se[E>>2];ar(r,g,P),Se[t]=A}else if(16==_){var
m,y,v=(r+20|0)>>2,D=Se[v];Se[v]=0;var L=Se[Se[m>>2]+4>>2];H(r,L),Se[v]=D;var
F=0==(4&Se[r>>2]|0),X=Me[f],j=0!=(0|X);r:do if(F){do if(j){var
i=(r+8|0)>>2,U=Me[i];if((U+2|0)>>>0>Me[r+12>>2]>>>0)break;var
x=X+U|0;oe=14906,Ae[x]=255&oe,oe>>=8,Ae[x+1]=255&oe;var z=Se[i+2|0;Se[i]=z;break
r}while(0);Q(r,0|He.__str120,2)}else{do if(j){var
V=r+8|0,B=Me[V>>2];if(B>>>0>=Me[r+12>>2]>>>0)break;Se[V>>2]=B+1|0,Ae[X+B|0]=46;break
r}while(0);Y(r,46)}while(0);var K=Me[Se[m>>2]+8>>2],G=(Se[K>>2]-25|0)>>>0<3;r:do if(G)for(var W=K;){var
W,Z=Me[W+4>>2];if((Se[Z>>2]-25|0)>>>0>=3){var q=Z;break r}var W=Z}else var q=K;while(0);var
q;H(r,q),Se[t]=y}}function tr(r,a){var e,e=(r+4|0)>>2,i=Se[e],v=0==(0|i);r:do if(!v){for(var
t=Se[r+8>>2]+a|0,f=r+12|0,_=Se[f>>2],s=i;){var s,_;if(t>>>0<=_>>>0)break r;var
n=_<<1,o=fa(s,n);if(0==(0|o))break;Se[e]=o,Se[f>>2]=n;var _=n,s=o}var
l=Se[e];va(l),Se[e]=0,Se[r+24>>2]=1}while(0)}function fr(r,a,e){var i,v=J(r),i=v>>2;return
0!=(0|v)&&(Se[i]=21,Se[i+1]=a,Se[i+2]=e),v}function _r(r){var
a,a=(r+12|0)>>2,e=Se[a],i=Ae[e]<<24>>24;if(88==(0|i)){var v=e+1|0;Se[a]=v;var
t=nr(r),f=Se[a],_f=f+1|0;Se[a]=_;var s=Ae[f]<<24>>24==69?t:0,n=s}else if(76==(0|i))var o=or(r),n=o;else var
l=N(r),n=l;var n;return n}function sr(r){var a,a=(r+12|0)>>2,e=Se[a],i=Ae[e];if(i<<24>>24==110){var
v=e+1|0;Se[a]=v;var t=1,f=Ae[v],_=v}else var t=0,f=i,_=e;var _,f,t,s=(f-48&255&255)<10;r:do if(s)for(var
n=f,o=0,l=;){var l,o,n,b=(n<<24>>24)-48+10*o|0,k=l+1|0;Se[a]=k;var u=ge[k];if((u-48&255&255)>=10){var
c=b;break r}var n=u,o=b,l=k}else var c=0;while(0);var c,h=0==(0|t)?c:0|c;return h}function nr(r){var
a,e,a=(r+12|0)>>2,i=Se[a],v=Ae[i];do{if(v<<24>>24==76){var t=or(r),f=t,e=21;break}if(v<<24>>24==84){var
_x(r),f=_;e=21;break}if(v<<24>>24==115){if(Ae[i+1|0]<<24>>24!=114){e=8;break}var s=i+2|0;Se[a]=s;var
n=N(r),o=br(r);if(Ae[Se[a]]<<24>>24==73){var l=z(r),b=D(r,4,o,l),k=D(r,1,n,b),f=k;e=21;break}var
u=D(r,1,n,o),f=u;e=21;break}e=8}while(0);r:do if(8==e){var c=kr(r);if(0==(0|c)){var f=0;break}var
h=0|c,d=Se[h>>2],w=40==(0|d);do{if(w){var p=c+4|0,E=r+48|0,A=Se[Se[p>>2]+8>>2]-
2+Se[E>>2]|0;Se[E>>2]=A;var g=Se[h>>2];if(40!=(0|g)){var y=g;e=13;break}var
m=Se[p>>2],S=Se[m>>2],M=Da(S,0|He.__str90);if(0!=(0|M)){var C=m;e=15;break}var
R=N(r),T=D(r,43,c,R),f=T;break r}var y=d;e=13}while(0);do if(13==e){var y;if(40==(0|y)){var
C=Se[c+4>>2];e=15;break}if(41==(0|y)){var O=c+4|0;e=17;break}if(42==(0|y)){e=18;break}var f=0;break
r}while(0);do if(15==e){var C,O=C+12|0;e=17;break}while(0);do if(17==e){var
O,I=Se[O>>2];if(1==(0|I))break;if(2==(0|I)){var P=nr(r),L=nr(r),F=D(r,45,P,L),X=D(r,44,c,F);return
X}if(3==(0|I)){var j=nr(r),U=nr(r),V=nr(r),B=D(r,48,U,V),H=D(r,47,j,B),K=D(r,46,c,H);return K}var f=0;break
r}while(0);var Y=nr(r),G=D(r,43,c,Y);return G}while(0);var f;return f}function or(r){var
a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var v=Ae[e]<<24>>24==76;r:do if(v){if(Ae[i]<<24>>24==95)var
t=T(r,0),f=t;else{var _=N(r);if(0==(0|_)){var s=0;break}var n=33==(0|Se[_>>2]);do if(n){var
o=Se[_+4>>2];if(0==(0|Se[o+16>>2]))break;var l=r+48|0,b=Se[l>>2]-Se[o+4>>2]|0;Se[l>>2]=b}while(0);var
k=Se[a];if(Ae[k]<<24>>24==110){var u=k+1|0;Se[a]=u;var c=50,h=u}else var c=49,h=k;for(var h,c,d=h;){var
d,w=Ae[d];if(w<<24>>24==69)break;if(w<<24>>24==0){var s=0;break r}var p=d+1|0;Se[a]=p;var d=p}var
E=lr(r,h,d-h|0),A=D(r,c,_,E),f=A}var f,g=Se[a],y=g+1|0;Se[a]=y;var m=Ae[g]<<24>>24==69?f:0,s=m}else var
s=0;while(0);var s;return s}function lr(r,a,e){var i=J(r),v=m(i,a,e),t=0==(0|v)?0:i;return t}function br(r){var
a=r+12|0,e=Me[a>>2],i=ge[e],v=(i-48&255&255)<10;do if(v)var t=L(r),f=t;else if((i-97&255&255)<26){var
_ =kr(r);if(0==(0|_)){var f=0;break}if(40!=(0|Se[_>>2])){var f=_;break}var
s=r+48|0,n=Se[Se[_+4>>2]+8>>2]+Se[s>>2]+7|0;Se[s>>2]=n;var f=_}else
if(i<<24>>24==67||i<<24>>24==68)var o=hr(r),f=o;else{if(i<<24>>24!=76){var f=0;break}Se[a>>2]=e+1|0;var
l=L(r);if(0==(0|l)){var f=0;break}var b=dr(r),k=0==(0|b)?0:l;f=k}while(0);var f;return f}function kr(r){var
a,e,a=(r+12|0)>>2,i=Se[a],v=i+1|0;Se[a]=v;var t=ge[i],f=i+2|0;Se[a]=f;var _=ge[v];do{if(t<<24>>24==118){if((
48&255&255)>=10){var s=49,n=0;e=6;break}var o=(_<<24>>24)-

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48|0,l=L(r),b=ur(r,o,l),k=b;e=14;break }if(t<<24>>24==99){if(_<<24>>24!=118){ var s=49,n=0;e=6;break } var
u=N(r),c=D(r,42,u,0),k=c;e=14;break } var s=49,n=0;e=6 }while(0);r:do if(6==e){ for(;;){ var n,s,h=(s-
n)/2+n|0,d=(h<<4)+r|0,w=Se[d>>2],p=Ae[w],E=t<<24>>24==p<<24>>24;if(E&&_<<24>>24==Ae[w+1|0]<<24>
>24)break;var A=t<<24>>24<p<<24>>24;do if(A)var
g=h,y=n;else {if(E&&_<<24>>24<Ae[w+1|0]<<24>>24){ var g=h,y=n;break } var g=s,y=h+1|0 }while(0);var
y,g;if((0|y)==(0|g)){ var k=0;break r } var s=g,n=y } var m=cr(r,d),k=m }while(0);var k;return k }function ur(r,a,e){ var
i=J(r),v=S(i,a,e),t=0==(0|v)?0:i;return t }function cr(r,a){ var e=J(r);return
0!=(0|e)&&(Se[e>>2]=40,Se[e+4>>2]=a),e }function hr(r){ var a,e,i=Se[r+44>>2],e-i>>2,v=0==(0|i);do if(!v){ var
t=Se[e];if(0==(0|t)){ var f=r+48|0,_=Se[f>>2]+Se[e+2]|0;Se[f>>2]=_ }else {if(21!=(0|t))break;var
s=r+48|0,n=Se[s>>2]+Se[e+2]|0;Se[s>>2]=n } }while(0);var a=(r+12|0)>>2,o=Se[a],l=o+1|0;Se[a]=l;var
b=Ae[o]<<24>>24;do if(67==(0|b)){ var k=o+2|0;Se[a]=k;var u=Ae[l]<<24>>24;if(49==(0|u))var c=1;else
if(50==(0|u))var c=2;else {if(51!=(0|u)){ var h=0;break } var c=3 } var c,d=wr(r,c,i),h=d }else if(68==(0|b)){ var
w=o+2|0;Se[a]=w;var p=Ae[l]<<24>>24;if(48==(0|p))var E=1;else if(49==(0|p))var E=2;else {if(50!=(0|p)){ var
h=0;break } var E=3 } var E,A=pr(r,E,i),h=A }else var h=0;while(0);var h;return h }function dr(r){ var
a=r+12|0,e=Se[a>>2];if(Ae[e]<<24>>24==95){ var i=e+1|0;Se[a>>2]=i;var v=sr(r),t=v>>>31^1 }else var t=1;var
t;return t }function wr(r,a,e){ var i=J(r),v=M(i,a,e),t=0==(0|v)?0:i;return t }function pr(r,a,e){ var
i=J(r),v=C(i,a,e),t=0==(0|v)?0:i;return t }function Er(r,a){ var e=J(r);return
0!=(0|e)&&(Se[e>>2]=5,Se[e+4>>2]=a),e }function Ar(r){ var a,a=(r+12|0)>>2,e=Se[a],i=Ae[e]<<24>>24;do
if(78==(0|i))var v=gr(r),t=v;else if(90==(0|i))var f=yr(r),t=f;else if(76==(0|i))var _=br(r),t=_;else
if(83==(0|i)){ if(Ae[e+1|0]<<24>>24==116){ var s=e+2|0;Se[a]=s;var
n=lr(r,0|He.__str152,3),o=br(r),l=D(r,1,n,o),b=r+48|0,k=Se[b>>2]+3|0;Se[b>>2]=k;var u=0,c=1 }else var
h=V(r,0),u=1,c=h;var c,u;if(Ae[Se[a]]<<24>>24!=73){ var t=c;break } if(0==(0|u)){ var d=R(r,c);if(0==(0|d)){ var
t=0;break } } var w=z(r),p=D(r,4,c,w),t=p }else { var E=br(r);if(Ae[Se[a]]<<24>>24!=73){ var t=E;break } var
A=R(r,E);if(0==(0|A)){ var t=0;break } var g=z(r),y=D(r,4,E,g),t=y } while(0);var t;return t }function gr(r){ var
a,e=Oe;Oe+=4;var i=e,a=(r+12|0)>>2,v=Se[a],t=v+1|0;Se[a]=t;var f=Ae[v]<<24>>24==78;do if(f){ var
_=I(r,i,1);if(0==(0|_)){ var s=0;break } var n=mr(r);if(Se[_>>2]=n,0==(0|n)){ var s=0;break } var
o=Se[a],l=o+1|0;if(Se[a]=l,Ae[o]<<24>>24!=69){ var s=0;break } var s=Se[i>>2] }else var s=0;while(0);var s;return
Oe=e,s }function yr(r){ var a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var v=Ae[e]<<24>>24==90;do if(v){ var
t=O(r,0),f=Se[a],_=f+1|0;if(Se[a]=_,Ae[f]<<24>>24!=69){ var s=0;break } if(Ae[_]<<24>>24==115){ var
n=f+2|0;Se[a]=n;var o=dr(r);if(0==(0|o)){ var s=0;break } var l=lr(r,0|He.__str168,14),b=D(r,2,t,l),s=b }else { var
k=Ar(r),u=dr(r);if(0==(0|u)){ var s=0;break } var c=D(r,2,t,k),s=c } }else var s=0;while(0);var s;return s }function
mr(r){ var a,e=r+12|0,i=0;r:for(;;){ var i,v=ge[Se[e>>2]];if(v<<24>>24==0){ var t=0;break } var f=(v-
48&255&255)<10|(v-
97&255&255)<26;do {if(!f){ if(v<<24>>24==76||v<<24>>24==68||v<<24>>24==67){ a=5;break } if(v<<24>>24==8
3){ var _=V(r,1),s=_;a=10;break } if(v<<24>>24==73){ if(0==(0|i)){ var t=0;break r } var
n=z(r),o=4,l=n;a=11;break } if(v<<24>>24==84){ var b=x(r),s=b;a=10;break } if(v<<24>>24==69){ var t=i;break
r } var t=0;break r } a=5 } while(0);do if(5==a){ var k=br(r),s=k;a=10;break } while(0);do if(10==a){ var
s;if(0==(0|i)){ var u=s;a=12;break } var o=1,l=s;a=11;break } while(0);if(11==a)var l,o,c=D(r,o,i,l),u=c;var
u;if(v<<24>>24!=83)if(Ae[Se[e>>2]]<<24>>24!=69){ var h=R(r,u);if(0==(0|h)){ var t=0;break } var i=u }else var
i=u;else var i=u } var t;return t }function Sr(r,a){ var e,i,v=Oe;Oe+=4;var
t=v,i=t>>2,e=(r+12|0)>>2,f=Se[e];if(Ae[f]<<24>>24==74){ var _=f+1|0;Se[e]=_;var s=1 }else var s=a;var
s;Se[i]=0;var n=s,o=0,l=t;r:for(;;)for(var l,o,n,b=n,k=o;){ var
k,b,u=Ae[Se[e]];if(u<<24>>24==0||u<<24>>24==69){ var c=Se[i];if(0==(0|c)){ var h=0;break r } var
d=0==(0|Se[c+8>>2]);do if(d){ var w=Se[c+4>>2];if(33!=(0|Se[w>>2])){ var p=c;break } var
E=Se[w+4>>2];if(9!=(0|Se[E+16>>2])){ var p=c;break } var A=r+48|0,g=Se[A>>2]-
Se[E+4>>2]|0;Se[A>>2]=g,Se[i]=0;var p=0 }else var p=c;while(0);var p,y=D(r,35,k,p),h=y;break r } var
m=N(r);if(0==(0|m)){ var h=0;break r } if(0==(0|b)){ var S=D(r,38,m,0);if(Se[l>>2]=S,0==(0|S)){ var h=0;break r } var
n=0,o=k,l=S+8|0;continue r } var b=0,k=m } var h;return Oe=v,h }function Mr(r){ for(var a=r;){ var a;if(0==(0|a)){ var

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e=0;break } var i=Se[a>>2];if(1!=(0|i)&&2!=(0|i)){if(6==(0|i)||7==(0|i)||42==(0|i)){ var e=1;break } var e=0;break } var
a=Se[a+8>>2]} var e;return e}function Cr(r){ var
a=r>>2;Se[a+3]=0,Se[a+2]=0,Se[a+1]=0,Se[a]=0,Se[a+4]=0}function Rr(r,a){ var
e,e=(r+12|0)>>2,i=Se[e],v=(Se[r+4>>2]-i|0)<(0|a);r:do if(v)var t=0;else{ var f=i+a|0;Se[e]=f;var
_=0==(4&Se[r+8>>2]|0);do if(!_){if(Ae[f]<<24>>24!=36)break;var s=a+(i+1)|0;Se[e]=s }while(0);var n=(0|a)>9;do
if(n){ var o=La(i,0)He.__str117,8);if(0!=(0|o))break;var
l=Ae[i+8|0];if(1<<24>>24!=46&&1<<24>>24!=95&&1<<24>>24!=36)break;if(Ae[i+9|0]<<24>>24!=78)break;var
b=r+48|0,k=22-a+Se[b>>2]|0;Se[b>>2]=k;var u=lr(r,0)He.__str169,21),t=u;break r }while(0);var
c=lr(r,i,a),t=c }while(0);var t;return t}function Tr(r){ var a,e,e=(r+48|0)>>2,i=Se[e],v=i+20|0;Se[e]=v;var
a=(r+12|0)>>2,t=Se[a],f=t+1|0;Se[a]=f;var _=Ae[t];do if(_<<24>>24==84){ var s=t+2|0;Se[a]=s;var
n=Ae[f]<<24>>24;if(86==(0|n)){ var o=i+15|0;Se[e]=o;var l=N(r),b=D(r,8,1,0),k=b}else if(84==(0|n)){ var
u=i+10|0;Se[e]=u;var c=N(r),h=D(r,9,c,0),k=h}else if(73==(0|n))var d=N(r),w=D(r,11,d,0),k=w;else
if(83==(0|n))var p=N(r),E=D(r,12,p,0),k=E;else if(104==(0|n)){ var A=Nr(r,104);if(0==(0|A)){ var k=0;break } var
g=O(r,0),y=D(r,14,g,0),k=y }else if(118==(0|n)){ var m=Nr(r,118);if(0==(0|m)){ var k=0;break } var
S=O(r,0),M=D(r,15,S,0),k=M }else if(99==(0|n)){ var C=Nr(r,0);if(0==(0|C)){ var k=0;break } var
R=Nr(r,0);if(0==(0|R)){ var k=0;break } var T=O(r,0),I=D(r,16,T,0),k=I }else if(67==(0|n)){ var
P=N(r),L=sr(r);if((0|L)<0){ var k=0;break } var F=Se[a],X=F+1|0;if(Se[a]=X,Ae[F]<<24>>24!=95){ var
k=0;break } var j=N(r),U=Se[e]+5|0;Se[e]=U;var x=D(r,10,j,P),k=x }else if(70==(0|n))var
z=N(r),V=D(r,13,z,0),k=V;else {if(74!=(0|n)){ var k=0;break } var B=N(r),H=D(r,17,B,0),k=H } }else
if(_<<24>>24==71){ var K=t+2|0;Se[a]=K;var Y=Ae[f]<<24>>24;if(86==(0|Y))var
G=Ar(r),W=D(r,18,G,0),k=W;else if(82==(0|Y))var Z=Ar(r),Q=D(r,19,Z,0),k=Q;else {if(65!=(0|Y)){ var
k=0;break } var q=O(r,0),$=D(r,20,q,0),k=$ } }else var k=0;while(0);var k;return k}function Or(r){for( var
a,e=r,a=e>>2;){ var e;if(0==(0|e)){ var i=0;break } var v=Se[a];if(4==(0|v)){ var
t=Se[a+1],f=Mr(t),i=0==(0|f)&1;break }if(25!=(0|v)&&26!=(0|v)&&27!=(0|v)){ var i=0;break } var
e=Se[a+1],a=e>>2 } var i;return i}function Nr(r,a){ var e;if(0==(0|a)){ var
i=r+12|0,v=Se[i>>2],t=v+1|0;Se[i>>2]=t;var f=Ae[v]<<24>>24} else var f=a;var f;do {if(104==(0|f)){ var
_=sr(r),r+12|0);e=7;break }if(118==(0|f)){ var
s=sr(r),r+12|0),n=Se[s>>2],o=n+1|0;if(Se[s>>2]=o,Ae[n]<<24>>24!=95){ var l=0;e=8;break } var
_=sr(r,s);e=7;break } var l=0;e=8 }while(0);if(7==e){ var _,b=Se[_>>2],k=b+1|0;Se[_>>2]=k;var
l=Ae[b]<<24>>24==95&1 } var l;return l}function Ir(r){ var a,e,i=r>>2,v=Oe;Oe+=56;var
t,f=v,_=v+8,s=v+16,n=v+36,e=(0|r)>>2,o=Se[e],l=0==(8192&o|0);r:do {if(l){ var
a=(r+12|0)>>2,b=Se[a];if(Ae[b]<<24>>24!=63){ var k=0;t=111;break } var u=b+1|0;Se[a]=u;var c=Ae[u];do
if(c<<24>>24==63){ if(Ae[b+2|0]<<24>>24==36){ var h=b+3|0;if(Ae[h]<<24>>24!=63){ var
d=5;t=90;break } Se[a]=h;var w=6,p=h }else var w=0,p=u;var p,w,E=p+1|0;Se[a]=E;var A=Ae[E]<<24>>24;do
if(48==(0|A)){ var g=1;t=81 }else {if(49==(0|A)){ var g=2;t=81;break }if(50!=(0|A)){ if(51==(0|A)){ var
y=0|He.__str2172,m=E;t=82;break }if(52==(0|A)){ var y=0|He.__str3173,m=E;t=82;break }if(53==(0|A)){ var
y=0|He.__str4174,m=E;t=82;break }if(54==(0|A)){ var y=0|He.__str5175,m=E;t=82;break }if(55==(0|A)){ var
y=0|He.__str6176,m=E;t=82;break }if(56==(0|A)){ var y=0|He.__str7177,m=E;t=82;break }if(57==(0|A)){ var
y=0|He.__str8178,m=E;t=82;break }if(65==(0|A)){ var
y=0|He.__str9179,m=E;t=82;break }if(66==(0|A)){ Se[a]=p+2|0;var
S=0|He.__str10180,M=3;t=88;break }if(67==(0|A)){ var y=0|He.__str11181,m=E;t=82;break }if(68==(0|A)){ var
y=0|He.__str12182,m=E;t=82;break }if(69==(0|A)){ var y=0|He.__str13183,m=E;t=82;break }if(70==(0|A)){ var
y=0|He.__str14184,m=E;t=82;break }if(71==(0|A)){ var y=0|He.__str15185,m=E;t=82;break }if(72==(0|A)){ var
y=0|He.__str16186,m=E;t=82;break }if(73==(0|A)){ var y=0|He.__str17187,m=E;t=82;break }if(74==(0|A)){ var
y=0|He.__str18188,m=E;t=82;break }if(75==(0|A)){ var y=0|He.__str19189,m=E;t=82;break }if(76==(0|A)){ var
y=0|He.__str20190,m=E;t=82;break }if(77==(0|A)){ var y=0|He.__str21191,m=E;t=82;break }if(78==(0|A)){ var
y=0|He.__str22192,m=E;t=82;break }if(79==(0|A)){ var y=0|He.__str23193,m=E;t=82;break }if(80==(0|A)){ var
y=0|He.__str24194,m=E;t=82;break }if(81==(0|A)){ var y=0|He.__str25195,m=E;t=82;break }if(82==(0|A)){ var

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y=0|He.__str26196,m=E;t=82;break }if(83==(0|A)){ var y=0|He.__str27197,m=E;t=82;break }if(84==(0|A)){ var
y=0|He.__str28198,m=E;t=82;break }if(85==(0|A)){ var y=0|He.__str29199,m=E;t=82;break }if(86==(0|A)){ var
y=0|He.__str30200,m=E;t=82;break }if(87==(0|A)){ var y=0|He.__str31201,m=E;t=82;break }if(88==(0|A)){ var
y=0|He.__str32202,m=E;t=82;break }if(89==(0|A)){ var y=0|He.__str33203,m=E;t=82;break }if(90==(0|A)){ var
y=0|He.__str34204,m=E;t=82;break }if(95==(0|A)){ var C=p+2|0;Se[a]=C;var
R=Ae[C]<<24>>24;if(48==(0|R)){ var y=0|He.__str35205,m=C;t=82;break }if(49==(0|R)){ var
y=0|He.__str36206,m=C;t=82;break }if(50==(0|R)){ var y=0|He.__str37207,m=C;t=82;break }if(51==(0|R)){ var
y=0|He.__str38208,m=C;t=82;break }if(52==(0|R)){ var y=0|He.__str39209,m=C;t=82;break }if(53==(0|R)){ var
y=0|He.__str40210,m=C;t=82;break }if(54==(0|R)){ var y=0|He.__str41211,m=C;t=82;break }if(55==(0|R)){ var
y=0|He.__str42212,m=C;t=82;break }if(56==(0|R)){ var y=0|He.__str43213,m=C;t=82;break }if(57==(0|R)){ var
y=0|He.__str44214,m=C;t=82;break }if(65==(0|R)){ var y=0|He.__str45215,m=C;t=82;break }if(66==(0|R)){ var
y=0|He.__str46216,m=C;t=82;break }if(67==(0|R)){ Se[a]=p+3|0;var
T=0|He.__str47217;t=84;break }if(68==(0|R)){ var y=0|He.__str48218,m=C;t=82;break }if(69==(0|R)){ var
y=0|He.__str49219,m=C;t=82;break }if(70==(0|R)){ var y=0|He.__str50220,m=C;t=82;break }if(71==(0|R)){ var
y=0|He.__str51221,m=C;t=82;break }if(72==(0|R)){ var y=0|He.__str52222,m=C;t=82;break }if(73==(0|R)){ var
y=0|He.__str53223,m=C;t=82;break }if(74==(0|R)){ var y=0|He.__str54224,m=C;t=82;break }if(75==(0|R)){ var
y=0|He.__str55225,m=C;t=82;break }if(76==(0|R)){ var y=0|He.__str56226,m=C;t=82;break }if(77==(0|R)){ var
y=0|He.__str57227,m=C;t=82;break }if(78==(0|R)){ var y=0|He.__str58228,m=C;t=82;break }if(79==(0|R)){ var
y=0|He.__str59229,m=C;t=82;break }if(82==(0|R)){ var O=4|0;Se[e]=O;var N=p+3|0;Se[a]=N;var
I=Ae[N]<<24>>24;if(48==(0|I)){ Se[a]=p+4|0;Cr(s);var
P=(Pr(r,_,s,0),Se[_>>2]),D=Se[_+4>>2],L=Dr(r,0|He.__str60230,(ne=Oe,Oe+=8,Se[ne>>2]=P,Se[ne+4>>2]=D,ne)
),F=Se[a]-1|0;Se[a]=F;var y=L,m=F;t=82;break }if(49==(0|I)){ Se[a]=p+4|0;var
X=Lr(r),j=Lr(r),U=Lr(r),x=Lr(r),z=Se[a]-1|0;Se[a]=z;var
V=Dr(r,0|He.__str61231,(ne=Oe,Oe+=16,Se[ne>>2]=X,Se[ne+4>>2]=j,Se[ne+8>>2]=U,Se[ne+12>>2]=x,ne)),y=V
,m=Se[a];t=82;break }if(50==(0|I)){ var y=0|He.__str62232,m=N;t=82;break }if(51==(0|I)){ var
y=0|He.__str63233,m=N;t=82;break }if(52==(0|I)){ var y=0|He.__str64234,m=N;t=82;break }var
y=0,m=N;t=82;break }if(83==(0|R)){ var y=0|He.__str65235,m=C;t=82;break }if(84==(0|R)){ var
y=0|He.__str66236,m=C;t=82;break }if(85==(0|R)){ var y=0|He.__str67237,m=C;t=82;break }if(86==(0|R)){ var
y=0|He.__str68238,m=C;t=82;break }if(88==(0|R)){ var y=0|He.__str69239,m=C;t=82;break }if(89==(0|R)){ var
y=0|He.__str70240,m=C;t=82;break }var k=0;t=111;break r }var k=0;t=111;break r }var
y=0|He.__str1171,m=E;t=82 }while(0);do {if(81==t){ var g;Se[a]=p+2|0;var B=g;t=83;break }if(82==t){ var
m,y;if(Se[a]=m+1|0,1==(0|w)||2==(0|w)){ var B=w;t=83;break }if(4==(0|w)){ var T=y;t=84;break }if(6!=(0|w)){ var
S=y,M=w;t=88;break }Cr(n);var H=Xr(r,n,0,60,62);if(0==(0|H))var K=y;else var
Y=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=y,Se[ne+4>>2]=H,ne)),K=Y;var K;Se[i+6]=0;var
S=K,M=w;t=88;break } }while(0);if(83==t){ var B,G=r+40|0,W=Fr(r,0|He.__symbol_demangle_dashed_null,-
1,G);if(0==(0|W)){ var k=0;t=111;break r }var d=B;t=90;break }if(84==t){ var T;Se[i+4]=T;var
Z=1,Q=T;t=109;break r }if(88==t){ var M,S,q=r+40|0,$=Fr(r,S,-1,q);if(0==(0|$)){ var k=0;t=111;break r }var
d=M;t=90;break } }else {if(c<<24>>24==36){ var J=b+2|0;Se[a]=J;var rr=jr(r);Se[i+4]=rr;var
ar=0!=(0|rr)&1;t=107;break }var d=0;t=90 }while(0);if(90==t){ var
d,er=Me[a],ir=Ae[er]<<24>>24;if(64==(0|ir))Se[a]=er+1|0;else if(36==(0|ir))t=93;else { var
vr=zr(r);if(0==(0|vr)){ var k=-1;t=111;break } }if(5==(0|d)){ var tr=r+20|0,fr=Se[tr>>2]+1|0;Se[tr>>2]=fr }else
if(1==(0|d)||2==(0|d)){ if(Me[i+11]>>>0<2){ var k=-1;t=111;break } var
_r=r+56|0,sr=Me[_r>>2],nr=Se[sr+4>>2];if(1==(0|d))Se[sr>>2]=nr;else { var
or=Dr(r,0|He.__str71241,(ne=Oe,Oe+=4,Se[ne>>2]=nr,ne)),lr=Se[_r>>2];Se[lr>>2]=or }var
br=4|Se[e];Se[e]=br }else if(3==(0|d)){ var kr=Se[e]&-5;Se[e]=kr }var ur=ge[Se[a]];if((ur-48&255&255)<10)var
cr=Vr(r),ar=cr;else if((ur-65&255&255)<26)var hr=Br(r,3==(0|d)&1),ar=hr;else {if(ur<<24>>24!=36){ var k=-
1;t=111;break }var dr=Hr(r),ar=dr } }var ar;if(0==(0|ar)){ var k=-1;t=111;break }var Z=ar,Q=Se[i+4];t=109;break }var
wr=Pr(r,f,0,0);if(0==(0|wr)){ var k=-1;t=111;break }var

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pr=Se[f>>2],Er=Se[f+4>>2],Ar=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=pr,Se[ne+4>>2]=Er,ne));Se[i+4]=A
r;var Z=1,Q=Ar;t=109;break }while(0);do if(109==t){ var Q,Z;if(0!=(0|Q)){ var
k=Z;break }Xa(0|He.__str72242,1499,0|He.__func__symbol_demangle,0|He.__str73243);var k=Z}while(0);var
k;return Oe=v,k}function Pr(r,a,e,i){ var v,t,f,_=Oe;Oe+=24;var
s=_n=_+4,o=_+8,l=_+16,b=_+20;0==(0|a)&&Xa(0|He.__str72242,829,0|He.__func__demangle_datatype,0|He._
_str121291);var f=(a+4|0)>>2;Se[f]=0;var t=(0|a)>>2;Se[t]=0;var v=(r+12|0)>>2,k=Me[v],u=k+1|0;Se[v]=u;var
c=Ae[k],h=c<<24>>24;do if(95==(0|h)){ Se[v]=k+2|0;var d=Ae[u],w=Zr(d);Se[t]=w }else
if(67==(0|h)||68==(0|h)||69==(0|h)||70==(0|h)||71==(0|h)||72==(0|h)||73==(0|h)||74==(0|h)||75==(0|h)||77==(0|h)||78=
=(0|h)||79==(0|h)||88==(0|h)||90==(0|h)){ var p=Qr(c);Se[t]=p }else
if(84==(0|h)||85==(0|h)||86==(0|h)||89==(0|h)){ var E=qr(r);if(0==(0|E))break;var A=0==(32768&Se[r>>2]|0);do
if(A)if(84==(0|h))var g=0|He.__str122292;else if(85==(0|h))var g=0|He.__str123293;else if(86==(0|h))var
g=0|He.__str124294;else { if(89!=(0|h)) { var g=0;break } var g=0|He.__str125295 } else var g=0;while(0);var
g,y=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=g,Se[ne+4>>2]=E,ne));Se[t]=y }else
if(63==(0|h))if(0==(0|i))$r(a,r,e,63,0);else { var m=Lr(r);if(0==(0|m))break;var
S=Dr(r,0|He.__str126296,(ne=Oe,Oe+=4,Se[ne>>2]=m,ne));Se[t]=S }else if(65==(0|h)||66==(0|h))$r(a,r,e,c,i);else
if(81==(0|h)||82==(0|h)||83==(0|h)){ var M=0==(0|i)?80:c;$r(a,r,e,M,i) }else if(80==(0|h))if(((Ae[u]<<24>>24)-
48|0)>>>0<10){ var C=k+2|0;if(Se[v]=C,Ae[u]<<24>>24!=54)break;var R=r+44|0,T=Se[R>>2];Se[v]=k+3|0;var
O=Ae[C],N=Se[r>>2]&-17,I=Ur(O,s,n,N);if(0==(0|I))break;var P=Pr(r,o,e,0);if(0==(0|P))break;var
D=Xr(r,e,1,40,41);if(0==(0|D))break;Se[R>>2]=T;var
L=Se[o>>2],F=Se[o+4>>2],X=Se[s>>2],j=Dr(r,0|He.__str127297,(ne=Oe,Oe+=12,Se[ne>>2]=L,Se[ne+4>>2]=F,S
e[ne+8>>2]=X,ne));Se[t]=j;var U=Dr(r,0|He.__str128298,(ne=Oe,Oe+=4,Se[ne>>2]=D,ne));Se[f]=U }else
$(a,r,e,80,i);else if(87==(0|h)){ if(Ae[u]<<24>>24!=52)break;Se[v]=k+2|0;var
x=qr(r);if(0==(0|x))break;if(0==(32768&Se[r>>2]|0)){ var
z=Dr(r,0|He.__str129299,(ne=Oe,Oe+=4,Se[ne>>2]=x,ne));Se[t]=z }else Se[t]=x }else
if(48==(0|h)||49==(0|h)||50==(0|h)||51==(0|h)||52==(0|h)||53==(0|h)||54==(0|h)||55==(0|h)||56==(0|h)||57==(0|h)){ var
V=h<<1,B=V-96|0,H=Yr(e,B);Se[t]=H;var K=V-95|0,Y=Yr(e,K);Se[f]=Y }else if(36==(0|h)){ var
G=k+2|0;Se[v]=G;var W=Ae[u]<<24>>24;if(48==(0|W)){ var Z=Lr(r);Se[t]=Z }else if(68==(0|W)){ var
Q=Lr(r);if(0==(0|Q))break;var q=Dr(r,0|He.__str130300,(ne=Oe,Oe+=4,Se[ne>>2]=Q,ne));Se[t]=q }else
if(70==(0|W)){ var $=Lr(r);if(0==(0|$))break;var J=Lr(r);if(0==(0|J))break;var
rr=Dr(r,0|He.__str131301,(ne=Oe,Oe+=8,Se[ne>>2]=$,Se[ne+4>>2]=J,ne));Se[t]=rr }else if(71==(0|W)){ var
ar=Lr(r);if(0==(0|ar))break;var er=Lr(r);if(0==(0|er))break;var ir=Lr(r);if(0==(0|ir))break;var
vr=Dr(r,0|He.__str132302,(ne=Oe,Oe+=12,Se[ne>>2]=ar,Se[ne+4>>2]=er,Se[ne+8>>2]=ir,ne));Se[t]=vr }else
if(81==(0|W)){ var tr=Lr(r);if(0==(0|tr))break;var
fr=Dr(r,0|He.__str133303,(ne=Oe,Oe+=4,Se[ne>>2]=tr,ne));Se[t]=fr }else { if(36!=(0|W))break;if(Ae[G]<<24>>24!=
67)break;Se[v]=k+3|0;var _r=xr(r,l,b);if(0==(0|_r))break;var sr=Pr(r,a,e,i);if(0==(0|sr))break;var
nr=Se[t],or=Se[l>>2],lr=Dr(r,0|He.__str83253,(ne=Oe,Oe+=8,Se[ne>>2]=nr,Se[ne+4>>2]=or,ne));Se[t]=lr } }while(
0);var br=0!=(0|Se[t])&1;return Oe=_br}function Dr(r,a){ var e,i=Oe;Oe+=4;var
v=i,e=v>>2,t=v;Se[t>>2]=arguments[Dr.length];var f=1,_=0;r:for(;;){ var
_,f,s=Ae[a+_|0];do { if(s<<24>>24==0)break r;if(s<<24>>24==37){ var
n=_+1|0,o=Ae[a+n|0]<<24>>24;if(115==(0|o)){ var l=Se[e],b=1,k=l+4|0;Se[e]=k;var u=Se[b>>2];if(0==(0|u)){ var
c=f,h=n;break } var d=Ca(u),c=d+f|0,h=n;break } if(99==(0|o)){ var w=Se[e]+4|0;Se[e]=w;var
c=f+1|0,h=n;break } if(37==(0|o))var p=n;else var p=_;var p,c=f+1|0,h=p }else var c=f+1|0,h=_ } while(0);var
h,c,f=c,_=h+1|0 } var E=Wf(r,f);if(0==(0|E))var A=0;else { Se[t>>2]=arguments[Dr.length];var g=E,y=0;r:for(;;){ var
y,g,m=Ae[a+y|0];do { if(m<<24>>24==0)break r;if(m<<24>>24==37){ var
S=y+1|0,M=Ae[a+S|0]<<24>>24;if(115==(0|M)){ var C=Se[e],R=C,T=C+4|0;Se[e]=T;var
O=Se[R>>2];if(0==(0|O)){ var N=g,I=S;break } var P=Ca(O);Pa(g,O,P,1);var N=g+P|0,I=S;break } if(99==(0|M)){ var
D=Se[e],L=D,F=D+4|0;Se[e]=F,Ae[g]=255&Se[L>>2];var N=g+1|0,I=S;break } if(37==(0|M))var X=S;else var
X=y;var X;Ae[g]=37;var N=g+1|0,I=X }else { Ae[g]=m;var N=g+1|0,I=y } } while(0);var

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I,N,g=N,y=I+1|0}Ae[g]=0;var A=E}var A;return Oe=i,A}function Lr(r){ var
a,a=(r+12|0)>>2,e=Se[a],i=Ae[e];if(i<<24>>24==63){ var v=e+1|0;Se[a]=v;var t=1,f=v,_=Ae[v]}else var
t=0,f=e,_=i;var _f,t,s=(_-48&&255&255)<9;do if(s){ var n=Wr(r,3),o=0!==(0|t);o&&(Ae[n]=45);var
l=Ae[Se[a]]+1&&255;Ae[n+t|0]=l;var b=o?2:1;\\nAe[n+b|0]=0;var k=Se[a]+1|0;Se[a]=k;var u=n}else
if(_<<24>>24==57){ var c=Wr(r,4),h=0!==(0|t);h&&(Ae[c]=45),Ae[c+t|0]=49;var d=h?2:1;Ae[c+d|0]=48;var
w=h?3:2;Ae[c+w|0]=0;var p=Se[a]+1|0;Se[a]=p;var u=c}else if((_-65&&255&255)>=16){ var u=0;break }for(var
E=0,A=f;){ var A,E,g=A+1|0;Se[a]=g;var y=(Ae[A]<<24>>24)+((E<<4)-65)|0,m=g[e];if((m-
65&&255&255)>=16)break;var E=y,A=g}if(m<<24>>24!=64){ var u=0;break }var
S=Wr(r,17),M=0!==(0|t)?0|He.__str119289:0|ii,C=(za(S,0|He.__str118288,(ne=Oe,Oe+=8,Se[ne>>2]=M,Se[ne+4>>
2]=y,ne)),Se[a]+1|0);Se[a]=C;var u=S}while(0);var u;return u}function Fr(r,a,e,i){ var
v,t,f,_;0==(0|a)&&Xa(0|He.__str72242,212,0|He.__func__str_array_push,0|He.__str115285),0==(0|i)&&Xa(0|He
.__str72242,213,0|He.__func__str_array_push,0|He.__str116286);var
f=(i+12|0)>>2,s=Me[f],n=0==(0|s);do {if(n){ Se[f]=32;var o=Wr(r,128);if(0==(0|o)){ var
l=0;_=17;break }Se[i+16>>2]=o,_=11;break }if(Me[i+8>>2]>>>0<s>>>0){ _=11;break }var
b=s<<3,k=Wr(r,b);if(0==(0|k)){ var l=0;_=17;break }var u=k,c=i+16|0,h=Se[c>>2],d=Se[f]<<2;Pa(k,h,d,1);var
w=Se[f]<<1;Se[f]=w,Se[c>>2]=u,_=11;break }while(0);do if(11==_){ if((0|e)===-1)var p=Ca(a),E=p;else var E=e;var
E,A=ja(a),g=E+1|0,y=Wr(r,g),t=(i+4|0)>>2,v=(i+16|0)>>2,m=(Se[t]<<2)+Se[v]|0;Se[m>>2]=y;var
S=Se[Se[v]+(Se[t]<<2)>>2];if(0==(0|S)){ Xa(0|He.__str72242,233,0|He.__func__str_array_push,0|He.__str11728
7);var M=Se[Se[v]+(Se[t]<<2)>>2]}else var M=S;var
M;Pa(M,A,E,1),va(A),Ae[Se[Se[v]+(Se[t]<<2)>>2]+g|0]=0;var C=Se[t]+1|0;Se[t]=C;var
R=i+8|0;if(C>>>0<Me[R>>2]>>>0){ var l=1;break }Se[R>>2]=C;var l=1}while(0);var l;return l}function
Xr(r,a,e,i,v){ var t,f,_=Oe;Oe+=28;var s,n=_o,_=+8;Cr(o);var f=(r+12|0)>>2,l=0==(0|e),t=(0|n)>>2,b=n+4|0;r:do
if(l)for(;;){ var k=Se[f],u=Ae[k];if(u<<24>>24==0){ s=12;break r}if(u<<24>>24==64){ var c=k;s=7;break r}var
h=Pr(r,n,a,1);if(0==(0|h)){ var d=0;s=25;break r}var
w=Se[t],p=Se[b>>2],E=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=w,Se[ne+4>>2]=p,ne)),A=Fr(r,E,-
1,o);if(0==(0|A)){ var d=0;s=25;break r}var g=Se[t],y=Da(g,0|He.__str110280);if(0==(0|y)){ s=12;break r}
else for(;;){ var m=Se[f],S=Ae[m];if(S<<24>>24==0){ s=12;break r}if(S<<24>>24==64){ var c=m;s=7;break r}var
M=Pr(r,n,a,1);if(0==(0|M)){ var d=0;s=25;break r}var C=Se[t],R=Da(C,0|He.__str84254);if(0==(0|R)){ s=13;break
r}var T=Se[b>>2],O=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=C,Se[ne+4>>2]=T,ne)),N=Fr(r,O,-
1,o);if(0==(0|N)){ var d=0;s=25;break r}var I=Se[t],P=Da(I,0|He.__str110280);if(0==(0|P)){ s=12;break
r} }while(0);do if(7==s){ var c;Se[f]=c+1|0,s=12;break }while(0);do
if(12==s){ if(l){ s=14;break }s=13;break }while(0);do if(13==s){ var
D=Se[f],L=D+1|0;if(Se[f]=L,Ae[D]<<24>>24==90){ s=14;break }var d=0;s=25;break }while(0);r:do if(14==s){ var
F=o+4|0,X=Me[F>>2];do {if(0!=(0|X)){ if(1==(0|X)){ var
j=o+16|0,U=Se[Se[j>>2]>>2],x=Da(U,0|He.__str84254);if(0==(0|x)){ s=17;break }var z=j;s=20;break }var
V=o+16|0;if(X>>>0<=1){ var z=V;s=20;break }for(var B=0,H=1;){ var
H,B,K=Se[Se[V>>2]+(H<<2)>>2],Y=Dr(r,0|He.__str112282,(ne=Oe,Oe+=8,Se[ne>>2]=B,Se[ne+4>>2]=K,ne)),G
=H+1|0;if(G>>>0>=Me[F>>2]>>>0)break;var B=Y,H=G}if(0==(0|Y)){ var z=V;s=20;break }var
W=Y,Z=Y;s=21;break }s=17}while(0);if(17==s){ var
Q=i<<24>>24,q=v<<24>>24,$=Dr(r,0|He.__str111281,(ne=Oe,Oe+=8,Se[ne>>2]=Q,Se[ne+4>>2]=q,ne)),d=$;brea
k}if(20==s)var z,W=Se[Se[z>>2]>>2],Z=0;var Z,W,J=v<<24>>24,rr=v<<24>>24==62;do if(rr){ var
ar=Ca(W);if(Ae[W+(ar-1)|0]<<24>>24!=62)break;var
er=i<<24>>24,ir=Se[Se[o+16>>2]>>2],vr=Dr(r,0|He.__str113283,(ne=Oe,Oe+=16,Se[ne>>2]=er,Se[ne+4>>2]=ir,
Se[ne+8>>2]=Z,Se[ne+12>>2]=J,ne)),d=vr;break r}while(0);var
tr=i<<24>>24,fr=Se[Se[o+16>>2]>>2],_r=Dr(r,0|He.__str114284,(ne=Oe,Oe+=16,Se[ne>>2]=tr,Se[ne+4>>2]=fr,S
e[ne+8>>2]=Z,Se[ne+12>>2]=J,ne)),d=_r}while(0);var d;return Oe=_d}function jr(r){ var a,e=Oe;Oe+=20;var
i=e,v=r+24|0,t=Se[v>>2],a=(r+20|0)>>2,f=Se[a],_=r+44|0,s=Se[_>>2];Se[a]=t;var n=Kr(r);if(0==(0|n))var
o=0;else { Cr(i);var l=Xr(r,i,0,60,62);if(0==(0|l))var b=n;else var

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k=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=n,Se[ne+4>>2]=l,ne)),b=k;var
b;Se[v>>2]=t,Se[a]=f,Se[_>>2]=s;var o=b}var o;return Oe=e,o}function Ur(r,a,e,i){var
v,t=a>>2;Se[e>>2]=0,Se[t]=0;var f=0==(18&i|0);do{if(f){var _=r<<24>>24,s=1==((_-
65)%2|0);if(0==(1&i|0)){if(s?Se[e>>2]=0|He.__str95265:v=14,65==(0|_)||66==(0|_)){Se[t]=0|He.__str96266,v=21;
break}if(67==(0|_)||68==(0|_)){Se[t]=0|He.__str97267,v=21;break}if(69==(0|_)||70==(0|_)){Se[t]=0|He.__str98268,
v=21;break}if(71==(0|_)||72==(0|_)){Se[t]=0|He.__str99269,v=21;break}if(73==(0|_)||74==(0|_)){Se[t]=0|He.__str
100270,v=21;break}if(75==(0|_)||76==(0|_)){v=21;break}if(77==(0|_)){Se[t]=0|He.__str101271,v=21;break}var
n=0,v=22;break}if(s?Se[e>>2]=0|He.__str88258:v=5,65==(0|_)||66==(0|_)){Se[t]=0|He.__str89259,v=21;break}if(6
7==(0|_)||68==(0|_)){Se[t]=0|He.__str90260,v=21;break}if(69==(0|_)||70==(0|_)){Se[t]=0|He.__str91261,v=21;brea
k}if(71==(0|_)||72==(0|_)){Se[t]=0|He.__str92262,v=21;break}if(73==(0|_)||74==(0|_)){Se[t]=0|He.__str93263,v=2
1;break}if(75==(0|_)||76==(0|_)){v=21;break}if(77==(0|_)){Se[t]=0|He.__str94264,v=21;break}var
n=0,v=22;break}v=21}while(0);if(21==v)var n=1;var n;return n}function xr(r,a,e){var i;Se[e>>2]=0;var
i=(r+12|0)>>2,v=Se[i];if(Ae[v]<<24>>24==69){Se[e>>2]=0|He.__str102272;var t=Se[i]+1|0;Se[i]=t;var f=t}else
var f=v;var f;Se[i]=f+1|0;var _=Ae[f]<<24>>24;if(65==(0|_)){Se[a>>2]=0;var s=1}else
if(66==(0|_)){Se[a>>2]=0|He.__str103273;var s=1}else if(67==(0|_)){Se[a>>2]=0|He.__str104274;var s=1}else
if(68==(0|_)){Se[a>>2]=0|He.__str105275;var s=1}else var s=0;var s;return s}function zr(r){var
a,e,a=(r+12|0)>>2,i=r+40|0,v=r+20|0,t=0|i,f=r+44|0,|=r+48|0,s=r+52|0,n=r+56|0,o=r+20|0,l=r+24|0,b=r+16|0,k=0;r:
for(;;){var k,u=Se[a],c=Ae[u];if(c<<24>>24==64){var h=u+1|0;Se[a]=h;var d=1;break}var
w=c<<24>>24;do{if(0==(0|w)){var d=0;break
r}if(48==(0|w)||49==(0|w)||50==(0|w)||51==(0|w)||52==(0|w)||53==(0|w)||54==(0|w)||55==(0|w)||56==(0|w)||57==(0|
w)){var p=u+1|0;Se[a]=p;var E=(Ae[u]<<24>>24)-48|0,A=Yr(v,E),g=A,e=14;break}if(63==(0|w)){var
y=u+1|0;Se[a]=y;var m=Ae[y]<<24>>24;if(36==(0|m)){var S=u+2|0;Se[a]=S;var M=jr(r);if(0==(0|M)){var
d=0;break r}var C=Fr(r,M,-1,v);if(0==(0|C)){var d=0;break r}var R=M;e=15;break}if(63==(0|m)){var
T=Se[t>>2],O=Se[f>>2],N=Se[_>>2],I=Se[s>>2],P=Se[n>>2],D=Se[o>>2],L=Se[l>>2];Cr(i);var
F=Ir(r);if(0==(0|F))var X=k;else var
j=Se[b>>2],U=Dr(r,0|He.__str109279,(ne=Oe,Oe+=4,Se[ne>>2]=j,ne)),X=U;var
X;Se[o>>2]=D,Se[l>>2]=L,Se[t>>2]=T,Se[f>>2]=O,Se[_>>2]=N,Se[s>>2]=I,Se[n>>2]=P;var g=X;e=14;break}var
x=Lr(r);if(0==(0|x)){var d=0;break r}var
z=Dr(r,0|He.__str109279,(ne=Oe,Oe+=4,Se[ne>>2]=x,ne)),g=z;e=14;break}var
V=Kr(r),g=V;e=14;break}while(0);if(14==e){var g;if(0==(0|g)){var d=0;break}var R=g}var R,B=Fr(r,R,-
1,i);if(0==(0|B)){var d=0;break}var k=R}var d;return d}function Vr(r){var a,e,i,v=Oe;Oe+=36;var
t,f=v,i=f>>2,|=v+4,s=v+8,e=s>>2,n=v+16;Se[i]=0;var o=0|r,l=Se[o>>2],b=0==(128&l|0),k=r+12|0;do if(b){var
u=Ae[Se[k>>2]]<<24>>24;if(48==(0|u))var c=0|He.__str76246,h=k,a=h>>2;else if(49==(0|u))var
c=0|He.__str77247,h=k,a=h>>2;else{if(50!=(0|u)){var c=0,h=k,a=h>>2;break}var
c=0|He.__str78248,h=k,a=h>>2} else var c=0,h=k,a=h>>2;while(0);var h,c,d=0==(512&l|0);do if(d){if((Ae[Se[a]-
48&255&255]>>3){var w=0;break}var w=0|He.__str79249} else var w=0;while(0);var
w,p=Gr(r,0),E=Se[a],A=E+1|0;Se[a]=A;var
g=Ae[E]<<24>>24;do{if(48==(0|g)||49==(0|g)||50==(0|g)||51==(0|g)||52==(0|g)||53==(0|g)){var
y=r+44|0,m=Se[y>>2];Cr(n);var S=Pr(r,s,n,0);if(0==(0|S)){var M=0;t=28;break}var C=xr(r,f,_);if(0==(0|C)){var
M=0;t=28;break}var R=Se[i],T=0==(0|R),O=Se[_>>2];do if(T)Se[i]=O;else{if(0==(0|O))break;var
N=Dr(r,0|He.__str83253,(ne=Oe,Oe+=8,Se[ne>>2]=R,Se[ne+4>>2]=O,ne));Se[i]=N}while(0);Se[y>>2]=m,t=22;br
eak}if(54==(0|g)||55==(0|g)){var I=s+4|0;Se[I>>2]=0,Se[e]=0;var P=xr(r,f,_);if(0==(0|P)){var
M=0;t=28;break}if(Ae[Se[a]]<<24>>24==64){t=22;break}var D=qr(r);if(0==(0|D)){var M=0;t=28;break}var
L=Dr(r,0|He.__str107277,(ne=Oe,Oe+=4,Se[ne>>2]=D,ne));Se[I>>2]=L,t=22;break}if(56==(0|g)||57==(0|g)){Se[e
+1]=0,Se[e]=0,Se[i]=0,t=22;break}var M=0;t=28}while(0);if(22==t){var F=0==(4096&Se[o>>2]|0);do{if(F){var
X=Se[e],j=Se[i];if(0==(0|j)){var U=X;t=26;break}var
x=0!=(0|X)?0|He.__str87257:0,z=0|He.__str87257,V=j,B=x,H=X;t=27;break}Se[i]=0,Se[e+1]=0,Se[e]=0;var
U=0;t=26;break}while(0);if(26==t)var U,K=0!=(0|U)?0|He.__str87257:0,z=K,V=0,B=0,H=U;var

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H,B,V,z,Y=Se[e+1],G=Dr(r,0|He.__str108278,(ne=Oe,Oe+=32,Se[ne>>2]=c,Se[ne+4>>2]=w,Se[ne+8>>2]=H,Se[ne+12>>2]=B,Se[ne+16>>2]=V,Se[ne+20>>2]=z,Se[ne+24>>2]=p,Se[ne+28>>2]=Y,ne));Se[r+16>>2]=G;var
M=1 } var M;return Oe=v,M } function Br(r,a) { var e,i,v,t,f=Oe;Oe+=44;var
_,s=f,t=s>>2,n=f+8,o=f+12,v=o>>2,l=f+16,b=f+20,k=f+40;Se[v]=0;var i=(r+12|0)>>2,u=Se[i],c=u+1|0;Se[i]=c;var
h=ge[u],d=h<<24>>24,w=(h-65&255&255)>25;r:do if(w)var p=0;else { var
e=(0|r)>>2,E=Me[e],A=0==(128&E|0),g=d-65|0;do if(A) { var y=g/8|0;if(0==(0|y))var m=0|He.__str76246,S=g;else
if(1==(0|y))var m=0|He.__str77247,S=g;else { if(2!=(0|y)) { var m=0,S=g;break } var m=0|He.__str78248,S=g } else
var m=0,S=g;while(0);var S,m,M=0==(512&E|0)&h<<24>>24<89,C=(0|S)%8;do if(M)if(2==(0|C)||3==(0|C))var
R=m,T=0|He.__str79249;else if(4==(0|C)||5==(0|C))var R=m,T=0|He.__str80250;else { if(6!=(0|C)&&7!=(0|C)) { var
R=m,T=0;break } var O=Dr(r,0|He.__str81251,(ne=Oe,Oe+=4,Se[ne>>2]=m,ne)),R=O,T=0|He.__str80250 } else var
R=m,T=0;while(0);var T,R,N=Gr(r,0),I=6==(0|C);do { if(!I) { if(7==((d-56)%8|0)) { _=14;break } var
P=N;_=15;break } _=14 } while(0);if(14==_)var
D=Lr(r),L=Dr(r,0|He.__str82252,(ne=Oe,Oe+=8,Se[ne>>2]=N,Se[ne+4>>2]=D,ne)),P=L;var
P,F=h<<24>>24>88;do if(F)var X=0;else { if((C-2|0)>>>0<2) { var X=0;break } var j=xr(r,o,k);if(0==(0|j)) { var
p=0;break r } var U=Me[v],x=Se[k>>2];if(0==(0|U)&0==(0|x)) { var X=0;break } var
z=Dr(r,0|He.__str83253,(ne=Oe,Oe+=8,Se[ne>>2]=U,Se[ne+4>>2]=x,ne));Se[v]=z;var X=z } while(0);var
X,V=Se[i],B=V+1|0;Se[i]=B;var H=Ae[V],K=Se[e],Y=Ur(H,n,l,K);if(0==(0|Y)) { var p=0;break } Cr(b);var
G=Se[i];if(Ae[G]<<24>>24==64) { Se[t]=0|He.__str84254,Se[t+1]=0;var W=G+1|0;Se[i]=W } else { var
Z=Pr(r,s,b,0);if(0==(0|Z)) { var p=0;break } if(0!=(4&Se[e]|0)&&(Se[t+1]=0,Se[t]=0),0==(0|a))var Q=P;else { var
q=0|s,$=Se[q>>2],J=s+4|0,rr=Se[J>>2],ar=Dr(r,0|He.__str85255,(ne=Oe,Oe+=12,Se[ne>>2]=P,Se[ne+4>>2]=$,Se[ne+8>>2]=rr,ne));Se[J>>2]=0,Se[q>>2]=0;var Q=ar } var
Q,er=r+44|0,ir=Se[er>>2],vr=Xr(r,b,1,40,41);if(0==(0|vr)) { var p=0;break } if(0==(4096&Se[e]|0))var
tr=vr,fr=X;else { Se[v]=0;var tr=0,fr=0 } var fr,tr;Se[er>>2]=ir;var _r=Se[t],sr=Se[t+1];if(0==(0|_r))var nr=0;else var
or=0!=(0|sr)?0:0|He.__str87257,nr=or;var
nr,lr=Se[n>>2],br=0!=(0|lr)?0:0|He.__str87257;0,kr=Se[l>>2],ur=Dr(r,0|He.__str86256,(ne=Oe,Oe+=44,Se[ne>>2]=R,Se[ne+4>>2]=T,Se[ne+8>>2]=_r,Se[ne+12>>2]=nr,Se[ne+16>>2]=lr,Se[ne+20>>2]=br,Se[ne+24>>2]=kr,Se[ne+28>>2]=Q,Se[ne+32>>2]=tr,Se[ne+36>>2]=fr,Se[ne+40>>2]=sr,ne));Se[r+16>>2]=ur;var p=1 } while(0);var
p;return Oe=f,p } function Hr(r) { var a,a=(r+12|0)>>2,e=Se[a];if(Ae[e]<<24>>24==36)var
i=e;else { Xa(0|He.__str72242,1252,0|He.__func__handle_template,0|He.__str74244);var i=Se[a] } var
i;Se[a]=i+1|0;var v=Kr(r),t=0==(0|v);do if(t)var f=0;else { var _=Xr(r,0,0,60,62);if(0==(0|_)) { var f=0;break } var
s=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=v,Se[ne+4>>2]=_,ne));Se[r+16>>2]=s;var f=1 } while(0);var
f;return f } function Kr(r) { for(var a,a=(r+12|0)>>2,e=Me[a],i=e,v=Ae[e];;) { var v,i;if(!((v-65&255&255)<26|(v-97&255&255)<26|(v-48&255&255)<10)&&v<<24>>24!=95&&v<<24>>24!=36) { var t=0;break } var
f=i+1|0;Se[a]=f;var _=ge[f];if(_<<24>>24==64) { Se[a]=i+2|0;var s=f-e|0,n=r+20|0,o=Fr(r,e,s,n);if(0==(0|o)) { var
t=0;break } var l=Se[r+24>>2]-1-Se[n>>2]|0,b=Yr(n,l),t=b;break } var i=f,v=_ } var t;return t } function
Yr(r,a) { 0==(0|r)&&Xa(0|He.__str72242,263,0|He.__func__str_array_get_ref,0|He.__str75245);var
e=Se[r>>2]+a|0;if(e>>>0<Me[r+8>>2]>>>0)var i=Se[Se[r+16>>2]+(e<<2)>>2];else var i=0;var i;return i } function
Gr(r,a) { var e,e=(r+44|0)>>2,i=Me[e];if(i>>>0>a>>>0) { for(var v=v+r+56|0,t=a,f=0,_=Se[v>>2],s=i;;) { var
s,_,f,t,n=Me[_+(t<<2)>>2];if(0==(0|n)) { Xa(0|He.__str72242,680,0|He.__func__get_class_string,0|He.__str10627
6);var o=Se[v>>2],l=o,b=Se[o+(t<<2)>>2],k=Se[e] } else var l=_,b=n,k=s;var
k,b,l,u=Ca(b),c=u+(f+2)|0,h=t+1|0;if(h>>>0>k>>>0)break;var t=h,f=c,_,l,s=k } var d=c-1|0 } else var d=-1;var
d,w=Wl(r,d);if(0==(0|w))var p=0;else { var E=Se[e]-1|0,A=(0|E)<(0|a);r:do if(A)var g=0;else for(var
y=r+56|0,m=0,S=E;;) { var S,m,M=Se[Se[y>>2]+(S<<2)>>2],C=Ca(M),R=w+m|0;Pa(R,M,C,1);var
T=C+m|0;if((0|S)>(0|a)) { var O=T+1|0;Ae[w+T|0]=58;var N=T+2|0;Ae[w+O|0]=58;var I=N } else var I=T;var I,P=S-1|0;if((0|P)<(0|a)) { var g=I;break r } var m=I,S=P } while(0);var g;Ae[w+g|0]=0;var p=w } var p;return p } function
Wr(r,a) { var e,i=a>>>0>1020;do if(i) { var v=Se[r+4>>2],t=a+4|0,f=pe[v](t);if(0==(0|f)) { var _=0;break } var
s=r+60|0,n=Se[s>>2],o=f;Se[o>>2]=n,Se[s>>2]=f,Se[r+64>>2]=0;var _=f+4|0 } else { var
e=(r+64|0)>>2,l=Me[e];if(l>>>0<a>>>0) { var b=Se[r+4>>2],k=pe[b](1024);if(0==(0|k)) { var _=0;break } var

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u=r+60|0,c=Se[u>>2],h=k;Se[h>>2]=c,Se[u>>2]=k,Se[e]=1020;var d=1020,w=k}else var d=l,w=Se[r+60>>2];var
w,d;Se[e]=d-a|0;var _=w+(1024-d)|0}while(0);var _;return _}function Zr(r){var a=r<<24>>24;if(68==(0|a))var
e=0|He.__str157327;else if(69==(0|a))var e=0|He.__str158328;else if(70==(0|a))var e=0|He.__str159329;else
if(71==(0|a))var e=0|He.__str160330;else if(72==(0|a))var e=0|He.__str161331;else if(73==(0|a))var
e=0|He.__str162332;else if(74==(0|a))var e=0|He.__str163333;else if(75==(0|a))var e=0|He.__str164334;else
if(76==(0|a))var e=0|He.__str165335;else if(77==(0|a))var e=0|He.__str166336;else if(78==(0|a))var
e=0|He.__str167337;else if(87==(0|a))var e=0|He.__str168338;else var e=0;var e;return e}function Qr(r){var
a=r<<24>>24;if(67==(0|a))var e=0|He.__str145315;else if(68==(0|a))var e=0|He.__str146316;else if(69==(0|a))var
e=0|He.__str147317;else if(70==(0|a))var e=0|He.__str148318;else if(71==(0|a))var e=0|He.__str149319;else
if(72==(0|a))var e=0|He.__str150320;else if(73==(0|a))var e=0|He.__str151321;else if(74==(0|a))var
e=0|He.__str152322;else if(75==(0|a))var e=0|He.__str153323;else if(77==(0|a))var e=0|He.__str154324;else
if(78==(0|a))var e=0|He.__str155325;else if(79==(0|a))var e=0|He.__str156326;else if(88==(0|a))var
e=0|He.__str84254;else if(90==(0|a))var e=0|He.__str110280;else var e=0;var e;return e}function qr(r){var
a=r+44|0,e=Se[a>>2],i=zr(r);if(0==(0|i))var v=0;else var t=Gr(r,e),v=t;var v;return Se[a>>2]=e,v}function
$(r,a,e,i,v){var t,f,_s=Oe;Oe+=16;var n,o=s,_o>>2,l=s+4,b=s+8,f=b>>2;Se[l>>2]=0|ii;var
t=(a+12|0)>>2,k=Se[t];if(Ae[k]<<24>>24==69){Se[l>>2]=0|He.__str134304;var u=k+1|0;Se[t]=u;var
c=0|He.__str134304}else var c=0|ii;var c,h=i<<24>>24;do{if(65==(0|h)){var
d=Dr(a,0|He.__str135305,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=d;n=10;break}if(66==(0|h)){var
p=Dr(a,0|He.__str136306,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=p;n=10;break}if(80==(0|h)){var
E=Dr(a,0|He.__str137307,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=E;n=10;break}if(81==(0|h)){var
A=Dr(a,0|He.__str138308,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=A;n=10;break}if(82==(0|h)){var
g=Dr(a,0|He.__str139309,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=g;n=10;break}if(83==(0|h)){var
y=Dr(a,0|He.__str140310,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=y;n=10;break}if(63==(0|h)){var w=0|ii;n=10}else
n=31}while(0);r:do if(10==n){var w,m=xr(a,o,l);if(0==(0|m))break;var
S=a+44|0,M=Se[S>>2],C=Se[t],R=Ae[C]<<24>>24==89;a:do if(R){var T=C+1|0;Se[t]=T;var
O=Lr(a);if(0==(0|O))break r;var
N=Ha(O),I=Ae[w]<<24>>24==32,P=Se[_],D=0==(0|P);do{if(I){if(!D){n=17;break}var
L=w+1|0;n=18;break}if(D){var L=w;n=18;break}n=17;break}while(0);if(17==n){var
F=Dr(a,0|He.__str141311,(ne=Oe,Oe+=8,Se[ne>>2]=P,Se[ne+4>>2]=w,ne));Se[_]=0;var X=F}else if(18==n)var
L,j=Dr(a,0|He.__str142312,(ne=Oe,Oe+=4,Se[ne>>2]=L,ne)),X=j;var X;if(0==(0|N)){var U=X;break}for(var
x=X,z=N;){var z,x,V=z-
1|0,B=Lr(a),H=Dr(a,0|He.__str143313,(ne=Oe,Oe+=8,Se[ne>>2]=x,Se[ne+4>>2]=B,ne));if(0==(0|V)){var
U=H;break a}var x=H,z=V} }else var U=w;while(0);var U,K=Pr(a,b,e,0);if(0==(0|K))break;var
Y=Se[_];if(0==(0|Y)){var G=0==(0|v);do if(G){if(Ae[U]<<24>>24==0){var W=U;break}var
Z=U+1|0;if(Ae[Z]<<24>>24!=42){var W=U;break}var Q=Se[f],q=Ca(Q);if(Ae[Q+(q-1)|0]<<24>>24!=42){var
W=U;break}var W=Z}else var W=U;while(0);var
W,$=Se[f],J=Dr(a,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=$,Se[ne+4>>2]=W,ne));Se[r>>2]=J}else{var
rr=Se[f],ar=Dr(a,0|He.__str144314,(ne=Oe,Oe+=12,Se[ne>>2]=rr,Se[ne+4>>2]=Y,Se[ne+8>>2]=U,ne));Se[r>>2]=
ar}var er=Se[f+1];Se[r+4>>2]=er,Se[S>>2]=M}while(0);Oe=s}function Jr(r){var
a,e=r>>>0<245;do{if(e){if(r>>>0<11)var i=16;else var i=r+11&-8;var
i,v=i>>>3,t=Me[vi>>2],f=t>>>(v>>>0);if(0!=(3&f|0))){var
_=(1&f^1)+v|0,s_<<1,n=(s<<2)+vi+40|0,o=(s+2<<2)+vi+40|0,l=Me[o>>2],b=l+8|0,k=Me[b>>2];if((0|n)==(0|k))S
e[vi>>2]=t&(1<<^-1);else{if(k>>>0<Me[vi+16>>2]>>>0)throw Ka(),\\\\"Reached an
unreachable!\\\\";Se[o>>2]=k,Se[k+12>>2]=n}var u_<<3;Se[l+4>>2]=3|u;var
c=l+(4|u)|0,h=1|Se[c>>2];Se[c>>2]=h;var d=b;a=38;break}if(i>>>0<=Me[vi+8>>2]>>>0){var
w=i;a=30;break}if(0!=(0|f)){var p=2<<v,E=f<<v&(p-p),A=(E&-E)-
1|0,g=A>>>12&16,y=A>>>(g>>>0),m=y>>>5&8,S=y>>>(m>>>0),M=S>>>2&4,C=S>>>(M>>>0),R=C>>>1&2,
T=C>>>(R>>>0),O=T>>>1&1,N=(m|g|M|R|O)+(T>>>(O>>>0))|0,I=N<<1,P=(I<<2)+vi+40|0,D=(I+2<<2)+vi+40|

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0,L=Me[D>>2],F=L+8|0,X=Me[F>>2];if((0|P)==(0|X))Se[vi>>2]=t&(1<<N^
1);else{if(X>>>0<Me[vi+16>>2]>>>0)throw Ka(),\\\\"Reached an
unreachable!\\\\";Se[D>>2]=X,Se[X+12>>2]=P}var j=N<<3,U=j-i|0;Se[L+4>>2]=3|i;var
x=L,z=x+i|0;Se[x+(4|i)>>2]=1|U,Se[x+j>>2]=U;var V=Me[vi+8>>2];if(0!=(0|V)){var
B=Se[vi+20>>2],H=V>>>2&1073741822,K=(H<<2)+vi+40|0,Y=Me[vi>>2],G=1<<(V>>>3),W=0==(Y&G|0);do{
if(!W){var Z=(H+2<<2)+vi+40|0,Q=Me[Z>>2];if(Q>>>0>=Me[vi+16>>2]>>>0){var q=Q,$=Z;break}throw
Ka(),\\\\"Reached an unreachable!\\\\"}Se[vi>>2]=Y|G;var q=K,$=(H+2<<2)+vi+40|0}while(0);var
$,q;Se[$>>2]=B,Se[q+12>>2]=B;var J=B+8|0;Se[J>>2]=q;var
rr=B+12|0;Se[rr>>2]=K}Se[vi+8>>2]=U,Se[vi+20>>2]=z;var d=F;a=38;break}if(0==(0|Se[vi+4>>2])){var
w=i;a=30;break}var ar=r|i;if(0==(0|ar)){var w=i;a=30;break}var d=ar;a=38;break}if(r>>>0>4294967231){var
w=-1;a=30;break}var er=r+11&-8;if(0==(0|Se[vi+4>>2])){var w=er;a=30;break}var ir=ea(er);if(0==(0|ir)){var
w=er;a=30;break}var d=ir;a=38;break}while(0);if(30==a){var w,vr=Me[vi+8>>2];if(w>>>0>vr>>>0){var
tr=Me[vi+12>>2];if(w>>>0<tr>>>0){var fr=tr-w|0;Se[vi+12>>2]=fr;var
_r=Me[vi+24>>2],sr=_r;Se[vi+24>>2]=sr+w|0,Se[w+(sr+4)>>2]=1|fr,Se[_r+4>>2]=3|w;var d=_r+8|0}else var
nr=aa(w),d=nr}else{var or=vr-w|0,lr=Me[vi+20>>2];if(or>>>0>15){var
br=lr;Se[vi+20>>2]=br+w|0,Se[vi+8>>2]=or,Se[w+(br+4)>>2]=1|or,Se[br+vr>>2]=or,Se[lr+4>>2]=3|w}else{Se[vi
+8>>2]=0,Se[vi+20>>2]=0,Se[lr+4>>2]=3|vr;var kr=vr+(lr+4)|0,ur=1|Se[kr>>2];Se[kr>>2]=ur}var d=lr+8|0}var
d;return d}function ra(r){var a,e,i,v=Se[vi+4>>2],t=(v&-v)-
1|0,f=t>>>12&16,_=t>>>(f>>>0),s=_>>>5&8,n=_>>>(s>>>0),o=n>>>2&4,l=n>>>(o>>>0),b=l>>>1&2,k=l>>>(b
>>>0),u=k>>>1&1,c=Me[vi+((s|f|o|b|u)+(k>>>(u>>>0))<<2)+304>>2],h=c,e=h>>2,d=(Se[c+4>>2]&-8)-
r|0;r:for(;;)for(var d,h,w=h;){var w,p=Se[w+16>>2];if(0==(0|p)){var E=Se[w+20>>2];if(0==(0|E))break r;var
A=E}else var A=p;var A,g=(Se[A+4>>2]&-8)-r|0;if(g>>>0<d>>>0){var h=A,e=h>>2,d=g;continue r}var w=A}var
y=h,m=Me[vi+16>>2],S=y>>>0<m>>>0;do if(!S){var M=y+r|0,C=M;if(y>>>0>=M>>>0)break;var
R=Me[e+6],T=Me[e+3],O=(0|T)==(0|h);do if(O){var N=h+20|0,I=Se[N>>2];if(0==(0|I)){var
P=h+16|0,D=Se[P>>2];if(0==(0|D)){var L=0,a=L>>2;break}var F=P,X=D}else{var F=N,X=I;i=14}for(;;){var
X,F,j=X+20|0,U=Se[j>>2];if(0==(0|U)){var x=X+16|0,z=Me[x>>2];if(0==(0|z))break;var F=x,X=z}else var
F=j,X=U}if(F>>>0<m>>>0)throw Ka(),\\\\"Reached an unreachable!\\\\";Se[F>>2]=0;var L=X,a=L>>2}else{var
V=Me[e+2];if(V>>>0<m>>>0)throw Ka(),\\\\"Reached an unreachable!\\\\";Se[V+12>>2]=T,Se[T+8>>2]=V;var
L=T,a=L>>2}while(0);var L,B=0==(0|R);r:do if(!B){var
H=h+28|0,K=(Se[H>>2]<<2)+vi+304|0,Y=(0|h)==(0|Se[K>>2]);do{if(Y){if(Se[K>>2]=L,0!=(0|L))break;var
G=Se[vi+4>>2]&(1<<Se[H>>2]^1);Se[vi+4>>2]=G;break r}if(R>>>0<Me[vi+16>>2]>>>0)throw
Ka(),\\\\"Reached an unreachable!\\\\";var
W=R+16|0;if((0|Se[W>>2])==(0|h)?Se[W>>2]=L:Se[R+20>>2]=L,0==(0|L))break
r}while(0);if(L>>>0<Me[vi+16>>2]>>>0)throw Ka(),\\\\"Reached an unreachable!\\\\";Se[a+6]=R;var
Z=Me[e+4];if(0!=(0|Z)){if(Z>>>0<Me[vi+16>>2]>>>0)throw Ka(),\\\\"Reached an
unreachable!\\\\";Se[a+4]=Z,Se[Z+24>>2]=L}var
Q=Me[e+5];if(0==(0|Q))break;if(Q>>>0<Me[vi+16>>2]>>>0)throw Ka(),\\\\"Reached an
unreachable!\\\\";Se[a+5]=Q,Se[Q+24>>2]=L}while(0);if(d>>>0<16){var q=d+r|0;Se[e+1]=3|q;var
$,q=(y+4)|0,J=1|Se[$>>2];Se[$>>2]=J}else{Se[e+1]=3|r,Se[r+(y+4)>>2]=1|d,Se[y+d+r>>2]=d;var
rr=Me[vi+8>>2];if(0!=(0|rr)){var
ar=Me[vi+20>>2],er=rr>>>2&1073741822,ir=(er<<2)+vi+40|0,vr=Me[vi>>2],tr=1<<(rr>>>3),fr=0==(vr&tr|0);do{
if(!fr){var _r=(er+2<<2)+vi+40|0,sr=Me[_r>>2];if(sr>>>0>=Me[vi+16>>2]>>>0){var nr=sr,or=_r;break}throw
Ka(),\\\\"Reached an unreachable!\\\\"}Se[vi>>2]=vr|tr;var nr=ir,or=(er+2<<2)+vi+40|0}while(0);var
or,nr;Se[or>>2]=ar,Se[nr+12>>2]=ar,Se[ar+8>>2]=nr,Se[ar+12>>2]=ir}Se[vi+8>>2]=d,Se[vi+20>>2]=C}return
h+8|0}while(0);throw Ka(),\\\\"Reached an unreachable!\\\\"}function aa(r){var a,e;0==(0|Se[ti>>2])&&ba();var
i=0==(4&Se[vi+440>>2]|0);do{if(i){var v=Se[vi+24>>2],t=0==(0|v);do{if(!t){var
f=v,_=ua(f);if(0==(0|_)){e=6;break}var s=Se[ti+8>>2],n=r+47-Se[vi+12>>2]+s&-
s;if(n>>>0>=2147483647){e=14;break}var o=re(n);if((0|o)==(Se[_>>2]+Se[_+4>>2]|0)){var

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l=o,b=n,k=o;e=13;break } var u=o,c=n;e=15;break } e=6 } while(0);do if(6===e){ var h=re(0);if((0|h)===
1){e=14;break } var d=Se[ti+8>>2],w=d+(r+47)&-d,p=h,E=Se[ti+4>>2],A=E-1|0;if(0===(A&p|0))var g=w;else var
g=w-p+(A+p&-E)|0;var g;if(g>>>0>=2147483647){ e=14;break } var y=re(g);if((0|y)===(0|h)){ var
l=h,b=g,k=y;e=13;break } var u=y,c=g;e=15;break } while(0);if(13===e){ var k,b,l;if((0|l)!=-1){ var
m=b,S=l;e=26;break } var u=k,c=b} else if(14===e){ var M=4|Se[vi+440>>2];Se[vi+440>>2]=M,e=23;break } var
c,u,C=0|-c,R=(0|u)!=-1&c>>>0<2147483647;do {if(R){if(c>>>0>=(r+48|0)>>>0){ var T=c;e=21;break } var
O=Se[ti+8>>2],N=r+47-c+O&-O;if(N>>>0>=2147483647){ var T=c;e=21;break } var I=re(N);if((0|I)===-
1){re(C);e=22;break } var T=N+c|0;e=21;break } var T=c;e=21 } while(0);if(21===e){ var T;if((0|u)!=-1){ var
m=T,S=u;e=26;break } } var P=4|Se[vi+440>>2];Se[vi+440>>2]=P,e=23;break } e=23 } while(0);do if(23===e){ var
D=Se[ti+8>>2],L=D+(r+47)&-D;if(L>>>0>=2147483647){ e=49;break } var F=re(L),X=re(0);if(!((0|X)!=-
1&(0|F)!=-1&F>>>0<X>>>0)) { e=49;break } var j=X-F|0;if(j>>>0<=(r+40|0)>>>0|(0|F)===-1){ e=49;break } var
m=j,S=F;e=26;break } while(0);r:do if(26===e){ var
S,m,U=Se[vi+432>>2]+m|0;Se[vi+432>>2]=U,U>>>0>Me[vi+436>>2]>>>0&&(Se[vi+436>>2]=U);var
x=Me[vi+24>>2],z=0==(0|x);a:do if(z){ var
V=Me[vi+16>>2];0==(0|V)|S>>>0<V>>>0&&(Se[vi+16>>2]=S),Se[vi+444>>2]=S,Se[vi+448>>2]=m,Se[vi+456
>>2]=0;var B=Se[ti>>2];Se[vi+36>>2]=B,Se[vi+32>>2]=-1,ha(),ca(S,m-40|0)} else {for(var
H=vi+444|0,a=H>>2;){ var H;if(0==(0|H))break;var
K=Me[a],Y=H+4|0,G=Me[Y>>2],W=K+G|0;if((0|S)===(0|W)){ if(0!=(8&Se[a+3]|0))break;var
Z=x;if(!(Z>>>0>=K>>>0&Z>>>0<W>>>0))break;Se[Y>>2]=G+m|0;var
Q=Se[vi+24>>2],q=Se[vi+12>>2]+m|0;ca(Q,q);break a } var
H=Se[a+2],a=H>>2 } S>>>0<Me[vi+16>>2]>>>0&&(Se[vi+16>>2]=S);for(var $=S+m|0,J=vi+444|0;){ var
J;if(0==(0|J))break;var rr=0|J,ar=Me[rr>>2];if((0|ar)===(0|$)){ if(0!=(8&Se[J+12>>2]|0))break;Se[rr>>2]=S;var
er=J+4|0,ir=Se[er>>2]+m|0;Se[er>>2]=ir;var vr=da(S,ar,r),tr=vr;e=50;break r } var
J=Se[J+8>>2]|Ma(S,m)} while(0);var fr=Me[vi+12>>2];if(fr>>>0<=r>>>0){ e=49;break } var _r=fr-
r|0;Se[vi+12>>2]=_r;var sr=Me[vi+24>>2],nr=sr;Se[vi+24>>2]=nr+r|0,Se[r+(nr+4)>>2]=1|_r,Se[sr+4>>2]=3|r;var
tr=sr+8|0;e=50;break } while(0);if(49===e){ var or=Je();Se[or>>2]=12;var tr=0 } var tr;return tr } function ea(r){ var
a,e,i,v,t,f,_r>>2,s=0|-r,n=r>>>8,o=0==(0|n);do if(o) var l=0;else {if(r>>>0>16777215){ var l=31;break } var
b=(n+1048320|0)>>>16&8,k=n<<b,u=(k+520192|0)>>>16&4,c=k<<u,h=(c+245760|0)>>>16&2,d=14-
(u|b|h)+(c<<h>>>15)|0,l=r>>>((d+7|0)>>>0)&1|d<<1 } while(0);var l,w=Me[vi+(l<<2)+304>>2],p=0==(0|w);r:do
if(p) var E=0,A=s,g=0;else { if(31==(0|l))var y=0;else var y=25-(l>>>1)|0;for(var
y,m=0,S=s,M=w,t=M>>2,C=r<<y,R=0;){ var R,C,M,S,m,T=Se[t+1]&-8,O=T-
r|0;if(O>>>0<S>>>0){ if((0|T)===(0|r)){ var E=M,A=O,g=M;break r } var N=M,I=O} else var N=m,I=S;var
I,N,P=Me[t+5],D=Me[((C>>>31<<2)+16>>2)+t],L=0==(0|P)|(0|P)===(0|D)?R:P;if(0==(0|D)){ var
E=N,A=I,g=L;break r } var m=N,S=I,M=D,t=M>>2,C=C<<1,R=L } } while(0);var g,A,E,F=0==(0|g)&0==(0|E);do
if(F){ var X=2<<l,j=Se[vi+4>>2]&(X|-X);if(0==(0|j)){ var U=g;break } var x=(j&-j)-
1|0,z=x>>>12&16,V=x>>>(z>>>0),B=V>>>5&8,H=V>>>(B>>>0),K=H>>>2&4,Y=H>>>(K>>>0),G=Y>>>1&2
,W=Y>>>(G>>>0),Z=W>>>1&1,U=Se[vi+((B|z|K|G|Z)+(W>>>(Z>>>0))<<2)+304>>2]} else var
U=g;while(0);var U,Q=0==(0|U);r:do if(Q) var q=A,$=E,v=$>>2;else for(var J=U,i=J>>2,rr=A,ar=E;){ var
ar,rr,J,er=(Se[i+1]&-8)-r|0,ir=er>>>0<rr>>>0,vr=ir?er:rr,tr=ir?J:ar,fr=Me[i+4];if(0==(0|fr)){ var
_r=Me[i+5];if(0==(0|_r)){ var q=vr,$=tr,v=$>>2;break r } var J=_r,i=J>>2,rr=vr,ar=tr} else var
J=fr,i=J>>2,rr=vr,ar=tr} while(0);var $,q,sr=0==(0|$);r:do {if(!sr){ if(q>>>0>=(Se[vi+8>>2]-r|0)>>>0){ var
nr=0;break } var or=$,e=or>>2,lr=Me[vi+16>>2],br=or>>>0<lr>>>0;do if(!br){ var
kr=or+r|0,ur=kr;if(or>>>0>=kr>>>0)break;var cr=Me[v+6],hr=Me[v+3],dr=(0|hr)===(0|$);do if(dr){ var
wr=$+20|0,pr=Se[wr>>2];if(0==(0|pr)){ var Er=$+16|0,Ar=Se[Er>>2];if(0==(0|Ar)){ var gr=0,a=gr>>2;break } var
yr=Er,mr=Ar} else { var yr=wr,mr=pr;f=28 } for(;;){ var mr,yr,Sr=mr+20|0,Mr=Se[Sr>>2];if(0==(0|Mr)){ var
Cr=mr+16|0,Rr=Me[Cr>>2];if(0==(0|Rr))break;var yr=Cr,mr=Rr} else var yr=Sr,mr=Mr} if(yr>>>0<lr>>>0)throw
Ka(),\\\\"Reached an unreachable!\\\\";Se[yr>>2]=0;var gr=mr,a=gr>>2} else { var
Tr=Me[v+2];if(Tr>>>0<lr>>>0)throw Ka(),\\\\"Reached an unreachable!\\\\";Se[Tr+12>>2]=hr,Se[hr+8>>2]=Tr;var

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gr=hr,a=gr>>2}while(0);var gr,Or=0==(0|cr);a:do if(!Or){ var
Nr=$+28|0,Ir=(Se[Nr>>2]<<2)+vi+304|0,Pr=(0|$)==(0|Se[Ir>>2]);do {if(Pr){ if(Se[Ir>>2]=gr,0!=(0|gr))break;var
Dr=Se[vi+4>>2]&(1<<Se[Nr>>2]^-1);Se[vi+4>>2]=Dr;break a }if(cr>>>0<Me[vi+16>>2]>>>0)throw
Ka(),\\\\"Reached an unreachable!\\\\";var
Lr=cr+16|0;if((0|Se[Lr>>2])==(0|$)?Se[Lr>>2]=gr:Se[cr+20>>2]=gr,0==(0|gr))break
a}while(0);if(gr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\\\\"Reached an unreachable!\\\\";Se[a+6]=cr;var
Fr=Me[v+4];if(0!=(0|Fr)){ if(Fr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\\\\"Reached an
unreachable!\\\\";Se[a+4]=Fr,Se[Fr+24>>2]=gr } var
Xr=Me[v+5];if(0==(0|Xr))break;if(Xr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\\\\"Reached an
unreachable!\\\\";Se[a+5]=Xr,Se[Xr+24>>2]=gr } while(0);var jr=q>>>0<16;a:do if(jr){ var
Ur=q+r|0;Se[v+1]=3|Ur;var xr=Ur+(or+4)|0,zr=1|Se[xr>>2];Se[xr>>2]=zr} else
if(Se[v+1]=3|r,Se[_+(e+1)]=1|q,Se[(q>>2)+e+]=q,q>>>0<256){ var
Vr=q>>>2&1073741822,Br=(Vr<<2)+vi+40|0,Hr=Me[vi>>2],Kr=1<<(q>>>3),Yr=0==(Hr&Kr|0);do {if(!Yr){ var
Gr=(Vr+2<<2)+vi+40|0,Wr=Me[Gr>>2];if(Wr>>>0>=Me[vi+16>>2]>>>0){ var Zr=Wr,Qr=Gr;break } throw
Ka(),\\\\"Reached an unreachable!\\\\"} Se[vi>>2]=Hr|Kr;var Zr=Br,Qr=(Vr+2<<2)+vi+40|0} while(0);var
Qr,Zr;Se[Qr>>2]=ur,Se[Zr+12>>2]=ur,Se[_+(e+2)]=Zr,Se[_+(e+3)]=Br} else { var qr=kr,$r=q>>>8,Jr=0==(0|$r);do
if(Jr)var ra=0;else { if(q>>>0>16777215){ var ra=31;break } var
aa=($r+1048320|0)>>>16&8,ea=$r<<aa,ia=(ea+520192|0)>>>16&4,va=ea<<ia,ta=(va+245760|0)>>>16&2,fa=14-
(ia|aa|ta)+(va<<ta)>>>15|0,ra=q>>>((fa+7|0)>>>0)&1|fa<<1 } while(0);var
ra,_a=(ra<<2)+vi+304|0;Se[_+(e+7)]=ra;var sa=r+(or+16)|0;Se[_+(e+5)]=0,Se[sa>>2]=0;var
na=Se[vi+4>>2],oa=1<<ra;if(0==(na&oa|0)){ var
la=na|oa;Se[vi+4>>2]=la,Se[_a>>2]=qr,Se[_+(e+6)]=_a,Se[_+(e+3)]=qr,Se[_+(e+2)]=qr} else { if(31==(0|ra))var
ba=0;else var ba=25-(ra>>>1)|0;for(var ba,ka=q<<ba,ua=Se[_a>>2];;){ var ua,ka;if((Se[ua+4>>2]&-
8|0)==(0|q)){ var ca=ua+8|0,ha=Me[ca>>2],da=Me[vi+16>>2],wa=ua>>>0<da>>>0;do
if(!wa){ if(ha>>>0<da>>>0)break;Se[ha+12>>2]=qr,Se[ca>>2]=qr,Se[_+(e+2)]=ha,Se[_+(e+3)]=ua,Se[_+(e+6)]=0;
break a } while(0);throw Ka(),\\\\"Reached an unreachable!\\\\"} var
pa=(ka>>>31<<2)+ua+16|0,Ea=Me[pa>>2];if(0==(0|Ea)){ if(pa>>>0>=Me[vi+16>>2]>>>0){ Se[pa>>2]=qr,Se[_+(
e+6)]=ua,Se[_+(e+3)]=qr,Se[_+(e+2)]=qr;break a } throw Ka(),\\\\"Reached an unreachable!\\\\"} var
ka=ka<<1,ua=Ea } } while(0);var nr=$+8|0;break r } while(0);throw Ka(),\\\\"Reached an unreachable!\\\\"} var
nr=0} while(0);var nr;return nr} function ia(r){ var a;0==(0|Se[ti>>2])&&ba();var e=r>>>0<4294967232;r:do
if(e){ var i=Me[vi+24>>2];if(0==(0|i)){ var v=0;break } var t=Me[vi+12>>2],f=t>>>0>(r+40|0)>>>0;do if(f){ var
_=Me[ti+8>>2],s=-40-r-1+t+_|0,n=Math.floor((s>>>0)/(<>>>0)),o=(n-
1)*_|0,l=i,b=ua(l);if(0!=(8&Se[b+12>>2]|0))break;var
k=re(0),a=(b+4|0)>>2;if((0|k)!=Se[b>>2]+Se[a|0])break;var u=o>>>0>2147483646?-2147483648-_|0:o,c=0|-
u,h=re(c),d=re(0);if(!((0|h)!=-1&d>>>0<k>>>0))break;var w=k-d|0;if((0|k)==(0|d))break;var p=Se[a]-
w|0;Se[a]=p;var E=Se[vi+432>>2]-w|0;Se[vi+432>>2]=E;var A=Se[vi+24>>2],g=Se[vi+12>>2]-w|0;ca(A,g);var
v=(0|k)!=0|d);break r } while(0);if(Me[vi+12>>2]>>>0<=Me[vi+28>>2]>>>0){ var v=0;break } Se[vi+28>>2]=-1;var
v=0} else var v=0;while(0);var v;return 1&v } function va(r){ var a,e,i,v,t,f,_,s=r>>2,n=0==(0|r);r:do if(!n){ var o=r-
8|0,l=o,b=Me[vi+16>>2],k=o>>>0<b>>>0;a:do if(!k){ var u=Me[r-4>>2],c=3&u;if(1==(0|c))break;var h=u&-
8,f=h>>2,d=r+(h-8)|0,w=d,p=0==(1&u|0);e:do if(p){ var E=Me[o>>2];if(0==(0|c))break r;var A=-8-
E|0,t=A>>2,g=r+A|0,y=g,m=E+h|0;if(g>>>0<b>>>0)break a;if((0|y)==(0|Se[vi+20>>2])){ var v=(r+(h-
4)|0)>>2;if(3!=(3&Se[v]|0)){ var S=y,i=S>>2,M=m;break } Se[vi+8>>2]=m;var C=Se[v]&-
2;Se[v]=C,Se[t+(s+1)]=1|m,Se[d>>2]=m;break r } if(E>>>0<256){ var
R=Me[t+(s+2)],T=Me[t+(s+3)];if((0|R)!=0|T){ var
O=((E>>>2&1073741822)<<2)+vi+40|0,N=(0|R)!=0|O)&R>>>0<b>>>0;do
if(!N){ if(!((0|T)==(0|O)|T>>>0>=b>>>0))break;Se[R+12>>2]=T,Se[T+8>>2]=R;var S=y,i=S>>2,M=m;break
e } while(0);throw Ka(),\\\\"Reached an unreachable!\\\\"} var I=Se[vi>>2]&(1<<(E>>>3)^-1);Se[vi>>2]=I;var
S=y,i=S>>2,M=m} else { var P=g,D=Me[t+(s+6)],L=Me[t+(s+3)],F=(0|L)==(0|P);do if(F){ var

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X=A+(r+20)|0,j=Se[X>>2];if(0==(0|j)){ var U=A+(r+16)|0,x=Se[U>>2];if(0==(0|x)){ var z=0,e=z>>2;break } var
V=U,B=x}else{ var V=X,B=j;_ =21 }for(;;){ var B,V,H=B+20|0,K=Se[H>>2];if(0==(0|K)){ var
Y=B+16|0,G=Me[Y>>2];if(0==(0|G))break;var V=Y,B=G}else var V=H,B=K}if(V>>>0<b>>>0)throw
Ka(),\|"Reached an unreachable!\|"";Se[V>>2]=0;var z=B,e=z>>2}else{ var
W=Me[t+(s+2)];if(W>>>0<b>>>0)throw Ka(),\|"Reached an
unreachable!\|"";Se[W+12>>2]=L,Se[L+8>>2]=W;var z=L,e=z>>2} while(0);var z;if(0==(0|D)){ var
S=y,i=S>>2,M=m;break } var
Z=A+(r+28)|0,Q=(Se[Z>>2]<<2)+vi+304|0,q=(0|P)==(0|Se[Q>>2]);do {if(q){ if(Se[Q>>2]=z,0!=(0|z))break;var
$=Se[vi+4>>2]&(1<<Se[Z>>2]^1);Se[vi+4>>2]=$;var S=y,i=S>>2,M=m;break
e}if(D>>>0<Me[vi+16>>2]>>>0)throw Ka(),\|"Reached an unreachable!\|"";var
J=D+16|0;if((0|Se[J>>2])==(0|P)?Se[J>>2]=z:Se[D+20>>2]=z,0==(0|z)){ var S=y,i=S>>2,M=m;break
e} } while(0);if(z>>>0<Me[vi+16>>2]>>>0)throw Ka(),\|"Reached an unreachable!\|"";Se[e+6]=D;var
rr=Me[t+(s+4)];if(0!=(0|rr)){ if(rr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\|"Reached an
unreachable!\|"";Se[e+4]=rr,Se[rr+24>>2]=z} var ar=Me[t+(s+5)];if(0==(0|ar)){ var
S=y,i=S>>2,M=m;break }if(ar>>>0<Me[vi+16>>2]>>>0)throw Ka(),\|"Reached an
unreachable!\|"";Se[e+5]=ar,Se[ar+24>>2]=z;var S=y,i=S>>2,M=m} } else var S=l,i=S>>2,M=h;while(0);var
M,S,er=S;if(er>>>0>=d>>>0)break;var ir=r+(h-4)|0,vr=Me[ir>>2];if(0==(1&vr|0))break;var
tr=0==(2&vr|0);do {if(tr){ if((0|w)==(0|Se[vi+24>>2])){ var
fr=Se[vi+12>>2]+M|0;Se[vi+12>>2]=fr,Se[vi+24>>2]=S;var
_r=1|fr;if(Se[i+1]=_r,(0|S)==(0|Se[vi+20>>2])&&(Se[vi+20>>2]=0,Se[vi+8>>2]=0),fr>>>0<=Me[vi+28>>2]>>>0)
break r;ia(0);break r}if((0|w)==(0|Se[vi+20>>2])){ var sr=Se[vi+8>>2]+M|0;Se[vi+8>>2]=sr,Se[vi+20>>2]=S;var
nr=1|sr;Se[i+1]=nr;var or=er+sr|0;Se[or>>2]=sr;break r} var lr=(vr&-8)+M|0,br=vr>>>3,kr=vr>>>0<256;e:do
if(kr){ var ur=Me[s+f],cr=Me[((4|h)>>2)+s];if((0|ur)!=0|cr){ var
hr=((vr>>>2&1073741822)<<2)+vi+40|0,dr=(0|ur)==(0|hr);do {if(!dr){ if(ur>>>0<Me[vi+16>>2]>>>0){ _ =66;break
} _ =63;break } _ =63} while(0);do
if(63==_) {if((0|cr)!=0|hr)&&cr>>>0<Me[vi+16>>2]>>>0)break;Se[ur+12>>2]=cr,Se[cr+8>>2]=ur;break
e} while(0);throw Ka(),\|"Reached an unreachable!\|" } var wr=Se[vi>>2]&(1<<br^1);Se[vi>>2]=wr} else{ var
pr=d,Er=Me[f+(s+4)],Ar=Me[((4|h)>>2)+s],gr=(0|Ar)==(0|pr);do {if(gr){ var
yr=h+(r+12)|0,mr=Se[yr>>2];if(0==(0|mr)){ var Sr=h+(r+8)|0,Mr=Se[Sr>>2];if(0==(0|Mr)){ var
Cr=0,a=Cr>>2;break } var Rr=Sr,Tr=Mr} else{ var Rr=yr,Tr=mr;_ =73} for(;;){ var
Tr,Rr,Or=Tr+20|0,Nr=Se[Or>>2];if(0==(0|Nr)){ var Ir=Tr+16|0,Pr=Me[Ir>>2];if(0==(0|Pr))break;var
Rr=Ir,Tr=Pr} else var Rr=Or,Tr=Nr}if(Rr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\|"Reached an
unreachable!\|"";Se[Rr>>2]=0;var Cr=Tr,a=Cr>>2} else{ var Dr=Me[s+f];if(Dr>>>0<Me[vi+16>>2]>>>0)throw
Ka(),\|"Reached an unreachable!\|"";Se[Dr+12>>2]=Ar,\|nSe[Ar+8>>2]=Dr;var Cr=Ar,a=Cr>>2} while(0);var
Cr;if(0==(0|Er))break;var
Lr=h+(r+20)|0,Fr=(Se[Lr>>2]<<2)+vi+304|0,Xr=(0|pr)==(0|Se[Fr>>2]);do {if(Xr){ if(Se[Fr>>2]=Cr,0!=(0|Cr))break
;var jr=Se[vi+4>>2]&(1<<Se[Lr>>2]^1);Se[vi+4>>2]=jr;break e}if(Er>>>0<Me[vi+16>>2]>>>0)throw
Ka(),\|"Reached an unreachable!\|"";var
Ur=Er+16|0;if((0|Se[Ur>>2])==(0|pr)?Se[Ur>>2]=Cr:Se[Er+20>>2]=Cr,0==(0|Cr))break
e} while(0);if(Cr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\|"Reached an unreachable!\|"";Se[a+6]=Er;var
xr=Me[f+(s+2)];if(0!=(0|xr)){ if(xr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\|"Reached an
unreachable!\|"";Se[a+4]=xr,Se[xr+24>>2]=Cr} var
zr=Me[f+(s+3)];if(0==(0|zr))break;if(zr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\|"Reached an
unreachable!\|"";Se[a+5]=zr,Se[zr+24>>2]=Cr} while(0);if(Se[i+1]=1|lr,Se[er+lr>>2]=lr,(0|S)!=0|Se[vi+20>>2])){ v
ar Vr=lr;break }Se[vi+8>>2]=lr;break r}Se[ir>>2]=vr&-2,Se[i+1]=1|M,Se[er+M>>2]=M;var Vr=M} while(0);var
Vr;if(Vr>>>0<256){ var
Br=Vr>>>2&1073741822,Hr=(Br<<2)+vi+40|0,Kr=Me[vi>>2],Yr=1<<(Vr>>>3),Gr=0==(Kr&Yr|0);do {if(!Gr){ va
r Wr=(Br+2<<2)+vi+40|0,Zr=Me[Wr>>2];if(Zr>>>0)=Me[vi+16>>2]>>>0){ var Qr=Zr,qr=Wz;break } throw

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Ka(),\|"Reached an unreachable!\|" }Se[vi>>2]=Kr|Yr;var Qr=Hr,qr=(Br+2<<2)+vi+40|0} while(0);var
qr,Qr;Se[qr>>2]=S,Se[Qr+12>>2]=S,Se[i+2]=Qr,Se[i+3]=Hr;break r}var $r=S,Jr=Vr>>>8,ra=0==(0|Jr);do if(ra)var
aa=0;else {if(Vr>>>0>16777215){ var aa=31;break } var
ea=(Jr+1048320|0)>>>16&8,va=Jr<<<ea,fa=(va+520192|0)>>>16&4,_a=va<<<fa,sa=( _a+245760|0)>>>16&2,na=14-
(fa|ea|sa)+( _a<<<sa>>>15)|0,aa=Vr>>>(na+7|0)>>>0}&1|na<<<1} while(0);var
aa,oa=(aa<<2)+vi+304|0;Se[i+7]=aa,Se[i+5]=0,Se[i+4]=0;var la=Se[vi+4>>2],ba=1<<<aa,ka=0==(la&ba|0);e:do
if(ka){ var ua=la|ba;Se[vi+4>>2]=ua,Se[oa>>2]=$r,Se[i+6]=oa,Se[i+3]=S,Se[i+2]=S }else {if(31==(0|aa))var
ca=0;else var ca=25-(aa>>>1)|0;for(var ca,ha=Vr<<<ca,da=Se[oa>>2];){ var da,ha;if((Se[da+4>>2]&-
8|0)==(0|Vr)){ var wa=da+8|0,pa=Me[wa>>2],Ea=Me[vi+16>>2],Aa=da>>>0<Ea>>>0;do
if(!Aa){ if(pa>>>0<Ea>>>0)break;Se[pa+12>>2]=$r,Se[wa>>2]=$r,Se[i+2]=pa,Se[i+3]=da,Se[i+6]=0;break
e} while(0);throw Ka(),\|"Reached an unreachable!\|" } var
ga=(ha>>>31<<<2)+da+16|0,ya=Me[ga>>2];if(0==(0|ya)){ if(ga>>>0>=Me[vi+16>>2]>>>0){ Se[ga>>2]=$r,Se[i+6]
=da,Se[i+3]=S,Se[i+2]=S;break e} throw Ka(),\|"Reached an unreachable!\|" } var ha=ha<<<1,da=ya } } while(0);var
ma=Se[vi+32>>2]-1|0;if(Se[vi+32>>2]=ma,0!=(0|ma))break r;ta();break r} while(0);throw Ka(),\|"Reached an
unreachable!\|" } while(0)} function ta() { var r=Se[vi+452>>2],a=0==(0|r);r:do if(!a)for(var e=r;){ var
e,i=Se[e+8>>2];if(0==(0|i))break r;var e=i} while(0);Se[vi+32>>2]=-1} function fa(r,a) { if(0==(0|r))var
e=Jr(a),i=e;else var v=la(r,a),i=v;var i;return i} function _a(r,a) { var e,i=r>>>0<9;do if(i)var v=Jr(a),t=v;else { var
f=r>>>0<16?16:r,_=0==(f-1&f|0);r:do if(_var s=f;else {if(f>>>0<=16){ var s=16;break }for(var n=16;){ var
n,o=n<<<1;if(o>>>0>=f>>>0){ var s=o;break r} var n=o } } while(0);var s;if((-64-s|0)>>>0>a>>>0){ if(a>>>0<11)var
l=16;else var l=a+11&-8;var l,b=Jr(l+(s+12)|0);if(0==(0|b)){ var t=0;break } var k=b-
8|0;if(0==(b>>>0)% (s>>>0)|0))var u=k,c=0;else { var h=b+(s-1)&-s,d=h-8|0,w=k;if((d-w|0)>>>0>15)var p=d;else
var p=h+(s-8)|0;var p,E=p-w|0,e=(b-4|0)>>2,A=Se[e],g=(A&-8)-E|0;if(0==(3&A|0)){ var
y=Se[k>>2]+E|0;Se[p>>2]=y,Se[p+4>>2]=g;var u=p,c=0} else { var m=p+4|0,S=g|1&Se[m>>2]|2;Se[m>>2]=S;var
M=g+(p+4)|0,C=1|Se[M>>2];Se[M>>2]=C;var R=E|1&Se[e]|2;Se[e]=R;var T=b+(E-
4)|0,O=1|Se[T>>2];Se[T>>2]=O;var u=p,c=b } } var c,u,N=u+4|0,I=Me[N>>2],P=0==(3&I|0);do if(P)var
D=0;else { var L=I&-8;if(L>>>0<=(l+16|0)>>>0){ var D=0;break } var F=L-
l|0;Se[N>>2]=l|1&I|2,Se[u+(4|l)>>2]=3|F;var X=u+(4|L)|0,j=1|Se[X>>2];Se[X>>2]=j;var D=1+(u+8)|0} while(0);var
D;0!=(0|c)&&va(c),0!=(0|D)&&va(D);var t=u+8|0} else { var U=Je();Se[U>>2]=12;var t=0 } } while(0);var t;return
t} function sa(r,a,e,i) { var v,t;0==(0|Se[ti>>2])&&ba();var f=0==(0|i),_=0==(0|r);do {if(f){ if(_ { var
s=Jr(0),n=s;t=30;break } var o=r<<<2;if(o>>>0<11){ var l=0,b=16;t=9;break } var l=0,b=o+11&-8;t=9;break } if(_ { var
n=i;t=30;break } var l=i,b=0;t=9;break } } while(0);do if(9==t){ var b,l,k=0==(1&e|0);r:do if(k){ if(_ { var
u=0,c=0;break } for(var h=0,d=0;){ var d,h,w=Me[a+(d<<<2)>>2];if(w>>>0<11)var p=16;else var p=w+11&-8;var
p,E=p+h|0,A=d+1|0;if((0|A)==(0|r)){ var u=0,c=E;break r } var h=E,d=A } } else { var g=Me[a>>2];if(g>>>0<11)var
y=16;else var y=g+11&-8;var y,u=y,c=y*r|0} while(0);var c,u,m=Jr(b-4+c|0);if(0==(0|m)){ var n=0;break } var S=m-
8|0,M=Se[m-4>>2]&-8;if(0!=(2&e|0)){ var C=-4-b+M|0;Fa(m,O,C,1)} if(0==(0|l)){ var R=m+c|0,T=M-c|3;Se[m+(c-
4)>>2]=T;var O=R,v=O>>2,N=c} else var O=1,v=O>>2,N=M;var N,O;Se[v]=m;var I=r-1|0,P=0==(0|I);r:do if(P)var
D=S,L=N;else if(0==(0|u))for(var F=S,X=N,j=0;){ var j,X,F,U=Me[a+(j<<<2)>>2];if(U>>>0<11)var x=16;else var
x=U+11&-8;var x,z=X-x|0;Se[F+4>>2]=3|x;var
V=F+x|0,B=j+1|0;if(Se[(B<<<2)>>2]+v]=x+(F+8)|0,(0|B)==(0|I)){ var D=V,L=z;break r } var F=V,X=z,j=B } else
for(var H=3|u,K=u+8|0,Y=S,G=N,W=0;){ var W,G,Y,Z=G-u|0;Se[Y+4>>2]=H;var
Q=Y+u|0,q=W+1|0;if(Se[(q<<<2)>>2]+v]=Y+K|0,(0|q)==(0|I)){ var D=Q,L=Z;break r } var
Y=Q,G=Z,W=q} while(0);var L,D;Se[D+4>>2]=3|L;var n=O} while(0);var n;return n} function na(r) { var
a=r>>>2;0==(0|Se[ti>>2])&&ba();var e=Me[vi+24>>2];if(0==(0|e))var i=0,v=0,t=0,f=0, _=0,s=0,n=0;else {for(var
o=Me[vi+12>>2],l=o+40|0,b=vi+444|0,k=1,u=1,c=1;){ var c,u,k,b,h=Me[b>>2],d=h+8|0;if(0==(7&d|0))var w=0;else
var w=7&-d;for(var w,p=b+4|0,E=h+w|0,A=c,g=u,y=k;){ var
y,g,A,E;if(E>>>0<h>>>0)break;if(E>>>0>=(h+Se[p>>2]|0)>>>0(0|E)==(0|e))break;var
m=Se[E+4>>2];if(7==(0|m))break;var S=m&-8,M=S+y|0;if(1==(3&m|0))var C=A+1|0,R=S+g|0;else var
C=A,R=g;var R,C,E=E+S|0,A=C,g=R,y=M} var T=Me[b+8>>2];if(0==(0|T))break;var b=T,k=y,u=g,c=A } var

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O=Se[vi+432>>2],i=y,v=A,t=o,f=g,_=O-y|0,s=Se[vi+436>>2],n=O-g|0}var
n,s,_f,t,v,i;Se[a]=i,Se[a+1]=v,Se[a+2]=0,Se[a+3]=0,Se[a+4]=_,Se[a+5]=s,Se[a+6]=0,Se[a+7]=n,Se[a+8]=f,Se[a+9]
=t}function oa(){0==(0|Se[ti>>2])&&ba();var r=Me[vi+24>>2],a=0==(0|r);r:do if(a)var e=0,i=0,v=0;else for(var
t=Se[vi+436>>2],f=Me[vi+432>>2],_=vi+444|0,s=f-40-Se[vi+12>>2]|0;){var
s,_n=Me[_>>2],o=n+8|0;if(0==(7&o|0))var l=0;else var l=7&o;for(var l,b=_+4|0,k=n+l|0,u=s;){var
u,k;if(k>>>0<n>>>0)break;if(k>>>0>=(n+Se[b>>2]|0)>>>0(0|k)==(0|r))break;var
c=Se[k+4>>2];if(7==(0|c))break;var h=c&-8,d=1==(3&c|0)?h:0,w=u-d|0,k=k+h|0,u=w}var
p=Me[_+8>>2];if(0==(0|p)){var e=t,i=f,v=u;break r}var _=p,s=u}while(0);var
v,i,e,E=Se[Se[qe>>2]+12>>2],A=(Qa(E,0|He.__str339,(ne=Oe,Oe+=4,Se[ne>>2]=e,ne)),Se[Se[qe>>2]+12>>2]),g=
(Qa(A,0|He.__str1340,(ne=Oe,Oe+=4,Se[ne>>2]=i,ne)),Se[Se[qe>>2]+12>>2]);Qa(g,0|He.__str2341,(ne=Oe,Oe+=
4,Se[ne>>2]=v,ne))}function la(r,a){var e,i,v,t=a>>>0>4294967231;r:do{if(!t){var f=r-8|0,_=f,i=(r-
4|0)>>2,s=Me[i],n=s&-8,o=n-8|0,l=r+o|0,b=f>>>0<Me[vi+16>>2]>>>0;do if(!b){var k=3&s;if(!(1!=(0|k)&(0|o)>-
8))break;var e=(r+(n-4)|0)>>2;if(0==(1&Se[e]|0))break;if(a>>>0<11)var u=16;else var u=a+11&-8;var
u,c=0==(0|k);do{if(c){var
h=ka(_u),d=0,w=h;v=17;break}if(n>>>0<u>>>0){if((0|l)!=0(Se[vi+24>>2])){v=21;break}var
p=Se[vi+12>>2]+n|0;if(p>>>0<u>>>0){v=21;break}var E=p-u|0,A=r+(u-8)|0;Se[i]=u|1&s|2;var g=1|E;Se[r+(u-
4)>>2]=g,Se[vi+24>>2]=A,Se[vi+12>>2]=E;var d=0,w=_;v=17;break}var y=n-u|0;if(y>>>0<=15){var
d=0,w=_;v=17;break}Se[i]=u|1&s|2,Se[r+(u-4)>>2]=3|y;var m=1|Se[e];Se[e]=m;var
d=r+u|0,w=_;v=17;break}while(0);do if(17==v){var w,d;if(0==(0|w))break;0!=(0|d)&&va(d);var S=w+8|0;break
r}while(0);var M=Jr(a);if(0==(0|M)){var S=0;break r}var C=0==(3&Se[i]|0)?8:4,R=n-
C|0,T=R>>>0<a>>>0?R:a;Pa(M,r,T,1),va(r);var S=M;break r}while(0);throw Ka(),\\"Reached an
unreachable!\\"}var O=Je();Se[O>>2]=12;var S=0}while(0);var S;return S}function ba(){if(0==(0|Se[ti>>2])){var
r=qa(8);if(0!=(r-1&r|0))throw Ka(),\\"Reached an unreachable!\\";Se[ti+8>>2]=r,Se[ti+4>>2]=r,Se[ti+12>>2]=
-1,Se[ti+16>>2]=2097152,Se[ti+20>>2]=0,Se[vi+440>>2]=0;var a=$a(0);Se[ti>>2]=a&-16^1431655768}}function
ka(r,a){var e=Se[r+4>>2]&-8,i=a>>>0<256;do if(i)var v=0;else{if(e>>>0>=(a+4|0)>>>0&&(e-
a|0)>>>0<=Se[ti+8>>2]<<1>>>0){var v=r;break}var v=0}while(0);var v;return v}function ua(r){for(var
a,e=vi+444|0,a=e>>2;){var e,i=Me[a];if(i>>>0<r>>>0&&(i+Se[a+1]|0)>>>0>r>>>0){var v=e;break}var
t=Me[a+2];if(0==(0|t)){var v=0;break}var e=t,a=e>>2}var v;return v}function ca(r,a){var
e=r,i=r+8|0;if(0==(7&i|0))var v=0;else var v=7&-i;var v,t=a-
v|0;Se[vi+24>>2]=e+v|0,Se[vi+12>>2]=t,Se[v+(e+4)>>2]=1|t,Se[a+(e+4)>>2]=40;var
f=Se[ti+16>>2];Se[vi+28>>2]=f}function ha(){for(var r=0;){var
r,a=r<<1,e=(a<<2)+vi+40|0;Se[vi+(a+3<<2)+40>>2]=e,Se[vi+(a+2<<2)+40>>2]=e;var
i=r+1|0;if(32==(0|i))break;var r=i}}function da(r,a,e){var i,v,t,f,_=a>>2,s=r>>2,n=r+8|0;if(0==(7&n|0))var o=0;else
var o=7&-n;var o,l=a+8|0;if(0==(7&l|0))var b=0,t=b>>2;else var b=7&-1,t=b>>2;var
b,k=a+b|0,u=k,c=o+e|0,v=c>>2,h=r+c|0,d=h,w=k-(r+o)-e|0;Se[(o+4>>2)+s]=3|e;var
p=(0|u)==(0|Se[vi+24>>2]);r:do if(p){var E=Se[vi+12>>2]+w|0;Se[vi+12>>2]=E,Se[vi+24>>2]=d;var
A=1|E;Se[v+(s+1)]=A}else if((0|u)==(0|Se[vi+20>>2])){var
g=Se[vi+8>>2]+w|0;Se[vi+8>>2]=g,Se[vi+20>>2]=d;var y=1|g;Se[v+(s+1)]=y;var
m=r+g+c|0;Se[m>>2]=g}else{var S=Me[t+(_+1)];if(1==(3&S|0)){var M=S&-8,C=S>>>3,R=S>>>0<256;a:do
if(R){var T=Me[((8|b)>>2)+_],O=Me[t+(_+3)];if((0|T)!=0(0|O)){var
N=((S>>>2&1073741822)<<2)+vi+40|0,I=(0|T)==(0|N);do{if(!I){if(T>>>0<Me[vi+16>>2]>>>0){f=18;break}f=1
5;break}f=15}while(0);do
if(15==f){if((0|O)!=0(0|N)&&O>>>0<Me[vi+16>>2]>>>0)break;Se[T+12>>2]=O,Se[O+8>>2]=T;break
a}while(0);throw Ka(),\\"Reached an unreachable!\\"}var P=Se[vi>>2]&(1<<C^1);Se[vi>>2]=P}else{var
D=k,L=Me[((24|b)>>2)+_],F=Me[t+(_+3)],X=(0|F)==(0|D);do if(X){var
j=16|b,U=j+(a+4)|0,x=Se[U>>2];if(0==(0|x)){var z=a+j|0,V=Se[z>>2];if(0==(0|V)){var B=0,i=B>>2;break}var
H=z,K=V}else{var H=U,K=x;f=25}for(;;){var K,H,Y=K+20|0,G=Se[Y>>2];if(0==(0|G)){var
W=K+16|0,Z=Me[W>>2];if(0==(0|Z))break;var H=W,K=Z}else var

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H=Y,K=G}if(H>>>0<Me[vi+16>>>2]>>>0)throw Ka(),\\\\"Reached an unreachable!\\\\";Se[H>>>2]=0;var
B=K,i=B>>>2}else{var Q=Me[(((8|b)>>>2)+_);if(Q>>>0<Me[vi+16>>>2]>>>0)throw Ka(),\\\\"Reached an
unreachable!\\\\";Se[Q+12>>>2]=F,Se[F+8>>>2]=Q;var B=F,i=B>>>2}while(0);var B;if(0==(0|L))break;var
q=b+(a+28)|0,$=(Se[q>>>2]<<<2)+vi+304|0,J=(0|D)==(0|Se[$>>>2]);do{if(J){if(Se[$>>>2]=B,0!=(0|B))break;var
rr=Se[vi+4>>>2]&(1<<Se[q>>>2]^1);Se[vi+4>>>2]=rr;break a}if(L>>>0<Me[vi+16>>>2]>>>0)throw
Ka(),\\\\"Reached an unreachable!\\\\";var
ar=L+16|0;if((0|Se[ar>>>2])==(0|D)?Se[ar>>>2]=B:Se[L+20>>>2]=B,0==(0|B))break
a}while(0);if(B>>>0<Me[vi+16>>>2]>>>0)throw Ka(),\\\\"Reached an unreachable!\\\\";Se[i+6]=L;var
er=16|b,ir=Me[(er>>>2)+_];if(0!=(0|ir)){if(ir>>>0<Me[vi+16>>>2]>>>0)throw Ka(),\\\\"Reached an
unreachable!\\\\";Se[i+4]=ir,Se[ir+24>>>2]=B}var
vr=Me[(er+4>>>2)+_];if(0==(0|vr))break;if(vr>>>0<Me[vi+16>>>2]>>>0)throw Ka(),\\\\"Reached an
unreachable!\\\\";Se[i+5]=vr,Se[vr+24>>>2]=B}while(0);var tr=a+(M|b)|0,fr=M+w|0}else var tr=u,fr=w;var
fr,tr,_r=tr+4|0,sr=Se[_r>>>2]&-2;if(Se[_r>>>2]=sr,Se[v+(s+1)]=1|fr,Se[(fr>>>2)+s+v]=fr,fr>>>0<256){var
nr=fr>>>2&1073741822,or=(nr<<<2)+vi+40|0,lr=Me[vi>>>2],br=1<<<(fr>>>3),kr=0==(lr&br|0);do{if(!kr){var
ur=(nr+2<<<2)+vi+40|0,cr=Me[ur>>>2];if(cr>>>0>=Me[vi+16>>>2]>>>0){var hr=cr,dr=ur;break}throw
Ka(),\\\\"Reached an unreachable!\\\\"}Se[vi>>>2]=lr|br;var hr=or,dr=(nr+2<<<2)+vi+40|0}while(0);var
dr,hr;Se[dr>>>2]=d,Se[hr+12>>>2]=d,Se[v+(s+2)]=hr,Se[v+(s+3)]=or}else{var wr=h,pr=fr>>>8,Er=0==(0|pr);do
if(Er)var Ar=0;else{if(fr>>>0>16777215){var Ar=31;break}var
gr=(pr+1048320|0)>>>16&8,yr=pr<<<gr,mr=(yr+520192|0)>>>16&4,Sr=yr<<<mr,Mr=(Sr+245760|0)>>>16&2,Cr=1
4-(mr|gr|Mr)+(Sr<<<Mr>>>15)|0,Ar=fr>>>((Cr+7|0)>>>0)&1|Cr<<<1}while(0);var
Ar,Rr=(Ar<<<2)+vi+304|0;Se[v+(s+7)]=Ar;var Tr=c+(r+16)|0;Se[v+(s+5)]=0,Se[Tr>>>2]=0;var
Or=Se[vi+4>>>2],Nr=1<<<Ar;if(0==(Or&Nr|0)){var
Ir=Or|Nr;Se[vi+4>>>2]=Ir,Se[Rr>>>2]=wr,Se[v+(s+6)]=Rr,Se[v+(s+3)]=wr,Se[v+(s+2)]=wr}else{if(31==(0|Ar))var
Pr=0;else var Pr=25-(Ar>>>1)|0;for(var Pr,Dr=fr<<<Pr,Lr=Se[Rr>>>2];){var Lr,Dr;if((Se[Lr+4>>>2]&-
8|0)==(0|fr)){var Fr=Lr+8|0,Xr=Me[Fr>>>2],jr=Me[vi+16>>>2],Ur=Lr>>>0<jr>>>0;do
if(!Ur){if(Xr>>>0<jr>>>0)break;Se[Xr+12>>>2]=wr,Se[Fr>>>2]=wr,Se[v+(s+2)]=Xr,Se[v+(s+3)]=Lr,Se[v+(s+6)]=0
;break r}while(0);throw Ka(),\\\\"Reached an unreachable!\\\\"}var
xr=(Dr>>>31<<<2)+Lr+16|0,zr=Me[xr>>>2];if(0==(0|zr)){if(xr>>>0>=Me[vi+16>>>2]>>>0){Se[xr>>>2]=wr,Se[v+(s
+6)]=Lr,Se[v+(s+3)]=wr,Se[v+(s+2)]=wr;break r}throw Ka(),\\\\"Reached an unreachable!\\\\"}var
Dr=Dr<<<1,Lr=zr}}}}while(0);return r+(8|o)|0}function wa(r){return 0|He.__str3342}function pa(r){return
0|He.__str14343}function Ea(r){Se[r>>>2]=si+8|0}function Aa(r){0!=(0|r)&&va(r)}function ga(r){ya(r);var
a=r;Aa(a)}function ya(r){var a=0|r;Ye(a)}function ma(r){var a=0|r;Ea(a),Se[r>>>2]=ni+8|0}function Sa(r){var
a=0|r;ya(a);var e=r;Aa(e)}function Ma(r,a){var
e,i,v=Me[vi+24>>>2],i=v>>>2,t=v,f=ua(t),_=Se[f>>>2],s=Se[f+4>>>2],n=_+s|0,o=_+(s-39)|0;if(0==(7&o|0))var
l=0;else var l=7&-o;var l,b=_+(s-47)+l|0,k=b>>>0<(v+16|0)>>>0?t:b,u=k+8|0,e=u>>>2,c=u,h=r,d=a-40|0;ca(h,d);var
w=k+4|0;Se[w>>>2]=27,Se[e]=Se[vi+444>>>2],Se[e+1]=Se[vi+448>>>2],Se[e+2]=Se[vi+452>>>2],Se[e+3]=Se[vi+45
6>>>2],Se[vi+444>>>2]=r,Se[vi+448>>>2]=a,Se[vi+456>>>2]=0,Se[vi+452>>>2]=c;var p=k+28|0;Se[p>>>2]=7;var
E=(k+32|0)>>>0<n>>>0;r:do if(E)for(var A=p;);{var A,g=A+4|0;if(Se[g>>>2]=7,(A+8|0)>>>0>=n>>>0)break r;var
A=g}while(0);var y=(0|k)==(0|t);r:do if(!y){var m=k-v|0,S=t+m|0,M=m+(t+4)|0,C=Se[M>>>2]&-2;Se[M>>>2]=C;var
R=1|m;Se[i+1]=R;var T=S;if(Se[T>>>2]=m,m>>>0<256){var
O=m>>>2&1073741822,N=(O<<<2)+vi+40|0,I=Me[vi>>>2],P=1<<<(m>>>3),D=0==(I&P|0);do{if(!D){var
L=(O+2<<<2)+vi+40|0,F=Me[L>>>2];if(F>>>0>=Me[vi+16>>>2]>>>0){var X=F,j=L;break}throw Ka(),\\\\"Reached
an unreachable!\\\\"}var U=I|P;Se[vi>>>2]=U;var X=N,j=(O+2<<<2)+vi+40|0}while(0);var
j,X;Se[j>>>2]=v,Se[X+12>>>2]=v,Se[i+2]=X,Se[i+3]=N}else{var x=v,z=m>>>8,V=0==(0|z);do if(V)var
B=0;else{if(m>>>0>16777215){var B=31;break}var
H=(z+1048320|0)>>>16&8,K=z<<<H,Y=(K+520192|0)>>>16&4,G=K<<<Y,W=(G+245760|0)>>>16&2,Z=14-
(Y|H|W)+(G<<<W>>>15)|0,B=m>>>((Z+7|0)>>>0)&1|Z<<<1}while(0);var
B,Q=(B<<<2)+vi+304|0;Se[i+7]=B,Se[i+5]=0,Se[i+4]=0;var q=Se[vi+4>>>2],$=1<<<B;if(0==(q&$|0)){var

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J=q!$;Se[vi+4>>2]=J,Se[Q>>2]=x,Se[i+6]=Q,Se[i+3]=v,Se[i+2]=v}else{if(31==(0|B))var rr=0;else var rr=25-
(B>>>1)|0;for(var rr,ar=m<<rr,er=Se[Q>>2];;){var er,ar;if((Se[er+4>>2]&&-8|0)==(0|m)){var
ir=er+8|0,vr=Me[ir>>2],tr=Me[vi+16>>2],fr=er>>>0<tr>>>0;do
if(!fr){if(vr>>>0<tr>>>0)break;Se[vr+12>>2]=x,Se[ir>>2]=x,Se[i+2]=vr,Se[i+3]=er,Se[i+6]=0;break
r}while(0);throw Ka(),\\\\"Reached an unreachable!\\\\"}var
_r=(ar>>>31<<2)+er+16|0,sr=Me[_r>>2];if(0==(0|sr)){if(_r>>>0>=Me[vi+16>>2]>>>0){Se[_r>>2]=x,Se[i+6]=er,
Se[i+3]=v,Se[i+2]=v;break r}throw Ka(),\\\\"Reached an unreachable!\\\\"}var ar=ar<<1,er=sr}}while(0)}function
Ca(r){return d(r)}function Ra(r,a){var e=0;do Ae[r+e]=Ae[a+e],e++;while(0!=Ae[a+e-1]);return r}function
Ta(){var r=Ta;return
r.LLVM_SAVEDSTACKS|(r.LLVM_SAVEDSTACKS=[]),r.LLVM_SAVEDSTACKS.push(le.stackSave()),r.LL
VM_SAVEDSTACKS.length-1}function Oa(r){var
a=Ta,e=a.LLVM_SAVEDSTACKS[r];a.LLVM_SAVEDSTACKS.splice(r,1),le.stackRestore(e)}function
Na(r,a,e){for(var i=0;i<e;){var v=Ae[r+i],t=Ae[a+i];if(v==t&&0==v)return 0;if(0==v)return-1;if(0==t)return
1;if(v!=t)return v>t?1:-1;i++}return 0}function Ia(r,a){var e=Ca(r),i=0;do Ae[r+e+i]=Ae[a+i],i++;while(0!=Ae[a+i-
1]);return r}function Pa(r,a,e,i){if(e>=20&&a%2==r%2)if(a%4==r%4){for(var
v=a+e;a%4;)Ae[r++]=Ae[a++];for(var
t=a>>2,f=r>>2,_=v>>2;t<_;)Se[f++]=Se[t++];for(a=t<<2,r=f<<2;a<v;)Ae[r++]=Ae[a++]}else{var
v=a+e;a%2&&(Ae[r++]=Ae[a++]);for(var
s=a>>1,n=r>>1,o=v>>1;s<o;)ye[n++]=ye[s++];a=s<<1,r=n<<1,a<v&&(Ae[r++]=Ae[a++])}else for(;e--
;)Ae[r++]=Ae[a++]}function Da(r,a){return Na(r,a,le)}function La(r,a,e){for(var i=0;i<e;i++){var
v=Ae[r+i],t=Ae[a+i];if(v!=t)return v>t?1:-1}return 0}function Fa(r,a,e,i){if(e>=20){for(var
v=r+e;r%4;)Ae[r++]=a;a<0&&(a+=256);for(var
t=r>>2,f=v>>2,_=a|a<<8|a<<16|a<<24;t<f;)Se[t++]=_;for(r=t<<2;r<v;)Ae[r++]=a}else for(;e--
;)Ae[r++]=a}function Xa(r,a,e,i){throw\\\\"Assertion failed: \\\\"+s(i)+\\\\" , at: \\\\"+[s(r),a,s(e)]function ja(r){var
a=d(r),e=Jr(a+1);return Pa(e,r,a,1),Ae[e+a]=0,e}function Ua(r,a){function e(r){var
e;return\\\\"double\\\\"===r?(xe[0]=Se[a+_>>2],xe[1]=Se[a+_+4>>2],e=ze[0]):\\\\"i64\\\\"===r?e=[Se[a+_>>2],Se[a+_+
4>>2]]:(r=\\\\"i32\\\\" ,e=Se[a+_>>2]),_+=le.getNativeFieldSize(r),e}for(var i,v,t,f=r,_=0,s=[];){var
n=f;if(i=Ae[f],0===i)break;if(v=Ae[f+1],i===\\\\"%\\\\".charCodeAt(0)){var
o=!1,l=!1,b=!1,k=!1;r:for(;){switch(v){case\\\\"+\\\\".charCodeAt(0):o=!0;break;case\\\\"-
\\\\".charCodeAt(0):l=!0;break;case\\\\"#\\\\".charCodeAt(0):b=!0;break;case\\\\"0\\\\".charCodeAt(0):if(k)break
r;k=!0;break;default:break r}f++,v=Ae[f+1]}var
u=0;if(v===\\\\"*\\\\".charCodeAt(0))u=e(\\\\"i32\\\\"),f++,v=Ae[f+1];else
for(;v>=\\\\"0\\\\".charCodeAt(0)&&v<=\\\\"9\\\\".charCodeAt(0);)u=10*u+(v-
\\\\"0\\\\".charCodeAt(0)),f++,v=Ae[f+1];var c=1;if(v===\\\\".\\\\".charCodeAt(0)){var
h=0;if(c=!0,f++,v=Ae[f+1],v===\\\\"*\\\\".charCodeAt(0))h=e(\\\\"i32\\\\"),f++;else for(;){var
d=Ae[f+1];if(d<\\\\"0\\\\".charCodeAt(0)|d>\\\\"9\\\\".charCodeAt(0))break;h=10*h+(d-
\\\\"0\\\\".charCodeAt(0)),f++}v=Ae[f+1]}else var h=6;var E;switch(String.fromCharCode(v)){case\\\\"h\\\\" :var
A=Ae[f+2];A===\\\\"h\\\\".charCodeAt(0)?(f++,E=1):E=2;break;case\\\\"I\\\\" :var
A=Ae[f+2];A===\\\\"I\\\\".charCodeAt(0)?(f++,E=8):E=4;break;case\\\\"L\\\\" :case\\\\"q\\\\" :case\\\\"j\\\\" :E=8;break;case\\\\"
z\\\\" :case\\\\"t\\\\" :case\\\\"T\\\\" :E=4;break;default:E=null}if(E&&f++,v=Ae[f+1],[\\\\"d\\\\" ,\\\\"i\\\\" ,\\\\"u\\\\" ,\\\\"o\\\\" ,\\\\"
x\\\\" ,\\\\"X\\\\" ,\\\\"p\\\\" ].indexOf(String.fromCharCode(v))!=-1){var
m=v===\\\\"d\\\\".charCodeAt(0)||v===\\\\"i\\\\".charCodeAt(0);E=E|4;var
t=e(\\\\"i\\\\"+8*E);if(8==E&&(t=le.makeBigInt(t[0],t[1],v===\\\\"u\\\\".charCodeAt(0))),E<=4){var
S=Math.pow(256,E)-1;t=(m?y:g)(t&S,8*E)}var
M,C=Math.abs(t),R=\\\\"\\\\";if(v===\\\\"d\\\\".charCodeAt(0)||v===\\\\"i\\\\".charCodeAt(0))M=y(t,8*E,1).toString(10);els
e if(v===\\\\"u\\\\".charCodeAt(0))M=g(t,8*E,1).toString(10),t=Math.abs(t);else
if(v===\\\\"o\\\\".charCodeAt(0))M=(b?\\\\"0\\\\" :\\\\"\\\\")+C.toString(8);else
if(v===\\\\"x\\\\".charCodeAt(0)||v===\\\\"X\\\\".charCodeAt(0)){if(R=b?\\\\"0x\\\\" :\\\\"\\\\" ,t<0){t=-t,M=(C-

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1).toString(16);for(var T=[],O=0;O<M.length;O++)T.push((15-
parseInt(M[O],16)).toString(16));for(M=T.join("\\\\");M.length<2*E;)M=\\ "f\\"+M}else
M=C.toString(16);v=\\ "X\\".charCodeAt(0)&&(R=R.toUpperCase(),M=M.toUpperCase())}else
v=\\ "p\\".charCodeAt(0)&&(0===C?M=\\ "(ni)\\ "::(R=\\ "0x\\" ,M=C.toString(16));if(c)for(;M.length<h;)M=\\
"0\\"+M;for(o&&(R=t<0?\\ "-\\"+R:\\ "+\\"+R);R.length+M.length<u;)I?M+=\\ " \\ ":k?M=\\ "0\\"+M:R=\\
\\"+R;M=R+M,M.split("\\\\").forEach(function(r){s.push(r.charCodeAt(0))})}else
if(I\\ "f\\" ,\\ "F\\" ,\\ "e\\" ,\\ "E\\" ,\\ "g\\" ,\\ "G\\" ].indexOf(String.fromCharCode(v))!=-1){var
M,t=e(\\ "double\\ ");if(isNaN(t))M=\\ "nan\\" ,k=!1;else if(isFinite(t)){var
N=!1,I=Math.min(h,20);if(v=\\ "g\\" .charCodeAt(0)||v=\\ "G\\" .charCodeAt(0)){N=!0,h=h|1;var
P=parseInt(t.toExponential(I).split("\\\\ "e\\ ")[1],10);h>P&&P>=-
4?(v=(v=\\ "g\\" .charCodeAt(0)?\\ "f\\" :\\ "F\\" ).charCodeAt(0),h-
=P+1):(v=(v=\\ "g\\" .charCodeAt(0)?\\ "e\\" :\\ "E\\" ).charCodeAt(0),h-
),I=Math.min(h,20)}v=\\ "e\\" .charCodeAt(0)||v=\\ "E\\" .charCodeAt(0)?(M=t.toExponential(I)/[eE][-
+])\\ "d$/ .test(M)&&(M=M.slice(0,-1)+\\ "0\\"+M.slice(-
1));v!=\\ "f\\" .charCodeAt(0)&&v!=\\ "F\\" .charCodeAt(0)|(M=t.toFixed(I));var
D=M.split("\\\\ "e\\ ");if(N&&!b)for(;D[0].length>1&&D[0].indexOf("\\\\ ".\\ ")!=-1&&(\\ "0\\" ==D[0].slice(-
1)||\\ ".\\ " ==D[0].slice(-1));D[0]=D[0].slice(0,-1);else for(b&&M.indexOf("\\\\ ".\\ ")===-
1&&(D[0]+=\\ ".\\ ");h>I++;D[0]+=\\ "0\\" ;M=D[0]+(D.length>1?\\ "e\\" +D[1]:\\ " \\ ") ,v=\\ "E\\" .charCodeAt(0
)&&(M=M.toUpperCase()),o&&t>=0&&(M=\\ "+\\"+M)}else M=(t<0?\\ "-
\\ ":\\ " \\ ") +\\ "inf\\" ,k=!1;for(;M.length<u;)I?M+=\\ " \\ ":M=1k/\\ "-\\ "!M[0]&&\\ "+\\ "!M[0]?(k?\\ "0\\" :\\ "
\\ ") +M:M[0]+\\ "0\\" +M.slice(1);v<\\ "a\\" .charCodeAt(0)&&(M=M.toUpperCase()),M.split("\\\\ ").forEach(func
tion(r){s.push(r.charCodeAt(0))})}else if(v=\\ "s\\" .charCodeAt(0)){var
L,F=e(\\ "i8*\\ ");if(F?(L=w(F),c&&L.length>h&&(L=L.slice(0,h)):L=p(\\ "(null)\\ ",!0,!1)for(;L.length<u-
);s.push(\\ " \\ ".charCodeAt(0));if(s=s.concat(L),I)for(;L.length<u--);s.push(\\ " \\ ".charCodeAt(0))}else
if(v=\\ "c\\" .charCodeAt(0)){for(l&&s.push(e(\\ "i8\\ "));--u>0;s.push(\\ "
\\ ".charCodeAt(0));l}s.push(e(\\ "i8\\ "));}else if(v=\\ "n\\" .charCodeAt(0)){var
X=e(\\ "i32*\\ ");Se[X>>2]=s.length}else if(v=\\ "%\\" .charCodeAt(0))s.push(i);else for(var
O=n;O<f+2;O++)s.push(Ae[O]);f+=2}else s.push(i),f+=1}return s}function xa(r,a,e,i){for(var v=Ua(e,i),t=void
0===a?v.length:Math.min(v.length,a-1),f=0;f<t;f++)Ae[r+f]=v[f];return Ae[r+f]=0,v.length}function
za(r,a,e){return xa(r,void 0,a,e)}function Va(r){return r in {32:0,9:0,10:0,11:0,12:0,13:0}}function Ba(r){return
r>=\\ "0\\" .charCodeAt(0)&&r<=\\ "9\\" .charCodeAt(0)}function Ha(r){for(var
a;(a=Ae[r])&&Va(a);r++;if(!a||Ba(a))return 0;for(var e=r;(a=Ae[e])&&Ba(a);e++;return
Math.floor(Number(s(r).substr(0,e-r)))}function Ka(r){throw ke=!0,\\ "ABORT: \\ "+r+\\ ", at \\ "+(new
Error).stack}function Ya(r){return Ya.ret||(Ya.ret=_([0,\\ "i32\\ "],we)),Se[Ya.ret>>2]=r,r}function Ga(r,a,e,i){var
v=$e.streams[r];if(!v||v.object.isDevice)return Ya(Ge.EBADF),-1;if(v.isWrite){if(v.object.isFolder)return
Ya(Ge.EISDIR),-1;if(e<0||i<0)return Ya(Ge.EINVAL),-1;for(var t=v.object.contents;t.length<i;t.push(0);for(var
f=0;f<e;f++)t[i+f]=ge[a+f];return v.object.timestamp=Date.now(),f}return Ya(Ge.EACCES),-1}function
Wa(r,a,e){var i=$e.streams[r];if(i){if(i.isWrite){if(e<0)return Ya(Ge.EINVAL),-
1;if(i.object.isDevice){if(i.object.output){for(var v=0;v<e;v++)try{i.object.output(Ae[a+v])}catch(r){return
Ya(Ge.EIO),-1}return i.object.timestamp=Date.now(),v}return Ya(Ge.ENXIO),-1}var t=Ga(r,a,e,i.position);return
t!=-1&&(i.position+=t),t}return Ya(Ge.EACCES),-1}return Ya(Ge.EBADF),-1}function Za(r,a,e,i){var
v=e*a;if(0===v)return 0;var t=Wa(i,r,v);return t===-1?(Se.streams[i]&&($e.streams[i].error=10),-
1):Math.floor(t/a)}function Qa(r,a,e){var i=Ua(a,e),v=le.stackSave(),t=Za(_(i,\\ "i8\\ "],de),1,i.length,r);return
le.stackRestore(v),t}function qa(r){switch(r){case 8:return Pe;case 54:case 56:case 21:case 61:case 63:case 22:case
67:case 23:case 24:case 25:case 26:case 27:case 69:case 28:case 101:case 70:case 71:case 29:case 30:case 199:case
75:case 76:case 32:case 43:case 44:case 80:case 46:case 47:case 45:case 48:case 49:case 42:case 82:case 33:case
7:case 108:case 109:case 107:case 112:case 119:case 121:return 200809;case 13:case 104:case 94:case 95:case
34:case 35:case 77:case 81:case 83:case 84:case 85:case 86:case 87:case 88:case 89:case 90:case 91:case 94:case

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95:case 110:case 111:case 113:case 114:case 115:case 116:case 117:case 118:case 120:case 40:case 16:case 79:case
19:return-1;case 92:case 93:case 5:case 72:case 6:case 74:case 92:case 93:case 96:case 97:case 98:case 99:case
102:case 103:case 105:return 1;case 38:case 66:case 50:case 51:case 4:return 1024;case 15:case 64:case 41:return
32;case 55:case 37:case 17:return 2147483647;case 18:case 1:return 47839;case 59:case 57:return 99;case 68:case
58:return 2048;case 0:return 2097152;case 3:return 65536;case 14:return 32768;case 73:return 32767;case 39:return
16384;case 60:return 1e3;case 106:return 700;case 52:return 256;case 62:return 255;case 2:return 100;case 65:return
64;case 36:return 20;case 100:return 16;case 20:return 6;case 53:return 4}return Ya(Ge.EINVAL),-1}function
$a(r){var a=Math.floor(Date.now()/1e3);return r&&(Se[r>>2]=a),a}function Ja(){return Ya.ret}function re(r){var
a=re;a.called||(Ie=o(Ie),a.called=!0);var e=Ie;return 0!=r&&le.staticAlloc(r),e}function ae(){return
Se[ae.buf>>2]}function ee(r){r=r||Module.arguments,k();var a=null;return
Module._main&&(a=Module.callMain(r),Module.noExitRuntime|u()),a}var ie=[],ve=false,te=||"object"===typeof
window,fe=||"function"===typeof
importScripts,_e=!te&&!ve&&!fe;if(ve){print=function(r){process.stdout.write(r+||"|||||n|||")},printErr=function
(r){process.stderr.write(r+||"|||||n|||");var se=require(||"fs|||");read=function(r){var
a=se.readFileSync(r).toString();return a||"^\\"==r[0]||(r=__dirname.split(||"^\\"").slice(0,-
1).join(||"^\\"")+||"src\\"+r,a=se.readFileSync(r).toString(),a},load=function(a){r(read(a)),ie=process.argv.slice(
2)}else if(_e)this.read||(this.read=function(r){snarf(r)}),||"undefined"!==typeof
scriptArgs?ie=scriptArgs:||"undefined"!==typeof arguments&&(ie=arguments);else
if(te)this.print=printErr=function(r){console.log(r)},this.read=function(r){var a=new XMLHttpRequest;return
a.open(||"GET\\"",r,!1),a.send(null),a.responseText},this.arguments&&(ie=arguments);else{if(!fe)throw||"Unknow
n runtime environment. Where are we?";this.load=importScripts}||"undefined"===typeof
load&&||"undefined"!==typeof read&&(this.load=function(a){r(read(a))},||"undefined"===typeof
printErr&&(this.printErr=function(){}),||"undefined"===typeof
print&&(this.print=printErr);try{this.Module=Module}catch(r){this.Module=Module={}}Module.arguments||(Mod
ule.arguments=ie),Module.print&&(print=Module.print);var ne,oe,le={stackSave:function(){return
Oe},stackRestore:function(r){Oe=r},forceAlign:function(r,a){if(a=a|4,1==a)return
r;if(isNumber(r)&&isNumber(a))return Math.ceil(r/a)*a;if(isNumber(a)&&isPowerOfTwo(a)){var
e=log2(a);return||"(((||"+r+||")+||"+(a-
1)+||")>>||"+e+||")<<||"+e+||")||"}return||"Math.ceil(||"+r+||")/||"+a+||")*||"+a},isNumberType:function(r
){return r in le.INT_TYPES|r in le.FLOAT_TYPES},isPointerType:function(r){return||"*"==r[r.length-
1]},isStructType:function(r){return!isPointerType(r)&&(!!/^|||||d+|||||x|||||(.*)|||||/\.test(r)||(!/?{
[^}]*
}>?/\.test(r)||||"%"==r[0])),INT_TYPES:{i1:0,i8:0,i16:0,i32:0,i64:0},FLOAT_TYPES:{float:0,double:0},bitshift
64:function(r,e,i,v){var t=Math.pow(2,v)-1;if(v<32)switch(i){case||"shl||":return[r<<v,e<<v|(r&t<<32-v)>>>32-
v];case||"ashr||":return[(r>>>v|(e&t)<<32-v)>>>0,e>>>v>>>0];case||"lshr||":return[(r>>>v|(e&t)<<32-
v)>>>0,e>>>v]}else
if(32==v)switch(i){case||"shl||":return[0,r];case||"ashr||":return[e,(0|e)<0?t:0];case||"lshr||":return[e,0]}else
switch(i){case||"shl||":return[0,r<<v-32];case||"ashr||":return[e>>v-
32>>>0,(0|e)<0?t:0];case||"lshr||":return[e>>>v-32,0]}a(||"unknown bitshift64 op:
||"+[value,i,v]),or64:function(r,a){var
e=0|r|(0|a),i=4294967296*(Math.round(r/4294967296)|Math.round(a/4294967296));return
e+i},and64:function(r,a){var
e=(0|r)&(0|a),i=4294967296*(Math.round(r/4294967296)&Math.round(a/4294967296));return
e+i},xor64:function(r,a){var
e=(0|r)^(0|a),i=4294967296*(Math.round(r/4294967296)^Math.round(a/4294967296));return
e+i},getNativeTypeSize:function(r,a){if(1==le.QUANTUM_SIZE)return 1;var
i={||"%i1||":1,||"%i8||":1,||"%i16||":2,||"%i32||":4,||"%i64||":8,||"%float||":4,||"%double||":8}[||"%||"+r]
;if(!i)if(||"*"==r[r.length-1])i=le.QUANTUM_SIZE;else if(||"i"==r[0]){var

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v=parseInt(r.substr(1));e(v%8===0),i=v/8}return i},getNativeFieldSize:function(r){return
Math.max(le.getNativeTypeSize(r),le.QUANTUM_SIZE)},dedup:function(r,a){var e={};return
a?r.filter(function(r){return!e[r[a]]&&(e[r[a]]=!0,!0)}):r.filter(function(r){return!e[r]&&(e[r]=!0,!0)}),set:function(
){for(var r=\\\"object\\\"===typeof arguments[0]?arguments[0]:arguments,a={},e=0,e<r.length;e++)a[r[e]]=0;return
a},calculateStructAlignment:function(r){r.flatSize=0,r.alignSize=0;var a=[],e=-1;return
r.flatIndexes=r.fields.map(function(i){var
v,t;if(le.isNumberType(i)||le.isPointerType(i))v=le.getNativeTypeSize(i),t=v;else{if(!le.isStructType(i))throw\\\"Unclear type in struct: \\\"+i+\\\", in \\\"+r.name_+\\\" ::
\\\"+dump(Types.types[r.name_]);v=Types.types[i].flatSize,t=Types.types[i].alignSize}t=r.packed?1:Math.min(t,le.QUANTUM_SIZE),r.alignSize=Math.max(r.alignSize,t);var f=le.alignMemory(r.flatSize,t);return
r.flatSize=f+v,e>=0&&a.push(f-
e),e=f,f)},r.flatSize=le.alignMemory(r.flatSize,r.alignSize),0===a.length?r.flatFactor=r.flatSize:1===le.dedup(a).length&&(r.flatFactor=a[0]),r.needsFlattening=1!=r.flatFactor,r.flatIndexes},generateStructInfo:function(r,a,i){var
v,t;if(a){if(i=i||0,v=(\\\"undefined\\\"===typeof Types?le.typeInfo:Types.types)[a],!v)return
null;e(v.fields.length===r.length,\\\"Number of named fields must match the type for
\\\"+a),t=v.flatIndexes}else{var v={fields:r.map(function(r){return r[0]});t=le.calculateStructAlignment(v)}var
f={__size__:v.flatSize};return a?r.forEach(function(r,a){if(\\\"string\\\"===typeof r)f[r]=t[a]+i;else{var e;for(var _ in
r)e=_;f[e]=le.generateStructInfo(r[e],v.fields[a],t[a])}):r.forEach(function(r,a){f[r[1]]=t[a]}),f},stackAlloc:function
(r){var a=Oe;return Oe+=r,Oe=Oe+3>>2<<2,a},staticAlloc:function(r){var a=Ie;return
Ie+=r,Ie=Ie+3>>2<<2,Ie>=Le&&l(),a},alignMemory:function(r,a){var e=r=Math.ceil(r/(a?4))*4);return
e},makeBigInt:function(r,a,e){var i=e?(r>>>0)+4294967296*(a>>>0):(r>>>0)+4294967296*(0|a);return
i},QUANTUM_SIZE:4,__dummy__:0),be={MAX_ALLOWED:0,corrections:0,sigs:{},note:function(r,e,i){e||(this.
corrections++,this.corrections>=this.MAX_ALLOWED&&a(\\\"\\\\\\\\\\\\\\\\n\\\\\\\\\\\\\\\\nToo many
corrections!\\\\\\\\\\\\\\\\\\\"))},print:function(){},ke=!1,ue=0,ce=this;Module.ccall=i,Module.setValue=t,Module.getValue=f;va
r
he=0,de=1,we=2;Module.ALLOC_NORMAL=he,Module.ALLOC_STACK=de,Module.ALLOC_STATIC=we,Mo
dule.allocate=_ ,Module.Pointer_stringify=s,Module.Array_stringify=n;var
pe,Ee,Ae,ge,ye,me,Se,Me,Ce,Re,Te,Oe,Ne,Ie,Pe=4096,De=Module.TOTAL_STACK||5242880,Le=Module.TOTA
L_MEMORY||10485760;Module.FAST_MEMORY||2097152;e(!(Int32Array&&Float64Array&&new
Int32Array(1).subarray&&new Int32Array(1).set),\\\"Cannot fallback to non-typed array case: Code is too
specialized\\\" );var Fe=new ArrayBuffer(Le);Ae=new Int8Array(Fe),ye=new Int16Array(Fe),Se=new
Int32Array(Fe),ge=new Uint8Array(Fe),me=new Uint16Array(Fe),Me=new Uint32Array(Fe),Ce=new
Float32Array(Fe),Re=new Float64Array(Fe),Se[0]=255,e(255===ge[0]&&0===ge[3],\\\"Typed arrays 2 must be
run on a little-endian system\\\" );var Xe=p(\\\"(null)\\\" );Ie=Xe.length;for(var
je=0;je<Xe.length;je++)Ae[je]=Xe[je];Module.HEAP=Ee,Module.HEAP8=Ae,Module.HEAP16=ye,Module.HEAP
32=Se,Module.HEAPU8=ge,Module.HEAPU16=me,Module.HEAPU32=Me,Module.HEAPF32=Ce,Module.HEAP
F64=Re,Te=Oe=le.alignMemory(Ie),Ne=Te+De;var
Ue=le.alignMemory(Ne,8),xe=(Ae.subarray(Ue),Se.subarray(Ue>>2)),ze=(Ce.subarray(Ue>>2),Re.subarray(Ue>>3
));Ne=Ue+8,Ie=o(Ne);var
Ve=[],Be=[];Module.Array_copy=c,Module.TypedArray_copy=h,Module.String_len=d,Module.String_copy=w,Mo
dule.intArrayFromString=p,Module.intArrayToString=E,Module.writeStringToMemory=A;var
He=[],Ke=0;O.X=1,N.X=1,V.X=1,H.X=1,G.X=1,W.X=1,q.X=1,$.X=1,rr.X=1,ar.X=1,er.X=1,vr.X=1,nr.X=1,or.X=
1,kr.X=1,hr.X=1,Ar.X=1,Sr.X=1,Tr.X=1,Ir.X=1,Pr.X=1,Dr.X=1,Lr.X=1,Fr.X=1,Xr.X=1,zr.X=1,Vr.X=1,Br.X=1,Gr
.X=1,$r.X=1,Module._malloc=Jr,Jr.X=1,ra.X=1,aa.X=1,ea.X=1,ia.X=1,Module._free=va,va.X=1,_a.X=1,sa.X=1,na
.X=1,oa.X=1,la.X=1,da.X=1,Ma.X=1;var
Ye,Ge={E2BIG:7,EACCES:13,EADDRINUSE:98,EADDRNOTAVAIL:99,EAFNOSUPPORT:97,EAGAIN:11,E
ALREADY:114,EBADF:9,EBADMSG:74,EBUSY:16,ECANCELED:125,ECHILD:10,ECONNABORTED:103,E
CONNREFUSED:111,ECONNRESET:104,EDEADLK:35,EDESTADDRREQ:89,EDOM:33,EDQUOT:122,EEXI

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ST:17,EFAULT:14,EFBIG:27,EHOSTUNREACH:113,EIDRM:43,EILSEQ:84,EINPROGRESS:115,EINTR:4,EIN
VAL:22,EIO:5,EISCONN:106,EISDIR:21,ELOOP:40,EMFILE:24,EMLINK:31,EMSGSIZE:90,EMULTIHOP:72,
ENAMETOOLONG:36,ENETDOWN:100,ENETRESET:102,ENETUNREACH:101,ENFILE:23,ENOBUFS:105,
ENODATA:61,ENODEV:19,ENOENT:2,ENOEXEC:8,ENOLCK:37,ENOLINK:67,ENOMEM:12,ENOMSG:42,E
NOPROTOOPT:92,ENOSPC:28,ENOSR:63,ENOSTR:60,ENOSYS:38,ENOTCONN:107,ENOTDIR:20,ENOTEM
PTY:39,ENOTRECOVERABLE:131,ENOTSOCK:88,ENOTSUP:95,ENOTTY:25,ENXIO:6,E_OVERFLOW:75,E
OWNERDEAD:130,EPERM:1,EPIPE:32,EPROTO:71,EPROTONOSUPPORT:93,EPROTOTYPE:91,ERANGE:3
4,EROFS:30,ESPIPE:29,ESRCH:3,ESTALE:116,ETIME:62,ETIMEDOUT:110,ETXTBSY:26,EWOULDBLOCK:
11,EXDEV:18},We=0,Ze=0,Qe=0,qe=0,$e={currentPath:("\\\\",nextInode:2,streams:[null],ignorePermissions:!0,a
bsolutePath:function(r,a){if(\\string\\!==typeof r)return null;void
0===a&&(a=$e.currentPath),r&&\\===r[0]&&(a=\\);for(var
e=a+\\+r,i=e.split(\\).reverse(),v=[\\];i.length;){var
t=i.pop();\\===t||\\.===t||\\.\\.===t||v.length>1&&v.pop():v.push(t)}return
1===v.length?\\:v.join(\\),analyzePath:function(r,a,e){var
i={isRoot:!1,exists:!1,error:0,name:null,path:null,object:null,parentExists:!1,parentPath:null,parentObject:null};if(r=
=$e.absolutePath(r),\\===r)i.isRoot=!0,i.exists=i.parentExists=!0,i.name=\\,i.path=i.parentPath=\\,i.obj
ect=i.parentObject=$e.root;else if(null!==(e=e||0,r=r.slice(1).split(\\));for(var
v=$e.root,t=[\\];r.length;){1===r.length&&v.isFolder&&(i.parentExists=!0,i.parentPath=1===t.length?\\:t.jo
in(\\),i.parentObject=v,i.name=r[0]);var
f=r.shift();if(!v.isFolder){i.error=Ge.ENOTDIR;break}if(!v.read){i.error=Ge.EACCES;break}if(!v.contents.hasOw
nProperty(f)){i.error=Ge.ENOENT;break}if(v=v.contents[f],v.link&&(!a||0!==(r.length))){if(e>40){i.error=Ge.ELOO
P;break}var _=$e.absolutePath(v.link,t.join(\\));return
$.analyzePath(\\.concat(r).join(\\),a,e+1)}t.push(f),0===r.length&&(i.exists=!0,i.path=t.join(\\),i.object=
v)}return i}return i},findObject:function(r,a){$.ensureRoot();var e=$e.analyzePath(r,a);return
e.exists?e.object:(Ya(e.error,null),createObject:function(r,a,e,i,v){if(r||(r=\\),\\string\\!==typeof
r&&(r=$e.findObject(r)),!r)throw Ya(Ge.EACCES),new Error(\\Parent path must exist.\\);if(!r.isFolder)throw
Ya(Ge.ENOTDIR),\\new Error(\\Parent must be a folder.\\);if(!r.write&&!$.ignorePermissions)throw
Ya(Ge.EACCES),new Error(\\Parent folder must be writeable.\\);if(!a||\\.\\.===a)throw
Ya(Ge.ENOENT),new Error(\\Name must not be empty.\\);if(r.contents.hasOwnProperty(a))throw
Ya(Ge.EEXIST),new Error(\\Can\\t overwrite object.\\);r.contents[a]={read:void 0===i|write:void
0!=v&&v.timestamp>Date.now(),inodeNumber:$.nextInode++};for(var t in
e)e.hasOwnProperty(t)&&(r.contents[a][t]=e[t]);return r.contents[a]},createFolder:function(r,a,e,i){var
v={isFolder:!0,isDevice:!1,contents:{}};return $.createObject(r,a,v,e,i)},createPath:function(r,a,e,i){var
v=$e.findObject(r);if(null===v)throw new Error(\\Invalid parent.\\);for(a=a.split(\\).reverse();a.length;){var
t=a.pop();t&&(v.contents.hasOwnProperty(t)||$.createFolder(v,t,e,i),v=v.contents[t]}return
v},createFile:function(r,a,e,i,v){return
e.isFolder=!1,$e.createObject(r,a,e,i,v)},createDataFile:function(r,a,e,i,v){if(\\string\\!==typeof e){for(var t=new
Array(e.length),f=0,_=e.length;f<_;++f)t[f]=e.charCodeAtAt(f);e=t}var s={isDevice:!1,contents:e};return
$.createFile(r,a,s,i,v)},createLazyFile:function(r,a,e,i,v){var t={isDevice:!1,url:e};return
$.createFile(r,a,t,i,v)},createLink:function(r,a,e,i,v){var t={isDevice:!1,link:e};return
$.createFile(r,a,t,i,v)},createDevice:function(r,a,e,i){if(!e&&!i)throw new Error(\\A device must have at least one
callback defined.\\);var v={isDevice:!0,input:e,output:i};return
$.createFile(r,a,v,Boolean(e),Boolean(i))},forceLoadFile:function(r){if(r.isDevice||r.isFolder||r.link||r.contents)retur
n!0;var a=!0;if(\\undefined\\!==typeof XMLHttpRequest)e(\\Cannot do synchronous binary XHRs in modern
browsers. Use --embed-file or --preload-file in emcc\\);else if(\\undefined\\!==typeof read)throw new
Error(\\Cannot load without read() or
XMLHttpRequest.\\);try {r.contents=p(read(r.url),!0)} catch(r){a=!1}}return
a||Ya(Ge.EIO),a},ensureRoot:function(){$.root|($.root={read:!0,write:!0,isFolder:!0,isDevice:!1,timestamp>Date.

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now(),inodeNumber:1,contents:{ })),init:function(r,a,i){function
v(r){null===r||r===\\\\"\\\\\\\\\\\\\\\\n\\".charCodeAt(0)?(a.printer(a.buffer.join(\\\\"\\\\\\")),a.buffer=[]):a.buffer.push(String.fr
omCharCode(r))}e(!$e.init.initialized,\\\\"FS.init was previously called. If you want to initialize later with custom
parameters, remove any earlier calls (note that one is automatically added to the generated
code)\\\\"),$e.init.initialized=!0,$e.ensureRoot(),r=r||Module.stdin,a=a||Module.stdout,i=i||Module.stderr;var
t=!0,f=!0,s=!0;r||(t=!1,r=function(){if(!r.cache||r.cache.length){var a;\\\\"undefined\\\\"!=typeof
window&&\\\\"function\\\\"==typeof window.prompt?a=window.prompt(\\\\"Input: \\\\"):\\\\"function\\\\"==typeof
readline&&(a=readline()),a||(a=\\\\"\\\\\\"),r.cache=p(a+\\\\"\\\\\\\\\\\\\\\\n\\",!0)}return
r.cache.shift())},a||(f=!1,a=v),a.printer||(a.printer=print),a.buffer||(a.buffer=[]),i||(s=!1,i=v),i.printer||(i.printer=print),i
.buffer||(i.buffer=[]),$e.createFolder(\\\\"\\\\\\",\\\\"tmp\\",!0,!0);var
n=$e.createFolder(\\\\"\\\\\\",\\\\"dev\\",!0,!0),o=$e.createDevice(n,\\\\"stdin\\" ,r),l=$e.createDevice(n,\\\\"stdout\\" ,null,
a),b=$e.createDevice(n,\\\\"stderr\\" ,null,i),$e.createDevice(n,\\\\"tty\\" ,r,a),$e.streams[1]={path:\\\\"/dev/stdin\\" ,obj
ect:o,position:0,isRead:!0,isWrite:!1,isAppend:!1,isTerminal:!t,error:!1,eof:!1,ungotten:[],$e.streams[2]={path:\\\\"/
dev/stdout\\" ,object:l,position:0,isRead:!1,isWrite:!0,isAppend:!1,isTerminal:!f,error:!1,eof:!1,ungotten:[],$e.strea
ms[3]={path:\\\\"/dev/stderr\\" ,object:b,position:0,isRead:!1,isWrite:!0,isAppend:!1,isTerminal:!s,error:!1,eof:!1,ung
otten:[],We=_[[1],\\\\"void*\\" ,we),Ze=_[[2],\\\\"void*\\" ,we),Qe=_[[3],\\\\"void*\\" ,we),$e.createPath(\\\\"\\\\\\" ,\\\\"d
ev/shm/tmp\\" ,!0,!0),$e.streams[We]=$e.streams[1],$e.streams[Ze]=$e.streams[2],$e.streams[Qe]=$e.streams[3],qe
=_[_[[0,0,0,0,We,0,0,0,0,Ze,0,0,0,0,Qe,0,0,0,0],\\\\"void*\\" ,we),\\\\"void*\\" ,we)},quit:function(){ $e.init.initialized&&(
$e.streams[2]&&$e.streams[2].object.output.buffer.length>0&&$e.streams[2].object.output(\\\\"\\\\\\\\\\\\\\\\n\\".charCode
At(0)),$e.streams[3]&&$e.streams[3].object.output.buffer.length>0&&$e.streams[3].object.output(\\\\"\\\\\\\\\\\\\\\\n\\".cha
rCodeAt(0))}},Je=Ja;Ve.unshift({func:function(){ $e.ignorePermissions=!1,$e.init.initialized||$e.init() }},Be.push({
func:function(){ $e.quit() }},Ya(0),ae.buf=_[[12],\\\\"void*\\" ,we),Module.callMain=function(r){function a(o){for(var
r=0;r<3;r++)i.push(0)}var e=r.length+1,i=[_([p(\\\\"/bin/this.program\\"),\\\\"i8\\" ,we),a();for(var v=0;v<e-
1;v+=1)i.push(_([p(r[v]),\\\\"i8\\" ,we),a());return i.push(0),i=_[[i,\\\\"i32\\" ,we),_main(e,i,0)];var
ri,ai,ei,ii,vi,ti,qe,fi,_i,si,ni,oi,li,bi,ki,ui,ci,hi,di,wi;if(He.__str=_[[97,78,0],\\\\"i8\\" ,we),He.__str1=_[[38,61,0],\\\\"i8\\"
,we),He.__str2=_[[97,83,0],\\\\"i8\\" ,we),He.__str3=_[[61,0],\\\\"i8\\" ,we),He.__str4=_[[97,97,0],\\\\"i8\\" ,we),He.
__str5=_[[38,38,0],\\\\"i8\\" ,we),He.__str6=_[[97,100,0],\\\\"i8\\" ,we),He.__str7=_[[38,0],\\\\"i8\\" ,we),He.__str8=_[[
97,110,0],\\\\"i8\\" ,we),He.__str9=_[[99,108,0],\\\\"i8\\" ,we),He.__str10=_[[40,41,0],\\\\"i8\\" ,we),He.__str11=_[[99,
109,0],\\\\"i8\\" ,we),He.__str12=_[[44,0],\\\\"i8\\" ,we),He.__str13=_[[99,111,0],\\\\"i8\\" ,we),He.__str14=_[[126,0],\
\\\\"i8\\" ,we),He.__str15=_[[100,86,0],\\\\"i8\\" ,we),He.__str16=_[[47,61,0],\\\\"i8\\" ,we),He.__str17=_[[100,97,0],\
\\\\"i8\\" ,we),He.__str18=_[[100,101,108,101,116,101,91,93,0],\\\\"i8\\" ,we),He.__str19=_[[100,101,0],\\\\"i8\\" ,we),H
e.__str20=_[[42,0],\\\\"i8\\" ,we),He.__str21=_[[100,108,0],\\\\"i8\\" ,we),He.__str22=_[[100,101,108,101,116,101,0],
\\\\"i8\\" ,we),He.__str23=_[[100,118,0],\\\\"i8\\" ,we),He.__str24=_[[47,0],\\\\"i8\\" ,we),He.__str25=_[[101,79,0],\\\\"i
8\\" ,we),He.__str26=_[[94,61,0],\\\\"i8\\" ,we),He.__str27=_[[101,111,0],\\\\"i8\\" ,we),He.__str28=_[[94,0],\\\\"i8\\"
,we),He.__str29=_[[101,113,0],\\\\"i8\\" ,we),He.__str30=_[[61,61,0],\\\\"i8\\" ,we),He.__str31=_[[103,101,0],\\\\"i8\\"
,we),He.__str32=_[[62,61,0],\\\\"i8\\" ,we),He.__str33=_[[103,116,0],\\\\"i8\\" ,we),He.__str34=_[[62,0],\\\\"i8\\" ,we),
He.__str35=_[[105,120,0],\\\\"i8\\" ,we),He.__str36=_[[91,93,0],\\\\"i8\\" ,we),He.__str37=_[[108,83,0],\\\\"i8\\" ,we),
He.__str38=_[[60,60,61,0],\\\\"i8\\" ,we),He.__str39=_[[108,101,0],\\\\"i8\\" ,we),He.__str40=_[[60,61,0],\\\\"i8\\" ,we
),He.__str41=_[[108,115,0],\\\\"i8\\" ,we),He.__str42=_[[60,60,0],\\\\"i8\\" ,we),He.__str43=_[[108,116,0],\\\\"i8\\" ,w
e),He.__str44=_[[60,0],\\\\"i8\\" ,we),He.__str45=_[[109,73,0],\\\\"i8\\" ,we),He.__str46=_[[45,61,0],\\\\"i8\\" ,we),He.
__str47=_[[109,76,0],\\\\"i8\\" ,we),He.__str48=_[[42,61,0],\\\\"i8\\" ,we),He.__str49=_[[109,105,0],\\\\"i8\\" ,we),He.
__str51=_[[109,108,0],\\\\"i8\\" ,we),He.__str52=_[[109,109,0],\\\\"i8\\" ,we),He.__str53=_[[45,45,0],\\\\"i8\\" ,we),He.
__str54=_[[110,97,0],\\\\"i8\\" ,we),He.__str55=_[[110,101,119,91,93,0],\\\\"i8\\" ,we),He.__str56=_[[110,101,0],\
\\\\"i8\\" ,we),He.__str57=_[[33,61,0],\\\\"i8\\" ,we),He.__str58=_[[110,103,0],\\\\"i8\\" ,we),He.__str59=_[[110,116,0],\
\\\\"i8\\" ,we),He.__str60=_[[33,0],\\\\"i8\\" ,we),He.__str61=_[[110,119,0],\\\\"i8\\" ,we),He.__str62=_[[110,101,119,0],
\\\\"i8\\" ,we),He.__str63=_[[111,82,0],\\\\"i8\\" ,we),He.__str64=_[[124,61,0],\\\\"i8\\" ,we),He.__str65=_[[111,111,0],
\\\\"i8\\" ,we),He.__str66=_[[124,124,0],\\\\"i8\\" ,we),He.__str67=_[[111,114,0],\\\\"i8\\" ,we),He.__str68=_[[124,0],\
\\\\"i8\\" ,we),He.__str69=_[[112,76,0],\\\\"i8\\" ,we),He.__str70=_[[43,61,0],\\\\"i8\\" ,we),He.__str71=_[[112,108,0],\

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14,97,116,111,114,124,0],\|\|"i8\|\|"we),He.__str30200=_([111,112,101,114,97,116,111,114,38,38,0],\|\|"i8\|\|"we),He.
e.__str31201=_([111,112,101,114,97,116,111,114,124,124,0],\|\|"i8\|\|"we),He.__str32202=_([111,112,101,114,97,1
16,111,114,42,61,0],\|\|"i8\|\|"we),He.__str33203=_([111,112,101,114,97,116,111,114,43,61,0],\|\|"i8\|\|"we),He.__str
r34204=_([111,112,101,114,97,116,111,114,45,61,0],\|\|"i8\|\|"we),He.__str35205=_([111,112,101,114,97,116,111,
114,47,61,0],\|\|"i8\|\|"we),He.__str36206=_([111,112,101,114,97,116,111,114,37,61,0],\|\|"i8\|\|"we),He.__str37207
=_([111,112,101,114,97,116,111,114,62,62,61,0],\|\|"i8\|\|"we),He.__str38208=_([111,112,101,114,97,116,111,114,
60,60,61,0],\|\|"i8\|\|"we),He.__str39209=_([111,112,101,114,97,116,111,114,38,61,0],\|\|"i8\|\|"we),He.__str40210=
_([111,112,101,114,97,116,111,114,124,61,0],\|\|"i8\|\|"we),He.__str41211=_([111,112,101,114,97,116,111,114,94,
61,0],\|\|"i8\|\|"we),He.__str42212=_([96,118,102,116,97,98,108,101,39,0],\|\|"i8\|\|"we),He.__str43213=_([96,118,9
8,116,97,98,108,101,39,0],\|\|"i8\|\|"we),He.__str44214=_([96,118,99,97,108,108,39,0],\|\|"i8\|\|"we),He.__str45215
=_([96,116,121,112,101,111,102,39,0],\|\|"i8\|\|"we),He.__str46216=_([96,108,111,99,97,108,32,115,116,97,116,10
5,99,32,103,117,97,114,100,39,0],\|\|"i8\|\|"we),He.__str47217=_([96,115,116,114,105,110,103,39,0],\|\|"i8\|\|"we),
He.__str48218=_([96,118,98,97,115,101,32,100,101,115,116,114,117,99,116,111,114,39,0],\|\|"i8\|\|"we),He.__str4
9219=_([96,118,101,99,116,111,114,32,100,101,108,101,116,105,110,103,32,100,101,115,116,114,117,99,116,111,
114,39,0],\|\|"i8\|\|"we),He.__str50220=_([96,100,101,102,97,117,108,116,32,99,111,110,115,116,114,117,99,116,1
11,114,32,99,108,111,115,117,114,101,39,0],\|\|"i8\|\|"we),He.__str51221=_([96,115,99,97,108,97,114,32,100,101,1
08,101,116,105,110,103,32,100,101,115,116,114,117,99,116,111,114,39,0],\|\|"i8\|\|"we),He.__str52222=_([96,118,
101,99,116,111,114,32,99,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\|\|"i
8\|\|"we),He.__str53223=_([96,118,101,99,116,111,114,32,100,101,115,116,114,117,99,116,111,114,32,105,116,10
1,114,97,116,111,114,39,0],\|\|"i8\|\|"we),He.__str54224=_([96,118,101,99,116,111,114,32,118,98,97,115,101,32,99
,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\|\|"i8\|\|"we),He.__str55225=
_([96,118,105,114,116,117,97,108,32,100,105,115,112,108,97,99,101,109,101,110,116,32,109,97,112,39,0],\|\|"i8\|\|"we),
He.__str56226=_([96,101,104,32,118,101,99,116,111,114,32,99,111,110,115,116,114,117,99,116,111,114,32,1
05,116,101,114,97,116,111,114,39,0],\|\|"i8\|\|"we),He.__str57227=_([96,101,104,32,118,101,99,116,111,114,32,10
0,101,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\|\|"i8\|\|"we),He.__str58228=_([9
6,101,104,32,118,101,99,116,111,114,32,118,98,97,115,101,32,99,111,110,115,116,114,117,99,116,111,114,32,105
,116,101,114,97,116,111,114,39,0],\|\|"i8\|\|"we),He.__str59229=_([96,99,111,112,121,32,99,111,110,115,116,114,1
17,99,116,111,114,32,99,108,111,115,117,114,101,39,0],\|\|"i8\|\|"we),He.__str60230=_([37,115,37,115,32,96,82,84
,84,73,32,84,121,112,101,32,68,101,115,99,114,105,112,116,111,114,39,0],\|\|"i8\|\|"we),He.__str61231=_([96,82,8
4,84,73,32,66,97,115,101,32,67,108,97,115,115,32,68,101,115,99,114,105,112,116,111,114,32,97,116,32,40,37,115
,44,37,115,44,37,115,44,37,115,41,39,0],\|\|"i8\|\|"we),He.__str62232=_([96,82,84,84,73,32,66,97,115,101,32,67,10
8,97,115,115,32,65,114,114,97,121,39,0],\|\|"i8\|\|"we),He.__str63233=_([96,82,84,84,73,32,67,108,97,115,115,32,7
2,105,101,114,97,114,99,104,121,32,68,101,115,99,114,105,112,116,111,114,39,0],\|\|"i8\|\|"we),He.__str64234=_([
96,82,84,84,73,32,67,111,109,112,108,101,116,101,32,79,98,106,101,99,116,32,76,111,99,97,116,111,114,39,0],\|\|"i
8\|\|"we),He.__str65235=_([96,108,111,99,97,108,32,118,102,116,97,98,108,101,39,0],\|\|"i8\|\|"we),He.__str6623
6=_([96,108,111,99,97,108,32,118,102,116,97,98,108,101,32,99,111,110,115,116,114,117,99,116,111,114,32,99,10
8,111,115,117,114,101,39,0],\|\|"i8\|\|"we),He.__str67237=_([111,112,101,114,97,116,111,114,32,110,101,119,91,9
3,0],\|\|"i8\|\|"we),He.__str68238=_([111,112,101,114,97,116,111,114,32,100,101,108,101,116,101,91,93,0],\|\|"i8\|\"
",we),He.__str69239=_([96,112,108,97,99,101,109,101,110,116,32,100,101,108,101,116,101,32,99,108,111,115,11
7,114,101,39,0],\|\|"i8\|\|"we),He.__str70240=_([96,112,108,97,99,101,109,101,110,116,32,100,101,108,101,116,10
1,91,93,32,99,108,111,115,117,114,101,39,0],\|\|"i8\|\|"we),He.__str71241=_([126,37,115,0],\|\|"i8\|\|"we),He.__str7
2242=_([117,110,100,110,97,109,101,46,99,0],\|\|"i8\|\|"we),He.__func__symbol_demangle=_([115,121,109,98,1
11,108,95,100,101,109,97,110,103,108,101,0],\|\|"i8\|\|"we),He.__str73243=_([115,121,109,45,62,114,101,115,117,
108,116,0],\|\|"i8\|\|"we),He.__func__handle_template=_([104,97,110,100,108,101,95,116,101,109,112,108,97,11
6,101,0],\|\|"i8\|\|"we),He.__str74244=_([42,115,121,109,45,62,99,117,114,114,101,110,116,32,61,61,32,39,36,39,0
,\|\|"i8\|\|"we),He.__func__str_array_get_ref=_([115,116,114,95,97,114,114,97,121,95,103,101,116,95,114,101,1
02,0],\|\|"i8\|\|"we),He.__str75245=_([99,114,101,102,0],\|\|"i8\|\|"we),He.__str76246=_([112,114,105,118,97,116,10
1,58,32,0],\|\|"i8\|\|"we),He.__str77247=_([112,114,111,116,101,99,116,101,100,58,32,0],\|\|"i8\|\|"we),He.__str7824

8=([112,117,98,108,105,99,58,32,0],\|"i8\|",we),He.__str79249=([115,116,97,116,105,99,32,0],\|"i8\|",we),He.__str80250=([118,105,114,116,117,97,108,32,0],\|"i8\|",we),He.__str81251=([91,116,104,117,110,107,93,58,37,115,0],\|"i8\|",we),He.__str82252=([37,115,96,97,100,106,117,115,116,111,114,123,37,115,125,39,32,0],\|"i8\|",we),He.__str83253=([37,115,32,37,115,0],\|"i8\|",we),He.__str84254=([118,111,105,100,0],\|"i8\|",we),He.__str85255=([37,115,37,115,37,115,0],\|"i8\|",we),He.__str86256=([37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,0],\|"i8\|",we),He.__str87257=([32,0],\|"i8\|",we),He.__str88258=([100,108,108,95,101,120,112,111,114,116,32,0],\|"i8\|",we),He.__str89259=([99,100,101,99,108,0],\|"i8\|",we),He.__str90260=([112,97,115,99,97,108,0],\|"i8\|",we),He.__str91261=([116,104,105,115,99,97,108,108,0],\|"i8\|",we),He.__str92262=([115,116,100,99,97,108,108,0],\|"i8\|",we),He.__str93263=([102,97,115,116,99,97,108,108,0],\|"i8\|",we),He.__str94264=([99,108,114,99,97,108,108,0],\|"i8\|",we),He.__str95265=([95,95,100,108,108,95,101,120,112,111,114,116,32,0],\|"i8\|",we),He.__str96266=([95,95,99,100,101,99,108,0],\|"i8\|",we),He.__str97267=([95,95,112,97,115,99,97,108,0],\|"i8\|",we),He.__str98268=([95,95,116,104,105,115,99,97,108,108,0],\|"i8\|",we),He.__str99269=([95,95,115,116,100,99,97,108,108,0],\|"i8\|",we),He.__str100270=([95,95,102,97,115,116,99,97,108,108,0],\|"i8\|",we),He.__str101271=([95,95,99,108,114,99,97,108,108,0],\|"i8\|",we),He.__str102272=([95,95,112,116,114,54,52,0],\|"i8\|",we),He.__str103273=([99,111,110,115,116,0],\|"i8\|",we),He.__str104274=([118,111,108,97,116,105,108,101,0],\|"i8\|",we),He.__str105275=([99,111,110,115,116,32,118,111,108,97,116,105,108,101,0],\|"i8\|",we),He.__func__get_class_string=([103,101,116,95,99,108,97,115,115,95,115,116,114,105,110,103,0],\|"i8\|",we),He.__str106276=([97,45,62,101,108,116,115,91,105,93,0],\|"i8\|",we),He.__str107277=([123,102,111,114,32,96,37,115,39,125,0],\|"i8\|",we),He.__str108278=([37,115,37,115,37,115,37,115,37,115,37,115,37,115,0],\|"i8\|",we),He.__str109279=([96,37,115,39,0],\|"i8\|",we),He.__str110280=([46,46,46,0],\|"i8\|",we),He.__str111281=([37,99,118,111,105,100,37,99,0],\|"i8\|",we),He.__str112282=([37,115,44,37,115,0],\|"i8\|",we),He.__str113283=([37,99,37,115,37,115,32,37,99,0],\|"i8\|",we),He.__str114284=([37,99,37,115,37,115,37,99,0],\|"i8\|",we),He.__func__str_array_push=([115,116,114,95,97,114,114,97,121,95,112,117,115,104,0],\|"i8\|",we),He.__str115285=([112,116,114,0],\|"i8\|",we),He.__str116286=([97,0],\|"i8\|",we),He.__str117287=([97,45,62,101,108,116,115,91,97,45,62,110,117,109,93,0],\|"i8\|",we),He.__str118288=([37,115,37,100,0],\|"i8\|",we),He.__str119289=([45,0],\|"i8\|",we),He.__func__demangle_datatype=([100,101,109,97,110,103,108,101,95,100,97,116,97,116,121,112,101,0],\|"i8\|",we),He.__str121291=([99,116,0],\|"i8\|",we),He.__str122292=([117,110,105,111,110,32,0],\|"i8\|",we),He.__str123293=([115,116,114,117,99,116,32,0],\|"i8\|",we),He.__str124294=([99,108,97,115,115,32,0],\|"i8\|",we),He.__str125295=([99,111,105,110,116,101,114,102,97,99,101,32,0],\|"i8\|",we),He.__str126296=([96,116,101,109,112,108,97,116,101,45,112,97,114,97,109,101,116,101,114,45,37,115,39,0],\|"i8\|",we),He.__str127297=([37,115,37,115,32,40,37,115,42,0],\|"i8\|",we),He.__str128298=([41,37,115,0],\|"i8\|",we),He.__str129299=([101,110,117,109,32,37,115,0],\|"i8\|",we),He.__str130300=([96,116,101,109,112,108,97,116,101,45,112,97,114,97,109,101,116,101,114,37,115,39,0],\|"i8\|",we),He.__str131301=([123,37,115,44,37,115,125,0],\|"i8\|",we),He.__str132302=([123,37,115,44,37,115,44,37,115,125,0],\|"i8\|",we),He.__str133303=([96,110,111,110,45,116,121,112,101,45,116,101,109,112,108,97,116,101,45,112,97,114,97,109,101,116,101,114,37,115,39,0],\|"i8\|",we),He.__str134304=([32,95,95,112,116,114,54,52,0],\|"i8\|",we),He.__str135305=([32,38,37,115,0],\|"i8\|",we),He.__str136306=([32,38,37,115,32,118,111,108,97,116,105,108,101,0],\|"i8\|",we),He.__str137307=([32,42,37,115,0],\|"i8\|",we),He.__str138308=([32,42,37,115,32,99,111,110,115,116,0],\|"i8\|",we),He.__str139309=([32,42,37,115,32,118,111,108,97,116,105,108,101,0],\|"i8\|",we),He.__str140310=([32,42,37,115,32,99,111,110,115,116,32,118,111,108,97,116,105,108,101,0],\|"i8\|",we),He.__str141311=([32,40,37,115,37,115,41,0],\|"i8\|",we),He.__str142312=([32,40,37,115,41,0],\|"i8\|",we),He.__str143313=([37,115,91,37,115,93,0],\|"i8\|",we),He.__str144314=([37,115,32,37,115,37,115,0],\|"i8\|",we),He.__str145315=([115,105,103,110,101,100,32,99,104,97,114,0],\|"i8\|",we),He.__str146316=([99,104,97,114,0],\|"i8\|",we),He.__str147317=([117,110,115,105,103,110,101,100,32,99,104,97,114,0],\|"i8\|",we),He.__str148318=([115,104,111,114,116,0],\|"i8\|",we),He.__str149319=([117,110,115,105,103,110,101,100,32,115,104,111,114,116,0],\|"i8\|",we),He.__str150320=([105,110,116,0],\|"i8\|",we),He.__str151321=([117,110,115,105,103,110,101,100,32,105,110,116,0],\|"i8\|",we),He.__str152322=([108,111,110,103,0],\|"i8\|",we),He.__str153323=([117,110,115,105,103,110,101,100,32,108,111,110,103,0],\|"i8\|",we),


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20>>2]=0|He.__str20,Se[ri+432>>2]=0|He.__str52,Se[ri+436>>2]=0|He.__str53,Se[ri+448>>2]=0|He.__str54,Se[ri
+452>>2]=0|He.__str55,Se[ri+464>>2]=0|He.__str56,Se[ri+468>>2]=0|He.__str57,Se[ri+480>>2]=0|He.__str58,Se
[ri+484>>2]=0|He.__str119289,Se[ri+496>>2]=0|He.__str59,Se[ri+500>>2]=0|He.__str60,Se[ri+512>>2]=0|He.__s
tr61,Se[ri+516>>2]=0|He.__str62,Se[ri+528>>2]=0|He.__str63,Se[ri+532>>2]=0|He.__str64,Se[ri+544>>2]=0|He._
__str65,Se[ri+548>>2]=0|He.__str66,Se[ri+560>>2]=0|He.__str67,Se[ri+564>>2]=0|He.__str68,Se[ri+576>>2]=0|H
e.__str69,Se[ri+580>>2]=0|He.__str70,Se[ri+592>>2]=0|He.__str71,Se[ri+596>>2]=0|He.__str72,Se[ri+608>>2]=0
|He.__str73,Se[ri+612>>2]=0|He.__str74,Se[ri+624>>2]=0|He.__str75,Se[ri+628>>2]=0|He.__str76,Se[ri+640>>2]
=0|He.__str77,Se[ri+644>>2]=0|He.__str72,Se[ri+656>>2]=0|He.__str78,Se[ri+660>>2]=0|He.__str79,Se[ri+672>>
2]=0|He.__str80,Se[ri+676>>2]=0|He.__str81,Se[ri+688>>2]=0|He.__str82,Se[ri+692>>2]=0|He.__str83,Se[ri+704
>>2]=0|He.__str84,Se[ri+708>>2]=0|He.__str85,Se[ri+720>>2]=0|He.__str86,Se[ri+724>>2]=0|He.__str87,Se[ri+7
36>>2]=0|He.__str88,Se[ri+740>>2]=0|He.__str89,Se[ri+752>>2]=0|He.__str90,Se[ri+756>>2]=0|He.__str91,Se[ri
+768>>2]=0|He.__str92,Se[ri+772>>2]=0|He.__str91,Se[ai>>2]=0|He.__str145315,Se[ai+8>>2]=0|He.__str145315
,Se[ai+20>>2]=0|He.__str167337,Se[ai+28>>2]=0|He.__str95,Se[ai+40>>2]=0|He.__str146316,Se[ai+48>>2]=0|He
.__str97,Se[ai+60>>2]=0|He.__str155325,Se[ai+68>>2]=0|He.__str155325,Se[ai+80>>2]=0|He.__str156326,Se[ai+
88>>2]=0|He.__str156326,Se[ai+100>>2]=0|He.__str154324,Se[ai+108>>2]=0|He.__str154324,Se[ai+120>>2]=0|
He.__str101,Se[ai+128>>2]=0|He.__str101,Se[ai+140>>2]=0|He.__str147317,Se[ai+148>>2]=0|He.__str147317,Se
[ai+160>>2]=0|He.__str150320,Se[ai+168>>2]=0|He.__str150320,Se[ai+180>>2]=0|He.__str151321,Se[ai+188>>2]
]=0|He.__str105,Se[ai+220>>2]=0|He.__str152322,Se[ai+228>>2]=0|He.__str152322,Se[ai+240>>2]=0|He.__str15
3323,Se[ai+248>>2]=0|He.__str153323,Se[ai+260>>2]=0|He.__str165335,Se[ai+268>>2]=0|He.__str165335,Se[ai
+280>>2]=0|He.__str166336,Se[ai+288>>2]=0|He.__str166336,Se[ai+360>>2]=0|He.__str148318,Se[ai+368>>2]=
0|He.__str148318,Se[ai+380>>2]=0|He.__str149319,Se[ai+388>>2]=0|He.__str149319,Se[ai+420>>2]=0|He.__str8
4254,Se[ai+428>>2]=0|He.__str84254,Se[ai+440>>2]=0|He.__str168338,Se[ai+448>>2]=0|He.__str146316,Se[ai+
460>>2]=0|He.__str114,Se[ai+468>>2]=0|He.__str152322,Se[ai+480>>2]=0|He.__str115,Se[ai+488>>2]=0|He.__s
tr115,Se[ai+500>>2]=0|He.__str110280,Se[ai+508>>2]=0|He.__str110280,Se[ei+4>>2]=0|He.__str152,Se[ei+12>>
2]=0|He.__str152,Se[ei+32>>2]=0|He.__str153,Se[ei+40>>2]=0|He.__str153,Se[ei+48>>2]=0|He.__str154,Se[ei+6
0>>2]=0|He.__str155,Se[ei+68>>2]=0|He.__str155,Se[ei+76>>2]=0|He.__str156,Se[ei+88>>2]=0|He.__str157,Se[e
i+96>>2]=0|He.__str158,Se[ei+104>>2]=0|He.__str156,Se[ei+116>>2]=0|He.__str159,Se[ei+124>>2]=0|He.__str1
60,Se[ei+132>>2]=0|He.__str161,Se[ei+144>>2]=0|He.__str162,Se[ei+152>>2]=0|He.__str163,Se[ei+160>>2]=0|
He.__str164,Se[ei+172>>2]=0|He.__str165,Se[ei+180>>2]=0|He.__str166,Se[ei+188>>2]=0|He.__str167,Se[si+4>
>2]=bi,Se[ni+4>>2]=ki,oi=_([2,0,0,0,0],[\\"i8*\\"],0,0,0,0,we),Se[bi>>2]=oi+8|0,Se[bi+4>>2]=0|He.__ZTSSt9bad
_alloc,Se[bi+8>>2]=li,Se[ki>>2]=oi+8|0,Se[ki+4>>2]=0|He.__ZTSSt20bad_array_new_length,Se[ki+8>>2]=bi,ui=
16,ci=6,hi=18,di=6,wi=6,pe=[0,0,Jr,0,va,0,ya,0,ga,0,wa,0,Sa,0,pa,0,Ea,0,ma,0],Module.FUNCTION_TABLE=pe,Mo
odule.run=ee,Module.preRun&&Module.preRun(),0==Ke){ee()}Module.postRun&&Module.postRun(),Module.__
_cxa_demangle=G;var
pi=v(\\"__cxa_demangle\\",\\"string\\",[\\"string\\",\\"string\\",\\"number\\",\\"number\\"]);return
function(r){return pi(r,\\"\\",1,0)}();\\n},function(e,r,a){\\"use strict\\";function t(e){const r=[];return function
e(a){r.push({id:a.id,callFrame:{columnNumber:0,functionName:a.functionName,lineNumber:a.lineNumber,scriptId
:a.scriptId,url:a.url},hitCount:a.hitCount,children:a.children.map(e=>e.id)},a.children.forEach(e)}(e),r)}Object.defi
neProperty(r,\\"__esModule\\",{value:!0}),r.chromeTreeToNodes=void
0,r.chromeTreeToNodes=function(e){return{samples:e.samples,startTime:1e6*e.startTime,endTime:1e6*e.endTime
,nodes:t(e.head),timeDeltas:(r=e.timestamps,a=e.startTime,r.map((e,t)=>e-(0===t?1e6*a:r[t-1]))});var
r,a}},function(e,r,a){\\"use strict\\";Object.defineProperty(r,\\"__esModule\\",{value:!0}),r.Flamechart=void
0;const
t=a(0),i=a(11);r.Flamechart=class{constructor(e){this.source=e,this.layers=[],this.totalWeight=0,this.minFrameWidt
h=1;const r=[];this.minFrameWidth=1/0;this.totalWeight=e.getTotalWeight(),e.forEachCall((e,a)=>{const
i=t.lastOf(r),n={node:e,parent:i,children:[],start:a,end:a};i&&i.children.push(n),r.push(n)},(e,a)=>{console.assert(r.l
ength>0);const t=r.pop();if(t.end=a,t.end-t.start==0)return;const
i=r.length;for(;this.layers.length<=i;)this.layers.push([]);this.layers[i].push(t),this.minFrameWidth=Math.min(this.m
```



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inFrameWidth,t.end-t.start)),isFinite(this.minFrameWidth)||this.minFrameWidth=1}getTotalWeight(){return
this.totalWeight}getLayers(){return this.layers}getColorBucketForFrame(e){return
this.source.getColorBucketForFrame(e)}getMinFrameWidth(){return this.minFrameWidth}formatValue(e){return
this.source.formatValue(e)}getClampedViewportWidth(e){const
r=this.getTotalWeight(),a=Math.pow(2,40),t=i.clamp(3*this.getMinFrameWidth(),r/a,r);return
i.clamp(e,t,r)}getClampedConfigSpaceViewportRect({configSpaceViewportRect:e,renderInverted:r}){const a=new
i.Vec2(this.getTotalWeight(),this.getLayers().length),t=this.getClampedViewportWidth(e.size.x),n=e.size.withX(t),s
=i.Vec2.clamp(e.origin,new i.Vec2(0,r?0:-1),i.Vec2.max(i.Vec2.zero,a.minus(n).plus(new i.Vec2(0,1))));return new
i.Rect(s,e.size.withX(t))},function(e,r,a){use strict};function t(e,r,a){return
e<r?r:e>a?a:e}Object.defineProperty(r, "__esModule", { value: !0 }), r.Rect=r.AffineTransform=r.Vec2=r.clamp=void
0,r.clamp=t;let i=(()=>>{class e {constructor(e,r) {this.x=e,this.y=r}withX(r) {return new
e(r,this.y)}withY(r) {return new e(this.x,r)}plus(r) {return new e(this.x+r.x,this.y+r.y)}minus(r) {return new e(this.x-
r.x,this.y-r.y)}times(r) {return new e(this.x*r,this.y*r)}timesPointwise(r) {return new
e(this.x*r.x,this.y*r.y)}dividedByPointwise(r) {return new e(this.x/r.x,this.y/r.y)}dot(e) {return
this.x*e.x+this.y*e.y}equals(e) {return this.x===e.x&&this.y===e.y}approxEquals(e,r=1e-9) {return
Math.abs(this.x-e.x)<r&&Math.abs(this.y-e.y)<r}length2() {return this.dot(this)}length() {return
Math.sqrt(this.length2())}abs() {return new e(Math.abs(this.x),Math.abs(this.y))}static min(r,a) {return new
e(Math.min(r.x,a.x),Math.min(r.y,a.y))}static max(r,a) {return new e(Math.max(r.x,a.x),Math.max(r.y,a.y))}static
clamp(r,a,i) {return new e(t(r.x,a.x,i.x),t(r.y,a.y,i.y))}flatten() {return[this.x,this.y]}return e.zero=new
e(0,0),e.unit=new e(1,1),e)}();r.Vec2=i;class
n {constructor(e=1,r=0,a=0,t=0,i=1,n=0) {this.m00=e,this.m01=r,this.m02=a,this.m10=t,this.m11=i,this.m12=n}with
Scale(e) {let {m00:r,m01:a,m02:t,m10:i,m11:s,m12:v}=this;return r=e.x,s=e.y,new n(r,a,t,i,s,v)}static
withScale(e) {return(new n).withScale(e)}scaledBy(e) {return n.withScale(e).times(this)}getScale() {return new
i(this.m00,this.m11)}withTranslation(e) {let {m00:r,m01:a,m02:t,m10:i,m11:s,m12:v}=this;return t=e.x,v=e.y,new
n(r,a,t,i,s,v)}static withTranslation(e) {return(new n).withTranslation(e)}getTranslation() {return new
i(this.m02,this.m12)}translatedBy(e) {return n.withTranslation(e).times(this)}static betweenRects(e,r) {return
n.withTranslation(e.origin.times(-1)).scaledBy(new
i(r.size.x/e.size.x,r.size.y/e.size.y)).translatedBy(r.origin)}times(e) {const
r=this.m00*e.m00+this.m01*e.m10,a=this.m00*e.m01+this.m01*e.m11,t=this.m00*e.m02+this.m01*e.m12+this.m
02,i=this.m10*e.m00+this.m11*e.m10,s=this.m10*e.m01+this.m11*e.m11,v=this.m10*e.m02+this.m11*e.m12+thi
s.m12;return new n(r,a,t,i,s,v)}equals(e) {return
this.m00===e.m00&&this.m01===e.m01&&this.m02===e.m02&&this.m10===e.m10&&this.m11===e.m11&&this.m12
===e.m12}approxEquals(e,r=1e-9) {return Math.abs(this.m00-e.m00)<r&&Math.abs(this.m01-
e.m01)<r&&Math.abs(this.m02-e.m02)<r&&Math.abs(this.m10-e.m10)<r&&Math.abs(this.m11-
e.m11)<r&&Math.abs(this.m12-
e.m12)<r}timesScalar(e) {const {m00:r,m01:a,m02:t,m10:i,m11:s,m12:v}=this;return new
n(e*r,e*a,e*t,e*i,e*s,e*v)}det() {const {m00:e,m01:r,m02:a,m10:t,m11:i,m12:n}=this;return e*(1*i-0*n)-r*(1*t-
0*n)+a*(0*t-0*i)}adj() {const {m00:e,m01:r,m02:a,m10:t,m11:i,m12:s}=this;return new n(+(1*i-0*s),-(1*r-
0*a),+(r*s-a*i),-(1*t-0*s),+(1*e-0*a),-(e*s-a*t))}inverted() {const e=this.det();if(0===e)return null;return
this.adj().timesScalar(1/e)}transformVector(e) {return new
i(e.x*this.m00+e.y*this.m01,e.x*this.m10+e.y*this.m11)}inverseTransformVector(e) {const r=this.inverted();return
r?r.transformVector(e):null}transformPosition(e) {return new
i(e.x*this.m00+e.y*this.m01+this.m02,e.x*this.m10+e.y*this.m11+this.m12)}inverseTransformPosition(e) {const
r=this.inverted();return r?r.transformPosition(e):null}transformRect(e) {const
r=this.transformVector(e.size),a=this.transformPosition(e.origin);return r.x<0&&r.y<0?new
s(a.plus(r),r.abs()):r.x<0?new s(a.withX(a.x+r.x),r.abs()):r.y<0?new s(a.withY(a.y+r.y),r.abs()):new
s(a,r)}inverseTransformRect(e) {const r=this.inverted();return
r?r.transformRect(e):null}flatten() {return[this.m00,this.m10,0,this.m01,this.m11,0,this.m02,this.m12,1]}r.AffineTr

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ansform=n;let s=(()=>=>{class e{constructor(e,r){this.origin=e,this.size=r}isEmpty(){return
0==this.width()||0==this.height()}width(){return this.size.x}height(){return this.size.y}left(){return
this.origin.x}right(){return this.left()+this.width()}top(){return this.origin.y}bottom(){return
this.top()+this.height()}topLeft(){return this.origin}topRight(){return this.origin.plus(new
i(this.width(),0))}bottomRight(){return this.origin.plus(this.size)}bottomLeft(){return this.origin.plus(new
i(0,this.height()))}withOrigin(r){return new e(r,this.size)}withSize(r){return new
e(this.origin,r)}closestPointTo(e){return new
i(t(e.x,this.left(),this.right()),t(e.y,this.top(),this.bottom()))}distanceFrom(e){return
e.minus(this.closestPointTo(e)).length()}contains(e){return 0===this.distanceFrom(e)}hasIntersectionWith(e){const
r=Math.max(this.top(),e.top());if(Math.max(r,Math.min(this.bottom(),e.bottom()))-r==0)return!1;const
a=Math.max(this.left(),e.left());return Math.max(a,Math.min(this.right(),e.right()))-a!=0}intersectWith(r){const
a=i.max(this.topLeft(),r.topLeft()),t=i.max(a,i.min(this.bottomRight(),r.bottomRight()));return new
e(a,t.minus(a))}equals(e){return this.origin.equals(e.origin)&&this.size.equals(e.size)}approxEquals(e){return
this.origin.approxEquals(e.origin)&&this.size.approxEquals(e.size)}area(){return this.size.x*this.size.y}return
e.empty=new e(i.zero,i.zero),e.unit=new e(i.zero,i.unit),e.NDC=new e(new i(-1,-1),new
i(2,2),e)});r.Rect=s,function(e,r,a){var t,i,n;!function(a,s){use strict};i=[],void
0===(n=typeof t=="function"===typeof t=function(){function e(e){return
e.charAt(0).toUpperCase()+e.substring(1)}function r(e){return function(){return this[e]}}var
a=["isConstructor","isEval","isNative","isToplevel"],t=["columnNumber","lineNumber"],i
=["fileName","functionName","source"],n=a.concat(t,i,["args"]);function s(r){if(r)for(var
a=0;a<n.length;a++)void 0!==(r[n[a]]&&this["set"+e(n[a])](r[n[a]]))}s.prototype={getArgs:function(){return
this.args},setArgs:function(e){if(!["object Array"]!==(Object.prototype.toString.call(e)))throw new
TypeError("Args must be an Array");this.args=e},getEvalOrigin:function(){return
this.evalOrigin},setEvalOrigin:function(e){if(e instanceof s)this.evalOrigin=e;else if(!(e instanceof Object))throw
new TypeError("Eval Origin must be an Object or StackFrame");this.evalOrigin=new
s(e)},toString:function(){var
e=this.getFileName()||"",r=this.getLineNumber()||"",a=this.getColumnNumber()||"",t=this.getFunctionN
ame()||"";return this.getIsEval()?e?"[eval]
( "+e+" : "+r+" : "+a+" )": "[eval]: "+r+" : "+a+" : "+t+" }
( "+e+" : "+r+" : "+a+" )": e+" : "+r+" : "+a+" }},s.fromString=function(e){var
r=e.indexOf("("),a=e.lastIndexOf(")"),t=e.substring(0,r),i=e.substring(r+1,a).split(","),n=e.substring(a+
1);if(0===n.indexOf("@"))var v=/@(.+)?(?:((d+))?(?:((d+))?)?$/).exec(n,||""),o=v[1],f=v[2],l=v[3];return
new s({functionName:t,args:i||void 0,fileName:o,lineNumber:f||void 0,columnNumber:l||void 0});for(var
v=0;v<a.length;v++)s.prototype["get"+e(a[v])]=r(a[v]),s.prototype["set"+e(a[v])]=function(e){return
function(r){this[e]=Boolean(r)}(a[v]);for(var
o=0;o<t.length;o++)s.prototype["get"+e(t[o])]=r(t[o]),s.prototype["set"+e(t[o])]=function(e){return
function(r){if(a=r,isNaN(parseFloat(a))||!isFinite(a))throw new TypeError(e+" must be a Number");var
a;this[e]=Number(r)}(t[o]);for(var
f=0;f<i.length;f++)s.prototype["get"+e(i[f])]=r(i[f]),s.prototype["set"+e(i[f])]=function(e){return
function(r){this[e]=String(r)}(i[f]);return s}?)t.apply(r,i:t)|(e.exports=n)}),function(e,r,a){use
strict};a.r(r),a.d(r,["importFile"],(function(){return M}));a(5);var t=a(1);const i={"--font-size-monospace-
small":"9px","--font-size-monospace-normal":"11px","--font-size-monospace-
large":"15px","--font-size-sans-small":"10px","--font-size-sans-normal":"12px","--font-
size-sans-large":"14px","--line-height-data":"18px"};parseInt({"--font-size-monospace-
small":"10px","--font-size-monospace-normal":"13px","--font-size-monospace-
large":"17px","--font-size-sans-small":"12px","--font-size-sans-normal":"14px","--font-
size-sans-large":"16px","--line-height-data":"22px"}[["--line-height-data"],10],parseInt(i["--
line-height-data"],10);class n extends Error{function s(e,r){if(e.length!=r.length)return!1;for(var

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a=0;a<e.length;a++)if(e[a]!==r[a])return!1;return!0}const v=function(e,r){var a;void 0===r&&(r=s);var
t,i=[],n=!1;return function(){for(var s=[],v=0;v<arguments.length;v++)s[v]=arguments[v];return
n&&a===this&&r(s,i)||t=e.apply(this,s),n=!0,a=this,i=s,t})(function(e,r,a=0){const
t=r.batchUIDToMeasuresMap.get(e);if(null===t||0===t.length)throw Error('Could not find measures with batch UID
\\\\"$e\\\\"');const i=t[t.length-1],n=i.timestamp+i.duration;if(n<a)return[0,0];let s=a;for(let
e=0;e<t.length;e++){const r=t[e];if(r.timestamp>=a){s=r.timestamp;break}}return[s,n]});var o=a(3),f=a.n(o);const
l=\\\\"An event handler scheduled a big update with React. Consider using the Transition API to defer some of this
work.\\\\";_=_\\\\"A component suspended during an update which caused a fallback to be shown. Consider using the
Transition API to avoid hiding components after they've been mounted.\\\\";function u(e){const
r=parseInt(e,10);if(r<0)return[];const a=[];let t=0;for(;t<=31;)1<<t&&a.push(t,t++);return a}let c=null;function
S(e,r,a,t,i){const{batchUID:n,measureStack:s}=i,v=function(e){if(e.length>0){const{depth:r,type:a}=e[e.length-
1];return\\\\"render-idle\\\\"===a?r:r+1}return
0}(s),o={type:e,batchUID:n,depth:v,lanes:a,timestamp:r,duration:0};i.measureStack.push({depth:v,measure:o,startT
ime:r,type:e});const
f=t.batchUIDToMeasuresMap.get(n);null!==f?f.push(o):t.batchUIDToMeasuresMap.set(i.batchUID,[o]),a.forEach(e
=>{t.laneToReactMeasureMap.get(e).push(o)})function h(e,r,a,t){if(0===t.length)return void
console.error('Unexpected type \\\\"%s\\\\" completed at %sms while stack is empty.',e,r);const i=t[t.length-
1];i.type!==e&&console.error('Unexpected type \\\\"%s\\\\" completed at %sms before \\\\"%s\\\\"
completed.',e,r,i.type);const{measure:n,startTime:s}=t.pop();n||console.error('Could not find matching measure for
type \\\\"%s\\\\".',e),n.duration=r-s}function d(e,r,a){const{cat:t,name:i,ts:s,ph:v}=e,o=(s-
r.startTime)/1e3;switch(t){case\\\\"disabled-by-default-devtools.screenshot\\\\":!function(e,r,a,t){const
i={height:0,image:null,imageSource:\\\\"data:image/png;base64,\\\\"+e.args.snapshot,timestamp:r,width:0};let
n=null;t.asyncProcessingPromises.push(new
Promise(e=>{n=e})),fetch(i.imageSource).then(e=>e.blob()).then(e=>{createImageBitmap(e).then(e=>{i.height=e.h
eight,i.width=e.width,n()})}),a.snapshots.push(i)}(e,o,r,a);break;case\\\\"devtools.timeline\\\\":switch(i){case\\\\"Event
Dispatch\\\\":!function(e,r,a,t){const i=e.args.data,n=i.type;if(n.startsWith(\\\\"react-\\\\"))const
e=i.stackTrace;if(e){if(e[e.length-1].url.includes(\\\\"/react-
dom.\\\\"))return}if(\\\\"blur\\\\"===n||\\\\"click\\\\"===n||\\\\"input\\\\"===n||n.startsWith(\\\\"focus\\\\"))n.startsWith(\\\\"k
ey\\\\"))n.startsWith(\\\\"mouse\\\\"))n.startsWith(\\\\"pointer\\\\"))const i=e.dur/1e3;let
s=0;for(;t.nativeEventStack.length>0;){const e=t.nativeEventStack[t.nativeEventStack.length-
1];if(r<e.timestamp+e.duration){s=e.depth+1;break}t.nativeEventStack.pop()}const
v={depth:s,duration:i,timestamp:r,type:n,warning:null};a.nativeEvents.push(v),t.nativeEventStack.push(v)}(e,o,r,a
);break;case\\\\"ResourceFinish\\\\":!function(e,r,a,t){const
i=e.args.data.requestId,n=t.requestIdToNetworkMeasureMap.get(i);null!==n&&(n.finishTimestamp=r,0===n.firstRe
ceivedDataTimestamp&&(n.firstReceivedDataTimestamp=r),0===n.lastReceivedDataTimestamp&&(n.lastReceive
dDataTimestamp=r),t.requestIdToNetworkMeasureMap.delete(e.args.data.requestId)}(e,o,0,a);break;case\\\\"Resour
ceReceivedData\\\\":!function(e,r,a,t){const
i=e.args.data.requestId,n=t.requestIdToNetworkMeasureMap.get(i);null!==n&&(0===n.firstReceivedDataTimestamp
&&(n.firstReceivedDataTimestamp=r),n.lastReceivedDataTimestamp=r,n.finishTimestamp=r)}(e,o,0,a);break;case\
\\\\"ResourceReceiveResponse\\\\":!function(e,r,a,t){const
i=e.args.data.requestId,n=t.requestIdToNetworkMeasureMap.get(i);null!==n&&(n.receiveResponseTimestamp=r)}(e,
o,0,a);break;case\\\\"ResourceSendRequest\\\\":!function(e,r,a,t){const i=e.args.data,n=i.requestId,s=new
Array(t.requestIdToNetworkMeasureMap.size+1).fill(!0);t.requestIdToNetworkMeasureMap.forEach(({depth:e})=>
{s[e]=!1});let v=0;for(let e=0;e<s.length;e++)if(s[e]){v=e;break}const
o={depth:v,finishTimestamp:0,firstReceivedDataTimestamp:0,lastReceivedDataTimestamp:0,requestId:n,requestM
ethod:i.requestMethod,priority:i.priority,sendRequestTimestamp:r,receiveResponseTimestamp:0,url:i.url};t.requestI
dToNetworkMeasureMap.set(n,o),a.networkMeasures.push(o),o.sendRequestTimestamp=r)}(e,o,r,a)}break;case\\\\"b
link.user_timing\\\\":if(i.startsWith(\\\\"-react-version-\\\\"))const[e]=i.slice(16).split(\\\\"-\\\\");r.reactVersion=e}else

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if(i.startsWith("\\\\--profiler-version-\\\\")){const[e]=i.slice(19).split("\\\\-\\\\");if(c=parseInt(e,10),1!==(c))throw new
n("This version of profiling data (${e}) is not supported by the current profiler.`)}else if(i.startsWith("\\\\--react-lane-
labels-\\\\")){const[e]=i.slice(20).split("\\\\-\\\\");!function(e,r){if(0===e.laneToLabelMap.size){const
a=r.split("\\\\,\\\\");for(let r=0;r<a.length;r++)e.laneToLabelMap.set(r,a[r])}(r,e)}else if(i.startsWith("\\\\--component-
\\\\"))!function(e,r,a,t){if(e.startsWith("\\\\--component-render-start-\\\\")){const[a]=e.slice(25).split("\\\\-
\\\\");b(t),t.currentReactComponentMeasure={componentName:a,timestamp:r,duration:0,type:\\\\"render\\\\",warning:
null}}else if("\\\\--component-render-
stop\\\\"===e){if(p(t,\\\\"render\\\\"),null!==(t.currentReactComponentMeasure)){const
e=t.currentReactComponentMeasure;e.duration=r-
e.timestamp,t.currentReactComponentMeasure=null,a.componentMeasures.push(e)}else if(e.startsWith("\\\\--
component-layout-effect-mount-start-\\\\")){const[a]=e.slice(38).split("\\\\-
\\\\");b(t),t.currentReactComponentMeasure={componentName:a,timestamp:r,duration:0,type:\\\\"layout-effect-
mount\\\\",warning:null}}else if("\\\\--component-layout-effect-mount-stop\\\\"===e){if(p(t,\\\\"layout-effect-
mount\\\\"),null!==(t.currentReactComponentMeasure)){const e=t.currentReactComponentMeasure;e.duration=r-
e.timestamp,t.currentReactComponentMeasure=null,a.componentMeasures.push(e)}else if(e.startsWith("\\\\--
component-layout-effect-unmount-start-\\\\")){const[a]=e.slice(40).split("\\\\-
\\\\");b(t),t.currentReactComponentMeasure={componentName:a,timestamp:r,duration:0,type:\\\\"layout-effect-
unmount\\\\",warning:null}}else if("\\\\--component-layout-effect-unmount-stop\\\\"===e){if(p(t,\\\\"layout-effect-
unmount\\\\"),null!==(t.currentReactComponentMeasure)){const e=t.currentReactComponentMeasure;e.duration=r-
e.timestamp,t.currentReactComponentMeasure=null,a.componentMeasures.push(e)}else if(e.startsWith("\\\\--
component-passive-effect-mount-start-\\\\")){const[a]=e.slice(39).split("\\\\-
\\\\");b(t),t.currentReactComponentMeasure={componentName:a,timestamp:r,duration:0,type:\\\\"passive-effect-
mount\\\\",warning:null}}else if("\\\\--component-passive-effect-mount-stop\\\\"===e){if(p(t,\\\\"passive-effect-
mount\\\\"),null!==(t.currentReactComponentMeasure)){const e=t.currentReactComponentMeasure;e.duration=r-
e.timestamp,t.currentReactComponentMeasure=null,a.componentMeasures.push(e)}else if(e.startsWith("\\\\--
component-passive-effect-unmount-start-\\\\")){const[a]=e.slice(41).split("\\\\-
\\\\");b(t),t.currentReactComponentMeasure={componentName:a,timestamp:r,duration:0,type:\\\\"passive-effect-
unmount\\\\",warning:null}}else if("\\\\--component-passive-effect-unmount-stop\\\\"===e&&(p(t,\\\\"passive-effect-
unmount\\\\"),null!==(t.currentReactComponentMeasure)){const e=t.currentReactComponentMeasure;e.duration=r-
e.timestamp,t.currentReactComponentMeasure=null,a.componentMeasures.push(e)}(i,o,r,a);else
if(i.startsWith("\\\\--schedule-render-\\\\")){const[e]=i.slice(18).split("\\\\-
\\\\");r.schedulingEvents.push({type:\\\\"schedule-render\\\\",lanes:u(e),timestamp:o,warning:null})}else
if(i.startsWith("\\\\--schedule-forced-update-\\\\")){const[e,t]=i.slice(25).split("\\\\-\\\\"),n={type:\\\\"schedule-force-
update\\\\",lanes:u(e),componentName:t,timestamp:o,warning:null};a.measureStack.find((({type:e})=>\\\\"commit\\\\"=
===e)&&(a.potentialLongNestedUpdate=n),r.schedulingEvents.push(n))else if(i.startsWith("\\\\--schedule-state-
update-\\\\")){const[e,t]=i.slice(24).split("\\\\-\\\\"),n={type:\\\\"schedule-state-
update\\\\",lanes:u(e),componentName:t,timestamp:o,warning:null};a.measureStack.find((({type:e})=>\\\\"commit\\\\"=
===e)&&(a.potentialLongNestedUpdate=n),r.schedulingEvents.push(n))else if(i.startsWith("\\\\--error-
\\\\")){const[e,a,t]=i.slice(8).split("\\\\-
\\\\");r.thrownErrors.push({componentName:e,message:t,phase:a,timestamp:o,type:\\\\"thrown-error\\\\"})}else
if(i.startsWith("\\\\--suspense-suspend-\\\\")){const[e,t,n,s,v]=i.slice(19).split("\\\\-\\\\"),f=u(s),l=new
Array(a.unresolvedSuspenseEvents.size+1).fill(!0);a.unresolvedSuspenseEvents.forEach((({depth:e})=>{l[e]=!1});le
t_=0;for(let e=0;e<l.length;e++)if(l[e]){_e=e;break}const
c={componentName:t,depth:_,duration:null,id:e,phase:n,promiseName:v||null,resolution:\\\\"unresolved\\\\",timestam
p:o,type:\\\\"suspense\\\\",warning:null};\\\\"update\\\\"===n&&a.potentialSuspenseEventsOutsideOfTransition.push([c
,f]),r.suspenseEvents.push(c),a.unresolvedSuspenseEvents.set(e,c)}else if(i.startsWith("\\\\--suspense-resolved-
\\\\")){const[e]=i.slice(20).split("\\\\-
\\\\"),r=a.unresolvedSuspenseEvents.get(e);null!=r&&(a.unresolvedSuspenseEvents.delete(e),r.duration=o-

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r.timestamp,r.resolution=\\\\"resolved\\")else if(i.startsWith(\\\\"--suspense-rejected-
\\")){const[e]=i.slice(20).split(\\\\"-
\\"),r=a.unresolvedSuspenseEvents.get(e);null!=r&&(a.unresolvedSuspenseEvents.delete(e),r.duration=o-
r.timestamp,r.resolution=\\\\"rejected\\")else if(i.startsWith(\\\\"--render-start-
\\")){a.nextRenderShouldGenerateNewBatchID&&(a.nextRenderShouldGenerateNewBatchID=!1,a.batchUID=a.ui
dCounter++),null!==(a.potentialLongNestedUpdate&&(a.potentialLongNestedUpdates.push([a.potentialLongNested
Update,a.batchUID]),a.potentialLongNestedUpdate=null);const[e]=i.slice(15).split(\\\\"-\\");!function(e,r){const
a=r.length-1;if(a>=0){const t=r[a];if(void 0===t.stopTime&&t.type===e)throw new n(Unexpected type \\\\"${e}\\")
started before \\\\"${t.type}\\\" completed.`)}}(\\\\"render\\",a.measureStack),\\\\"render-
idle\\"!==(function(e){if(e.length>0){const{type:r}=e[e.length-1];return r}return
null}(a.measureStack)&&S(\\\\"render-idle\\",o,u(e),r,a),S(\\\\"render\\",o,u(e),r,a);for(let
e=0;e<a.nativeEventStack.length;e++){const
r=a.nativeEventStack[e];r.timestamp+r.duration>o&&a.potentialLongEvents.push([r,a.batchUID])} else
if(i.startsWith(\\\\"--render-stop\\")||i.startsWith(\\\\"--render-yield\\"))h(\\\\"render\\",o,0,a.measureStack);else
if(i.startsWith(\\\\"--commit-start-\\")){a.nextRenderShouldGenerateNewBatchID=!0;const[e]=i.slice(15).split(\\\\"-
\\");S(\\\\"commit\\",o,u(e),r,a)}else if(i.startsWith(\\\\"--commit-
stop\\"))h(\\\\"commit\\",o,0,a.measureStack),h(\\\\"render-idle\\",o,0,a.measureStack);else if(i.startsWith(\\\\"--
layout-effects-start-\\")){const[e]=i.slice(23).split(\\\\"-\\");S(\\\\"layout-effects\\",o,u(e),r,a)}else if(i.startsWith(\\\\"-
-layout-effects-stop\\"))h(\\\\"layout-effects\\",o,0,a.measureStack);else if(i.startsWith(\\\\"--passive-effects-start-
\\")){const[e]=i.slice(24).split(\\\\"-\\");S(\\\\"passive-effects\\",o,u(e),r,a)}else if(i.startsWith(\\\\"--passive-effects-
stop\\"))h(\\\\"passive-effects\\",o,0,a.measureStack);else if(i.startsWith(\\\\"--react-internal-module-start-\\")){const
e=i.slice(30);if(!a.internalModuleStackStringSet.has(e)){a.internalModuleStackStringSet.add(e);const
r=m(e);a.internalModuleCurrentStackFrame=r}}else if(i.startsWith(\\\\"--react-internal-module-stop-\\")){const
e=i.slice(29);if(!a.internalModuleStackStringSet.has(e)){a.internalModuleStackStringSet.add(e);const
t=m(e);if(null!==(t&&null!==(a.internalModuleCurrentStackFrame)){const
e=a.internalModuleCurrentStackFrame;a.internalModuleCurrentStackFrame=null;const
i=[e,t],n=r.internalModuleSourceToRanges.get(e.fileName);null==n?r.internalModuleSourceToRanges.set(e.fileNa
me,i):n.push(i)}}}else if(\\\\"R\\"===v||\\\\"n\\"===v)r.otherUserTimingMarks.push({name:i,timestamp:o});else
if(\\\\"b\\"===v);else if(\\\\"e\\"===v);else if(\\\\"i\\"!==(v&&\\\\"I\\"!==(v)throw new n(Unrecognized event
${JSON.stringify(e)}! This is likely a bug in this profiler tool.`)}}function
b(e){null!==(e.currentReactComponentMeasure&&console.error(\\\\"Component measure started while another
measure in progress:\\",e.currentReactComponentMeasure))}function
p(e,r){null===e.currentReactComponentMeasure?console.error(\\\\"Component measure type \\\\"${r}\\\" stopped while
no measure was in progress`):e.currentReactComponentMeasure.type!==(r&&console.error(\\\\"Component measure
type \\\\"${r}\\\" stopped while type ${e.currentReactComponentMeasure.type} in progress`))}function m(e){const
r=new Error;r.stack=e;const a=f.a.parse(r);return 1===a.length?a[0]:null}async function k(e){const
r=function(e){let r;try{r=Object(t.importFromChromeTimeline)(e,\\\\"react-devtools\\")};catch(e){const r=new
n(e.message);throw r.stack=e.stack,r}const a=r.profiles[0];return new
t.Flamechart({getTotalWeight:a.getTotalWeight.bind(a),forEachCall:a.forEachCall.bind(a),formatValue:a.formatVa
lue.bind(a),getColorBucketForFrame:(e)=>0}).getLayers().map(e=>e.map(({start:e,end:r,node:{frame:{name:a,file:t,
line:i,col:n}}})=>({name:a,timestamp:e/1e3,duration:(r-
e)/1e3,scriptId:t,locationLine:i,locationColumn:n})))}(e),a=new Map;for(let e=0;e<31;e++)a.set(e,[]);const
i={batchUIDToMeasuresMap:new
Map,componentMeasures:[],duration:0,flamechart:r,internalModuleSourceToRanges:new
Map,laneToLabelMap:new
Map,laneToReactMeasureMap:a,nativeEvents:[],networkMeasures:[],otherUserTimingMarks:[],reactVersion:null,sc
hedulingEvents:[],snapshots:[],snapshotHeight:0,startTime:0,suspenseEvents:[],thrownErrors:[],s=(e=e.filter(Boole
an).sort((e,r)=>e.ts>r.ts?1:-1)).findIndex(e=>\\\\"Profile\\"===e.name);if(-1===s)return

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i,i.startTime=e[s].args.data.startTime,i.duration=(e[e.length-1].ts-i.startTime)/1e3;const
o={asyncProcessingPromises:[],batchUID:0,currentReactComponentMeasure:null,internalModuleCurrentStackFra
me:null,internalModuleStackStringSet:new
Set,measureStack:[],nativeEventStack:[],nextRenderShouldGenerateNewBatchID:!0,potentialLongEvents:[],potenti
allLongNestedUpdate:null,potentialLongNestedUpdates:[],potentialSuspenseEventsOutsideOfTransition:[],requestId
ToNetworkMeasureMap:new Map,uidCounter:0,unresolvedSuspenseEvents:new
Map};if(e.forEach(e=>d(e,i,o)),null===c){if(0===i.schedulingEvents.length&&0===i.batchUIDToMeasuresMap.si
ze)throw new n(\\\\"No React marks were found in the provided profile. Please provide profiling data from an React
application running in development or profiling mode.\\");throw new n(\\\\"This version of profiling data is not
supported by the current profiler.\\")}const{measureStack:f}=o;if(f.length>0&&console.error(\\\\"Incomplete events
or measures\\"),f),o.potentialLongEvents.forEach(([,r])=>{const[a,t]=v(r,i,e.timestamp);t-
a>20&&(e.warning=1)}),o.potentialLongNestedUpdates.forEach(([,r])=>{const[a,t]=v(r,i);t-
a>20&&e.lanes.some(e=>\\\\"Transition\\\\"===i.laneToLabelMap.get(e))}),o.potentialSuspenseEventsOutsideOfTra
nsition.forEach(([,r])=>{r.some(e=>\\\\"Transition\\\\"===i.laneToLabelMap.get(e))|(e.warning=_)}),await
Promise.all(o.asyncProcessingPromises),i.snapshots.length>0){const
e=i.snapshots[0];i.snapshotHeight=Math.min(e.height,60)}return i}var w=a(4),g=a.n(w);const M=async
function(e){try{const r=await(e=>{if(!e.name.endsWith(\\\\".json\\\\"))throw new n(\\\\"Invalid file type. Only JSON
performance profiles are supported\\");const r=new FileReader;return new Promise((a,t)=>{r.onload=()=>{const
e=g()(r.result);\\\\"string\\\\"===typeof e&&a(e),t(new n(\\\\"Input file was not read as a
string\\\\"))},r.onerror=()=>t(r.error),r.readAsText(e))})(e),a=JSON.parse(r);if(0===a.length)throw new n(\\\\"No
profiling data found in file.\\");return{status:\\\\"SUCCESS\\\\"},processedData:await k(a)}}catch(e){return e
instanceof
n?{status:\\\\"INVALID_PROFILE_ERROR\\\\"},error:e}:{status:\\\\"UNEXPECTED_ERROR\\\\"},error:e}};addEven
tListener(\\\\"message\\\\",(function(e){var
a,t=e.data,i=t.type,n=t.method,s=t.id,v=t.params;\\\\"RPC\\\\"===i&&n&&((a=r[n]?Promise.resolve().then((function
(){return a.apply(r,v)})):Promise.reject(\\\\"No such
method\\\\"))).then((function(e){postMessage({type:\\\\"RPC\\\\"},id:s,result:e)})).catch((function(e){var
r={message:e};e.stack&&(r.message=e.message,r.stack=e.stack,r.name=e.name),postMessage({type:\\\\"RPC\\\\"},id:s
,error:r)})))).postMessage({type:\\\\"RPC\\\\"},method:\\\\"ready\\\\"}));\\n/#
sourceMappingURL=importFile.worker.worker.js.map"}), { name: "importFile.worker.worker.js"
})\\n\\t\\t\\t\\taddMethods(w, methods)\\n\\t\\t\\t\\t\\n\\t\\t\\t\\treturn w\\n\\t\\t\\t\\t\\n\\t\\t\\t", "\\nvar content =
require("\\!././././././node_modules/css-loader/index.js??ref--6-1!/ReactLogo.css");\\n\\nif(typeof content ===
'string') content = [[module.id, content, "]];\\n\\nvar transform;\\nvar insertInto;\\n\\n\\nvar options =
{\\\"hmr\\\":true}\\n\\noptions.transform = transform\\noptions.insertInto = undefined;\\n\\nvar update =
require("\\!././././././node_modules/style-loader/lib/addStyles.js\\")(content, options);\\n\\nif(content.locals)
module.exports = content.locals;\\n\\nif(module.hot) {\\n\\tmodule.hot.accept("\\!././././././node_modules/css-
loader/index.js??ref--6-1!/ReactLogo.css", function() {\\n\\t\\tvar newContent =
require("\\!././././././node_modules/css-loader/index.js??ref--6-1!/ReactLogo.css");\\n\\t\\tif(typeof newContent
=== 'string') newContent = [[module.id, newContent, "]];\\n\\n\\t\\tvar locals = (function(a, b) {\\n\\t\\t\\tvar key, idx =
0;\\n\\n\\t\\t\\tfor(key in a) {\\n\\t\\t\\t\\tif(!b || a[key] !== b[key]) return false;\\n\\t\\t\\t\\tidx++;\\n\\t\\t\\t}\\n\\n\\t\\t\\tfor(key in b) idx-
;\\n\\n\\t\\t\\treturn idx === 0;\\n\\t\\t}(content.locals, newContent.locals));\\n\\n\\t\\tif(!locals) throw new Error('Aborting
CSS HMR due to changed css-modules
locals.');

```



```

    if (isGlob) return {op: 'glob', pattern: out};\n\n    return out;\n\n    function parseEnvVar() {\n      i +=\n      1;\n      var varend, varname;\n      //debugger\n      if (s.charAt(i) === '{') {\n        i += 1;\n        if (s.charAt(i) === '}') {\n          throw new Error("Bad substitution: '" + s.substr(i - 2, 3));\n        }\n        varend = s.indexOf('}', i);\n        if (varend < 0) {\n          throw new Error("Bad substitution: '" +\n          s.substr(i));\n        }\n        varname = s.substr(i, varend - i);\n        i = varend;\n      }\n      else\n      if (/[*@#?!_-\/].test(s.charAt(i))) {\n        varname = s.charAt(i);\n        i += 1;\n      }\n      else\n      {\n        varend = s.substr(i).match(/^[^\\w\\d_\/]);\n        if (!varend) {\n          varname = s.substr(i);\n          i =\n          s.length;\n        }\n        else {\n          varname = s.substr(i, varend.index);\n          i +=\n          varend.index - 1;\n        }\n      }\n      return getVar(null, "", varname);\n    }\n  }\n\n  // finalize\n  parsed arguments\n  .reduce(function(prev, arg){\n    if (arg === undefined){\n      return prev;\n    }\n    return prev.concat(arg);\n  }, []);\n\n  function getVar (_, pre, key) {\n    var r = typeof env === 'function' ?\n    env(key) : env[key];\n    if (r === undefined && key !== "")\n      r = "";\n    else if (r === undefined)\n      r = '$';\n\n    if (typeof r === 'object') {\n      return pre + TOKEN + JSON.stringify(r) + TOKEN;\n    }\n    else\n      return pre + r;\n  }\n}\n\n", "export default function addMethods(worker, methods) {\n  let c = 0;\n  let callbacks\n  = {};\n  worker.addListener('message', (e) => {\n    let d = e.data;\n    if (d.type !== 'RPC') return;\n    if (d.id)\n    {\n      let f = callbacks[d.id];\n      if (f)\n      {\n        delete callbacks[d.id];\n        if (d.error)\n        {\n          if (!f[1])\n            (Object.assign(Error(d.error.message), d.error));\n          else\n          {\n            if (!f[0])\n              (d.result);\n            else\n            {\n              let evt =\n              document.createEvent('Event');\n              evt.initEvent(d.method, false, false);\n              evt.data =\n              d.params;\n              worker.dispatchEvent(evt);\n            }\n          }\n        }\n        methods.forEach( method => {\n          worker[method] =\n          (...params) => new Promise( (a, b) => {\n            let id = ++c;\n            callbacks[id] = [a, b];\n            worker.postMessage({\n              type: 'RPC',\n              id,\n              method,\n              params\n            });\n          });\n        });\n      }\n    }\n  });\n}\n\n/*\n * @license React\n * react.production.min.js\n *\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found\n in the\n * LICENSE file in the root directory of this source tree.\n */\n'use strict';\n\n\nl=Symbol.for("react.element"),n=Symbol.for("react.portal"),p=Symbol.for("react.fragment"),q=Symbol.for("re\nact.strict_mode"),r=Symbol.for("react.profiler"),t=Symbol.for("react.provider"),u=Symbol.for("react.context"),\nv=Symbol.for("react.server_context"),w=Symbol.for("react.forward_ref"),x=Symbol.for("react.suspense"),y=Sy\nmbol.for("react.suspense_list"),z=Symbol.for("react.memo"),A=Symbol.for("react.lazy"),aa=Symbol.for("react\n.debug_trace_mode"),ba=Symbol.for("react.offscreen"),ca=Symbol.for("react.cache"),B=Symbol.for("react.de\nfault_value"),C=Symbol.iterator;function da(a){if(null===a||"object"!==typeof a)return\nnull;a=C&&a[C]||a["@iterator"];return"function"===typeof a?a:null}var\nD={isMounted:function(){return!1},enqueueForceUpdate:function(){},enqueueReplaceState:function(){},enqueueS\netState:function(){}},E=Object.assign,F={};function\nG(a,b,c){this.props=a,this.context=b,this.refs=F,this.updater=c||D}G.prototype.isReactComponent={};\nG.prototype\n.setState=function(a,b){if("object"!==typeof a&&"function"!==typeof a&&null!=a)throw Error("setState(...):\n\n takes an object of state variables to update or a function which returns an object of state\n variables.");this.updater.enqueueSetState(this,a,b,"setState");G.prototype.forceUpdate=function(a){this.updater.e\nnqueueForceUpdate(this,a,"forceUpdate");function H(){H.prototype=G.prototype;function\nI(a,b,c){this.props=a,this.context=b,this.refs=F,this.updater=c||D}var J=I.prototype=new\nH;\nJ.constructor=I;E(J,G.prototype);J.isPureReactComponent=!0;var\nK=Array.isArray,L=Object.prototype.hasOwnProperty,M={current:null},N={key:!0,ref:!0,__self:!0,__source:!0};\nfunction O(a,b,c){var d,e={},f=null,g=null;if(null!=b)for(d in void 0!==(b.ref&&(g=b.ref),void\n0!==(b.key&&(f=" "+b.key),b)L.call(b,d)&&!N.hasOwnProperty(d)&&(e[d]=b[d]);var h=arguments.length-2;if(1===h)e.children=c;else if(1<h){for(var\nk=Array(h),m=0;m<h;m++)k[m]=arguments[m+2];e.children=k}if(a&&a.defaultProps)for(d in\nh=a.defaultProps,h)void\n0===e[d]&&(e[d]=h[d]);return{ $$typeof:l,type:a,key:f,ref:g,props:e,_owner:M.current }}\nfunction\nea(a,b){return{ $$typeof:l,type:a.type,key:b.ref,a.ref,props:a.props,_owner:a._owner }}\nfunction

```



```

P(a){return"object"===typeof a&&null!==a&&a.$typeof===1}function escape(a){var
b={"=":"="0","\':"="2\}";return"$"+a.replace(/[:=]/g,function(c){return b[c]})}var Q=/\//+g;function
R(a,b){return"object"===typeof a&&null!==a&&null!=a.key?escape(""+a.key):b.toString(36)}\nfunction
S(a,b,c,d,e){var f=typeof a;if("\undefined"===f||"boolean"===f)a=null;var g=!1;if(null===a)g=!0;else
switch(f){case"string":case"number":g=!0;break;case"object":switch(a.$typeof){case 1:case
n:g=!0}}if(g)return
g=a,e=e(g),a={"="===d?\".\"+R(g,0):d,K(e)?(c=\"\",null!=a&&(c=a.replace(Q,\"$&^")+\"^\")},S(e,b,c,\"\",function(m
){return
m}):null!=e&&(P(e)&&(e=ea(e,c+(!e.key||g&&g.key===e.key?\"\":(\"\"+e.key).replace(Q,\"$&^")+\"^\")+a)),b.pu
sh(e)),1;g=0;d={"="===d?\".\"+d+\"\":\}";if(K(a))for(var h=0;h<a.length;h++){f=na[h];var
k=d+R(f,h);g+=S(f,b,c,k,e)}else if(k=da(a),\"function\"===typeof
k)for(a=k.call(a),h=0;!(f=a.next()).done);f=f.value,k=d+R(f,h++),g+=S(f,b,c,k,e);else if(\"object\"===f)throw
b=String(a),Error(\"Objects are not valid as a React child (found: \"+(\\"[object Object]\"===b?\"object with keys
{\"+Object.keys(a).join(\", \")+\"}\"+\":b)+\"). If you meant to render a collection of children, use an array
instead.\");return g}\nfunction T(a,b,c){if(null===a)return a;var d=[],e=0;S(a,d,\"\",\",\",function(f){return
b.call(c,f,e++)});return d}function fa(a){if(-1===a._status){var
b=a._result;b=b();b.then(function(c){if(0===a._status||-
1===a._status)a._status=1,a._result=c,function(c){if(0===a._status||-1===a._status)a._status=2,a._result=c});-
1===a._status&&(a._status=0,a._result=b)}if(1===a._status)return a._result.default;throw a._result;}var
U={current:null};function ha(){return new WeakMap}\nfunction V(){return{s:0,v:void 0,o:null,p:null}}var
W={current:null},X={transition:null},Y={ReactCurrentDispatcher:W,ReactCurrentCache:U,ReactCurrentBatchCo
nfig:X,ReactCurrentOwner:M,ContextRegistry:},Z=Y.ContextRegistry;\nexports.Children={map:T,forEach:funct
ion(a,b,c){T(a,function(){b.apply(this,arguments)},c),count:function(a){var b=0;T(a,function(){b++});return
b},toArray:function(a){return T(a,function(b){return b})||[]},only:function(a){if(!P(a))throw
Error(\"React.Children.only expected to receive a single React element child.\");return
a}};\nexports.Component=G;\nexports.Fragment=p;\nexports.Profiler=r;\nexports.PureComponent=I;\nexports.StrictMode=q
;\nexports.Suspense=x;\nexports.SuspenseList=y;\nexports.__SECRET_INTERNALS_DO_NOT_USE_OR_YOU_WI
LL_BE_FIRED=Y;\nexports.cache=function(a){return function(){var b=U.current;if(!b)return
a.apply(null,arguments);var c=b.getCacheForType(ha);b=c.get(a);void 0===b&&(b=V(),c.set(a,b));c=0;for(var
d=arguments.length;c<d;c++){var e=arguments[c];if(\"function\"===typeof e||\"object\"===typeof
e&&null!==e){var f=b.o;null===f&&(b.o=f=new WeakMap);b=f.get(e);void 0===b&&(b=V(),f.set(e,b))}else
f=b.p,null===f&&(b.p=f=new Map),b=f.get(e),void 0===b&&(b=V(),f.set(e,b))}if(1===b.s)return
b.v;if(2===b.s)throw b.v;try{var g=a.apply(null,\narguments);c=b;c.s=1;return c.v}catch(h){throw
g=b,g.s=2,g.v=h,h}};\nexports.cloneElement=function(a,b,c){if(null===a||void 0===a)throw
Error(\"React.cloneElement(...): The argument must be a React element, but you passed \"+a+\".\");var
d=E({},a.props),e=a.key,f=a.ref,g=a._owner;if(null!=b){void 0!=b.ref&&(f=b.ref,g=M.current);void
0!=b.key&&(e=\"\"+b.key);if(a.type&&a.type.defaultProps)var h=a.type.defaultProps;for(k in
b)L.call(b,k)&&!N.hasOwnProperty(k)&&(d[k]=void 0===b[k]&&void 0!=h[h[k]:b[k]])}var k=arguments.length-
2;if(1===k)d.children=c;else if(1<k){h=Array(k);\nfor(var
m=0;m<k;m++)h[m]=arguments[m+2];d.children=h}return{ $$typeof:1,type:a.type,key:e,ref:f,props:d,_owner:g}};\n
exports.createContext=function(a){a={ $$typeof:u,_currentValue:a._currentValue2:a._threadCount:0,Provider:null,C
onsumer:null,_defaultValue:null,_globalName:null};a.Provider={ $$typeof:t,_context:a};return
a.Consumer=a};\nexports.createElement=O;\nexports.createFactory=function(a){var b=O.bind(null,a);b.type=a;return
b};\nexports.createRef=function(){return{current:null}};\nexports.createServerContext=function(a,b){var
c=!0;if(!Z[a]){c=!1;var
d={ $$typeof:v,_currentValue:b,_currentValue2:b,_defaultValue:b,_threadCount:0,Provider:null,Consumer:null,_glo
balName:a};d.Provider={ $$typeof:t,_context:d};Z[a]=d}d=Z[a];if(d._defaultValue===B)d._defaultValue=b,d._curr
entValue===B&&(d._currentValue=b),d._currentValue2===B&&(d._currentValue2=b);else if(c)throw

```

```

Error("ServerContext: \"+a+\" already defined");return
d};exports.experimental_useEffectEvent=function(a){return
W.current.useEffectEvent(a)};\nextports.forwardRef=function(a){return{ $$typeof:w,render:a }};exports.isValidElem
ent=P;exports.lazy=function(a){return{ $$typeof:A,_payload:{_status:-
1,_result:a},_init:fa }};exports.memo=function(a,b){return{ $$typeof:z,type:a,compare:void
0===b?null:b }};exports.startTransition=function(a){var
b=X.transition;X.transition={};try{a()}finally{X.transition=b}};exports.unstable_Cache=ca;exports.unstable_DebugTracingMode=aa;exports.unstable_Offscreen=ba;\nextports.unstable_act=function(){throw Error("act(...) is not
supported in production builds of React.");};exports.unstable_getCacheForType=function(a){var
b=U.current;return b?b.getCacheForType(a):a()};exports.unstable_getCacheSignal=function(){var
a=U.current;return a?a.getCacheSignal():(a=new AbortController,a.abort(Error("This CacheSignal was requested
outside React which means that it is immediately
aborted.")),a.signal)};exports.unstable_useCacheRefresh=function(){return
W.current.useCacheRefresh()};\nextports.unstable_useMemoCache=function(a){return
W.current.useMemoCache(a)};exports.use=function(a){return
W.current.use(a)};exports.useCallback=function(a,b){return
W.current.useCallback(a,b)};exports.useContext=function(a){return
W.current.useContext(a)};exports.useDebugValue=function(){};exports.useDeferredValue=function(a){return
W.current.useDeferredValue(a)};exports.useEffect=function(a,b){return
W.current.useEffect(a,b)};exports.useId=function(){return
W.current.useId()};\nextports.useImperativeHandle=function(a,b,c){return
W.current.useImperativeHandle(a,b,c)};exports.useInsertionEffect=function(a,b){return
W.current.useInsertionEffect(a,b)};exports.useLayoutEffect=function(a,b){return
W.current.useLayoutEffect(a,b)};exports.useMemo=function(a,b){return
W.current.useMemo(a,b)};exports.useReducer=function(a,b,c){return
W.current.useReducer(a,b,c)};exports.useRef=function(a){return
W.current.useRef(a)};exports.useState=function(a){return
W.current.useState(a)};\nextports.useSyncExternalStore=function(a,b,c){return
W.current.useSyncExternalStore(a,b,c)};exports.useTransition=function(){return
W.current.useTransition()};exports.version="18.3.0-experimental-7f8c501f6-20230420";\n","/**\n * @license
React\n * react-dom.production.min.js\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source
code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n
*/\n*/\n Modernizr 3.0.0pre (Custom Build) | MIT\n*/\n'use strict';var
aa=require("react"),ba=require("scheduler"),ca={usingClientEntryPoint:!1,Events:null,Dispatcher:{current:null}}
;function u(a){for(var b="https://reactjs.org/docs/error-
decoder.html?invariant="+a,c=1;c<arguments.length;c++)b+="&args[]="+encodeURIComponent(arguments[c]);r
eturn"Minified React error #" +a+"; visit "+b+" for the full message or use the non-minified dev environment for
full errors and additional helpful warnings."}var C=Object.assign,ea=[],fa=-1;\nfunction
ha(a){return{current:a}}function D(a){0>fa||(a.current=ea[fa],ea[fa]=null,fa--)}function
E(a,b){fa++;ea[fa]=a.current;a.current=b}var ia=ha(null),ja=ha(null),ka=ha(null);function
la(a,b){E(ka,b);E(ja,a);E(ia,null);a=b.nodeType;switch(a){case 9:case
11:b=(b=b.documentElement)?b.namespaceURI:ma(null,"");break;default:a=8===a?b.parentNode:b,b=a.namespa
ceURI||null,a=a.tagName,b=ma(b,a)}D(ia);E(ia,b)}function na(){D(ia);D(ja);D(ka)}\nfunction oa(a){var
b=ia.current;var c=ma(b,a.type);b!==c&&(E(ja,a),E(ia,c))}function pa(a){ja.current===a&&(D(ia),D(ja))}\nvar
qa=ba.unstable_scheduleCallback,ra=ba.unstable_cancelCallback,sa=ba.unstable_shouldYield,ta=ba.unstable_reque
stPaint,ua=ba.unstable_now,va=ba.unstable_getCurrentPriorityLevel,wa=ba.unstable_ImmediatePriority,xa=ba.unst
able_UserBlockingPriority,ya=ba.unstable_NormalPriority,za=ba.unstable_LowPriority,Aa=ba.unstable_IdlePriorit
y,Ba=aa.__SECRET_INTERNALS_DO_NOT_USE_OR_YOU_WILL_BE_FIRED,Ca=null,Da=null;\nfunction

```

```

Ea(a){if(Da&&"function"===typeof Da.onCommitFiberRoot)try{Da.onCommitFiberRoot(Ca,a,void
0,128===(a.current.flags&128))}catch(b){}}var
Ga=Math.clz32?Math.clz32:Fa,Ha=Math.log,Ia=Math.LN2;function Fa(a){a>>>=0;return 0===a?32:31-
(Ha(a)/Ia|0)|0}var Ja=128,Ka=8388608;\nfunction La(a){var b=a&42;if(0===b)return b;switch(a&-a){case 1:return
1;case 2:return 2;case 4:return 4;case 8:return 8;case 16:return 16;case 32:return 32;case 64:return 64;case 128:case
256:case 512:case 1024:case 2048:case 4096:case 8192:case 16384:case 32768:case 65536:case 131072:case
262144:case 524288:case 1048576:case 2097152:case 4194304:return a&8388480;case 8388608:case
16777216:case 33554432:case 67108864:return a&125829120;case 134217728:return 134217728;case
268435456:return 268435456;\ncase 536870912:return 536870912;case 1073741824:return
1073741824;default:return a}}\nfunction Ma(a,b){var c=a.pendingLanes;if(0===c)return 0;var
d=0,e=a.suspendedLanes,f=a.pingedLanes,g=c&268435455;if(0!==g){var
h=g&~e;0!==h?d=La(h):(f&=g,0!==f&&(d=La(f)))}else
g=c&~e,0===g?d=La(g):0!==f&&(d=La(f));if(0===d)return 0;if(0===b&&b!==d&&0===(b&e)&&(e=d&-d,f=b&-
b,e>=f||32===e&&0!==(f&8388480)))return
b;0!==(d&8)&&(d|=c&32);b=a.entangledLanes;if(0===b)for(a=a.entanglements,b&=d;0<b;c=31-
Ga(b),e=1<<c,d|=a[c],b&=~e;return d)\nfunction Na(a,b){switch(a){case 1:case 2:case 4:case 8:return b+250;case
16:case 32:case 64:case 128:case 256:case 512:case 1024:case 2048:case 4096:case 8192:case 16384:case
32768:case 65536:case 131072:case 262144:case 524288:case 1048576:case 2097152:case 4194304:return
b+5E3;case 8388608:case 16777216:case 33554432:case 67108864:return-1;case 134217728:case 268435456:case
536870912:case 1073741824:return-1;default:return-1}}\nfunction
Oa(a,b){if(a.errorRecoveryDisabledLanes&b)return 0;a=a.pendingLanes&-1073741825;return
0===a?a&1073741824?1073741824:0}function Pa(){var a=Ja;Ja<<=1;0===(Ja&8388480)&&(Ja=128);return
a}function Qa(){var a=Ka;Ka<<=1;0===(Ka&125829120)&&(Ka=8388608);return a}function Ra(a){for(var
b=[],c=0;31>c;c++)b.push(a);return b}function
Sa(a,b){a.pendingLanes|=b;536870912!==b&&(a.suspendedLanes=0,a.pingedLanes=0)}\nfunction Ta(a,b){var
c=a.pendingLanes&~b;a.pendingLanes=b;a.suspendedLanes=0;a.pingedLanes=0;a.expiredLanes&=b;a.mutableRea
dLanes&=b;a.entangledLanes&=b;a.errorRecoveryDisabledLanes&=b;b=a.entanglements;var
d=a.expirationTimes;for(a=a.hiddenUpdates;0<c;){var e=31-Ga(c),f=1<<e;b[e]=0;d[e]=-1;var
g=a[e];if(null!==g)for(a[e]=null,e=0;e<g.length;e++){var h=g[e];null!==h&&(h.lane&=
1073741825)}c&=~f}}\nfunction Ua(a,b){var c=a.entangledLanes|=b;for(a=a.entanglements;c;){var d=31-
Ga(c),e=1<<d;e&b[a[d]]&b&&(a[d]=b);c&=~e}var F=0;function Va(a,b){var c=F;try{return
F=a,b()}\nfinally{F=c}}function Wa(a){a&=-a;return 2<a?8<a?0!==(a&268435455)?32:536870912:8:2}\nvar
Xa=Object.prototype.hasOwnProperty,Ya=Math.random().toString(36).slice(2),Za="__reactFiber$" + Ya,$a="__re
actProps$" + Ya,ab="__reactContainer$" + Ya,bb="__reactEvents$" + Ya,cb="__reactListeners$" + Ya,db="__rea
ctHandles$" + Ya,eb="__reactResources$" + Ya,fb="__reactMarker$" + Ya;function gb(a){delete a[Za];delete
a[$a];delete a[bb];delete a[cb];delete a[db]}\nfunction hb(a){var b=a[Za];if(b)return b;for(var
c=a.parentNode;c;){if(b=c[ab]||c[Za]){c=b.alternate;if(null!==b.child||null===c&&null===c.child)for(a=ib(a);null!=
=a;){if(c=a[Za])return c;a=ib(a)}return b}a=c;c=a.parentNode}return null}function jb(a){if(a=a[Za]||a[ab]){var
b=a.tag;if(5===b||6===b||13===b||26===b||27===b||3===b)return a}return null}function kb(a){var
b=a.tag;if(5===b||26===b||27===b||6===b)return a.stateNode;throw Error(u(33));}function lb(a){return
a[$a]||null}\nfunction mb(a){var b=a[eb];b||(b=a[eb]={hoistableStyles:new Map,hoistableScripts:new Map});return
b}function nb(a){a[fb]=!0}var ob=new Set,pb={};function qb(a,b){rb(a,b);rb(a+"Capture",b)}function
rb(a,b){pb[a]=b;for(a=0;a<b.length;a++)ob.add(b[a])}\nvar sb=!("\nundefined"===typeof
window||"\nundefined"===typeof window.document||"\nundefined"===typeof
window.document.createElement),tb=RegExp("\n^[:A-Z_a-z\\u00C0-\\u00D6\\u00D8-\\u00F6\\u00F8-
\\u02FF\\u0370-\\u037D\\u037F-\\u1FFF\\u200C-\\u200D\\u2070-\\u218F\\u2C00-\\u2FEF\\u3001-
\\uD7FF\\uF900-\\uFDCF\\uFDF0-\\uFFFF]");[:A-Z_a-z\\u00C0-\\u00D6\\u00D8-\\u00F6\\u00F8-
\\u02FF\\u0370-\\u037D\\u037F-\\u1FFF\\u200C-\\u200D\\u2070-\\u218F\\u2C00-\\u2FEF\\u3001-

```

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||||uD7FF||||uF900-||||uFDCF||||uFDF0-||||uFFFD||||-.0-9||||u00B7||||u0300-||||u036F||||u203F-
||||u2040)*$\"),ub={n{ },vb={ };function wb(a){if(Xa.call(vb,a))return!0;if(Xa.call(ub,a))return!1;if(tb.test(a))return
vb[a]=!0;ub[a]=!0;return!1}function xb(a,b,c){if(wb(b))if(null===c)a.removeAttribute(b);else{switch(typeof
c){case \"undefined\":case \"function\":case \"symbol\":a.removeAttribute(b);return;case \"boolean\":var
d=b.toLowerCase().slice(0,5);if(\"data-\"!==d&&\"aria-
\"!==d){a.removeAttribute(b);return}}a.setAttribute(b,\"\"+c)}}\nfunction
yb(a,b,c){if(null===c)a.removeAttribute(b);else{switch(typeof c){case \"undefined\":case \"function\":case
\"symbol\":case \"boolean\":a.removeAttribute(b);return}a.setAttribute(b,\"\"+c)}}function
zb(a,b,c,d){if(null===d)a.removeAttribute(c);else{switch(typeof d){case \"undefined\":case \"function\":case
\"symbol\":case \"boolean\":a.removeAttribute(c);return}a.setAttributeNS(b,c,\"\"+d)}}\nvar
Ab=Symbol.for(\"react.element\"),Cb=Symbol.for(\"react.portal\"),Db=Symbol.for(\"react.fragment\"),Eb=Symbol.
for(\"react.strict_mode\"),Fb=Symbol.for(\"react.profiler\"),Gb=Symbol.for(\"react.provider\"),Hb=Symbol.for(\"rea
ct.context\"),Ib=Symbol.for(\"react.server_context\"),Jb=Symbol.for(\"react.forward_ref\"),Kb=Symbol.for(\"react.s
uspense\"),Lb=Symbol.for(\"react.suspense_list\"),Mb=Symbol.for(\"react.memo\"),Nb=Symbol.for(\"react.lazy\"),
Ob=Symbol.for(\"react.scope\");Symbol.for(\"react.debug_trace_mode\");\nvar
Pb=Symbol.for(\"react.offscreen\"),Qb=Symbol.for(\"react.legacy_hidden\"),Rb=Symbol.for(\"react.cache\");Symbo
l.for(\"react.tracing_marker\");var
Sb=Symbol.for(\"react.default_value\"),Tb=Symbol.for(\"react.memo_cache_sentinel\"),Ub=Symbol.iterator;functio
n Vb(a){if(null===a||\"object\"!==typeof a)return
null;a=Ub&&a[Ub]||a[\"@ @iterator\"];return\"function\"===typeof a?a:null}var Wb;\nfunction Xb(a){if(void
0===Wb)try{throw Error();}catch(c){var b=c.stack.trim().match(/\\n( *(at
)?)/);Wb=b&&b[1]||\"\"}return\"\\n\"+Wb+a}var Yb=!1;\nfunction Zb(a,b){if(!a||Yb)return\"\";Yb=!0;var
c=Error.prepareStackTrace;Error.prepareStackTrace=void 0;try{if(b)if(b=function(){throw Error();}},{\"object\"===typeof
Reflect&&Reflect.construct){try{Reflect.construct(b,[],)}catch(p){var
d=p}Reflect.construct(a,[],b)}else{try{b.call()}catch(p){d=p}a.call(b.prototype)}else{try{throw
Error();}catch(p){d=p}a()}catch(p){if(p&&d&&\"string\"===typeof p.stack){for(var
e=p.stack.split(\"\\n\"),nf=d.stack.split(\"\\n\"),g=e.length-1,h=f.length-1;1<=g&&0<=h&&e[g]!==f[h];h--
;for(;1<=g&&0<=h;g--,h--)if(e[g]!==f[h]){if(1!==g||1!==h){do if(g--,h--,0>h||e[g]!==f[h]){var
l=\"\\n\"+e[g].replace(\" at new \",\" at
\");a.displayName&&l.includes(\"<anonymous>\")&&(l=l.replace(\"<anonymous>\",a.displayName));return
l}while(1<=g&&0<=h)}break}}finally{Yb=!1,Error.prepareStackTrace=c}return(a=a?a.displayName||a.name:\"\")
?Xb(a):\"\"}\nfunction $b(a){switch(a.tag){case 26:case 27:case 5:return Xb(a.type);case 16:return
Xb(\"Lazy\");case 13:return Xb(\"Suspense\");case 19:return Xb(\"SuspenseList\");case 0:case 2:case 15:return
a=Zb(a.type,!1),a;case 11:return a=Zb(a.type.render,!1),a;case 1:return
a=Zb(a.type,!0),a;default:return\"\"}}\nfunction ac(a){if(null===a)return null;if(\"function\"===typeof a)return
a.displayName||a.name||null;if(\"string\"===typeof a)return a;switch(a){case Db:return\"Fragment\";case
Cb:return\"Portal\";case Fb:return\"Profiler\";case Eb:return\"StrictMode\";case Kb:return\"Suspense\";case
Lb:return\"SuspenseList\";case Rb:return\"Cache\"}if(\"object\"===typeof a)switch(a.$typeof){case
Hb:return(a.displayName||\"Context\")+\".Consumer\";case
Gb:return(a._context.displayName||\"Context\")+\".Provider\";case Jb:var
b=a.render;a=a.displayName;\nna||(a=b.displayName||b.name||\"\",a=\"\"!==a?\"ForwardRef(\"+a+\"):\"ForwardRef
\");return a;case Mb:return b=a.displayName||null,null!==b?b:ac(a.type)||\"Memo\";case
Nb:b=a._payload;a=a._init;try{return ac(a(b))}catch(c){break}case
Ib:return(a.displayName||a._globalName)+\".Provider\"}return null}\nfunction bc(a){var
b=a.type;switch(a.tag){case 24:return\"Cache\";case 9:return(b.displayName||\"Context\")+\".Consumer\";case
10:return(b._context.displayName||\"Context\")+\".Provider\";case 18:return\"DehydratedFragment\";case 11:return
a=b.render,a=a.displayName||a.name||\"\",b.displayName||(\"\"!==a?\"ForwardRef(\"+a+\"):\"ForwardRef\");case

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7:return\Fragment\;case 26:case 27:case 5:return b;case 4:return\Portal\;case 3:return\Root\;case
6:return\Text\;case 16:return ac(b);case 8:return b===Eb?\StrictMode\:\Mode\;\ncase
22:return\Offscreen\;case 12:return\Profiler\;case 21:return\Scope\;case 13:return\Suspense\;case
19:return\SuspenseList\;case 25:return\TracingMarker\;case 1:case 0:case 17:case 2:case 14:case
15:if(\function\===typeof b)return b.displayName||b.name||null;if(\string\===typeof b)return b}return
null}function cc(a){switch(typeof a){case \"boolean\":case \"number\":case \"string\":case \"undefined\":return
a;case \"object\":return a;default:return\}\}\nfunction dc(a){var
b=a.type;return(a=a.nodeName)&&\input\===a.toLowerCase()&&\checkbox\===b||\radio\===b)\nfunction
ec(a){var
b=dc(a)?\checked\:\value\",c=Object.getOwnPropertyDescriptor(a.constructor.prototype,b),d=\"\"+a[b];if(!a.has
OwnProperty(b)&&\undefined\!==typeof c&&\function\===typeof c.get&&\function\===typeof c.set){var
e=c.get,f=c.set;Object.defineProperty(a,b,{configurable:!0,get:function(){return
e.call(this)},set:function(g){d=\"\"+g;f.call(this,g)}});Object.defineProperty(a,b,{enumerable:c.enumerable});return
{getValue:function(){return
d},setValue:function(g){d=\"\"+g},stopTracking:function(){a._valueTracker=null;delete a[b]}}}\nfunction
fc(a){a._valueTracker||(a._valueTracker=ec(a))}function gc(a){if(!a)return!1;var
b=a._valueTracker;if(!b)return!0;var c=b.getValue();var
d=\"\";a&&(d=dc(a)?a.checked?\true\:\false\":a.value);a=d;return a!==c?(b.setValue(a,!0):!1)}function
hc(a){a=a||(\undefined\!==typeof document?document:void 0);if(\undefined\===typeof a)return null;try{return
a.activeElement||a.body}catch(b){return a.body}}\nfunction
ic(a,b,c,d,e,f,g,h){a.name=\"\";null!=g&&\function\!==typeof g&&\symbol\!==typeof
g&&\boolean\!==typeof
g?a.type=g:a.removeAttribute(\"type\");if(null!=b)if(\number\===g){if(0===b&&\\"===a.value||a.value!=b)a.val
ue=\"\"+cc(b)}else a.value!=\"\"+cc(b)&&(a.value=\"\"+cc(b));else
if(\submit\===g||\reset\===g){a.removeAttribute(\"value\");return}null!=b?jc(a,g,cc(b)):null!=c?jc(a,g,cc(c)):nu
ll!=d&&a.removeAttribute(\"value\");null!=e&&null!=f&&(a.defaultChecked=!!f);null!=e&&a.checked=!!e&&(
a.checked=e);\nnull!=h&&\function\!==typeof h&&\symbol\!==typeof h&&\boolean\!==typeof
h?a.name=h:a.removeAttribute(\"name\");}\nfunction kc(a,b,c,d,e,f,g,h){null!=f&&\function\!==typeof
f&&\symbol\!==typeof f&&\boolean\!==typeof
f&&(a.type=f);if(null!=b||null!=c){if(!(\submit\!==f&&\reset\!==f||void
0!=b&&null!=b))return;c=null!=c?\\"+cc(c)\":\"\";b=null!=b?\\"+cc(b)\":\"\";c;h||b===a.value||(a.value=b);a.defaultVal
ue=b}d=null!=d?d:e;d=\"function\!==typeof d&&\symbol\!==typeof
d&&!d;h||(a.checked=!!d);a.defaultChecked=!!d;null!=g&&\function\!==typeof g&&\symbol\!==typeof
g&&\boolean\!==typeof g&&(a.name=g)}\nfunction
jc(a,b,c){\number\===b&&hc(a.ownerDocument)===a||a.defaultValue===\"\"+c||(a.defaultValue=\"\"+c)}var
lc=Array.isArray;\nfunction mc(a,b,c,d){a=a.options;if(b){b={};for(var
e=0;e<c.length;e++)b[\$]+c[e]]=!0;for(c=0;c<a.length;c++)e=b.hasOwnProperty(\$+a[c].value),a[c].selected!=
=e&&(a[c].selected=e),e&&d&&(a[c].defaultSelected=!0)}else{c=\"\"+cc(c);b=null;for(e=0;e<a.length;e++){if(a[e
].value===c){a[e].selected=!0;d&&(a[e].defaultSelected=!0);return}null!=b||a[e].disabled||(b=a[e])}null!=b&&(b
.selected=!0)}\nfunction
nc(a,b,c){if(null!=b&&(b=\"\"+cc(b),b!==a.value&&(a.value=b),null==c)){a.defaultValue!=b&&(a.defaultValue=
b);return}a.defaultValue=null!=c?\\"+cc(c)\":\"\"}function oc(a,b,c,d){if(null==b){if(null!=d){if(null!=c)throw
Error(u(92));if(lc(d)){if(1<d.length)throw
Error(u(93));d=d[0]}c=d}null==c&&(c=\"\");b=c}c=cc(b);a.defaultValue=c;d=a.textContent;d===c&&\\"!==d&&
null!=d&&(a.value=d)}\nfunction ma(a,b){if(null==a||\http://www.w3.org/1999/xhtml\===a){a:switch(b){case
\"svg\":a=\"http://www.w3.org/2000/svg\";break a;case
\"math\":a=\"http://www.w3.org/1998/Math/MathML\";break a;default:a=\"http://www.w3.org/1999/xhtml\"}return
a}return\http://www.w3.org/2000/svg\===a&&\foreignObject\===b?\http://www.w3.org/1999/xhtml\":a}funct

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ion pc(a,b){if(b){var
c=a.firstChild;if(c&&c===a.lastChild&&3===c.nodeType){c.nodeValue=b;return}}a.textContent=b}var qc=new
Set(["animationIterationCount aspectRatio borderImageOutset borderImageSlice borderImageWidth boxFlex
boxFlexGroup boxOrdinalGroup columnCount columns flex flexGrow flexPositive flexShrink flexNegative
flexOrder gridArea gridRow gridRowEnd gridRowSpan gridRowStart gridColumn gridColumnEnd
gridColumnSpan gridColumnStart fontWeight lineClamp lineHeight opacity order orphans scale tabSize widows
zIndex zoom fillOpacity floodOpacity stopOpacity strokeDasharray strokeDashoffset strokeMiterlimit
strokeOpacity strokeWidth MozAnimationIterationCount MozBoxFlex MozBoxFlexGroup MozLineClamp
msAnimationIterationCount msFlex msZoom msFlexGrow msFlexNegative msFlexOrder msFlexPositive
msFlexShrink msGridColumn msGridColumnSpan msGridRow msGridRowSpan WebkitAnimationIterationCount
WebkitBoxFlex WebKitBoxFlexGroup WebkitBoxOrdinalGroup WebkitColumnCount WebkitColumns
WebkitFlex WebkitFlexGrow WebkitFlexPositive WebkitFlexShrink WebkitLineClamp".split(""));\nfunction
rc(a,b,c){var d=0===b.indexOf("--");null==c||"boolean"===typeof
c||" "==c?d?a.setProperty(b,"")::"float"===b?a.cssFloat="":a[b]=":d?a.setProperty(b,c)::"number"!=="typeof
c||0===c||qc.has(b)?:"float"===b?a.cssFloat=c:a[b]=((""+c).trim():a[b]=c+"px")}\nfunction
sc(a,b,c){if(null!=b&&"object"!=="typeof b)throw Error(u(62));a=a.style;if(null!=c){for(var d in
c)!c.hasOwnProperty(d)||null!=b&&b.hasOwnProperty(d)||0===d.indexOf("--
")?a.setProperty(d,"")::"float"===d?a.cssFloat="":a[d]=("");for(var e in
b)d=b[e],b.hasOwnProperty(e)&&c[e]!==d&&rc(a,e,d)}else for(var f in
b)b.hasOwnProperty(f)&&rc(a,f,b[f])}\nfunction tc(a){if(-1===a.indexOf("-"))return!1;switch(a){case
"annotation-xml":case "color-profile":case "font-face":case "font-face-src":case "font-face-uri":case "font-
face-format":case "font-face-name":case "missing-glyph":return!1;default:return!0}}\nvar uc=new
Map([[["acceptCharset","accept-charset"],["htmlFor","for"],["http-equiv","http-
equiv"],["crossOrigin","crossorigin"],["accentHeight","accent-height"],["alignmentBaseline","alignment-
baseline"],["arabicForm","arabic-form"],["baselineShift","baseline-shift"],["capHeight","cap-
height"],["clipPath","clip-path"],["clipRule","clip-rule"],["colorInterpolation","color-
interpolation"],["colorInterpolationFilters","color-interpolation-filters"],["colorProfile","color-
profile"],["colorRendering","color-rendering"],["dominantBaseline","dominant-
baseline"],["enableBackground","enable-background"],["fillOpacity","fill-opacity"],["fillRule","fill-
rule"],["floodColor","flood-color"],["floodOpacity","flood-opacity"],["fontFamily","font-
family"],["fontSize","font-size"],["fontSizeAdjust","font-size-adjust"],["fontStretch","font-
stretch"],["fontStyle","font-style"],["fontVariant","font-variant"],["fontWeight","font-
weight"],["glyphName","glyph-name"],["glyphOrientationHorizontal","glyph-orientation-
horizontal"],["glyphOrientationVertical","glyph-orientation-vertical"],["horizAdvX","horiz-adv-
x"],["horizOriginX","horiz-origin-x"],["imageRendering","image-rendering"],["letterSpacing","letter-
spacing"],["lightingColor","lighting-color"],["markerEnd","marker-end"],["markerMid","marker-
mid"],["markerStart","marker-start"],["overlinePosition","overline-
position"],["overlineThickness","overline-thickness"],["paintOrder","paint-order"],["panose-1","panose-
1"],["pointerEvents","pointer-events"],["renderingIntent","rendering-intent"],["shapeRendering","shape-
rendering"],["stopColor","stop-color"],["stopOpacity","stop-
opacity"],["strikethroughPosition","strikethrough-position"],["strikethroughThickness","strikethrough-
thickness"],["strokeDasharray","stroke-dasharray"],["strokeDashoffset","stroke-
dashoffset"],["strokeLinecap","stroke-linecap"],["strokeLinejoin","stroke-
linejoin"],["strokeMiterlimit","stroke-miterlimit"],["strokeOpacity","stroke-
opacity"],["strokeWidth","stroke-width"],["textAnchor","text-anchor"],["textDecoration","text-
decoration"],["textRendering","text-rendering"],["transformOrigin","transform-
origin"],["underlinePosition","underline-position"],["underlineThickness","underline-
thickness"],["unicodeBidi","unicode-bidi"],["unicodeRange","unicode-range"],["unitsPerEm","units-per-

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em\],[\vAlphabetic\,\v-alphabetic\],[\vHanging\,\v-hanging\],[\vIdeographic\,\v-
ideographic\],[\vMathematical\,\v-mathematical\],[\vectorEffect\,\vector-effect\],[\vertAdvY\,\vert-adv-
y\],[\vertOriginX\,\vert-origin-x\],[\vertOriginY\,\vert-origin-y\],\n[\wordSpacing\,\word-
spacing\],[\writingMode\,\writing-mode\],[\xmlnsXlink\,\xmlns:xlink\],[\xHeight\,\x-
height\]]),vc=null;function
wc(a){a=a.target||a.srcElement||window;a.correspondingUseElement&&(a=a.correspondingUseElement);return
3===a.nodeType?a.parentNode:a}var xc=null,yc=null;\nfunction zc(a){var b=jb(a);if(b&&(a=b.stateNode)){var
c=lb(a);a.switch(a=b.stateNode,b.type){case
\'input\':ic(a,c.value,c.defaultValue,c.defaultValue,c.checked,c.defaultChecked,c.type,c.name);b=c.name;if(\\'radio\
\'===c.type&&null!=b){for(c=a;c.parentNode;c=c.parentNode;c=c.querySelector(\\'input[name=\'+JSON.stringify(\
\'"+b)+\'][type=\\'radio\']\'));for(b=0;b<c.length;b++){var d=c[b];if(d!==a&&d.form===a.form){var
e=lb(d);if(!e)throw
Error(u(90));gc(d);ic(d,e.value,e.defaultValue,e.defaultValue,e.checked,e.defaultChecked,\ne.type,e.name)}}break
a;case \'textarea\':nc(a,c.value,c.defaultValue);break a;case
\'select\':b=c.value,null!=b&&mc(a,!c.multiple,b,!1)}}function Ac(a){xc?yc?yc.push(a):yc=[a]:xc=a}function
Bc(){if(xc){var a=xc,b=yc;yc=xc=null;zc(a);if(b)for(a=0;a<b.length;a++)zc(b[a])}function Cc(a){var
b=a,c=a;if(a.alternate)for(;b.return;)b=b.return;else{a=b;do
b=a,0!==(b.flags&4098)&&(c=b.return),a=b.return;while(a)}return 3===b.tag?c:null}\nfunction
Dc(a){if(13===a.tag){var
b=a.memoizedState;null===b&&(a=a.alternate,null!==a&&(b=a.memoizedState));if(null===b)return
b.dehydrated}return null}function Ec(a){if(Cc(a)!==a)throw Error(u(188));}\nfunction Fc(a){var
b=a.alternate;if(!b){b=Cc(a);if(null===b)throw Error(u(188));return b!==a?null:a}for(var c=a,d=b;){var
e=c.return;if(null===e)break;var
f=e.alternate;if(null===f){d=e.return;if(null!==d){c=d;continue}break}if(e.child===f.child){for(f=e.child;f;){if(f===
=c)return Ec(e),a;if(f===d)return Ec(e),b;f=f.sibling}throw
Error(u(188));}if(c.return!==d.return)c=e,d=f;else{for(var
g=!1,h=e.child;h;){if(h===c){g=!0;c=e;d=f;break}if(h===d){g=!0;d=e;c=f;break}h=h.sibling}if(!g){for(h=f.child;h
;){if(h===\nc){g=!0;c=f;d=e;break}if(h===d){g=!0;d=f;c=e;break}h=h.sibling}if(!g)throw
Error(u(189));}if(c.alternate!==d)throw Error(u(190));}if(3===c.tag)throw Error(u(188));return
c.stateNode.current===c?a:b}function Gc(a){a=Fc(a);return null!==a?Hc(a):null}function Hc(a){var
b=a.tag;if(5===b||26===b||27===b||6===b)return a;for(a=a.child;null!==a;){b=Hc(a);if(null===b)return
b;a=a.sibling}return null}var Ic={},Jc=ha(Ic),Kc=ha(!1),Lc=Ic;\nfunction Mc(a,b){var
c=a.type.contextTypes;if(!c)return Ic;var
d=a.stateNode;if(d&&d.__reactInternalMemoizedUnmaskedChildContext===b)return
d.__reactInternalMemoizedMaskedChildContext;var e={},f;for(f in
c)e[f]=b[f];d&&(a=a.stateNode,a.__reactInternalMemoizedUnmaskedChildContext=b,a.__reactInternalMemoized
MaskedChildContext=e);return e}function Nc(a){a=a.childContextTypes;return null!==a&&void 0!==a}function
Oc(){D(Kc);D(Jc)}\nfunction Pc(a,b,c){if(Jc.current!==Ic)throw Error(u(168));E(Jc,b);E(Kc,c)}function
Qc(a,b,c){var d=a.stateNode;b=b.childContextTypes;if(\\'function\'!==typeof d.getChildContext)return
c;d=d.getChildContext();for(var e in d)if(!(e in b))throw Error(u(108,bc(a)||\'Unknown\',e));return
C({},c,d)}function
Rc(a){a=(a=a.stateNode)&&a.__reactInternalMemoizedMergedChildContext||Ic;Lc=Jc.current;E(Jc,a);E(Kc,Kc.cur
rent);return!0}\nfunction Sc(a,b,c){var d=a.stateNode;if(!d)throw
Error(u(169));c?(a=Qc(a,b,Lc),d.__reactInternalMemoizedMergedChildContext=a,D(Kc),D(Jc),E(Jc,a)):D(Kc);E(K
c,c)}function Tc(a,b){return a===b&&(0!==a||1/a===1/b)||a!==a&&b!==b}var Uc=\'function\'===typeof
Object.is?Object.is:Tc,Vc=[],Wc=0,Xc=null,Yc=0,Zc=[],$c=0,ad=null,bd=1,cd=\'\';function
dd(a,b){Vc[Wc++]=Yc;Vc[Wc++]=Xc;Xc=a;Yc=b}\nfunction
ed(a,b,c){Zc[$c++]=bd;Zc[$c++]=cd;Zc[$c++]=ad;ad=a;var d=bd;a=cd;var e=32-Ga(d)-1;d&=-(1<<e);c+=1;var

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f=32-Ga(b)+e;if(30<f){var g=e-e%5;f=(d&(1<<g)-1).toString(32);d>>=g;e-=g;bd=1<<32-
Ga(b)+e|c<<e|d;cd=f+a}else bd=1<<f|c<<e|d,cd=a}function fd(a){null!==(a.return&&(dd(a,1),ed(a,1,0)))}function
gd(a){for(;a===Xc;)Xc=Vc[--Wc],Vc[Wc]=null,Yc=Vc[--Wc],Vc[Wc]=null;for(;a===ad;)ad=Zc[--
$C],Zc[$C]=null,cd=Zc[--$C],Zc[$C]=null,bd=Zc[--$C],Zc[$C]=null}var G=null,J=null,K=!1,hd=null,id=!1;\nfunction
jd(a,b){var
c=kd(5,null,null,0);c.elementType="DELETED";c.stateNode=b;c.return=a;b=a.deletions;null===b?(a.deletions=[c
],a.flags|=16):b.push(c)}function ld(a,b){b.flags=b.flags&-4097|2}function md(a,b){var
c=a.type;b=1!==(b.nodeType||b.nodeName.toLowerCase())===c.toLowerCase()?null:b;return
null!==(b.stateNode=b,G=a,J=nd(b.firstChild),id=!1,!0):!1}function
od(a,b){b=""===a.pendingProps?null:3!==(b.nodeType?null:b;return
null!==(b.stateNode=b,G=a,J=null,!0):!1)\nfunction pd(a,b){b=8!==(b.nodeType?null:b;if(null!==(b){var
c=null!==(ad){id:bd,overflow:cd}:null;a.memoizedState={dehydrated:b,treeContext:c,retryLane:1073741824};c=kd
(18,null,null,0);c.stateNode=b;c.return=a;a.child=c;G=a;J=null;return!0}return!1}function qd(a){return
0!==(a.mode&1)&&0===a.flags&128)}function rd(){throw Error(u(418));}function
sd(a){for(;J&&td(J,a.type,a.pendingProps);J=nd(J.nextSibling))}function
ud(){for(;J&&1===J.nodeType;)J=nd(J.nextSibling)}\nfunction
vd(){for(;J&&1===J.nodeType;)J=nd(J.nextSibling)}\nfunction wd(a){var
b=a.stateNode,c=a.type,d=a.memoizedProps;b[Za]=a;b[$a]=d;a=0!==(a.mode&1);switch(c){case
"dialog":L("cancel",b);L("close",b);break;case "iframe":case "object":case
"embed":L("load",b);break;case "video":case "audio":for(var e=0;e<xd.length;e++)L(xd[e],b);break;case
"source":L("error",b);break;case "img":case "image":case "link":L("error",b);L("load",b);break;case
"details":L("toggle",b);break;case
"input":L("invalid",b);kc(b,d.value,d.defaultValue,d.checked,d.defaultChecked,d.type,\nd.name,!0);fc(b);break;ca
se "select":L("invalid",b);break;case
"textarea":L("invalid",b),oc(b,d.value,d.defaultValue,d.children),fc(b)}e=d.children;"string"!==typeof
e&&"number"!==typeof
e||b.textContent===""+e|(!0!==(d.suppressHydrationWarning&&yd(b.textContent,e,a),a||"body"===c||b.textContent
=e));null!=d.onScroll&&L("scroll",b);null!=d.onClick&&(b.onclick=zd);return!1}function
Ad(a){for(G=a.return;G;)switch(G.tag){case 3:case 27:id=!0;return;case 5:case
13:id=!1;return;default:G=G.return}}\nfunction Bd(a){if(a!==(G)return!1;if(!K)return Ad(a,K=!0,!1;var
b=!1;3===a.tag|27===a.tag|5===a.tag&&Cd(a.type,a.memoizedProps)|(b=!0);if(b&&(b=J))if(qd(a))Dd(),rd();else
for(;b;)jd(a,b),b=nd(b.nextSibling);Ad(a);if(13===a.tag){a=a.memoizedState;a=null!==(a?a.dehydrated:null;if(!a)thr
ow Error(u(317));a:{a=a.nextSibling;for(b=0;a){if(8===a.nodeType){var
c=a.data;if("\$/"===c){if(0===b){J=nd(a.nextSibling);break a}b--
}else{"$"!==c&&"$!"!==c&&"$?"===c||b++}a=a.nextSibling}J=null}}else
J=G?nd(a.stateNode.nextSibling):\nnull;return!0}function Dd(){for(var a=J;a;)a=nd(a.nextSibling)}function
Ed(){J=G=null;K=!1}function Fd(a){null===hd?hd=[a]:hd.push(a)}var Gd=[],Hd=0,Id=0;function Jd(){for(var
a=Hd,b=Id=Hd=0;b<a;){var c=Gd[b];Gd[b++]=null;var d=Gd[b];Gd[b++]=null;var e=Gd[b];Gd[b++]=null;var
f=Gd[b];Gd[b++]=null;if(null!==(d&&null!==(e)){var
g=d.pending;null===g?e.next=e:(e.next=g.next,g.next=e);d.pending=e}0!==(f&&Kd(c,e,f))}\nfunction
Ld(a,b,c,d){Gd[Hd++]=a;Gd[Hd++]=b;Gd[Hd++]=c;Gd[Hd++]=d;Id=d;a.lanes|=d;a=a.alternate;null!==(a&&(a.lan
es|=d))}function Md(a,b){Ld(a,null,null,b);return Nd(a)}\nfunction Kd(a,b,c){a.lanes|=c;var
d=a.alternate;null!==(d&&(d.lanes|=c));for(var
e=!1,f=a.return;null!==(f);f.childLanes|=c,d=f.alternate,null!==(d&&(d.childLanes|=c)),22===f.tag&&(f=a.stateNode,
null===a|a._visibility&1|!(e=!0)),a=f,f=f.return;e&&null!==(b&&3===a.tag&&(f=a.stateNode,e=31-
Ga(c),f=f.hiddenUpdates,a=f[e],null===a?f[e]=[b]:a.push(b),b.lane=c|1073741824)}function Nd(a){if(50<Od)throw
Od=0,Pd=null,Error(u(185));for(var b=a.return;null!==(b);a=b,b=a.return;return 3===a.tag?a.stateNode:null}\nvar
Qd=!1;function

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Rd(a){a.updateQueue={baseState:a.memoizedState,firstBaseUpdate:null,lastBaseUpdate:null,shared:{pending:null,lanes:0,hiddenCallbacks:null},callbacks:null}}function
Sd(a,b){a=a.updateQueue;b.updateQueue===a&&(b.updateQueue={baseState:a.baseState,firstBaseUpdate:a.firstBaseUpdate,lastBaseUpdate:a.lastBaseUpdate,shared:a.shared,callbacks:null})}function
Td(a){return{lane:a.tag:0,payload:null,callback:null,next:null}}\nfunction Ud(a,b,c){var
d=a.updateQueue;if(null===d)return null;d=d.shared;if(0!==(M&2)){var
e=d.pending:null===e?b.next=b:(b.next=e.next,e.next=b);d.pending=b;b=Nd(a);Kd(a,null,c);return
b}Ld(a,d,b,c);return Nd(a)}function
Vd(a,b,c){b=b.updateQueue;if(null!==b&&(b=b.shared,0!==(c&8388480))){var
d=b.lanes;d&=a.pendingLanes;c|=d;b.lanes=c;Ua(a,c)}\nfunction Wd(a,b){var
c=a.updateQueue,d=a.alternate;if(null!==d&&(d=d.updateQueue,c===d)){var
e=null,f=null;c=c.firstBaseUpdate;if(null!==c){do{var
g={lane:c.lane,tag:c.tag,payload:c.payload,callback:null,next:null};null===f?e=f:g=f.next=g;c=c.next}while(null!
===c);null===f?e=f:b:f=f.next=b}else
e=f=b;c={baseState:d.baseState,firstBaseUpdate:e,lastBaseUpdate:f,shared:d.shared,callbacks:d.callbacks};a.update
Queue=c;return a=c.lastBaseUpdate>null===a?c.firstBaseUpdate=b:a.next=b;c.lastBaseUpdate=b}\nfunction
Xd(a,b,c,d){var e=a.updateQueue;Qd=!1;var
f=e.firstBaseUpdate,g=e.lastBaseUpdate,h=e.shared.pending;if(null!==h){e.shared.pending=null;var
l=h,p=l.next;l.next=null>null===g?f=p:g.next=p;g=l;var
r=a.alternate>null!==r&&(r=r.updateQueue,h=r.lastBaseUpdate,h!==(g&&(null===h?r.firstBaseUpdate=p:h.next=p,r
.lastBaseUpdate=l))}if(null!==f){var w=e.baseState;g=0;r=p=l=null;h=f;do{var q=h.lane&-
1073741825,t=q!==(h.lane);if(t?(P&q)===q:(d&q)===q){null!==r&&(r=r.next={lane:0,tag:h.tag,payload:h.payload,\
ncallback:null,next:null});a:{var y=a,B=h;q=b;var N=c;switch(B.tag){case 1:y=B.payload;if("\function"===typeof
y){w=y.call(N,w,q);break a}w=y;break a;case 3:y.flags=y.flags&-65537|128;case
0:y=B.payload;q="\function"===typeof y?y.call(N,w,q):y;if(null===q||void 0===q)break a;w=C({},w,q);break
a;case
2:Qd=!0}q=h.callback>null!==q&&(a.flags|=64,t&&(a.flags|=8192),t=e.callbacks,null===t?e.callbacks=[q]:t.push(
q))}else
t={lane:q,tag:h.tag,payload:h.payload,callback:h.callback,next:null},null===r?(p=r=t,\nl=w):r=r.next=t,g|=q;h=h.ne
xt;if(null===h)if(h=e.shared.pending,null===h)break;else
t=h,h=t.next,t.next=null,e.lastBaseUpdate=t,e.shared.pending=null}while(1);null===r&&(l=w);e.baseState=l;e.first
BaseUpdate=p;e.lastBaseUpdate=r>null===f&&(e.shared.lanes=0);Yd|=g;a.lanes=g;a.memoizedState=w}}function
Zd(a,b){if("\function"!==typeof a)throw Error(u(191,a));a.call(b)}function $d(a,b){var
c=a.callbacks;if(null===c)for(a.callbacks=null,a=0;a<c.length;a++)Zd(c[a],b)}\nfunction
ae(a,b){if(Uc(a,b))return!0;if("\object"!==typeof a||null===a||"\object"!==typeof b||null===b)return!1;var
c=Object.keys(a),d=Object.keys(b);if(c.length!==d.length)return!1;for(d=0;d<c.length;d++){var
e=c[d];if(!Xa.call(b,e)||!Uc(a[e],b[e]))return!1}return!0}var
be=Error(u(460)),ce=Error(u(474)),de={then:function(){}};function
ee(a){a=a.status;return"\fulfilled"===a||"\rejected"===a}function fe(){}\nfunction ge(a,b,c){c=a[c];void
0===c?a.push(b):c!==b&&(b.then(fe,fe),b=c);switch(b.status){case "\fulfilled":return b.value;case
"\rejected":throw b.reason;default:\string"===typeof
b.status?b.then(fe,fe):(a=b,a.status="\pending",a.then(function(d){if("\pending"===b.status){var
e=b;e.status="\fulfilled";e.value=d}},function(d){if("\pending"===b.status){var
e=b;e.status="\rejected";e.reason=d}}));switch(b.status){case "\fulfilled":return b.value;case "\rejected":throw
b.reason;}he=b;throw be;}}var he=null;\nfunction ie(){if(null===he)throw Error(u(459));var a=he;he=null;return
a}var je=null,ke=0;function le(a){var b=ke;ke+=1>null===je&&(je=[]);return ge(je,a,b)}\nfunction
me(a,b,c){a=c.ref;if(null===a&&"\function"!==typeof a&&"\object"!==typeof
a){if(c._owner){c=c._owner;if(c){if(1===c.tag)throw Error(u(309));var d=c.stateNode}if(!d)throw

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Error(u(147,a));var e=d,f="\\"+a;if(null!==(b&&null!==(b.ref&&"function\")==typeof
b.ref&&b.ref._stringRef===f))return b.ref;b=function(g){var h=e.refs;null===g?delete
h[f]:h[f]=g};b._stringRef=f;return b}if("\string\")==typeof a)throw Error(u(284));if(!c._owner)throw
Error(u(290,a));}return a}\nfunction ne(a,b){a=Object.prototype.toString.call(b);throw Error(u(31,"\[object
Object]\")==a?"object with keys {"+Object.keys(b).join(",")+"}\":a));}function oe(a){var b=a._init;return
b(a._payload)}\nfunction pe(a){function b(m,k){if(a){var
n=m.deletions;null===n?(m.deletions=[k],m.flags|=16):n.push(k)}function c(m,k){if(!a)return
null;for(;null!==(k);b(m,k),k=k.sibling;return null}function d(m,k){for(m=new
Map;null!==(k);null!==(k.key?m.set(k.key,k):m.set(k.index,k),k=k.sibling;return m}function
e(m,k){m=qe(m,k);m.index=0;m.sibling=null;return m}function f(m,k,n){m.index=n;if(!a)return
m.flags|=1048576,k=n.m.alternate;if(null!==(n))return
n=n.index,n<k?(m.flags|=33554434,k):n;m.flags|=33554434;return k}\nfunction
g(m){a&&null===m.alternate&&(m.flags|=33554434);return m}function h(m,k,n,v){if(null===k||6!==(k.tag)return
k=re(n,m.mode,v),k.return=m,k;k=e(k,n);k.return=m;return k}function l(m,k,n,v){var x=n.type;if(x===Db)return
r(m,k,n.props.children,v,n.key);if(null!==(k&&(k.elementType===x||"\object\")==typeof
x&&null!==(x&&x.$typeof===Nb&&oe(x)===k.type))return
v=e(k,n.props),v.ref=me(m,k,n),v.return=m,v;v=se(n.type,n.key,n.props,null,m.mode,v);v.ref=me(m,k,n);v.return=
m;return v}function
p(m,k,n,v){if(null===\nk||4!==(k.tag||k.stateNode.containerInfo!==(n.containerInfo||k.stateNode.implementation!==(n.
implementation))return k=te(n,m.mode,v),k.return=m,k;k=e(k,n.children[[]]);k.return=m;return k}function
r(m,k,n,v,x){if(null===k||7!==(k.tag)return k=ue(n,m.mode,v,x),k.return=m,k;k=e(k,n);k.return=m;return k}function
w(m,k,n){if("\string\")==typeof k&&"\!"!==(k||"\number\")==typeof k)return
k=re("\"+k,m.mode,n),k.return=m,k;if("\object\")==typeof k&&null!==(k){switch(k.$typeof){case Ab:return
n=se(k.type,k.key,k.props,\nnull,m.mode,n),n.ref=me(m,null,k),n.return=m,n;case Cb:return
k=te(k,m.mode,n),k.return=m,k;case Nb:var v=k._init;return w(m,v(k._payload),n)}if(lc(k)||Vb(k))return
k=ue(k,m.mode,n,null),k.return=m,k;if("\function\")==typeof k.then)return
w(m,le(k),n);if(k.$typeof===Hb||k.$typeof===Ib)return w(m,ve(m,k,n),n);ne(m,k)}return null}function
q(m,k,n,v){var x=null!==(k?k.key:null);if("\string\")==typeof n&&"\!"!==(n||"\number\")==typeof n)return
null!==(x?null:h(m,k,"\"+n,v));if("\object\")==typeof n&&null!==(n){switch(n.$typeof){case Ab:return
n.key===\nx?(m,k,n,v):null;case Cb:return n.key===x?p(m,k,n,v):null;case Nb:return
x=n._init,q(m,k,x(n._payload),v)}if(lc(n)||Vb(n))return null!==(x?null:r(m,k,n,v,null));if("\function\")==typeof
n.then)return q(m,k,le(n),v);if(n.$typeof===Hb||n.$typeof===Ib)return q(m,k,ve(m,n,v),v);ne(m,n)}return
null}function t(m,k,n,v,x){if("\string\")==typeof v&&"\!"!==(v||"\number\")==typeof v)return
m=m.get(n)||null,h(k,m,"\"+v,x);if("\object\")==typeof v&&null!==(v){switch(v.$typeof){case Ab:return
m=m.get(null===v.key?v.key)||\nnull,l(k,m,v,x);case Cb:return
m=m.get(null===v.key?v.key)||null,p(k,m,v,x);case Nb:var A=v._init;return
t(m,k,n,A(v._payload),x)}if(lc(v)||Vb(v))return m=m.get(n)||null,r(k,m,v,x,null);if("\function\")==typeof
v.then)return t(m,k,n,le(v),x);if(v.$typeof===Hb||v.$typeof===Ib)return t(m,k,n,ve(k,v,x),x);ne(k,v)}return
null}function y(m,k,n,v){for(var
x=null,A=null,z=k,H=k=0,da=null;null!==(z&&H<n.length;H++){z.index>H?(da=z,z=null):da=z.sibling;var
I=q(m,z,n[H],v);if(null===I){null===z&&(z=da);break}a&&\nz&&null===I.alternate&&b(m,z);k=f(I,k,H);null===
=A?x=I:A.sibling=I;A=I;z=da}if(H===n.length)return
c(m,z),K&&dd(m,H),x;if(null===z){for(;H<n.length;H++)z=w(m,n[H],v),null!==(z&&(k=f(z,k,H),null===A?x=z:
A.sibling=z,A=z);K&&dd(m,H);return
x}for(z=d(m,z);H<n.length;H++)da=t(z,m,H,n[H],v),null!==(da&&(a&&null!==(da.alternate&&z.delete(null===da.
key?H:da.key),k=f(da,k,H),null===A?x=da:A.sibling=da,A=da);a&&z.forEach(function(Bb){return
b(m,Bb)});K&&dd(m,H);return x}function B(m,k,n,v){var x=Vb(n);if("\function\!"!==(ntypeof x)throw
Error(u(150));n=x.call(n);if(null===n)throw Error(u(151));for(var

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A=x=null,z=k,H=k=0,da=null,I=n.next();null!==(z&&!I.done;H++,I=n.next()){z.index>H?(da=z,z=null):da=z.siblin
g;var
Bb=q(m,z,I.value,v);if(null===Bb){null===z&&(z=da);break}a&&z&&null===Bb.alternate&&b(m,z);k=f(Bb,k,H
);null===A?x=Bb:A.sibling=Bb;A=Bb;z=da}if(I.done)return
c(m,z),K&&dd(m,H),x;if(null===z){for(;!I.done;H++,I=n.next())I=w(m,I.value,v),null===I&&(k=f(I,k,H),null===
A?x:I.A.sibling=I,A=I);K&&dd(m,H);return
x}for(z=\nd(m,z);!I.done;H++,I=n.next())I=t(z,m,H,I.value,v),null===I&&(a&&null===I.alternate&&z.delete(null=
===I.key?H:I.key),k=f(I,k,H),null===A?x:I.A.sibling=I,A=I);a&&z.forEach(function(pm){return
b(m,pm)});K&&dd(m,H);return x}function N(m,k,n,v){\object\===typeof
n&&null!==n&&n.type===Db&&null===n.key&&(n=n.props.children);if(\object\===typeof
n&&null!==n){switch(n.$typeof){case Ab:a:{for(var
x=n.key,A=k;null===A;){if(A.key===x){x=n.type;if(x===Db){if(7===A.tag){c(m,A.sibling);k=e(A,n.props.childr
en);\nk.return=m;m=k;break a}}else if(A.elementType===x||\object\===typeof
x&&null===x&&x.$typeof===Nb&&oe(x)===A.type){c(m,A.sibling);k=e(A,n.props);k.ref=me(m,A,n);k.return=
m;m=k;break a}c(m,A);break}else
b(m,A);A=A.sibling}n.type===Db?(k=ue(n.props.children,m.mode,v,n.key),k.return=m,m=k):(v=se(n.type,n.key,n.
props,null,m.mode,v),v.ref=me(m,k,n),v.return=m,m=v)}return g(m);case
Cb:a:{for(A=n.key;null!==k;){if(k.key===A)if(4===k.tag&&k.stateNode.containerInfo===n.containerInfo&&k.sta
teNode.implementation===\n.implementation){c(m,k.sibling);k=e(k,n.children||[]);k.return=m;m=k;break
a}else{c(m,k);break}else b(m,k);k=k.sibling}k=te(n,m.mode,v);k.return=m;m=k}return g(m);case Nb:return
A=n._init,O(m,k,A(n._payload,v))if(lc(n))return y(m,k,n,v);if(Vb(n))return B(m,k,n,v);if(\function\===typeof
n.then)return N(m,k,le(n),v);if(n.$typeof===Hb||n.$typeof===Ib)return
N(m,k,ve(m,n,v),v);ne(m,n)}return\string\===typeof n&&\"!===n||\number\===typeof
n?(n="\"+n,null!==k&&6===k.tag?(c(m,k.sibling),k=e(k,n),k.return=\nm,m=k):(c(m,k),k=re(n,m.mode,v),k.return
=m,m=k),g(m)):c(m,k)}function O(m,k,n,v){ke=0;m=N(m,k,n,v);je=null;return m}return O}var
we=pe(!0),xe=pe(!1),ye=ha(null),ze=ha(0);function Ae(a,b){a=Be;E(ze,a);E(ye,b);Be=a|b.baseLanes}function
Ce(){E(ze,Be);E(ye,ye.current)}function De(){Be=ze.current;D(ye);D(ze)}var Ee=ha(null),Fe=null;function
Ge(a){var
b=a.alternate;E(He,He.current&1);E(Ee,a);null===Fe&&(null===b||null!==ye.current?Fe=a:null===b.memoizedSta
te&&(Fe=a))\nfunction Ie(a){if(22===a.tag){if(E(He,He.current),E(Ee,a),null===Fe){var
b=a.alternate;null===b&&null===b.memoizedState&&(Fe=a)}else Je(a)}function
Je(){E(He,He.current);E(Ee,Ee.current)}function Ke(a){D(Ee);Fe===a&&(Fe=null);D(He)}var
He=ha(0);\nfunction Le(a){for(var b=a;null!==b;){if(13===b.tag){var
c=b.memoizedState;if(null===c&&(c=c.dehydrated,null===c||\ "$?"===c.data||\ "$!"===c.data))return b}else
if(19===b.tag&&void 0===b.memoizedProps.revealOrder){if(0!==(b.flags&128))return b}else
if(null===b.child){b.child.return=b;b=b.child;continue}if(b===a)break;for(;null===b.sibling;){if(null===b.return||b.
return===a)return null;b=b.return}b.sibling.return=b.return;b=b.sibling}return null}var Me=[];\nfunction
Ne(){for(var a=0;a<Me.length;a++)Me[a]._workInProgressVersionPrimary=null;Me.length=0}var
Oe=null,Pe=null,Qe=!1,Re=!1,Se=!1,Te=0;function
Ue(a){a!==(Pe&&null===a.next&&(null===Pe?Oe=Pe=a:Pe=Pe.next=a);Re=!0;Qe||(Qe=!0,Ve(We))}\nfunction
Xe(a){if(!Se&&Re){var b=Q,c=P,d=null;Se=!0;do{var e=!1;for(var
f=Oe;null===f;){if(!a||0===f.tag&&0!==(Ma(f,f===b?c:0)&3)}try{e=!0;var g=f;if(0!==(M&6))throw
Error(u(327));Ye();var h=Ma(g,0);if(0!==(h&3)){var l=Ze(g,h);if(0!==(g.tag&&2===l){var
p=h,r=Oa(g,p);0!==(r&&(h=r,l=$e(g,p,r))}if(1===l)throw
p=af,bf(g,0),cf(g,h),Ue(g),p;6===l?cf(g,h):(g.finishedWork=g.current.alternate,g.finishedLanes=h,df(g,ef,ff))Ue(g
)}catch(w){null===d?d=[w]:d.push(w)}f=f.next}}while(e);Se=!1;if(null===d){if(1<\nd.length){if(\function\===ty
peof AggregateError)throw new AggregateError(d);for(a=1;a<d.length;a++)Ve(gf.bind(null,d[a]))}throw
d[0];}}function gf(a){throw a;}function We(){Re=Qe=!1;for(var a=ua(),b=null,c=Oe;null===c;){var

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d=c.next;0!==(Te&&window.event&&"popstate"===window.event.type&&Ua(c,Te|2);var
e=hf(c,a);0===e?(c.next=null,null===b?Oe=d:b.next=d,null===d&&(Pe=b)):b=c,0!==(e&&3)&&(Re=!0));c=d}Te=
0;Xe(!1)}\nfunction hf(a,b){for(var
c=a.suspendedLanes,d=a.pingedLanes,e=a.expirationTimes,f=a.pendingLanes&-125829121;0<f;){var g=31-
Ga(f),h=1<<g,l=e[g];if(-1===l){if(0===(h&c)||0!==(h&d))e[g]=Na(h,b)}else
l<=b&&(a.expiredLanes|~h);f&=~h}b=Q;c=P;c=Ma(a,a===b?c:0);d=a.callbackNode;if(0===c||a===b&&2===R||n
ull!==(a.cancelPendingCommit)return
null!==(d&&null!==(d&&ra(d),a.callbackNode=null,a.callbackPriority=0;if(0!==(c&3))return
null!==(d&&null!==(d&&ra(d),a.callbackPriority=2,a.callbackNode=null,2;b=c&-
c;if(b===\na.callbackPriority)return b;null!==(d&&ra(d);switch(Wa(c)){case 2:c=wa;break;case 8:c=xa;break;case
32:c=ya;break;case
536870912:c=Aa;break;default:c=ya}d=jf.bind(null,a);c=qa(c,d);a.callbackPriority=b;a.callbackNode=c;return
b}function Ve(a){kf(function(){0!==(M&6)?qa(wa,a):a()})}function If(){0===Te&&(Te=Pa());return Te}var
mf=null;\nfunction nf(a){if(null!==(a&&"object"===typeof a&&"function"===typeof a.then){if(null===mf){var
b={lane:lf(),listeners:[],count:0,status:"pending",value:!1,reason:void
0,then:function(d){b.listeners.push(d)};of(a,b);return mf=b}var c=mf;of(a,c);return c}return
null===mf?!1:mf}function of(a,b){b.count++;a.then(function(){0===--
b.count&&(b.status="fulfilled",pf(b)),function(c){0===--
b.count&&(b.status="rejected",b.reason=c,pf(b))});return b}\nfunction pf(a){mf===a&&(mf=null);var
b=a.listeners;a.listeners=[];for(a=0;a<b.length;a++)(0,b[a])(!1)}var
qf=Ba.ReactCurrentDispatcher,rf=Ba.ReactCurrentBatchConfig,sf=0,S=null,T=null,U=null,tf=!1,uf=!1,vf=!1,wf=0,
xf=0,yf=null,zf=0;function V(){throw Error(u(321));}function Af(a,b){if(null===b)return !1;for(var
c=0;c<b.length&&c<a.length;c++)if(!Uc(a[c],b[c]))return !1;return !0}\nfunction
Bf(a,b,c,d,e,f){sf=f;S=b;b.memoizedState=null;b.updateQueue=null;b.lanes=0;qf.current=null===a||null===a.memo
izedState?Cf:Df;vf=!1;a=c(d,e);vf=!1;uf&&(a=Ef(b,c,d,e));Ff();return a}function Ff(){qf.current=Gf;var
a=null!==(T&&null!==(T.next);sf=0;U=T=S=null;tf=!1;xf=0;yf=null;if(a)throw Error(u(300));}function
Ef(a,b,c,d){var e=0;do{uf&&(yf=null);xf=0;uf=!1;if(25<=e)throw
Error(u(301));e+=1;U=T=null;a.updateQueue=null;qf.current=Hf;var f=b(c,d)}while(uf);return f}\nfunction If(){var
a=0!==(wf);wf=0;return a}function Jf(a,b,c){b.updateQueue=a.updateQueue;b.flags&=-2053;a.lanes&=~c}function
Kf(){if(tf){for(var a=S.memoizedState;null!==(a;){var
b=a.queue;null!==(b&&(b.pending=null);a=a.next}tf=!1}sf=0;U=T=S=null;uf=!1;xf=wf=0;yf=null}function
Lf(){var
a={memoizedState:null,baseState:null,baseQueue:null,queue:null,next:null};null===U?S.memoizedState=U=a:U=
U.next=a;return U}\nfunction Mf(){if(null===T){var a=S.alternate;a=null!==(a?a.memoizedState:null)}else
a=T.next;var
b=null===U?S.memoizedState:U.next;if(null!==(b)U=b,T=a;else{if(null===a){if(null===S.alternate)throw
Error(u(467));throw
Error(u(310));}T=a;a={memoizedState:T.memoizedState,baseState:T.baseState,baseQueue:T.baseQueue,queue:T.q
ueue,next:null};null===U?S.memoizedState=U=a:U=U.next=a}return U}var
Nf;Nf=function(){return {lastEffect:null,events:null,stores:null,memoCache:null}};\nfunction Of(a){var
b=xf;xf+=1;null===yf&&(yf=[]);a=ge(yf,a,b);null===S.alternate&&(null===U?null===S.memoizedState:null===
U.next)&&(qf.current=Cf);return a}function Pf(a){if(null!==(a&&"object"===typeof a){if("function"===typeof
a.then)return Of(a);if(a.$$typeof===Hb||a.$$typeof===Ib)return Qf(a)}throw Error(u(438,String(a)));}\nfunction
Rf(a){var b=null,c=S.updateQueue;null!==(c&&(b=c.memoCache);if(null===b){var
d=S.alternate;null!==(d&&(d=d.updateQueue,null!==(d&&(d=d.memoCache,null!==(d&&(b={data:d.data.map(funcio
n(e){return
e.slice()}),index:0))))}null==b&&(b={data:[],index:0});null===c&&(c=Nf(),S.updateQueue=c);c.memoCache=b;c
=b.data[b.index];if(void 0===c)for(c=b.data[b.index]=Array(a),d=0;d<a;d++)c[d]=Tb;b.index++;return c}function

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Sf(a,b){return"function\")==typeof b?b(a):b}\nfunction Tf(a){var b=Mf(),c=b.queue;if(null===c)throw
Error(u(311));c.lastRenderedReducer=a;var d=T,e=d.baseQueue,f=c.pending;if(null!==f){if(null!==e){var
g=e.next;e.next=f.next;f.next=g}d.baseQueue=e=f;c.pending=null}if(null!==e){f=e.next;d=d.baseState;var
h=g=null,l=null,p=f;do{var r=p.lane&-
1073741825;if(r!==p.lane?(P&r)===r:(sf&r)===r)null!==l&&(l=l.next={lane:0,action:p.action,hasEagerState:p.has
EagerState,eagerState:p.eagerState,next:null}),r=p.action,vf&&a(d,r),d=p.hasEagerState?p.eagerState:\na(d,r);else{
var
w={lane:r,action:p.action,hasEagerState:p.hasEagerState,eagerState:p.eagerState,next:null};null===l?(h=l=w,g=d):l
=l.next=w;S.lanes|=r;Yd|=r}p=p.next}while(null!==p&&p!==f);null===l?g=d:l.next=h;Uc(d,b.memoizedState)|(Uf
=!0);b.memoizedState=d;b.baseState=g;b.baseQueue=l;c.lastRenderedState=d}null===e&&(c.lanes=0);return[b.me
memoizedState,c.dispatch]}\nfunction Vf(a){var b=Mf(),c=b.queue;if(null===c)throw
Error(u(311));c.lastRenderedReducer=a;var
d=c.dispatch,e=c.pending,f=b.memoizedState;if(null!==e){c.pending=null;var g=e=e.next;do
f=a(f,g.action),g=g.next;while(g!==e);Uc(f,b.memoizedState)|(Uf=!0);b.memoizedState=f;null===b.baseQueue&&
(b.baseState=f);c.lastRenderedState=f}return[f,d]}function Wf(){}\nfunction Xf(a,b){var
c=S,d=Mf(),e=b(),f=!Uc((T|d).memoizedState,e);f&&(d.memoizedState=e,Uf=!0);d=d.queue;Yf(Zf.bind(null,c,d,a)
,[a]);if(d.getSnapshot!==b||f||null===U&&U.memoizedState.tag&1){c.flags|=2048;$f(9,ag.bind(null,c,d,e,b),{destro
y:void 0},null);if(null===Q)throw Error(u(349));0!==(sf&60)||bg(c,b,e)}return e}function
bg(a,b,c){a.flags|=16384;a={getSnapshot:b,value:c};b=S.updateQueue;null===b?(b=Nf(),S.updateQueue=b,b.stores
=[a]):(c=b.stores,null===c?b.stores=[a]:c.push(a))}\nfunction
ag(a,b,c,d){b.value=c;b.getSnapshot=d;cg(b)&&dg(a)}function Zf(a,b,c){return
c(function(){cg(b)&&dg(a)})}function cg(a){var b=a.getSnapshot;a=a.value;try{var
c=b();return!Uc(a,c)}catch(d){return!0}}function dg(a){var b=Md(a,2);null!==b&&eg(b,a,2)}function fg(a){var
b=Lf();\nfunction\")==typeof
a&&(a=a());b.memoizedState=b.baseState=a;a={pending:null,lanes:0,dispatch:null,lastRenderedReducer:Sf,lastRen
deredState:a};b.queue=a;a.a.dispatch=gg.bind(null,S,a);return[b.memoizedState,a]}\nfunction
$f(a,b,c,d){a={tag:a,create:b,inst:c,deps:d,next:null};b=S.updateQueue;null===b?(b=Nf(),S.updateQueue=b,b.lastEf
fect=a.next=a):(c=b.lastEffect,null===c?b.lastEffect=a.next=a:(d=c.next,c.next=a,a.next=d,b.lastEffect=a));return
a}function hg(){return Mf().memoizedState}function ig(a,b,c,d){var
e=Lf();S.flags|=a;e.memoizedState=$f(1|b,c,{destroy:void 0},void 0===d?null:d)}\nfunction jg(a,b,c,d){var
e=Mf();d=void 0===d?null:d;var
f=e.memoizedState.inst;null!==T&&null!==d&&Af(d,T.memoizedState.deps)?e.memoizedState=$f(b,c,f,d):(S.flag
s|=a,e.memoizedState=$f(1|b,c,f,d))}function kg(a,b){ig(8390656,8,a,b)}function Yf(a,b){jg(2048,8,a,b)}function
lg(a){S.flags|=4;var b=S.updateQueue;if(null===b)b=Nf(),S.updateQueue=b,b.events=[a];else{var
c=b.events;null===c?b.events=[a]:c.push(a)}\nfunction mg(a){var
b=Mf().memoizedState;lg({ref:b,nextImpl:a});return function(){if(0!==(M&2))throw Error(u(440));return
b.impl.apply(void 0,arguments)} }function ng(a,b){return jg(4,2,a,b)}function og(a,b){return jg(4,4,a,b)}function
pg(a,b){if(\nfunction\")==typeof b)return a=a(),b(a),function(){b(null)};if(null!==b&&void 0!==(b)return
a=a(),b.current=a,function(){b.current=null} }function qg(a,b,c){c=null===c&&void
0!==(c?c.concat([a]):null);jg(4,4,pg.bind(null,b,a),c)}function rg(){ }\nfunction sg(a,b){var c=Mf();b=void
0===b?null:b;var d=c.memoizedState;if(null!==b&&Af(b,d[1]))return d[0];c.memoizedState=[a,b];return
a}function tg(a,b){var c=Mf();b=void 0===b?null:b;var d=c.memoizedState;if(null!==b&&Af(b,d[1]))return
d[0];vf&&a();a=a();c.memoizedState=[a,b];return a}function ug(a,b,c){if(0===(sf&42))return
a.baseState&&(a.baseState=!1,Uf=!0),a.memoizedState=c;Uc(c,b)|(c=Pa(),S.lanes|=c,Yd|=c,a.baseState=!0);return
b}\nfunction vg(a,b){var c=F;F=0!==(c&&8>c?c:8;var
d=rf.transition;rf.transition=null;a(!0);rf.transition={};try{var
e=b(),f=nf(e);a(f)}catch(g){a({then:function(){},status:"rejected",reason:g})}finally{F=c,rf.transition=d} }function
wg(){return Mf().memoizedState}function xg(){return Mf().memoizedState}\nfunction yg(a,b,c){for(var

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d=a.return;null!==(d);{switch(d.tag){case 24:case 3:var e=zg(d);a=Td(e);var
f=Ud(d,a,e);null!==(f&&(eg(f,d,e),Vd(f,d,e));d=Ag();null!==(b&&void
0!==(b&&null!==(f&&d.data.set(b,c);a.payload={cache:d};return }d=d.return }function Bg(a,b,c){ var
d=zg(a);c={lane:d,action:c,hasEagerState:!1,eagerState:null,next:null};Cg(a)?Dg(b,c):(Ld(a,b,c,d),c=Nd(a),null!==(c
&&(eg(c,a,d),Eg(c,b,d)))}\nfunction gg(a,b,c){ var
d=zg(a),e={lane:d,action:c,hasEagerState:!1,eagerState:null,next:null};if(Cg(a))Dg(b,e);else{ var
f=a.alternate;if(0===a.lanes&&(null===f||0===f.lanes)&&(f=b.lastRenderedReducer,null!==(f))try{ var
g=b.lastRenderedState,h=f(g,c);e.hasEagerState=!0;e.eagerState=h;if(Uc(h,g)){Ld(a,b,e,0);null===Q&&Jd();return
}}catch(l){}finally{Ld(a,b,e,d);c=Nd(a);null!==(c&&(eg(c,a,d),Eg(c,b,d)))}}function Cg(a){ var b=a.alternate;return
a===S||null!==(b&&b===S)\nfunction Dg(a,b){uf=tf=!0;var
c=a.pending;null===c?b.next=b:(b.next=c.next,c.next=b);a.pending=b}function
Eg(a,b,c){if(0==(c&8388480)){ var d=b.lanes;d&=a.pendingLanes;c|=d;b.lanes=c;Ua(a,c)} var
Gf={readContext:Qf,useCallback:V,useContext:V,useEffect:V,useImperativeHandle:V,useInsertionEffect:V,useLay
outEffect:V,useMemo:V,useReducer:V,useRef:V,useState:V,useDebugValue:V,useDeferredValue:V,useTransition:
V,useMutableSource:V,useSyncExternalStore:V,useId:V};Gf.useCacheRefresh=V;Gf.use=V;\nGf.useMemoCache=
V;Gf.useEffectEvent=V;\nvar Cf={readContext:Qf,useCallback:function(a,b){Lf().memoizedState=[a,void
0===b?null:b];return a},useContext:Qf,useEffect:kg,useImperativeHandle:function(a,b,c){c=null!==(c&&void
0!==(c?c.concat([a]):null);ig(4194308,4,pg.bind(null,b,a),c)},useLayoutEffect:function(a,b){return
ig(4194308,4,a,b)},useInsertionEffect:function(a,b){ig(4,2,a,b)},useMemo:function(a,b){ var c=Lf();b=void
0===b?null:b;vf&&a();a=a();c.memoizedState=[a,b];return a},useReducer:function(a,b,c){ var d=Lf();b=void
0!==(c?c(b):b;d.memoizedState=\nd.baseState=b;a={ pending:null,lanes:0,dispatch:null,lastRenderedReducer:a,lastR
enderedState:b};d.queue=a;a=a.dispatch=Bg.bind(null,S,a);return[d.memoizedState,a]},useRef:function(a){ var
b=Lf();a={ current:a };return
b.memoizedState=a},useState:fg,useDebugValue:rg,useDeferredValue:function(a){ return
Lf().memoizedState=a},useTransition:function(){ var
a=fg(!1)[1];a=vg.bind(null,a);Lf().memoizedState=a;return[!1,a]},useMutableSource:function(){},useSyncExternal
Store:function(a,b,c){ var d=S,e=Lf();if(K){if(void 0===\nc)throw
Error(u(407));c=c()}else{c=b();if(null===Q)throw Error(u(349));0!==(sf&60)||bg(d,b,c)}e.memoizedState=c;var
f={ value:c,getSnapshot:b};e.queue=f;kg(Zf.bind(null,d,f,a),[a]);d.flags|=2048;$f(9,ag.bind(null,d,f,c,b),{ destroy:voi
d 0},null);return c},useId:function(){ var a=Lf(),b=Q.identifierPrefix;if(K){ var c=cd;var d=bd;c=(d&~(1<<32-
Ga(d)-1)).toString(32)+c;b="\":"+b+"\R"+c;c=wf++;0<c&&(b+="\H"+c.toString(32));b+="\":"}else
c=zf++;b="\":"+b+"\r"+c.toString(32)+"\":";return a.memoizedState=b},useCacheRefresh:function(){ return
Lf().memoizedState=\nyg.bind(null,S)};Cf.use=Pf;Cf.useMemoCache=Rf;Cf.useEffectEvent=function(a){ var
b=Lf(),c={ impl:a };b.memoizedState=c;return function(){ if(0!==(M&2))throw Error(u(440));return
c.impl.apply(void 0,arguments)};}\nvar
Df={readContext:Qf,useCallback:sg,useContext:Qf,useEffect:Yf,useImperativeHandle:qg,useInsertionEffect:ng,use
LayoutEffect:og,useMemo:tg,useReducer:Tf,useRef:hg,useState:function(){ return
Tf(Sf)},useDebugValue:rg,useDeferredValue:function(a){ var b=Mf();return
ug(b,T.memoizedState,a)},useTransition:function(){ var
a=Tf(Sf)[0],b=Mf().memoizedState;return["boolean"===typeof
a?a:Of(a,b)},useMutableSource:Wf,useSyncExternalStore:Xf,useId:wg};Df.useCacheRefresh=xg;Df.useMemoCac
he=Rf;Df.use=Pf;\nDf.useEffectEvent=mg;var
Hf={readContext:Qf,useCallback:sg,useContext:Qf,useEffect:Yf,useImperativeHandle:qg,useInsertionEffect:ng,use
LayoutEffect:og,useMemo:tg,useReducer:Vf,useRef:hg,useState:function(){ return
Vf(Sf)},useDebugValue:rg,useDeferredValue:function(a){ var b=Mf();return
null===T?b.memoizedState=a:ug(b,T.memoizedState,a)},useTransition:function(){ var
a=Vf(Sf)[0],b=Mf().memoizedState;return["boolean"===typeof
a?a:Of(a,b)},useMutableSource:Wf,useSyncExternalStore:Xf,useId:wg};\nHf.useCacheRefresh=xg;Hf.use=Pf;Hf.u

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seMemoCache=Rf;Hf.useEffectEvent=mg;function
Fg(a,b){if(a&&{defaultProps}){b=C({},b);a=a.defaultProps;for(var c in a)void 0===b[c]&&(b[c]=a[c]);return
b}return b}function Gg(a,b,c,d){b=a.memoizedState;c=c(d,b);c=null===c||void
0===c?b:C({},b,c);a.memoizedState=c;0===a.lanes&&(a.updateQueue.baseState=c)}\nvar
Hg={isMounted:function(a){return(a=a._reactInternals)?Cc(a)===a:!1},enqueueSetState:function(a,b,c){a=a._react
Internals;var d=zg(a),e=Td(d);e.payload=b;void
0!==c&&null!==c&&(e.callback=c);b=Ud(a,e,d);null!==b&&(eg(b,a,d),Vd(b,a,d))},enqueueReplaceState:function(
a,b,c){a=a._reactInternals;var d=zg(a),e=Td(d);e.tag=1;e.payload=b;void
0!==c&&null!==c&&(e.callback=c);b=Ud(a,e,d);null!==b&&(eg(b,a,d),Vd(b,a,d))},enqueueForceUpdate:function(
a,b){a=a._reactInternals;var c=zg(a),d=Td(c);d.tag=2;void
0!==\n&&null!==b&&(d.callback=b);b=Ud(a,d,c);null!==b&&(eg(b,a,c),Vd(b,a,c))}};function
Ig(a,b,c,d,e,f,g){a=a.stateNode;return"function"===typeof
a.shouldComponentUpdate?a.shouldComponentUpdate(d,f,g):b.prototype&&b.prototype.isPureReactComponent?!a
e(c,d)||!ae(e,f):!0}\nfunction Jg(a,b,c){var d=!1,e=Ic;var f=b.contextType;"object"===typeof
f&&null!==f?f=Qf(f):(e=Nc(b)?Lc:Jc.current,d=b.contextTypes,f=(d=null!==(d&&void 0!==(d)?Mc(a,e):Ic);b=new
b(c,f);a.memoizedState=null!==(b.state&&void
0!==(b.state?b.state:null);b.updater=Hg;a.stateNode=b;b._reactInternals=a;d&&(a=a.stateNode,a.__reactInternalMem
oizedUnmaskedChildContext=e,a.__reactInternalMemoizedMaskedChildContext=f);return b)\nfunction
Kg(a,b,c,d){a=b.state;"function"===typeof
b.componentWillReceiveProps&&b.componentWillReceiveProps(c,d);"function"===typeof
b.UNSAFE_componentWillReceiveProps&&b.UNSAFE_componentWillReceiveProps(c,d);b.state!==(a&&Hg.enq
ueueReplaceState(b,b.state,null))\nfunction Lg(a,b,c,d){var
e=a.stateNode;e.props=c;e.state=a.memoizedState;e.refs={};Rd(a);var f=b.contextType;"object"===typeof
f&&null!==f?f=e.context=Qf(f):(f=Nc(b)?Lc:Jc.current,e.context=Mc(a,f));e.state=a.memoizedState;f=b.getDerivedSt
ateFromProps;"function"===typeof f&&(Gg(a,b,f,c),e.state=a.memoizedState);"function"===typeof
b.getDerivedStateFromProps||"function"===typeof e.getSnapshotBeforeUpdate||"function"!==(typeof
e.UNSAFE_componentWillMount&&"function"!==(typeof
e.componentWillMount||(b=e.state,\n"function"===typeof
e.componentWillMount&&e.componentWillMount()),"function"===typeof
e.UNSAFE_componentWillMount&&e.UNSAFE_componentWillMount(),b!==(e.state&&Hg.enqueueReplaceState
(e,e.state,null),Xd(a,c,e,d),e.state=a.memoizedState);"function"===typeof
e.componentDidMount&&(a.flags|=4194308)}function Mg(a,b){try{var c=""",d=b;do
c+=$b(d),d=d.return;while(d);var e=c}catch(f){e=""\nError generating stack:
"+f.message+"\n"+f.stack}return{value:a,source:b,stack:e,digest:null}}\nfunction
Ng(a,b,c){return{value:a,source:null,stack:null!==(c?c:null,digest:null!==(b?b:null)}}function
Og(a,b){try{console.error(b.value)}catch(c){setTimeout(function(){throw c;}})}function
Pg(a,b,c){c=Td(c);c.tag=3;c.payload={element:null};var
d=b.value;c.callback=function(){Qg||(Qg=!0,Rg=d);Og(a,b)};return c}\nfunction Sg(a,b,c){c=Td(c);c.tag=3;var
d=a.type.getDerivedStateFromError;if("function"===typeof d){var e=b.value;c.payload=function(){return
d(e)};c.callback=function(){Og(a,b)}}var f=a.stateNode;null!==f&&"function"===typeof
f.componentDidCatch&&(c.callback=function(){Og(a,b);"function"!==(typeof d&&(null===Tg?Tg=new
Set([this]):Tg.add(this));var
g=b.stack;this.componentDidCatch(b.value,{componentStack:null!==(g?g:"")});return c}\nfunction
Ug(a,b,c,d,e){if(0===(a.mode&1))return a===b?a.flags|=65536:(a.flags|=128,c.flags|=131072,c.flags&=
52805,1===c.tag&&(null===c.alternate?c.tag=17:(b=Td(2),b.tag=2,Ud(c,b,2))),c.lanes|=2),a;a.flags|=65536;a.lanes
=e;return a}var Vg=Ba.ReactCurrentOwner,Wg=Error(u(461)),Uf=!1;function
Xg(a,b,c,d){b.child=null===a?xe(b,null,c,d):we(b,a.child,c,d)}\nfunction Yg(a,b,c,d,e){c=c.render;var
f=b.ref;Zg(b,e);d=Bf(a,b,c,d,f,e);c=If();if(null!==(a&&!Uf)return

```

```

Jf(a,b,e),$g(a,b,e);K&&c&&fd(b);b.flags|=1;Xg(a,b,d,e);return b.child}\nfunction ah(a,b,c,d,e){if(null===a){var
f=c.type;if("\function"===typeof f&&!bh(f)&&void 0===f.defaultProps&&null===c.compare&&void
0===c.defaultProps)return
b.tag=15,b.type=f,ch(a,b,f,d,e);a=se(c.type,null,d,b,b.mode,e);a.ref=b.ref;a.return=b;return
b.child=a}f=a.child;if(0===(a.lanes&e)){var
g=f.memoizedProps;c=c.compare;c=null!==c?c:ae;if(c(g,d)&&a.ref===b.ref)return
$g(a,b,e)}b.flags|=1;a=qe(f,d);a.ref=b.ref;a.return=b;return b.child=a}\nfunction ch(a,b,c,d,e){if(null!==a){var
f=a.memoizedProps;if(ae(f,d)&&a.ref===b.ref)if(Uf=!1,b.pendingProps=d=f,0!==(a.lanes&e))0!==(a.flags&13107
2)&&(Uf=!0);else return b.lanes=a.lanes,$g(a,b,e)}return dh(a,b,c,d,e)}\nfunction eh(a,b,c){var
d=b.pendingProps,e=d.children,f=0!==(b.stateNode._pendingVisibility&2),g=null!==a?a.memoizedState:null;fh(a,b
);if("\hidden"===d.mode||f){if(0!==(b.flags&128)){c=null!==g?g.baseLanes|c:c;if(null!==a){d=b.child=a.child;for
(e=0;null!==d;e=e|d.lanes|d.childLanes,d=d.sibling;b.childLanes=e&~c}else b.childLanes=0,b.child=null;return
gh(a,b,c)}if(0===(b.mode&1))b.memoizedState={baseLanes:0,cachePool:null},null!==a&&hh(b,null),Ce(),Ie(b);el
se
if(0!==(c&1073741824))b.memoizedState={baseLanes:0,\ncachePool:null},null!==a&&hh(b,null!==(g?g.cachePool
:null),null!==(g?Ae(b,g):Ce()),Ie(b);else return
b.lanes=b.childLanes=1073741824,gh(a,b,null!==(g?g.baseLanes|c:c)}else
null!==(g?(hh(b,g.cachePool),Ae(b,g),Je(b),b.memoizedState=null):(null!==a&&hh(b,null),Ce(),Je(b));Xg(a,b,e,c);re
turn b.child}function gh(a,b,c){var
d=ih();d=null===d?null:{parent:W._currentValue,pool:d};b.memoizedState={baseLanes:c,cachePool:d};null!==a&&
&hh(b,null);Ce();Ie(b);return null}\nfunction fh(a,b){var
c=b.ref;if(null===a&&null===c||null===a&&a.ref!==c)b.flags|=512,b.flags|=2097152}function dh(a,b,c,d,e){var
f=Nc(c)?Lc:Jc.current;f=Mc(b,f);Zg(b,e);c=Bf(a,b,c,d,f,e);d=If();if(null!==a&&!Uf)return
Jf(a,b,e),$g(a,b,e);K&&d&&fd(b);b.flags|=1;Xg(a,b,c,e);return b.child}function
jh(a,b,c,d,e,f){Zg(b,f);c=Ef(b,d,c,e);Ff();d=If();if(null!==a&&!Uf)return
Jf(a,b,f),$g(a,b,f);K&&d&&fd(b);b.flags|=1;Xg(a,b,c,f);return b.child}\nfunction kh(a,b,c,d,e){if(Nc(c)){var
f=!0;Rc(b)}else f=!1;Zg(b,e);if(null===b.stateNode)lh(a,b),Jg(b,c,d),Lg(b,c,d,e),d=!0;else if(null===a){var
g=b.stateNode,h=b.memoizedProps;g.props=h;var l=g.context,p=c.contextType;"object"===typeof
p&&null!==p?p=Qf(p):(p=Nc(c)?Lc:Jc.current,p=Mc(b,p));var
r=c.getDerivedStateFromProps,w="\function"===typeof r||"\function"===typeof
g.getSnapshotBeforeUpdate;w||"\function"!==typeof
g.UNSAFE_componentWillReceiveProps&&"\function"!==typeof
g.componentWillReceiveProps||n(h!==(d||l!==(p))&&Kg(b,g,d,p);Qd=!1;var
q=b.memoizedState;g.state=q;Xd(b,d,g,e);l=b.memoizedState;h!==(d||q!==(l)||Kc.current||Qd?("\function"===typeof
r&&(Gg(b,c,r,d),l=b.memoizedState),(h=Qd||Ig(b,c,h,d,q,l,p))?(w||"\function"!==typeof
g.UNSAFE_componentWillMount&&"\function"!==typeof g.componentWillMount|("\function"===typeof
g.componentWillMount&&g.componentWillMount()),"\function"===typeof
g.UNSAFE_componentWillMount&&g.UNSAFE_componentWillMount()),"\function"===typeof
g.componentDidMount&&(b.flags|=4194308));n("\function"===typeof
g.componentDidMount&&(b.flags|=4194308),b.memoizedProps=d,b.memoizedState=l),g.props=d,g.state=l,g.conte
xt=p,d=h):("\function"===typeof
g.componentDidMount&&(b.flags|=4194308),d=!1)}else {g=b.stateNode;Sd(a,b);h=b.memoizedProps;p=b.type===
b.elementType?h:Fg(b.type,h);g.props=p;w=b.pendingProps;q=g.context;l=c.contextType;"object"===typeof
l&&null!==l?l=Qf(l):(l=Nc(c)?Lc:Jc.current,l=Mc(b,l));var
t=c.getDerivedStateFromProps;(r="\function"===typeof t||"\function"===typeof
g.getSnapshotBeforeUpdate)||n("\function"!==typeof
g.UNSAFE_componentWillReceiveProps&&"\function"!==typeof
g.componentWillReceiveProps||h!==(w||q!==(l))&&Kg(b,g,d,l);Qd=!1;q=b.memoizedState;g.state=q;Xd(b,d,g,e);var

```



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y=b.memoizedState;h!==(w||q!==(y||Kc.current||Qd?(\function\===typeof
t&&(Gg(b,c,t,d),y=b.memoizedState),(p=Qd||Ig(b,c,p,d,q,y,l)||1)?(r||\function\!==(typeof
g.UNSAFE_componentWillUpdate&&\function\!==(typeof g.componentWillUpdate||(\function\===typeof
g.componentWillUpdate&&g.componentWillUpdate(d,y,l),\function\===typeof
g.UNSAFE_componentWillUpdate&&ng.UNSAFE_componentWillUpdate(d,y,l),\function\===typeof
g.componentDidUpdate&&(b.flags|=4),\function\===typeof
g.getSnapshotBeforeUpdate&&(b.flags|=1024)):(\function\!==(typeof
g.componentDidUpdate||h===a.memoizedProps&&q===a.memoizedState||(b.flags|=4),\function\!==(typeof
g.getSnapshotBeforeUpdate||h===a.memoizedProps&&q===a.memoizedState||(b.flags|=1024),b.memoizedProps=d
,b.memoizedState=y),g.props=d,g.state=y,g.context=l,d=p):(\function\!==(typeof
g.componentDidUpdate||h===a.memoizedProps&&q===\na.memoizedState||(b.flags|=4),\function\!==(typeof
g.getSnapshotBeforeUpdate||h===a.memoizedProps&&q===a.memoizedState||(b.flags|=1024),d=!1)}return
mh(a,b,c,d,f,e)}\nfunction mh(a,b,c,d,e,f){fh(a,b);var g=0!==(b.flags&128);if(!d&&!g)return
e&&Sc(b,c,!1),$g(a,b,f);d=b.stateNode;Vg.current=b;var h=g&&\function\!==(typeof
c.getDerivedStateFromError?null:d.render());b.flags|=1;null!==(a&&g?(b.child=we(b,a.child,null,f),b.child=we(b,nul
l,h,f)):Xg(a,b,h,f);b.memoizedState=d.state;e&&Sc(b,c,!0);return b.child}function nh(a){var
b=a.stateNode;b.pendingContext?Pc(a,b.pendingContext,b.pendingContext!==(b.context):b.context&&Pc(a,b.contex
t,!1);la(a,b.containerInfo)}\nfunction oh(a,b,c,d,e){Ed();Fd(e);b.flags|=256;Xg(a,b,c,d);return b.child}var
ph={dehydrated:null,treeContext:null,retryLane:0};function qh(a){return{baseLanes:a,cachePool:rh()}}\nfunction
sh(a,b,c){var
d=b.pendingProps,e=!1,f=0!==(b.flags&128),g;(g=f)||((g=null!==(a&&null===a.memoizedState?!1:0!==(He.current
&2));g&&(e=!0,b.flags&=
129);if(null===a){if(K){e?Ge(b):Je(b);K&&((a=J.id&&vd(),f=J.f)?pd(b,f)||((qd(b)&&rd()),J=nd(f.nextSibling),g=G,i
d&&vd(),J&&pd(b,J)?jd(g,f):(ld(G,b),K=!1,G=b,J=a)):((qd(b)&&rd()),ld(G,b),K=!1,G=b,J=a));a=b.memoizedState;if
(null!==(a&&(a=a.dehydrated,null!==(a)))return
0===(b.mode&1)?b.lanes=2:"$!\n"===a.data?b.lanes=16:b.lanes=1073741824,null;Ke(b)}a=d.children;\nf=d.fallbac
k;if(e)return Je(b),a=th(b,a,f,c),b.child.memoizedState=qh(c),b.memoizedState=ph,a;if(\number\===typeof
d.unstable_expectedLoadTime)return
Je(b),a=th(b,a,f,c),b.child.memoizedState=qh(c),b.memoizedState=ph,b.lanes=8388608,a;Ge(b);return
uh(b,a)}g=a.memoizedState;if(null!==(g){var h=g.dehydrated;if(null!==(h)return
vh(a,b,f,d,h,g,c)}if(e){Je(b);e=d.fallback;f=b.mode;g=a.child;h=g.sibling;var
l={mode:"hidden",children:d.children};0===(f&1)&&b.child!==(g?(d=b.child,d.childLanes=0,d.pendingProps=\nl,
b.deletions=null):(d=qe(g,l),d.subtreeFlags=g.subtreeFlags&31457280);null!==(h?e=qe(h,e):(e=ue(e,f,c,null),e.flags|
=2);e.return=b;d.return=b;d.sibling=e;b.child=d;d=e;e=b.child;f=a.child.memoizedState;null===f?f=qh(c):(g=f.cach
ePool,null!==(g?(h=W._currentValue,g=g.parent!==(h)?{parent:h,pool:h}:g):g=rh(),f={baseLanes:f.baseLanes|c,cache
Pool:g});e.memoizedState=f;e.childLanes=a.childLanes&~c;b.memoizedState=ph;return
d}Ge(b);e=a.child;a=e.sibling;d=qe(e,{mode:"visible",children:d.children});0===(b.mode&\n1)&&(d.lanes=c);d.r
eturn=b;d.sibling=null;null!==(a&&(c=b.deletions,null===c?(b.deletions=[a],b.flags|=16):c.push(a));b.child=d;b.me
memoizedState=null;return d}function uh(a,b){b=wh({mode:"visible",children:b},a.mode,0,null);b.return=a;return
a.child=b}function th(a,b,c,d){var
e=a.mode,f=a.child;b={mode:"hidden",children:b};0===(e&1)&&null!==(f?(f.childLanes=0,f.pendingProps=b):f=
wh(b,e,0,null);c=ue(c,e,d,null);f.return=a;c.return=a;f.sibling=c;a.child=f;return c}\nfunction
xh(a,b,c,d){null!==(d&&Fd(d);we(b,a.child,null,c);a=uh(b,b.pendingProps.children);a.flags|=2;b.memoizedState=nu
ll;return a}\nfunction vh(a,b,c,d,e,f,g){if(c){if(b.flags&256)return Ge(b),b.flags&=
257,f=Ng(Error(u(422))),xh(a,b,g,f);if(null!==(b.memoizedState)return
Je(b),b.child=a.child,b.flags|=128,null;Je(b);f=d.fallback;e=b.mode;d=wh({mode:"visible",children:d.children},e,0
,null);f=ue(f,e,g,null);f.flags|=2;d.return=b;f.return=b;d.sibling=f;b.child=d;0!==(b.mode&1)&&we(b,a.child,null,g)
;b.child.memoizedState=qh(g);b.memoizedState=ph;return f}Ge(b);if(0===(b.mode&1))return

```

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xh(a,b,g,null);if("$!"===e.data){f=e.nextSibling&&\ne.nextSibling.dataset;if(f)var
h=f.dgst;f=h;d=Error(u(419));d.digest=f;f=Ng(d,f,void 0);return
xh(a,b,g,f)}h=0!==(g&a.childLanes);if(Uf|h){d=Q;if(null!==(d&e=g&-g;if(0!==(e&42))e=1;else switch(e){case
2:e=1;break;case 8:e=4;break;case 32:e=16;break;case 128:case 256:case 512:case 1024:case 2048:case 4096:case
8192:case 16384:case 32768:case 65536:case 131072:case 262144:case 524288:case 1048576:case 2097152:case
4194304:case 8388608:case 16777216:case 33554432:case 67108864:e=64;break;case
536870912:e=\n268435456;break;default:e=0}e=0!==(e&(d.suspendedLanes|g))?0:e;if(0!==(e&&e!==(f.retryLane)th
row f.retryLane=e,Md(a,e),eg(d,a,e),Wg;)}yh();return xh(a,b,g,null)}if("$?"===e.data)return
b.flags|=128,b.child=a.child,b=zh.bind(null,a),e._reactRetry=b,null;a=f.treeContext;J=nd(e.nextSibling);G=b;K=!0;
hd=null;id=!1,null!==(a&&(Zc[$c++]=bd,Zc[$c++]=cd,Zc[$c++]=ad,bd=a.id,cd=a.overflow,ad=b);b=uh(b,d.childre
n);b.flags|=4096;return b}\nfunction Ah(a,b,c){a.lanes|=b;var
d=a.alternate;null!==(d&&(d.lanes|=b));Bh(a.return,b,c)}function Ch(a,b,c,d,e){var
f=a.memoizedState;null===f?a.memoizedState={isBackwards:b,rendering:null,renderingStartTime:0,last:d,tail:c,tai
lMode:e}:(f.isBackwards=b,f.rendering=null,f.renderingStartTime=0,f.last=d,f.tail=c,f.tailMode=e)}\nfunction
Dh(a,b,c){var
d=b.pendingProps,e=d.revealOrder,f=d.tail;Xg(a,b,d.children,c);d=He.current;if(0!==(d&2))d=d&1|2,b.flags|=128;e
lse{if(null!==(a&&0!==(a.flags&128))a:for(a=b.child;null!==(a);){if(13===a.tag)null!==(a.memoizedState&&Ah(a,c,
b));else if(19===a.tag)Ah(a,c,b);else if(null!==(a.child){a.child.return=a;a=a.child;continue}if(a===b)break
a;for(;null===a.sibling;){if(null===a.return||a.return===b)break
a;a=a.return}a.sibling.return=a.return;a=a.sibling}d&=1}E(He,d);if(0===(b.mode&1))b.memoizedState=\nnull;else
switch(e){case
\"forwards\":c=b.child;for(e=null;null!==(c);a=c.alternate,null!==(a&&null===Le(a)&&(e=c),c=c.sibling;c=e;null===
=c?(e=b.child,b.child=null):(e=c.sibling,c.sibling=null);Ch(b,!1,e,c,f);break;case
\"backwards\":c=null;e=b.child;for(b.child=null;null!==(e);){a=e.alternate;if(null!==(a&&null===Le(a))){b.child=e;br
eak}a=e.sibling;e.sibling=c;c=e;e=a}Ch(b,!0,c,null,f);break;case \"together\":Ch(b,!1,null,null,void
0);break;default:b.memoizedState=null}return b.child}\nfunction
lh(a,b){0===(b.mode&1)&&null!==(a&&(a.alternate=null,b.alternate=null,b.flags|=2)}function
$g(a,b,c){null!==(a&&(b.dependencies=a.dependencies);Yd|=b.lanes;if(0===(c&b.childLanes))return
null;if(null!==(a&&b.child!==(a.child)throw
Error(u(153));if(null!==(b.child){a=b.child;c=qe(a,a.pendingProps);b.child=c;for(c.return=b;null!==(a.sibling);a=a.si
bling,c=c.sibling=qe(a,a.pendingProps),c.return=b;c.sibling=null}return b.child}\nfunction
Eh(a,b,c){switch(b.tag){case 3:nh(b);Fh(b,W,a.memoizedState.cache);Ed();break;case 27:case 5:oa(b);break;case
1:Nc(b.type)&&Rc(b);break;case 4:la(b,b.stateNode.containerInfo);break;case
10:Fh(b,b.type._context,b.memoizedProps.value);break;case 13:var
d=b.memoizedState;if(null!==(d){if(null!==(d.dehydrated)return
Ge(b),b.flags|=128,null;if(0!==(c&b.child.childLanes))return sh(a,b,c);Ge(b);a=$g(a,b,c);return
null!==(a?a.sibling:null}Ge(b);break;case 19:d=0!==(c&b.childLanes);if(0!==(a.flags&128)){if(d)return
Dh(a,\nb,c);b.flags|=128}var
e=b.memoizedState;null!==(e&&(e.rendering=null,e.tail=null,e.lastEffect=null);E(He,He.current));if(d)break;else
return null;case 22:case 23:return b.lanes=0,eh(a,b,c);case 24:Fh(b,W,a.memoizedState.cache)}return $g(a,b,c)}var
Gh=ha(null),Hh=null,Ih=null,Jh=null;function Kh(){Jh=Ih=Hh=null}function
Fh(a,b,c){E(Gh,b._currentValue);b._currentValue=c}function Lh(a){var
b=Gh.current;a._currentValue=b===Sb?a._defaultValue:b;D(Gh)}\nfunction Bh(a,b,c){for(;null!==(a);){var
d=a.alternate;(a.childLanes&b)!==(b?(a.childLanes|=b,null!==(d&&(d.childLanes|=b)));null!==(d&&(d.childLanes&b)
!==(b&&(d.childLanes|=b));if(a===c)break;a=a.return}}\nfunction Mh(a,b,c){var
d=a.child;null!==(d&&(d.return=a));for(;null!==(d);){var e=d.dependencies;if(null!==(e){var f=d.child;for(var
g=e.firstContext;null!==(g;){if(g.context===b){if(1===d.tag){g=Td(c&-c);g.tag=2;var
h=d.updateQueue;if(null!==(h){h=h.shared;var

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l=h.pending;null===!?g.next=g:(g.next=l.next,l.next=g);h.pending=g }d.lanes|=c;g=d.alternate;null!==g&&(g.lanes
|=c);Bh(d.return,c,a);e.lanes|=c;break }g=g.next } }else if(10===d.tag)f=d.type===a.type?null:d.child;else
if(18===d.tag){f=d.return;if(null===\nf)throw
Error(u(341));f.lanes|=c;e=f.alternate;null!==e&&(e.lanes|=c);Bh(f,c,a);f=d.sibling }else
f=d.child;if(null!==f)f.return=d;else
for(f=d;null!==f;){if(f===a){f=null;break }d=f.sibling;if(null!==d){d.return=f.return;f=d;break }f=f.return }d=f } fun
ction
Zg(a,b){Hh=a;Jh=Ih=null;a=a.dependencies;null!==a&&null!==a.firstContext&&(0!=(a.lanes&b)&&(Uf=!0),a.fir
stContext=null)}function Qf(a){return Nh(Hh,a)}function ve(a,b,c){null===Hh&&Zg(a,c);return
Nh(a,b)}\nfunction Nh(a,b){ var
c=b._currentValue;if(Jh===b)if(b={ context:b,memoizedValue:c,next:null },null===Ih){ if(null===a)throw
Error(u(308));Ih=b;a.dependencies={ lanes:0,firstContext:b } }else Ih=Ih.next=b;return c }\nvar
Oh="\undefined"!==typeof AbortController?AbortController:function(){ var
a=[],b=this.signal={ aborted:!1,addEventListener:function(c,d){ a.push(d) } };this.abort=function(){ b.aborted=!0;a.for
Each(function(c){ return
c()}) },Ph=ba.unstable_scheduleCallback,Qh=ba.unstable_NormalPriority,W={ $$typeof:Hb,Consumer:null,Provid
er:null,_currentValue:null,_currentValue2:null,_threadCount:0,_defaultValue:null,_globalName:null };function
Ag(){ return{ controller:new Oh,data:new Map,refCount:0 } }\nfunction Rh(a){ a.refCount--
;0===a.refCount&&Ph(Qh,function(){ a.controller.abort()}) }var
Sh=Ba.ReactCurrentBatchConfig,Th=ha(null);function ih(){ var a=Th.current;return
null!==a?a:Q.pooledCache }function hh(a,b){ null===b?E(Th,Th.current):E(Th,b.pool) }function rh(){ var
a=ih();return null===a?null:{ parent:W._currentValue,pool:a } }function Uh(a){ a.flags|=4 }function
Vh(a){ a.flags|=2097664 }\nfunction Wh(a,b){ if("\stylesheet"!==b.type||0!=(b.state.loading&4))a.flags&=-
16777217;else
if(a.flags|=16777216,0===(P&42)&&(b="\stylesheet"===b.type&&0===(b.state.loading&3)?!1:!0,!b))if(Xh())a fla
gs|=8192;else throw he=de,ce; }function
Yh(a,b){ null!==b?a.flags|=4:a.flags&16384&&(b=22!==a.tag?Qa():1073741824,a.lanes|=b) }\nfunction
Zh(a,b){ if(!K)switch(a.tailMode){ case "hidden":b=a.tail;for(var
c=null;null!==b;null!==b.alternate&&(c=b),b=b.sibling;null===c?a.tail=null:c.sibling=null;break;case
"collapsed":c=a.tail;for(var
d=null;null===c;null===c.alternate&&(d=c),c=c.sibling;null===d?b||null===a.tail?a.tail=null:a.tail.sibling=null:d.si
bling=null } }\nfunction X(a){ var b=null!==a.alternate&&a.alternate.child===a.child,c=0,d=0;if(b)for(var
e=a.child;null!==e;c|=e.lanes|e.childLanes,d|=e.subtreeFlags&31457280,d|=e.flags&31457280,e.return=a,e=e.siblin
g;else
for(e=a.child;null===e;c|=e.lanes|e.childLanes,d|=e.subtreeFlags,d|=e.flags,e.return=a,e=e.sibling;a.subtreeFlags|=d;
a.childLanes=c;return b) }\nfunction $h(a,b,c){ var d=b.pendingProps;gd(b);switch(b.tag){ case 2:case 16:case 15:case
0:case 11:case 7:case 8:case 12:case 9:case 14:return X(b),null;case 1:return Nc(b.type)&&Oc(),X(b),null;case
3:c=b.stateNode;d=null;null!==a&&(d=a.memoizedState.cache);b.memoizedState.cache!==d&&(b.flags|=2048);Lh
(W);na();D(Kc);D(Jc);Ne();c.pendingContext&&(c.context=c.pendingContext,c.pendingContext=null);if(null===a||
null===a.child)Bd(b)?Uh(b):null===a||a.memoizedState.isDehydrated&&0===(b.flags&256)||((b.flags|=1024,null!
===hd&&(ai(hd),hd=null));X(b);return null;case
26:c=b.memoizedState;if(null===a)Uh(b),null===b.ref&&Vh(b),null===c?(X(b),Wh(b,c)):(X(b),b.flags&=-
16777217);else{ var e=a.memoizedState;c!==e&&Uh(b);a.ref!==b.ref&&Vh(b);null===c?(X(b),c===e?b.flags&=-
16777217:Wh(b,c)):(a.memoizedProps!==d&&Uh(b),X(b),b.flags&=-16777217) }return null;case
27:pa(b);c=ka.current;e=b.type;if(null===a&&null!==b.stateNode)a.memoizedProps!==d&&Uh(b),a.ref!==b.ref&&
Vh(b);else{ if(!d){ if(null===b.stateNode)throw Error(u(166));\nX(b);return
null }a=ia.current;Bd(b)?wd(b,a):(a=bi(e,d,c),b.stateNode=a,Uh(b));null===b.ref&&Vh(b) }X(b);return null;case
5:pa(b);c=b.type;if(null===a&&null!==b.stateNode)a.memoizedProps!==d&&Uh(b),a.ref!==b.ref&&Vh(b);else{ if(!

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d){if(null===b.stateNode)throw Error(u(166));X(b);return
null}a=ia.current;if(Bd(b))wd(b,a)&&Uh(b);else{e=ci(ka.current);switch(a){case
"http://www.w3.org/2000/svg":case
"http://www.w3.org/1998/Math/MathML":a=e.createElementNS(a,c);break;default:switch(c){case
"svg":a=e.createElementNS("http://www.w3.org/2000/svg","\nc");break;case
"math":a=e.createElementNS("http://www.w3.org/1998/Math/MathML",c);break;case
"script":a=e.createElement("div");a.innerHTML="\<script>\x3c/script>";a=a.removeChild(a.firstChild);break;c
ase "select":a="\string"===typeof
d.is?e.createElement("select",{is:d.is}):e.createElement("\select");d.multiple?a.multiple=!0:d.size&&(a.size=d.siz
e);break;default:a="\string"===typeof
d.is?e.createElement(c,{is:d.is}):e.createElement(c)}a[Za]=b;a[$a]=d;a.for(e=b.child;null!==(e);if(5===e.tag||6===
=e.tag)a.appendChild(e.stateNode));\nelse
if(4!==(e.tag&&27!==(e.tag&&null!==(e.child)){e.child.return=e;e=e.child;continue}if(e===b)break
a;for(;\null===e.sibling;){if(null===e.return||e.return===b)break
a;e=e.return}e.sibling.return=e.return;e=e.sibling}b.stateNode=a;a:switch(di(a,c,d),c){case "button":case
"input":case "select":case "textarea":a=!d.autoFocus;break a;case "img":a=!0;break
a;default:a=!1}a&&Uh(b)}null!==(b.ref&&Vh(b))X(b);b.flags&=-16777217;return null;case
6:if(a&&null!==(b.stateNode)a.memoizedProps!==(d&&Uh(b));else{if("\string"!==\ntypeof
d&&null===b.stateNode)throw
Error(u(166));a=ka.current;if(Bd(b)){a:{a=b.stateNode;c=b.memoizedProps;a[Za]=b;if(d=a.nodeValue!==(c))if(e=G,
null!==(e))switch(e.tag){case 3:e=0!==(e.mode&1);yd(a.nodeValue,c,e);if(e){a=!1;break a}break;case 27:case 5:var
f=0!==(e.mode&1);!0!==(e.memoizedProps.suppressHydrationWarning&&yd(a.nodeValue,c,f));if(f){a=!1;break
a}}a=d}a&&Uh(b)}else a=ci(a).createTextNode(d),a[Za]=b,b.stateNode=a}X(b);return null;case
13:Ke(b);d=b.memoizedState;if(null===a||null!==(a.memoizedState&&\nnull!==(a.memoizedState.dehydrated)){if(K
&&null!==(J&&0!==(b.mode&1)&&0!==(b.flags&128))Dd(),Ed(),b.flags|=384,e=!1;else
if(e=Bd(b),null!==(d&&null!==(d.dehydrated)){if(null===a){if(!e)throw
Error(u(318));e=b.memoizedState;e=null!==(e?e.dehydrated:null);if(!e)throw Error(u(317));e[Za]=b}else
Ed(),0!==(b.flags&128)&&(b.memoizedState=null),b.flags|=4;X(b);e=!1}else
null!==(hd&&(ai(hd),hd=null),e=!0;if(!e)return b.flags&256?b:null;if(0!==(b.flags&128))return
b.lanes=c,b.c=null!==(d;a=null!==(a&&null!==(a.memoizedState);\nc&&(d=b.child,e=null,null!==(d.alternate&&null!
==d.alternate.memoizedState&&null!==(d.alternate.memoizedState.cachePool&&(e=d.alternate.memoizedState.cac
hePool.pool),f=null,null!==(d.memoizedState&&null!==(d.memoizedState.cachePool&&(f=d.memoizedState.cacheP
ool.pool),f!==(e&&(d.flags|=2048));c!==(a&&c&&(b.child.flags|=8192);Yh(b,b.updateQueue);X(b);return null;case
4:return na(),null===a&&ei(b.stateNode.containerInfo),X(b),null;case 10:return Lh(b.type._context),X(b),null;case
17:return Nc(b.type)&&Oc(),\nX(b),null;case 19:D(He);e=b.memoizedState;if(null===e)return
X(b),null;d=0!==(b.flags&128);f=e.rendering;if(null===f)if(d)Zh(e,!1);else{if(0!==(f||null!==(a&&0!==(a.flags&12
8))for(a=b.child;null!==(a;){f=Le(a);if(null!==(f){b.flags|=128;Zh(e,!1);a=f.updateQueue;b.updateQueue=a;Yh(b,a);
b.subtreeFlags=0;a=c;for(c=b.child;null!==(c);)gi(c,a),c=c.sibling;E(He,He.current&1|2);return
b.child}a=a.sibling}null!==(e.tail&&ua())>hi&&(b.flags|=128,d=!0,Zh(e,!1),b.lanes=8388608)}else{if(!d)if(a=Le(f),
null!==(a){if(b.flags|=128,d=!0,a=a.updateQueue,b.updateQueue=a,Yh(b,a),Zh(e,!0),null===e.tail&&"hidden"==
=e.tailMode&&!f.alternate&&!K)return X(b),null}else 2*ua()-
e.renderingStartTime>hi&&1073741824!==(c&&(b.flags|=128,d=!0,Zh(e,!1),b.lanes=8388608);e.isBackwards?(f.si
bling=b.child,b.child=f):(a=e.last,null!==(a?a.sibling=f:b.child=f,e.last=f));if(null!==(e.tail)return
b=e.tail,e.rendering=b,e.tail=b.sibling,e.renderingStartTime=ua(),b.sibling=null,a=He.current,E(He,d?a|1|2:a&1),b;
X(b);return null;case 22:case 23:return
Ke(b),\nDe(),d=null!==(b.memoizedState,null!==(a?null!==(a.memoizedState!==(d&&(b.flags|=8192):d&&(b.flags|=8
192),d&&0!==(b.mode&1)?0!==(c&1073741824)&&0!==(b.flags&128)&&(X(b),b.subtreeFlags&6&&(b.flags|=8
192)):X(b),c=b.updateQueue,null!==(c&&Yh(b,c.retryQueue),c=null,null!==(a&&null!==(a.memoizedState&&null!==(

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=a.memoizedState.cachePool&&(c=a.memoizedState.cachePool.pool),d=null,null!==(b.memoizedState&&null!==(b.memoizedState.cachePool&&(d=b.memoizedState.cachePool.pool),d!==(c&&(b.flags|=2048),null!==(a&&D(Th),null!==(c=
null,null!==(a&&(c=a.memoizedState.cache),b.memoizedState.cache!==(c&&(b.flags|=2048),Lh(W),X(b),null;cas
e 25:return null)throw Error(u(156,b.tag));}\nfunction ii(a,b){gd(b);switch(b.tag){case 1:return
Nc(b.type)&&Oc(),a=b.flags,a&65536?(b.flags=a&-65537|128,b):null;case 3:return
Lh(W),na(),D(Kc),D(Jc),Ne(),a=b.flags,0!==(a&65536)&&0===(a&128)?(b.flags=a&-65537|128,b):null;case
26:case 27:case 5:return pa(b),null;case
13:Ke(b);a=b.memoizedState;if(null!==(a&&null!==(a.dehydrated)){if(null===b.alternate)throw
Error(u(340));Ed()}a=b.flags;return a&65536?(b.flags=a&-65537|128,b):null;case 19:return D(He),null;case
4:return na(),null;case 10:return Lh(b.type._context),\nnull;case 22:case 23:return
Ke(b),De(),null!==(a&&D(Th),a=b.flags,a&65536?(b.flags=a&-65537|128,b):null;case 24:return Lh(W),null;case
25:return null;default:return null}}\nfunction ji(a,b){gd(b);switch(b.tag){case
1:a=b.type.childContextTypes,null!==(a&&void 0!==(a&&Oc());break;case
3:Lh(W);na();D(Kc);D(Jc);Ne();break;case 26:case 27:case 5:pa(b);break;case 4:na();break;case
13:Ke(b);break;case 19:D(He);break;case 10:Lh(b.type._context);break;case 22:case
23:Ke(b);De();null!==(a&&D(Th));break;case 24:Lh(W)}}function ki(a,b,c){var
d=Array.prototype.slice.call(arguments,3);try{b.apply(c,d)}catch(e){this.onError(e)}\nvar
li=!1,mi=null,ni=!1,oi=null,pi={onError:function(a){li=!0;mi=a}};function
qi(a,b,c,d,e,f,g,h,l){li=!1;mi=null;ki.apply(pi,arguments)}function
ri(a,b,c,d,e,f,g,h,l){qi.apply(this,arguments);if(li){if(li){var p=mi;li=!1;mi=null}else throw
Error(u(198));ni||(ni=!0,oi=p)}}var si=!1,ti=!1,ui="\function"===typeof WeakSet?WeakSet:Set,vi=null;\nfunction
wi(a,b){try{var c=a.ref;if(null!==(c)){var d=a.stateNode;switch(a.tag){case 26:case 27:case 5:var
e=d;break;default:e=d}\nfunction xi(a,b){var c=a.ref,d=a.refCleanup;if(null!==(c)if("\function"===typeof
d)try{d()}catch(e){Y(a,b,e)}finally{a.refCleanup=null,a=a.alternate,null!==(a&&(a.refCleanup=null))}else
if("\function"===typeof c)try{c(null)}catch(e){Y(a,b,e)}else c.current=null}\nfunction
yi(a,b,c){try{c()}catch(d){Y(a,b,d)}}var zi=!1;\nfunction Ai(a,b){Bi=Ci;a=Di();if(Ei(a)){if("\selectionStart" in
a)var c={start:a.selectionStart,end:a.selectionEnd};else a={c=(c=a.ownerDocument)&&c.defaultView||window;var
d=c.getSelection&&c.getSelection();if(d&&0!==(d.rangeCount){c=d.anchorNode;var
e=d.anchorOffset,f=d.focusNode;d=d.focusOffset;try{c.nodeType,f.nodeType}catch(A){c=null;break a}var g=0,h=-
1,l=-1,p=0,r=0,w=a,q=null;b:for(;;){for(var
t;;){w!==(c||0!==(e&&3!==(w.nodeType||(h=g+e);w!==(f||0!==(d&&3!==(w.nodeType||(l=g+d);3===w.nodeType&&(g
+e)\nw.nodeValue.length);if(null===(t=w.firstChild))break;q=w;w=t}for(;;){if(w===a)break
b;q===c&&+p===e&&(h=g);q===f&&+r===d&&(l=g);if(null!==(t=w.nextSibling))break;w=q;q=w.parentNode
e}w=t}c=-1===h|-1===l?null:{start:h,end:l}}else c=null}c=c||{start:0,end:0}}else
c=null;Fi={focusedElem:a,selectionRange:c};Ci=!1;for(vi=b,null!==(vi);if(b=vi,a=b.child,0!==(b.subtreeFlags&102
8)&&null!==(a).return=b,vi=a;else for(;;null!==(vi)){b=vi;try{var y=b.alternate,B=b.flags;switch(b.tag){case
0:if(0!==(B&4)){var N=\nb.updateQueue,O=null!==(N?N.events:null;if(null!==(O)for(a=0;a<O.length;a++){var
m=O[a];m.ref.impl=m.nextImpl}}break;case 11:case 15:break;case 1:if(0!==(B&1024)&&null!==(y)){var
k=y.memoizedProps,n=y.memoizedState,v=b.stateNode,x=v.getSnapshotBeforeUpdate(b.elementType===b.type?k
:Fg(b.type,k),n);v.__reactInternalSnapshotBeforeUpdate=x}break;case
3:0!==(B&1024)&&Gi(b.stateNode.containerInfo);break;case 5:case 26:case 27:case 6:case 4:case
17:break;default:if(0!==(B&1024))throw
Error(u(163));}catch(A){Y(b,\nb.return,A)}a=b.sibling;if(null!==(a)){a.return=b.return;vi=a;break}vi=b.return}y=zi
;zi=!1;return y}function Hi(a,b,c){var d=b.updateQueue;d=null!==(d)?d.lastEffect:null;if(null!==(d)){var
e=d.d.next;do{if((e.tag&a)===a){var f=e.inst,g=f.destroy;void 0!==(g&&(f.destroy=void
0,yi(b,c,g))}e=e.next}while(e!==(d))}function

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li(a,b){b=b.updateQueue;b=null!==(b?b.lastEffect:null;if(null!==(b){var c=b=b.next;do{if((c.tag&a)===a){var
d=c.create,e=c.inst;d=d();e.destroy=d}c=c.next}while(c!==(b))}}\nfunction
Ji(a,b){try{li(b,a)}catch(c){Y(a,a.return,c)}}function Ki(a){var b=a.updateQueue;if(null!==(b){var
c=a.stateNode;try{$d(b,c)}catch(d){Y(a,a.return,d)}}}function Li(a){var
b=a.type,c=a.memoizedProps,d=a.stateNode;try{a:switch(b){case \"button\":case \"input\":case \"select\":case
\"textarea\":c.autoFocus&&d.focus();break a;case
\"img\":c.src&&(d.src=c.src)}catch(e){Y(a,a.return,e)}}\nfunction Mi(a,b,c){var d=c.flags;switch(c.tag){case
0:case 11:case 15:Ni(a,c);d&4&&Ji(c,5);break;case
1:Ni(a,c);if(d&4)if(a=c.stateNode,null!==(b)try{a.componentDidMount()}catch(h){Y(c,c.return,h)}else{var
e=c.elementType===c.type?b.memoizedProps:Fg(c.type,b.memoizedProps);b=b.memoizedState;try{a.componentDi
dUpdate(e,b,a.__reactInternalSnapshotBeforeUpdate)}catch(h){Y(c,c.return,h)}d&64&&Ki(c);d&512&&wi(c,c.re
turn);break;case
3:Ni(a,c);if(d&64&&(d=c.updateQueue,null!==(d)){a=null;if(null!==(c.child)switch(c.child.tag){case 27:case
5:a=\nc.child.stateNode;break;case 1:a=c.child.stateNode}try{$d(d,a)}catch(h){Y(c,c.return,h)}break;case
26:Ni(a,c);d&512&&wi(c,c.return);break;case 27:case
5:Ni(a,c);null===b&&d&4&&Li(c);d&512&&wi(c,c.return);break;case 12:Ni(a,c);break;case
13:Ni(a,c);d&4&&Oi(a,c);break;case
22:if(0!==(c.mode&1)){if(e=null!==(c.memoizedState||si,!e){b=null!==(b&&null!==(b.memoizedState||ti;var
f=si,g=ti;si=e;(ti=b)&&!g?Pi(a,c,0!==(c.subtreeFlags&8772)):Ni(a,c);si=f;ti=g}}else
Ni(a,c);d&512&&(\\"manual\"===c.memoizedProps.mode?nwi(c,c.return):xi(c,c.return));break;default:Ni(a,c)}}fun
ction Qi(a){var
b=a.alternate,null!==(b&&(a.alternate=null,Qi(b));a.child=null;a.deletions=null;a.sibling=null;5===a.tag&&(b=a.sta
teNode,null!==(b&&gb(b));a.stateNode=null;a.return=null;a.dependencies=null;a.memoizedProps=null;a.memoized
State=null;a.pendingProps=null;a.stateNode=null;a.updateQueue=null}function Ri(a){return
5===a.tag||3===a.tag||26===a.tag||27===a.tag||4===a.tag}\nfunction
Si(a){a:for(;;){for(,null===a.sibling;){if(null===a.return||Ri(a.return))return
null;a=a.return}a.sibling.return=a.return;for(a=a.sibling;5!==(a.tag&&6!==(a.tag&&27!==(a.tag&&18!==(a.tag;){if(a.
flags&2)continue a;if(null===a.child||4===a.tag)continue a;else a.child.return=a,a=a.child}if(!(a.flags&2))return
a.stateNode}}\nfunction Ti(a,b,c){var
d=a.tag;if(5===d||6===d)a=a.stateNode,b?8===c.nodeType?c.parentNode.insertBefore(a,b):c.insertBefore(a,b):(8=
===c.nodeType?(b=c.parentNode,b.insertBefore(a,c)):b=c,b.appendChild(a),c=c._reactRootContainer,null!==(c&&
void 0!==(c||null!==(b.onclick||b.onclick=zd));else
if(4!==(d&&27!==(d&&(a=a.child,null!==(a))for(Ti(a,b,c),a=a.sibling;null!==(a);Ti(a,b,c),a=a.sibling)\nfunction
Ui(a,b,c){var d=a.tag;if(5===d||6===d)a=a.stateNode,b?c.insertBefore(a,b):c.appendChild(a);else
if(4!==(d&&27!==(d&&(a=a.child,null!==(a))for(Ui(a,b,c),a=a.sibling;null!==(a);Ui(a,b,c),a=a.sibling}var
Vi=null,Wi=!1;function Xi(a,b,c){for(c=c.child;null!==(c);)Yi(a,b,c),c=c.sibling}\nfunction
Yi(a,b,c){if(Da&&\"function\"===typeof
Da.onCommitFiberUnmount)try{Da.onCommitFiberUnmount(Ca,c)}catch(l){}switch(c.tag){case
26:ti||xi(c,b);Xi(a,b,c);c.memoizedState?c.memoizedState.count--
:c.stateNode&&(c=c.stateNode,c.parentNode.removeChild(c));break;case 27:ti||xi(c,b);var
d=Vi,e=Wi;Vi=c.stateNode;Xi(a,b,c);c=c.stateNode;for(a=c.attributes;a.length;c.removeAttributeNode(a[0]);gb(c);
Vi=d;Wi=e;break;case 5:ti||xi(c,b);case
6:d=Vi;e=Wi;Vi=null;Xi(a,b,c);Vi=d;Wi=e;null!==(Vi&&(Wi?(a=Vi,c=c.stateNode,\n8===a.nodeType?a.parentNo
de.removeChild(c):a.removeChild(c)):Vi.removeChild(c.stateNode));break;case
18:null!==(Vi&&(Wi?(a=Vi,c=c.stateNode,8===a.nodeType?Zi(a.parentNode,c):1===a.nodeType&&Zi(a,c),$(a)):
Zi(Vi,c.stateNode));break;case 4:d=Vi;e=Wi;Vi=c.stateNode.containerInfo;Wi=!0;Xi(a,b,c);Vi=d;Wi=e;break;case
0:case 11:case 14:case 15:if(!ti&&(d=c.updateQueue,null!==(d&&(d=d.lastEffect,null!==(d)))){e=d=d.next;do{var
f=e.tag,g=e.inst,h=g.destroy;void 0!==(h&&(0!==(f&2)?(g.destroy=void

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0,yi(c,b,h));\n0!==(f&4)&&(g.destroy=void 0,yi(c,b,h));e=e.next}while(e!==(d)}Xi(a,b,c);break;case
1:if(!ti&&(xi(c,b),d=c.stateNode,\"function\"===typeof
d.componentWillUnmount))try{d.props=c.memoizedProps,d.state=c.memoizedState,d.componentWillUnmount()}c
atch(l){Y(c,b,l)}Xi(a,b,c);break;case 21:Xi(a,b,c);break;case
22:xi(c,b);c.mode&1?(ti=(d=ti)||null!==(c.memoizedState,Xi(a,b,c),ti=d):Xi(a,b,c);break;default:Xi(a,b,c)}\nfunctio
n
Oi(a,b){if(null===b.memoizedState&&(a=b.alternate,null!==(a&&(a=a.memoizedState,null!==(a&&(a=a.dehydrated
,null!==(a))))try{$i(a)}catch(c){Y(b,b.return,c)}}function aj(a){switch(a.tag){case 13:case 19:var
b=a.stateNode;null===b&&(b=a.stateNode=new ui);return b;case 22:return
a=a.stateNode,b=a._retryCache,null===b&&(b=a._retryCache=new ui),b;default:throw
Error(u(435,a.tag));}}function bj(a,b){var c=aj(a);b.forEach(function(d){var
e=cj.bind(null,a,d);c.has(d)||(c.add(d),d.then(e,e))})\nfunction dj(a,b){var c=b.deletions;if(null!==(c)for(var
d=0;d<c.length;d++){var e=c[d];try{var f=a,g=b,h=g;a.for(;\null!==(h);){switch(h.tag){case 27:case
5:Vi=h.stateNode;Wi=!1;break a;case 3:Vi=h.stateNode.containerInfo;Wi=!0;break a;case
4:Vi=h.stateNode.containerInfo;Wi=!0;break a}h=h.return}if(null===Vi)throw
Error(u(160));Yi(f,g,e);Vi=null;Wi=!1;var
l=e.alternate;null!==(l&&(l.return=null);e.return=null)}catch(p){Y(e,b,p)}}if(b.subtreeFlags&12854)for(b=b.child;nu
ll!==(b);ej(b,a),b=b.sibling)\nvar fj=null;\nfunction ej(a,b){var c=a.alternate,d=a.flags;switch(a.tag){case 0:case
11:case 14:case
15:dj(b,a);gj(a);if(d&4){try{Hi(3,a,a.return),Ii(3,a)}catch(t){Y(a,a.return,t)}try{Hi(5,a,a.return)}catch(t){Y(a,a.retur
n,t)}}break;case
1:dj(b,a);gj(a);d&512&&null!==(c&&xi(c,c.return);d&64&&si&&(a=a.updateQueue,null!==(a&&(c=a.callbacks,null
!==(c&&(d=a.shared.hiddenCallbacks,a.shared.hiddenCallbacks=null===d?c:d.concat(c)))));break;case 26:var
e=fj;dj(b,a);gj(a);d&512&&null!==(c&&xi(c,c.return);if(d&4)if(b=null!==(nc?c.memoizedState:null,d=a.memoized
State,null===c)if(null===d)if(null===a.stateNode){a:{c=a.type;d=a.memoizedProps;b=e.ownerDocument||e;b:swit
ch(c){case
\"title\":e=b.getElementsByTagName(\"title\")[0];if(!e[e[fb]]|e[Za]||\"http://www.w3.org/2000/svg\"===e.namespace
URI||e.hasAttribute(\"itemprop\"))e=b.createElement(c),b.head.insertBefore(e,b.querySelector(\"head >
title\"));di(e,c,d);e[Za]=a;nb(e);c=e;break a;case \"link\":var f=hj(\"link\",\"href\",b).get(c+(d.href||\"\"));if(f)for(var
g=0;g<f.length;g++){if(e=f[g],ne.getAttribute(\"href\")===(null===d.href?null:d.href)&&e.getAttribute(\"rel\")===(n
ull===d.rel?null:d.rel)&&e.getAttribute(\"title\")===(null===d.title?null:d.title)&&e.getAttribute(\"crossorigin\")===(
null===d.crossOrigin?null:d.crossOrigin)){f.splice(g,1);break
b}e=b.createElement(c);di(e,c,d);b.head.appendChild(e);break;case
\"meta\":if(f=hj(\"meta\",\"content\",b).get(c+(d.content||\"\")))for(g=0;g<f.length;g++){if(e=f[g],e.getAttribute(\"con
tent\")===(null===d.content?null:\"\")+d.content)&&e.getAttribute(\"name\")===(null===\nd.name?null:d.name)&&e.
getAttribute(\"property\")===(null===d.property?null:d.property)&&e.getAttribute(\"http-
equiv\")===(null===d.httpEquiv?null:d.httpEquiv)&&e.getAttribute(\"charset\")===(null===d.charset?null:d.charset)
){f.splice(g,1);break b}e=b.createElement(c);di(e,c,d);b.head.appendChild(e);break;default:throw
Error(u(468,c));}e[Za]=a;nb(e);c=e}a.stateNode=c}else ij(e,a.type,a.stateNode);else
a.stateNode=jj(e,d,a.memoizedProps);else
if(b!==(d)null===b?null!==(c.stateNode&&(c=c.stateNode,c.parentNode.removeChild(c)):\nb.count--
,null===d?ij(e,a.type,a.stateNode):jj(e,d,a.memoizedProps);else
if(null===d&&null!==(a.stateNode&&(d=a.updateQueue,a.updateQueue=null,null!==(d))try{var
h=a.stateNode,l=a.memoizedProps;kj(h,a.type,c.memoizedProps,l);h[$a]=l}catch(t){Y(a,a.return,t)}break;case
27:if(d&4&&null===a.alternate){e=a.stateNode;f=a.memoizedProps;for(g=e.firstChild;g){var
p=g.nextSibling,r=g.nodeName;g[fb]||\"HEAD\"===r||\"BODY\"===r||\"STYLE\"===r||\"LINK\"===r&&\"styleShe
et\"===g.rel.toLowerCase()||e.removeChild(g);g=p}g=\na.type;for(p=e.attributes;p.length;e.removeAttribute(
p[0]);di(e,g,f);e[Za]=a;e[$a]=f}case

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5:dj(b,a);gj(a);d&&512&&null!==(c&&xi(c,c.return));if(a.flags&32){b=a.stateNode;try{pc(b,\'\'')}catch(t){Y(a,a.return,t)}if(d&4&&(d=a.stateNode,null!=d)){b=a.memoizedProps;c=null!==(c?c.memoizedProps:b);e=a.type;a.updateQueue=null;try{kj(d,e,c,b),d[$a]=b}catch(t){Y(a,a.return,t)}}break;case
6:dj(b,a);gj(a);if(d&4){if(null===a.stateNode)throw
Error(u(162));c=a.stateNode;d=a.memoizedProps;try{c.nodeValue=d}catch(t){Y(a,\'na.return,t')}}break;case
3:lj=null;e=fj;fj=mj(b.containerInfo);dj(b,a);fj=e;gj(a);if(d&4&&null!==(c&&c.memoizedState.isDehydrated))try{Si(b.containerInfo)}catch(t){Y(a,a.return,t)}break;case
4:c=fj;fj=mj(a.stateNode.containerInfo);dj(b,a);gj(a);fj=c;break;case
13:dj(b,a);gj(a);c=a.child;c.flags&8192&&null!==(c.memoizedState&&(null===c.alternate||null===c.alternate.memoizedState)&&(nj=ua()));d&4&&(c=a.updateQueue,null!==(c&&(a.updateQueue=null,bj(a,c))));break;case
22:d&512&&null!==(c&&xi(c,c.return));h=null!==(na.memoizedState);l=null!==(c&&null!==(c.memoizedState);if(a.mode&1){var w=si,q=ti;si=w||h;ti=q||l;dj(b,a);ti=q;si=w}else
dj(b,a);gj(a);b=a.stateNode;b._current=a;b._visibility&=
3;b._visibility|=b._pendingVisibility&2;if(d&8192&&(b._visibility=h?b._visibility&-
2:b._visibility|1,h&&(b=si||ti,null===c|||b|0!==(a.mode&1)&&oj(a),null===a.memoizedProps||\'manual\'!==(a.memoizedProps.mode))a:for(c=null,b=a;;){if(5===b.tag||26===b.tag||27===b.tag){if(null===c){c=b;try{e=b.stateNode,h?(f=e.style,\'function\'===\ntypeof
f.setProperty?f.setProperty(\'display\',\'none\',\'important\'):f.display=\'none\');(g=b.stateNode,p=b.memoizedProps.style,r=void
0!==(p&&null!==(p&&p.hasOwnProperty(\'display\'))p.display:null,g.style.display=null===r||\'boolean\'===typeof
r?\'\':(\'\'+r).trim())}catch(t){Y(a,a.return,t)}}else
if(6===b.tag){if(null===c)try{b.stateNode.nodeValue=h?\'\' :b.memoizedProps}catch(t){Y(a,a.return,t)}}else
if((22===b.tag&&23===b.tag||null===b.memoizedState||b===a)&&null!==(b.child){b.child.return=b;b=b.child;continue}if(b===na)break a;for(;null===b.sibling;){if(null===b.return||b.return===a)break
a;c===b&&(c=null);b=b.return}c===b&&(c=null);b.sibling.return=b.return;b=b.sibling}d&4&&(c=a.updateQueue
,null!==(c&&(d=c.retryQueue,null!==(d&&(c.retryQueue=null,bj(a,d))));break;case
19:dj(b,a);gj(a);d&4&&(c=a.updateQueue,null!==(c&&(a.updateQueue=null,bj(a,c))));break;case
21:break;default:dj(b,a),gj(a)}\nfunction gj(a){var b=a.flags;if(b&2){try{if(27===a.tag){b:{for(var
c=a.return,null!==(c);{if(Ri(c)){var d=c;break b}c=c.return}throw Error(u(160));}switch(d.tag){case 27:var
e=d.stateNode,f=Si(a);Ui(a,f,e);break;case 5:var g=d.stateNode;d.flags&32&&(pc(g,\'\''),d.flags&=-33);var
h=Si(a);Ui(a,h,g);break;case 3:case 4:var l=d.stateNode.containerInfo,p=Si(a);Ti(a,p,l);break;default:throw
Error(u(161));}}catch(r){Y(a,a.return,r)}a.flags&=-3}b&4096&&(a.flags&=-4097)}\nfunction
Ni(a,b){if(b.subtreeFlags&8772)for(b=b.child;null!==(b);)Mi(a,b.alternate,b),b=b.sibling}\nfunction
oj(a){for(a=a.child;null!==(a);){var b=a;switch(b.tag){case 0:case 11:case 14:case
15:Hi(4,b,b.return);oj(b);break;case 1:xi(b,b.return);var c=b.stateNode;if(\'function\'===typeof
c.componentWillUnmount){var d=b,e=b.return;try{var
f=d;c.props=f.memoizedProps;c.state=f.memoizedState;c.componentWillUnmount()}catch(g){Y(d,e,g)}}oj(b);break;case 26:case 27:case 5:xi(b,b.return);oj(b);break;case
22:xi(b,b.return);null===b.memoizedState&&oj(b);break;default:oj(b)}a=a.sibling}}\nfunction
Pi(a,b,c){c=c&&0!==(b.subtreeFlags&8772);for(b=b.child;null!==(b);){var
d=b.alternate,e=a,f=b,g=f.flags;switch(f.tag){case 0:case 11:case 15:Pi(e,f,c);Ji(f,4);break;case
1:Pi(e,f,c);e=f.stateNode;if(\'function\'===typeof
e.componentDidMount)try{e.componentDidMount()}catch(l){Y(f,f.return,l)}d=f.updateQueue;if(null!==(d){var
h=d.shared.hiddenCallbacks;if(null!==(h)for(d.shared.hiddenCallbacks=null,d=0;d<h.length;d++)Zd(h[d],e)}c&&g
&64&&Ki(f);wi(f,f.return);break;case 26:case 27:case
5:Pi(e,f,c);nc&&null===d&&g&4&&Li(f);wi(f,f.return);break;case 12:Pi(e,f,c);break;case
13:Pi(e,f,c);c&&g&4&&Oi(e,f);break;case
22:null===f.memoizedState&&Pi(e,f,c);wi(f,f.return);break;default:Pi(e,f,c)}b=b.sibling}}function

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pj(a,b){try{!i(b,a)}catch(c){Y(a,a.return,c)}}\nfunction qj(a,b){var
c=null;null!==(a&&null!==(a.memoizedState&&null!==(a.memoizedState.cachePool&&(c=a.memoizedState.cachePool.pool);a=null;null!==(b.memoizedState&&null!==(b.memoizedState.cachePool&&(a=b.memoizedState.cachePool.pool);a!==(c&&(null!==(a&&a.refCount++,null!==(c&&Rh(c))))}function
rj(a,b){a=null;null!==(b.alternate&&(a=b.alternate.memoizedState.cache);b=b.memoizedState.cache;b!==(a&&(b.refCount++,null!==(a&&Rh(a))))}\nfunction
sj(a,b,c,d){if(b.subtreeFlags&10256)for(b=b.child;null!==(b);)tj(a,b,c,d),b=b.sibling}\nfunction tj(a,b,c,d){var
e=b.flags;switch(b.tag){case 0:case 11:case 15:sj(a,b,c,d);e&2048&&pj(b,9);break;case
3:sj(a,b,c,d);e&2048&&(a=null;null!==(b.alternate&&(a=b.alternate.memoizedState.cache),b=b.memoizedState.cache,b!==(a&&(b.refCount++,null!==(a&&Rh(a)))));break;case 23:break;case 22:var
f=b.stateNode;null!==(b.memoizedState?f._visibility&4?sj(a,b,c,d):b.mode&1?uj(a,b):(f._visibility|=4,sj(a,b,c,d)):f._visibility&4?sj(a,b,c,d):(f._visibility|=4,vj(a,b,c,d,0!==(b.subtreeFlags&10256)))));e&2048&&qj(b.alternate,\nb);break;case 24:sj(a,b,c,d);e&2048&&rj(b.alternate,b);break;default:sj(a,b,c,d)}}\nfunction
vj(a,b,c,d,e){e=e&&0!==(b.subtreeFlags&10256);for(b=b.child;null!==(b);){var
f=a,g=b,h=c,l=d,p=g.flags;switch(g.tag){case 0:case 11:case 15:vj(f,g,h,l,e);pj(g,8);break;case 23:break;case 22:var
r=g.stateNode;null!==(g.memoizedState?r._visibility&4?vj(f,g,h,l,e):g.mode&1?uj(f,g):(r._visibility|=4,vj(f,g,h,l,e)):
(r._visibility|=4,vj(f,g,h,l,e));e&&p&2048&&qj(g.alternate,g);break;case
24:vj(f,g,h,l,e);e&&p&2048&&rj(g.alternate,g);break;default:vj(f,g,h,l,e)}b=b.sibling}}\nfunction
uj(a,b){if(b.subtreeFlags&10256)for(b=b.child;null!==(b);){var c=a,d=b,e=d.flags;switch(d.tag){case
22:uj(c,d);e&2048&&qj(d.alternate,d);break;case
24:uj(c,d);e&2048&&rj(d.alternate,d);break;default:uj(c,d)}b=b.sibling}}var wj=8192;function
xj(a){if(a.subtreeFlags&wj)for(a=a.child;null!==(a);)yj(a),a=a.sibling}\nfunction yj(a){switch(a.tag){case
26:xj(a);a.flags&wj&&null!==(a.memoizedState&&zj(fj,a.memoizedState,a.memoizedProps));break;case
5:xj(a);break;case 3:case 4:var b=fj;fj=mj(a.stateNode.containerInfo);xj(a);fj=b;break;case
22:null!==(a.memoizedState&&(b=a.alternate,null!==(b&&null!==(b.memoizedState?(b=wj,wj=16777216,xj(a),wj=
b):xj(a)));break;default:xj(a)}}function Aj(a){var b=a.alternate;if(null!==(b&&(a=b.child,null!==(a)))}{b.child=null;do
b=a.sibling,a.sibling=null,a=b;while(null!==(a))}}\nfunction Bj(a){var
b=a.deletions;if(0!==(a.flags&16)){if(null!==(b)for(var c=0;c<b.length;c++){var
d=b[c];vi=d;Cj(d,a)}Aj(a)}if(a.subtreeFlags&10256)for(a=a.child;null!==(a);)Dj(a),a=a.sibling}function
Dj(a){switch(a.tag){case 0:case 11:case 15:Bj(a);a.flags&2048&&Hi(9,a,a.return);break;case 22:var
b=a.stateNode;null!==(a.memoizedState&&b._visibility&4&&(null!==(a.return||13!==(a.return.tag)?(b._visibility&=
5,Ej(a)):Bj(a);break;default:Bj(a))}\nfunction Ej(a){var b=a.deletions;if(0!==(a.flags&16)){if(null!==(b)for(var
c=0;c<b.length;c++){var d=b[c];vi=d;Cj(d,a)}Aj(a)}for(a=a.child;null!==(a);){b=a;switch(b.tag){case 0:case 11:case
15:Hi(8,b,b.return);Ej(b);break;case 22:c=b.stateNode;c._visibility&4&&(c._visibility&=
5,Ej(b));break;default:Ej(b)}a=a.sibling}}\nfunction Cj(a,b){for(;;null!==(vi)){var c=vi;switch(c.tag){case 0:case
11:case 15:Hi(8,c,b);break;case 23:case 22:if(null!==(c.memoizedState&&null!==(c.memoizedState.cachePool)){var
d=c.memoizedState.cachePool.pool;null!==(d&&d.refCount++)}break;case
24:Rh(c.memoizedState.cache)}d=c.child;if(null!==(d)d.return=c,vi=d;else a.for(c=a;null!==(vi)){d=vi;var
e=d.sibling,f=d.return;Qi(d);if(d===c){vi=null;break a}if(null!==(e){e.return=f;vi=e;break a}vi=f}}}\nvar
Fj={getCacheSignal:function(){return Qf(W).controller.signal},getCacheForType:function(a){var
b=Qf(W),c=b.data.get(a);void 0===c&&(c=a()),b.data.set(a,c);return c}},Gj="function"===typeof
WeakMap?WeakMap:Map,Hj=Ba.ReactCurrentDispatcher,Ij=Ba.ReactCurrentCache,Jj=Ba.ReactCurrentOwner,Kj
=Ba.ReactCurrentBatchConfig,M=0,Q=null,Z=null,P=0,R=0,Lj=null,Mj=!1,Be=0,fi=0,af=null,Yd=0,Nj=0,Oj=0,Pj
=null,ef=null,nj=0,hi=Infinity,ff=null,Qg=!1,Rg=null,Tg=null,Qj=!1,Rj=null,Sj=0,Tj=0,Uj=null,Od=0,Pd=null;\nfunction
zg(a){if(0===(a.mode&1))return 2;if(0!==(M&2)&&0!==(P))return P&-P;if(null!==(Sh.transition)return
a=mf,null!==(a?a.lane:lf);a=F;if(0!==(a))return a;a=window.event;a=void 0===a?32:Vj(a.type);return a}function
eg(a,b,c){if(a===Q&&2===R|null!==(a.cancelPendingCommit)bf(a,0),cf(a,P);Sa(a,c);if(0===(M&2)||a!==(Q)a===
Q&&(0===(M&2)&&(Nj|=c),4===fi&&cf(a,P)),Ue(a),2===c&&0===M&&0===(b.mode&1)&&(hi=ua()+500,Xe

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(0))\nfunction jf(a,b){if(0!==(M&6))throw Error(u(327));var
c=a.callbackNode;if(Ye()&&a.callbackNode!==(c))return null;var d=Ma(a,a===Q?P:0);if(0===d)return
null;b=0!==(d&60)||0!==(d&a.expiredLanes)||b?Ze(a,d):Wj(a,d);if(0!==(b)){if(2===b){var
e=d,f=Oa(a,e);0!==(f&&(d=f,b=$e(a,e,f))}if(1===b)throw
c=af,bf(a,0),cf(a,d),Ue(a,c);if(6===b)cf(a,d);else{e=a.current.alternate;if(0===(d&60)&&!Xj(e)){b=Ze(a,d);if(2===
b){f=d;var g=Oa(a,f);0!==(g&&(d=g,b=$e(a,f,g))}if(1===b)throw
c=af,bf(a,0),cf(a,d),Ue(a,c);}a.finishedWork=\ne;a.finishedLanes=d;a:{switch(b){case 0:case 1:throw
Error(u(345));case 4:if((d&8388480)===d){cf(a,d);break a}break;case 2:case 3:case 5:break;default:throw
Error(u(329));}if((d&125829120)===d&&(b=nj+500-ua(),10<b)){cf(a,d);if(0!==(Ma(a,0))break
a;a.timeoutHandle=Yj(Zj.bind(null,a,e,ef,ff,d),b);break
a}Zj(a,e,ef,ff,d)}}Ue(a);hf(a,ua());a=a.callbackNode===c?jf.bind(null,a):null;return a}\nfunction $e(a,b,c){var
d=Pj,e=a.current.memoizedState.isDehydrated;e&&(bf(a,c).flags|=256);c=Ze(a,c);if(2!==(c)){if(Mj&&!e)return
a.errorRecoveryDisabledLanes|=b,Nj|=b,4;a=ef;ef=d;null!==(a&&ai(a))return c}function
ai(a){null===ef?ef=a.ef.push.apply(ef,a)}function
Zj(a,b,c,d,e){if(0===(e&42)&&(ak={stylesheets:null,count:0,unsuspend:bk},yj(b),b=ck(),null!==(b))){a.cancelPendi
ngCommit=b(df.bind(null,a,c,d));cf(a,e);return}df(a,c,d)\nfunction Xj(a){for(var b=a;){if(b.flags&16384){var
c=b.updateQueue;if(null!==(c&&(c=c.stores,null!==(c)))for(var d=0;d<c.length;d++){var
e=c[d],f=e.getSnapshot;e=e.value;try{if(!Uc(f),e)return!1}catch(g){return!1}}c=b.child;if(b.subtreeFlags&16384
&&null!==(c)c.return=b,b=c;else{if(b===a)break;for(;null===b.sibling;){if(null===b.return||b.return===a)return!0;
b=b.return}b.sibling.return=b.return;b=b.sibling}}return!0}\nfunction
cf(a,b){b&=~Oj;b&=~Nj;a.suspendedLanes|=b;a.pingedLanes&=~b;for(a=a.expirationTimes;0<b;){var c=31-
Ga(b),d=1<<c;a[c]=-1;b&=~d}}function dk(a,b){var c=M;M|=1;try{return
a(b)}finally{M=c,0===M&&(hi=ua()+500,Xe(!0))}}function
ek(a){null!==(Rj&&0===Rj.tag&&0===(M&6)&&Ye());var b=M;M|=1;var
c=Kj.transition,d=F;try{if(Kj.transition=null,F=2,a)return
a()}finally{F=d,Kj.transition=c,M=b,0===(M&6)&&Xe(!1)}}\nfunction fk(){if(null!==(Z){if(0===R)var
a=Z.return;else Kh(),Kf(),je=null,ke=0,a=Z;for(;null!==(a);ji(a.alternate,a),a=a.return;Z=null)}function
bf(a,b){a.finishedWork=null;a.finishedLanes=0;var c=a.timeoutHandle;-1!==(c&&(a.timeoutHandle=-
1,gk(c));c=a.cancelPendingCommit;null!==(c&&(a.cancelPendingCommit=null,c()));fk();Q=a;Z=a=qe(a.current,null)
;P=Be=b;R=0;Lj=null;Mj=!1;fi=0;af=null;Oj=Nj=Yd=0;ef=Pj=null;Jd();return a}\nfunction
hk(a,b){qf.current=Gf;Jj.current=null;b===be?(b=ie()),R=Xh()&&0===(Yd&268435455)&&0===(Nj&268435455)
?2:3);b===ce?(b=ie()),R=4):R=b===Wg?8:null!==(b&&"object"===typeof b&&"function"===typeof
b.then?6:1;Lj=b;null===Z&&(fi=1,af=b)}function Xh(){if((P&8388480)===P)return null===Fe?!0:!1;var
a=Ee.current;return null===a||(P&125829120)!==(P&&0===(P&1073741824)?!1:a===Fe)}function
ik(a){a=mj(a);jk=a.ownerDocument||a;kk=lk.current;lk.current=mk;a=Hj.current;Hj.current=Gf;return
null===a?Gf:a}\nfunction nk(){var a=Ij.current;Ij.current=Fj;return a}function
yh(){fi=4;null===Q||0===(Yd&268435455)&&0===(Nj&268435455)||cf(Q,P)}function Ze(a,b){var c=M;M|=2;var
d=ik(a.containerInfo),e=nk();if(Q!==(a||P!==(b))ff=null,bf(a,b);a:do try{if(0!==(R&&null!==(Z)){b=Z;var
f=Lj;switch(R){case 8:fk();fi=6;break
a;default:R=0,Lj=null,ok(b,f)}pk();break}catch(g){hk(a,g)}while(1);Kh();M=c;lk.current=kk;kk=null;Hj.current=d
;Ij.current=e;if(null!==(Z)throw Error(u(261));Q=null;P=0;Jd();return fi}\nfunction
pk(){for(;null!==(Z);qk(Z)}\nfunction Wj(a,b){var c=M;M|=2;var
d=ik(a.containerInfo),e=nk();if(Q!==(a||P!==(b))ff=null,hi=ua()+500,bf(a,b);a:do try{if(0!==(R&&null!==(Z)){b=Z;var
f=Lj;b:switch(R){case 1:R=0;Lj=null;ok(b,f);break;case
2:if(ee(f)){R=0;Lj=null;rk(b);break}b=function(){2===R&&Q===a&&(R=7);Ue(a)};f.then(b,b);break a;case
3:R=7;break a;case 4:R=5;break a;case 7:ee(f)?(R=0,Lj=null,rk(b)):(R=0,Lj=null,ok(b,f));break;case
5:switch(Z.tag){case 5:case 26:case 27:b=Z;R=0;Lj=null;var g=b.sibling;if(null!==(g)Z=g;else{var
h=b.return;\nnull!==(h?(Z=h,sk(h)):Z=null)}break b}R=0;Lj=null;ok(b,f);break;case

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6:R=0;Lj=null;ok(b,f);break;case 8:fk();fi=6;break a;default:throw
Error(u(462));}tk();break}catch(l){hk(a,l)}while(1);Kh();lk.current=kk;kk=null;Hj.current=d;Ij.current=e;M=c;if(n
ull!==(Z))return 0;Q=null;P=0;Jd();return fi}function tk(){for(;null!==(Z&&!sa());)qk(Z)}function qk(a){var
b=uk(a.alternate,a,Be);a.memoizedProps=a.pendingProps;null===b?sk(a):Z=b;Jj.current=null}\nfunction rk(a){var
b=a.alternate;switch(a.tag){case 2:a.tag=0;case 15:case 0:var
c=a.type,d=a.pendingProps;d=a.elementType===c?d:Fg(c,d);var
e=Nc(c)?Lc:Jc.current;e=Mc(a,e);b=jh(b,a,d,c,e,P);break;case
11:c=a.type.render;d=a.pendingProps;d=a.elementType===c?d:Fg(c,d);b=jh(b,a,d,c,a.ref,P);break;default:ji(b,a,a=
Z=gi(a,Be),b=uk(b,a,Be)}a.memoizedProps=a.pendingProps;null===b?sk(a):Z=b;Jj.current=null}\nfunction
ok(a,b){Kh();Kf();je=null;ke=0;var c=a.return;if(null===c||null===Q)fi=1,af=b,Z=null;else{try{a:{var
d=Q,e=b;b=P;a.flags|=32768;if(null!==(e&&"object"===typeof e&&"function"===typeof e.then){var
f=e,g=a.tag;if(0===(a.mode&1)&&(0===g||1===g||15===g))){var
h=a.alternate;h?(a.updateQueue=h.updateQueue,a.memoizedState=h.memoizedState,a.lanes=h.lanes):(a.updateQueu
e=null,a.memoizedState=null)}var l=Ee.current;if(null!==l){switch(l.tag){case
13:a.mode&1&&(null===Fe?yh():null===l.alternate&&0===\nfi&&(fi=3));l.flags&=
257;Ug(l,c,a,d,b);if(f===de)l.flags|=16384;else{var p=l.updateQueue;null===p?l.updateQueue=new
Set([f]):p.add(f)}break;case 22:if(l.mode&1){l.flags|=65536;if(f===de)l.flags|=16384;else{var
r=l.updateQueue;if(null===r){var w={transitions:null,markerInstances:null,retryQueue:new
Set([f]);l.updateQueue=w}else{var q=r.retryQueue;null===q?r.retryQueue=new
Set([f]):q.add(f)}break}default:throw Error(u(435,l.tag));}l.mode&1&&vk(d,f,b);break a}else
if(1===d.tag){vk(d,f,b);yh();break a}else e=\nError(u(426))}else
if(K&&a.mode&1&&(f=Ee.current,null!==f)){0===(f.flags&65536)&&(f.flags|=256);Ug(f,c,a,d,b);Fd(Mg(e,a));br
eak a}d=e=Mg(e,a);4!==(fi&&(fi=2));null===Pj?Pj=[d]:Pj.push(d);d=c;do{switch(d.tag){case 3:var
t=e;d.flags|=65536;b&=-b;d.lanes|=b;var y=Pg(d,t,b);Wd(d,y);break a;case 1:g=e;var
B=d.type,N=d.stateNode;if(0===(d.flags&128)&&(\nfunction"===typeof
B.getDerivedStateFromError||null!==N&&"function"===typeof
N.componentDidCatch&&(null===Tg||!Tg.has(N)))){d.flags|=65536;y=b&-
b;d.lanes|=ny;t=Sg(d,g,y);Wd(d,t);break a}}d=d.return}while(null!==d)}catch(O){throw
Z=c,O};if(a.flags&32768)a:{do{c=ii(a.alternate,a);if(null===c){c.flags&=32767;Z=c;break
a}a=a.return;null===a&&(a.flags|=32768,a.subtreeFlags=0,a.deletions=null);Z=a}while(null===a);fi=6;Z=null}else
sk(a)}function sk(a){var b=a;do{a=b.return;var
c=$h(b.alternate,b,Be);if(null===c){Z=c;return}b=b.sibling;if(null===b){Z=b;return}Z=b=a}while(null===b);0===fi
&&(fi=5)}\nfunction df(a,b,c){var
d=F,e=Kj.transition;try{Kj.transition=null,F=2,wk(a,b,c,d)}finally{Kj.transition=e,F=d}return null}\nfunction
wk(a,b,c,d){do Ye();while(null!==Rj);if(0!==(M&6))throw Error(u(327));var
e=a.finishedWork,f=a.finishedLanes;if(null===e)return
null;a.finishedWork=null;a.finishedLanes=0;if(e===a.current)throw
Error(u(177));a.callbackNode=null;a.callbackPriority=0;a.cancelPendingCommit=null;var
g=e.lanes|e.childLanes;g|=Id;Ta(a,g);a===Q&&(Z=Q=null,P=0);0===(e.subtreeFlags&10256)&&0===(e.flags&10
256)||Qj||(Qj=!0,Tj=g,Uj=c,xk(ya,function(){Ye();return
null}));c=0!==(e.flags&15990);if(0!==(e.subtreeFlags&15990)||\nc){c=Kj.transition;Kj.transition=null;var
h=F;F=2;var
l=M;M|=4;Jj.current=null;Ai(a,e);ej(e,a);yk(Fi);Ci=!Bi;Fi=Bi=null;a.current=e;Mi(a,e.alternate,e);ta();M=l;F=h;Kj.
transition=c}else
a.current=e;Qj?(Qj=!1,Rj=a,Sj=f):zk(a,g);g=a.pendingLanes;0===g&&(Tg=null);Ea(e.stateNode,d);Ue(a);if(null!=
=b)for(d=a.onRecoverableError,e=0;e<b.length;e++)f=b[e],g={digest:f.digest,componentStack:f.stack},d(f.value,g);
if(Qg)throw
Qg=!1,a=Rg,Rg=null,a;0!==(Sj&3)&&0!==(a.tag&&Ye());g=a.pendingLanes;0!==(g&3)?a===Pd?\nOd++:(Od=0,P

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d=a):Od=0;Xe(!1);return null}function
zk(a,b){0===a.pooledCacheLanes&&b)&&(b=a.pooledCache,null!=b&&(a.pooledCache=null,Rh(b)))}\nfunction
Ye(){if(null!==Rj){var a=Rj,b=Tj;Tj=0;var c=Wa(Sj),d=32>c?32:c;c=Kj.transition;var
e=F;try{Kj.transition=null;F=d;if(null===Rj)var f=!1;else{d=Uj;Uj=null;var
g=Rj,h=Sj;Rj=null;Sj=0;if(0!==(M&6))throw Error(u(331));var
l=M;M|=4;Dj(g.current);tj(g,g.current,h,d);M=1;Xe(!1);if(Da&&"function"===typeof
Da.onPostCommitFiberRoot)try{Da.onPostCommitFiberRoot(Ca,g)}catch(p){f=!0}return
f}finally{F=e,Kj.transition=c,zk(a,b)}}return!1}\nfunction
Ak(a,b,c){b=Mg(c,b);b=Pg(a,b,2);a=Ud(a,b,2);null!==a&&(Sa(a,2),Ue(a))}function
Y(a,b,c){if(3===a.tag)Ak(a,a,c);else for(;;null!==b);if(3===b.tag){Ak(b,a,c);break}else if(1===b.tag){var
d=b.stateNode;if("\function"===typeof b.type.getDerivedStateFromError||"\function"===typeof
d.componentDidCatch&&(null===Tg||!Tg.has(d))){a=Mg(c,a);a=Sg(b,a,2);b=Ud(b,a,2);null!==b&&(Sa(b,2),Ue(b
));break}}b=b.return}}\nfunction vk(a,b,c){var d=a.pingCache;if(null===d){d=a.pingCache=new Gj;var e=new
Set;d.set(b,e)}else e=d.get(b),void 0===e&&(e=new
Set,d.set(b,e));e.has(c)||Mj=!0,e.add(c),a=Bk.bind(null,a,b,c),b.then(a,a)}function Bk(a,b,c){var
d=a.pingCache;null!==d&&d.delete(b);a.pingedLanes|=a.suspendedLanes&c;Q===a&&(P&c)===c&&(4===fi||3=
===fi&&(P&125829120)===P&&500>ua()-nj?0===(M&2)&&bf(a,0):Oj|=c);Ue(a)}function
Ck(a,b){0===b&&(b=0===(a.mode&1)?2:Qa());a=Md(a,b);null!==a&&(Sa(a,b),Ue(a))}\nfunction zh(a){var
b=a.memoizedState,c=0;null!==b&&(c=b.retryLane);Ck(a,c)}function cj(a,b){var c=0;switch(a.tag){case 13:var
d=a.stateNode;var e=a.memoizedState;null!==e&&(c=e.retryLane);break;case 19:d=a.stateNode;break;case
22:d=a.stateNode._retryCache;break;default:throw Error(u(314));}null!==d&&d.delete(b);Ck(a,c)}var
uk; nuk=function(a,b,c){if(null!==a)if(a.memoizedProps!==b.pendingProps||Kc.current)Uf=!0;else if(0===(a.lanes
&c)&&0===(b.flags&128))return Uf=!1,Eh(a,b,c);Uf=0!==(a.flags&131072)?!0:!1}else
Uf=!1,K&&0!==(b.flags&1048576)&&ed(b,Yc,b.index);b.lanes=0;switch(b.tag){case 2:var
d=b.type;lh(a,b);a=b.pendingProps;var e=Mc(b,Jc.current);Zg(b,c);e=Bf(null,b,d,a,e,c);var
f=If();b.flags|=1;"object"===typeof e&&null!==e&&"function"===typeof e.render&&void
0===e.$$typeof?(b.tag=1,b.memoizedState=null,b.updateQueue=\nnull,Nc(d)?(f=!0,Rc(b)):f=!1,b.memoizedState=
null!==e.state&&void
0!===e.state?e.state:null,Rd(b),e.updater=Hg,b.stateNode=e,e._reactInternals=b,Lg(b,d,a,c),b=mh(null,b,d,!0,f,c)):b.
tag=0,K&&f&&fd(b),Xg(null,b,e,c),b=b.child);return b;case
16:d=b.elementType;a:{lh(a,b);a=b.pendingProps;e=d._init;d=e(d._payload);b.type=d;e=b.tag=Dk(d);a=Fg(d,a);swi
tch(e){case 0:b=dh(null,b,d,a,c);break a;case 1:b=kh(null,b,d,a,c);break a;case 11:b=Yg(null,b,d,a,c);break a;case
14:b=ah(null,b,d,Fg(d.type,a),c);break a}throw Error(u(306,\nd,\n"));}return b;case 0:return
d=b.type,e=b.pendingProps,e=b.elementType===d?e:Fg(d,e),dh(a,b,d,e,c);case 1:return
d=b.type,e=b.pendingProps,e=b.elementType===d?e:Fg(d,e),kh(a,b,d,e,c);case 3:a:{nh(b);if(null===a)throw
Error(u(387));e=b.pendingProps;f=b.memoizedState;d=f.element;Sd(a,b);Xd(b,e,null,c);var
g=b.memoizedState;e=g.cache;Fh(b,W,e);e!==f.cache&&Mh(b,W,c);e=g.element;if(f.isDehydrated)if(f={element:e
,isDehydrated:!1,cache:g.cache},b.updateQueue.baseState=f,b.memoizedState=f,b.flags&256){d=\nMg(Error(u(423
)),b);b=oh(a,b,e,c,d);break a}else if(e!===d){d=Mg(Error(u(424)),b);b=oh(a,b,e,c,d);break a}else
for(J=nd(b.stateNode.containerInfo.firstChild),G=b,K=!0,hd=null,id=!0,c=xe(b,null,e,c),b.child=c;c;c.c.flags=c.flags
&-3|4096,c=c.sibling;else{Ed();if(e===d){b=$g(a,b,c);break a}Xg(a,b,e,c)}b=b.child}return b;case 26:return
fh(a,b),c=b.memoizedState=Ek(b.type,null===a?null:a.memoizedProps,b.pendingProps),null!==a||K||null!==c||(c=b.
type,a=b.pendingProps,d=ci(ka.current).createElement(c),d[Za]=\nb,d[$a]=a,di(d,c,a),nb(d),b.stateNode=d),null;cas
e 27:return
oa(b),null===a&&K&&(d=b.stateNode=bi(b.type,b.pendingProps,ka.current),G=b,id=!0,J=nd(d.firstChild)),d=b.pe
ndingProps.children,null!==a||K?Xg(a,b,d,c):b.child=we(b,null,d,c),fh(a,b),b.child;case 5:return
oa(b),null===a&&K&&((d=b.pendingProps,"\script"===b.type?(e=d.onLoad,f=d.onError,d!=(d.async&&(e||f))):d
=!0,d)?(d=J,id&&sd(b),e=J,e)?md(b,e)||qd(b)&&rd(),J=nd(e.nextSibling),f=G,id&&sd(b),J&&md(b,J)?jd(f,e):(ld(

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G,b,K=!1,G=b,J=d):(qd(b)&&\nrd(),ld(G,b),K=!1,G=b,J=d):(b.flags=b.flags&-
4097|2,K=!1,G=b)),d=b.type,e=b.pendingProps,f=null!==(a?memoizedProps:null,g=e.children,Cd(d,e)?g:null:null
!==(f&&Cd(d,f)&&(b.flags|=32),fh(a,b),Xg(a,b,g,c),b.child;case 6:return
null===a&&K&&((c="\n"!==b.pendingProps,a=J.id&&c&&ud(),d=J,d&&c)?od(b,d)|(qd(b)&&rd(),J=nd(d.nextSib
ling),e=G.id&&c&&ud(),J&&od(b,J)?jd(e,d):(ld(G,b),K=!1,G=b,J=a)):qd(b)&&rd(),ld(G,b),K=!1,G=b,J=a)),null;c
ase 13:return sh(a,b,c);case 4:return
la(b,b.stateNode.containerInfo),d=\n.pendingProps,null===a?b.child=we(b,null,d,c):Xg(a,b,d,c),b.child;case
11:return d=b.type,e=b.pendingProps,e=b.elementType===d?e:Fg(d,e),Yg(a,b,d,e,c);case 7:return
Xg(a,b,b.pendingProps,c),b.child;case 8:return Xg(a,b,b.pendingProps.children,c),b.child;case 12:return
Xg(a,b,b.pendingProps.children,c),b.child;case
10:a:{d=b.type._context;e=b.pendingProps;f=b.memoizedProps;g=e.value;Fh(b,d,g);if(null!==(f)if(Uc(f.value,g))){if(
f.children===e.children&&!Kc.current){b=$g(a,b,c);break a}}else
Mh(b,d,c);\nXg(a,b,e.children,c);b=b.child}return b;case 9:return
e=b.type,d=b.pendingProps.children,Zg(b,c),e=Qf(e),d=d(e),b.flags|=1,Xg(a,b,d,c),b.child;case 14:return
d=b.type,e=Fg(d,b.pendingProps),e=Fg(d.type,e),ah(a,b,d,e,c);case 15:return ch(a,b,b.type,b.pendingProps,c);case
17:return
d=b.type,e=b.pendingProps,e=b.elementType===d?e:Fg(d,e),lh(a,b),b.tag=1,Nc(d)?(a=!0,Rc(b)):a=!1,Zg(b,c),Jg(b,
d,e),Lg(b,d,e,c),mh(null,b,d,!0,a,c);case 19:return Dh(a,b,c);case 22:return eh(a,b,c);case 24:return
Zg(b,c),d=\nQf(W),null===a?(e=ih(),null===e&&(e=Q,f=Ag()),e.pooledCache=f,f.refCount++,null!==(f&&(e.poole
dCacheLanes|=c),e=f),b.memoizedState={parent:d,cache:e},Rd(b),Fh(b,W,e)):(!==(a.lanes&c)&&(Sd(a,b),Xd(b,n
ull,null,c)),e=a.memoizedState,f=b.memoizedState,e.parent!==(d?(e={parent:d,cache:d},b.memoizedState=e,0===b.l
anes&&(b.memoizedState=b.updateQueue.baseState=e),Fh(b,W,d)):d=f.cache,Fh(b,W,d),d!==(e.cache&&Mh(b,W,
c))),Xg(a,b,b.pendingProps.children,c),b.child}throw Error(u(156,b.tag));}\nfunction xk(a,b){return
qa(a,b)}function
Fk(a,b,c,d){this.tag=a;this.key=c;this.sibling=this.child=this.return=this.stateNode=this.type=this.elementType=null
;this.index=0;this.refCleanup=this.ref=null;this.pendingProps=b;this.dependencies=this.memoizedState=this.update
Queue=this.memoizedProps=null;this.mode=d;this.subtreeFlags=this.flags=0;this.deletions=null;this.childLanes=thi
s.lanes=0;this.alternate=null}function kd(a,b,c,d){return new Fk(a,b,c,d)}\nfunction
bh(a){a=a.prototype;return(!(a||!a.isReactComponent))}function Dk(a){if("\function"===typeof a)return
bh(a)?1:0;if(void 0!==(a&&null!==(a)){a=a.$$typeof;if(a===Jb)return 11;if(a===Mb)return 14}return 2)}\nfunction
qe(a,b){var
c=a.alternate;null===c?(c=kd(a.tag,b,a.key,a.mode),c.elementType=a.elementType,c.type=a.type,c.stateNode=a.stat
eNode,c.alternate=a,a.alternate=c):(c.pendingProps=b,c.type=a.type,c.flags=0,c.subtreeFlags=0,c.deletions=null);c.f
lags=a.flags&31457280;c.childLanes=a.childLanes;c.lanes=a.lanes;c.child=a.child;c.memoizedProps=a.memoizedP
rops;c.memoizedState=a.memoizedState;c.updateQueue=a.updateQueue;b=a.dependencies;c.dependencies=null===
b?null:{lanes:b.lanes,firstContext:b.firstContext};\nnc.sibling=a.sibling;c.index=a.index;c.ref=a.ref;c.refCleanup=a.re
fCleanup;return c}\nfunction gi(a,b){a.flags&=31457282;var
c=a.alternate;null===c?(a.childLanes=0,a.lanes=b,a.child=null,a.subtreeFlags=0,a.memoizedProps=null,a.memoize
dState=null,a.updateQueue=null,a.dependencies=null,a.stateNode=null):(a.childLanes=c.childLanes,a.lanes=c.lanes,
a.child=c.child,a.subtreeFlags=0,a.deletions=null,a.memoizedProps=c.memoizedProps,a.memoizedState=c.memoiz
edState,a.updateQueue=c.updateQueue,a.type=c.type,b=c.dependencies,a.dependencies=null===b?null:{lanes:b.lan
es,firstContext:b.firstContext});\nreturn a}\nfunction se(a,b,c,d,e,f){var g=2;d=a;if("\function"===typeof
a)bh(a)&&(g=1);else if("\string"===typeof
a)g=Gk(a,c,ia.current)?26:\"html"===a||"\head"===a||"\body"===a?27:5;else a:switch(a){case Db:return
ue(c.children,e,f,b);case Eb:g=8;e|=8;0!==(e&1)&&(e|=16);break;case Fb:return
a=kd(12,c,b,e|2),a.elementType=Fb,a.lanes=f,a;case Kb:return a=kd(13,c,b,e),a.elementType=Kb,a.lanes=f,a;case
Lb:return a=kd(19,c,b,e),a.elementType=Lb,a.lanes=f,a;case Pb:return wh(c,e,f,b);case Qb:case Ob:case Rb:return
a=kd(24,\nc,b,e),a.elementType=Rb,a.lanes=f,a;default:if("\object"===typeof

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a&&null!==(a).switch(a.$typeof){case Gb:g=10;break a;case Hb:g=9;break a;case Jb:g=11;break a;case
Mb:g=14;break a;case Nb:g=16;d=null;break a}throw Error(u(130,null==(a).typeof
a,\'\''));b=kd(g,c,b,e);b.elementType=a;b.type=d;b.lanes=f;return b}function
ue(a,b,c,d){a=kd(7,a,d,b);a.lanes=c;return a}\nfunction wh(a,b,c,d){a=kd(22,a,d,b);a.elementType=Pb;a.lanes=c;var
e={_visibility:1,_pendingVisibility:1,_pendingMarkers:null,_retryCache:null,_transitions:null,_current:null,detach:f
unction(){var f=e._current;if(null===f)throw Error(u(456));if(0===(e._pendingVisibility&2)){var
g=Md(f,2);null!==(g&&(e._pendingVisibility|=2,eg(g,f,2)))},attach:function(){var f=e._current;if(null===f)throw
Error(u(456));if(0===(e._pendingVisibility&2)){var g=Md(f,2);null!==(g&&(e._pendingVisibility&=
3,eg(g,f,2)))}};na.stateNode=e;return a}function re(a,b,c){a=kd(6,a,null,b);a.lanes=c;return a}function
te(a,b,c){b=kd(4,null==(a).children?a.children:[],a.key,b);b.lanes=c;b.stateNode={containerInfo:a.containerInfo,pendingChildren:null,implementation:a.implementation};return b}\nfunction
Hk(a,b,c,d,e){this.tag=b;this.containerInfo=a;this.finishedWork=this.pingCache=this.current=this.pendingChildren=
null;this.timeoutHandle=
1;this.callbackNode=this.next=this.pendingContext=this.context=this.cancelPendingCommit=null;this.callbackPriority=0;this.expirationTimes=Ra(-
1);this.entangledLanes=this.errorRecoveryDisabledLanes=this.finishedLanes=this.mutableReadLanes=this.expiredLanes=this.pingedLanes=this.suspendedLanes=this.pendingLanes=0;this.entanglements=Ra(0);this.hiddenUpdates=\nRa(null);this.identifierPrefix=d;this.onRecoverableError=e;this.pooledCache=null;this.pooledCacheLanes=0;this.mutableSourceEagerHydrationData=null;this.incompleteTransitions=new Map}function Ik(a,b,c,d,e,f,g,h,l){a=new
Hk(a,b,c,h,l);l===b?(b=!0===f&&(b|=24)):b=0;f=kd(3,null,null,b);a.current=f;f.stateNode=a;b=Ag();b.refCount++;a.pooledCache=b;b.refCount++;f.memoizedState={element:d,isDehydrated:c,cache:b};Rd(f);return a}\nfunction
Jk(a,b,c){var d=3<arguments.length&&void
0!=arguments[3]?arguments[3]:null;return {$typeof:Cb,key:null==(d)?null:\'\'+d,children:a,containerInfo:b,implementation:c}}\nfunction Kk(a){if(!a)return Ic;a=a._reactInternals;a={if(Cc(a)!==(a)|1==(a).tag)throw
Error(u(170));var b=a;do{switch(b.tag){case 3:b=b.stateNode.context;break a;case
1:if(Nc(b.type)){b=b.stateNode.__reactInternalMemoizedMergedChildContext;break
a}}b=b.return}while(null!=b);throw Error(u(171));}if(1==(a).tag){var c=a.type;if(Nc(c))return Qc(a,c,b)}return
b}\nfunction
Lk(a,b,c,d,e,f,g,h,l){a=Ik(c,d,!0,a,e,f,g,h,l);a.context=Kk(null);c=a.current;d=zg(c);e=Td(d);e.callback=void
0!=b&&null!=b?b:null;Ud(c,e,d);a.current.lanes=d;Sa(a,d);Ue(a);return a}function Mk(a,b,c,d){var
e=b.current,f=zg(e);c=Kk(c);null===b.context?b.context=c:b.pendingContext=c;b=Td(f);b.payload={element:a};d=
void 0===d?null:d;null!=d&&(b.callback=d);a=Ud(e,b,f);null==(a&&(eg(a,e,f),Vd(a,e,f)));return f}\nfunction
Nk(a){a=a.current;if(!a.child)return null;switch(a.child.tag){case 27:case 5:return a.child.stateNode;default:return
a.child.stateNode}}function Ok(a){switch(a.tag){case 3:var
b=a.stateNode;if(b.current.memoizedState.isDehydrated){var
c=La(b.pendingLanes);0===c&&(Ua(b,c|2),Ue(b),0===(M&6)&&(hi=ua()+500,Xe(!1)))}break;case
13:ek(function(){var d=Md(a,2);null!=d&&eg(d,a,2)},Pk(a,2))}\nfunction
Qk(a,b){a=a.memoizedState;if(null==(a&&null==(a).dehydrated){var
c=a.retryLane;a.retryLane=0!=c&&c<b?c:b}}function Pk(a,b){Qk(a,b);(a=a.alternate)&&Qk(a,b)}function
Rk(a){if(13==(a).tag){var b=Md(a,134217728);null!=b&&eg(b,a,134217728);Pk(a,134217728)}}function
Sk(){return null}var Tk=!1;function Uk(a,b,c){if(Tk)return a(b,c);Tk=!0;try{return
dk(a,b,c)}finally{if(Tk=!1,null!=xc||null!=yc)ek(),Bc()}}\nfunction Vk(a,b){var
c=a.stateNode;if(null===c)return null;var d=lb(c);if(null===d)return null;c=d[b];a.switch(b){case \'onClick\':case
\'onClickCapture\':case \'onDoubleClick\':case \'onDoubleClickCapture\':case \'onMouseDown\':case
\'onMouseDownCapture\':case \'onMouseMove\':case \'onMouseMoveCapture\':case \'onMouseUp\':case
\'onMouseUpCapture\':case
\'onMouseEnter\':(d=!d.disabled)||a=a.type,d=(\'button\'===a||\'input\'===a||\'select\'===a||\'textarea\'===a));a
=!d;break a;default:a=!1}if(a)return null;if(c&&\'function\'!=\nntypeof c)throw Error(u(231,b,typeof c));return

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c}var Wk=!1;if(sb)try{var
Xk={};Object.defineProperty(Xk,"passive",{get:function(){Wk=!0}});window.addEventListener("test",Xk,Xk);
window.removeEventListener("test",Xk,Xk)}catch(a){Wk=!1}var Yk=!1,Zk=null,$k=null,al=null,bl=new
Map,cl=new Map,dl=[],el="mousedown mouseup touchcancel touchend touchstart auxclick dblclick pointercancel
pointerdown pointerup dragend dragstart drop compositionend compositionstart keydown keypress keyup input
textInput copy cut paste click change contextmenu reset submit".split(" ");\nfunction fl(a,b){switch(a){case
"focusin":case "focusout":Zk=null;break;case "dragenter":case "dragleave":$k=null;break;case
"mouseover":case "mouseout":al=null;break;case "pointerover":case
"pointerout":bl.delete(b.pointerId);break;case "gotpointercapture":case
"lostpointercapture":cl.delete(b.pointerId)}}\nfunction gl(a,b,c,d,e,f){if(null===a||a.nativeEvent!==f)return
a={blockedOn:b,domEventName:c,eventSystemFlags:d,nativeEvent:f,targetContainers:[e]},null!==b&&(b=jb(b),nu
ll!==b&&Rk(b)),a;a.eventSystemFlags|=d;b=a.targetContainers;null!==e&&-1===b.indexOf(e)&&b.push(e);return
a}\nfunction hl(a,b,c,d,e){switch(b){case "focusin":return Zk=gl(Zk,a,b,c,d,e),!0;case "dragenter":return
$k=gl($k,a,b,c,d,e),!0;case "mouseover":return al=gl(al,a,b,c,d,e),!0;case "pointerover":var
f=e.pointerId;bl.set(f,gl(bl.get(f)||null,a,b,c,d,e));return!0;case "gotpointercapture":return
f=e.pointerId,cl.set(f,gl(cl.get(f)||null,a,b,c,d,e)),!0}return!1}\nfunction il(a){var b=hb(a.target);if(null===b){var
c=Cc(b);if(null===c)if(b=c.tag,13===b){if(b=Dc(c),null===b){a.blockedOn=b;Va(a.priority,function(){if(13===c.ta
g){var d=zg(c),e=Md(c,d);null===e&&eg(e,c,d);Pk(c,d)}});return}}else
if(3===b&&c.stateNode.current.memoizedState.isDehydrated){a.blockedOn=3===c.tag?c.stateNode.containerInfo:
null;return}}a.blockedOn=null}\nfunction jl(a){if(null===a.blockedOn)return!1;for(var
b=a.targetContainers;0<b.length;){var c=kl(a.nativeEvent);if(null===c){c=a.nativeEvent;var d=new
c.constructor(c.type,c);vc=d;c.target.dispatchEvent(d);vc=null}else return
b=jb(c),null===b&&Rk(b),a.blockedOn=c,!1;b.shift()}return!0}function ll(a,b,c){jl(a)&&c.delete(b)}function
ml(){Yk=!1;null===Zk&&jl(Zk)&&(Zk=null);null===$k&&jl($k)&&($k=null);null===al&&jl(al)&&(al=null);bl.fo
rEach(ll);cl.forEach(ll)}\nfunction
nl(a,b){a.blockedOn===b&&(a.blockedOn=null,Yk||(Yk=!0,ba.unstable_scheduleCallback(ba.unstable_NormalPrio
rity,ml))})function $i(a){function b(e){return
nl(e,a)}null===Zk&&nl(Zk,a);null===$k&&nl($k,a);null===al&&nl(al,a);bl.forEach(b);cl.forEach(b);for(var
c=0;c<dl.length;c++){var
d=dl[c];d.blockedOn===a&&(d.blockedOn=null)}for(0<dl.length&&(c=dl[0],null===c.blockedOn);il(c),null===
c.blockedOn&&dl.shift()){var ol=Ba.ReactCurrentBatchConfig.Ci=!0;\nfunction pl(a,b,c,d){var
e=F,f=ol.transition;ol.transition=null;try{F=2,ql(a,b,c,d)}finally{F=e,ol.transition=f}}function rl(a,b,c,d){var
e=F,f=ol.transition;ol.transition=null;try{F=8,ql(a,b,c,d)}finally{F=e,ol.transition=f}}\nfunction
ql(a,b,c,d){if(Ci){var e=kl(d);if(null===e)sl(a,b,d,tl,c),fl(a,d);else if(hl(e,a,b,c,d))d.stopPropagation();else
if(fl(a,d),b&4&&-1<el.indexOf(a)){for(;;null===e){var
f=jb(e);null===f&&Ok(f);f=kl(d);null===f&&sl(a,b,d,tl,c);if(f===e)break;e=f}null===e&&d.stopPropagation()}els
e sl(a,b,d,null,c)}var tl=null;\nfunction kl(a){tl=null;a=wc(a);a=hb(a);if(null===a){var
b=Cc(a);if(null===b)a=null;else{var c=b.tag;if(13===c){a=Dc(b);if(null===a)return a;a=null}else
if(3===c){if(b.stateNode.current.memoizedState.isDehydrated)return
3===b.tag?b.stateNode.containerInfo:null;a=null}else b!==a&&(a=null)}tl=a;return null}\nfunction
Vj(a){switch(a){case "cancel":case "click":case "close":case "contextmenu":case "copy":case "cut":case
"auxclick":case "dblclick":case "dragend":case "dragstart":case "drop":case "focusin":case "focusout":case
"input":case "invalid":case "keydown":case "keypress":case "keyup":case "mousedown":case
"mouseup":case "paste":case "pause":case "play":case "pointercancel":case "pointerdown":case
"pointerup":case "ratechange":case "reset":case "resize":case "seeked":case "submit":case
"touchcancel":case "touchend":case "touchstart":case "volumechange":case "change":case
"selectionchange":case "textInput":case "compositionstart":case "compositionend":case
"compositionupdate":case "beforeblur":case "afterblur":case "beforeinput":case "blur":case

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\fullscreenchange\":case \"focus\":case \"hashchange\":case \"popstate\":case \"select\":case \"selectstart\":return
2;case \"drag\":case \"dragenter\":case \"dragexit\":case \"dragleave\":case \"dragover\":case \"mousemove\":case
\"mouseout\":case \"mouseover\":case \"pointermove\":case \"pointerout\":case \"pointerover\":case \"scroll\":case
\"toggle\":case \"touchmove\":case \"wheel\":case \"mouseenter\":case \"mouseleave\":case \"pointerenter\":case
\"pointerleave\":return 8;\n case \"message\":switch(va()){case wa:return 2;case xa:return 8;case ya:case za:return
32;case Aa:return 536870912;default:return 32}default:return 32} } var ul=null,vl=null,wl=null;function
xl(){if(wl)return wl;var a,b=vl,c=b.length,d,e=\"value\"in
ul?ul.value:ul.textContent,f=e.length;for(a=0;a<c&&b[a]===e[a];a++);var g=c-a;for(d=1;d<=g&&b[c-d]===e[f-
d];d++);return wl=e.slice(a,1<d?1-d:void 0)}\nfunction yl(a){var b=a.keyCode;\"charCode\"in
a?(a=a.charCode,0===a&&13===b&&(a=13)):a=b;10===a&&(a=13);return 32<=a||13===a?a:0}function
zl(){return!0}function Al(){return!1}\nfunction Bl(a){function
b(c,d,e,f,g){this._reactName=c;this._targetInst=e;this.type=d;this.nativeEvent=f;this.target=g;this.currentTarget=null;
for(var h in
a)a.hasOwnProperty(h)&&(c=a[h],this[h]=c(f):f[h]);this.isDefaultPrevented=(null!=f.defaultPrevented?f.defaultPr
evented:!1===f.returnValue)?zl:Al;this.isPropagationStopped=Al;return
this}C(b.prototype,{preventDefault:function(){this.defaultPrevented=!0;var
c=this.nativeEvent;c&&(c.preventDefault?c.preventDefault():\"unknown\"!==typeof
c.returnValue&&\\n(c.returnValue=!1),this.isDefaultPrevented=zl)},stopPropagation:function(){var
c=this.nativeEvent;c&&(c.stopPropagation?c.stopPropagation():\"unknown\"!==typeof
c.cancelBubble&&(c.cancelBubble=!0),this.isPropagationStopped=zl)},persist:function(){},isPersistent:zl});return
b}\nvar Cl={eventPhase:0,bubbles:0,cancelable:0,timeStamp:function(a){return
a.timeStamp||Date.now()}},defaultPrevented:0,isTrusted:0,Dl=Bl(Cl),El=C({},Cl,{view:0,detail:0}),Fl=Bl(El),Gl,H
l,Il,Kl=C({},El,{screenX:0,screenY:0,clientX:0,clientY:0,pageX:0,pageY:0,ctrlKey:0,shiftKey:0,altKey:0,metaKey:
0,getModifierState:Jl,button:0,buttons:0,relatedTarget:function(a){return void
0===a.relatedTarget?a.fromElement===a.srcElement?a.toElement:a.relatedTarget},movementX:fun
ction(a){if(\"movementX\"in\\na)return a.movementX;a!==Il&&(Il&&\"mousemove\"===a.type?(Gl=a.screenX-
Il.screenX,Hl=a.screenY-Il.screenY):Hl=Gl=0,Il=a);return Gl},movementY:function(a){return\"movementY\"in
a?a.movementY:Hl}},Ll=Bl(Kl),Ml=C({},Kl,{dataTransfer:0}),Nl=Bl(Ml),Ol=C({},El,{relatedTarget:0}),Pl=Bl(O
l),Ql=C({},Cl,{animationName:0,elapsedTime:0,pseudoElement:0}),Rl=Bl(Ql),Sl=C({},Cl,{clipboardData:function
(a){return\"clipboardData\"in
a?a.clipboardData>window.clipboardData}),Tl=Bl(Sl),Ul=C({},Cl,{data:0}),Vl=Bl(Ul),Wl={Esc:\"Escape\",\\nSpa
cebar:\\n
\",Left:\"ArrowLeft\",Up:\"ArrowUp\",Right:\"ArrowRight\",Down:\"ArrowDown\",Del:\"Delete\",Win:\"OS\",Men
u:\"ContextMenu\",Apps:\"ContextMenu\",Scroll:\"ScrollLock\",MozPrintableKey:\"Unidentified\"},Xl={8:\"Backs
pace\",9:\"Tab\",12:\"Clear\",13:\"Enter\",16:\"Shift\",17:\"Control\",18:\"Alt\",19:\"Pause\",20:\"CapsLock\",27:\"E
scape\",32:\\n
\",33:\"PageUp\",34:\"PageDown\",35:\"End\",36:\"Home\",37:\"ArrowLeft\",38:\"ArrowUp\",39:\"ArrowRight\",40
:\"ArrowDown\",45:\"Insert\",46:\"Delete\",112:\"F1\",113:\"F2\",114:\"F3\",115:\"F4\",116:\"F5\",117:\"F6\",118:\\n
\"F7\",\\n119:\"F8\",120:\"F9\",121:\"F10\",122:\"F11\",123:\"F12\",144:\"NumLock\",145:\"ScrollLock\",224:\"Meta
\"},Yl={Alt:\"altKey\",Control:\"ctrlKey\",Meta:\"metaKey\",Shift:\"shiftKey\"};function Zl(a){var
b=this.nativeEvent;return b.getModifierState?b.getModifierState(a):(a=Yl[a])?!b[a]:!1}function Jl(){return
Zl}\nvar $l=C({},El,{key:function(a){if(a.key){var b=Wl[a.key]||a.key;if(\"Unidentified\"!==b)return
b}return\"keypress\"===a.type?(a=yl(a),13===a?\"Enter\":String.fromCharCode(a)):\"keydown\"===a.type||\"keyup
\"===a.type?Xl[a.keyCode]||\"Unidentified\":\\n\"},code:0,location:0,ctrlKey:0,shiftKey:0,altKey:0,metaKey:0,repeat:0,locale:0,getModifierState:Jl,charCode:function(a){return\"keypress\"===a.type?yl(a):0},keyCode:function(a){ret
urn\"keydown\"===a.type||\"keyup\"===a.type?a.keyCode:0},which:function(a){return\"keypress\"===\\na.type?yl(a
):\"keydown\"===a.type||\"keyup\"===a.type?a.keyCode:0}),am=Bl($l),bm=C({},Kl,{pointerId:0,width:0,height:0
,pressure:0,tangentialPressure:0,tiltX:0,tiltY:0,twist:0,pointerType:0,isPrimary:0}),cm=Bl(bm),dm=C({},El,{touche

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s:0,targetTouches:0,changedTouches:0,altKey:0,metaKey:0,ctrlKey:0,shiftKey:0,getModifierState:Jl}),em=Bl(dm),f
m=C({},Cl,{propertyName:0,elapsedTime:0,pseudoElement:0}),gm=Bl(fm),hm=C({},Kl,{deltaX:function(a){retur
n"\deltaX"in a?a.deltaX:"wheelDeltaX"in a?-a.wheelDeltaX:0},\ndeltaY:function(a){return"\deltaY"in
a?a.deltaY:"wheelDeltaY"in a?-a.wheelDeltaY:"wheelDelta"in a?-
a.wheelDelta:0},deltaZ:0,deltaMode:0}),im=Bl(hm),jm=[9,13,27,32],km=sb&&"CompositionEvent"in
window,lm=null;sb&&"documentMode"in document&&(lm=document.documentMode);var
mm=sb&&"TextEvent"in
window&&!lm,nm=sb&&(!km||lm&&8<lm&&11>=lm),om=String.fromCharCode(32),qm=!1;\nfunction
rm(a,b){switch(a){case"keyup":return-1!==jm.indexOf(b.keyCode);case"keydown":return
229!==b.keyCode;case"keypress":case"mousedown":case"focusout":return!0;default:return!1}}function
sm(a){a=a.detail;return"object"===typeof a&&"data"in a?a.data:null}var tm=!1;function um(a,b){switch(a){case
"compositionend":return sm(b);case"keypress":if(32!==b.which)return null;qm=!0;return om;case
"textInput":return a=b.data,a===om&&qm?null:a;default:return null}}\nfunction
vm(a,b){if(tm)return"compositionend"===a||km&&rm(a,b)?(a=xl(),wl=vl=ul=null,tm=!1,a):null;switch(a){case
"paste":return null;case
"keypress":if(!(b.ctrlKey||b.altKey||b.metaKey)||b.ctrlKey&&b.altKey){if(b.char&&1<b.char.length)return
b.char;if(b.which)return String.fromCharCode(b.which)}return null;case"compositionend":return
nm&&"ko"!==b.locale?null:b.data;default:return null}}\nvar wm={color:!0,date:!0,datetime:!0,"datetime-
local":!0,email:!0,month:!0,number:!0,password:!0,range:!0,search:!0,tel:!0,text:!0,time:!0,url:!0,week:!0};function
xm(a){var
b=a&&a.nodeName&&a.nodeName.toLowerCase();return"input"===b?!wm[a.type]:"textarea"===b?!0:!1}func
tion ym(a,b,c,d){Ac(d);b=zm(b,"onChange");0<b.length&&(c=new
Dl("onChange","change",null,c,d),a.push({event:c,listeners:b}))}var Am=null,Bm=null;function
Cm(a){Dm(a,0)}function Em(a){var b=kb(a);if(gc(b))return a}\nfunction Fm(a,b){if("change"===a)return b}var
Gm=!1;if(sb){var Hm;if(sb){var Im="oninput"in document;if(!Im){var
Jm=document.createElement("div");Jm.setAttribute("oninput","return;");Im="function"===typeof
Jm.oninput}Hm=Im}else Hm=!1;Gm=Hm&&(document.documentMode||9<document.documentMode)}function
Km(){Am&&(Am.detachEvent("onpropertychange",Lm),Bm=Am=null)}function
Lm(a){if("value"===a.propertyName&&Em(Bm)){var b=[];ym(b,Bm,a,wc(a));Uk(Cm,b)}\nfunction
Mm(a,b,c){if("focusin"===a?(Km(),Am=b,Bm=c,Am.attachEvent("onpropertychange",Lm)):"focusout"===a&&
Km())function Nm(a){if("selectionchange"===a||"keyup"===a||"keydown"===a)return Em(Bm)}function
Om(a,b){if("click"===a)return Em(b)}function Pm(a,b){if("input"===a||"change"===a)return Em(b)}function
Qm(a){for(;a&&a.firstChild;)a=a.firstChild;return a}\nfunction Rm(a,b){var c=Qm(a);a=0;for(var
d;c){if(3===c.nodeType){d=a+c.textContent.length;if(a<=b&&d>=b)return{node:c,offset:b-
a};a=d}a:{for(;c){if(c.nextSibling){c=c.nextSibling;break a}c=c.parentNode}c=void 0}c=Qm(c)}function
Sm(a,b){return
a&&b?a===b?!0:a&&3===a.nodeType?!1:b&&3===b.nodeType?Sm(a,b.parentNode):"contains"in
a?a.contains(b):a.compareDocumentPosition?!(a.compareDocumentPosition(b)&16):!1}\nfunction Di(){for(var
a=window,b=hc();b instanceof a.HTMLIFrameElement;){try{var c="string"===typeof
b.contentWindow.location.href}catch(d){c=!1}if(c)a=b.contentWindow;else break;b=hc(a.document)}return
b}function Ei(a){var b=a&&a.nodeName&&a.nodeName.toLowerCase();return
b&&("input"===b&&("text"===a.type||"search"===a.type||"tel"===a.type||"url"===a.type||"password"===
a.type)||"textarea"===b||"true"===a.contentEditable)}\nfunction yk(a){var
b=Di(),c=a.focusedElem,d=a.selectionRange;if(b!==c&&c&&c.ownerDocument&&Sm(c.ownerDocument.docume
ntElement,c)){if(null!==d&&Ei(c))if(b=d.start,a=d.end,void 0===a&&(a=b),"selectionStart"in
c)c.selectionStart=b,c.selectionEnd=Math.min(a,c.value.length);else
if(a=(b=c.ownerDocument||document)&&b.defaultView||window,a.getSelection){a=a.getSelection();var
e=c.textContent.length,f=Math.min(d.start,e);d=void

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O===d.end?f:Math.min(d.end,e);!a.extend&&f>d&&(e=d,d=f,f=e);e=Rm(c,f);var
g=Rm(c,\nd);e&&g&&(1!==a.rangeCount||a.anchorNode!==e.node||a.anchorOffset!==e.offset||a.focusNode!==g.no
de||a.focusOffset!==g.offset)&&(b=b.createRange(),b.setStart(e.node,e.offset),a.removeAllRanges(),f>d?(a.addRan
ge(b),a.extend(g.node,g.offset)):(b.setEnd(g.node,g.offset),a.addRange(b)))}b=[];for(a=c;a=a.parentNode;1===a.no
deType&&b.push({element:a,left:a.scrollLeft,top:a.scrollTop});\function\====typeof
c.focus&&c.focus();for(c=0;c<b.length;c++)a=b[c],a.element.scrollLeft=a.left,a.element.scrollTop=a.top}}\nvar
Tm=sb&&\documentMode\in
document&&11>=document.documentMode,Um=null,Vm=null,Wm=null,Xm=!1;\nfunction Ym(a,b,c){var
d=c.window===c?c.document:9===c.nodeType?c.ownerDocument:Xm||null==Um||Um!==hc(d)|(d=Um,\selecti
onStart\in
d&&Ei(d)?d={start:d.selectionStart,end:d.selectionEnd):(d=(d.ownerDocument&&d.ownerDocument.defaultView||
window).getSelection(),d={anchorNode:d.anchorNode,anchorOffset:d.anchorOffset,focusNode:d.focusNode,focus
Offset:d.focusOffset}),Wm&&ae(Wm,d)|(Wm=d,d=zm(Vm,\onSelect\),0<d.length&&(b=new
DI(\onSelect\,\select\,null,b,c),a.push({event:b,listeners:d}),b.target=Um))}\nfunction Zm(a,b){var
c={};c[a.toLowerCase()]=b.toLowerCase();c[\Webkit\+a]=\webkit\+b;c[\Moz\+a]=\moz\+b;return c}var
$m={animationend:Zm(\Animation\,\AnimationEnd\),animationiteration:Zm(\Animation\,\AnimationIteratio
n\),animationstart:Zm(\Animation\,\AnimationStart\),transitionend:Zm(\Transition\,\TransitionEnd\)},an={
},bn={};\nsb&&(bn=document.createElement(\div\).style,\AnimationEvent\in window|(delete
$m.animationend.animation,delete $m.animationiteration.animation,delete
$m.animationstart.animation),\TransitionEvent\in window|(delete $m.transitionend.transition);function
cn(a){if(an[a])return an[a];if(!$m[a])return a;var b=$m[a],c;for(c in b)if(b.hasOwnProperty(c)&&c in bn)return
an[a]=b[c];return a}var
dn=cn(\animationend\),en=cn(\animationiteration\),fn=cn(\animationstart\),gn=cn(\transitionend\),hn=new
Map,jn=\abort auxClick cancel canPlay canPlayThrough click close contextMenu copy cut drag dragEnd dragEnter
dragExit dragLeave dragOver dragStart drop durationChange emptied encrypted ended error gotPointerCapture
input invalid keyDown keyPress keyUp load loadedData loadedMetadata loadStart lostPointerCapture mouseDown
mouseMove mouseOut mouseOver mouseUp paste pause play playing pointerCancel pointerDown pointerMove
pointerOut pointerOver pointerUp progress rateChange reset resize seeked seeking stalled submit suspend
timeUpdate touchCancel touchEnd touchStart volumeChange scroll toggle touchMove waiting wheel\).split(\
\");\nfunction kn(a,b){hn.set(a,b);qb(b,[a])}function ln(a,b,c,d,e){if(\submit\===b&&c&&c.stateNode===e){var
f=lb(e).action,g=d.submitter;g&&(b=(b=lb(g))?b.formAction:g.getAttribute(\formAction\),null!=b&&(f=b));if(\f
unction\====typeof f){var h=new
DI(\action\,\action\,null,d,e);a.push({event:h,listeners:[{instance:null,listener:function(){if(!d.defaultPrevented){
h.preventDefault();if(g){var l=g.type;g.type=\hidden\;var p=new FormData(e);g.type=l}else p=new
FormData(e);f(p)},currentTarget:e}}]})}\nfor(var mn=0;mn<jn.length;mn++){var
nn=jn[mn],on=nn.toLowerCase(),pn=nn[0].toUpperCase()+nn.slice(1);kn(on,\on\+pn)}kn(dn,\onAnimationEnd\
);kn(en,\onAnimationIteration\);kn(fn,\onAnimationStart\);kn(\dblclick\,\onDoubleClick\);kn(\focusin\,\o
nFocusin\);kn(\focusout\,\onBlur\);kn(gn,\onTransitionEnd\);rb(\onMouseEnter\,\mouseout\,\mouseover\
);rb(\onMouseLeave\,\mouseout\,\mouseover\);rb(\onPointerEnter\,\pointerout\,\pointerover\);rb(\
onPointerLeave\,\pointerout\,\pointerover\);nqb(\onChange\,\change click focusin focusout input
keydown keyup selectionchange\).split(\ \));qb(\onSelect\,\focusout contextmenu dragend focusin keydown
keyup mousedown mouseup selectionchange\).split(\
\));qb(\onBeforeInput\,\compositionend\,\keypress\,\textInput\,\paste\);qb(\onCompositionEnd\,\com
positionend focusout keydown keypress keyup mousedown\).split(\
\));qb(\onCompositionStart\,\compositionstart focusout keydown keypress keyup mousedown\).split(\
\));qb(\onCompositionUpdate\,\compositionupdate focusout keydown keypress keyup mousedown\).split(\
\));\nvar xd=\abort canplay canplaythrough durationchange emptied encrypted ended error loadeddata
loadedmetadata loadstart pause play playing progress ratechange resize seeked seeking stalled suspend timeupdate

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volumechange waiting\`.split(\ `),qn=new Set(\cancel close invalid load scroll toggle\`.split(\
\`).concat(xd));function rn(a,b,c){var d=a.type||"unknown-event";a.currentTarget=c;ri(d,b,void
0,a);a.currentTarget=null}\nfunction Dm(a,b){b=0!==(b&4);for(var c=0;c<a.length;c++){var
d=a[c],e=d.event;d=d.listeners;a:{var f=void 0;if(b)for(var g=d.length-1;0<=g;g--){var
h=d[g],l=h.instance,p=h.currentTarget;h=h.listener;if(!f&&e.isPropagationStopped())break a;rn(e,h,p);f=1}else
for(g=0;g<d.length;g++){h=d[g];l=h.instance;p=h.currentTarget;h=h.listener;if(!f&&e.isPropagationStopped())b
reak a;rn(e,h,p);f=1}}if(ni)throw a=oi,ni=!1,oi=null,a;}\nfunction L(a,b){var c=b[bb];void 0===c&&(c=b[bb]=new
Set);var d=a+"__bubble";c.has(d)||(sn(b,a,2,!1),c.add(d))}function tn(a,b,c){var d=0;b&&(d|=4);sn(c,a,d,b)}var
un="_reactListening"+Math.random().toString(36).slice(2);function
ei(a){if(!a[un]){a[un]=!0;ob.forEach(function(c){"selectionchange"!==c&&(qn.has(c)||tn(c,!1,a),tn(c,!0,a))});var
b=9===a.nodeType?a.ownerDocument:null===b||b[un]||(b[un]=!0,tn("selectionchange",!1,b))}\nfunction
sn(a,b,c,d){switch(Vj(b)){case 2:var e=pl;break;case 8:e=r1;break;default:e=q1}c=e.bind(null,b,c,a);e=void
0;!Wk||"touchstart"!==b&&"touchmove"!==b&&"wheel"!==b||(e=!0);d?void
0!==(e?a.addEventListener(b,c,{capture:!0,passive:e}):a.addEventListener(b,c,!0):void
0!==(e?a.addEventListener(b,c,{passive:e}):a.addEventListener(b,c,!1))}\nfunction sl(a,b,c,d,e){var
f=d;if(0===(b&1)&&0===(b&2)&&null!==(d)a.for(,;){if(null===d)return;var g=d.tag;if(3===g||4===g){var
h=d.stateNode.containerInfo;if(h===e||8===h.nodeType&&h.parentNode===e)break;if(4===g)for(g=d.return;null!
==g;){var
l=g.tag;if(3===l||4===l)if(l=g.stateNode.containerInfo,l===e||8===l.nodeType&&l.parentNode===e)return;g=g.ret
urn}for(,;null!==(h;){g=hb(h);if(null===g)return;l=g.tag;if(5===l||6===l||26===l||27===l){d=f=g;continue
a}h=h.parentNode}}d=d.return}Uk(function(){var p=nf,r=wc(c),w=[];a:{var q=hn.get(a);if(void 0!==(q){var
t=Dl,y=a;switch(a){case "keypress":if(0===yl(c))break a;case "keydown":case "keyup":t=am;break;case
"focusin":y="focus";t=Pl;break;case "focusout":y="blur";t=Pl;break;case "beforeblur":case
"afterblur":t=Pl;break;case "click":if(2===c.button)break a;case "auxclick":case "dblclick":case
"mousedown":case "mousemove":case "mouseup":case "mouseout":case "mouseover":case
"contextmenu":t=L1;break;case "drag":case "dragend":case "dragenter":case "dragexit":case
"dragleave":case "dragover":case "dragstart":case "drop":t=nN1;break;case "touchcancel":case
"touchend":case "touchmove":case "touchstart":t=em;break;case dn:case en:case fn:t=R1;break;case
gn:t=gm;break;case "scroll":t=Fl;break;case "wheel":t=im;break;case "copy":case "cut":case
"paste":t=T1;break;case "gotpointercapture":case "lostpointercapture":case "pointercancel":case
"pointerdown":case "pointermove":case "pointerout":case "pointerover":case "pointerup":t=cm}var
B=0!==(b&4),N=!B&&"scroll"===a,O=B?null!==(q?q+"Capture":null;q;B=[];for(var m=p,k;null!==(nm;){var
n=m;k=n.stateNode;n=n.tag;5!==(n&&26!==(n&&27!==(n||null===k||null===O||(n=Vk(m,O),null!==(n&&B.push(vn(
m,n,k)))));if(N)break;m=m.return}O<B.length&&(q=new
t(q,y,null,c,r),w.push({event:q,listeners:B})))}if(0===(b&7)){a:{q="mouseover"===a||"pointerover"===a;t="m
ouseout"===a||"pointerout"===a;if(q&&c!==(vc&&(y=c.relatedTarget||c.fromElement)&&(hb(y)||y[ab]))break
a;if(t||q){q=r.window===r:r:(q=r.ownerDocument)?q.defaultView||q.parentWindow:window;if(t){if(y=c.relatedTar
get||c.toElement,t=p,y=y?hb(y):\nnull,null!==(y&&(N=Cc(y),B=y.tag,y!==(N||5!==(B&&27!==(B&&6!==(B)))y=null}e
lse
t=null,y=p;if(t!==(y){B=L1;n="onMouseLeave";O="onMouseEnter";m="mouse";if("pointerout"===a||"pointer
over"===a)B=cm,n="onPointerLeave",O="onPointerEnter",m="pointer";N=null!==(t?q.kb(t);k=null!==(y?q.kb(y)
;q=new B(n,m+"leave",t,c,r);q.target=N;q.relatedTarget=k;n=null;hb(r)===p&&(B=new
B(O,m+"enter",y,c,r),B.target=k,B.relatedTarget=N,n=B);N=n;if(t&&y)b:{B=t;O=y;m=0;for(k=B;k=k=wn(k))m+
+k=0;for(n=O;n=n=wn(n))k++;for(;0<m-k;)B=wn(B),\nm--;for(;0<k-m;)O=wn(O),k--;for(;m--
);}{if(B===O||null!==(O&&B===O.alternate)break b;B=wn(B);O=wn(O)}B=null}else
B=null;null!==(t&&xn(w,q,t,B,!1);null!==(y&&null!==(N&&xn(w,N,y,B,!0))}a:{q=p?kb(p):window;t=q.nodeName
e&&q.nodeName.toLowerCase();if("select"===t||"input"===t&&"file"===q.type)var v=Fm;else
if(xm(q))if(Gm)v=Pm;else{v=Nm;var x=Mm}else

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t=q.nodeName,t||"input"!==t.toLowerCase()||"checkbox"!==q.type&&"radio"!==q.type?p&&tc(p.elementType
)&&(v=Fm):v=Om;if(v&&(v=v(a,p)))ym(w,v,c,r);break
a)x&&x(a,nq,p):\focusout\===a&&p&&"number\===q.type&&null!=p.memoizedProps.value&&jc(q,"numbe
r",q.value)}x=p?kb(p):window;switch(a){case
\focusin\:\if(xm(x)||"true\===x.contentEditable)Um=x,Vm=p,Wm=null;break;case
\focusout\:\Wm=Vm=Um=null;break;case \mousedown\:\Xm=!0;break;case \contextmenu\:\case
\mouseup\:\case \dragend\:\Xm=!1;Ym(w,c,r);break;case \selectionchange\:\if(Tm)break;case \keydown\:\case
\keyup\:\Ym(w,c,r)}var A;if(km)b:{switch(a){case \compositionstart\:\var z=\onCompositionStart\;break b;case
\compositionend\:\z=\n\onCompositionEnd\;break b;case
\compositionupdate\:\z=\onCompositionUpdate\;break b}z=void 0}else
tm?rm(a,c)&&(z=\onCompositionEnd\):\keydown\===a&&229===c.keyCode&&(z=\onCompositionStart\);z
&&(nm&&"ko"!==c.locale&&(tm||\onCompositionStart\!==z?\onCompositionEnd\===z&&tm&&(A=xl()):u
l=r,vl=\value\in ul?ul.value:ul.textContent,tm=!0)),x=zm(p,z),0<x.length&&(z=new
VI(z,a,null,c,r),w.push({event:z,listeners:x}),A?z.data=A:(A=sm(c),null!==A&&(z.data=A)));if(A=mm?um(a,c):v
m(a,c))z=zm(p,\onBeforeInput\),n0<z.length&&(x=new
VI(\onBeforeInput\,\beforeinput\,null,c,r),w.push({event:x,listeners:z}),x.data=A);ln(w,a,p,c,r)}Dm(w,b)}fun
ction vn(a,b,c){return{instance:a,listener:b,currentTarget:c}}function zm(a,b){for(var
c=b+\Capture\,d=[];null!==a;){var
e=a,f=e.stateNode;e=e.tag;5!==e&&26!==e&&27!==e||null===f||(e=Vk(a,c),null!=e&&d.unshift(vn(a,e,f)),e=Vk(a,
b),null!=e&&d.push(vn(a,e,f)));a=a.return}return d}\nfunction wn(a){if(null===a)return null;do
a=a.return;while(a&&5!==a.tag&&27!==a.tag);return a?a:null}function xn(a,b,c,d,e){for(var
f=b._reactName,g=[];null!==c&&c!==d;){var
h=c,l=h.alternate,p=h.stateNode;h=h.tag;if(null!==l&&l===d)break;5!==h&&26!==h&&27!==h||null===p||(l=p,e?(
p=Vk(c,f),null!=p&&g.unshift(vn(c,p,l)):e||(p=Vk(c,f),null!=p&&g.push(vn(c,p,l)));c=c.return}0===g.length&&a.
push({event:b,listeners:g})}var yn=/\r\n?/g,zn=/\u0000\uFFFD/g;\nfunction An(a){return{\string\===typeof
a?a:\+a).replace(yn,\\n").replace(zn,\\")}function yd(a,b,c){b=An(b);if(An(a)!==b&&c)throw
Error(u(425));}function zd(){\nfunction Bn(a,b,c,d,e,f){switch(c){case \children\:\string\===typeof
d?body\===b||\textarea\===b&&"\===d||pc(a,d):\number\===typeof
d&&\body\!==b&&pc(a,\\+d);break;case \className\:\yb(a,\class\,d);break;case
\tabIndex\:\yb(a,\tabindex\,d);break;case \dir\:\case \role\:\case \viewBox\:\case \width\:\case
\height\:\yb(a,c,d);break;case \style\:\sc(a,d,f);break;case \src\:\case
\href\:\if(\\===d){a.removeAttribute(c);break}if(null===d||\function\===typeof d||\symbol\===typeof
d||\boolean\===typeof d){a.removeAttribute(c);\nbreak}a.setAttribute(c,\\+d);break;case \action\:\case
\formAction\:\if(null===d||\symbol\===typeof d||\boolean\===typeof
d){a.removeAttribute(c);break}if(\function\===typeof d){a.setAttribute(c,\javascript:throw new Error('A React
form was unexpectedly submitted. If you called form.submit() manually, consider using form.requestSubmit()
instead. If you're trying to use event.stopPropagation() in a submit event handler, consider also calling
event.preventDefault().')});break}a.setAttribute(c,\\+d);break;\n\ncase
\onClick\:\null!=d&&(a.onclick=zd);break;case \onScroll\:\null!=d&&L(\scroll\,a);break;case
\dangerouslySetInnerHTML\:\if(null!=d){if(\object\!==typeof d||(\__html\in d))throw
Error(u(61));d=d.__html;if(null!=d){if(null!=e.children)throw Error(u(60));a.innerHTML=d}}break;case
\multiple\:\a.multiple=d&&"\function\!==typeof d&&"\symbol\!==typeof d;break;case
\muted\:\a.muted=d&&"\function\!==typeof d&&"\symbol\!==typeof d;break;case
\suppressContentEditableWarning\:\case \suppressHydrationWarning\:\case \defaultValue\:\case
\defaultChecked\:\case \innerHTML\:\break;\n\ncase \autoFocus\:\break;case
\xlinkHref\:\if(null===d||\function\===typeof d||\boolean\===typeof d||\symbol\===typeof
d){a.removeAttribute(\xlink:href\);break}a.setAttributeNS(\http://www.w3.org/1999/xlink\,\xlink:href\,\\+d)
;break;case \contentEditable\:\case \spellCheck\:\case \draggable\:\case \value\:\case \autoReverse\:\case

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"externalResourcesRequired":case "focusable":case "preserveAlpha":null!=d&&"function"!==typeof
d&&"symbol"!==typeof d?a.setAttribute(c,d):a.removeAttribute(c);break;case "allowFullScreen":case
"async":case "autoPlay":case "controls":case "default":case "defer":case "disabled":case
"disablePictureInPicture":case "disableRemotePlayback":case "formNoValidate":case "hidden":case
"loop":case "noModule":case "noValidate":case "open":case "playsInline":case "readOnly":case
"required":case "reversed":case "scoped":case "seamless":case "itemScope":d&&"function"!==typeof
d&&"symbol"!==typeof d?a.setAttribute(c,""):a.removeAttribute(c);break;case "capture":case
"download":!0===d?a.setAttribute(c,""):!1===d&&"function"!==typeof d&&"symbol"!==typeof
d?a.setAttribute(c,d):a.removeAttribute(c);break;case "cols":case "rows":case "size":case
"span":null!=d&&"function"!==typeof d&&"symbol"!==typeof
d&&!isNaN(d)&&1<=d?a.setAttribute(c,d):a.removeAttribute(c);break;case "rowSpan":case
"start":null==d||"function"===typeof d||"symbol"===typeof
d||isNaN(d)?a.removeAttribute(c):a.setAttribute(c,d);break;case
"xlinkActuate":zb(a,"http://www.w3.org/1999/xlink","xlink:actuate",d);break;case
"xlinkArcrole":zb(a,"http://www.w3.org/1999/xlink","xlink:arcrole",d);break;case
"xlinkRole":zb(a,"http://www.w3.org/1999/xlink","xlink:role",d);break;case
"xlinkShow":zb(a,"http://www.w3.org/1999/xlink","xlink:show",d);break;case
"xlinkTitle":zb(a,"http://www.w3.org/1999/xlink","xlink:title",d);break;case
"xlinkType":zb(a,"http://www.w3.org/1999/xlink","xlink:type",\nd);break;case
"xmlBase":zb(a,"http://www.w3.org/XML/1998/namespace","xml:base",d);break;case
"xmlLang":zb(a,"http://www.w3.org/XML/1998/namespace","xml:lang",d);break;case
"xmlSpace":zb(a,"http://www.w3.org/XML/1998/namespace","xml:space",d);break;case
"is":xb(a,"is",d);break;case "innerText":case
"textContent":break;default:if(!2<c.length)||"o"===c[0]&&"O"===c[0]||"n"===c[1]&&"N"===c[1])e=uc.get(c
)|c,xb(a,e,d)}\nfunction Cn(a,b,c,d,e,f){switch(c){case "style":sc(a,d,f);break;case
"dangerouslySetInnerHTML":if(null!=d){if("object"===typeof d||("__html" in d))throw
Error(u(61));c=d.__html;if(null!=c){if(null!=e.children)throw Error(u(60));a.innerHTML=c}}break;case
"children":string===typeof d?pc(a,d):number===typeof d&&pc(a,""+d);break;case
"onScroll":null!=d&&L("scroll",a);break;case "onClick":null!=d&&(a.onclick=zd);break;case
"suppressContentEditableWarning":case "suppressHydrationWarning":case "innerHTML":break;\ncase
"innerText":case
"textContent":break;default:if(!pb.hasOwnProperty(c))a:{if("o"===c[0]&&"n"===c[1]&&(e=c.endsWith("Cap
ture"),b=c.slice(2,e?c.length-7:void 0),f=lb(a),f=null!=f?f[c]:null,"function"===typeof
f&&a.removeListener(b,f,e),"function"===typeof d)}{"function"===typeof f&&null===f&&(c in
a?a[c]=null:a.setAttribute(c)&&a.removeAttribute(c));a.addEventListener(b,d,e);break a}c in
a?a[c]=d:!0===d?a.setAttribute(c,""):xb(a,c,d)}\nfunction di(a,b,c){switch(b){case "div":case "span":case
"svg":case "path":case "a":case "g":case "p":case "li":break;case "input":L("invalid",a);var
d=null,e=null,f=null,g=null,h=null,l=null;for(r in c)if(c.hasOwnProperty(r)){var p=c[r];if(null!=p)switch(r){case
"name":d=p;break;case "type":e=p;break;case "checked":h=p;break;case "defaultChecked":l=p;break;case
"value":f=p;break;case "defaultValue":g=p;break;case "children":case
"dangerouslySetInnerHTML":if(null!=p)throw
Error(u(137,b));break;default:Bn(a,\nb,r,p,c,null)}}kc(a,f,g,h,l,e,d,!1);fc(a);return;case "select":L("invalid",a);var
r=e=f=null;for(d in c)if(c.hasOwnProperty(d)&&(g=c[d],null!=g))switch(d){case "value":f=g;break;case
"defaultValue":e=g;break;case
"multiple":r=g;default:Bn(a,b,d,g,c,null)}b=f;c=e;a.multiple=!r;null!=b?mc(a,!r,b,!1):null!=c&&mc(a,!r,c,!0);ret
urn;case "textarea":L("invalid",a);f=d=r=null;for(e in
c)if(c.hasOwnProperty(e)&&(g=c[e],null!=g))switch(e){case "value":r=g;break;case
"defaultValue":d=g;break;case "children":f=\ng;break;case "dangerouslySetInnerHTML":if(null!=g)throw

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Error(u(91));break;default:Bn(a,b,e,g,c)}oc(a,r,d,f);fc(a);return;case \"option\":for(g in
c)if(c.hasOwnProperty(g)&&(r=c[g],null!=r))switch(g){ case \"selected\":a.selected=r&&\"function\"!==(typeof
r&&\"symbol\"!==(typeof r);break;default:Bn(a,b,g,r,c)}return;case
\"dialog\":L(\"cancel\",a);L(\"close\",a);break;case \"iframe\":case \"object\":L(\"load\",a);break;case \"video\":case
\"audio\":for(r=0;r<xd.length;r++)L(xd[r],a);break;case \"image\":L(\"error\",a);L(\"load\",na);break;case
\"details\":L(\"toggle\",a);break;case \"embed\":case \"source\":case \"img\":case
\"link\":L(\"error\",a);L(\"load\",a);case \"area\":case \"base\":case \"br\":case \"col\":case \"hr\":case \"keygen\":case
\"meta\":case \"param\":case \"track\":case \"wbr\":case \"menuitem\":for(h in
c)if(c.hasOwnProperty(h)&&(r=c[h],null!=r))switch(h){ case \"children\":case \"dangerouslySetInnerHTML\":throw
Error(u(137,b));default:Bn(a,b,h,r,c,null)}return;default:if(tc(b)){ for(l in
c)c.hasOwnProperty(l)&&(r=c[l],null!=r&&Cn(a,b,l,r,c,null));\nreturn } }for(f in
c)c.hasOwnProperty(f)&&(r=c[f],null!=r&&Bn(a,b,f,r,c,null))\nfunction kj(a,b,c,d){ switch(b){ case \"div\":case
\"span\":case \"svg\":case \"path\":case \"a\":case \"g\":case \"p\":case \"li\":break;case \"input\":var
e=null,f=null,g=null,h=null,l=null,p=null,r=null;for(t in c){ var
w=c[t];if(c.hasOwnProperty(t)&&null!=w)switch(t){ case \"checked\":break;case \"value\":break;case
\"defaultValue\":l=w;default:d.hasOwnProperty(t)||Bn(a,b,t,null,d,w)} }for(var q in d){ var
t=d[q];w=c[q];if(d.hasOwnProperty(q)&&(null!=t||null!=w))switch(q){ case \"type\":f=t;break;case
\"name\":e=t;break;case \"checked\":p=nt;break;case \"defaultChecked\":r=t;break;case \"value\":g=t;break;case
\"defaultValue\":h=t;break;case \"children\":case \"dangerouslySetInnerHTML\":if(null!=t)throw
Error(u(137,b));break;default:t!=w&&Bn(a,b,q,t,d,w)} }ic(a,g,h,l,p,r,f,e);return;case \"select\":t=g=h=q=null;for(f
in c)if(l=c[f],c.hasOwnProperty(f)&&null!=l)switch(f){ case \"value\":break;case
\"multiple\":t=l;default:d.hasOwnProperty(f)||Bn(a,b,f,null,d,l)}for(e in
d)if(f=d[e],l=c[e],d.hasOwnProperty(e)&&(null!=f||null!=l))switch(e){ case \"value\":q=nf;break;case
\"defaultValue\":h=f;break;case
\"multiple\":g=f;default:f!=l&&Bn(a,b,e,f,d,l)}b=h;c=g;d=t;null!=q?mc(a,!c,q,!l):!d==!c&&(null!=b?mc(a,!c,
b,!0):mc(a,!c,c?[]:\",!l));return;case \"textarea\":t=q=null;for(h in
c)if(e=c[h],c.hasOwnProperty(h)&&null!=e&&!d.hasOwnProperty(h))switch(h){ case \"value\":break;case
\"children\":break;default:Bn(a,b,h,null,d,e)}for(g in
d)if(e=d[g],f=c[g],d.hasOwnProperty(g)&&(null!=e||null!=f))switch(g){ case \"value\":q=e;break;case
\"defaultValue\":t=e;break;case \"children\":break;\ncase \"dangerouslySetInnerHTML\":if(null!=e)throw
Error(u(91));break;default:e!=f&&Bn(a,b,g,e,d,f)}nc(a,q,t);return;case \"option\":for(var y in
c)if(q=c[y],c.hasOwnProperty(y)&&null!=q&&!d.hasOwnProperty(y))switch(y){ case
\"selected\":a.selected=!l;break;default:Bn(a,b,y,null,d,q)}for(l in
d)if(q=d[l],t=c[l],d.hasOwnProperty(l)&&q!=t&&(null!=q||null!=t))switch(l){ case
\"selected\":a.selected=q&&\"function\"!==(typeof q&&\"symbol\"!==(typeof
q);break;default:Bn(a,b,l,q,d,t)}return;case \"img\":case \"link\":case \"area\":case \"base\":case \"br\":case
\"col\":case \"embed\":case \"hr\":case \"keygen\":case \"meta\":case \"param\":case \"source\":case \"track\":case
\"wbr\":case \"menuitem\":for(var B in
c)q=nc[B],c.hasOwnProperty(B)&&null!=q&&!d.hasOwnProperty(B)&&Bn(a,b,B,null,d,q);for(p in
d)if(q=d[p],t=c[p],d.hasOwnProperty(p)&&q!=t&&(null!=q||null!=t))switch(p){ case \"children\":case
\"dangerouslySetInnerHTML\":if(null!=q)throw
Error(u(137,b));break;default:Bn(a,b,p,q,d,t)}return;default:if(tc(b)){ for(var N in
c)q=c[N],c.hasOwnProperty(N)&&null!=q&&!d.hasOwnProperty(N)&&Cn(a,b,N,null,d,q);for(r in
d)q=d[r],t=c[r],!d.hasOwnProperty(r)||q===t||null===q&&null===t||Cn(a,b,r,q,d,t);return } }for(var O in
c)q=nc[O],c.hasOwnProperty(O)&&null!=q&&!d.hasOwnProperty(O)&&Bn(a,b,O,null,d,q);for(w in
d)q=d[w],t=c[w],!d.hasOwnProperty(w)||q===t||null===q&&null===t||Bn(a,b,w,q,d,t)}var
lk=ca.Dispatcher,Bi=null,Fi=null;function ci(a){ return 9===a.nodeType?a.ownerDocument}function
Cd(a,b){ return\"textarea\"===a||\"noscript\"===a||\"string\"===typeof b.children||\"number\"===typeof

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b.children||"object"===typeof
b.dangerouslySetInnerHTML&&null!==b.dangerouslySetInnerHTML&&null!==b.dangerouslySetInnerHTML.__html
ml}\nvar Yj=\function\===typeof setTimeout?setTimeout:void 0,gk=\function\===typeof
clearTimeout?clearTimeout:void 0,Dn=\function\===typeof Promise?Promise:void 0,kf=\function\===typeof
queueMicrotask?queueMicrotask:\undefined\!==typeof Dn?function(a){return
Dn.resolve(null).then(a).catch(En)}:Yj;function En(a){setTimeout(function(){throw a;}})\nfunction Zi(a,b){var
c=b,d=0;do{var
e=c.nextSibling;a.removeChild(c);if(e&&8===e.nodeType)if(c=e.data,\"/\$/"===c){if(0===d){a.removeChild(e);$(
b);return}d--}else\$/!\===c&&\$/!\===c&&\$/!\===c||d++;c=e}while(c);$(b)}function Gi(a){var
b=a.nodeType;if(9===b)Fn(a);else if(1===b)switch(a.nodeName){case "HEAD":case "HTML":case
"BODY":Fn(a);break;default:a.textContent=""}}\nfunction Fn(a){var
b=a.firstChild;b&&10===b.nodeType&&(b=b.nextSibling);for(;b){var
c=b;b=b.nextSibling;switch(c.nodeName){case "HTML":case "HEAD":case
"BODY":Fn(c);gb(c);continue;case "STYLE":continue;case
"LINK":if(\stylesheet"===c.rel.toLowerCase())continue}a.removeChild(c)}\nfunction
td(a,b,c){if(1!==a.nodeType)return!1;if(a.nodeName.toLowerCase()!==b.toLowerCase())a[fb]]return!0;switch(b){c
ase "meta":if(!a.hasAttribute("itemprop"))return!0;break;case
"link":b=a.getAttribute("rel");if(\stylesheet"===b&&a.hasAttribute("data-
precedence"))b!=c.rel||a.getAttribute("href")!==(null==c.href?null:c.href)||a.getAttribute("crossorigin")!==(null
===c.crossOrigin?null:c.crossOrigin)||a.getAttribute("title")!==(null==c.title?null:c.title))return!0;break;case
"style":if(a.hasAttribute("data-precedence"))return!0;\nbreak;case
"script":if((b=a.getAttribute("src"))&&a.hasAttribute("async"))&&!a.hasAttribute("itemprop"))b!==(null==c.src
?null:c.src)||a.getAttribute("type")!==(null==c.type?null:c.type)||a.getAttribute("crossorigin")!==(null==c.cross
Origin?null:c.crossOrigin))return!0}return!1}function nd(a){for(;null!=a;a=a.nextSibling){var
b=a.nodeType;if(1===b||3===b)break;if(8===b){b=a.data;if("\$/"===b||"\$/!\===b||"\$/?"===b)break;if("\$/"===b
)return null}}return a}\nfunction ib(a){a=a.previousSibling;for(var b=0;a){if(8===a.nodeType){var
c=a.data;if("\$/"===c||"\$/!\===c||"\$/?"===c){if(0===b)return a;b--
}else\$/"===c&&b++}a=a.previousSibling}return null}function bi(a,b,c){b=ci(c);switch(a){case
"html":a=b.documentElement;if(!a)throw Error(u(452));return a;case "head":a=b.head;if(!a)throw
Error(u(453));return a;case "body":a=b.body;if(!a)throw Error(u(454));return a;default:throw Error(u(451));}var
jk=null,kk=null,Gn=new Map,Hn=new Set;\nfunction mj(a){return\function\===typeof
a.getRootNode?a.getRootNode():a.ownerDocument}function In(){var a=ka.current;return a?mj(a):null}function
Jn(){var a=In();if(a)return a.ownerDocument||a;try{return jk||window.document}catch(b){return null}}var
mk={prefetchDNS:Kn,preconnect:Ln,preload:Mn,preinit:Nn};\nfunction On(a,b,c){var
d=Jn();if("string"===typeof c&&c&&d){var e=Pn(c);e='link[rel=\'+a+\'][href=\'+e+\'];\string"===typeof
b&&(e+=[crossorigin=\'+b+\']);Hn.has(e)||Hn.add(e),a={rel:a,crossOrigin:b,href:c},null===d.querySelector(e)&
&(b=d.createElement("link"),di(b,"link",a),nb(b),d.head.appendChild(b))}}function Kn(a){On("dns-
prefetch",null,a)}function Ln(a,b){On("preconnect",null==b||"string"!==typeof b.crossOrigin?null:\use-
credentials"===b.crossOrigin?\use-credentials\:"\",a)}\nfunction Mn(a,b){var c=Jn();if("string"===typeof
a&&a&&"object"===typeof b&&null!==b&&c){var
d=b.as,e=Pn(a),f=e='link[rel=\preload\'][as=\'+d+\'][href=\'+e+\'];switch(d){case "style":f=Qn(a);break;case
"script":f=Rn(a)}Gn.has(f)||a={href:a,rel:"preload",as:d,crossOrigin:"font"===d?"":b.crossOrigin,integrity:b.i
ntegrity,type:b.type},Gn.set(f,a),null===c.querySelector(e)&&(b=c.createElement("link"),di(b,"link",a),nb(b),c.h
ead.appendChild(b))}}\nfunction Nn(a,b){if("string"===typeof a&&a&&"object"===typeof b&&null===b){var
c=In(),d=b.as;if(c)switch(d){case "style":d=mb(c).hoistableStyles;var
e=Qn(a),f=b.precedence||"default",g=d.get(e);if(g)break;var
h={loading:0,preload:null};if(g=c.querySelector(Sn(e))h.loading=1}else{a={rel:"stylesheet",href:a,"data-
precedence":f,crossOrigin:b.crossOrigin};(b=Gn.get(e))&&Tn(a,b);var

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l=g=(c.ownerDocument||c).createElement("link");nb(l);di(l,"link",a);l._p=new
Promise(function(p,r){l.onload=p;l.onerror=\nr});l.addEventListener("load",function(){h.loading|=1});l.addEventListener("error",function(){h.loading|=2});h.loading|=4;Un(g,f,c)}g={type:"stylesheet",instance:g,count:1,state:h};
d.set(e,g);break;case
\"script\":d=mb(c).hoistableScripts,e=Rn(a),f=d.get(e),f|(f=c.querySelector(\"script[async]\"+e),f|(a={src:a,async:!0
,crossOrigin:b.crossOrigin,integrity:b.integrity}),b=Gn.get(e))&&Vn(a,b),b=c.ownerDocument||c,f=b.createElement
(\"script\"),nb(f),di(f,\"link\",a),b.head.appendChild(f),f={type:\"script\",instance:f,count:1,state:null},d.set(e,f))
else
if(\"style\"===d||\"script\"===d)if(c=Jn()){e=Pn(a);f=e='link[rel=\"preload\"][as=\"'+d+'\"][href=\"'+e+'\"'];switch(d)
{case \"style\":f=Qn(a);break;case
\"script\":f=Rn(a)}Gn.has(f)|(a={href:a,rel:\"preload\",as:d,crossOrigin:\"font\"===d?\"\":b.crossOrigin,integrity:b.i
ntegrity},Gn.set(f,a),null===c.querySelector(e)&&(b=c.createElement(\"link\"),di(b,\"link\",a),nb(b),c.head.append
Child(b))))}function Ek(a,b,c){b=In();if(!b)throw Error(u(446));switch(a){case \"meta\":case \"title\":return
null;case \"style\":return\"string\"===typeof c.precedence&&\"string\"===typeof
c.href?(c=Qn(c.href),b=mb(b).hoistableStyles,a=b.get(c),a|(a={type:\"style\",instance:null,count:0,state:null},b.set(c
,a)),a):{type:\"void\",instance:null,count:0,state:null};case \"link\":if(\"stylesheet\"===c.rel&&\"string\"===typeof
c.href&&\"string\"===typeof c.precedence){a=Qn(c.href);var
d=mb(b).hoistableStyles,e=d.get(a);e|(b=b.ownerDocument||nb,e={type:\"stylesheet\",instance:null,count:0,state:{l
oading:0,preload:null}},d.set(a,e),Gn.has(a)||Wn(b,a,{rel:\"preload\",as:\"style\",href:c.href,crossOrigin:c.crossOri
gin,integrity:c.integrity,media:c.media,hrefLang:c.hrefLang,referrerPolicy:c.referrerPolicy},e.state));return e}return
null;case \"script\":return\"string\"===typeof
c.src&&!0===c.async?(c=Rn(c.src),b=mb(b).hoistableScripts,a=b.get(c),a|(a={type:\"script\",instance:null,count:0,
state:null},b.set(c,a)),a):{type:\"void\",instance:null,count:0,state:null};default:throw Error(u(444,a));}function
Qn(a){return'href~=\"'+Pn(a)+'\"}function Sn(a){return'link[rel=\"stylesheet\"][\"'+a+'\"']}function Xn(a){return
C({,a,{\"data-precedence\":a.precedence,precedence:null})}function
Wn(a,b,c,d){Gn.set(b,c);a.querySelector(Sn(b))|(a.querySelector('link[rel=\"preload\"][as=\"style\"][\"'+b+'\"]')?d.loa
ding=1:(b=a.createElement(\"link\"),d.preload=b,b.addEventListener(\"load\",function(){return
d.loading|=1}),b.addEventListener(\"error\",function(){return
d.loading|=2}),di(b,\"link\",c),nb(b),a.head.appendChild(b)))}function Rn(a){return'[src=\"'+Pn(a)+'\"]}function
jj(a,b,c){b.count++;if(null===b.instance)switch(b.type){case \"style\":var
d=Qn(c.href);if(d=a.querySelector(\"style[data-\"'+d+'\"]\"))return b.instance=d,nb(d),d;var e=C({,c,{\"data-
href\":c.href,\"data-
precedence\":c.precedence,href:null,precedence:null});d=(a.ownerDocument||a).createElement(\"style\");nb(d);di(d,
\"style\",e);Un(d,c.precedence,a);return b.instance=d;case \"stylesheet\":e=Qn(c.href);var
f=a.querySelector(Sn(e));if(f)return
b.instance=f,nb(f),f;d=Xn(c);(e=Gn.get(e))&&Tn(d,e);f=(a.ownerDocument||na).createElement(\"link\");nb(f);var
g=f;g._p=new
Promise(function(h,l){g.onload=h;g.onerror=1});di(f,\"link\",d);b.state.loading|=4;Un(f,c.precedence,a);return
b.instance=f;case \"script\":f=Rn(c.src);if(e=a.querySelector(\"script[async]\"+f))return
b.instance=e,nb(e),e;d=c;if(e=Gn.get(f))d=C({,c),Vn(d,e);a=a.ownerDocument||a;e=a.createElement(\"script\");nb(
e);di(e,\"link\",d);a.head.appendChild(e);return b.instance=e;case \"void\":return null;default:throw
Error(u(443,b.type));}else\"stylesheet\"===b.type&&0===\n(b.state.loading&4)&&(d=b.instance,b.state.loading|=4
,Un(d,c.precedence,a));return b.instance}function Un(a,b,c){for(var
d=c.querySelectorAll('link[rel=\"stylesheet\"][data-precedence],style[data-precedence]'),e=d.length?d[d.length-
1]:null,f=e,g=0;g<d.length;g++){var h=d[g];if(h.dataset.precedence===b)f=h;else
if(f!==e)break}f?f.parentNode.insertBefore(a,f.nextSibling):(b=9===c.nodeType?c.head:c,b.insertBefore(a,b.firstCh
ild))}function
Tn(a,b){null===a.crossOrigin&&(a.crossOrigin=b.crossOrigin);null===a.referrerPolicy&&(a.referrerPolicy=b.referrer

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Policy);null==a.title&&(a.title=b.title)}function
Vn(a,b){null==a.crossOrigin&&(a.crossOrigin=b.crossOrigin);null==a.referrerPolicy&&(a.referrerPolicy=b.referrerPolicy);null==a.integrity&&(a.referrerPolicy=b.integrity)}var lj=null;\nfunction hj(a,b,c){if(null===lj){var d=new Map;var e=lj=new Map;e.set(c,d)}else e=lj,d=e.get(c),d||(d=new Map,e.set(c,d));if(d.has(a))return d;d.set(a,null);c=c.getElementsByTagName(a);for(e=0;e<c.length;e++){var f=c[e];if(!([fb]||[Za])||"link"===a&&"stylesheet"===f.getAttribute("rel"))&&"http://www.w3.org/2000/svg"===f.namespaceURI){var g=f.getAttribute(b)||" ";g=a+g;var h=d.get(g);h?h.push(f):d.set(g,[f])}return d}\nfunction ij(a,b,c){a=a.ownerDocument||a;a.head.insertBefore(c,"title"===b?a.querySelector("head > title"):null)}var Yn=/[\\n"\\\t]/g;function Pn(a){return a.replace(Yn,function(b){return"\\\\\\\\"+b.charCodeAt(0).toString(16)})}\nfunction Gk(a,b,c){if("http://www.w3.org/2000/svg"===c||null!=b.itemProp)return!1;switch(a){case "meta":case "title":return!0;case "style":if("string"!==typeof b.precedence||"string"!==typeof b.href||" "===b.href)break;return!0;case "link":if("string"!==typeof b.rel||"string"!==typeof b.href||" "===b.href||b.onLoad||b.onError)break;switch(b.rel){case "stylesheet":return a=b.disabled,"string"===typeof b.precedence&&null==a;default:return!0}case "script":if(!0===b.async&&!b.onLoad&&!b.onError&&"string"===ntypeof b.src&&b.src)return!0}return!1}var ak=null;function bk(){\nfunction zj(a,b,c){if(null===ak)throw Error(u(475));var d=ak;if("stylesheet"===b.type&&("string"!==typeof c.media||!1!==matchMedia(c.media).matches)){if(null===b.instance){var e=Qn(c.href),f=a.querySelector(Sn(e));if(f){a=f._p;null!=a&&"object"===typeof a&&"function"===typeof a.then&&(d.count++,d=Zn.bind(d),a.then(d,d));b.state.loading|=4;b.instance=f;nb(f);return}f=a.ownerDocument||a;=Xn(c);(e=Gn.get(e))&&Tn(c,e);f=f.createElement("link");nb(f);var g=f;g._p=new Promise(function(h,l){g.onload=h;\ng.onerror=l});di(f,"link",c);b.instance=f}null===d.stylesheets&&(d.stylesheet s=new Map);d.stylesheets.set(b,a);(a=b.state.preload)&&0===(b.state.loading&3)&&(d.count++,b=Zn.bind(d),a.addEventListener("load",b),a.addEventListener("error",b))}\nfunction ck(){if(null===ak)throw Error(u(475));var a=ak;a.stylesheets&&0===a.count&&$n(a,a.stylesheets);return 0<a.count?function(b){var c=setTimeout(function(){a.stylesheets&&$n(a,a.stylesheets);if(a.unsuspend){var d=a.unsuspend;a.unsuspend=null;d()}},6E4);a.unsuspend=b;return function(){a.unsuspend=null;clearTimeout(c)}:null}function Zn(){this.count--;if(0===this.count)if(this.stylesheets)$n(this,this.stylesheets);else if(this.unsuspend){var a=this.unsuspend;this.unsuspend=null;a()}}var ao=null;\nfunction $n(a,b){a.stylesheets=null;null!=a.unsuspend&&(a.count++,ao=new Map,b.forEach(bo,a),ao=null,Zn.call(a))}\nfunction bo(a,b){if(!b.state.loading&4){var c=ao.get(a);if(c)var d=c.get("last");else{c=new Map;ao.set(a,c);for(var e=a.querySelectorAll("link[data-precedence],style[data-precedence]"),f=0;f<e.length;f++){var g=e[f];if("link"===g.nodeName||"not all"!==g.getAttribute("media"))c.set("p"+g.dataset.precedence,g),d=g}d&&c.set("last",d)}e=b.instance;g=e.getAttribute("data-precedence");f=c.get("p"+g)||d;f===d&&c.set("last",e);c.set(g,e);this.count++;d=Zn.bind(this);e.addEventListener("load",d);e.addEventListener("error",\nd);f?f.parentNode.insertBefore(e,f.nextSibling):(a=9===a.nodeType?a.head:a,a.insertBefore(e,a.firstChild));b.state.loading|=4}var co=ca.Dispatcher,eo="function"===typeof reportError?reportError:function(a){console.error(a)};function fo(a){this._internalRoot=a}go.prototype.render=fo.prototype.render=function(a){var b=this._internalRoot;if(null===b)throw Error(u(409));Mk(a,b,null,null)};\ngo.prototype.unmount=fo.prototype.unmount=function(){var a=this._internalRoot;if(null!=a){this._internalRoot=null;var b=a.containerInfo;ek(function(){Mk(null,a,null,null)});b[ab]=null}};function go(a){this._internalRoot=a}go.prototype.unstable_scheduleHydration=function(a){if(a){var

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b=F;a={blockedOn:null,target:a,priority:b};for(var
c=0;c<dl.length&&0!==(b&&b<dl[c].priority;c++);dl.splice(c,0,a);0===c&&il(a)};function
ho(a){return!(a||1!==(a.nodeType&&9!==(a.nodeType&&11!==(a.nodeType)))\nfunction
io(a){return!(a||1!==(a.nodeType&&9!==(a.nodeType&&11!==(a.nodeType&&(8!==(a.nodeType||"react-mount-
point-unstable"!==a.nodeValue)))\nfunction jo(){\nfunction ko(a,b,c,d,e){if(e){if("function"===typeof d){var
f=d;d=function(){var p=Nk(g);f.call(p)}}var
g=Lk(b,d,a,0,null,!1,!1,"",jo);a._reactRootContainer=g;a[ab]=g.current;ei(8===a.nodeType?a.parentNode:a);ek();r
eturn g}Gi(a);if("function"===typeof d){var h=d;d=function(){var p=Nk(l);h.call(p)}}var
l=Ik(a,0,!1,null,null,!1,!1,"",jo);a._reactRootContainer=l;a[ab]=l.current;ei(8===a.nodeType?a.parentNode:a);ek(f
unction(){Mk(b,l,c,d)});return l}\nfunction lo(a,b,c,d,e){var f=c._reactRootContainer;if(f){var
g=f;if("function"===typeof e){var h=e;e=function(){var l=Nk(g);h.call(l)}Mk(b,g,a,e)}else g=ko(c,b,a,e,d);return
Nk(g)}ca.Events=[jb,kb,lb,Ac,Bc,dk];var mo={findFiberByHostInstance:hb,bundleType:0,version:"18.3.0-
experimental-7f8c501f6-20230420",rendererPackageName:"react-dom"};nvar
no={bundleType:mo.bundleType,version:mo.version,rendererPackageName:mo.rendererPackageName,rendererCon
fig:mo.rendererConfig,overrideHookState:null,overrideHookStateDeletePath:null,overrideHookStateRenamePath:n
ull,overrideProps:null,overridePropsDeletePath:null,overridePropsRenamePath:null,setErrorHandler:null,setSuspens
eHandler:null,scheduleUpdate:null,currentDispatcherRef:Ba.ReactCurrentDispatcher,findHostInstanceByFiber:func
tion(a){a=Gc(a);return
null===a?null:a.stateNode},findFiberByHostInstance:mo.findFiberByHostInstance||\nSk,findHostInstancesForRefre
sh:null,scheduleRefresh:null,scheduleRoot:null,setRefreshHandler:null,getCurrentFiber:null,reconcilerVersion:"18.
3.0-experimental-7f8c501f6-20230420"};if("undefined"!==typeof
__REACT_DEVTOOLS_GLOBAL_HOOK__){var
oo=__REACT_DEVTOOLS_GLOBAL_HOOK__;if(!oo.isDisabled&&oo.supportsFiber)try{Ca=oo.inject(no),Da=
oo}catch(a){}}exports.__SECRET_INTERNALS_DO_NOT_USE_OR_YOU_WILL_BE_FIRED=ca;\nexports.create
Portal=function(a,b){var c=2<arguments.length&&void 0!==(arguments[2]?arguments[2]:null;if(!ho(b))throw
Error(u(200));return Jk(a,b,null,c)};exports.createRoot=function(a,b){if(!ho(a))throw Error(u(299));var
c=!1,d="",e=eo;null!==(b&&void 0!==(b&&(0!==(b.unstable_strictMode&&(c=!0),void
0!==(b.identifierPrefix&&(d=b.identifierPrefix),void
0!==(b.onRecoverableError&&(e=b.onRecoverableError));b=Ik(a,!1,!1,null,null,c,!1,d,e);a[ab]=b.current;co.current=
mk;ei(8===a.nodeType?a.parentNode:a);return new fo(b)};\nexports.findDOMNode=function(a){if(null===a)return
null;if(1===a.nodeType)return a;var b=a._reactInternals;if(void 0===b){if("function"===typeof a.render)throw
Error(u(188));a=Object.keys(a).join(",");throw Error(u(268,a));}a=Gc(b);a=null===a?null:a.stateNode;return
a};exports.flushSync=function(a){return ek(a)};exports.hydrate=function(a,b,c){if(!io(b))throw Error(u(200));return
lo(null,a,b,!0,c)};\nexports.hydrateRoot=function(a,b,c){if(!ho(a))throw Error(u(405));var
d=null!==(c&&c.hydratedSources||null,e=!1,f="",g=eo;null!==(c&&void
0!==(c&&(0!==(c.unstable_strictMode&&(e=!0),void 0!==(c.identifierPrefix&&(f=c.identifierPrefix),void
0!==(c.onRecoverableError&&(g=c.onRecoverableError));b=Lk(b,null,a,!1,null!==(c?null:e,!1,f,g);a[ab]=b.current;co
.current=mk;ei(a);if(d)for(a=0;a<d.length;a++)c=d[a],e=c._getSource,e=e(c._source),null===b.mutableSourceEager
HydrationData?b.mutableSourceEagerHydrationData=\n[c,e]:b.mutableSourceEagerHydrationData.push(c,e);return
new go(b)};exports.preconnect=function(){var
a=ca.Dispatcher.current;a&&a.preconnect.apply(this,arguments)};exports.prefetchDNS=function(){var
a=ca.Dispatcher.current;a&&a.prefetchDNS.apply(this,arguments)};exports.preinit=function(){var
a=ca.Dispatcher.current;a&&a.preinit.apply(this,arguments)};exports.preload=function(){var
a=ca.Dispatcher.current;a&&a.preload.apply(this,arguments)};\nexports.render=function(a,b,c){if(!io(b))throw
Error(u(200));return lo(null,a,b,!1,c)};exports.unmountComponentAtNode=function(a){if(!io(a))throw
Error(u(40));return
a._reactRootContainer?(ek(function(){lo(null,null,a,!1,function(){a._reactRootContainer=null;a[ab]=null})),!0):!1}
;exports.unstable_batchedUpdates=dk;exports.unstable_renderSubtreeIntoContainer=function(a,b,c,d){if(!io(c))thro

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w Error(u(200));if(null===a||void 0===a._reactInternals)throw Error(u(38));return
lo(a,b,c,!1,d)};\nexports.unstable_runWithPriority=Va;exports.version=\"18.3.0-experimental-7f8c501f6-
20230420\";\n\"use strict\";\nif (process.env.NODE_ENV === 'production') {\n module.exports =
require('./cjs/scheduler.production.min.js');\n} else {\n module.exports =
require('./cjs/scheduler.development.js');\n}\n\"/* * @license React * scheduler.production.min.js *
Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n */\n'use strict';function f(a,b){var
c=a.length;a.push(b);a.for(0<c;){var d=c-1>>>1,e=a[d];if(0<g(e,b))a[d]=b,a[c]=e,c=d;else break a }}function
h(a){return 0===a.length?null:a[0]}function k(a){if(0===a.length)return null;var
b=a[0],c=a.pop();if(c!==b){a[0]=c;a.for(var d=0,e=a.length,q=e>>>1;d<q;){var m=2*(d+1)-
1,D=a[m],n=m+1,x=a[n];if(0>g(D,c))n<e&&0>g(x,D)?(a[d]=x,a[n]=c,d=n):(a[d]=D,a[m]=c,d=m);else
if(n<e&&0>g(x,c))a[d]=x,a[n]=c,d=n;else break a }}return b}\nfunction g(a,b){var c=a.sortIndex-b.sortIndex;return
0===c?c:a.id-b.id}exports.unstable_now=void 0;if(\"object\"===typeof performance&&\"function\"===typeof
performance.now){var l=performance;exports.unstable_now=function(){return l.now()}}else{var
p=Date,r=p.now();exports.unstable_now=function(){return p.now()-r}}\nvar
t=[],u=[],v=1,w=null,y=3,z=!1,A=!1,B=!1,C=\"function\"===typeof
setTimeout?setTimeout:null,E=\"function\"===typeof clearTimeout?clearTimeout:null,F=\"undefined\"===typeof
setImmediate?setImmediate:null;\"undefined\"===typeof navigator&&void 0!==navigator.scheduling&&void
0!==navigator.scheduling.isInputPending?navigator.scheduling.isInputPending.bind(navigator.scheduling):null;\nfun
ction G(a){for(var b=h(u);null!==b;){if(null===b.callback)k(u);else
if(b.startTime<=a)k(u),b.sortIndex=b.expirationTime,f(t,b);else break;b=h(u)}}function
H(a){B=!1;G(a);if(!A)if(null!==h(t))A=!0,I(J);else{var b=h(u);null!==b&&K(H,b.startTime-a)}\nfunction
J(a,b){A=!1;B&&(B=!1,E(L),L=-1);z=!0;var
c=y;try{a:{G(b);for(w=h(t);null!==w&&!(w.expirationTime>b)||a&&!M());){var
d=w.callback;if(\"function\"===typeof d){w.callback=null;y=w.priorityLevel;var
e=d(w.expirationTime<=b);b=exports.unstable_now();if(\"function\"===typeof e){w.callback=e;G(b);var
q=!0;break a}else w===h(t)&&k(t),G(b)}else k(t);w=h(t)}if(null!==w)q=!0;else{var
m=h(u);null!==m&&K(H,m.startTime-b);q=!1}}return q}finally{w=null,y=c,z=!1}}var N=!1,O=null,L=-
1,P=5,Q=-1;\nfunction M(){return exports.unstable_now()-Q<P?!1:!0}function R(){if(null!==O){var
a=exports.unstable_now();Q=a;var b=!0;try{b=O(!0,a)}finally{b?S():(N=!1,O=null)}}else N=!1}var
S;if(\"function\"===typeof F)S=function(){F(R)};else if(\"undefined\"===typeof MessageChannel){var T=new
MessageChannel,U=T.port2;T.port1.onmessage=R;S=function(){U.postMessage(null)}}else
S=function(){C(R,0)};function I(a){O=a;N||(N=!0,S())}function
K(a,b){L=C(function(){a(exports.unstable_now())},b)}\nexports.unstable_IdlePriority=5;exports.unstable_Immedia
tePriority=1;exports.unstable_LowPriority=4;exports.unstable_NormalPriority=3;exports.unstable_Profiling=null;exp
orts.unstable_UserBlockingPriority=2;exports.unstable_cancelCallback=function(a){a.callback=null};exports.unst
able_continueExecution=function(){A||z||(A=!0,I(J))};\nexports.unstable_forceFrameRate=function(a){0>a||125<a?
console.error(\"forceFrameRate takes a positive int between 0 and 125, forcing frame rates higher than 125 fps is not
supported\"):P=0<a?Math.floor(1E3/a):5};exports.unstable_getCurrentPriorityLevel=function(){return
y};exports.unstable_getFirstCallbackNode=function(){return
h(t)};exports.unstable_next=function(a){switch(y){case 1:case 2:case 3:var b=3;break;default:b=y}var
c=y;y=b;try{return a}finally{y=c}};\nexports.unstable_pauseExecution=function(){};\nexports.unstable_requestPaint=function(){};exp
orts.unstable_runWithPriority=function(a,b){switch(a){case 1:case 2:case 3:case 4:case 5:break;default:a=3}var
c=y;y=a;try{return b()}finally{y=c}};\nexports.unstable_scheduleCallback=function(a,b,c){var
d=exports.unstable_now();\"object\"===typeof c&&null!==c?(c=c.delay,c=\"number\"===typeof
c&&0<c?d+c:d):c=d;switch(a){case 1:var e=-1;break;case 2:e=250;break;case 5:e=1073741823;break;case
4:e=1E4;break;default:e=5E3}e=c+e;a={id:v++,callback:b,priorityLevel:a,startTime:c,expirationTime:e,sortIndex:-

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1 };c>d?(a.sortIndex=c,f(u,a),null===h(t)&&a===h(u)&&(B?(E(L),L--1):B=!0,K(H,c-
d))):(a.sortIndex=e,f(t,a),A||z||(A=!0,I(J)));return
a};\nextports.unstable_shouldYield=M;exports.unstable_wrapCallback=function(a){var b=y;return function(){var
c=y;y=b;try{return a.apply(this,arguments)}finally{y=c}}};\n","use strict"\nmodule.exports =
Yallist\n\nYallist.Node = Node\nYallist.create = Yallist\n\nfunction Yallist(list) {\n  var self = this\n  if (!(self
instanceof Yallist)) {\n    self = new Yallist()\n  }\n  self.tail = null\n  self.head = null\n  self.length = 0\n  if (list
&& typeof list.forEach === 'function') {\n    list.forEach(function(item) {\n      self.push(item)\n    })\n  } else if
(arguments.length > 0) {\n    for (var i = 0, l = arguments.length; i < l; i++) {\n      self.push(arguments[i])\n    }\n  }\n  return self\n}\n\nYallist.prototype.removeNode = function (node) {\n  if (node.list !== this) {\n    throw new
Error('removing node which does not belong to this list')\n  }\n  var next = node.next\n  var prev = node.prev\n  if (next) {\n    next.prev = prev\n  }\n  if (prev) {\n    prev.next = next\n  }\n  if (node === this.head) {\n    this.head = next\n  }\n  if (node === this.tail) {\n    this.tail = prev\n  }\n  node.list.length--\n  node.next = null\n  node.prev = null\n  node.list = null\n  return next\n}\n\nYallist.prototype.unshiftNode = function (node) {\n  if
(node === this.head) {\n    return\n  }\n  if (node.list) {\n    node.list.removeNode(node)\n  }\n  var head =
this.head\n  node.list = this\n  node.next = head\n  if (head) {\n    head.prev = node\n  }\n  this.head = node\n  if
(!this.tail) {\n    this.tail = node\n  }\n  this.length++\n}\n\nYallist.prototype.pushNode = function (node) {\n  if
(node === this.tail) {\n    return\n  }\n  if (node.list) {\n    node.list.removeNode(node)\n  }\n  var tail =
this.tail\n  node.list = this\n  node.prev = tail\n  if (tail) {\n    tail.next = node\n  }\n  this.tail = node\n  if
(!this.head) {\n    this.head = node\n  }\n  this.length++\n}\n\nYallist.prototype.push = function () {\n  for (var i = 0,
l = arguments.length; i < l; i++) {\n    push(this, arguments[i])\n  }\n  return
this.length\n}\n\nYallist.prototype.unshift = function () {\n  for (var i = 0, l = arguments.length; i < l; i++) {\n
unshift(this, arguments[i])\n  }\n  return this.length\n}\n\nYallist.prototype.pop = function () {\n  if (!this.tail) {\n
return undefined\n  }\n  var res = this.tail.value\n  this.tail = this.tail.prev\n  if (this.tail) {\n    this.tail.next = null\n
  } else {\n    this.head = null\n  }\n  this.length--\n  return res\n}\n\nYallist.prototype.shift = function () {\n  if
(!this.head) {\n    return undefined\n  }\n  var res = this.head.value\n  this.head = this.head.next\n  if (this.head) {\n
this.head.prev = null\n  } else {\n    this.tail = null\n  }\n  this.length--\n  return res\n}\n\nYallist.prototype.forEach
= function (fn, thisp) {\n  thisp = thisp || this\n  for (var walker = this.head, i = 0; walker !== null; i++) {\n
fn.call(thisp, walker.value, i, this)\n    walker = walker.next\n  }\n}\n\nYallist.prototype.forEachReverse = function
(fn, thisp) {\n  thisp = thisp || this\n  for (var walker = this.tail, i = this.length - 1; walker !== null; i--) {\n
fn.call(thisp, walker.value, i, this)\n    walker = walker.prev\n  }\n}\n\nYallist.prototype.get = function (n) {\n  for
(var i = 0, walker = this.head; walker !== null && i < n; i++) {\n    // abort out of the list early if we hit a cycle\n
walker = walker.next\n  }\n  if (i === n && walker !== null) {\n    return walker.value\n
  }\n}\n\nYallist.prototype.getReverse = function (n) {\n  for (var i = 0, walker = this.tail; walker !== null && i < n;
i++) {\n    // abort out of the list early if we hit a cycle\n    walker = walker.prev\n  }\n  if (i === n && walker !==
null) {\n    return walker.value\n  }\n}\n\nYallist.prototype.map = function (fn, thisp) {\n  thisp = thisp || this\n  var
res = new Yallist()\n  for (var walker = this.head; walker !== null;) {\n    res.push(fn.call(thisp, walker.value, this))\n
    walker = walker.next\n  }\n  return res\n}\n\nYallist.prototype.mapReverse = function (fn, thisp) {\n  thisp = thisp ||
this\n  var res = new Yallist()\n  for (var walker = this.tail; walker !== null;) {\n    res.push(fn.call(thisp,
walker.value, this))\n    walker = walker.prev\n  }\n  return res\n}\n\nYallist.prototype.reduce = function (fn, initial)
{\n  var acc\n  var walker = this.head\n  if (arguments.length > 1) {\n    acc = initial\n  } else if (this.head) {\n
walker = this.head.next\n    acc = this.head.value\n  } else {\n    throw new TypeError('Reduce of empty list with no
initial value')\n  }\n  for (var i = 0; walker !== null; i++) {\n    acc = fn(acc, walker.value, i)\n    walker =
walker.next\n  }\n  return acc\n}\n\nYallist.prototype.reduceReverse = function (fn, initial) {\n  var acc\n  var
walker = this.tail\n  if (arguments.length > 1) {\n    acc = initial\n  } else if (this.tail) {\n    walker = this.tail.prev\n
acc = this.tail.value\n  } else {\n    throw new TypeError('Reduce of empty list with no initial value')\n  }\n  for
(var i = this.length - 1; walker !== null; i--) {\n    acc = fn(acc, walker.value, i)\n    walker = walker.prev\n  }\n  return
acc\n}\n\nYallist.prototype.toArray = function () {\n  var arr = new Array(this.length)\n  for (var i = 0, walker
= this.head; walker !== null; i++) {\n    arr[i] = walker.value\n    walker = walker.next\n  }\n  return

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arr\n}\n\nYallist.prototype.toArrayReverse = function () {\n  var arr = new Array(this.length)\n  for (var i = 0,
walker = this.tail; walker !== null; i++) {\n    arr[i] = walker.value\n    walker = walker.prev\n  }\n  return
arr\n}\n\nYallist.prototype.slice = function (from, to) {\n  to = to || this.length\n  if (to < 0) {\n    to += this.length\n
}\n  from = from || 0\n  if (from < 0) {\n    from += this.length\n  }\n  var ret = new Yallist()\n  if (to < from || to < 0)
{\n    return ret\n  }\n  if (from < 0) {\n    from = 0\n  }\n  if (to > this.length) {\n    to = this.length\n  }\n  for (var i =
0, walker = this.head; walker !== null && i < from; i++) {\n    walker = walker.next\n  }\n  for (; walker !== null
&& i < to; i++, walker = walker.next) {\n    ret.push(walker.value)\n  }\n  return
ret\n}\n\nYallist.prototype.sliceReverse = function (from, to) {\n  to = to || this.length\n  if (to < 0) {\n    to +=
this.length\n  }\n  from = from || 0\n  if (from < 0) {\n    from += this.length\n  }\n  var ret = new Yallist()\n  if (to <
from || to < 0) {\n    return ret\n  }\n  if (from < 0) {\n    from = 0\n  }\n  if (to > this.length) {\n    to = this.length\n
}\n  for (var i = this.length, walker = this.tail; walker !== null && i > to; i--) {\n    walker = walker.prev\n  }\n  for (;
walker !== null && i > from; i--, walker = walker.prev) {\n    ret.push(walker.value)\n  }\n  return
ret\n}\n\nYallist.prototype.splice = function (start, deleteCount /*, ...nodes */) {\n  if (start > this.length) {\n    start =
this.length - 1\n  }\n  if (start < 0) {\n    start = this.length + start\n  }\n\n  for (var i = 0, walker = this.head; walker
!== null && i < start; i++) {\n    walker = walker.next\n  }\n\n  var ret = []\n  for (var i = 0; walker && i <
deleteCount; i++) {\n    ret.push(walker.value)\n    walker = this.removeNode(walker)\n  }\n  if (walker === null)
{\n    walker = this.tail\n  }\n\n  if (walker !== this.head && walker !== this.tail) {\n    walker = walker.prev\n  }\n\n
for (var i = 2; i < arguments.length; i++) {\n    walker = insert(this, walker, arguments[i])\n  }\n  return
ret\n}\n\nYallist.prototype.reverse = function () {\n  var head = this.head\n  var tail = this.tail\n  for (var walker =
head; walker !== null; walker = walker.prev) {\n    var p = walker.prev\n    walker.prev = walker.next\n
walker.next = p\n  }\n  this.head = tail\n  this.tail = head\n  return this\n}\n\nfunction insert (self, node, value) {\n
var inserted = node === self.head ?\n  new Node(value, null, node, self) :\n  new Node(value, node, node.next,
self)\n\n  if (inserted.next === null) {\n    self.tail = inserted\n  }\n  if (inserted.prev === null) {\n    self.head =
inserted\n  }\n\n  self.length++\n\n  return inserted\n}\n\nfunction push (self, item) {\n  self.tail = new Node(item,
self.tail, null, self)\n  if (!self.head) {\n    self.head = self.tail\n  }\n  self.length++\n}\n\nfunction unshift (self, item)
{\n  self.head = new Node(item, null, self.head, self)\n  if (!self.tail) {\n    self.tail = self.head\n  }\n
self.length++\n}\n\nfunction Node (value, prev, next, list) {\n  if (!(this instanceof Node)) {\n    return new
Node(value, prev, next, list)\n  }\n\n  this.list = list\n  this.value = value\n\n  if (prev) {\n    prev.next = this\n
this.prev = prev\n  } else {\n    this.prev = null\n  }\n\n  if (next) {\n    next.prev = this\n    this.next = next\n  } else
{\n    this.next = null\n  }\n}\n\ntry {\n  // add if support for Symbol.iterator is present\n
require('./iterator.js')(Yallist)\n} catch (er) {}"}\n", "use strict"\nmodule.exports = function (Yallist) {\n
Yallist.prototype[Symbol.iterator] = function* () {\n  for (let walker = this.head; walker; walker = walker.next) {\n
yield walker.value\n  }\n}\n}\n", "/*\n * @license React\n * react-is.production.min.js\n * \n * Copyright (c)
Meta Platforms, Inc. and affiliates.\n * \n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n */\n'use strict';var
b=Symbol.for("react.element"),c=Symbol.for("react.portal"),d=Symbol.for("react.fragment"),e=Symbol.for("re
act.strict_mode"),f=Symbol.for("react.profiler"),g=Symbol.for("react.provider"),h=Symbol.for("react.context"),
k=Symbol.for("react.server_context"),l=Symbol.for("react.forward_ref"),m=Symbol.for("react.suspense"),n=Sym
bol.for("react.suspense_list"),p=Symbol.for("react.memo"),q=Symbol.for("react.lazy"),t=Symbol.for("react.o
ffscreen"),u=Symbol.for("react.cache"),v=Symbol.for("react.client.reference");\nfunction
w(a){if("object"===typeof a&&null!==a){var r=a.$$typeof;switch(r){case b:switch(a=a.type,a){case d:case f:case
e:case m:case n:return a;default:switch(a=a&&a.$$typeof,a){case k:case h:case l:case q:case p:case g:return
a;default:return r}}case c:return
r}}exports.ContextConsumer=h;exports.ContextProvider=g;exports.Element=b;exports.ForwardRef=l;exports.Frag
ment=d;exports.Lazy=q;exports.Memo=p;exports.Portal=c;exports.Profiler=f;exports.StrictMode=e;exports.Suspens
e=m;\nexports.SuspenseList=n;exports.isAsyncMode=function(){return!1};exports.isConcurrentMode=function(){r
eturn!1};exports.isContextConsumer=function(a){return w(a)===h};exports.isContextProvider=function(a){return
w(a)===g};exports.isElement=function(a){return"object"===typeof

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a&&null!==(a&&a.$typeof===b);exports.isForwardRef=function(a){return
w(a)===l};exports.isFragment=function(a){return w(a)===d};exports.isLazy=function(a){return
w(a)===q};exports.isMemo=function(a){return w(a)===p};\nexports.isPortal=function(a){return
w(a)===c};exports.isProfiler=function(a){return w(a)===f};exports.isStrictMode=function(a){return
w(a)===e};exports.isSuspense=function(a){return w(a)===m};exports.isSuspenseList=function(a){return
w(a)===n};\nexports.isValidElementType=function(a){return\""string\"===typeof a||\"function\"===typeof
a||a===d||a===f||a===e||a===m||a===n||a===t||a===u||\"object\"===typeof
a&&null!==(a&&(a.$typeof===q||a.$typeof===p||a.$typeof===g||a.$typeof===h||a.$typeof===l||a.$typeof===
v||void 0)===a.getModuleId)?!0:!1};exports.typeOf=w;\n","module.exports = require(\"net\");","module.exports =
require(\"tls\");","module.exports = require(\"url\");","module.exports = require(\"zlib\");","use strict';\n\nconst
kDone = Symbol('kDone');\nconst kRun = Symbol('kRun');\n\n/**\n * A very simple job queue with adjustable
concurrency. Adapted from\n * https://github.com/STRML/async-limiter\n */\n\nconst Limiter = {\n  /**\n   * Creates a
new `Limiter`.\n   *\n   * @param {Number} concurrency The maximum number of jobs allowed to run\n   *
concurrently\n   */\n  constructor(concurrency) {\n    this[kDone] = () => {\n      this.pending--;\n      this[kRun]();\n
    };\n    this.concurrency = concurrency || Infinity;\n    this.jobs = [];\n    this.pending = 0;\n  }\n\n  /**\n   * Adds a job
to the queue.\n   *\n   * @public\n   */\n  add(job) {\n    this.jobs.push(job);\n    this[kRun]();\n  }\n\n  /**\n   *
Removes a job from the queue and runs it if possible.\n   *\n   * @private\n   */\n  [kRun]() {\n    if (this.pending
=== this.concurrency) return;\n\n    if (this.jobs.length) {\n      const job = this.jobs.shift();\n\n      this.pending++;\n
      job(this[kDone]);\n    }\n  }\n\n  module.exports = Limiter;\n\n  'use strict';\n\n  /**\n   * Class representing an
event.\n   *\n   * @private\n   */\n  class Event {\n    /**\n     * Create a new `Event`.\n     *\n     * @param {String} type The
name of the event\n     * @param {Object} target A reference to the target to which the event was dispatched\n     */\n    constructor(type, target) {\n      this.target = target;\n      this.type = type;\n    }\n  }\n\n  /**\n   * Class representing a
message event.\n   *\n   * @extends Event\n   */\n  class MessageEvent extends Event {\n    /**\n     * Create a
new `MessageEvent`.\n     *\n     * @param {(String|Buffer|ArrayBuffer|Buffer[])} data The received data\n     *
@param {WebSocket} target A reference to the target to which the event was dispatched\n     */\n    constructor(data,
target) {\n      super('message', target);\n      this.data = data;\n    }\n  }\n\n  /**\n   * Class representing a close event.\n   *\n   *
@extends Event\n   */\n  class CloseEvent extends Event {\n    /**\n     * Create a new `CloseEvent`.\n     *\n     * @param
{Number} code The status code explaining why the connection is being closed\n     * @param
{String} reason A human-readable string explaining why the connection is closing\n     * @param {WebSocket}
target A reference to the target to which the event was dispatched\n     */\n    constructor(code, reason, target) {\n
      super('close', target);\n      this.wasClean = target._closeFrameReceived && target._closeFrameSent;\n      this.reason
= reason;\n      this.code = code;\n    }\n  }\n\n  /**\n   * Class representing an open event.\n   *\n   * @extends Event\n   */
  class OpenEvent extends Event {\n    /**\n     * Create a new `OpenEvent`.\n     *\n     * @param
{WebSocket} target A reference to the target to which the event was dispatched\n     */\n    constructor(target) {\n
      super('open', target);\n    }\n  }\n\n  /**\n   * Class representing an error event.\n   *\n   * @extends Event\n   */
  class ErrorEvent extends Event {\n    /**\n     * Create a new `ErrorEvent`.\n     *\n     * @param {Object} error The
error that generated this event\n     * @param {WebSocket} target A reference to the target to which the event was
dispatched\n     */\n    constructor(error, target) {\n      super('error', target);\n      this.message = error.message;\n
      this.error = error;\n    }\n  }\n\n  /**\n   * This provides methods for emulating the `EventTarget` interface. It's not\n
   * meant to be used directly.\n   *\n   * @mixin\n   */\n  const EventTarget = {\n    /**\n     * Register an event listener.\n     *\n
     * @param {String} method A string representing the event type to listen for\n     * @param {Function} listener The
listener to add\n     */\n    addEventListener(method, listener) {\n      if (typeof listener !== 'function')\n        return;\n\n      function onMessage(data) {\n        listener.call(this, new MessageEvent(data, this));\n      }\n\n      function
onClose(code, message) {\n        listener.call(this, new CloseEvent(code, message, this));\n      }\n\n      function
onError(error) {\n        listener.call(this, new ErrorEvent(error, this));\n      }\n\n      function onOpen() {\n
        listener.call(this, new OpenEvent(this));\n      }\n\n      if (method === 'message') {\n        onMessage._listener =
listener;\n        this.on(method, onMessage);\n      } else if (method === 'close') {\n        onClose._listener = listener;\n
        this.on(method, onClose);\n      } else if (method === 'error') {\n        onError._listener = listener;\n        this.on(method,

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onError);\n } else if (method === 'open') {\n   onOpen._listener = listener;\n   this.on(method, onOpen);\n }
else {\n   this.on(method, listener);\n }\n },\n\n /**\n  * Remove an event listener.\n  *\n  * @param {String}
method A string representing the event type to remove\n  * @param {Function} listener The listener to remove\n  *
@public\n  */\n removeEventListener(method, listener) {\n   const listeners = this.listeners(method);\n   for (let i
= 0; i < listeners.length; i++) {\n     if (listeners[i] === listener || listeners[i]._listener === listener) {\n
this.removeListener(method, listeners[i]);\n     }\n   }\n }\n\n module.exports = EventTarget;\n", "use
strict";\n\n const { Duplex } = require('stream');\n\n /**\n  * Emits the `close` event on a stream.\n  *\n  * @param
{stream.Duplex} The stream.\n  * @private\n  */\n function emitClose(stream) {\n   stream.emit('close');\n }\n\n /**\n  *
The listener of the `end` event.\n  *\n  * @private\n  */\n function duplexOnEnd() {\n   if (!this.destroyed &&
this._writableState.finished) {\n     this.destroy();\n   }\n }\n\n /**\n  * The listener of the `error` event.\n  *\n  *
@private\n  */\n function duplexOnError(err) {\n   this.removeListener('error', duplexOnError);\n   this.destroy();\n   if
(this.listenerCount('error') === 0) {\n     // Do not suppress the throwing behavior.\n     this.emit('error', err);\n
  }\n }\n\n /**\n  * Wraps a `WebSocket` in a duplex stream.\n  *\n  * @param {WebSocket} ws The `WebSocket` to
wrap\n  * @param {Object} options The options for the `Duplex` constructor\n  * @return {stream.Duplex} The
duplex stream\n  * @public\n  */\n function createWebSocketStream(ws, options) {\n   let resumeOnReceiverDrain =
true;\n\n   function receiverOnDrain() {\n     if (resumeOnReceiverDrain) ws._socket.resume();\n   }\n\n   if
(ws.readyState === ws.CONNECTING) {\n     ws.once('open', function open() {\n
ws._receiver.removeAllListeners('drain');\n     ws._receiver.on('drain', receiverOnDrain);\n   });\n   } else {\n
ws._receiver.removeAllListeners('drain');\n     ws._receiver.on('drain', receiverOnDrain);\n   }\n\n   const duplex =
new Duplex({\n     ...options,\n     autoDestroy: false,\n     emitClose: false,\n     objectMode: false,\n
writableObjectMode: false\n });\n\n   ws.on('message', function message(msg) {\n     if (!duplex.push(msg)) {\n
resumeOnReceiverDrain = false;\n     ws._socket.pause();\n   }\n });\n\n   ws.once('error', function error(err) {\n
duplex.destroy(err);\n });\n\n   ws.once('close', function close() {\n     if (duplex.destroyed) return;\n     duplex.push(null);\n   });\n\n   duplex._destroy = function(err, callback) {\n     if (ws.readyState === ws.CLOSED) {\n
callback(err);\n     process.nextTick(emitClose, duplex);\n     return;\n   }\n\n   ws.once('close', function close()
{\n     callback(err);\n     process.nextTick(emitClose, duplex);\n   });\n   ws.terminate();\n });\n\n   duplex._final =
function(callback) {\n     if (ws.readyState === ws.CONNECTING) {\n       ws.once('open', function open() {\n
duplex._final(callback);\n       });\n     }\n     return;\n   }\n\n   if (ws._socket._writableState.finished) {\n     if
(duplex._readableState.endEmitted) duplex.destroy();\n     callback();\n   } else {\n     ws._socket.once('finish',
function finish() {\n       // `duplex` is not destroyed here because the `end` event will be\n       // emitted on
`duplex` after this `finish` event. The EOF signaling\n       // `null` chunk is, in fact, pushed when the WebSocket
emits `close`.\n       callback();\n     });\n     ws.close();\n   }\n }\n\n   duplex._read = function() {\n     if
(ws.readyState === ws.OPEN && !resumeOnReceiverDrain) {\n       resumeOnReceiverDrain = true;\n       if
(!ws._receiver._writableState.needDrain) ws._socket.resume();\n     }\n   }\n\n   duplex._write = function(chunk,
encoding, callback) {\n     if (ws.readyState === ws.CONNECTING) {\n       ws.once('open', function open() {\n
duplex._write(chunk, encoding, callback);\n       });\n     }\n     return;\n   }\n\n   ws.send(chunk, callback);\n }\n\n
duplex.on('end', duplexOnEnd);\n duplex.on('error', duplexOnError);\n return duplex;\n }\n\n module.exports =
createWebSocketStream;\n", "use strict";\n\n const EventEmitter = require('events');\n const { createHash } =
require('crypto');\n const { createServer, STATUS_CODES } = require('http');\n const PerMessageDeflate =
require('./permessage-deflate');\n const WebSocket = require('./websocket');\n const { format, parse } =
require('./extension');\n const { GUID } = require('./constants');\n const keyRegex = /^[+0-9A-Za-z]{22}==$/;\n
const kUsedByWebSocketServer = Symbol('kUsedByWebSocketServer');\n\n /**\n  * Class
representing a WebSocket server.\n  *\n  * @extends EventEmitter\n  */\n class WebSocketServer extends
EventEmitter {\n   /**\n    * Create a `WebSocketServer` instance.\n    *\n    * @param {Object} options Configuration
options\n    * @param {Number} options.backlog The maximum length of the queue of pending\n    *
connections\n    * @param {Boolean} options.clientTracking Specifies whether or not to track\n    *
clients\n    * @param {Function} options.handleProtocols A hook to handle protocols\n    * @param {String} options.host The
hostname where to bind the server\n    * @param {Number} options.maxPayload The maximum allowed message

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size\n * @param {Boolean} options.noServer Enable no server mode\n * @param {String} options.path Accept
only connections matching this path\n * @param {(Boolean|Object)} options.perMessageDeflate Enable/disable\n
* permessage-deflate\n * @param {Number} options.port The port where to bind the server\n * @param
{http.Server} options.server A pre-created HTTP/S server to use\n * @param {Function} options.verifyClient A
hook to reject connections\n * @param {Function} callback A listener for the `listening` event\n */\n
constructor(options, callback) {\n  super();\n\n  options = {\n    maxPayload: 100 * 1024 * 1024,\n    perMessageDeflate: false,\n    handleProtocols: null,\n    clientTracking: true,\n    verifyClient: null,\n    noServer: false,\n    backlog: null, // use default (511 as implemented in net.js)\n    server: null,\n    host: null,\n    path: null,\n    port: null,\n    ...options\n  };\n\n  if (options.port == null && !options.server &&
!options.noServer) {\n    throw new TypeError(\n      'One of the `port`, `server`, or `noServer` options must
be specified'\n    );\n  }\n\n  if (options.port != null) {\n    this._server = createServer((req, res) => {\n      const
body = STATUS_CODES[426];\n      res.writeHead(426, {\n        'Content-Length': body.length,\n        'Content-Type': 'text/plain'\n      });\n      res.end(body);\n    });\n    this._server.listen(\n      options.port,\n      options.host,\n      options.backlog,\n      callback\n    );\n  } else if (options.server) {\n    if
(options.server[kUsedByWebSocketServer]) {\n      throw new Error(\n        'The HTTP/S server is already being
used by another WebSocket server'\n      );\n    }\n\n    options.server[kUsedByWebSocketServer] = true;\n    this._server = options.server;\n  }\n\n  if (this._server) {\n    this._removeListeners = addListeners(this._server,
{\n      listening: this.emit.bind(this, 'listening'),\n      error: this.emit.bind(this, 'error'),\n      upgrade: (req, socket,
head) => {\n        this.handleUpgrade(req, socket, head, (ws) => {\n          this.emit('connection', ws, req);\n
        });\n      }\n    });\n\n    if (options.perMessageDeflate === true) options.perMessageDeflate = {};\n    if
(options.clientTracking) this.clients = new Set();\n    this.options = options;\n  }\n\n  /**\n   * Returns the bound
address, the address family name, and port of the server\n   * as reported by the operating system if listening on an
IP socket.\n   * If the server is listening on a pipe or UNIX domain socket, the name is\n   * returned as a string.\n
*/\n   * @return {(Object|String|null)} The address of the server\n   * @public\n   */\n   address() {\n    if
(this.options.noServer) {\n      throw new Error('The server is operating in `noServer` mode');\n    }\n\n    if
(!this._server) return null;\n    return this._server.address();\n  }\n\n  /**\n   * Close the server.\n   */\n   * @param
{Function} cb Callback\n   * @public\n   */\n   close(cb) {\n    if (cb) this.once('close', cb);\n\n    // Terminate
all associated clients.\n    if (this.clients) {\n      for (const client of this.clients) client.terminate();\n    }\n\n    const server = this._server;\n    if (server) {\n      this._removeListeners();\n      this._removeListeners =
this._server = null;\n      // Close the http server if it was internally created.\n      if (this.options.port
!= null) {\n        server.close(() => this.emit('close'));\n        return;\n      }\n      delete
server[kUsedByWebSocketServer];\n    }\n\n    process.nextTick(emitClose, this);\n  }\n\n  /**\n   * See if a given
request should be handled by this server instance.\n   */\n   * @param {http.IncomingMessage} req Request object to
inspect\n   * @return {Boolean} `true` if the request is valid, else `false`\n   * @public\n   */\n   shouldHandle(req)
{\n    if (this.options.path) {\n      const index = req.url.indexOf('?');\n      const pathname = index !== -1 ?
req.url.slice(0, index) : req.url;\n\n      if (pathname !== this.options.path) return false;\n    }\n\n    return true;\n  }\n\n  /**\n   * Handle a HTTP Upgrade request.\n   */\n   * @param {http.IncomingMessage} req The request
object\n   * @param {net.Socket} socket The network socket between the server and client\n   * @param {Buffer}
head The first packet of the upgraded stream\n   * @param {Function} cb Callback\n   * @public\n   */\n   handleUpgrade(req, socket, head, cb) {\n    socket.on('error', socketOnError);\n\n    const key =\n      req.headers['sec-websocket-key'] !== undefined\n        ? req.headers['sec-websocket-key'].trim()\n        : false;\n\n    const version = +req.headers['sec-websocket-version'];\n    const extensions = {};\n\n    if (\n      req.method !==
'GET' ||\n      req.headers.upgrade.toLowerCase() !== 'websocket' ||\n      !key ||\n      !keyRegex.test(key) ||\n      (version !== 8 && version !== 13) ||\n      !this.shouldHandle(req)\n    ) {\n      return abortHandshake(socket,
400);\n    }\n\n    if (this.options.perMessageDeflate) {\n      const perMessageDeflate = new PerMessageDeflate(\n        this.options.perMessageDeflate,\n        true,\n        this.options.maxPayload\n      );\n\n      try {\n        const offers
= parse(req.headers['sec-websocket-extensions']);\n        if (offers[PerMessageDeflate.extensionName]) {\n          perMessageDeflate.accept(offers[PerMessageDeflate.extensionName]);\n

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extensions[PerMessageDeflate.extensionName] = perMessageDeflate;\n    }\n  } catch (err) {\n    return
abortHandshake(socket, 400);\n  }\n}\n\n // Optionally call external client verification handler.\n //\nif (this.options.verifyClient) {\n  const info = {\n    origin:\n    req.headers[`${version} === 8 ? 'sec-
websocket-origin' : 'origin']},\n    secure: !(req.connection.authorized || req.connection.encrypted),\n    req\n};\n\n  if (this.options.verifyClient.length === 2) {\n    this.options.verifyClient(info, (verified, code, message,
headers) => {\n      if (!verified) {\n        return abortHandshake(socket, code || 401, message, headers);\n      }\n\n      this.completeUpgrade(key, extensions, req, socket, head, cb);\n    });\n    return;\n  }\n\n  if
(!this.options.verifyClient(info)) return abortHandshake(socket, 401);\n}\n\n  this.completeUpgrade(key,
extensions, req, socket, head, cb);\n}\n\n /**\n * Upgrade the connection to WebSocket.\n * @param
{String} key The value of the `Sec-WebSocket-Key` header\n * @param {Object} extensions The accepted
extensions\n * @param {http.IncomingMessage} req The request object\n * @param {net.Socket} socket The
network socket between the server and client\n * @param {Buffer} head The first packet of the upgraded stream\n
* @param {Function} cb Callback\n * @private\n */\n completeUpgrade(key, extensions, req, socket, head, cb)
{\n  //\n // Destroy the socket if the client has already sent a FIN packet.\n //\n if (!socket.readable ||
!socket.writable) return socket.destroy();\n\n  const digest = createHash('sha1').\n    .update(key + GUID).\n
    .digest('base64');\n\n  const headers = [\n    'HTTP/1.1 101 Switching Protocols',\n    'Upgrade: websocket',\n
'Connection: Upgrade',\n    `Sec-WebSocket-Accept: ${digest}`\n  ];\n\n  const ws = new WebSocket(null);\n
let protocol = req.headers['sec-websocket-protocol'];\n\n  if (protocol) {\n    protocol = protocol.trim().split(/
*, */);\n  }\n\n  //\n // Optionally call external protocol selection handler.\n //\n if (this.options.handleProtocols)
{\n    protocol = this.options.handleProtocols(protocol, req);\n  } else {\n    protocol = protocol[0];\n  }\n\n
  if (protocol) {\n    headers.push(`Sec-WebSocket-Protocol: ${protocol}`);\n    ws.protocol = protocol;\n
  }\n}\n\n  if (extensions[PerMessageDeflate.extensionName]) {\n    const params =
extensions[PerMessageDeflate.extensionName].params;\n    const value = format({\n
[PerMessageDeflate.extensionName]: [params]\n    });\n    headers.push(`Sec-WebSocket-Extensions:
${value}`);\n    ws._extensions = extensions;\n  }\n\n  //\n // Allow external modification/inspection of
handshake headers.\n //\n  this.emit('headers', headers, req);\n\n
socket.write(headers.concat("\r\n").join("\r\n")); socket.removeListener('error', socketOnError);\n\n
ws.setSocket(socket, head, this.options.maxPayload);\n\n  if (this.clients) {\n    this.clients.add(ws);\n
ws.on('close', () => this.clients.delete(ws));\n  }\n\n  cb(ws);\n}\n}\n\nmodule.exports =
WebSocketServer;\n\n/**\n * Add event listeners on an `EventEmitter` using a map of <event, listener>\n * pairs.\n
*\n * @param {EventEmitter} server The event emitter\n * @param {Object.<String, Function>} map The listeners
to add\n * @return {Function} A function that will remove the added listeners when called\n * @private\n
*/\nfunction addListeners(server, map) {\n  for (const event of Object.keys(map)) server.on(event, map[event]);\n
return function removeListeners() {\n    for (const event of Object.keys(map)) {\n      server.removeListener(event,
map[event]);\n    }\n  };\n}\n\n/**\n * Emit a `close` event on an `EventEmitter`.\n * @param {EventEmitter}
server The event emitter\n * @private\n */\nfunction emitClose(server) {\n  server.emit('close');\n}\n\n/**\n
* Handle premature socket errors.\n * @private\n */\nfunction socketOnError() {\n  this.destroy();\n}\n\n/**\n
* Close the connection when preconditions are not fulfilled.\n * @param {net.Socket} socket The socket of the
upgrade request\n * @param {Number} code The HTTP response status code\n * @param {String} [message] The
HTTP response body\n * @param {Object} [headers] Additional HTTP response headers\n * @private\n
*/\nfunction abortHandshake(socket, code, message, headers) {\n  if (socket.writable) {\n    message = message ||
STATUS_CODES[code];\n    headers = {\n      Connection: 'close',\n      'Content-type': 'text/html',\n      'Content-
Length': Buffer.byteLength(message),\n      ...headers\n    };\n\n    socket.write(\n      `HTTP/1.1 ${code}
${STATUS_CODES[code]}`\n    );\n\n    Object.keys(headers)\n      .map((h) => `${h}: ${headers[h]}`)\n
      .join("\r\n")\n    + "\r\n\r\n" + message\n  );\n\n  socket.removeListener('error', socketOnError);\n
socket.destroy();\n}\n\n", "\nvar content = require('!!../css-loader/index.js??ref--6-1!./styles.css');\n\nif (typeof
content === 'string') content = [[module.id, content, '']];\n\nvar transform;\nvar insertInto;\n\nvar options =
{'hmr': true}\n\noptions.transform = transform\noptions.insertInto = undefined;\n\nvar update =

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match);\n}\n\n.CurrentHighlight___3Rwa2 {\n background-color: var(--color-search-match-
current);\n}\n\n.ExpandCollapseToggle___3CxpD {\n display: inline-flex;\n width: 1rem;\n height: 1rem;\n
flex: 0 0 1rem;\n color: var(--color-expand-collapse-toggle);\n}\n\n.Badge___36OB- {\n margin-left:
0.25rem;\n}\n\n.ErrorIcon___2HE8O,\n.ErrorIconContrast___25w80,\n.StrictMode___3TX6u,\n\n.StrictModeCo
ntrast___f70us,\n\n.WarningIcon___3s2DR,\n\n.WarningIconContrast___12tJE {\n height: 0.75rem !important;\n
width: 0.75rem !important;\n margin-left: 0.25rem;\n}\n\n.ErrorIcon___2HE8O {\n color: var(--color-console-
error-icon);\n}\n\n.StrictMode___3TX6u {\n color: var(--color-dimmer);\n}\n\n.WarningIcon___3s2DR {\n color:
var(--color-console-warning-icon);\n}\n\n.ErrorIconContrast___25w80, .WarningIconContrast___12tJE {\n color:
var(--color-component-name);\n}\n\n.StrictModeContrast___f70us {\n color: var(--color-text);\n}\n\n";\n\n//
exports\nexports.locals = {\n\t"Element": "Element___1PGUo",\n\t"InactiveSelectedElement":
"InactiveSelectedElement___3H2V0",\n\t"SelectedElement":
"SelectedElement___2BZuq",\n\t"HoveredElement": "HoveredElement___4tCuC",\n\t"Wrapper":
"Wrapper___1kRcF",\n\t"ScrollAnchor": "ScrollAnchor___31Dc8",\n\t"KeyName":
"KeyName___iOoVX",\n\t"KeyValue": "KeyValue___2hQzO",\n\t"Highlight":
"Highlight___OJ7Ox",\n\t"CurrentHighlight": "CurrentHighlight___3Rwa2",\n\t"ExpandCollapseToggle":
"ExpandCollapseToggle___3CxpD",\n\t"Badge": "Badge___36OB-",\n\t"ErrorIcon":
"ErrorIcon___2HE8O",\n\t"ErrorIconContrast": "ErrorIconContrast___25w80",\n\t"StrictMode":
"StrictMode___3TX6u",\n\t"StrictModeContrast": "StrictModeContrast___f70us",\n\t"WarningIcon":
"WarningIcon___3s2DR",\n\t"WarningIconContrast": "WarningIconContrast___12tJE";\n};\n\nexports =
module.exports = require("../..../node_modules/css-loader/lib/css-base.js")(false);\n\n imports\n\n\n//
module\nexports.push([module.id, ".ToggleDisabled___iQeZ3,\n.ToggleOn___3XJTo,\n.ToggleOff___142SC
{\n background: var(--color-button-background);\n border: none;\n border-radius: 0.25rem;\n padding: 0;\n
flex: 0 0 auto;\n}\n\n.ToggleContent___1C-vg {\n display: inline-flex;\n align-items: center;\n border-radius:
0.25rem;\n padding: 0.25rem;\n}\n\n.ToggleOff___142SC {\n border: none;\n background: var(--color-
button-background);\n color: var(--color-button);\n}\n\n.ToggleOff___142SC: hover {\n color: var(--color-button-
hover);\n}\n\n.ToggleOn___3XJTo,\n.ToggleOn___3XJTo: active {\n color: var(--color-button-active);\n
outline: none;\n}\n\n.ToggleOn___3XJTo: focus,\n.ToggleOff___142SC: focus,\n.ToggleContent___1C-vg: focus
{\n outline: none;\n}\n\n.ToggleOn___3XJTo: focus > .ToggleContent___1C-vg,\n.ToggleOff___142SC: focus >
.ToggleContent___1C-vg {\n background: var(--color-button-background-
focus);\n}\n\n.ToggleDisabled___iQeZ3 {\n background: var(--color-button-background);\n color: var(--color-
button-disabled);\n cursor: default;\n}\n\n\n.Input___ESX-3 {\n width: 0;\n margin: 0;\n opacity: 0;\n}\n\n",
\n\n");\n\n// exports\nexports.locals = {\n\t"ToggleDisabled": "ToggleDisabled___iQeZ3",\n\t"ToggleOn":
"ToggleOn___3XJTo",\n\t"ToggleOff": "ToggleOff___142SC",\n\t"ToggleContent": "ToggleContent___1C-
vg",\n\t"Input": "Input___ESX-3";\n};\n\nexports = module.exports = require("../..../node_modules/css-
loader/lib/css-base.js")(false);\n\n imports\n\n\n// module\nexports.push([module.id, ".Tooltip___2QcDY {\n
border: none;\n border-radius: 0.25rem;\n padding: 0.25rem 0.5rem;\n font-family: var(--font-family-sans);\n
font-size: 12px;\n background-color: var(--color-tooltip-background);\n color: var(--color-tooltip-text);\n box-
shadow: 1px 1px 2px var(--color-shadow);\n}\n\n /* Make sure this is above the DevTools, which are above the
Overlay *\n\n z-index: 10000002;\n}\n\n", \n\n");\n\n// exports\nexports.locals = {\n\t"Tooltip":
"Tooltip___2QcDY";\n};\n\n/**\n * Copyright (c) 2013-present, Facebook, Inc.\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n\nuse
strict;\n\nvar ReactPropTypesSecret = require('./lib/ReactPropTypesSecret');\n\nfunction emptyFunction()
{\n}\n\nfunction emptyFunctionWithReset() {\n\nemptyFunctionWithReset.resetWarningCache =
emptyFunction;\n\nmodule.exports = function() {\n function shim(props, propName, componentName, location,
propFullName, secret) {\n if (secret === ReactPropTypesSecret) {\n // It is still safe when called from React.\n
return;\n }\n var err = new Error(\n 'Calling PropTypes validators directly is not supported by the `prop-
types` package. ' +\n 'Use PropTypes.checkPropTypes() to call them. ' +\n 'Read more at http://fb.me/use-
check-prop-types\n );\n err.name = 'Invariant Violation';\n throw err;\n };\n shim.isRequired = shim;\n

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function getShim() {\n  return shim;\n };\n // Important!\n // Keep this list in sync with production version in
`./factoryWithTypeCheckers.js`\n var ReactPropTypes = {\n  array: shim,\n  bool: shim,\n  func: shim,\n  number: shim,\n  object: shim,\n  string: shim,\n  symbol: shim,\n\n  any: shim,\n  arrayOf: getShim,\n  element: shim,\n  elementType: shim,\n  instanceOf: getShim,\n  node: shim,\n  objectOf: getShim,\n  oneOf:
getShim,\n  oneOfType: getShim,\n  shape: getShim,\n  exact: getShim,\n\n  checkPropTypes:
emptyFunctionWithReset,\n  resetWarningCache: emptyFunction\n };\n\n ReactPropTypes.PropTypes =
ReactPropTypes;\n\n return ReactPropTypes;\n};\n", "/*\n * Copyright (c) 2013-present, Facebook, Inc.\n *\n *
This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n */\n'use strict';\n\nvar ReactPropTypesSecret =
'SECRET_DO_NOT_PASS_THIS_OR_YOU_WILL_BE_FIRED';\n\nmodule.exports =
ReactPropTypesSecret;\n", "exports = module.exports = require(\"../..../..../node_modules/css-loader/lib/css-
base.js\")(false);\n// imports\n\n// module\n\nexports.push([module.id, \".Button__1-PiG {\n  border: none;\n  background: var(--color-button-background);\n  color: var(--color-button);\n  padding: 0;\n  border-radius:
0.25rem;\n  flex: 0 0 auto;\n  cursor: pointer;\n}\n\n.ButtonContent__2mZ9q {\n  display: inline-flex;\n  align-
items: center;\n  border-radius: 0.25rem;\n  padding: 0.25rem;\n}\n\n.Button__1-PiG:hover {\n  color: var(--
color-button-hover);\n}\n\n.Button__1-PiG:active {\n  color: var(--color-button-focus);\n  outline:
none;\n}\n\n.Button__1-PiG:focus,\n\n.ButtonContent__2mZ9q:focus {\n  outline: none;\n}\n\n.Button__1-
PiG:focus > .ButtonContent__2mZ9q {\n  background: var(--color-button-background-
focus);\n}\n\n.Button__1-PiG:disabled,\n\n.Button__1-PiG:disabled:active {\n  background: var(--color-button-
background);\n  color: var(--color-button-disabled);\n  cursor: default;\n}\n\n", \"/\n\n");\n\n// exports\n\nexports.locals
= {\n  t\"Button\": \"Button__1-PiG\", \n  t\"ButtonContent\": \"ButtonContent__2mZ9q\"\n};\n", "exports =
module.exports = require(\"../..../..../node_modules/css-loader/lib/css-base.js\")(false);\n// imports\n\n//
module\n\nexports.push([module.id, \".OwnerStack__32qwj {\n  max-width: 100%;\n  overflow-x: auto;\n  flex:
1;\n  display: flex;\n  align-items: center;\n  position:
relative;\n}\n\n\n.Component__3e3s7,\n\n.Component__3e3s7[data-reach-menu-item] {\n  font-family: var(--
font-family-monospace);\n  font-size: var(--font-size-monospace-normal);\n  user-select: none;\n  white-space:
nowrap;\n  display: flex;\n  align-items: center;\n}\n\n\n.Component__3e3s7[data-reach-menu-item][data-
selected],\n\n.Component__3e3s7[data-reach-menu-item][data-selected]:hover {\n  color: var(--color-text-
selected);\n  background: var(--color-background-selected);\n}\n\n\n.Component__3e3s7[data-reach-menu-
item][data-selected]:focus {\n  outline: none;\n}\n\n\n.Bar__3G3dX {\n  display: flex;\n  flex: 1 1 auto;\n  overflow-x: auto;\n}\n\n\n.VRule__IJYKJ {\n  flex: 0 0 auto;\n  height: 20px;\n  width: 1px;\n  background-
color: var(--color-border);\n  margin: 0 0.5rem;\n}\n\n\n\n.MenuButton__3te3U {\n  border-radius: 0.25rem;\n  display: inline-flex;\n  align-items: center;\n  padding: 0;\n  flex: 0 0 auto;\n  border: none;\n  background: var(--
color-button-background);\n  color: var(--color-button);\n}\n\n\n.MenuButtonContent__3VvHH {\n  display: inline-
flex;\n  align-items: center;\n  border-radius: 0.25rem;\n  padding: 0.25rem;\n}\n\n\n.MenuButton__3te3U:hover
{\n  color: var(--color-button-hover);\n}\n\n\n.MenuButton__3te3U[aria-
expanded='true'],\n\n.MenuButton__3te3U[aria-expanded='true']:active {\n  color: var(--color-button-active);\n  outline: none;\n}\n\n\n.MenuButton__3te3U:focus,\n\n.MenuButtonContent__3VvHH:focus {\n  outline:
none;\n}\n\n\n.MenuButton__3te3U:focus > .MenuButtonContent__3VvHH {\n  background: var(--color-button-
background-focus);\n}\n\n\n\n.Modal__8b8bs[data-reach-menu-list] {\n  display: inline-flex;\n  flex-direction:
column;\n  background-color: var(--color-background);\n  color: var(--color-button);\n  padding: 0.25rem 0;\n  padding-right: 0;\n  border: 1px solid var(--color-border);\n  border-radius: 0.25rem;\n  max-height: 10rem;\n  overflow: auto;\n}\n\n /* Make sure this is above the DevTools, which are above the Overlay */\n z-index:
10000002;\n  position: relative;\n}\n\n /* Reach UI tries to set its own :( */\n font-family: var(--font-family-
monospace);\n  font-size: var(--font-size-monospace-
normal);\n}\n\n\n.NotInStore__3Y2P2,\n\n.NotInStore__3Y2P2:hover {\n  color: var(--color-
dimmed);\n}\n\n\n.Badge__2E6aT {\n  margin-left: 0.25rem;\n}\n\n", \"/\n\n");\n\n// exports\n\nexports.locals =
{\n  t\"OwnerStack\": \"OwnerStack__32qwj\", \n  t\"Component\": \"Component__3e3s7\", \n  t\"Bar\":

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\"Bar__3G3dX\",n\\t\"VRule\": \"VRule__JYKJ\",n\\t\"MenuButton\":
\"MenuButton__3te3U\",n\\t\"MenuButtonContent\": \"MenuButtonContent__3VvHH\",n\\t\"Modal\":
\"Modal__8b8bs\",n\\t\"NotInStore\": \"NotInStore__3Y2P2\",n\\t\"Badge\": \"Badge__2E6aT\"n};\",exports =
module.exports = require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);n// imports\\n\\n\\n//
module\\nexports.push([module.id, \".SearchInput__5BLz9 {\\n flex: 1 1;\\n display: flex;\\n align-items:
center;\\n}\\n\\n.Input__15H-Z {\\n flex: 1 1 100px;\\n width: 100px;\\n font-size: var(--font-size-sans-large);\\n
outline: none;\\n border: none;\\n background-color: var(--color-background);\\n color: var(--color-text);\\n
padding-left: 1.5rem;\\n margin-left: -1rem;\\n}\\n\\n.InputIcon__2jd-q {\\n pointer-events: none;\\n z-index:
2;\\n color: var(--color-dimmer);\\n}\\n\\n.IndexLabel__98Dk_ {\\n color: var(--color-dim);\\n font-size: var(--
font-size-sans-normal);\\n white-space: pre;\\n}\\n\\n.LeftVRule__B5avU,\\n.RightVRule__1XZ0Q {\\n height:
20px;\\n width: 1px;\\n background-color: var(--color-border);\\n}\\n\\n.LeftVRule__B5avU {\\n margin: 0 0.25rem
0 0.5rem;\\n}\\n\\n.RightVRule__1XZ0Q {\\n margin: 0 0.5rem 0 0.25rem;\\n}\\n\\n\", \"\");\\n\\n//
exports\\nexports.locals = {\\n\\t\"SearchInput\": \"SearchInput__5BLz9\",n\\t\"Input\": \"Input__15H-
Z\",n\\t\"InputIcon\": \"InputIcon__2jd-q\",n\\t\"IndexLabel\": \"IndexLabel__98Dk_\",n\\t\"LeftVRule\":
\"LeftVRule__B5avU\",n\\t\"RightVRule\": \"RightVRule__1XZ0Q\"n};\",exports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);n// imports\\n\\n\\n//
module\\nexports.push([module.id, \".Active__3Y5D2,\\n.Inactive__2Ddkx {\\n position: absolute;\\n left: 0;\\n
width: 100%;\\n z-index: 0;\\n pointer-events: none;\\n}\\n\\n.Active__3Y5D2 {\\n background-color: var(--
color-selected-tree-highlight-active);\\n}\\n\\n.Inactive__2Ddkx {\\n background-color: var(--color-selected-tree-
highlight-inactive);\\n}\\n\\n\", \"\");\\n\\n// exports\\nexports.locals = {\\n\\t\"Active\":
\"Active__3Y5D2\",n\\t\"Inactive\": \"Inactive__2Ddkx\"n};\",exports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);n// imports\\n\\n\\n//
module\\nexports.push([module.id, \".Tree__3Pjje {\\n position: relative;\\n height: 100%;\\n width: 100%;\\n
display: flex;\\n flex-direction: column;\\n border-top: 1px solid var(--color-border);\\n\\n /* Default size will be
adjusted by Tree after scrolling */\\n --indentation-size: 12px;\\n}\\n\\n.List__qlOJG {\\n overflow-x: hidden
!important;\\n}\\n\\n.InnerElementType__1csGF {\\n overflow-x: hidden;\\n}\\n\\n.SearchInput__1Q2I_ {\\n
flex: 0 0 42px;\\n display: flex;\\n align-items: center;\\n border-bottom: 1px solid var(--color-border);\\n padding:
0.5rem;\\n}\\n\\n\\n.AutoSizerWrapper__3IcMr {\\n width: 100%;\\n overflow: hidden;\\n flex: 1 0
auto;\\n}\\n\\n.AutoSizerWrapper__3IcMr:focus {\\n outline: none;\\n}\\n\\n.List__qlOJG {\\n font-family: var(--
font-family-monospace);\\n font-size: var(--font-size-monospace-normal);\\n line-height: var(--line-height-
data);\\n}\\n\\n.VRule__3yG5q {\\n height: 20px;\\n width: 1px;\\n flex: 0 0 1px;\\n margin: 0 0.5rem;\\n
background-color: var(--color-border);\\n}\\n\\n\\n.Loading__TrqnR {\\n height: 100%;\\n padding-left: 0.5rem;\\n
display: flex;\\n align-items: center;\\n flex: 1;\\n justify-content: flex-start;\\n font-size: var(--font-size-sans-
large);\\n color: var(--color-dim);\\n}\\n\\n\\n.IconAndCount__1CZUm {\\n display: flex;\\n align-items: center;\\n
font-size: var(--font-size-sans-normal);\\n}\\n\\n\\n.ErrorIcon__1SNsZ, .WarningIcon__23GHe {\\n width:
0.75rem;\\n height: 0.75rem;\\n margin-left: 0.25rem;\\n margin-right: 0.25rem;\\n flex: 0 0
auto;\\n}\\n\\n.ErrorIcon__1SNsZ {\\n color: var(--color-console-error-icon);\\n}\\n\\n.WarningIcon__23GHe {\\n
color: var(--color-console-warning-icon);\\n}\\n\\n\\n.ZeroElementsNotice__1e7ln {\\n padding-left: 1em;\\n
opacity: 0;\\n animation: fadeIn__3yIM4 0.5s forwards;\\n animation-delay: 2s;\\n}\\n\\n@keyframes
fadeIn__3yIM4 {\\n 0% {\\n opacity: 0;\\n }\\n 100% {\\n opacity: 1;\\n }\\n}\\n\\n\\n.Link__wwMB5 {\\n
color: var(--color-button-active);\\n}\\n\\n\", \"\");\\n\\n// exports\\nexports.locals = {\\n\\t\"Tree\":
\"Tree__3Pjje\",n\\t\"List\": \"List__qlOJG\",n\\t\"InnerElementType\":
\"InnerElementType__1csGF\",n\\t\"SearchInput\": \"SearchInput__1Q2I_\",n\\t\"AutoSizerWrapper\":
\"AutoSizerWrapper__3IcMr\",n\\t\"VRule\": \"VRule__3yG5q\",n\\t\"Loading\":
\"Loading__TrqnR\",n\\t\"IconAndCount\": \"IconAndCount__1CZUm\",n\\t\"ErrorIcon\":
\"ErrorIcon__1SNsZ\",n\\t\"WarningIcon\": \"WarningIcon__23GHe\",n\\t\"ZeroElementsNotice\":
\"ZeroElementsNotice__1e7ln\",n\\t\"fadeIn\": \"fadeIn__3yIM4\",n\\t\"Link\": \"Link__wwMB5\"n};\",exports
= module.exports = require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);n// imports\\n\\n\\n//

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module\nexports.push([module.id, \".GitHubLinkRow___1Ubg1 {\\n flex: 0 0 auto;\\n display: flex;\\n align-
items: center;\\n text-overflow: ellipsis;\\n white-space: nowrap;\\n overflow: auto;\\n padding: 0.25rem
0.5rem;\\n background: var(--color-console-warning-background);\\n color: var(--color-text);\\n border-bottom:
1px solid var(--color-console-warning-border);\\n border-top: 1px solid var(--color-console-warning-
border);\\n}\\n\\n.WorkplaceGroupRow___2bkPD {\\n flex: 0 0 auto;\\n display: flex;\\n align-items: center;\\n
text-overflow: ellipsis;\\n white-space: nowrap;\\n overflow: auto;\\n padding: 0.25rem 0.5rem;\\n background:
var(--color-background-hover);\\n border-bottom: 1px solid var(--color-border);\\n}\\n\\n.ErrorBoundary___2iFtc
{\\n height: 100%;\\n width: 100%;\\n background-color: var(--color-background);\\n display: flex;\\n flex-
direction: column;\\n border: 1px solid var(--color-border);\\n}\\n\\n.ErrorInfo___3rbAr {\\n padding: 0.5rem;\\n
overflow: auto;\\n}\\n\\n.HeaderRow___1yCa9 {\\n display: flex;\\n flex-direction: row;\\n font-size: var(--font-
size-sans-large);\\n font-weight: bold;\\n}\\n\\n.ErrorHeader___Ck9BV,\\n.TimeoutHeader___2_O9L {\\n flex: 1 1
auto;\\n overflow: hidden;\\n text-overflow: ellipsis;\\n white-space: nowrap;\\n min-width:
0;\\n}\\n\\n.ErrorHeader___Ck9BV {\\n color: var(--color-error-text);\\n}\\n\\n.TimeoutHeader___2_O9L {\\n color:
var(--color-text);\\n}\\n\\n.ErrorStack___xWW5M,\\n.TimeoutStack___31pZb {\\n margin-top: 0.5rem;\\n white-
space: pre-wrap;\\n font-family: var(--font-family-monospace);\\n font-size: var(--font-size-monospace-normal);\\n
-webkit-font-smoothing: initial;\\n border-radius: 0.25rem;\\n padding: 0.5rem;\\n overflow:
auto;\\n}\\n\\n.ErrorStack___xWW5M {\\n background-color: var(--color-error-background);\\n border: 1px solid
var(--color-error-border);\\n color: var(--color-error-text);\\n}\\n\\n.TimeoutStack___31pZb {\\n background-color:
var(--color-console-warning-background);\\n color: var(--color-console-warning-text);\\n border: var(--color-
console-warning-border)\\n}\\n\\n.LoadingIcon___2Ox_q {\\n margin-right:
0.25rem;\\n}\\n\\n.ReportIcon___163qD {\\n margin-right: 0.25rem;\\n}\\n\\n.ReportLink___1RRG6 {\\n color:
var(--color-link);\\n}\\n\\n.FacebookOnly___1Q5yi {\\n margin-left: 0.25rem;\\n}\\n\\n.ReproSteps___21X2x {\\n
margin-left: 0.25rem;\\n color: var(--color-console-warning-text);\\n overflow: hidden;\\n text-overflow:
ellipsis;\\n white-space: nowrap;\\n min-width: 0;\\n}\\n\\n.UpdateExistingIssuePrompt___1AP89 {\\n margin-
right: 0.25rem;\\n color: var(--color-console-warning-text);\\n}\\n\\n.CloseButton___19JNk {\\n font-weight:
bold;\\n}\\n\\n.CloseButtonIcon___Fp6qN {\\n margin-left: 0.25rem;\\n}\\n\\n.InfoBox___9MO75 {\\n margin-top:
0.5rem;\\n background: var(--color-console-warning-background);\\n border: 1px solid var(--color-console-
warning-border);\\n padding: 0.25rem 0.5rem;\\n border-radius: 0.5rem;\\n color: var(--color-console-warning-
text);\\n}\\n\", \"\");\\n\\n// exports\\nexports.locals = {\\n\\t\"GitHubLinkRow\":
\\\"GitHubLinkRow___1Ubg1\",\\n\\t\"WorkplaceGroupRow\":
\\\"WorkplaceGroupRow___2bkPD\",\\n\\t\"ErrorBoundary\": \"ErrorBoundary___2iFtc\",\\n\\t\"ErrorInfo\":
\\\"ErrorInfo___3rbAr\",\\n\\t\"HeaderRow\": \"HeaderRow___1yCa9\",\\n\\t\"ErrorHeader\":
\\\"ErrorHeader___Ck9BV\",\\n\\t\"TimeoutHeader\": \"TimeoutHeader___2_O9L\",\\n\\t\"ErrorStack\":
\\\"ErrorStack___xWW5M\",\\n\\t\"TimeoutStack\": \"TimeoutStack___31pZb\",\\n\\t\"LoadingIcon\":
\\\"LoadingIcon___2Ox_q\",\\n\\t\"ReportIcon\": \"ReportIcon___163qD\",\\n\\t\"ReportLink\":
\\\"ReportLink___1RRG6\",\\n\\t\"FacebookOnly\": \"FacebookOnly___1Q5yi\",\\n\\t\"ReproSteps\":
\\\"ReproSteps___21X2x\",\\n\\t\"UpdateExistingIssuePrompt\":
\\\"UpdateExistingIssuePrompt___1AP89\",\\n\\t\"CloseButton\": \"CloseButton___19JNk\",\\n\\t\"CloseButtonIcon\":
\\\"CloseButtonIcon___Fp6qN\",\\n\\t\"InfoBox\": \"InfoBox___9MO75\"\\n};\", \"exports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\\n\\n// imports\\n\\n\\n//
module\\nexports.push([module.id, \".Icon___2CecY {\\n width: 1rem;\\n height: 1rem;\\n fill:
currentColor;\\n}\\n\", \"\");\\n\\n// exports\\nexports.locals = {\\n\\t\"Icon\": \"Icon___2CecY\"\\n};\", \"exports =
module.exports = require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\\n\\n// imports\\n\\n\\n//
module\\nexports.push([module.id, \".Wrapper___15kB {\\n height: 100%;\\n}\\n\", \"\");\\n\\n//
exports\\nexports.locals = {\\n\\t\"Wrapper\": \"Wrapper___15kB\"\\n};\", \"exports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\\n\\n// imports\\n\\n\\n//
module\\nexports.push([module.id, \".Background___39iOi {\\n position: absolute;\\n width: 100%;\\n height:
100%;\\n display: flex;\\n flex-direction: row;\\n align-items: flex-start;\\n justify-content: center;\\n padding:

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1rem;\n background-color: var(--color-modal-background);\n overflow: auto;\n}\n\n.Dialog___2XI77 {\n
position: relative;\n z-index: 3;\n margin: 0 0.25rem;\n width: 25rem;\n min-width: 20rem;\n max-width:
100%;\n display: inline-block;\n background-color: var(--color-background);\n box-shadow: 0 2px 4px var(--
color-shadow);\n padding: 0.5rem;\n border: 1px solid var(--color-border);\n border-radius: 0.25rem;\n font-
size: var(--font-size-sans-normal);\n}\n\n.Title___1FtK3 {\n font-size: var(--font-size-sans-large);\n margin-
bottom: 0.5rem;\n}\n\n.Buttons___3N6w8 {\n text-align: right;\n margin-top:
0.5rem;\n}\n\n.Button___3JNc2 {\n font-size: var(--font-size-sans-large);\n}\n\n,\"");\n\n//
exports\nexports.locals = {\n\t"Background": "Background___39iOi",\n\t"Dialog":
\"Dialog___2XI77\", \n\t\"Title\": \"Title___1FtK3\", \n\t\"Buttons\": \"Buttons___3N6w8\", \n\t\"Button\":
\"Button___3JNc2\"\n};\n,\"exports = module.exports = require(\"../../../../../node_modules/css-loader/lib/css-
base.js\")(false);\n\n// imports\n\n\n// module\nexports.push([module.id, \"ContextMenu___3Zn8W {\n position:
absolute;\n background-color: var(--color-context-background);\n box-shadow: 1px 1px 2px var(--color-
shadow);\n border-radius: 0.25rem;\n overflow: hidden;\n z-index: 1000002;\n user-select: none;\n}\",
\"");\n\n// exports\nexports.locals = {\n\t\"ContextMenu\": \"ContextMenu___3Zn8W\"\n};\n,\"exports =
module.exports = require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\n\n// imports\n\n\n//
module\nexports.push([module.id, \"ContextMenuItem___21C_r {\n display: flex;\n align-items: center;\n\n
color: var(--color-context-text);\n padding: 0.5rem 0.75rem;\n cursor: default;\n border-top: 1px solid var(--
color-context-border);\n font-family: var(--font-family-sans);\n font-size: var(--font-size-sans-
normal);\n}\n\n.ContextMenuItem___21C_r:first-of-type {\n border-top:
none;\n}\n\n.ContextMenuItem___21C_r:hover,\n\n.ContextMenuItem___21C_r:focus {\n outline: 0;\n\n
background-color: var(--color-context-background-hover);\n}\n\n.ContextMenuItem___21C_r:active {\n\n
background-color: var(--color-context-background-selected);\n color: var(--color-context-text-selected);\n}\",
\"");\n\n// exports\nexports.locals = {\n\t\"ContextMenuItem\": \"ContextMenuItem___21C_r\"\n};\n,\"exports =
module.exports = require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\n\n// imports\n\n\n//
module\nexports.push([module.id, \"HocBadges___3V-9f {\n padding: 0.125rem 0.25rem;\n user-select:
none;\n}\n\n\n.Badge___yfw97 {\n display: inline-block;\n background-color: var(--color-component-badg-
e-background);\n color: var(--color-text);\n padding: 0.125rem 0.25rem;\n line-height: normal;\n border-radius:
0.125rem;\n margin-right: 0.25rem;\n font-family: var(--font-family-monospace);\n font-size: var(--font-size-
monospace-small);\n}\n\n,\"");\n\n// exports\nexports.locals = {\n\t\"HocBadges\": \"HocBadges___3V-
9f\", \n\t\"Badge\": \"Badge___yfw97\"\n};\n,\"exports = module.exports = require(\"../../../../../node_modules/css-
loader/lib/css-base.js\")(false);\n\n// imports\n\n\n// module\nexports.push([module.id, \"Input___2Lqoc {\n min-
width: 0.5rem;\n flex: 1 1 auto;\n border: none;\n background: transparent;\n outline: none;\n padding: 0;\n\n
border: none;\n font-family: var(--font-family-monospace);\n font-size: var(--font-size-monospace-
normal);\n}\n\n\n.Input___2Lqoc:focus {\n border-color: var(--color-border);\n}\n\n,\"");\n\n//
exports\nexports.locals = {\n\t\"Input\": \"Input___2Lqoc\"\n};\n,\"exports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\n\n// imports\n\n\n// module\nexports.push([module.id, \"Input___2v7pX {\n flex: 0 1 auto;\n box-shadow: 0px 1px 3px
transparent;\n color: var(--color-text);\n}\n\n\n.Input___2v7pX:focus {\n color: var(--color-text);\n box-shadow:
0px 1px 3px var(--color-shadow);\n}\n\n,\"");\n\n// exports\nexports.locals = {\n\t\"Input\":
\"Input___2v7pX\"\n};\n,\"exports = module.exports = require(\"../../../../../node_modules/css-loader/lib/css-
base.js\")(false);\n\n// imports\n\n\n// module\nexports.push([module.id, \"Checkbox___S8zDe {\n flex: 0 0 auto;\n\n
align-self: center;\n margin: 0 0.25rem;\n}\n\n\n\n.Input___54okB {\n flex: 1 1;\n background: none;\n border:
1px solid transparent;\n color: var(--color-attribute-editable-value);\n border-radius: 0.125rem;\n font-family:
var(--font-family-monospace);\n font-size: var(--font-size-monospace-normal);\n}\n\n\n\n\n.Invalid___AR4Hd {\n\n
flex: 1 1;\n background: none;\n border: 1px solid transparent;\n color: var(--color-attribute-editable-value);\n\n
border-radius: 0.125rem;\n font-family: var(--font-family-monospace);\n font-size: var(--font-size-monospace-
normal);\n background-color: var(--color-background-invalid);\n color: var(--color-text-invalid);\n\n\n --color-
border: var(--color-text-invalid);\n}\n\n\n\n\n\n\n\n.Input___54okB:focus,\n\n\n.Invalid___AR4Hd:focus {\n background-color:

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var(--color-button-background-focus);\n outline: none;\n}\n\nResetButton___k3gXk {\n flex: 0 0 auto;\n
padding: 0 0.5rem;\n}\n\n\"});\n\n// exports\nexports.locals = {\n\t\"Checkbox\":
\n\"Checkbox___S8zDe\", \n\t\"Input\": \"Input___54okB\", \n\t\"Invalid\": \"Invalid___AR4Hd\", \n\t\"ResetButton\":
\n\"ResetButton___k3gXk\";\n};\n\n\"exports = module.exports = require(\"../../../../../node_modules/css-loader/lib/css-
base.js\")(false);\n\n// imports\n\n// module\nexports.push([module.id, \".NewArrayValue___3rHoU {\n white-
space: nowrap;\n display: flex;\n align-items: center;\n}\n\n\nEditableName___3OJ36 {\n margin-left:
1rem;\n}\n\n\nInvalid___1sVw9 {\n background-color: var(--color-background-invalid);\n color: var(--color-
text-invalid) !important;\n}\n\n\nInput___1SYGr:focus, \n\nInvalid___1sVw9:focus {\n background-color: var(--
color-button-background-focus);\n}\n\n\", \"\");\n\n// exports\nexports.locals = {\n\t\"NewArrayValue\":
\n\"NewArrayValue___3rHoU\", \n\t\"EditableName\": \"EditableName___3OJ36\", \n\t\"Invalid\":
\n\"Invalid___1sVw9\", \n\t\"Input\": \"Input___1SYGr\";\n};\n\n\"exports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\n\n// imports\n\n//
module\nexports.push([module.id, \".NewKeyValue___34r7B {\n white-space: nowrap;\n display: flex;\n align-
items: center;\n}\n\n\nEditableName___2W--L {\n margin-left: 1rem;\n}\n\n\nEditableValue___16QOK {\n
min-width: 1rem;\n}\n\n\n\", \"\");\n\n// exports\nexports.locals = {\n\t\"NewKeyValue\":
\n\"NewKeyValue___34r7B\", \n\t\"EditableName\": \"EditableName___2W--L\", \n\t\"EditableValue\":
\n\"EditableValue___16QOK\";\n};\n\n\"exports = module.exports = require(\"../../../../../node_modules/css-
loader/lib/css-base.js\")(false);\n\n// imports\n\n// module\nexports.push([module.id,
\n\".ExpandCollapseToggle___1eSq5 {\n flex: 0 0 1rem;\n width: 1rem;\n height: 1rem;\n padding: 0;\n color:
var(--color-expand-collapse-toggle);\n}\n\n\n\", \"\");\n\n// exports\nexports.locals = {\n\t\"ExpandCollapseToggle\":
\n\"ExpandCollapseToggle___1eSq5\";\n};\n\n\"exports = module.exports = require(\"../../../../../node_modules/css-
loader/lib/css-base.js\")(false);\n\n// imports\n\n// module\nexports.push([module.id, \".Item___2n2qv:not([hidden])
{\n display: flex;\n}\n\n\nDisabledItem___SbUmS {\n opacity: 0.5;\n}\n\n\nName___3LSJX {\n color: var(--
color-attribute-name-not-editable);\n flex: 0 0 auto;\n cursor: default;\n}\n\n\nEditableName___2TyRo {\n
color: var(--color-attribute-name);\n flex: 0 0 auto;\n cursor: default;\n}\n\n\nAfterName___1HIGw {\n color:
var(--color-text);\n margin-right: 0.5rem;\n}\n\n\nValue___7p123 {\n color: var(--color-attribute-value);\n
white-space: pre;\n overflow: hidden;\n text-overflow: ellipsis;\n cursor: default;\n flex:
1;\n}\n\n\nLink___35OsV {\n color: var(--color-link);\n white-space: pre;\n overflow: hidden;\n text-
overflow: ellipsis;\n flex: 1;\n}\n\n\nNone___RYyex {\n color: var(--color-dimmer);\n font-style:
italic;\n}\n\n\nExpandCollapseToggleSpacer___3KNWO {\n flex: 0 0 1rem;\n width:
1rem;\n}\n\n\nEmpty___1MaDj {\n color: var(--color-dimmer);\n}\n\n\nDeleteArrayItemButton___1R-pd {\n
padding: 0;\n margin-right: 0.125rem;\n}\n\n\nHookName___1ZjVf {\n color: var(--color-component-
name);\n}\n\n\n\", \"\");\n\n// exports\nexports.locals = {\n\t\"Item\": \"Item___2n2qv\", \n\t\"DisabledItem\":
\n\"DisabledItem___SbUmS\", \n\t\"Name\": \"Name___3LSJX\", \n\t\"EditableName\":
\n\"EditableName___2TyRo\", \n\t\"AfterName\": \"AfterName___1HIGw\", \n\t\"Value\":
\n\"Value___7p123\", \n\t\"Link\": \"Link___35OsV\", \n\t\"None\":
\n\"None___RYyex\", \n\t\"ExpandCollapseToggleSpacer\":
\n\"ExpandCollapseToggleSpacer___3KNWO\", \n\t\"Empty\": \"Empty___1MaDj\", \n\t\"DeleteArrayItemButton\":
\n\"DeleteArrayItemButton___1R-pd\", \n\t\"HookName\": \"HookName___1ZjVf\";\n};\n\n\"exports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\n\n// imports\n\n//
module\nexports.push([module.id, \".InspectedElementTree___2_4hD {\n padding: 0.25rem;\n border-top: 1px
solid var(--color-border);\n}\n\n\nInspectedElementTree___2_4hD:first-of-type {\n border-top:
none;\n}\n\n\nHeaderRow___3I5kU {\n display: flex;\n align-items: center;\n}\n\n\nHeader___2LZLy {\n
display: flex;\n align-items: center;\n flex: 1 1;\n font-family: var(--font-family-sans);\n}\n\n\nItem___3t7sh
{\n display: flex;\n}\n\n\nName___6619F {\n color: var(--color-attribute-name);\n flex: 0 0
auto;\n}\n\n\nName___6619F:after {\n content: ':';\n color: var(--color-text);\n margin-right:
0.5rem;\n}\n\n\nValue___na2y1 {\n color: var(--color-attribute-value);\n overflow: hidden;\n text-overflow:
ellipsis;\n}\n\n\nNone___1ezJC {\n color: var(--color-dimmer);\n font-style: italic;\n}\n\n\nEmpty___2hAqe

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{\n color: var(--color-dimmer);\n font-style: italic;\n padding-left:
0.75rem;\n}\n\n.ToggleSuspenseRow__3Abo4 {\n padding-left: 1rem;\n white-space: nowrap;\n display:
flex;\n align-items: center;\n}\n\n.EditableValue__2B5lx {\n min-width: 1rem;\n}\n\n"};\n\n//
exports\nexports.locals = {\n\t"InspectedElementTree": "InspectedElementTree__2_4hD",\n\t"HeaderRow":
"HeaderRow__315kU",\n\t"Header": "Header__2LZLy",\n\t"Item": "Item__3t7sh",\n\t"Name":
"Name__6619F",\n\t"Value": "Value__na2yI",\n\t"None": "None__1ezJC",\n\t"Empty":
"Empty__2hAqe",\n\t"ToggleSuspenseRow": "ToggleSuspenseRow__3Abo4",\n\t"EditableValue":
"EditableValue__2B5lx"\n};","exports = module.exports = require("../././././././node_modules/css-loader/lib/css-
base.js")(false);\n\n imports\n\n// module\nexports.push([module.id, ".ErrorTree__OauA_,
.WarningTree__2O5xr {\n padding: 0.25rem 0 0 0;\n}\n\n\n.HeaderRow__2Y3QM {\n padding: 0
0.25rem;\n}\n\n\n.HeaderRow__2Y3QM {\n padding: 0 0.25rem;\n}\n\n\n.Error__CORL1, .Warning__zqCFY
{\n padding: 0 0.5rem;\n display: flex;\n align-items: center;\n}\n\n\n.Error__CORL1 {\n border-top: 1px
solid var(--color-console-error-border);\n background-color: var(--color-console-error-background);\n color: var(-
-color-error-text);\n padding: 0 0.5rem;\n}\n\n\n.Warning__zqCFY {\n border-top: 1px solid var(--color-
console-warning-border);\n background-color: var(--color-console-warning-background);\n color: var(--color-
warning-text);\n padding: 0 0.5rem;\n}\n\n\n.Message__Ky3DI {\n overflow-x: hidden;\n text-overflow:
ellipsis;\n white-space: nowrap;\n}\n\n\n.ErrorBadge__MKpI8,\n\n.WarningBadge__22U6H {\n display: inline-
block;\n width: 0.75rem;\n height: 0.75rem;\n flex: 0 0 0.75rem;\n line-height: 0.75rem;\n text-align:
center;\n border-radius: 0.25rem;\n margin-right: 0.25rem;\n font-size: var(--font-size-monospace-
small);\n}\n\n\n.ErrorBadge__MKpI8 {\n background-color: var(--color-console-error-icon);\n color: var(--
color-console-error-badge-text);\n}\n\n\n.WarningBadge__22U6H {\n background-color: var(--color-console-
warning-icon);\n color: var(--color-console-warning-badge-text);\n}\n\n\n"};\n\n// exports\nexports.locals =
{\n\t"ErrorTree": "ErrorTree__OauA_",\n\t"WarningTree": "WarningTree__2O5xr",\n\t"HeaderRow":
"HeaderRow__2Y3QM",\n\t"Error": "Error__CORL1",\n\t"Warning":
"Warning__zqCFY",\n\t"Message": "Message__Ky3DI",\n\t"ErrorBadge":
"ErrorBadge__MKpI8",\n\t"WarningBadge": "WarningBadge__22U6H"\n};","exports = module.exports =
require("../././././././node_modules/css-loader/lib/css-base.js")(false);\n\n imports\n\n//
module\nexports.push([module.id, ".HooksTreeView__3YmZw {\n padding: 0.25rem;\n border-top: 1px solid
var(--color-border);\n}\n\n\n.Hook__SbvM_ {\n}\n\n\n.Children__1f8xt {\n padding-left:
1rem;\n}\n\n\n.HeaderRow__37mMe {\n display: flex;\n align-items: center;\n}\n\n\n.Header__9n-jL {\n
flex: 1 1;\n font-family: var(--font-family-sans);\n}\n\n\n.NameValueRow__1dbuI {\n display:
flex;\n}\n\n\n\n.Name__3oYR1,\n\n.NameAnonymous__W-cy2 {\n flex: 0 0 auto;\n cursor:
default;\n}\n\n\n.Name__3oYR1 {\n color: var(--color-dim);\n}\n\n\n.NameAnonymous__W-cy2 {\n color: var(--
color-dimmer);\n}\n\n\n.EditableName__1m4Hy {\n color: var(--color-attribute-name);\n flex: 0 0 auto;\n
cursor: default;\n}\n\n\n.EditableName__1m4Hy:after,\n\n.Name__3oYR1:after {\n color: var(--color-text);\n
content: ' '; \n margin-right: 0.5rem;\n}\n\n\n\n.Value__3tDyC {\n color: var(--color-attribute-value);\n overflow:
hidden;\n text-overflow: ellipsis;\n cursor: default;\n white-space: nowrap;\n}\n\n\n\n.None__dHntG {\n color:
var(--color-dimmer);\n font-style: italic;\n}\n\n\n\n.TruncationIndicator__flmBc {\n color: var(--color-
dimmer);\n}\n\n\n\n.ExpandCollapseToggleSpacer__2RAvX {\n flex: 0 0 1rem;\n width:
1rem;\n}\n\n\n\n.PrimitiveHookNumber__1ZHtG {\n background-color: var(--color-primitive-hook-badg-
e-background);\n color: var(--color-primitive-hook-badg-
e-text);\n font-size: var(--font-size-monospace-small);\n
margin-right: 0.25rem;\n border-radius: 0.125rem;\n padding: 0.125rem 0.25rem;\n}\n\n\n\n.HookName__3Pr8I
{\n color: var(--color-component-name);\n}\n\n\n\n.ToggleError__2AMCP {\n color: var(--color-error-
text);\n}\n\n\n"};\n\n// exports\nexports.locals = {\n\t"HooksTreeView":
"HooksTreeView__3YmZw",\n\t"Hook": "Hook__SbvM_",\n\t"Children":
"Children__1f8xt",\n\t"HeaderRow": "HeaderRow__37mMe",\n\t"Header": "Header__9n-
jL",\n\t"NameValueRow": "NameValueRow__1dbuI",\n\t"Name":
"Name__3oYR1",\n\t"NameAnonymous": "NameAnonymous__W-cy2",\n\t"EditableName":

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\EditableName___1m4Hy\",n\t\"Value\": \"Value___3tDyC\",n\t\"None\":
\"None___dHntG\",n\t\"TruncationIndicator\":
\"TruncationIndicator___fImBc\",n\t\"ExpandCollapseToggleSpacer\":
\"ExpandCollapseToggleSpacer___2RAvX\",n\t\"PrimitiveHookNumber\":
\"PrimitiveHookNumber___1ZHtG\",n\t\"HookName\": \"HookName___3Pr8I\",n\t\"ToggleError\":
\"ToggleError___2AMCP\"n};\",exports = module.exports = require(\"../../../../../node_modules/css-
loader/lib/css-base.js\")(false);n// imports\n\n// module\n\nexports.push([module.id, \".Source___DuiDm {\n\n
color: var(--color-dim);\n\n margin-left: 1rem;\n\n overflow: auto;\n\n text-overflow: ellipsis;\n\n}\", \"\"]);n\n//
exports\n\nexports.locals = {\n\t\"Source\": \"Source___DuiDm\"n};\",exports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);n// imports\n\n//
module\n\nexports.push([module.id, \".LayoutViewer___215Ad {\n\n padding: 0.25rem;\n\n border-top: 1px solid
var(--color-border);\n\n font-family: var(--font-family-monospace);\n\n font-size: var(--font-size-monospace-
small);\n\n}\n\n\n.Header___YXSRg {\n\n font-family: var(--font-family-
sans);\n\n}\n\n\n.DashedBox___i8dxS,\n\n.SolidBox___1W-UG {\n\n flex: 1 1 auto;\n\n display: flex;\n\n flex-direction:
column;\n\n align-items: center;\n\n border-width: 1px;\n\n border-color: var(--color-dim);\n\n padding: 0.25rem;\n\n
margin: 0.25rem;\n\n}\n\n\n.DashedBox___i8dxS {\n\n border-style: dashed;\n\n}\n\n\n.SolidBox___1W-UG {\n\n border-
style: solid;\n\n}\n\n\n.LabelRow___2SQOh {\n\n width: 100%;\n\n position: relative;\n\n display: flex;\n\n align-items:
center;\n\n justify-content: center;\n\n}\n\n\n.Label___IskVY {\n\n position: absolute;\n\n left: 0.5rem;\n\n flex: 1 0
100px;\n\n color: var(--color-attribute-name);\n\n}\n\n\n.BoxRow___2_1as {\n\n width: 100%;\n\n display: flex;\n\n
flex-direction: row;\n\n align-items: center;\n\n}\n\n\n\"\", \"\"]);n\n// exports\n\nexports.locals = {\n\t\"LayoutViewer\":
\"LayoutViewer___215Ad\",n\t\"Header\": \"Header___YXSRg\",n\t\"DashedBox\":
\"DashedBox___i8dxS\",n\t\"SolidBox\": \"SolidBox___1W-UG\",n\t\"LabelRow\":
\"LabelRow___2SQOh\",n\t\"Label\": \"Label___IskVY\",n\t\"BoxRow\": \"BoxRow___2_1as\"n};\",exports =
module.exports = require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);n// imports\n\n//
module\n\nexports.push([module.id, \".StyleEditor___1RvzE {\n\n font-family: var(--font-family-monospace);\n\n
font-size: var(--font-size-monospace-normal);\n\n padding: 0.25rem;\n\n border-top: 1px solid var(--color-
border);\n\n}\n\n\n.HeaderRow___xyA6t {\n\n display: flex;\n\n align-items: center;\n\n}\n\n\n.Header___2SGfE {\n\n
flex: 1 1;\n\n}\n\n\n.Brackets___2zA4K {\n\n font-family: var(--font-family-sans);\n\n font-size: var(--font-size-sans-
small);\n\n}\n\n\n.Row___3v8mp {\n\n white-space: nowrap;\n\n padding-left: 1rem;\n\n display: flex;\n\n align-items:
center;\n\n}\n\n\n.Invalid___3ogBH {\n\n background-color: var(--color-background-invalid);\n\n color: var(--color-
text-invalid);\n\n\n --color-border: var(--color-text-invalid);\n\n}\n\n\n.Attribute___2yC0c {\n\n color: var(--color-
attribute-name);\n\n}\n\n\n.Value___1yJUg {\n\n color: var(--color-attribute-value);\n\n}\n\n\n.Input___3Zdnf {\n\n
flex: 0 1 auto;\n\n padding: 1px;\n\n box-shadow: 0px 1px 3px transparent;\n\n}\n\n\n.Input___3Zdnf:focus {\n\n color:
var(--color-text);\n\n box-shadow: 0px 1px 3px var(--color-shadow);\n\n}\n\n\n.Empty___3Pi3w {\n\n color: var(--
color-dimmer);\n\n font-style: italic;\n\n user-select: none;\n\n padding-left: 1rem;\n\n}\n\n\n\"\", \"\"]);n\n//
exports\n\nexports.locals = {\n\t\"StyleEditor\": \"StyleEditor___1RvzE\",n\t\"HeaderRow\":
\"HeaderRow___xyA6t\",n\t\"Header\": \"Header___2SGfE\",n\t\"Brackets\": \"Brackets___2zA4K\",n\t\"Row\":
\"Row___3v8mp\",n\t\"Invalid\": \"Invalid___3ogBH\",n\t\"Attribute\": \"Attribute___2yC0c\",n\t\"Value\":
\"Value___1yJUg\",n\t\"Input\": \"Input___3Zdnf\",n\t\"Empty\": \"Empty___3Pi3w\"n};\",exports =
module.exports = require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);n// imports\n\n//
module\n\nexports.push([module.id, \".Owners___13tPI {\n\n padding: 0.25rem;\n\n border-top: 1px solid var(--color-
border);\n\n}\n\n\n.OwnersHeader___3Yv3d {\n\n font-family: var(--font-family-sans);\n\n}\n\n\n.Source___5R8o
{\n\n padding: 0.25rem;\n\n border-top: 1px solid var(--color-border);\n\n}\n\n\n.SourceHeaderRow___2mf8O {\n\n
display: flex;\n\n align-items: center;\n\n}\n\n\n.SourceHeader___3eTnC {\n\n flex: 1 1;\n\n font-family: var(--font-
family-sans);\n\n}\n\n\n.SourceOneLiner___1CmzZ {\n\n font-family: var(--font-family-monospace);\n\n font-size:
var(--font-size-monospace-normal);\n\n white-space: nowrap;\n\n overflow: hidden;\n\n text-overflow: ellipsis;\n\n
max-width: 100%;\n\n margin-left: 1rem;\n\n}\n\n\n.Owner___3pCT- {\n\n color: var(--color-component-name);\n\n
font-family: var(--font-family-monospace);\n\n font-size: var(--font-size-monospace-normal);\n\n white-space:

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nowrap;\n overflow: hidden;\n text-overflow: ellipsis;\n max-width: 100%;\n}\n\nInspectedElement___AIaEa  
{\n overflow-x: hidden;\n overflow-y: auto;\n font-family: var(--font-family-monospace);\n font-size: var(--  
font-size-monospace-normal);\n line-height: var(--line-height-data);\n}\n\nOwner___3pCT- {\n border-radius:  
0.25rem;\n padding: 0.125rem 0.25rem;\n background: none;\n border: none;\n display:  
block;\n}\n\nOwner___3pCT-:focus {\n outline: none;\n background-color: var(--color-button-background-  
focus);\n}\n\nNotInStore___1AhKj {\n color: var(--color-dim);\n cursor:  
default;\n}\n\nOwnerButton___1ZvI9 {\n cursor: pointer;\n width: 100%;\n padding:  
0;\n}\n\nOwnerContent___1S1aF {\n display: flex;\n align-items: center;\n padding-left: 1rem;\n width:  
100%;\n border-radius: 0.25rem;\n}\n\nOwnerContent___1S1aF:hover {\n background-color: var(--color-  
background-hover);\n}\n\nContextMenuIcon___2EG7W {\n margin-right:  
0.5rem;\n}\n\nOwnersMetaField___ot46- {\n padding-left: 1.25rem;\n white-space: nowrap;\n overflow:  
hidden;\n text-overflow: ellipsis;\n}\n\n// exports\n\nexports.locals = {\n\n  \"Owners___13tPI\",\n\n  \"OwnersHeader\": \"OwnersHeader___3Yv3d\",\n\n  \"Source\\\":  
\"Source___5R8o\",\n\n  \"SourceHeaderRow\": \"SourceHeaderRow___2mf8O\",\n\n  \"SourceHeader\\\":  
\"SourceHeader___3eTnC\",\n\n  \"SourceOneLiner\": \"SourceOneLiner___1CmzZ\",\n\n  \"Owner\\\":  
\"Owner___3pCT-\",\n\n  \"InspectedElement\": \"InspectedElement___AIaEa\",\n\n  \"NotInStore\\\":  
\"NotInStore___1AhKj\",\n\n  \"OwnerButton\": \"OwnerButton___1ZvI9\",\n\n  \"OwnerContent\\\":  
\"OwnerContent___1S1aF\",\n\n  \"ContextMenuIcon\\\": \"ContextMenuIcon___2EG7W\",\n\n  \"OwnersMetaField\\\":  
\"OwnersMetaField___ot46-\";\n};\n\nexports = module.exports = require(\"../../../../../node_modules/css-  
loader/lib/css-base.js\")(false);\n\n// imports\n\nmodule.exports.push([module.id, \"InspectedElement___gy6ot  
{\n display: flex;\n flex-direction: column;\n height: 100%;\n width: 100%;\n border-left: 1px solid var(--  
color-border);\n border-top: 1px solid var(--color-border);\n}\n\nTitleRow___2UUrj {\n flex: 0 0 42px;\n display: flex;\n align-items: center;\n font-size: var(--font-size-monospace-large);\n border-bottom: 1px solid  
var(--color-border);\n padding: 0.5rem;\n}\n\nKey___1eadz {\n flex: 0 1 auto;\n padding-left: 0.25rem;\n padding-right: 0.125rem;\n line-height: 1rem;\n border-top-left-radius: 0.125rem;\n border-bottom-left-radius:  
0.125rem;\n display: inline-block;\n background-color: var(--color-component-badge-background);\n color:  
var(--color-text);\n font-family: var(--font-family-monospace);\n font-size: var(--font-size-monospace-small);\n white-space: nowrap;\n overflow: hidden;\n text-overflow: ellipsis;\n max-width:  
100%;\n}\n\nKeyArrow___2TKpc {\n height: 1rem;\n width: 1rem;\n margin-right: -0.25rem;\n border:  
0.5rem solid transparent;\n border-left: 0.5rem solid var(--color-component-badge-  
background);\n}\n\nSelectedComponentName___3ByrZ {\n flex: 1 1 auto;\n overflow: hidden;\n text-  
overflow: ellipsis;\n line-height: normal;\n}\n\nComponent___No3ti {\n flex: 1 1 auto;\n color: var(--color-  
component-name);\n font-family: var(--font-family-monospace);\n font-size: var(--font-size-monospace-  
normal);\n white-space: nowrap;\n overflow: hidden;\n text-overflow: ellipsis;\n max-width:  
100%;\n}\n\nLoading___1cYSg {\n padding: 0.25rem;\n color: var(--color-dimmer);\n font-style: italic;\n border-left: 1px solid var(--color-border);\n}\n\nStrictModeNonCompliant___2P55H {\n margin-right:  
0.25rem;\n color: var(--color-console-error-icon);\n}\n\n// exports\n\nexports.locals =  
{\n\n  \"InspectedElement\": \"InspectedElement___gy6ot\",\n\n  \"TitleRow\\\": \"TitleRow___2UUrj\",\n\n  \"Key\\\":  
\"Key___1eadz\",\n\n  \"KeyArrow\\\": \"KeyArrow___2TKpc\",\n\n  \"SelectedComponentName\\\":  
\"SelectedComponentName___3ByrZ\",\n\n  \"Component\\\": \"Component___No3ti\",\n\n  \"Loading\\\":  
\"Loading___1cYSg\",\n\n  \"StrictModeNonCompliant\\\": \"StrictModeNonCompliant___2P55H\";\n};\n\nexports =  
module.exports = require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\n\n// imports\n\nmodule.exports.push([module.id, \"Tab___20JoC,\n\n.TabCurrent___b4c3L,\n\n.TabDisabled___11-ZF {\n height:  
100%;\n display: flex;\n align-items: center;\n cursor: pointer;\n border-top: 3px solid transparent;\n border-  
bottom: 3px solid transparent;\n user-select: none;\n color: var(--color-text);\n\n /* Hide radio buttons for  
Firefox too */\n position: relative;\n\n /* Electron drag area */\n -webkit-app-region: no-  
drag;\n}\n\n.Tab___20JoC:hover,\n\n.TabCurrent___b4c3L:hover {\n background-color: var(--color-background-  
hover);\n}\n\n.Tab___20JoC:focus-within,\n\n.TabCurrent___b4c3L:focus-within {\n background-color: var(--
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color-background-hover);\\n}\\n\\n.TabCurrent___b4c3L {\\n border-bottom: 3px solid var(--color-tab-selected-
border);\\n}\\n\\n.TabDisabled___11-ZF {\\n color: var(--color-dim);\\n cursor:
default;\\n}\\n\\n.TabSizeNavigation___2GG1g {\\n font-size: var(--font-size-sans-large);\\n padding: 0.5rem
1rem;\\n}\\n\\n.TabSizeProfiler___2wFBf {\\n font-size: var(--font-size-sans-normal);\\n padding: 0.25rem
0.5rem;\\n}\\n\\n.TabSizeSettings___3V4f9 {\\n font-size: var(--font-size-sans-normal);\\n padding: 0.25rem
0.5rem;\\n}\\n\\n.Input___2unCl {\\n width: 0;\\n margin: 0;\\n opacity: 0;\\n\\n /* Hide radio buttons for Firefox
too */\\n position:
absolute;\\n}\\n\\n.IconSizeNavigation___mZIpl,\\n.IconSizeProfiler___1jYXs,\\n.IconSizeSettings___1HNRk {\\n
margin-right: 0.5rem;\\n color: var(--color-button-active);\\n}\\n\\n.IconDisabled___17Sd2 {\\n color: var(--color-
dim);\\n}\\n\\n.IconSizeNavigation___mZIpl {\\n width: 1.5rem;\\n height:
1.5rem;\\n}\\n\\n.IconSizeProfiler___1jYXs {\\n width: 1rem;\\n height: 1rem;\\n}\\n\\n.IconSizeSettings___1HNRk
{\\n width: 1rem;\\n height:
1rem;\\n}\\n\\n.TabLabelNavigation___2q3j3,\\n.TabLabelProfiler___2QHeh,\\n.TabLabelSettings___1pDKr
{\\n}\\n\\n.VRule___QpkmZ {\\n height: 20px;\\n width: 1px;\\n border-left: 1px solid var(--color-border);\\n
padding-left: 0.25rem;\\n margin-left: 0.25rem;\\n}\\n\\n\\n@media screen and (max-width: 525px) {\\n
.IconSizeNavigation___mZIpl {\\n margin-right: 0;\\n }\\n\\n .TabLabelNavigation___2q3j3 {\\n display:
none;\\n }\\n}\\n\\n\\n@media screen and (max-width: 900px) {\\n .TabLabelProfiler___2QHeh {\\n display:
none;\\n }\\n\\n .IconSizeProfiler___1jYXs {\\n margin-right: 0;\\n }\\n}\\n\\n\\n@media screen and (max-width:
400px) {\\n .TabLabelSettings___1pDKr {\\n display: none;\\n }\\n\\n .IconSizeSettings___1HNRk {\\n
margin-right: 0;\\n }\\n}\\n\\n", "\\n");\\n\\n// exports\\nexports.locals = {\\n\\t"Tab\\":
\\t"Tab___20JoC\\",\\n\\t"TabCurrent\\": \\t"TabCurrent___b4c3L\\",\\n\\t"TabDisabled\\": \\t"TabDisabled___11-
ZF\\",\\n\\t"TabSizeNavigation\\": \\t"TabSizeNavigation___2GG1g\\",\\n\\t"TabSizeProfiler\\":
\\t"TabSizeProfiler___2wFBf\\",\\n\\t"TabSizeSettings\\": \\t"TabSizeSettings___3V4f9\\",\\n\\t"Input\\":
\\t"Input___2unCl\\",\\n\\t"IconSizeNavigation\\": \\t"IconSizeNavigation___mZIpl\\",\\n\\t"IconSizeProfiler\\":
\\t"IconSizeProfiler___1jYXs\\",\\n\\t"IconSizeSettings\\": \\t"IconSizeSettings___1HNRk\\",\\n\\t"IconDisabled\\":
\\t"IconDisabled___17Sd2\\",\\n\\t"TabLabelNavigation\\": \\t"TabLabelNavigation___2q3j3\\",\\n\\t"TabLabelProfiler\\":
\\t"TabLabelProfiler___2QHeh\\",\\n\\t"TabLabelSettings\\": \\t"TabLabelSettings___1pDKr\\",\\n\\t"VRule\\":
\\t"VRule___QpkmZ\\"};\\n", "exports = module.exports = require(\"../../../../../node_modules/css-loader/lib/css-
base.js\")(false);\\n// imports\\n\\n// module\\nexports.push([module.id, \\n.Settings___29B2k {\\n display: flex;\\n
flex-direction: column;\\n align-items: flex-start;\\n justify-content: flex-start;\\n font-family: var(--font-family-
sans);\\n font-size: var(--font-size-sans-normal);\\n}\\n\\n.Setting___1NJgU {\\n margin-bottom:
0.5rem;\\n}\\n\\n.Setting___1NJgU:last-of-type {\\n margin-bottom: 0;\\n}\\n\\n.OpenInURLSetting___2eTwK {\\n
margin: 0.5rem 0;\\n}\\n\\n.OptionGroup___2ZgHP {\\n display: inline-flex;\\n flex-direction: row;\\n align-items:
center;\\n user-select: none;\\n margin: 0 1rem 0.5rem 0;\\n}\\n\\n.OptionGroup___2ZgHP:last-of-type {\\n margin-
right: 0;\\n}\\n\\n.RadioLabel___1oyOB {\\n display: inline;\\n margin-right: 0.5rem;\\n}\\n\\n.Spacer___1rTaV
{\\n height: 0.5rem;\\n}\\n\\n.Select___1otXV {\\n}\\n\\n.CheckboxOption___2XWVZ {\\n display: block;\\n
padding: 0 0 0.5rem;\\n}\\n\\n.HRule___1h4ad {\\n height: 1px;\\n background-color: var(--color-border);\\n
width: 100%;\\n border: none;\\n margin: 0.5rem 0;\\n}\\n\\n.Header___NGIlt {\\n font-size: var(--font-size-sans-
large);\\n margin-top: 0.5rem;\\n}\\n\\n.ButtonIcon___3ZAjp {\\n margin-right:
0.25rem;\\n}\\n\\n.NoFiltersCell___1WYR2 {\\n padding: 0.25rem 0;\\n color: var(--color-
dim);\\n}\\n\\n.Table___2srES {\\n min-width: 20rem;\\n margin-top: 0.5rem;\\n border-spacing:
0;\\n}\\n\\n.TableRow___3kYuW {\\n padding-bottom: 0.5rem;\\n}\\n\\n.TableCell___1yj52 {\\n padding: 0;\\n
padding-right: 0.5rem;\\n}\\n\\n.TableCell___1yj52:last-of-type {\\n text-align: right;\\n padding-right:
0;\\n}\\n\\n.Input___I9AdA {\\n border: 1px solid var(--color-border);\\n border-radius: 0.125rem;\\n padding:
0.125rem;\\n}\\n\\n.InvalidRegExp___35ImE,\\n.InvalidRegExp___35ImE:active,\\n.InvalidRegExp___35ImE:focu
s,\\n.InvalidRegExp___35ImE:hover {\\n color: var(--color-value-
invalid);\\n}\\n\\n.ToggleOffInvalid___2Rg2K,\\n.ToggleOnInvalid___1Kamt,\\n.ToggleOff___3cr6E,\\n.ToggleOn
___3KAVB {\\n border-radius: 0.75rem;\\n width: 1rem;\\n height: 0.625rem;\\n display: flex;\\n align-items:
```



```

width: -moz-max-content;\n width: -webkit-max-content;\n}\n\n", ""});\n\n// exports\nexports.locals =
{\n\t"Tooltip": \"Tooltip__NP68S\",\n\t"hidden": \"hidden__3rGbV\",\n\t"Container":
\"Container__3aJAm\",\n};\n\nexports = module.exports = require(\"../../../../../node_modules/css-loader/lib/css-
base.js\")(false);\n\n// imports\n\n// module\nexports.push([module.id, \".Container__WYOTp {\n width:
100%;\n flex: 1;\n padding: 0.5rem;\n}\n\n.PatternPath__2kgd1 {\n stroke: var(--color-commit-did-not-
render-pattern);\n stroke-width: 1;\n}\n\n", ""});\n\n// exports\nexports.locals = {\n\t"Container":
\"Container__WYOTp\",\n\t"PatternPath": \"PatternPath__2kgd1\",\n};\n\nexports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\n\n// imports\n\n//
module\nexports.push([module.id, \".Container__2D32U {\n width: 100%;\n flex: 1;\n padding:
0.5rem;\n}\n\n", ""});\n\n// exports\nexports.locals = {\n\t"Container": \"Container__2D32U\",\n};\n\nexports =
module.exports = require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\n\n// imports\n\n//
module\nexports.push([module.id, \".Spacer__1c3sH {\n flex: 1;\n}\n\n", ""});\n\n// exports\nexports.locals =
{\n\t"Spacer": \"Spacer__1c3sH\",\n};\n\nexports = module.exports = require(\"../../../../../node_modules/css-
loader/lib/css-base.js\")(false);\n\n// imports\n\n// module\nexports.push([module.id,
\".ActiveRecordToggle__1Cpcb {\n color: var(--color-record-active);\n}\n\n.ActiveRecordToggle__1Cpcb:hover
{\n color: var(--color-record-active);\n}\n\n.ActiveRecordToggle__1Cpcb:focus {\n color: var(--color-record-
active);\n}\n\n.ActiveRecordToggle__1Cpcb:active {\n color: var(--color-record-
hover);\n}\n\n.InactiveRecordToggle__2CUtF {\n color: var(--color-record-
inactive);\n}\n\n.InactiveRecordToggle__2CUtF:hover {\n color: var(--color-record-
hover);\n}\n\n.InactiveRecordToggle__2CUtF:focus {\n color: var(--color-record-
inactive);\n}\n\n.InactiveRecordToggle__2CUtF:active {\n color: var(--color-record-
hover);\n}\n\n.DisabledRecordToggle__gcsbF {\n color: var(--color-button-
disabled);\n}\n\n.DisabledRecordToggle__gcsbF:hover {\n color: var(--color-button-
disabled);\n}\n\n.DisabledRecordToggle__gcsbF:focus {\n color: var(--color-button-
disabled);\n}\n\n.DisabledRecordToggle__gcsbF:active {\n color: var(--color-button-
disabled);\n}\n\n",
\"\"});\n\n// exports\nexports.locals = {\n\t"ActiveRecordToggle":
\"ActiveRecordToggle__1Cpcb\",\n\t"InactiveRecordToggle":
\"InactiveRecordToggle__2CUtF\",\n\t"DisabledRecordToggle":
\"DisabledRecordToggle__gcsbF\",\n};\n\nexports = module.exports = require(\"../../../../../node_modules/css-
loader/lib/css-base.js\")(false);\n\n// imports\n\n// module\nexports.push([module.id, \".Profiler__20Ry4 {\n
width: 100%;\n height: 100%;\n position: relative;\n display: flex;\n flex-direction: row;\n align-items:
stretch;\n font-family: var(--font-family-sans);\n font-size: var(--font-size-sans-normal);\n background-color:
var(--color-background);\n color: var(--color-text);\n}\n\n.Profiler__20Ry4, .Profiler__20Ry4 * {\n box-
sizing: border-box;\n -webkit-font-smoothing: var(--font-smoothing);\n}\n\n.LeftColumn__3I7-I {\n display:
flex;\n flex-direction: column;\n flex: 2 1 200px;\n border-top: 1px solid var(--color-
border);\n}\n\n.RightColumn__3smXD {\n display: flex;\n flex-direction: column;\n flex: 1 1 100px;\n
max-width: 300px;\n overflow-x: hidden;\n border-left: 1px solid var(--color-border);\n border-top: 1px solid
var(--color-border);\n}\n\n.Content__1LjDy {\n position: relative;\n flex: 1 1 auto;\n display: flex;\n flex-
direction: column;\n align-items: center;\n justify-content: center;\n}\n\n.Column__3WWtw {\n display:
flex;\n flex-direction: column;\n align-items: center;\n justify-content: center;\n padding: 0
1rem;\n}\n\n.Paragraph__1HLty {\n text-align: center;\n}\n\n.Row__1RpSu {\n display: flex;\n flex-
direction: row;\n align-items: center;\n justify-content: center;\n}\n\n.LearnMoreRow__3IYIu {\n margin-
top: 1rem;\n color: var(--color-dim);\n font-size: var(--font-size-sans-small);\n}\n\n.Header__QyJw2 {\n
font-size: var(--font-size-sans-large);\n margin-bottom: 0.5rem;\n}\n\n.Toolbar__30kHu {\n height:
2.25rem;\n padding: 0 0.25rem;\n flex: 0 0 auto;\n display: flex;\n align-items: center;\n border-bottom: 1px
solid var(--color-border);\n}\n\n.VRule__2y9G3 {\n height: 20px;\n width: 1px;\n border-left: 1px solid var(-
color-border);\n padding-left: 0.25rem;\n margin-left: 0.25rem;\n}\n\n.Spacer__1sezP {\n flex:
1;\n}\n\n.StopRecordingButton__1EIU {\n font-size: var(--font-size-sans-large);\n padding:

```



```

\"FlamechartStackFrameName___15Syk\",\\n\\t\"ComponentName\":
\"ComponentName___M_PGg\",\\n\\t\"ReactMeasureLabel\":
\"ReactMeasureLabel___rpyRN\",\\n\\t\"UserTimingLabel\":
\"UserTimingLabel___1Fpxr\",\\n\\t\"NativeEventName\": \"NativeEventName___HXtAH\",\\n\\t\"InfoText\":
\"InfoText___1A4gs\",\\n\\t\"WarningText\": \"WarningText___cf11Y\",\\n\\t\"Image\":
\"Image___3nrFz\",\\n\\t\"DimText\": \"DimText___asq74\"\\n};\", \"exports = module.exports =
require(\"../../node_modules/css-loader/lib/css-base.js\")(false);\\n// imports\\n\\n//
module\\nexports.push([module.id, \".CanvasPage___1bMJ5 {\\n position: absolute;\\n top: 0;\\n bottom: 0;\\n
left: 0;\\n right: 0;\\n}\\n\", \"\");\\n\\n// exports\\nexports.locals = {\\n\\t\"CanvasPage\":
\"CanvasPage___1bMJ5\"\\n};\", \"/*\\n * Copyright (c) 2014-present, Facebook, Inc.\\n *\\n * This source code is
licensed under the MIT license found in the\\n * LICENSE file in the root directory of this source tree.\\n */\\n\\nvar
runtime = (function (exports) {\\n  \"use strict\";\\n\\n  var Op = Object.prototype;\\n  var hasOwn =
Op.hasOwnProperty;\\n  var undefined; // More compressible than void 0.\\n  var $Symbol = typeof Symbol ===
\"function\" ? Symbol : {};\\n  var iteratorSymbol = $Symbol.iterator || \"@@iterator\";\\n  var asyncIteratorSymbol =
$Symbol.asyncIterator || \"@@asyncIterator\";\\n  var toStringTagSymbol = $Symbol.toStringTag ||
\"@@toStringTag\";\\n\\n  function define(obj, key, value) {\\n    Object.defineProperty(obj, key, {\\n      value:
value,\\n      enumerable: true,\\n      configurable: true,\\n      writable: true\\n    });\\n    return obj[key];\\n  }\\n  try {\\n
// IE 8 has a broken Object.defineProperty that only works on DOM objects.\\n    define({}, \"\");\\n  } catch (err) {\\n
define = function(obj, key, value) {\\n    return obj[key] = value;\\n  };\\n  }\\n\\n  function wrap(innerFn, outerFn,
self, tryLocsList) {\\n    // If outerFn provided and outerFn.prototype is a Generator, then outerFn.prototype
instanceof Generator.\\n    var protoGenerator = outerFn && outerFn.prototype instanceof Generator ? outerFn :
Generator;\\n    var generator = Object.create(protoGenerator.prototype);\\n    var context = new Context(tryLocsList
|| []);\\n\\n    // The ._invoke method unifies the implementations of the .next,\\n    // .throw, and .return methods.\\n
generator._invoke = makeInvokeMethod(innerFn, self, context);\\n\\n    return generator;\\n  }\\n  exports.wrap =
wrap;\\n\\n  // Try/catch helper to minimize deoptimizations. Returns a completion\\n  // record like
context.tryEntries[i].completion. This interface could\\n  // have been (and was previously) designed to take a closure
to be\\n  // invoked without arguments, but in all the cases we care about we\\n  // already have an existing method we
want to call, so there's no need\\n  // to create a new function object. We can even get away with assuming\\n  // the
method takes exactly one argument, since that happens to be true\\n  // in every case, so we don't have to touch the
arguments object. The\\n  // only additional allocation required is the completion record, which\\n  // has a stable
shape and so hopefully should be cheap to allocate.\\n  function tryCatch(fn, obj, arg) {\\n    try {\\n      return { type:
\"normal\", arg: fn.call(obj, arg) };\\n    } catch (err) {\\n      return { type: \"throw\", arg: err };\\n    }\\n  }\\n\\n  var
GenStateSuspendedStart = \"suspendedStart\";\\n  var GenStateSuspendedYield = \"suspendedYield\";\\n  var
GenStateExecuting = \"executing\";\\n  var GenStateCompleted = \"completed\";\\n\\n  // Returning this object from
the innerFn has the same effect as\\n  // breaking out of the dispatch switch statement.\\n  var ContinueSentinel =
{};\\n\\n  // Dummy constructor functions that we use as the .constructor and\\n  // .constructor.prototype properties for
functions that return Generator\\n  // objects. For full spec compliance, you may wish to configure your\\n  // minifier
not to mangle the names of these two functions.\\n  function Generator() {}\\n  function GeneratorFunction() {}\\n
function GeneratorFunctionPrototype() {}\\n\\n  // This is a polyfill for %IteratorPrototype% for environments that\\n
// don't natively support it.\\n  var IteratorPrototype = {};\\n  IteratorPrototype[iteratorSymbol] = function () {\\n
return this;\\n  };\\n\\n  var getProto = Object.getPrototypeOf;\\n  var NativeIteratorPrototype = getProto &&
getProto(getProto(values([])));\\n  if (NativeIteratorPrototype && NativeIteratorPrototype !== Op &&\\n
hasOwn.call(NativeIteratorPrototype, iteratorSymbol)) {\\n    // This environment has a native %IteratorPrototype%;
use it instead\\n    // of the polyfill.\\n    IteratorPrototype = NativeIteratorPrototype;\\n  }\\n\\n  var Gp =
GeneratorFunctionPrototype.prototype =\\n  Generator.prototype = Object.create(IteratorPrototype);\\n
GeneratorFunction.prototype = Gp.constructor = GeneratorFunctionPrototype;\\n
GeneratorFunctionPrototype.constructor = GeneratorFunction;\\n  GeneratorFunction.displayName = define(\\n
GeneratorFunctionPrototype,\\n  toStringTagSymbol,\\n  \"GeneratorFunction\"\\n );\\n\\n  // Helper for defining the

```

```

.next, .throw, and .return methods of the
// Iterator interface in terms of a single ._invoke method.
function
defineIteratorMethods(prototype) {
  ["next", "throw", "return"].forEach(function(method) {
    define(prototype, method, function(arg) {
      return this._invoke(method, arg);
    });
  });
}
exports.isGeneratorFunction = function(genFun) {
  var ctor = typeof genFun === "function" &&
  genFun.constructor;
  return ctor && ctor === GeneratorFunction ||
  // For the native GeneratorFunction
  constructor, the best we can
  // do is to check its .name property.
  (ctor.displayName || ctor.name) ===
  "GeneratorFunction"
  : false;
}
exports.mark = function(genFun) {
  if (Object.setPrototypeOf) {
    Object.setPrototypeOf(genFun, GeneratorFunctionPrototype);
  } else {
    genFun.__proto__ =
    GeneratorFunctionPrototype;
    define(genFun, toStringTagSymbol, "GeneratorFunction");
  }
  genFun.prototype = Object.create(Gp);
  return genFun;
}
// Within the body of any async function, `await
x` is transformed to
// `yield regeneratorRuntime.awrap(x)`, so that the runtime can test
// `hasOwn.call(value,
"__await")` to determine if the yielded value is
// meant to be awaited.
exports.awrap = function(arg) {
  return { __await: arg };
}
function AsyncIterator(generator, PromiseImpl) {
  function invoke(method,
arg, resolve, reject) {
    var record = tryCatch(generator[method], generator, arg);
    if (record.type ===
"throw") {
      reject(record.arg);
    } else {
      var result = record.arg;
      var value = result.value;
      if (value &&
typeof value === "object" &&
hasOwn.call(value, "__await") {
        return
PromiseImpl.resolve(value.__await).then(function(value) {
          invoke("next", value, resolve, reject);
        }, function(err) {
          invoke("throw", err, resolve, reject);
        });
      }
      return
PromiseImpl.resolve(value).then(function(unwrapped) {
        // When a yielded Promise is resolved, its final
        value becomes
        // the .value of the Promise<{value,done}> result for the
        // current iteration.
        result.value = unwrapped;
        resolve(result);
      }, function(error) {
        // If a rejected Promise was
        yielded, throw the rejection back
        // into the async generator function so it can be handled there.
        return
invoke("throw", error, resolve, reject);
      });
    }
  }
  var previousPromise;
  function
enqueue(method, arg) {
    function callInvokeWithMethodAndArg() {
      return new
PromiseImpl(function(resolve, reject) {
        invoke(method, arg, resolve, reject);
      });
    }
    return
previousPromise =
// If enqueue has been called before, then we want to wait until
// all previous
Promises have been resolved before calling invoke,
// so that results are always delivered in the correct order.
If
// enqueue has not been called before, then it is important to
// call invoke immediately, without
waiting on a callback to fire,
// so that the async generator function has the opportunity to do
// any
necessary setup in a predictable way. This predictability
// is why the Promise constructor synchronously
invokes its
// executor callback, and why async functions synchronously
// execute code before the first
await. Since we implement simple
// async functions in terms of async generators, it is especially
//
important to get this right, even though it requires care.
previousPromise ? previousPromise.then(
callInvokeWithMethodAndArg,
// Avoid propagating failures to Promises returned by later
//
invocations of the iterator.
callInvokeWithMethodAndArg
) : callInvokeWithMethodAndArg();
}
// Define the unified helper method that is used to implement .next,
// .throw, and .return (see
defineIteratorMethods).
this._invoke = enqueue;
}
defineIteratorMethods(AsyncIterator.prototype);
AsyncIterator.prototype[asyncIteratorSymbol] = function () {
  return this;
};
exports.AsyncIterator =
AsyncIterator;
// Note that simple async functions are implemented on top of
// AsyncIterator objects; they
just return a Promise for the value of
// the final result produced by the iterator.
exports.async =
function(innerFn, outerFn, self, tryLocsList, PromiseImpl) {
  if (PromiseImpl === void 0) PromiseImpl =
Promise;
  var iter = new AsyncIterator(
wrap(innerFn, outerFn, self, tryLocsList),
PromiseImpl
);
  return exports.isGeneratorFunction(outerFn)
? iter // If outerFn is a generator, return the full iterator.
: iter.next().then(function(result) {
  return result.done ? result.value : iter.next();
});
}
function
makeInvokeMethod(innerFn, self, context) {
  var state = GenStateSuspendedStart;
  return function
invoke(method, arg) {
    if (state === GenStateExecuting) {
      throw new Error("Generator is already
running");
    }
    if (state === GenStateCompleted) {
      if (method === "throw") {
        throw arg;
      }
    }
    // Be forgiving, per 25.3.3.3.3 of the spec:
    // https://people.mozilla.org/~jorendorff/es6-

```

```

draft.html#sec-generatorresume\n    return doneResult();\n    }\n\n    context.method = method;\n    context.arg
= arg;\n\n    while (true) {\n        var delegate = context.delegate;\n        if (delegate) {\n            var delegateResult =
maybeInvokeDelegate(delegate, context);\n            if (delegateResult) {\n                if (delegateResult ===
ContinueSentinel) continue;\n                return delegateResult;\n            }\n        }\n\n        if (context.method ===
\"next\") {\n            // Setting context._sent for legacy support of Babel's\n            // function.sent implementation.\n            context.sent = context._sent = context.arg;\n        } else if (context.method === \"throw\") {\n            if (state ===
GenStateSuspendedStart) {\n                state = GenStateCompleted;\n                throw context.arg;\n            }\n\n            context.dispatchException(context.arg);\n        } else if (context.method === \"return\") {\n            context.abrupt(\"return\", context.arg);\n        }\n\n        state = GenStateExecuting;\n\n        var record =
tryCatch(innerFn, self, context);\n        if (record.type === \"normal\") {\n            // If an exception is thrown from
innerFn, we leave state ===\n            // GenStateExecuting and loop back for another invocation.\n            state =
context.done\n            ? GenStateCompleted\n            : GenStateSuspendedYield;\n\n            if (record.arg ===
ContinueSentinel) {\n                continue;\n            }\n\n            return {\n                value: record.arg,\n                done:
context.done\n            };\n        } else if (record.type === \"throw\") {\n            state = GenStateCompleted;\n            //
Dispatch the exception by looping back around to the\n            // context.dispatchException(context.arg) call above.\n            context.method = \"throw\";\n            context.arg = record.arg;\n        }\n    }\n\n    // Call
delegate.iterator[context.method](context.arg) and handle the\n    // result, either by returning a { value, done } result
from the\n    // delegate iterator, or by modifying context.method and context.arg,\n    // setting context.delegate to null,
and returning the ContinueSentinel.\n    function maybeInvokeDelegate(delegate, context) {\n        var method =
delegate.iterator[context.method];\n        if (method === undefined) {\n            // A .throw or .return when the delegate
iterator has no .throw\n            // method always terminates the yield* loop.\n            context.delegate = null;\n\n            if
(context.method === \"throw\") {\n                // Note: [\"return\"] must be used for ES3 parsing compatibility.\n                if
(delegate.iterator[\"return\"]) {\n                    // If the delegate iterator has a return method, give it a\n                    // chance to
clean up.\n                    context.method = \"return\";\n                    context.arg = undefined;\n                }\n                maybeInvokeDelegate(delegate, context);\n            }\n\n            if (context.method === \"throw\") {\n                // If
maybeInvokeDelegate(context) changed context.method from\n                // \"return\" to \"throw\", let that override the
TypeError below.\n                return ContinueSentinel;\n            }\n\n            context.method = \"throw\";\n            context.arg = new TypeError(\n                \"The iterator does not provide a 'throw' method\");\n        }\n\n        return
ContinueSentinel;\n    }\n\n    var record = tryCatch(method, delegate.iterator, context.arg);\n    if (record.type ===
\"throw\") {\n        context.method = \"throw\";\n        context.arg = record.arg;\n        context.delegate = null;\n    }\n    return ContinueSentinel;\n    }\n\n    var info = record.arg;\n    if (! info) {\n        context.method = \"throw\";\n        context.arg = new TypeError(\"iterator result is not an object\");\n        context.delegate = null;\n        return
ContinueSentinel;\n    }\n\n    if (info.done) {\n        // Assign the result of the finished delegate to the temporary\n        // variable specified by delegate.resultName (see delegateYield).\n        context[delegate.resultName] =
info.value;\n\n        // Resume execution at the desired location (see delegateYield).\n        context.next =
delegate.nextLoc;\n\n        // If context.method was \"throw\" but the delegate handled the\n        // exception, let the
outer generator proceed normally. If\n        // context.method was \"next\", forget context.arg since it has been\n        //
\"consumed\" by the delegate iterator. If context.method was\n        // \"return\", allow the original .return call to
continue in the\n        // outer generator.\n        if (context.method !== \"return\") {\n            context.method = \"next\";\n            context.arg = undefined;\n        }\n    } else {\n        // Re-yield the result returned by the delegate method.\n        return info;\n    }\n\n    // The delegate iterator is finished, so forget it and continue with\n    // the outer generator.\n    context.delegate = null;\n    return ContinueSentinel;\n    }\n\n    // Define Generator.prototype.{next,throw,return} in
terms of the\n    // unified ._invoke helper method.\n    defineIteratorMethods(Gp);\n\n    define(Gp,
toStringTagSymbol, \"Generator\");\n\n    // A Generator should always return itself as the iterator object when the\n
// @@iterator function is called on it. Some browsers' implementations of the\n    // iterator prototype chain
incorrectly implement this, causing the Generator\n    // object to not be returned from this call. This ensures that
doesn't happen.\n    // See https://github.com/facebook/regenerator/issues/274 for more details.\n    Gp[iteratorSymbol]
= function() {\n        return this;\n    };\n\n    Gp.toString = function() {\n        return \"[object Generator]\";\n    };\n\n

```

```

function pushTryEntry(locs) {\n  var entry = { tryLoc: locs[0] };\n  if (1 in locs) {\n    entry.catchLoc = locs[1];\n  }\n  if (2 in locs) {\n    entry.finallyLoc = locs[2];\n    entry.afterLoc = locs[3];\n  }\n  this.tryEntries.push(entry);\n}\n\nfunction resetTryEntry(entry) {\n  var record = entry.completion || {};\n  record.type = \"normal\";\n  delete record.arg;\n  entry.completion = record;\n}\n\nfunction Context(tryLocsList) {\n  // The root entry object (effectively a try statement without a catch\n  // or a finally block) gives us a place to store values thrown from\n  // locations where there is no enclosing try statement.\n  this.tryEntries = [{ tryLoc: \"root\" }];\n  tryLocsList.forEach(pushTryEntry, this);\n  this.reset(true);\n}\n\nexports.keys = function(object) {\n  var keys = [];\n  for (var key in object) {\n    keys.push(key);\n  }\n  keys.reverse();\n\n  // Rather than returning an object with a next method, we keep\n  // things simple and return the next function itself.\n  return function next() {\n    while (keys.length) {\n      var key = keys.pop();\n      if (key in object) {\n        next.value = key;\n        next.done = false;\n        return next;\n      }\n    }\n\n    // To avoid creating an additional object, we just hang the .value\n    // and .done properties off the next function object itself. This\n    // also ensures that the minifier will not anonymize the function.\n    next.done = true;\n    return next;\n  };\n}\n\nfunction values(iterable) {\n  if (iterable) {\n    var iteratorMethod =\n      iterable[iteratorSymbol];\n    if (iteratorMethod) {\n      return iteratorMethod.call(iterable);\n    }\n    if\n      (typeof iterable.next === \"function\") {\n      return iterable;\n    }\n    if (!isNaN(iterable.length)) {\n      var i = -1, next = function next() {\n        while (++i < iterable.length) {\n          if (hasOwn.call(iterable, i)) {\n            next.value = iterable[i];\n            next.done = false;\n            return next;\n          }\n        }\n        next.value =\n          undefined;\n        next.done = true;\n        return next;\n      };\n      return next.next = next;\n    }\n  }\n\n  // Return an iterator with no values.\n  return { next: doneResult };\n}\n\nexports.values = values;\n\nfunction doneResult() {\n  return { value: undefined, done: true };\n}\n\nContext.prototype = {\n  constructor:\n    Context,\n  reset: function(skipTempReset) {\n    this.prev = 0;\n    this.next = 0;\n    // Resetting\n    context._sent for legacy support of Babel's\n    // function.sent implementation.\n    this.sent = this._sent =\n      undefined;\n    this.done = false;\n    this.delegate = null;\n\n    this.method = \"next\";\n    this.arg =\n      undefined;\n\n    this.tryEntries.forEach(resetTryEntry);\n    if (!skipTempReset) {\n      for (var name in this)\n        // Not sure about the optimal order of these conditions:\n        if (name.charAt(0) === \"t\" &&\n          hasOwn.call(this, name) &&\n            !isNaN(+name.slice(1))) {\n          this[name] = undefined;\n        }\n    }\n  },\n  stop: function() {\n    this.done = true;\n\n    var rootEntry = this.tryEntries[0];\n    var\n      rootRecord = rootEntry.completion;\n    if (rootRecord.type === \"throw\") {\n      throw rootRecord.arg;\n    }\n\n    return this.rval;\n  },\n  dispatchException: function(exception) {\n    if (this.done) {\n      throw\n        exception;\n    }\n\n    var context = this;\n    function handle(loc, caught) {\n      record.type = \"throw\";\n      record.arg =\n        exception;\n      context.next = loc;\n\n      if (caught) {\n        // If the dispatched exception was\n        // caught by a catch block,\n        // then let that catch block handle the exception normally.\n        context.method =\n          \"next\";\n        context.arg =\n          undefined;\n      }\n      return !! caught;\n    }\n\n    for (var i =\n      this.tryEntries.length - 1; i >= 0; --i) {\n      var entry = this.tryEntries[i];\n      var record = entry.completion;\n      if (entry.tryLoc === \"root\") {\n        // Exception thrown outside of any try block that could handle\n        // it,\n        // so set the completion value of the entire function to\n        // throw the exception.\n        return handle(\"end\");\n      }\n      if (entry.tryLoc <= this.prev) {\n        var hasCatch = hasOwn.call(entry, \"catchLoc\");\n        var\n          hasFinally = hasOwn.call(entry, \"finallyLoc\");\n        if (hasCatch && hasFinally) {\n          if (this.prev <\n            entry.catchLoc) {\n            return handle(entry.catchLoc, true);\n          } else if (this.prev < entry.finallyLoc) {\n            return\n              handle(entry.finallyLoc);\n          }\n        } else if (hasCatch) {\n          if (this.prev <\n            entry.catchLoc) {\n            return\n              handle(entry.catchLoc, true);\n          }\n        } else if (hasFinally) {\n          if (this.prev <\n            entry.finallyLoc) {\n            return\n              handle(entry.finallyLoc);\n          }\n        } else {\n          throw new Error(\"try statement without catch or finally\");\n        }\n      }\n    }\n\n    abrupt:\n      function(type, arg) {\n        for (var i = this.tryEntries.length - 1; i >= 0; --i) {\n          var entry = this.tryEntries[i];\n          if (entry.tryLoc <= this.prev &&\n            hasOwn.call(entry, \"finallyLoc\") &&\n              this.prev <\n                entry.finallyLoc) {\n            var finallyEntry = entry;\n            break;\n          }\n        }\n        if (finallyEntry &&\n          (type === \"break\" ||\n            type === \"continue\") &&\n            finallyEntry.tryLoc <= arg &&\n              arg <=

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finallyEntry.finallyLoc) {\n    // Ignore the finally entry if control is not jumping to a\n    // location outside the
try/catch block.\n    finallyEntry = null;\n    }\n\n    var record = finallyEntry ? finallyEntry.completion : { };\n    record.type = type;\n    record.arg = arg;\n    if (finallyEntry) {\n        this.method = "next";\n        this.next =
finallyEntry.finallyLoc;\n        return ContinueSentinel;\n    }\n\n    return this.complete(record);\n    },\n\n    complete: function(record, afterLoc) {\n        if (record.type === "throw") {\n            throw record.arg;\n        }\n\n        if
(record.type === "break" ||\n            record.type === "continue") {\n            this.next = record.arg;\n        } else if
(record.type === "return") {\n            this.rval = this.arg = record.arg;\n            this.method = "return";\n            this.next
= "end";\n        } else if (record.type === "normal" && afterLoc) {\n            this.next = afterLoc;\n        }\n\n        return
ContinueSentinel;\n    },\n\n    finish: function(finallyLoc) {\n        for (var i = this.tryEntries.length - 1; i >= 0; --i)
{\n            var entry = this.tryEntries[i];\n            if (entry.finallyLoc === finallyLoc) {\n
this.complete(entry.completion, entry.afterLoc);\n                resetTryEntry(entry);\n                return ContinueSentinel;\n
            }\n        }\n    },\n\n    "catch": function(tryLoc) {\n        for (var i = this.tryEntries.length - 1; i >= 0; --i) {\n            var
entry = this.tryEntries[i];\n            if (entry.tryLoc === tryLoc) {\n                var record = entry.completion;\n                if
(record.type === "throw") {\n                    var thrown = record.arg;\n                    resetTryEntry(entry);\n                }\n
return thrown;\n            }\n        }\n\n        // The context.catch method must only be called with a location\n        //
argument that corresponds to a known catch block.\n        throw new Error("illegal catch attempt");\n    },\n\n    delegateYield: function(iterable, resultName, nextLoc) {\n        this.delegate = {\n            iterator: values(iterable),\n            resultName: resultName,\n            nextLoc: nextLoc\n        };\n\n        if (this.method === "next") {\n            // Deliberately
forget the last sent value so that we don't\n            // accidentally pass it on to the delegate.\n            this.arg =
undefined;\n        }\n\n        return ContinueSentinel;\n    } }\n};\n\n// Regardless of whether this script is executing as
a CommonJS module\n// or not, return the runtime object so that we can declare the variable\n//
regeneratorRuntime in the outer scope, which allows this module to be\n// injected easily by `bin/regenerator --
include-runtime script.js`\nreturn exports;\n})(\n\n// If this script is executing as a CommonJS module, use
module.exports\n// as the regeneratorRuntime namespace. Otherwise create a new empty\n// object. Either way,
the resulting object will be used to initialize\n// the regeneratorRuntime variable at the top of this file.\ntypeof
module === "object" ? module.exports : {}));\n\ntry {\n    regeneratorRuntime = runtime;\n} catch
(accidentalStrictMode) {\n    // This module should not be running in strict mode, so the above\n    // assignment
should always work unless something is misconfigured. Just\n    // in case runtime.js accidentally runs in strict mode,
we can escape\n    // strict mode using a global Function call. This could conceivably fail\n    // if a Content Security
Policy forbids using Function, but in that case\n    // the proper solution is to fix the accidental strict mode problem.
If\n    // you've misconfigured your bundler to force strict mode and applied a\n    // CSP to forbid Function, and you're
not willing to fix either of those\n    // problems, please detail your unique predicament in a GitHub issue.\n    Function("r", "regeneratorRuntime = r")(runtime);\n}\n\n", "use strict";\n\nObject.defineProperty(exports,
"__esModule", { value: true });\n\nexports.importFromOldV8CpuProfile = exports.importFromChromeCpuProfile
= exports.importFromChromeTimeline = exports.isChromeTimeline = void 0;\n\nconst profile_1 =
require("../lib/profile");\n\nconst utils_1 = require("../lib/utils");\n\nconst value_formatters_1 = require("../lib/value-
formatters");\n\nconst v8cpuFormatter_1 = require("../v8cpuFormatter");\n\nfunction isChromeTimeline(rawProfile)
{\n    if (!Array.isArray(rawProfile))\n        return false;\n    if (rawProfile.length < 1)\n        return false;\n    const
first = rawProfile[0];\n    if (!('pid' in first && 'tid' in first && 'ph' in first && 'cat' in first))\n        return false;\n    if
(!rawProfile.find(e => e.name === 'CpuProfile' || e.name === 'Profile' || e.name === 'ProfileChunk'))\n        return
false;\n    return true;\n}\n\nexports.isChromeTimeline = isChromeTimeline;\n\nfunction
importFromChromeTimeline(events, fileName) {\n    // It seems like sometimes Chrome timeline files contain
multiple CpuProfiles?\n    // For now, choose the first one in the list.\n    const cpuProfileById = new Map();\n    //
Maps profile IDs (like "0x3") to pid/tid pairs formatted as `${pid}:${tid}`\n    const pidTidById = new Map();\n    // Maps pid/tid pairs to thread names\n    const threadNameByPidTid = new Map();\n    // The events aren't
necessarily recorded in chronological order. Sort them so\n    // that they are.\n    utils_1.sortBy(events, e => e.ts);\n    for (let event of events) {\n        if (event.name === 'CpuProfile') {\n            const pidTid =
`${event.pid}:${event.tid}`;\n            const id = event.id || pidTid;\n            cpuProfileById.set(id,

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event.args.data.cpuProfile);
    pidTidById.set(id, pidTid);
  }
  if (event.name === 'Profile') {
    const pidTid = `${event.pid}:${event.tid}`;
    cpuProfileById.set(event.id || pidTid, Object.assign({
      startTime: 0, endTime: 0, nodes: [], samples: [], timeDeltas: [] }, event.args.data));
    if (event.id) {
      pidTidById.set(event.id, `${event.pid}:${event.tid}`);
    }
    if (event.name === 'thread_name') {
      threadNameByPidTid.set(`${event.pid}:${event.tid}`, event.args.name);
    }
    if (event.name === 'ProfileChunk') {
      const pidTid = `${event.pid}:${event.tid}`;
      const cpuProfile = cpuProfileById.get(event.id || pidTid);
      if (cpuProfile) {
        const chunk = event.args.data;
        if (chunk.cpuProfile) {
          if (chunk.cpuProfile.nodes) {
            cpuProfile.nodes = cpuProfile.nodes.concat(chunk.cpuProfile.nodes);
          }
          if (chunk.cpuProfile.samples) {
            cpuProfile.samples = cpuProfile.samples.concat(chunk.cpuProfile.samples);
          }
          if (chunk.timeDeltas) {
            cpuProfile.timeDeltas = cpuProfile.timeDeltas.concat(chunk.timeDeltas);
          }
          if (chunk.startTime !== null) {
            cpuProfile.startTime = chunk.startTime;
          }
          if (chunk.endTime !== null) {
            cpuProfile.endTime = chunk.endTime;
          }
          else {
            console.warn(`Ignoring ProfileChunk for undeclared Profile with id ${event.id || pidTid}`);
          }
        }
        if (cpuProfileById.size > 0) {
          const profiles = [];
          let indexToView = 0;
          utils_1.forEach(cpuProfileById.keys(), profileId => {
            let threadName = null;
            let pidTid = pidTidById.get(profileId);
            if (pidTid) {
              threadName = threadNameByPidTid.get(pidTid) || null;
            }
            if (threadName) {
              const profile = importFromChromeCPUProfile(cpuProfileById.get(profileId));
              if (threadName && cpuProfileById.size > 1) {
                profile.setName(`${fileName} - ${threadName}`);
              }
              if (threadName === 'CrRendererMain') {
                indexToView = profiles.length;
              }
              else {
                profile.setName(`${fileName}`);
              }
              profiles.push(profile);
            }
          });
          return { name: fileName, indexToView, profiles };
        }
        else {
          throw new Error('Could not find CPU profile in Timeline');
        }
      }
    }
  }
}
exports.importFromChromeTimeline = importFromChromeTimeline;
const callFrameToFrameInfo = new Map();
function frameInfoForCallFrame(callFrame) {
  return utils_1.getOrCreate(callFrameToFrameInfo, callFrame, callFrame => {
    const name = callFrame.functionName || '(anonymous)';
    const file = callFrame.url;
    const line = callFrame.lineNumber;
    const col = callFrame.columnNumber;
    return {
      key: `${name}:${file}:${line}:${col}`,
      name,
      file,
      line,
      col,
    };
  });
}
function shouldIgnoreFunction(callFrame) {
  const { functionName, url } = callFrame;
  if (url === 'native dummy.js') {
    // I'm not really sure what this is about, but this seems to be used
    // as a way of avoiding edge cases in V8's implementation.
    // See:
    // https://github.com/v8/v8/blob/b8626ca4/tools/js2c.py#L419-L424
    return true;
  }
  return functionName === '(root)' || functionName === '(idle)';
}
function shouldPlaceOnTopOfPreviousStack(functionName) {
  return functionName === '(garbage collector)' || functionName === '(program)';
}
importFromChromeCPUProfile(chromeProfile) {
  const profile = new profile_1.CallTreeProfileBuilder(chromeProfile.endTime - chromeProfile.startTime);
  const nodeById = new Map();
  for (let node of chromeProfile.nodes) {
    nodeById.set(node.id, node);
  }
  for (let node of chromeProfile.nodes) {
    if (typeof node.parent === 'number') {
      node.parent = nodeById.get(node.parent);
    }
    if (!node.children) {
      continue;
    }
    for (let childId of node.children) {
      const child = nodeById.get(childId);
      if (!child) {
        continue;
      }
      child.parent = node;
    }
  }
  const samples = [];
  const sampleTimes = [];
  // The first delta is relative to the profile startTime.
  // Ref: https://github.com/v8/v8/blob/44bd8fd7/src/inspector/js_protocol.json#L1485
  let elapsed = chromeProfile.timeDeltas[0];
  // Prevents negative time deltas from causing bad data. See
  // https://github.com/jlfwong/speedscope/pull/305 for details.
  let lastValidElapsed = elapsed;
  let lastNodeId = NaN;
  // The chrome CPU profile format doesn't collapse identical samples. We'll do that
  // here to save a ton of work later doing mergers.
  for (let i = 0; i < chromeProfile.samples.length; i++) {
    const nodeId = chromeProfile.samples[i];
    if (nodeId !== lastNodeId) {
      samples.push(nodeId);
      if (elapsed <

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lastValidElapsed) {\n      sampleTimes.push(lastValidElapsed);\n    }\n    else {\n      sampleTimes.push(elapsed);\n      lastValidElapsed = elapsed;\n    }\n    if (i ===\n      chromeProfile.samples.length - 1) {\n      if (!isNaN(lastNodeId)) {\n        samples.push(lastNodeId);\n        if (elapsed < lastValidElapsed) {\n          sampleTimes.push(lastValidElapsed);\n        }\n      }\n    }\n    else {\n      sampleTimes.push(elapsed);\n      lastValidElapsed = elapsed;\n    }\n  }\n  }\n  else {\n    const timeDelta = chromeProfile.timeDeltas[i + 1];\n    elapsed += timeDelta;\n    lastNodeId = nodeId;\n  }\n  } let prevStack = [];\n  for (let i = 0; i < samples.length; i++) {\n    const\n    value = sampleTimes[i];\n    const nodeId = samples[i];\n    let stackTop = nodeId.get(nodeId);\n    if\n    (!stackTop)\n      continue;\n    // Find lowest common ancestor of the current stack and the previous one\n    let lca = null;\n    // This is O(n^2), but n should be relatively small here (stack height),\n    // so hopefully this\n    isn't much of a problem\n    for (lca = stackTop; lca && prevStack.indexOf(lca) === -1; lca =\n      shouldPlaceOnTopOfPreviousStack(lca.callFrame.functionName)\n        ? utils_1.lastOf(prevStack)\n          :\n        lca.parent || null) {\n      // Close frames that are no longer open\n      while (prevStack.length > 0 &&\n        utils_1.lastOf(prevStack) !== lca) {\n        const closingNode = prevStack.pop();\n        const frame =\n        frameInfoForCallFrame(closingNode.callFrame);\n        profile.leaveFrame(frame, value);\n      }\n      // Open\n      frames that are now becoming open\n      const toOpen = [];\n      for (let node = stackTop; node && node !== lca\n        && !shouldIgnoreFunction(node.callFrame);)\n        // Place Chrome internal functions on top of the previous call\n        stack\n        node = shouldPlaceOnTopOfPreviousStack(node.callFrame.functionName)\n          ?\n          utils_1.lastOf(prevStack)\n            : node.parent || null)\n        {\n          toOpen.push(node);\n        }\n      toOpen.reverse();\n      for (let node of toOpen) {\n        profile.enterFrame(frameInfoForCallFrame(node.callFrame), value);\n      }\n      prevStack =\n      prevStack.concat(toOpen);\n    }\n    // Close frames that are open at the end of the trace\n    for (let i =\n      prevStack.length - 1; i >= 0; i--) {\n      profile.leaveFrame(frameInfoForCallFrame(prevStack[i].callFrame),\n        utils_1.lastOf(sampleTimes));\n    }\n    profile.setValueFormatter(new\n      value_formatters_1.TimeFormatter('microseconds'));\n    return\n    profile.build();\n  }\n}\n\nexports.importFromChromeCPUProfile = importFromChromeCPUProfile;\nfunction\nimportFromOldV8CPUProfile(content) {\n  return\n  importFromChromeCPUProfile(v8cpuFormatter_1.chromeTreeToNodes(content));\n}\n\nexports.importFromOldV8\nCPUProfile = importFromOldV8CPUProfile;\n\n\"use strict\";\n\nvar __createBinding = (this &&\n  this.__createBinding) || (Object.create ? (function(o, m, k, k2) {\n    if (k2 === undefined) k2 = k;\n    Object.defineProperty(o, k2, { enumerable: true, get: function() { return m[k]; } });\n  }) : (function(o, m, k, k2) {\n    if (k2 === undefined) k2 = k;\n    o[k2] = m[k];\n  }));\n\nvar __setModuleDefault = (this &&\n  this.__setModuleDefault) || (Object.create ? (function(o, v) {\n    Object.defineProperty(o, \"default\", { enumerable:\n      true, value: v });\n  }) : (function(o, v) {\n    o[\"default\"] = v;\n  }));\n\nvar __importStar = (this && this.__importStar) ||\n  function (mod) {\n    if (mod && mod.__esModule) return mod;\n    var result = {};\n    if (mod !== null) for (var k in\n      mod) if (Object.hasOwnProperty.call(mod, k)) __createBinding(result, mod, k);\n    __setModuleDefault(result, mod);\n    return result;\n  };\n\nvar __awaiter = (this && this.__awaiter) || function (thisArg, _arguments, P, generator)\n  {\n    function adopt(value) { return value instanceof P ? value : new P(function (resolve) { resolve(value); }); }\n    return new (P || (P = Promise))(function (resolve, reject) {\n      function fulfilled(value) { try { step(generator.next(value)); } catch (e) { reject(e); } }\n      function rejected(value) { try { step(generator[\"throw\"](value)); } catch (e) { reject(e); } }\n      function step(result) { result.done ? resolve(result.value) : adopt(result.value).then(fulfilled, rejected); }\n      step((generator = generator.apply(thisArg, _arguments || [])).next());\n    });\n  };\n\nObject.defineProperty(exports, \"__esModule\", { value: true\n  });\n\nexports.CallTreeProfileBuilder = exports.StackListProfileBuilder = exports.Profile = exports.CallTreeNode =\n  exports.Frame = exports.HasWeights = void 0;\n\nconst utils_1 = require(\"./utils\");\nconst value_formatters_1 =\n  require(\"./value-formatters\");\nconst demangleCppType = Promise.resolve().then(() =>\n  __importStar(require(\"./demangle-cpp\")));\n\n// Force eager loading of the module\ndemangleCppType.then(() => {\n  });\n\nclass HasWeights {\n  constructor() {\n    this.selfWeight = 0;\n    this.totalWeight = 0;\n  }\n}

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getSelfWeight() {\n    return this.selfWeight;\n } \n getTotalWeight() {\n    return this.totalWeight;\n } \n
addToTotalWeight(delta) {\n    this.totalWeight += delta;\n } \n addToSelfWeight(delta) {\n
this.selfWeight += delta;\n } \n overwriteWeightWith(other) {\n    this.selfWeight = other.selfWeight;\n
this.totalWeight = other.totalWeight;\n } \n} \n exports.HasWeights = HasWeights;\n let Frame = /** @class */ (()
=> {\n    class Frame extends HasWeights {\n        constructor(info) {\n            super();\n            this.key =
info.key;\n            this.name = info.name;\n            this.file = info.file;\n            this.line = info.line;\n            this.col
= info.col;\n        } \n        static getOrInsert(set, info) {\n            return set.getOrInsert(new Frame(info));\n        } \n
} \n    Frame.root = new Frame({\n        key: '(speedscope root)',\n        name: '(speedscope root)',\n    }); \n    return
Frame;\n})(); \n exports.Frame = Frame;\n class CallTreeNode extends HasWeights {\n    constructor(frame, parent)
{\n        super();\n        this.frame = frame;\n        this.parent = parent;\n        this.children = [];\n        // If a node is
"frozen", it means it should no longer be mutated.\n        this.frozen = false;\n    } \n    isRoot() {\n        return
this.frame === Frame.root;\n    } \n    isFrozen() {\n        return this.frozen;\n    } \n    freeze() {\n        this.frozen =
true;\n    } \n} \n exports.CallTreeNode = CallTreeNode;\n class Profile {\n    constructor(totalWeight = 0) {\n
this.name = "";\n        this.frames = new utils_1.KeyedSet();\n        // Profiles store two call-trees.\n        // \n        //
The "append order" call tree is the one in which nodes are ordered in\n        // whatever order they were appended
to their parent.\n        // \n        // The "grouped" call tree is one in which each node has at most one child per\n
// frame. Nodes are ordered in decreasing order of weight\n        this.appendOrderCalltreeRoot = new
CallTreeNode(Frame.root, null);\n        this.groupedCalltreeRoot = new CallTreeNode(Frame.root, null);\n        //
List of references to CallTreeNodes at the top of the\n        // stack at the time of the sample.\n        this.samples =
[];\n        this.weights = [];\n        this.valueFormatter = new value_formatters_1.RawValueFormatter();\n
this.totalNonIdleWeight = null;\n        this.totalWeight = totalWeight;\n    } \n    getAppendOrderCalltreeRoot() {\n
return this.appendOrderCalltreeRoot;\n    } \n    getGroupedCalltreeRoot() {\n        return
this.groupedCalltreeRoot;\n    } \n    formatValue(v) {\n        return this.valueFormatter.format(v);\n    } \n
setValueFormatter(f) {\n        this.valueFormatter = f;\n    } \n    getWeightUnit() {\n        return
this.valueFormatter.unit;\n    } \n    getName() {\n        return this.name;\n    } \n    setName(name) {\n        this.name
= name;\n    } \n    getTotalWeight() {\n        return this.totalWeight;\n    } \n    getTotalNonIdleWeight() {\n        if
(this.totalNonIdleWeight === null) {\n            this.totalNonIdleWeight =
this.groupedCalltreeRoot.children.reduce((n, c) => n + c.getTotalWeight(), 0);\n        } \n        return
this.totalNonIdleWeight;\n    } \n    // This is private because it should only be called in the ProfileBuilder\n    //
classes. Once a Profile instance has been constructed, it should be treated\n    // as immutable.\n    sortGroupedCallTree() {\n        function visit(node) {\n            node.children.sort((a, b) => -(a.getTotalWeight() -
b.getTotalWeight()));\n            node.children.forEach(visit);\n        } \n        visit(this.groupedCalltreeRoot);\n    } \n
forEachCallGrouped(openFrame, closeFrame) {\n        function visit(node, start) {\n            if (node.frame !==
Frame.root) {\n                openFrame(node, start);\n            } \n            let childTime = 0;\n
node.children.forEach(function (child) {\n                visit(child, start + childTime);\n                childTime +=
child.getTotalWeight();\n            }); \n            if (node.frame !== Frame.root) {\n                closeFrame(node, start +
node.getTotalWeight());\n            } \n        } \n        visit(this.groupedCalltreeRoot, 0);\n    } \n
forEachCall(openFrame, closeFrame) {\n        let prevStack = [];\n        let value = 0;\n        let sampleIndex = 0;\n
for (let stackTop of this.samples) {\n            // Find lowest common ancestor of the current stack and the previous
one\n            let lca = null;\n            // This is O(n^2), but n should be relatively small here (stack height),\n            //
so hopefully this isn't much of a problem\n            for (lca = stackTop; lca && lca.frame !== Frame.root &&
prevStack.indexOf(lca) === -1; lca = lca.parent) {\n                // Close frames that are no longer open\n                while
(prevStack.length > 0 && utils_1.lastOf(prevStack) !== lca) {\n                    const node = prevStack.pop();\n
closeFrame(node, value);\n                } \n                // Open frames that are now becoming open\n                const toOpen =
[];\n                for (let node = stackTop; node && node.frame !== Frame.root && node !== lca; node = node.parent) {\n
                    toOpen.push(node);\n                } \n                toOpen.reverse();\n                for (let node of toOpen) {\n
                    openFrame(node, value);\n                } \n                prevStack = prevStack.concat(toOpen);\n                value +=
this.weights[sampleIndex++];\n            } \n            // Close frames that are open at the end of the trace\n            for (let i =

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prevStack.length - 1; i >= 0; i--) {\n      closeFrame(prevStack[i], value);\n    }\n  }\n  forEachFrame(fn) {\n    this.frames.forEach(fn);\n  }\n  getProfileWithRecursionFlattened() {\n    const builder = new\n    CallTreeProfileBuilder();\n    const stack = [];\n    const framesInStack = new Set();\n    function\n    openFrame(node, value) {\n      if (framesInStack.has(node.frame)) {\n        stack.push(null);\n      }\n      else {\n        framesInStack.add(node.frame);\n        stack.push(node);\n      }\n      builder.enterFrame(node.frame, value);\n    }\n    function closeFrame(node, value) {\n      const\n      stackTop = stack.pop();\n      if (stackTop) {\n        framesInStack.delete(stackTop.frame);\n      }\n      builder.leaveFrame(stackTop.frame, value);\n    }\n    this.forEachCall(openFrame, closeFrame);\n    const flattenedProfile = builder.build();\n    flattenedProfile.name = this.name;\n    flattenedProfile.valueFormatter = this.valueFormatter;\n    // When constructing a profile with recursion\n    flattened,\n    // counter-intuitive things can happen to \"self time\" measurements\n    // for functions.\n    // For example, given the following list of stacks w/ weights:\n    // a\n    // a;b;a 1\n    // a;b;a;b;a 1\n    // a;b;a 1\n    // The resulting profile with recursion flattened out will look like this:\n    // a\n    // a;b 3\n    // Which is useful to view, but it's counter-intuitive to move self-time\n    // for\n    frames around, since analyzing the self-time of functions is an important\n    // thing to be able to do accurately,\n    and we don't want this to change when recursion\n    // is flattened. To work around that, we'll just copy the\n    weights directly from the\n    // un-flattened profile.\n    this.forEachFrame(f => {\n      flattenedProfile.frames.getOrInsert(f).overwriteWeightWith(f);\n    });\n    return flattenedProfile;\n  }\n  getInvertedProfileForCallersOf(focalFrameInfo) {\n    const focalFrame = Frame.getOrInsert(this.frames,\n    focalFrameInfo);\n    const builder = new StackListProfileBuilder();\n    // TODO(jlfwong): Could construct\n    this at profile\n    // construction time rather than on demand.\n    const nodes = [];\n    function visit(node)\n    {\n      if (node.frame === focalFrame) {\n        nodes.push(node);\n      }\n      else {\n        for\n        (let child of node.children) {\n          visit(child);\n        }\n      }\n    }\n    visit(this.appendOrderCalltreeRoot);\n    for (let node of nodes) {\n      const stack = [];\n      for (let n =\n      node; n != null && n.frame !== Frame.root; n = n.parent) {\n        stack.push(n.frame);\n      }\n      builder.appendSampleWithWeight(stack, node.getTotalWeight());\n    }\n    const ret = builder.build();\n    ret.name = this.name;\n    ret.valueFormatter = this.valueFormatter;\n    return ret;\n  }\n  getProfileForCalleesOf(focalFrameInfo) {\n    const focalFrame = Frame.getOrInsert(this.frames,\n    focalFrameInfo);\n    const builder = new StackListProfileBuilder();\n    function\n    recordSubtree(focalFrameNode) {\n      const stack = [];\n      function visit(node) {\n        stack.push(node.frame);\n        builder.appendSampleWithWeight(stack, node.getSelfWeight());\n        for\n        (let child of node.children) {\n          visit(child);\n        }\n        stack.pop();\n      }\n      visit(focalFrameNode);\n    }\n    function findCalls(node) {\n      if (node.frame === focalFrame) {\n        recordSubtree(node);\n      }\n      else {\n        for (let child of node.children) {\n          findCalls(child);\n        }\n      }\n    }\n    findCalls(this.appendOrderCalltreeRoot);\n    const ret =\n    builder.build();\n    ret.name = this.name;\n    ret.valueFormatter = this.valueFormatter;\n    return ret;\n  }\n  // Demangle symbols for readability\n  demangle() {\n    return __awaiter(this, void 0, void 0, function* () {\n      let demangleCpp = null;\n      for (let frame of this.frames) {\n        // This function converts a mangled\n        C++ name such as \"__ZNK7Support6ColorFeqERKS0_\" \n        // into a human-readable symbol (in this case\n        \"Support::ColorF::==(Support::ColorF&)\")\n        if (frame.name.startsWith('__Z')) {\n          if\n          (!demangleCpp) {\n            demangleCpp = (yield demangleCppModule).demangleCpp;\n          }\n          frame.name = demangleCpp(frame.name);\n        }\n      }\n    });\n  }\n  remapNames(callback) {\n    for (let frame of this.frames) {\n      frame.name = callback(frame.name);\n    }\n  }\n}\n\nexports.Profile = Profile;\n\nclass StackListProfileBuilder extends Profile {\n  constructor() {\n    super(...arguments);\n    this.pendingSample = null;\n  }\n  _appendSample(stack, weight, useAppendOrder)\n  {\n    if (isNaN(weight))\n      throw new Error('invalid weight');\n    let node = useAppendOrder ?\n    this.appendOrderCalltreeRoot : this.groupedCalltreeRoot;\n    let framesInStack = new Set();\n    for (let\n    frameInfo of stack) {\n      const frame = Frame.getOrInsert(this.frames, frameInfo);\n      const last =

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useAppendOrder\n      ? utils_1.lastOf(node.children)\n      : node.children.find(c => c.frame ===
frame);\n      if (last && !last.isFrozen() && last.frame == frame) {\n          node = last;\n      }\n      else {\n          const parent = node;\n          node = new CallTreeNode(frame, node);\n          parent.children.push(node);\n          node.addToTotalWeight(weight);\n          // It's possible for the
same frame to occur multiple\n          // times in the same call stack due to either direct\n          // or indirect
recursion. We want to avoid counting that\n          // frame multiple times for a single sample, we so just\n          //
track all of the unique frames that participated in\n          // this call stack, then add to their weight at the end.\n          framesInStack.add(node.frame);\n          node.addToSelfWeight(weight);\n          if (useAppendOrder) {\n              for (let child of node.children) {\n                  child.freeze();\n              }\n              if (useAppendOrder) {\n                  node.frame.addToSelfWeight(weight);\n                  for (let frame of framesInStack) {\n                      frame.addToTotalWeight(weight);\n                  }\n                  if (node === utils_1.lastOf(this.samples)) {\n                      this.weights[this.weights.length - 1] += weight;\n                  }\n                  else {\n                      this.samples.push(node);\n                      this.weights.push(weight);\n                  }\n              }\n              appendSampleWithWeight(stack, weight) {\n                  if
(weight === 0) {\n                      // Samples with zero weight have no effect, so let's ignore them\n                      return;\n                  }\n                  if (weight < 0) {\n                      throw new Error('Samples must have positive weights');\n                  }\n                  this._appendSample(stack, weight, true);\n                  this._appendSample(stack, weight, false);\n              }\n              appendSampleWithTimestamp(stack, timestamp) {\n                  if (this.pendingSample) {\n                      if (timestamp <
this.pendingSample.centralTimestamp) {\n                          throw new Error('Timestamps received out of order');\n                      }\n                      const endTimestamp = (timestamp + this.pendingSample.centralTimestamp) / 2;\n                      this.appendSampleWithWeight(this.pendingSample.stack, endTimestamp - this.pendingSample.startTimestamp);\n                      this.pendingSample = { stack, startTimestamp: endTimestamp, centralTimestamp: timestamp };\n                  }\n                  else {\n                      this.pendingSample = { stack, startTimestamp: timestamp, centralTimestamp: timestamp };\n                  }\n              }\n              build() {\n                  if (this.pendingSample) {\n                      if (this.samples.length > 0) {\n                          this.appendSampleWithWeight(this.pendingSample.stack, this.pendingSample.centralTimestamp -
this.pendingSample.startTimestamp);\n                      }\n                      else {\n                          // There is only a single sample. In this
case, units will be meaningless,\n                          // so we'll append with a weight of 1 and also clear any value formatter\n                          this.appendSampleWithWeight(this.pendingSample.stack, 1);\n                          this.setValueFormatter(new
value_formatters_1.RawValueFormatter());\n                      }\n                  }\n                  this.totalWeight = Math.max(this.totalWeight,
this.weights.reduce((a, b) => a + b, 0));\n                  this.sortGroupedCallTree();\n                  return this;\n              }\n          }\n      }\n      StackListProfileBuilder = StackListProfileBuilder;\n      // As an alternative API for importing profiles
more efficiently, provide a\n      // way to open & close frames directly without needing to construct tons of\n      // arrays as
intermediaries.\n      class CallTreeProfileBuilder extends Profile {\n          constructor() {\n              super(...arguments);\n          }\n          this.appendOrderStack = [this.appendOrderCalltreeRoot];\n          this.groupedOrderStack =
[this.groupedCalltreeRoot];\n          this.framesInStack = new Map();\n          this.stack = [];\n          this.lastValue = 0;\n          }\n          addWeightsToFrames(value) {\n              const delta = value - this.lastValue;\n              for (let frame of
this.framesInStack.keys()) {\n                  frame.addToTotalWeight(delta);\n              }\n              const stackTop =
utils_1.lastOf(this.stack);\n              if (stackTop) {\n                  stackTop.addToSelfWeight(delta);\n              }\n          }\n          addWeightsToNodes(value, stack) {\n              const delta = value - this.lastValue;\n              for (let node of stack) {\n                  node.addToTotalWeight(delta);\n              }\n              const stackTop = utils_1.lastOf(stack);\n              if (stackTop) {\n                  stackTop.addToSelfWeight(delta);\n              }\n          }\n          _enterFrame(frame, value, useAppendOrder) {\n              let stack
= useAppendOrder ? this.appendOrderStack : this.groupedOrderStack;\n              this.addWeightsToNodes(value,
stack);\n              let prevTop = utils_1.lastOf(stack);\n              if (prevTop) {\n                  if (useAppendOrder) {\n                      const delta = value - this.lastValue;\n                      if (delta > 0) {\n                          this.samples.push(prevTop);\n                          this.weights.push(value - this.lastValue);\n                      }\n                      else if (delta < 0) {\n                          throw new
Error(`Samples must be provided in increasing order of cumulative value. Last sample was ${this.lastValue}, this
sample was ${value}`);\n                      }\n                  }\n                  else {\n                      const last = useAppendOrder\n                      ?\n                      utils_1.lastOf(prevTop.children)\n                      : prevTop.children.find(c => c.frame === frame);\n                      let node;\n                      if (last && !last.isFrozen() && last.frame == frame) {\n                          node = last;\n                      }\n                      else {\n

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node = new CallTreeNode(frame, prevTop);\n      prevTop.children.push(node);\n      }\nstack.push(node);\n  }\n  }\n  enterFrame(frameInfo, value) {\n    const frame =\n    Frame.getOrInsert(this.frames, frameInfo);\n    this.addWeightsToFrames(value);\n    this._enterFrame(frame,\n    value, true);\n    this._enterFrame(frame, value, false);\n    this.stack.push(frame);\n    const frameCount =\n    this.framesInStack.get(frame) || 0;\n    this.framesInStack.set(frame, frameCount + 1);\n    this.lastValue =\n    value;\n  }\n  _leaveFrame(frame, value, useAppendOrder) {\n    let stack = useAppendOrder ?\n    this.appendOrderStack : this.groupedOrderStack;\n    this.addWeightsToNodes(value, stack);\n    if\n    (useAppendOrder) {\n      const leavingStackTop = this.appendOrderStack.pop();\n      if (leavingStackTop\n      == null) {\n        throw new Error(`Trying to leave ${frame.key} when stack is empty`);\n      }\n      if\n      (this.lastValue == null) {\n        throw new Error(`Trying to leave a ${frame.key} before any have been\n        entered`);\n      }\n      leavingStackTop.freeze();\n      if (leavingStackTop.frame.key !== frame.key) {\n        throw new Error(`Tried to leave frame \"${frame.name}\" while frame\n        \"${leavingStackTop.frame.name}\" was at the top at ${value}`);\n      }\n      const delta = value - this.lastValue;\n      if (delta > 0) {\n        this.samples.push(leavingStackTop);\n        this.weights.push(value - this.lastValue);\n      }\n      else\n      if (delta < 0) {\n        throw new Error(`Samples must be provided in increasing order of cumulative value. Last\n        sample was ${this\n        .lastValue}, this sample was ${value}`);\n      }\n      }\n      else {\n        this.groupedOrderStack.pop();\n      }\n      }\n      leaveFrame(frameInfo, value) {\n        const frame =\n        Frame.getOrInsert(this.frames, frameInfo);\n        this.addWeightsToFrames(value);\n        this._leaveFrame(frame,\n        value, true);\n        this._leaveFrame(frame, value, false);\n        this.stack.pop();\n        const frameCount =\n        this.framesInStack.get(frame);\n        if (frameCount == null)\n          return;\n        if (frameCount === 1) {\n          this.framesInStack.delete(frame);\n        }\n        else {\n          this.framesInStack.set(frame, frameCount - 1);\n        }\n        this.lastValue = value;\n        this.totalWeight = Math.max(this.totalWeight, this.lastValue);\n      }\n      build()\n      {\n        // Each stack is expected to contain a single node which we initialize to be\n        // the root node.\n        if\n        (this.appendOrderStack.length > 1 || this.groupedOrderStack.length > 1) {\n          throw new Error(`Tried to\n          complete profile construction with a non-empty stack`);\n        }\n        this.sortGroupedCallTree();\n        return\n        this;\n      }\n    }\n  }\n  exports.CallTreeProfileBuilder = CallTreeProfileBuilder;\n  \"use\n  strict\";\n  Object.defineProperty(exports, \"__esModule\", { value: true });\n  exports.demangleCpp = void 0;\n  let\n  cppfilt;\n  const cache = new Map();\n  // This function converts a mangled C++ name such as\n  \"__ZNK7Support6ColorFeqERKS0_\"\n  // into a human-readable symbol (in this case\n  \"Support::ColorF::==(Support::ColorF&)\")\n  function demangleCpp(name) {\n    if (name.startsWith('__Z')) {\n      let result = cache.get(name);\n      if (result !== undefined) {\n        name = result;\n      }\n      else {\n        if (!cppfilt) {\n          cppfilt = new Function('exports', code)();\n        }\n        result =\n        cppfilt(name.slice(1));\n        result = result === '(null)' ? name : result;\n        cache.set(name, result);\n        name = result;\n      }\n      }\n      return name;\n    }\n    exports.demangleCpp = demangleCpp;\n    // This was taken from\n    https://d.fuqu.jp/c++filt.js\n    const code = `\n    return function() {\n      function r(r) {\n        eval.call(null, r)\n      }\n      function a(r) {\n        throw\n        print(r + \"\\n\\n\" + (new Error).stack), ke = !0, \"Assertion: \" + r\n      }\n      function e(r, e) {\n        r[a(\"Assertion failed: \" + e)]\n      }\n      function\n      i(r, a, i, v) {\n        function t(r, a) {\n          if (\"string\" === a) {\n            var e = Oe;\n            return le.stackAlloc(r.length + 1), A(r, e), e\n          }\n          return r\n        }\n        function\n        f(r, a) {\n          return \"string\" === a ? s(r): r\n        }\n        try {\n          func = ce.Module[\"_\" + r]\n        }\n        catch (r) {\n          e(func, \"Cannot call unknown function\n          \" + r + \" (perhaps LLVM optimizations or closure removed it?)\")\n        }\n        var _ = 0, n = v ? v.map(function(r) {\n          return\n          t(r, i[+_])\n        }): [];\n        return f(func.apply(null, n), a)\n      }\n      function\n      v(r, a, e) {\n        return function() {\n          return\n          i(r, a, e, Array.prototype.slice.call(arguments))\n        }\n      }\n      function\n      t(r, e, i, v) {\n        switch (i = i || \"i8\", \"*\" === i[i.length -\n        1] && (i = \"i32\"), i) {\n          case \"i1\":\n            Ae[r] = e;\n            break;\n          case \"i8\":\n            Ae[r] = e;\n            break;\n          case \"i16\":\n            ye[r >> 1] = e;\n            break;\n          case \"i32\":\n            Se[r >> 2] = e;\n            break;\n          case \"i64\":\n            Se[r >> 2] = e;\n            break;\n          case \"float\":\n            Ce[r >> 2] = e;\n            break;\n          case \"double\":\n            ze[0] = e, Se[r >> 2] = xe[0],\n            Se[r + 4 >> 2] = xe[1];\n            break;\n          default:\n            a(\"invalid type for setValue: \" + i)\n        }\n      }\n      function\n      f(r, e, i) {\n        switch (e = e || \"i8\", \"*\" === e[e.length - 1] && (e = \"i32\"), e) {\n          case \"i1\":\n            return Ae[r];\n          case \"i8\":\n            return\n            Ae[r];\n          case \"i16\":\n            return ye[r >> 1];\n          case \"i32\":\n            return Se[r >> 2];\n          case \"i64\":\n            return Se[r >> 2];\n          case \"float\":\n            return\n            Ce[r >> 2];\n          case \"double\":\n            return xe[0] = Se[r >> 2], xe[1] = Se[r + 4 >> 2], ze[0];\n          default:\n            a(\"invalid type for setValue:\n            \" + e)\n        }\n        return null\n      }\n      function\n      _(r, a, e) {\n        var i, v;\n        \"number\" === typeof r ? (i = !0, v = r): (i = !1, v = r.length);\n        var

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f="string"==typeof a?a:null,_=[Jr,le.stackAlloc,le.staticAlloc][void
0===e?we:e](Math.max(v,f?1:a.length));if(i)return Fa(_ ,0,v);for(var s,n=0;n<v;){var o=r[n];"function"==typeof
o&&(o=le.getFunctionIndex(o),s=f|a[n],0!==(s?("i64"==s&&(s=="i32"),t(_+n,o,s),n+=le.getNativeTypeSize(s)):n
++)return _}function s(r,a){for(var e,i="undefined"==typeof
a,v="\\",t=0,f=String.fromCharCode(0);){if(e=String.fromCharCode(ge[r+t]),i&&e==f)break;if(v+=e,t+=1,!i&&t=
=a)break}return v}function n(r){for(var a="\\",e=0;e<r.length;e++)a+=String.fromCharCode(r[e]);return a}function
o(r){return r+4095>>12<<12}function l(){for(;Le<=Ie;Le=2*Le);var r=Ae,a=new ArrayBuffer(Le);Ae=new
Int8Array(a),ye=new Int16Array(a),Se=new Int32Array(a),ge=new Uint8Array(a),me=new
Uint16Array(a),Me=new Uint32Array(a),Ce=new Float32Array(a),Re=new Float64Array(a),Ae.set(r)}function
b(r){for(;r.length>0;){var a=r.shift(),e=a.func;"number"==typeof e&&(e=pe[e]),e(void
0===a.arg?null:a.arg)}}function k(){b(Ve)}function u(){b(Be),be.print()}function c(r,a){return
Array.prototype.slice.call(Ae.subarray(r,r+a))}function h(r,a){for(var e=new
Uint8Array(a),i=0;i<a;++i)e[i]=Ae[r+i];return e.buffer}function d(r){for(var a=0;Ae[r+a];)a++;return a}function
w(r,a){var e=d(r);a&&e++;var i=c(r,e);return a&&(i[e-1]=0),i}function p(r,a){for(var e=[],i=0;i<r.length;){var
v=r.charCodeAtAt(i);v>255&&(v&=255),e.push(v),i+=1}return a||e.push(0),e}function E(r){for(var
a=[],e=0;e<r.length;e++){var i=r[e];i>255&&(i&=255),a.push(String.fromCharCode(i))}return a.join("\")}function
A(r,a,e){for(var i=0;i<r.length;){var
v=r.charCodeAtAt(i);v>255&&(v&=255),Ae[a+i]=v,i+=1}e||(Ae[a+i]=0)}function g(r,a,e,i){return
r>=0?r:a<=32?2*Math.abs(1<<a-1)+r*Math.pow(2,a)+r}function y(r,a,e,i){if(r<=0)return r;var
v=a<=32*Math.abs(1<<a-1):Math.pow(2,a-1);return r>=v&&(a<=32||r>v)&&(r=-2*v+r),r}function
m(r,a,e){if(0==(0|r)|0==(0|a)|0==(0|e))var i=0;else{Se[r>>2]=0,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var i;return
i}function S(r,a,e){if(0==(0|r)|(0|a)<0|0==(0|e))var i=0;else{Se[r>>2]=41,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var
i;return i}function M(r,a,e){if(0==(0|r)|0==(0|e))var i=0;else{Se[r>>2]=6,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var
i;return i}function C(r,a,e){if(0==(0|r)|0==(0|e))var i=0;else{Se[r>>2]=7,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var
i;return i}function R(r,a){var e,i=0==(0|a);do if(i)var v=0;else{var
e=(r+32|0)>>2,t=Se[e];if((0|t)>=(0|Se[r+36>>2])){var v=0;break}var f=(t<<2)+Se[r+28>>2]|0;Se[f>>2]=a;var
_=Se[e]+1|0;Se[e]=_;var v=1}while(0);var v;return v}function T(r,a){var
e,e=(r+12|0)>>2,i=Se[e],v=i+1|0;Se[e]=v;var t=Ae[i]<<24>>24==95;do if(t){var
f=i+2|0;if(Se[e]=f,Ae[v]<<24>>24!=90){var _=0;break}var s=O(r,a),_s} else var _=0;while(0);var _;return
_}function O(r,a){var e=r+12|0,i=Ae[Se[e>>2]];r:do if(i<<24>>24==71||i<<24>>24==84)var v=Tr(r),t=v;else{var
f=Ar(r),_=0==(0|f)|0==(0|a);do if(!_){if(0!=(1&Se[r+8>>2]|0))break;var s=Me[f>>2],n=(s-25|0)>>>0<3;a:do
if(n)for(var o=f;){var o,l=Me[o+4>>2],b=Me[l>>2];if((b-25|0)>>>0>=3){var k=l,u=b;break a}var o=l} else var
k=f,u=s;while(0);var u,k;if(2!=(0|u)){var t=k;break r}var c=k+8|0,h=Me[c>>2],d=(Se[h>>2]-25|0)>>>0<3;a:do
if(d)for(var w=h;){var w,p=Me[w+4>>2];if((Se[p>>2]-25|0)>>>0>=3){var E=p;break a}var w=p} else var
E=h;while(0);var E;Se[c>>2]=E;var t=k;break r} while(0);var
A=Ae[Se[e>>2]];if(A<<24>>24==0||A<<24>>24==69){var t=f;break}var
g=Or(f),y=Sr(r,g),m=D(r,3,f,y),t=m} while(0);var t;return t}function N(r){var a,e,i=Oe;Oe+=4;var
v=i,e=v>>2,a=(r+12|0)>>2,t=Me[a],f=Ae[t],_=f<<24>>24;r:do
if(f<<24>>24==114||f<<24>>24==86||f<<24>>24==75){var s=I(r,v,0);if(0==(0|s)){var n=0;break}var
o=N(r);Se[s>>2]=o;var l=Se[e],b=R(r,l);if(0==(0|b)){var n=0;break}var
n=Se[e]} else do {if(97==(0|_)||98==(0|_)||99==(0|_)||100==(0|_)||101==(0|_)||102==(0|_)||103==(0|_)||104==(0|_)||10
5==(0|_)||106==(0|_)||108==(0|_)||109==(0|_)||110==(0|_)||111==(0|_)||115==(0|_)||116==(0|_)||118==(0|_)||119==(0|
_)||120==(0|_)||121==(0|_)||122==(0|_){var k=ai+20*(_-97)|0,u=P(r,k);Se[e]=u;var
c=r+48|0,h=Se[c>>2]+Se[Se[u+4>>2]+4>>2]|0;Se[c>>2]=h;var d=Se[a]+1|0;Se[a]=d;var n=u;break
r}if(117==(0|_){Se[a]=t+1|0;var w=L(r),p=D(r,34,w,0);Se[e]=p;var E=p} else if(70==(0|_){var
A=F(r);Se[e]=A;var E=A} else
if(48==(0|_)||49==(0|_)||50==(0|_)||51==(0|_)||52==(0|_)||53==(0|_)||54==(0|_)||55==(0|_)||56==(0|_)||57==(0|_)||78=
=(0|_)||90==(0|_){var g=X(r);Se[e]=g;var E=g} else if(65==(0|_){var y=j(r);Se[e]=y;var E=y} else

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if(77==(0|_)){var m=U(r);Se[e]=m;var E=m}else if(84==(0|_)){var
S=x(r);if(Se[e]=S,Ae[Se[a]]<<24>>24!=73){var E=S;break}var M=R(r,S);if(0==(0|M)){var n=0;break r}var
C=Se[e],T=z(r),O=D(r,4,C,T);Se[e]=O;var E=O}else if(83==(0|_)){var B=ge[t+1|0];if((B-
48&255&255)<10|B<<24>>24==95|(B-65&255&255)<26){var
H=V(r,0);if(Se[e]=H,Ae[Se[a]]<<24>>24!=73){var n=H;break r}var K=z(r),Y=D(r,4,H,K);Se[e]=Y;var
E=Y}else{var G=X(r);if(Se[e]=G,0==(0|G)){var E=0;break}if(21==(0|Se[G>>2])){var n=G;break r}var E=G}else
if(80==(0|_)){Se[a]=t+1|0;var W=N(r),Z=D(r,29,W,0);Se[e]=Z;var E=Z}else if(82==(0|_)){Se[a]=t+1|0;var
Q=N(r),q=D(r,30,Q,0);Se[e]=q;var E=q}else if(67==(0|_)){Se[a]=t+1|0;var $=N(r),J=D(r,31,$,0);Se[e]=J;var
E=J}else if(71==(0|_)){Se[a]=t+1|0;var rr=N(r),ar=D(r,32,rr,0);Se[e]=ar;var E=ar}else{if(85!=(0|_)){var n=0;break
r}Se[a]=t+1|0;var er=L(r);Se[e]=er;var ir=N(r),vr=Se[e],tr=D(r,28,ir,vr);Se[e]=tr;var E=tr}}while(0);var
E,fr=R(r,E);if(0==(0|fr)){var n=0;break}var n=Se[e]}while(0);var n;return Oe=i,n}function I(r,a,e){for(var
i,v=r+12|0,t=0!=(0|e),f=t?25:22,i=(r+48|0)>>2,=_t?26:23,s=t?27:24,n=a;){var
n,o=Se[v>>2],l=Ae[o];if(l<<24>>24!=114&&l<<24>>24!=86&&l<<24>>24!=75){var b=n;break}var
k=o+1|0;if(Se[v>>2]=k,l<<24>>24==114){var u=Se[i]+9|0;Se[i]=u;var c=f}else if(l<<24>>24==86){var
h=Se[i]+9|0;Se[i]=h;var c=_}else{var d=Se[i]+6|0;Se[i]=d;var c=s}var
c,w=D(r,c,0,0);if(Se[n>>2]=w,0==(0|w)){var b=0;break}var n=w+4|0}var b;return b}function P(r,a){var
e=0==(0|a);do if(e)var i=0;else{var v=J(r);if(0==(0|v)){var i=0;break}Se[v>>2]=33,Se[v+4>>2]=a;var
i=v}while(0);var i;return i}function D(r,a,e,i){var
v,t;do{if(1==(0|a)||2==(0|a)||3==(0|a)||4==(0|a)||10==(0|a)||28==(0|a)||37==(0|a)||43==(0|a)||44==(0|a)||45==(0|a)||46=
=(0|a)||47==(0|a)||48==(0|a)||49==(0|a)||50==(0|a)){if(0==(0|e)||0==(0|i)){var
f=0;t=7;break}t=5;break}if(8==(0|a)||9==(0|a)||11==(0|a)||12==(0|a)||13==(0|a)||14==(0|a)||15==(0|a)||16==(0|a)||17=
=(0|a)||18==(0|a)||19==(0|a)||20==(0|a)||29==(0|a)||30==(0|a)||31==(0|a)||32==(0|a)||34==(0|a)||38==(0|a)||39==(0|a)||4
2==(0|a){if(0==(0|e)){var f=0;t=7;break}t=5;break}if(36==(0|a)){if(0==(0|i)){var
f=0;t=7;break}t=5;break}if(35==(0|a)||22==(0|a)||23==(0|a)||24==(0|a)||25==(0|a)||26==(0|a)||27==(0|a))t=5;else{var
f=0;t=7}}while(0);do if(5==t){var _=J(r),v=_>>2;if(0==(0|_)){var f=0;break}Se[v]=a,Se[v+1]=e,Se[v+2]=i;var
f=_}while(0);var f;return f}function L(r){var a=sr(r);if((0|a)<1)var e=0;else{var i=Rr(r,a);Se[r+44>>2]=i;var
e=i}var e;return e}function F(r){var
a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;if(Se[a]=i,Ae[e]<<24>>24==70){if(Ae[i]<<24>>24==89){var
v=e+2|0;Se[a]=v}var t=Sr(r,1),f=Se[a],_=f+1|0;Se[a]=_;var s=Ae[f]<<24>>24==69?t:0,n=s}else var n=0;var
n;return n}function X(r){var a=Ar(r);return a}function j(r){var a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var
v=Ae[e]<<24>>24==65;do if(v){var t=Ae[i];if(t<<24>>24==95)var f=0;else if((t-48&255&255)<10){for(var
_=:;){var _,s=_+1|0;if(Se[a]=s,(Ae[s]-48&255&255)>=10)break;var _=s}var n=s-i|0,o=lr(r,i,n);if(0==(0|o)){var
l=0;break}var f=o}else{var b=nr(r);if(0==(0|b)){var l=0;break}var f=b}var
f,k=Se[a],u=k+1|0;if(Se[a]=u,Ae[k]<<24>>24!=95){var l=0;break}var c=N(r),h=D(r,36,f,c),l=h}else var
l=0;while(0);var l;return l}function U(r){var a=Oe;Oe+=4;var e=a,i=r+12|0,v=Se[i>>2],t=v+1|0;Se[i>>2]=t;var
f=Ae[v]<<24>>24==77;r:do if(f){var _=N(r),s=I(r,e,1);if(0==(0|s)){var n=0;break}var o=N(r);Se[s>>2]=o;var
l=(0|s)==(0|e);do if(!l){if(35==(0|Se[o>>2]))break;var b=Se[e>>2],k=R(r,b);if(0==(0|k)){var n=0;break
r}}while(0);var u=Se[e>>2],c=D(r,37,_,u),n=c}else var n=0;while(0);var n;return Oe=a,n}function x(r){var
a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var v=Ae[e]<<24>>24==84;do if(v){if(Ae[i]<<24>>24==95)var
t=0,f=i;else{var _=sr(r);if((0|_)<0){var s=0;break}var t=_+1|0,f=Se[a]}var
f,t;if(Se[a]=f+1|0,Ae[f]<<24>>24!=95){var s=0;break}var n=r+40|0,o=Se[n>>2]+1|0;Se[n>>2]=o;var
l=Er(r,t),s=l}else var s=0;while(0);var s;return s}function z(r){var a,e=Oe;Oe+=4;var
i=e,v=r+44|0,t=Se[v>>2],a=(r+12|0)>>2,f=Se[a],_=f+1|0;Se[a]=_;var s=Ae[f]<<24>>24==73;r:do
if(s){Se[i>>2]=0;for(var n=:;){var n,o=_r(r);if(0==(0|o)){var l=0;break r}var
b=D(r,39,o,0);if(Se[n>>2]=b,0==(0|b)){var l=0;break r}var k=Se[a];if(Ae[k]<<24>>24==69)break;var n=b+8|0}var
u=k+1|0;Se[a]=u,Se[v>>2]=t;var l=Se[i>>2]}else var l=0;while(0);var l;return Oe=e,l}function V(r,a){var
e,e=(r+12|0)>>2,i=Se[e],v=i+1|0;Se[e]=v;var t=Ae[i]<<24>>24==83;r:do if(t){var f=i+2|0;Se[e]=f;var
_=ge[v];if(_<<24>>24==95)var s=0;else{if(!((_ -48&255&255)<10|(_ -65&255&255)<26)){var

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n=8&Se[r+8>>2],o=n>>>3,l=0!=(0|n)|0==(0|a);do if(1)var b=o;else{ if((Ae[f]-67&255&255)>=2){ var
b=o;break }var b=1 }while(0);for(var b,k=0|ei;){ var k;if(k>>>0>=(ei+196|0)>>>0){ var u=0;break
r}if(_<<24>>24==Ae[0|k]<<24>>24)break;var k=k+28|0}var c=Se[k+20>>2];if(0!=(0|c)){ var
h=Se[k+24>>2],d=fr(r,c,h);Se[r+44>>2]=d}if(0==(0|b))var w=k+8|0,p=k+4|0;else var w=k+16|0,p=k+12|0;var
p,w,E=Se[w>>2],A=Se[p>>2],g=r+48|0,y=Se[g>>2]+E|0;Se[g>>2]=y;var m=fr(r,A,E),u=m;break }for(var
S=_,M=0,C=f;){ var C,M,S;if((S-48&255&255)<10)var R=36*M-48|0;else{ if((S-65&255&255)>=26){ var
u=0;break r}var R=36*M-55|0}var R,T=(S<<24>>24)+R|0;if((0|T)<0){ var u=0;break r}var O=C+1|0;Se[e]=O;var
N=ge[C];if(N<<24>>24==95)break;var S=N,M=T,C=O}var s=T+1|0}var s;if((0|s)>=(0|Se[r+32>>2])){ var
u=0;break }var I=r+40|0,P=Se[I>>2]+1|0;Se[I>>2]=P;var u=Se[Se[r+28>>2]+(s<<2)>>2]}else var u=0;while(0);var
u;return u}function B(r,a,e,i){ var v,t,f,_,s=Oe;Oe+=28;var n,o=s,=_o>>2;Se[_]=r;var
l=e+1|0,f=(o+12|0)>>2;Se[f]=1;var b=Jr(1),t=(o+4|0)>>2;if(Se[t]=b,0==(0|b))var k=0,u=1;else{ var
v=(o+8|0)>>2;Se[v]=0,Se[_+4]=0,Se[_+5]=0;var c=o+24|0;Se[c>>2]=0,H(o,a);var
h=Me[t],d=0==(0|h);do{ if(!d){ var
w=Me[v];if(w>>>0>=Me[f]>>>0){ n=5;break }Se[v]=w+1|0,Ae[h+w|0]=0,n=6;break }n=5 }while(0);5==n&&Y(o,0)
;var p=Se[t],E=0==(0|p)?Se[c>>2]:Se[f],k=p,u=E}var u,k;return Se[i>>2]=u,Oe=s,k}function H(r,a){ var
e,i,v,t,f,_,s,n,o,l,b,k,u,c,h,d,w,p,E,A,g,y,m,S,M,C,R,T,O,N,I,P,D,L,F,X,j,U,x,z,V,B,K,G,W,J,vr,tr,fr,_r,sr,nr,or,lr,br,k
r,ur,cr,hr,dr,wr,pr=a>>2,Er=r>>2,Ar=Oe;Oe+=184;var
gr,yr=Ar,wr=yr>>2,mr=Ar+64,dr=mr>>2,Sr=Ar+72,Mr=Ar+88,Cr=Ar+104,hr=Cr>>2,Rr=Ar+168,Tr=0==(0|a);r:d
o if(Tr)Z(r);else{ var cr=(r+4|0)>>2,Or=Me[cr];if(0==(0|Or))break;var
Nr=0|a,Ir=Me[Nr>>2];a:do{ if(0==(0|Ir)){ if(0!=(4&Se[Er|0])}{ var Pr=Se[pr+1],Dr=Se[pr+2];q(r,Pr,Dr);break r}var
ur=(r+8|0)>>2,Lr=Me[ur],Fr=a+8|0,Xr=Me[Fr>>2];if((Xr+Lr|0)>>>0>Me[Er+3]>>>0){ var
jr=Se[pr+1];Q(r,jr,Xr);break r}var Ur=Or+Lr|0,xr=Se[pr+1];Pa(Ur,xr,Xr,1);var
zr=Se[ur]+Se[Fr>>2]|0;Se[ur]=zr;break r}if(1==(0|Ir)||2==(0|Ir)){ var Vr=Se[pr+1];H(r,Vr);var
Br=0==(4&Se[Er|0]),Hr=Me[cr],Kr=0!=(0|Hr);e:do if(Br){ do if(Kr){ var
kr=(r+8|0)>>2,Yr=Me[kr];if((Yr+2|0)>>>0>Me[Er+3]>>>0)break;var
Gr=Hr+Yr|0;oe=14906,Ae[Gr]=255&oe,oe>>=8,Ae[Gr+1]=255&oe;var Wr=Se[kr]+2|0;Se[kr]=Wr;break
e }while(0);Q(r,0|He.__str120,2)}else{ do if(Kr){ var
Zr=r+8|0,Qr=Me[Zr>>2];if(Qr>>>0>=Me[Er+3]>>>0)break;Se[Zr>>2]=Qr+1|0,Ae[Hr+Qr|0]=46;break
e }while(0);Y(r,46)}while(0);var qr=Se[pr+2];H(r,qr);break r}if(3==(0|Ir)){ for(var
br=(r+20|0)>>2,$r=Me[br],lr=(r+16|0)>>2,Jr=a,ra=0,aa=$r;){ var aa,ra,Jr,ea=Me[Jr+4>>2];if(0==(0|ea)){ var
ia=ra,va=0;gr=33;break }if(ra>>>0>3){ Z(r);break r}var
ta=(ra<<4)+yr|0;Se[ta>>2]=aa,Se[br]=ta,Se[((ra<<4)+4>>2)+wr]=ea,Se[((ra<<4)+8>>2)+wr]=0;var
fa=Me[lr];Se[((ra<<4)+12>>2)+wr]=fa;var _a=ra+1|0,sa=0|ea,na=Me[sa>>2];if((na-
25|0)>>>0>=3){ gr=25;break }var Jr=ea,ra=_a,aa=ta }e:do
if(25==gr){ if(4==(0|na)){ Se[dr]=fa,Se[lr]=mr,Se[dr+1]=ea;var oa=Se[sa>>2],la=mr }else var oa=na,la=fa;var
la,oa;if(2!=(0|oa)){ var ia=_a,va=sa;break }for(var ba=_a,ka=ea+8|0;){ var ka,ba,ua=Me[ka>>2];if((Se[ua>>2]-
25|0)>>>0>=3){ var ia=ba,va=sa;break e }if(ba>>>0>3)break;var ca=(ba<<4)+yr|0,ha=ba-
1|0,da=(ha<<4)+yr|0,or=ca>>2,nr=da>>2;Se[or]=Se[nr],Se[or+1]=Se[nr+1],Se[or+2]=Se[nr+2],Se[or+3]=Se[nr+3],
Se[ca>>2]=da,Se[br]=ca,Se[((ha<<4)+4>>2)+wr]=ua,Se[((ha<<4)+8>>2)+wr]=0,Se[((ha<<4)+12>>2)+wr]=la;var
ba=ba+1|0,ka=ua+4|0}Z(r);break r }while(0);var va,ia,wa=Se[pr+2];if(H(r,wa),4==(0|Se[va>>2])){ var
pa=Se[dr];Se[lr]=pa}var Ea=0==(0|ia);e:do if(!Ea)for(var Aa=r+8|0,ga=r+12|0,ya=ia;){ var ya,ma=ya-
1|0;if(0==(0|Se[((ma<<4)+8>>2)+wr])){ var Sa=Me[cr],Ma=0==(0|Sa);do{ if(!Ma){ var
Ca=Me[Aa>>2];if(Ca>>>0>=Me[ga>>2]>>>0){ gr=41;break }Se[Aa>>2]=Ca+1|0,Ae[Sa+Ca|0]=32,gr=42;break }gr
=41 }while(0);41==gr&&Y(r,32);var Ra=Se[((ma<<4)+4>>2)+wr];$(r,Ra)}if(0==(0|ma))break e;var
ya=ma }while(0);Se[br]=$r;break r}if(4==(0|lr)){ var sr=(r+20|0)>>2,Ta=Se[sr];Se[sr]=0;var
Oa=Se[pr+1];H(r,Oa);var Na=Me[cr],Ia=0==(0|Na);do{ if(!Ia){ var _r=(r+8|0)>>2,Da=Me[_r],La=0==(0|Da);do
if(!La){ if(Ae[Na+(Da-
1)|0]<<24>>24!=60)break;Da>>>0<Me[Er+3]>>>0?(Se[_r]=Da+1|0,Ae[Na+Da|0]=32):Y(r,32)}while(0);var

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Fa=Me[cr];if(0==(0|Fa)){gr=54;break}var
Xa=Me[_r];if(Xa>>>0>=Me[Er+3]>>>0){gr=54;break}Se[_r]=Xa+1|0,Ae[Fa+Xa|0]=60,gr=55;break}gr=54}while(
0);54==gr&&Y(r,60);var ja=Se[pr+2];H(r,ja);var Ua=Me[cr],xa=0==(0|Ua);do{if(!xa){var
fr=(r+8|0)>>2,za=Me[fr],Va=0==(0|za);do{if(!Va){if(Ae[Ua+(za-
1)|0]<<24>>24|=62)break;za>>>0<Me[Er+3]>>>0?(Se[fr]=za+1|0,Ae[Ua+za|0]=32):Y(r,32)}while(0);var
Ba=Me[cr];if(0==(0|Ba)){gr=64;break}var
Ha=Me[fr];if(Ha>>>0>=Me[Er+3]>>>0){gr=64;break}Se[fr]=Ha+1|0,Ae[Ba+Ha|0]=62,gr=65;break}gr=64}while(
0);64==gr&&Y(r,62),Se[sr]=Ta;break r}if(5==(0|Ir)){var tr=(r+16|0)>>2,Ka=Me[tr];if(0==(0|Ka)){Z(r);break
r}for(var Ya=Se[pr+1],Ga=Se[Ka+4>>2];){var
Ga,Ya,Wa=Se[Ga+8>>2];if(0==(0|Wa))break;if(39!=(0|Se[Wa>>2])){Z(r);break
r}if((0|Ya)<1){if(0!=(0|Ya))break;var Za=Se[Ka>>2];Se[tr]=Za;var Qa=Se[Wa+4>>2];H(r,Qa),Se[tr]=Ka;break
r}var Ya=Ya-1|0,Ga=Wa|Z(r);break r}if(6==(0|Ir)){var qa=Se[pr+2];H(r,qa);break r}if(7==(0|Ir)){var
$a=r+8|0,Ja=Me[$a>>2];Ja>>>0<Me[Er+3]>>>0?(Se[$a>>2]=Ja+1|0,Ae[Or+Ja|0]=126):Y(r,126);var
re=Se[pr+2];H(r,re);break r}if(8==(0|Ir)){var
vr=(r+8|0)>>2,ae=Me[vr];if((ae+11|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str121,11);else{for(var
ee=Or+ae|0,ie=0|He.__str121,ve=ee,te=ie+11;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var fe=Se[vr]+11|0;Se[vr]=fe}var
_e=Se[pr+1];H(r,_e);break r}if(9==(0|Ir)){var
J=(r+8|0)>>2,se=Me[J];if((se+8|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str122,8);else{var
ne=Or+se|0,le=0|ne;oe=542397526,Ae[le]=255&oe,oe>>=8,Ae[le+1]=255&oe,oe>>=8,Ae[le+2]=255&oe,oe>>=8,
Ae[le+3]=255&oe;var
be=ne+4|0;oe=544370534,Ae[be]=255&oe,oe>>=8,Ae[be+1]=255&oe,oe>>=8,Ae[be+2]=255&oe,oe>>=8,Ae[be+
3]=255&oe;var ke=Se[J]+8|0;Se[J]=ke}var ue=Se[pr+1];H(r,ue);break r}if(10==(0|Ir)){var
W=(r+8|0)>>2,ce=Me[W],he=r+12|0;if((ce+24|0)>>>0>Me[he>>2]>>>0)Q(r,0|He.__str123,24);else{var
de=Or+ce|0;Pa(de,0|He.__str123,24,1);var we=Se[W]+24|0;Se[W]=we}var pe=Se[pr+1];H(r,pe);var
Ee=Me[cr],ge=0==(0|Ee);do{if(!ge){var ye=Me[W];if((ye+4|0)>>>0>Me[he>>2]>>>0){gr=96;break}var
me=Ee+ye|0;oe=762210605,Ae[me]=255&oe,oe>>=8,Ae[me+1]=255&oe,oe>>=8,Ae[me+2]=255&oe,oe>>=8,Ae[
me+3]=255&oe;var Ce=Se[W]+4|0;Se[W]=Ce,gr=97;break}gr=96}while(0);96==gr&&Q(r,0|He.__str124,4);var
Re=Se[pr+2];H(r,Re);break r}if(11==(0|Ir)){var
G=(r+8|0)>>2,Te=Me[G];if((Te+13|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str125,13);else{for(var
Ne=Or+Te|0,ie=0|He.__str125,ve=Ne,te=ie+13;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var Ie=Se[G]+13|0;Se[G]=Ie}var
Pe=Se[pr+1];H(r,Pe);break r}if(12==(0|Ir)){var
K=(r+8|0)>>2,De=Me[K];if((De+18|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str126,18);else{for(var
Le=Or+De|0,ie=0|He.__str126,ve=Le,te=ie+18;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var Fe=Se[K]+18|0;Se[K]=Fe}var
Xe=Se[pr+1];H(r,Xe);break r}if(13==(0|Ir)){var
B=(r+8|0)>>2,je=Me[B];if((je+16|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str127,16);else{for(var
Ue=Or+je|0,ie=0|He.__str127,ve=Ue,te=ie+16;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var xe=Se[B]+16|0;Se[B]=xe}var
ze=Se[pr+1];H(r,ze);break r}if(14==(0|Ir)){var
V=(r+8|0)>>2,Ve=Me[V];if((Ve+21|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str128,21);else{var
Be=Or+Ve|0;Pa(Be,0|He.__str128,21,1);var Ke=Se[V]+21|0;Se[V]=Ke}var Ye=Se[pr+1];H(r,Ye);break
r}if(15==(0|Ir)){var z=(r+8|0)>>2,Ge=Me[z];if((Ge+17|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str129,17);else{for(var
We=Or+Ge|0,ie=0|He.__str129,ve=We,te=ie+17;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var Ze=Se[z]+17|0;Se[z]=Ze}var
Qe=Se[pr+1];H(r,Qe);break r}if(16==(0|Ir)){var
x=(r+8|0)>>2,qe=Me[x];if((qe+26|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str130,26);else{var
$e=Or+qe|0;Pa($e,0|He.__str130,26,1);var Je=Se[x]+26|0;Se[x]=Je}var ri=Se[pr+1];H(r,ri);break
r}if(17==(0|Ir)){var U=(r+8|0)>>2,ai=Me[U];if((ai+15|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str131,15);else{for(var
ei=Or+ai|0,ie=0|He.__str131,ve=ei,te=ie+15;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var ii=Se[U]+15|0;Se[U]=ii}var
vi=Se[pr+1];H(r,vi);break r}if(18==(0|Ir)){var
j=(r+8|0)>>2,ti=Me[j];if((ti+19|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str132,19);else{for(var

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fi=Or+ti|0,ie=0|He.__str132,ve=fi,te=ie+19;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var _i=Se[j]+19|0;Se[j]=_i} var
si=Se[pr+1];H(r,si);break r}if(19==(0|Ir)){ var
X=(r+8|0)>>2,ni=Me[X];if((ni+24|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str133,24);else{ var
oi=Or+ni|0;Pa(oi,0|He.__str133,24,1);var li=Se[X]+24|0;Se[X]=li} var bi=Se[pr+1];H(r,bi);break
r}if(20==(0|Ir)){ var F=(r+8|0)>>2,ki=Me[F];if((ki+17|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str134,17);else{ for(var
ui=Or+ki|0,ie=0|He.__str134,ve=ui,te=ie+17;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var ci=Se[F]+17|0;Se[F]=ci} var
hi=Se[pr+1];H(r,hi);break r}if(21==(0|Ir)){ var
L=(r+8|0)>>2,di=Me[L],wi=a+8|0,pi=Me[wi>>2];if((pi+di|0)>>>0>Me[Er+3]>>>0){ var
Ei=Se[pr+1];Q(r,Ei,pi);break r} var Ai=Or+di|0,gi=Se[pr+1];Pa(Ai,gi,pi,1);var
yi=Se[L]+Se[wi>>2]|0;Se[L]=yi;break r}if(22==(0|Ir)||23==(0|Ir)||24==(0|Ir)){ for(var mi=r+20|0;){ var
mi,Si=Me[mi>>2];if(0==(0|Si))break a;if(0==(0|Se[Si+8>>2])){ var Mi=Me[Se[Si+4>>2]>>2];if((Mi-
22|0)>>>0>=3)break a;if((0|Mi)==(0|Ir))break} var mi=0|Si} var Ci=Se[pr+1];H(r,Ci);break
r}if(25!=(0|Ir)&&26!=(0|Ir)&&27!=(0|Ir)&&28!=(0|Ir)&&29!=(0|Ir)&&30!=(0|Ir)&&31!=(0|Ir)&&32!=(0|Ir)){ if(3
3==(0|Ir)){ var D=(r+8|0)>>2,Ri=Me[D],P=(a+4|0)>>2,I=Me[P]>>2;if(0==(4&Se[Er]|0)){ var
Ti=Me[I+1];if((Ti+Ri|0)>>>0>Me[Er+3]>>>0){ var Oi=Se[I];Q(r,Oi,Ti);break r} var
Ni=Or+Ri|0,Ii=Se[I];Pa(Ni,Ii,Ti,1);var Pi=Se[D]+Se[Se[P]+4>>2]|0;Se[D]=Pi;break r} var
Di=Me[I+3];if((Di+Ri|0)>>>0>Me[Er+3]>>>0){ var Li=Se[I+2];Q(r,Li,Di);break r} var
Fi=Or+Ri|0,Xi=Se[I+2];Pa(Fi,Xi,Di,1);var ji=Se[D]+Se[Se[P]+12>>2]|0;Se[D]=ji;break r}if(34==(0|Ir)){ var
Ui=Se[pr+1];H(r,Ui);break r}if(35==(0|Ir)){ var N=(0|r)>>2;if(0!=(32&Se[N]|0)){ var xi=Se[Er+5];rr(r,a,xi)} var
zi=a+4|0,Vi=0==(0|Se[zi>>2]);e:do if(!Vi){ var
O=(r+20|0)>>2,Bi=Se[O],Hi=0|Mr;Se[Hi>>2]=Bi,Se[O]=Mr,Se[Mr+4>>2]=a;var Ki=Mr+8|0;Se[Ki>>2]=0;var
Yi=Se[Er+4];Se[Mr+12>>2]=Yi;var Gi=Se[zi>>2];H(r,Gi);var
Wi=Se[Hi>>2];if(Se[O]=Wi,0!=(0|Se[Ki>>2]))break r;if(0!=(32&Se[N]|0))break;var Zi=Me[cr],Qi=0==(0|Zi);do
if(!Qi){ var qi=r+8|0,$i=Me[qi>>2];if($i>>>0>=Me[Er+3]>>>0)break;Se[qi>>2]=$i+1|0,Ae[Zi+$i|0]=32;break
e} while(0);Y(r,32)} while(0);if(0!=(32&Se[N]|0))break r;var Ji=Se[Er+5];rr(r,a,Ji);break r}if(36==(0|Ir)){ var
T=(r+20|0)>>2,rv=Me[T],av=0|Cr;Se[hr]=rv,Se[T]=av,Se[hr+1]=a;var ev=Cr+8|0;Se[ev>>2]=0;var
iv=Se[Er+4];Se[hr+3]=iv;for(var vv=rv,tv=1;){ var tv,vv;if(0==(0|vv))break;if((Se[Se[vv+4>>2]>>2]-
22|0)>>>0>=3)break;var fv=vv+8|0;if(0==(0|Se[fv>>2])){ if(tv>>>0>3){ Z(r);break r} var
_v=(tv<<4)+Cr|0,R=_v>>2,C=vv>>2;Se[R]=Se[C],Se[R+1]=Se[C+1],Se[R+2]=Se[C+2],Se[R+3]=Se[C+3];var
sv=Se[T];Se[_v>>2]=sv,Se[T]=_v,Se[fv>>2]=1;var nv=tv+1|0} else var nv=tv;var nv,vv=Se[vv>>2],tv=nv} var
ov=Se[pr+2];if(H(r,ov),Se[T]=rv,0!=(0|Se[ev>>2]))break r;if(tv>>>0>1){ for(var lv=tv;){ var lv,bv=lv-
1|0,kv=Se[((bv<<4)+4>>2)+hr];if($ (r,kv),bv>>>0<=1)break;var lv=bv} var uv=Se[T]} else var uv=rv;var
uv;ar(r,a,uv);break r}if(37==(0|Ir)){ var
M=(r+20|0)>>2,cv=Se[M],hv=0|Rr;Se[hv>>2]=cv,Se[M]=Rr,Se[Rr+4>>2]=a;var dv=Rr+8|0;Se[dv>>2]=0;var
wv=Se[Er+4];Se[Rr+12>>2]=wv;var pv=a+4|0,Ev=Se[pr+2];H(r,Ev);var Av=0==(0|Se[dv>>2]);e:do if(Av){ var
gv=Me[cr],yv=0==(0|gv);do{ if(!yv){ var
mv=r+8|0,Sv=Me[mv>>2];if(Sv>>>0>=Me[Er+3]>>>0){ gr=187;break} Se[mv>>2]=Sv+1|0,Ae[gv+Sv|0]=32,gr=18
8;break} gr=187} while(0);187==gr&&Y(r,32);var Mv=Se[pv>>2];H(r,Mv);var Cv=Me[cr],Rv=0==(0|Cv);do
if(!Rv){ var S=(r+8|0)>>2,Tv=Me[S];if((Tv+3|0)>>>0>Me[Er+3]>>>0)break;var
Ov=Cv+Tv|0;Ae[Ov]=Ae[0|He.__str135],Ae[Ov+1]=Ae[(0|He.__str135)+1],Ae[Ov+2]=Ae[(0|He.__str135)+2];var
Nv=Se[S]+3|0;Se[S]=Nv;break e} while(0);Q(r,0|He.__str135,3)} while(0);var Iv=Se[hv>>2];Se[M]=Iv;break
r}if(38==(0|Ir)||39==(0|Ir)){ var Pv=Se[pr+1];H(r,Pv);var Dv=a+8|0;if(0==(0|Se[Dv>>2]))break r;var
Lv=Me[cr],Fv=0==(0|Lv);do{ if(!Fv){ var
m=(r+8|0)>>2,Xv=Me[m];if((Xv+2|0)>>>0>Me[Er+3]>>>0){ gr=197;break} var
jv=Lv+Xv|0;oe=8236,Ae[jv]=255&oe,oe>>=8,Ae[jv+1]=255&oe;var
Uv=Se[m]+2|0;Se[m]=Uv,gr=198;break} gr=197} while(0);197==gr&&Q(r,0|He.__str136,2);var
xv=Se[Dv>>2];H(r,xv);break r}if(40==(0|Ir)){ var
y=(r+8|0)>>2,zv=Me[y],g=(r+12|0)>>2;if((zv+8|0)>>>0>Me[g]>>>0)Q(r,0|He.__str137,8);else{ var

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Vv=Or+zv|0,le=0|Vv;oe=1919250543,Ae[le]=255&oe,oe>>=8,Ae[le+1]=255&oe,oe>>=8,Ae[le+2]=255&oe,oe>>=8,Ae[le+3]=255&oe;var
be=Vv+4|0;oe=1919906913,Ae[be]=255&oe,oe>>=8,Ae[be+1]=255&oe,oe>>=8,Ae[be+2]=255&oe,oe>>=8,Ae[be+3]=255&oe;var Bv=Se[y]+8|0;Se[y]=Bv}var A=(a+4|0)>>2,Hv=(Ae[Se[Se[A]+4>>2]]-97&255&255)<26;e:do
if(Hv){var Kv=Me[cr],Yv=0==(0|Kv);do if(!Yv){var
Gv=Me[y];if(Gv>>>0>=Me[g]>>>0)break;Se[y]=Gv+1|0,Ae[Kv+Gv|0]=32;break e}while(0);Y(r,32)}while(0);var
Wv=Me[cr],Zv=0==(0|Wv);do{if(!Zv){var
Qv=Me[y],qv=Me[A],\$v=Me[qv+8>>2];if((\$v+Qv|0)>>>0>Me[g]>>>0){var Jv=qv,rt=\$v;break}var
at=Wv+Qv|0,et=Se[qv+4>>2];Pa(at,et,\$v,1);var it=Se[y]+Se[Se[A]+8>>2]|0;Se[y]=it;break r}var
vt=Me[A],Jv=vt,rt=Se[vt+8>>2]}while(0);var rt,Jv,tt=Se[Jv+4>>2];Q(r,tt,rt);break r}if(41==(0|Ir)){var
E=(r+8|0)>>2,ft=Me[E];if((ft+9|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str10180,9);else{for(var
_t=Or+ft|0,ie=0|He.__str10180,ve=_t,te=ie+9;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var st=Se[E]+9|0;Se[E]=st}var
nt=Se[pr+2];H(r,nt);break r}if(42==(0|Ir)){var
p=(r+8|0)>>2,ot=Me[p];if((ot+9|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str10180,9);else{for(var
lt=Or+ot|0,ie=0|He.__str10180,ve=lt,te=ie+9;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var
bt=Se[p]+9|0;Se[p]=bt}er(r,a);break r}if(43==(0|Ir)){var kt=a+4|0,ut=Se[kt>>2],ct=42==(0|Se[ut>>2]);e:do
if(ct){var w=(r+8|0)>>2,ht=Me[w],dt=r+12|0;ht>>>0<Me[dt>>2]>>>0?(Se[w]=ht+1|0,Ae[Or+ht|0]=40):Y(r,40);var
wt=Se[kt>>2];er(r,wt);var pt=Me[cr],Et=0==(0|pt);do if(!Et){var
At=Me[w];if(At>>>0>=Me[dt>>2]>>>0)break;Se[w]=At+1|0,Ae[pt+At|0]=41;break e}while(0);Y(r,41)}else
ir(r,ut);while(0);var gt=Me[cr],yt=0==(0|gt);do{if(!yt){var
mt=r+8|0,St=Me[mt>>2];if(St>>>0>=Me[Er+3]>>>0){gr=232;break}Se[mt>>2]=St+1|0,Ae[gt+St|0]=40,gr=233;br
eak}gr=232}while(0);232==gr&&Y(r,40);var Mt=Se[pr+2];H(r,Mt);var Ct=Me[cr],Rt=0==(0|Ct);do if(!Rt){var
Tt=r+8|0,Ot=Me[Tt>>2];if(Ot>>>0>=Me[Er+3]>>>0)break;Se[Tt>>2]=Ot+1|0,Ae[Ct+Ot|0]=41;break
r}while(0);Y(r,41);break r}if(44==(0|Ir)){var d=(a+8|0)>>2;if(45==(0|Se[Se[d]>>2])){var
h=(a+4|0)>>2,Nt=Se[h],It=40==(0|Se[Nt>>2]);do if(It){var
Pt=Se[Nt+4>>2];if(1!=(0|Se[Pt+8>>2]))break;if(Ae[Se[Pt+4>>2]]<<24>>24!=62)break;var
Dt=r+8|0,Lt=Me[Dt>>2];Lt>>>0<Me[Er+3]>>>0?(Se[Dt>>2]=Lt+1|0,Ae[Or+Lt|0]=40):Y(r,40)}while(0);var
Ft=Me[cr],Xt=0==(0|Ft);do{if(!Xt){var
jt=r+8|0,Ut=Me[jt>>2];if(Ut>>>0>=Me[Er+3]>>>0){gr=248;break}Se[jt>>2]=Ut+1|0,Ae[Ft+Ut|0]=40,gr=249;bre
ak}gr=248}while(0);248==gr&&Y(r,40);var xt=Se[Se[d]+4>>2];H(r,xt);var zt=Me[cr],Vt=0==(0|zt);do{if(!Vt){var
c=(r+8|0)>>2,Bt=Me[c];if((Bt+2|0)>>>0>Me[Er+3]>>>0){gr=252;break}var
Ht=zt+Bt|0;oe=8233,Ae[Ht]=255&oe,oe>>=8,Ae[Ht+1]=255&oe;var
Kt=Se[c]+2|0;Se[c]=Kt,gr=253;break}gr=252}while(0);252==gr&&Q(r,0|He.__str139,2);var Yt=Se[h];ir(r,Yt);var
Gt=Me[cr],Wt=0==(0|Gt);do{if(!Wt){var
u=(r+8|0)>>2,Zt=Me[u];if((Zt+2|0)>>>0>Me[Er+3]>>>0){gr=256;break}var
Qt=Gt+Zt|0;oe=10272,Ae[Qt]=255&oe,oe>>=8,Ae[Qt+1]=255&oe;var
qt=Se[u]+2|0;Se[u]=qt,gr=257;break}gr=256}while(0);256==gr&&Q(r,0|He.__str140,2);var
\$t=Se[Se[d]+8>>2];H(r,\$t);var Jt=Me[cr],rf=0==(0|Jt);do{if(!rf){var
af=r+8|0,ef=Me[af>>2];if(ef>>>0>=Me[Er+3]>>>0){gr=260;break}Se[af>>2]=ef+1|0,Ae[Jt+ef|0]=41,gr=261;bre
ak}gr=260}while(0);260==gr&&Y(r,41);var vf=Se[h];if(40!=(0|Se[vf>>2]))break r;var
tf=Se[vf+4>>2];if(1!=(0|Se[tf+8>>2]))break r;if(Ae[Se[tf+4>>2]]<<24>>24!=62)break r;var
ff=Me[cr],_f=0==(0|ff);do if(!_f){var
sf=r+8|0,nf=Me[sf>>2];if(nf>>>0>=Me[Er+3]>>>0)break;Se[sf>>2]=nf+1|0,Ae[ff+nf|0]=41;break
r}while(0);Y(r,41);break r}Z(r);break r}if(45==(0|Ir)){Z(r);break r}if(46==(0|Ir)){var
of=a+4|0,k=(a+8|0)>>2,lf=Se[k],bf=47==(0|Se[lf>>2]);do if(bf){if(48!=(0|Se[Se[lf+8>>2]>>2]))break;var
b=(r+8|0)>>2,kf=Me[b],l=(r+12|0)>>2;kf>>>0<Me[l]>>>0?(Se[b]=kf+1|0,Ae[Or+kf|0]=40):Y(r,40);var
uf=Se[Se[k]+4>>2];H(r,uf);var cf=Me[cr],hf=0==(0|cf);do{if(!hf){var
df=Me[b];if((df+2|0)>>>0>Me[l]>>>0){gr=278;break}var

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wf=cf+df0;oe=8233,Ae[wf]=255&oe,oe>>=8,Ae[wf+1]=255&oe;var
pf=Se[b]+2|0;Se[b]=pf,gr=279;break }gr=278 } while(0);278==gr&&Q(r,0|He.__str139,2);var
Ef=Se[of>>2];ir(r,Ef);var Af=Me[cr],gf=0==(0|Af);do {if(!gf){ var
yf=Me[b];if((yf+2|0)>>>0>Me[l]>>>0){ gr=282;break } var
mf=Af+yf|0;oe=10272,Ae[mf]=255&oe,oe>>=8,Ae[mf+1]=255&oe;var
Sf=Se[b]+2|0;Se[b]=Sf,gr=283;break }gr=282 } while(0);282==gr&&Q(r,0|He.__str140,2);var
Mf=Se[Se[Se[k]+8>>2]+4>>2];H(r,Mf);var Cf=Me[cr],Rf=0==(0|Cf);do {if(!Rf){ var
Tf=Me[b];if((Tf+5|0)>>>0>Me[l]>>>0){ gr=286;break } var
Of=Cf+Tf|0;Ae[Of]=Ae[0|He.__str141],Ae[Of+1]=Ae[(0|He.__str141)+1],Ae[Of+2]=Ae[(0|He.__str141)+2],Ae[Of
+3]=Ae[(0|He.__str141)+3],Ae[Of+4]=Ae[(0|He.__str141)+4];var
Nf=Se[b]+5|0;Se[b]=Nf,gr=287;break }gr=286 } while(0);286==gr&&Q(r,0|He.__str141,5);var
If=Se[Se[Se[k]+8>>2]+8>>2];H(r,If);var Pf=Me[cr],Df=0==(0|Pf);do if(!Df){ var
Lf=Me[b];if(Lf>>>0>Me[l]>>>0)break;Se[b]=Lf+1|0,Ae[Pf+Lf|0]=41;break r } while(0);Y(r,41);break
r } while(0);Z(r);break r } if(47==(0|Ir)||48==(0|Ir)){ Z(r);break r } if(49==(0|Ir)||50==(0|Ir)){ var
Ff=a+4|0,Xf=Se[Ff>>2],jf=33==(0|Se[Xf>>2]);do {if(jf){ var
Uf=Me[Se[Xf+4>>2]+16>>2];if(1==(0|Uf)||2==(0|Uf)||3==(0|Uf)||4==(0|Uf)||5==(0|Uf)||6==(0|Uf)){ var
xf=a+8|0;if(0!=(0|Se[Se[xf>>2]>>2])){ var zf=Uf;break } if(50==(0|Ir)){ var
Vf=r+8|0,Bf=Me[Vf>>2];Bf>>>0<Me[Er+3]>>>0?(Se[Vf>>2]=Bf+1|0,Ae[Or+Bf|0]=45):Y(r,45) } var
Hf=Se[xf>>2];if(H(r,Hf),2==(0|Uf)){ var Kf=Me[cr],Yf=0==(0|Kf);do if(!Yf){ var
Gf=r+8|0,Wf=Me[Gf>>2];if(Wf>>>0>Me[Er+3]>>>0)break;Se[Gf>>2]=Wf+1|0,Ae[Kf+Wf|0]=117;break
r } while(0);Y(r,117);break r } if(3==(0|Uf)){ var Zf=Me[cr],Qf=0==(0|Zf);do if(!Qf){ var
qf=r+8|0,$f=Me[qf>>2];if($f>>>0>Me[Er+3]>>>0)break;Se[qf>>2]=$f+1|0,Ae[Zf+$f|0]=108;break
r } while(0);Y(r,108);break r } if(4==(0|Uf)){ var Jf=Me[cr],r_=0==(0|Jf);do if(!r_){ var
o=(r+8|0)>>2,a_=Me[o];if((a_+2|0)>>>0>Me[Er+3]>>>0)break;var
e_=Jf+a_|0;oe=27765,Ae[e_]=255&oe,oe>>=8,Ae[e_+1]=255&oe;var i_=Se[o]+2|0;Se[o]=i_;break
r } while(0);Q(r,0|He.__str142,2);break r } if(5==(0|Uf)){ var v_=Me[cr],t_=0==(0|v_);do if(!t_){ var
n=(r+8|0)>>2,f_=Me[n];if((f_+2|0)>>>0>Me[Er+3]>>>0)break;var
__=v_+f_|0;oe=27756,Ae[__]=255&oe,oe>>=8,Ae[__+1]=255&oe;var s_=Se[n]+2|0;Se[n]=s_;break
r } while(0);Q(r,0|He.__str143,2);break r } if(6==(0|Uf)){ var n_=Me[cr],o_=0==(0|n_);do if(!o_){ var
s=(r+8|0)>>2,l_=Me[s];if((l_+3|0)>>>0>Me[Er+3]>>>0)break;var
b_=n_+l_|0;Ae[b_]=Ae[0|He.__str144],Ae[b_+1]=Ae[(0|He.__str144)+1],Ae[b_+2]=Ae[(0|He.__str144)+2];var
k_=Se[s]+3|0;Se[s]=k_;break r } while(0);Q(r,0|He.__str144,3);break r } break r } if(7==(0|Uf)){ var
_=Se[pr+2]>>2;if(0!=(0|Se[_])){ var zf=7;break } if(!(1==(0|Se[_+2])&49==(0|Ir))){ var zf=Uf;break } var
u_=Ae[Se[_+1]]<<24>>24;if(48==(0|u_)){ var
f=(r+8|0)>>2,c_=Me[f];if((c_+5|0)>>>0>Me[Er+3]>>>0){ Q(r,0|He.__str145,5);break r } var
h_=Or+c_|0;Ae[h_]=Ae[0|He.__str145],Ae[h_+1]=Ae[(0|He.__str145)+1],Ae[h_+2]=Ae[(0|He.__str145)+2],Ae[h_
+3]=Ae[(0|He.__str145)+3],Ae[h_+4]=Ae[(0|He.__str145)+4];var d_=Se[f]+5|0;Se[f]=d_;break
r } if(49==(0|u_)){ var t=(r+8|0)>>2,w_=Me[t];if((w_+4|0)>>>0>Me[Er+3]>>>0){ Q(r,0|He.__str146,4);break r } var
p_=Or+w_|0;oe=1702195828,Ae[p_]=255&oe,oe>>=8,Ae[p_+1]=255&oe,oe>>=8,Ae[p_+2]=255&oe,oe>>=8,Ae[
p_+3]=255&oe;var E_=Se[t]+4|0;Se[t]=E_;break r } var zf=Uf;break } var zf=Uf;break } var zf=0 } while(0);var
zf,v=(r+8|0)>>2,A_=Me[v],i=(r+12|0)>>2;A_>>>0<Me[i]>>>0?(Se[v]=A_+1|0,Ae[Or+A_|0]=40):Y(r,40);var
g_=Se[Ff>>2];H(r,g_);var y_=Me[cr],m_=0==(0|y_);do {if(!m_){ var
S_=Me[v];if(S_>>>0>Me[i]>>>0){ gr=335;break } Se[v]=S_+1|0,Ae[y_+S_|0]=41,gr=336;break }gr=335 } while(0);
335==gr&&Y(r,41);var M_=50==(0|Se[Nr>>2]);e:do if(M_){ var C_=Me[cr],R_=0==(0|C_);do if(!R_){ var
T_=Me[v];if(T_>>>0>Me[i]>>>0)break;Se[v]=T_+1|0,Ae[C_+T_|0]=45;break
e } while(0);Y(r,45) } while(0);if(8==(0|zf)){ var O_=Me[cr],N_=0==(0|O_);do {if(!N_){ var
I_=Me[v];if(I_>>>0>Me[i]>>>0){ gr=345;break } Se[v]=I_+1|0,Ae[O_+I_|0]=91,gr=346;break }gr=345 } while(0);3
45==gr&&Y(r,91);var P_=Se[pr+2];H(r,P_);var D_=Me[cr],L_=0==(0|D_);do if(!L_){ var

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F_=Me[v];if(F_>>>0>=Me[i]>>>0)break;Se[v]=F_+1|0,Ae[D_+F_]=93;break r}while(0);Y(r,93);break r}var
X_=Se[pr+2];H(r,X_);break r}Z(r);break r} }while(0);var
e=(r+20|0)>>>2,j_=_Se[e],U_=_0|Sr;Se[U_>>2]=j_,Se[e]=Sr,Se[Sr+4>>>2]=a;var x_=_Sr+8|0;Se[x_>>>2]=0;var
z_=_Se[Er+4];Se[Sr+12>>>2]=z_;var V_=_Se[pr+1];H(r,V_),0==(0|Se[x_>>>2])&&$(r,a);var
B_=_Se[U_>>>2];Se[e]=B_}while(0);Oe=Ar}function K(r,a,e,i){var
v=i>>>2;Se[v]=r,Se[v+1]=r+e|0,Se[v+2]=a,Se[v+3]=r,Se[v+6]=e<<<1,Se[v+5]=0,Se[v+9]=e,Se[v+8]=0,Se[v+10]=0,
Se[v+11]=0,Se[v+12]=0}function Y(r,a){var e,i=r+4|0,v=Me[i]>>>2,t=0==(0|v);do if(!t){var
e=(r+8|0)>>>2,f=Me[e];if(f>>>0<Me[r+12>>>2]>>>0)var _=v,s=f;else{tr(r,1);var n=Me[i]>>>2;if(0==(0|n))break;var
_=_n,s=Se[e]}var s,_;Ae[_+s|0]=255&a;var o=Se[e]+1|0;Se[e]=o}while(0)}function G(r,a,e,i){var
v,t=i>>>2,f=Oe;Oe+=4;var _=f,v_>>>2,s=0==(0|r);do if(s){if(0==(0|i)){var n=0;break}Se[t]=-3;var n=0}else{var
o=0==(0|e);if(0!=(0|a)&o){if(0==(0|i)){var n=0;break}Se[t]=-3;var n=0}else{var
l=W(r,_);if(0==(0|l)){if(0==(0|i)){var n=0;break}if(1==(0|Se[v])){Se[t]=-1;var n=0}else{Se[t]=-2;var
n=0}}else{var b=0==(0|a);do if(b){if(o){var k=1;break}var u=Se[v];Se[e>>>2]=u;var k=1}else{var
c=Ca(l);if(c>>>0<Me[e>>>2]>>>0){Ra(a,l);va(l);var k=a}else{va(a);var h=Se[v];Se[e>>>2]=h;var k=1}}while(0);var
k;if(0==(0|i)){var n=k;break}Se[t]=0;var n=k}}while(0);var n;return Oe=f,n}function W(r,a){var
e,i=Oe;Oe+=52;var v,t=i,e=t>>>2;Se[a>>>2]=0;var
f=Ca(r,_=Ae[r]<<<24>>>24==95;do{if(_){if(Ae[r+1|0]<<<24>>>24==90){var
s=0;v=13;break}v=3;break}v=3}while(0);do if(3==v){var n=Na(r,0|He.__str117,8);if(0!=(0|n)){var
s=1;v=13;break}var o=Ae[r+8|0];if(o<<<24>>>24!=46&&o<<<24>>>24!=95&&o<<<24>>>24!=36){var
s=1;v=13;break}var l=r+9|0,b=Ae[l];if(b<<<24>>>24!=68&&b<<<24>>>24!=73){\nvar
s=1;v=13;break}if(Ae[r+10|0]<<<24>>>24!=95){var s=1;v=13;break}var
k=f+29|0,u=Jr(k);if(0==(0|u)){Se[a>>>2]=1;var
c=0;v=19;break}Ae[l]<<<24>>>24==73?Pa(u,0|He.__str118,30,1):Pa(u,0|He.__str119,29,1);var
h=r+11|0,c=(Ia(u,h),u);v=19;break}while(0);if(13==v){var s;K(r,17,f,t);var
d=Se[e+6],w=Ta(),p=Oe;Oe+=12*d,Oe=Oe+3>>>2<<<2;var
E=Oe;if(Oe+=4*Se[e+9],Oe=Oe+3>>>2<<<2,Se[e+4]=p,Se[e+7]=E,s)var A=N(t),g=A;else var y=T(t,1),g=y;var
g,m=Ae[Se[e+3]]<<<24>>>24==0?g:0,S=Se[e+12]+f+10*Se[e+10]|0;if(0==(0|m))var M=0;else var
C=S/8+S|0,R=B(17,m,C,a),M=R;var M;Oa(w);var c=M}var c;return Oe=i,c}function Z(r){var
a=r+4|0,e=Se[a>>>2];va(e),Se[a>>>2]=0}function Q(r,a,e){var i,v=r+4|0,t=Me[v>>>2],f=0==(0|t);do if(!f){var
i=(r+8|0)>>>2,_=Me[i];if(_+e|0)>>>0>Me[r+12>>>2]>>>0){tr(r,e);var s=Me[v>>>2];if(0==(0|s))break;var
n=s,o=Se[i]}else var n=t,o=_;var o,n;Pa(n+o|0,a,e,1);var l=Se[i]+e|0;Se[i]=l}while(0)}function q(r,a,e){var
i,v,t=a+e|0,f=(0|e)>0;r:do if(f)for(var _=t,s=r+4|0,i=(r+8|0)>>>2,n=r+12|0,o=a;){var o,l=(_-
o|0)>3;a:do{if(l){if(Ae[o]<<<24>>>24!=95){v=21;break}if(Ae[o+1|0]<<<24>>>24!=95){v=21;break}if(Ae[o+2|0]<<<24
>>>24!=85){v=21;break}for(var b=o+3|0,k=0;){var k,b;if(b>>>0>=t>>>0){v=21;break a}var
u=ge[b],c=u<<<24>>>24;if((u-48&255&255)<10)var h=c-48|0;else if((u-65&255&255)<6)var h=c-55|0;else{if((u-
97&255&255)>=6)break;var h=c-87|0}var
h,b=b+1|0,k=(k<<<4)+h|0}if(!(u<<<24>>>24==95&k>>>0<256)){v=21;break}var d=Me[s>>>2],w=0==(0|d);do
if(!w){var p=Me[i];if(p>>>0>=Me[n>>>2]>>>0)break;Se[i]=p+1|0,Ae[d+p|0]=255&k;var E=b;v=25;break
a}while(0);Y(r,k);var E=b;v=25;break}v=21}while(0);a:do if(21==v){var A=Me[s>>>2],g=0==(0|A);do if(!g){var
y=Me[i];if(y>>>0>=Me[n>>>2]>>>0)break;var m=Ae[o];Se[i]=y+1|0,Ae[A+y|0]=m;var E=o;break a}while(0);var
S=Ae[o]<<<24>>>24;Y(r,S);var E=o}while(0);var E,M=E+1|0;if(M>>>0>=t>>>0)break r;var
o=M}while(0)}function $(r,a){var e,i,v,t,f,_s,n=r>>>2,o=Se[a>>>2];r:do if(22==(0|o)||25==(0|o)){var
l=Me[n+1],b=0==(0|l);do if(!b){var _(r+8|0)>>>2,k=Me[_];if((k+9|0)>>>0>Me[n+3]>>>0)break;for(var
u=l+k|0,c=0|He.__str147,h=u,d=c+9;c<d;c++,h++)Ae[h]=Ae[c];var w=Se[_+9|0;Se[_]=w;break
r}while(0);Q(r,0|He.__str147,9)}else if(23==(0|o)||26==(0|o)){var p=Me[n+1],E=0==(0|p);do if(!E){var
f=(r+8|0)>>>2,A=Me[f];if((A+9|0)>>>0>Me[n+3]>>>0)break;for(var
g=p+A|0,c=0|He.__str148,h=g,d=c+9;c<d;c++,h++)Ae[h]=Ae[c];var y=Se[f+9|0;Se[f]=y;break
r}while(0);Q(r,0|He.__str148,9)}else if(24==(0|o)||27==(0|o)){var m=Me[n+1],S=0==(0|m);do if(!S){var

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t=(r+8|0)>>2,M=Me[t];if((M+6|0)>>>0>Me[n+3]>>>0)break;var
C=m+m|0;Ae[C]=Ae[0]He.__str149,Ae[C+1]=Ae[(0]He.__str149)+1,Ae[C+2]=Ae[(0]He.__str149)+2,Ae[C+3]=
Ae[(0]He.__str149)+3,Ae[C+4]=Ae[(0]He.__str149)+4,Ae[C+5]=Ae[(0]He.__str149)+5;var
R=Se[t]+6|0;Se[t]=R;break r} while(0);Q(r,0]He.__str149,6)}else if(28==(0|o)){var
T=Me[n+1],O=0==(0|T);do{if(!O){var
N=r+8|0,I=Me[N>>2];if(I>>>0>=Me[n+3]>>>0){s=17;break}Se[N>>2]=I+1|0,Ae[T+I|0]=32,s=18;break}s=17}wh
ile(0);17==s&&Y(r,32);var P=Se[a+8>>2];H(r,P)}else if(29==(0|o)){if(0!=(4&Se[n]|0))break;var
D=Me[n+1],L=0==(0|D);do if(!L){var
F=r+8|0,X=Me[F>>2];if(X>>>0>=Me[n+3]>>>0)break;Se[F>>2]=X+1|0,Ae[D+X|0]=42;break
r} while(0);Y(r,42)}else if(30==(0|o)){var j=Me[n+1],U=0==(0|j);do if(!U){var
x=r+8|0,z=Me[x>>2];if(z>>>0>=Me[n+3]>>>0)break;Se[x>>2]=z+1|0,Ae[j+z|0]=38;break r} while(0);Y(r,38)}else
if(31==(0|o)){var V=Me[n+1],B=0==(0|V);do if(!B){var
v=(r+8|0)>>2,K=Me[v];if((K+8|0)>>>0>Me[n+3]>>>0)break;var
G=V+K|0,W=0|G;oe=1886220131,Ae[W]=255&oe,oe>>=8,Ae[W+1]=255&oe,oe>>=8,Ae[W+2]=255&oe,oe>>=8
,Ae[W+3]=255&oe;var
Z=G+4|0;oe=544761196,Ae[Z]=255&oe,oe>>=8,Ae[Z+1]=255&oe,oe>>=8,Ae[Z+2]=255&oe,oe>>=8,Ae[Z+3]=2
55&oe;var q=Se[v]+8|0;Se[v]=q;break r} while(0);Q(r,0]He.__str150,8)}else if(32==(0|o)){var
$=Me[n+1],J=0==(0|$);do if(!J){var i=(r+8|0)>>2,rr=Me[i];if((rr+10|0)>>>0>Me[n+3]>>>0)break;for(var
ar=$+rr|0,c=0]He.__str151,h=ar,d=c+10;c<d;c++,h++)Ae[h]=Ae[c];var er=Se[i]+10|0;Se[i]=er;break
r} while(0);Q(r,0]He.__str151,10)}else if(37==(0|o)){var ir=r+4|0,vr=Me[ir>>2],tr=0==(0|vr);do{if(!tr){var
fr=r+8|0,_r=Me[fr>>2];if(0!=(0|_r)&&Ae[vr+(_r-
1)|0]<<24>>24==40){s=42;break}if(_r>>>0>=Me[n+3]>>>0){s=41;break}Se[fr>>2]=_r+1|0,Ae[vr+_r|0]=32,s=42;
break}s=41} while(0);41==s&&Y(r,32);var sr=Se[a+4>>2];H(r,sr);var nr=Me[ir>>2],or=0==(0|nr);do if(!or){var
e=(r+8|0)>>2,lr=Me[e];if((lr+3|0)>>>0>Me[n+3]>>>0)break;var
br=nr+lr|0;Ae[br]=Ae[0]He.__str135,Ae[br+1]=Ae[(0]He.__str135)+1,Ae[br+2]=Ae[(0]He.__str135)+2;var
kr=Se[e]+3|0;Se[e]=kr;break r} while(0);Q(r,0]He.__str135,3)}else if(3==(0|o)){var ur=Se[a+4>>2];H(r,ur)}else
H(r,a);while(0)}function J(r){var a=r+20|0,e=Se[a>>2];if((0|e)<(0|Se[r+24>>2])){var
i=Se[r+16>>2]+12*e|0,v=e+1|0;Se[a>>2]=v;var t=i} else var t=0;var t;return t}function rr(r,a,e){var
i,v,t,f,_r>>2,s=e,t=s>>2,n=0;r:for(;;){var n,s,o=0==(0|s);do if(!o){if(0!=(0|Se[t+2]))break;var
l=Se[Se[t+1]>>2];if(29==(0|l)||30==(0|l)){f=9;break
r}if(22==(0|l)||23==(0|l)||24==(0|l)||28==(0|l)||31==(0|l)||32==(0|l)||37==(0|l)){var b=Se[_+1];f=12;break r}var
s=Se[t],t=s>>2,n=1;continue r} while(0);if(0!=(0|Se[a+4>>2])&0==(0|n)){f=9;break}var
k=0,u=r+4|0,v=u>>2;f=22;break}do if(9==f){var c=Se[_+1];if(0==(0|c)){f=17;break}var
h=Se[_+2];if(0==(0|h)){var d=c;f=13;break}var w=Ae[c+(h-
1)|0];if(w<<24>>24==40||w<<24>>24==42){f=18;break}var b=c;f=12;break} while(0);do if(12==f){var
b;if(0==(0|b)){f=17;break}var d=b;f=13;break} while(0);do if(13==f){var
d,p=r+8|0,E=Me[p>>2];if(0!=(0|E)&&Ae[d+(E-
1)|0]<<24>>24==32){f=18;break}if(E>>>0>=Me[_+3]>>>0){f=17;break}Se[p>>2]=E+1|0,Ae[d+E|0]=32,f=18;bre
ak} while(0);do if(17==f){Y(r,32),f=18;break} while(0);r:do if(18==f){var A=r+4|0,g=Me[A>>2],y=0==(0|g);do
if(!y){var m=r+8|0,S=Me[m>>2];if(S>>>0>=Me[_+3]>>>0)break;Se[m>>2]=S+1|0,Ae[g+S|0]=40;var
k=1,u=A,v=u>>2;break r} while(0);Y(r,40);var k=1,u=A,v=u>>2} while(0);var
u,k,i=(r+20|0)>>2,M=Se[i];Se[i]=0,vr(r,e,0);r:do if(k){var C=Me[v],R=0==(0|C);do if(!R){var
T=r+8|0,O=Me[T>>2];if(O>>>0>=Me[_+3]>>>0)break;Se[T>>2]=O+1|0,Ae[C+O|0]=41;break
r} while(0);Y(r,41)} while(0);var N=Me[v],I=0==(0|N);do{if(!I){var
P=r+8|0,D=Me[P>>2];if(D>>>0>=Me[_+3]>>>0){f=30;break}Se[P>>2]=D+1|0,Ae[N+D|0]=40,f=31;break}f=30}
while(0);30==f&&Y(r,40);var L=Se[a+8>>2];0!=(0|L)&&H(r,L);var F=Me[v],X=0==(0|F);do{if(!X){var
j=r+8|0,U=Me[j>>2];if(U>>>0>=Me[_+3]>>>0){f=36;break}Se[j>>2]=U+1|0,Ae[F+U|0]=41,f=37;break}f=36}wh
ile(0);36==f&&Y(r,41),vr(r,e,1),Se[i]=M}function ar(r,a,e){var i,v,t,f=r>>2,_=0==(0|e);do{if(!_) {var

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s=e,v=s>>2;r:for(;;){ var s;if(0==(0|s)){ var n=1;t=14;break }if(0==(0|Se[v+2])){ var
o=36==(0|Se[Se[v+1]>>2]),l=1&o^1;if(o){ var n=1;t=14;break } var b=r+4|0,k=Me[b>>2],u=0==(0|k);do{ if(!u){ var
i=(r+8|0)>>2,c=Me[i];if((c+2|0)>>>0>Me[f+3]>>>0){ t=9;break } var
h=k+c|0;oe=10272,Ae[h]=255&oe,oe>>=8,Ae[h+1]=255&oe;var
d=Se[i]+2|0;Se[i]=d,vr(r,e,0),t=10;break }t=9} while(0);9==t&&(Q(r,0|He.__str140,2),vr(r,e,0));var
w=Me[b>>2],p=0==(0|w);do if(!p){ var
E=r+8|0,A=Me[E>>2];if(A>>>0>=Me[f+3]>>>0)break;Se[E>>2]=A+1|0,Ae[w+A|0]=41;var g=1;t=15;break
r} while(0);Y(r,41);var g=1;t=15;break } var s=Se[v],v=s>>2}if(14==t){ var n;vr(r,e,0);var g=n } var
g;if(0!=(0|g)){ t=17;break } var y=r+4|0;t=21;break }t=17} while(0);r:do if(17==t){ var
m=r+4|0,S=Me[m>>2],M=0==(0|S);do if(!M){ var
C=r+8|0,R=Me[C>>2];if(R>>>0>=Me[f+3]>>>0)break;Se[C>>2]=R+1|0,Ae[S+R|0]=32;var y=m;break
r} while(0);Y(r,32);var y=m } while(0);var y,T=Me[y>>2],O=0==(0|T);do{ if(!O){ var
N=r+8|0,I=Me[N>>2];if(I>>>0>=Me[f+3]>>>0){ t=24;break } Se[N>>2]=I+1|0,Ae[T+I|0]=91,t=25;break }t=24} whil
e(0);24==t&&Y(r,91);var P=Se[a+4>>2];0!=(0|P)&&H(r,P);var D=Me[y>>2],L=0==(0|D);do{ if(!L){ var
F=r+8|0,X=Me[F>>2];if(X>>>0>=Me[f+3]>>>0){ t=30;break } Se[F>>2]=X+1|0,Ae[D+X|0]=93,t=31;break }t=30} w
hile(0);30==t&&Y(r,93)}function er(r,a){ var e,i,v,t,f,_,s=Oe;Oe+=8;var
n,o=s,_(a+4|0)>>2,l=Se[_];if(4==(0|Se[l>>2])){ var f=(r+20|0)>>2,b=Se[f];Se[f]=0;var
t=(r+16|0)>>2,k=Se[t],u=0|o;Se[u>>2]=k,Se[t]=o;var c=Se[_];Se[o+4>>2]=c;var h=Se[c+4>>2];H(r,h);var
d=Se[u>>2];Se[t]=d;var v=(r+4|0)>>2,w=Me[v],p=0==(0|w);do{ if(!p){ var i=(r+8|0)>>2,E=Me[i],A=0==(0|E);do
if(!A){ if(Ae[w+(E-
1)|0]<<24>>24!=60)break;E>>>0<Me[r+12>>2]>>>0?(Se[i]=E+1|0,Ae[w+E|0]=32):Y(r,32)} while(0);var
g=Me[v];if(0==(0|g)){ n=12;break } var
y=Me[i];if(y>>>0>=Me[r+12>>2]>>>0){ n=12;break } Se[i]=y+1|0,Ae[g+y|0]=60,n=13;break }n=12} while(0);12==n
&&Y(r,60);var m=Se[Se[_]+8>>2];H(r,m);var S=Me[v],M=0==(0|S);do{ if(!M){ var
e=(r+8|0)>>2,C=Me[e],R=0==(0|C);do if(!R){ if(Ae[S+(C-
1)|0]<<24>>24!=62)break;C>>>0<Me[r+12>>2]>>>0?(Se[e]=C+1|0,Ae[S+C|0]=32):Y(r,32)} while(0);var
T=Me[v];if(0==(0|T)){ n=22;break } var
O=Me[e];if(O>>>0>=Me[r+12>>2]>>>0){ n=22;break } Se[e]=O+1|0,Ae[T+O|0]=62,n=23;break }n=22} while(0);22
==n&&Y(r,62),Se[f]=b} else H(r,l);Oe=s}function ir(r,a){ var e,i=40==(0|Se[a>>2]);r:do if(i){ var
v=Me[r+4>>2],t=0==(0|v);do{ if(!t){ var
e=(r+8|0)>>2,f=Me[e],_=a+4|0,s=Me[_>>2],n=Me[s+8>>2];if((n+f|0)>>>0>Me[r+12>>2]>>>0){ var
o=s,l=n;break } var b=v+f|0,k=Se[s+4>>2];Pa(b,k,n,1);var u=Se[e]+Se[Se[_>>2]+8>>2]|0;Se[e]=u;break r } var
c=Me[a+4>>2],o=c,l=Se[c+8>>2]} while(0);var l,o,h=Se[o+4>>2];Q(r,h,l)} else H(r,a);while(0)}function
vr(r,a,e){ var i,v,t,f,_,f=(r+4|0)>>2,s=0==(0|e),t=(r+16|0)>>2;r:do if(s)for(var n=a;;){ var n;if(0==(0|n)){ _=29;break
r}if(0==(0|Se[f])){ _=29;break r } var o=n+8|0,l=0==(0|Se[o>>2]);do if(l){ var b=n+4|0;if((Se[Se[b>>2]>>2]-
25|0)>>>0<3)break;Se[o>>2]=1;var k=Me[t],u=Se[n+12>>2];Se[t]=u;var
c=Me[b>>2],h=Se[c>>2];if(35==(0|h)){ var d=n,w=k,p=c,_=14;break r }if(36==(0|h)){ var E=n,A=k,g=c,_=15;break
r }if(2==(0|h)){ var y=k,m=b,_=16;break r }$(r,c),Se[t]=k} while(0);var n=Se[n>>2]} else for(var S=a;;){ var
S;if(0==(0|S)){ _=29;break r }if(0==(0|Se[f])){ _=29;break r } var M=S+8|0;if(0==(0|Se[M>>2])){ Se[M>>2]=1;var
C=Me[t],R=Se[S+12>>2];Se[t]=R;var T=S+4|0,O=Me[T>>2],N=Se[O>>2];if(35==(0|N)){ var
d=S,w=C,p=O,_=14;break r }if(36==(0|N)){ var E=S,A=C,g=O,_=15;break r }if(2==(0|N)){ var
y=C,m=T,_=16;break r }$(r,O),Se[t]=C } var S=Se[S>>2]} while(0);if(14==_){ var
p,w,d,I=Se[d>>2];rr(r,p,I),Se[t]=w} else if(15==_){ var g,A,E,P=Se[E>>2];ar(r,g,P),Se[t]=A} else if(16==_){ var
m,y,v=(r+20|0)>>2,D=Se[v];Se[v]=0;var L=Se[Se[m>>2]+4>>2];H(r,L),Se[v]=D;var
F=0==(4&Se[r>>2]|0),X=Me[f],j=0!=(0|X);r:do if(F){ do if(j){ var
i=(r+8|0)>>2,U=Me[i];if((U+2|0)>>>0>Me[r+12>>2]>>>0)break;var
x=X+U|0;oe=14906,Ae[x]=255&oe,oe>>=8,Ae[x+1]=255&oe;var z=Se[i]+2|0;Se[i]=z;break
r} while(0);Q(r,0|He.__str120,2)} else{ do if(j){ var

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V=r+8|0,B=Me[V>>2];if(B>>>0>=Me[r+12>>2]>>>0)break;Se[V>>2]=B+1|0,Ae[X+B|0]=46;break
r}while(0);Y(r,46)}while(0);var K=Me[Se[m>>2]+8>>2],G=(Se[K>>2]-25|0)>>>0<3;r:do if(G)for(var W=K;){var
W,Z=Me[W+4>>2];if((Se[Z>>2]-25|0)>>>0>=3){var q=Z;break r}var W=Z}else var q=K;while(0);var
q;H(r,q),Se[t]=y}}function tr(r,a){var e,e=(r+4|0)>>2,i=Se[e],v=0==(0|i);r:do if(!v){for(var
t=Se[r+8>>2]+a|0,f=r+12|0,_,=Se[f>>2],s=i;){var s,_,;if(t>>>0<=_>>>0)break r;var
n=_<<1,o=fa(s,n);if(0==(0|o))break;Se[e]=o,Se[f>>2]=n;var _=n,s=o}var
l=Se[e];va(l),Se[e]=0,Se[r+24>>2]=1}while(0)}function fr(r,a,e){var i,v=J(r),i=v>>2;return
0!=(0|v)&&(Se[i]=21,Se[i+1]=a,Se[i+2]=e),v}function _r(r){var
a,a=(r+12|0)>>2,e=Se[a],i=Ae[e]<<24>>24;if(88==(0|i)){var v=e+1|0;Se[a]=v;var
t=nr(r),f=Se[a],_=f+1|0;Se[a]=_;var s=Ae[f]<<24>>24==69?t:0,n=s}else if(76==(0|i))var o=or(r),n=o;else var
l=N(r),n=l;var n;return n}function sr(r){var a,a=(r+12|0)>>2,e=Se[a],i=Ae[e];if(i<<24>>24==110){var
v=e+1|0;Se[a]=v;var t=1,f=Ae[v],_=v}else var t=0,f=i,_=e;var _,f,t,s=(f-48&255&255)<10;r:do if(s)for(var
n=f,o=0,l=_,;){var l,o,n,b=(n<<24>>24)-48+10*o|0,k=l+1|0;Se[a]=k;var u=ge[k];if((u-48&255&255)>=10){var
c=b;break r}var n=u,o=b,l=k}else var c=0;while(0);var c,h=0==(0|t)?c:0|c;return h}function nr(r){var
a,e,a=(r+12|0)>>2,i=Se[a],v=Ae[i];do{if(v<<24>>24==76){var t=or(r),f=t;e=21;break}if(v<<24>>24==84){var
_=x(r),f=_;e=21;break}if(v<<24>>24==115){if(Ae[i+1|0]<<24>>24!=114){e=8;break}var s=i+2|0;Se[a]=s;var
n=N(r),o=br(r);if(Ae[Se[a]]<<24>>24==73){var l=z(r),b=D(r,4,o,l),k=D(r,l,n,b),f=k;e=21;break}var
u=D(r,l,n,o),f=u;e=21;break}e=8}while(0);r:do if(8==e){var c=kr(r);if(0==(0|c)){var f=0;break}var
h=0|c,d=Se[h>>2],w=40==(0|d);do{if(w){var p=c+4|0,E=r+48|0,A=Se[Se[p>>2]+8>>2]-
2+Se[E>>2]|0;Se[E>>2]=A;var g=Se[h>>2];if(40!=(0|g)){var y=g;e=13;break}var
m=Se[p>>2],S=Se[m>>2],M=Da(S,0|He.__str90);if(0!=(0|M)){var C=m;e=15;break}var
R=N(r),T=D(r,43,c,R),f=T;break r}var y=d;e=13}while(0);do if(13==e){var y;if(40==(0|y)){var
C=Se[c+4>>2];e=15;break}if(41==(0|y)){var O=c+4|0;e=17;break}if(42==(0|y)){e=18;break}var f=0;break
r}while(0);do if(15==e){var C,O=C+12|0;e=17;break}while(0);do if(17==e){var
O,I=Se[O>>2];if(1==(0|I))break;if(2==(0|I)){var P=nr(r),L=nr(r),F=D(r,45,P,L),X=D(r,44,c,F);return
X}if(3==(0|I)){var j=nr(r),U=nr(r),V=nr(r),B=D(r,48,U,V),H=D(r,47,j,B),K=D(r,46,c,H);return K}var f=0;break
r}while(0);var Y=nr(r),G=D(r,43,c,Y);return G}while(0);var f;return f}function or(r){var
a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var v=Ae[e]<<24>>24==76;r:do if(v){if(Ae[i]<<24>>24==95)var
t=T(r,0),f=t;else{var _=N(r);if(0==(0|_)){var s=0;break}var n=33==(0|Se[_>>2]);do if(n){var
o=Se[_+4>>2];if(0==(0|Se[o+16>>2]))break;var l=r+48|0,b=Se[l>>2]-Se[o+4>>2]|0;Se[l>>2]=b}while(0);var
k=Se[a];if(Ae[k]<<24>>24==110){var u=k+1|0;Se[a]=u;var c=50,h=u}else var c=49,h=k;for(var h,c,d=h;){var
d,w=Ae[d];if(w<<24>>24==69)break;if(w<<24>>24==0){var s=0;break r}var p=d+1|0;Se[a]=p;var d=p}var
E=lr(r,h,d-h|0),A=D(r,c,_,E),f=A}var f,g=Se[a],y=g+1|0;Se[a]=y;var m=Ae[g]<<24>>24==69?f:0,s=m}else var
s=0;while(0);var s;return s}function lr(r,a,e){var i=J(r),v=m(i,a,e),t=0==(0|v)?0:i;return t}function br(r){var
a=r+12|0,e=Me[a>>2],i=ge[e],v=(i-48&255&255)<10;do if(v)var t=L(r),f=t;else if((i-97&255&255)<26){var
_=kr(r);if(0==(0|_)){var f=0;break}if(40!=(0|Se[_>>2])){var f=_;break}var
s=r+48|0,n=Se[Se[_+4>>2]+8>>2]+Se[s>>2]+7|0;Se[s>>2]=n;var f=_}else
if(i<<24>>24==67||i<<24>>24==68)var o=hr(r),f=o;else{if(i<<24>>24!=76){var f=0;break}Se[a>>2]=e+1|0;var
l=L(r);if(0==(0|l)){var f=0;break}var b=dr(r),k=0==(0|b)?0:l,f=k}while(0);var f;return f}function kr(r){var
a,e,a=(r+12|0)>>2,i=Se[a],v=i+1|0;Se[a]=v;var t=ge[i],f=i+2|0;Se[a]=f;var _=ge[v];do{if(t<<24>>24==118){if((_-
48&255&255)>=10){var s=49,n=0;e=6;break}var o=(_<<24>>24)-
48|0,l=L(r),b=ur(r,o,l),k=b;e=14;break}if(t<<24>>24==99){if(_<<24>>24!=118){var s=49,n=0;e=6;break}var
u=N(r),c=D(r,42,u,0),k=c;e=14;break}var s=49,n=0;e=6}while(0);r:do if(6==e){for(;;){var n,s,h=(s-
n)/2+n|0,d=(h<<4)+ri|0,w=Se[d>>2],p=Ae[w],E=t<<24>>24==p<<24>>24;if(E&&_<<24>>24==Ae[w+1|0]<<24>>
24)break;var A=t<<24>>24<p<<24>>24;do if(A)var
g=h,y=n;else{if(E&&_<<24>>24<Ae[w+1|0]<<24>>24){var g=h,y=n;break}var g=s,y=h+1|0}while(0);var
y,g;if((0|y)==(0|g)){var k=0;break r}var s=g,n=y}var m=cr(r,d),k=m}while(0);var k;return k}function ur(r,a,e){var
i=J(r),v=S(i,a,e),t=0==(0|v)?0:i;return t}function cr(r,a){var e=J(r);return

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0!=(0|e)&&(Se[e>>2]=40,Se[e+4>>2]=a),e}function hr(r){var a,e,i=Se[r+44>>2],e=i>>2,v=0==(0|i);do if(!v){var
t=Se[e];if(0==(0|t)){var f=r+48|0,Se[f>>2]+Se[e+2]|0;Se[f>>2]=_}else{if(21!=(0|t))break;var
s=r+48|0,n=Se[s>>2]+Se[e+2]|0;Se[s>>2]=n}while(0);var a=(r+12|0)>>2,o=Se[a],l=o+1|0;Se[a]=l;var
b=Ae[o]<<24>>24;do if(67==(0|b)){var k=o+2|0;Se[a]=k;var u=Ae[l]<<24>>24;if(49==(0|u))var c=1;else
if(50==(0|u))var c=2;else{if(51!=(0|u)){var h=0;break}var c=3}var c,d=wr(r,c,i),h=d}else if(68==(0|b)){var
w=o+2|0;Se[a]=w;var p=Ae[l]<<24>>24;if(48==(0|p))var E=1;else if(49==(0|p))var E=2;else{if(50!=(0|p)){var
h=0;break}var E=3}var E,A=pr(r,E,i),h=A}else var h=0;while(0);var h;return h}function dr(r){var
a=r+12|0,e=Se[a>>2];if(Ae[e]<<24>>24==95){var i=e+1|0;Se[a>>2]=i;var v=sr(r),t=v>>>31^1}else var t=1;var
t;return t}function wr(r,a,e){var i=J(r),v=M(i,a,e),t=0==(0|v)?0:i;return t}function pr(r,a,e){var
i=J(r),v=C(i,a,e),t=0==(0|v)?0:i;return t}function Er(r,a){var e=J(r);return
0!=(0|e)&&(Se[e>>2]=5,Se[e+4>>2]=a),e}function Ar(r){var a,a=(r+12|0)>>2,e=Se[a],i=Ae[e]<<24>>24;do
if(78==(0|i))var v=gr(r),t=v;else if(90==(0|i))var f=yr(r),t=f;else if(76==(0|i))var _=br(r),t=_;else
if(83==(0|i)){if(Ae[e+1|0]<<24>>24==116){var s=e+2|0;Se[a]=s;var
n=lr(r,0|He.__str152,3),o=br(r),l=D(r,1,n,o),b=r+48|0,k=Se[b>>2]+3|0;Se[b>>2]=k;var u=0,c=l}else var
h=V(r,0),u=1,c=h;var c,u;if(Ae[Se[a]]<<24>>24!=73){var t=c;break}if(0==(0|u)){var d=R(r,c);if(0==(0|d)){var
t=0;break}}var w=z(r),p=D(r,4,c,w),t=p}else{var E=br(r);if(Ae[Se[a]]<<24>>24!=73){var t=E;break}var
A=R(r,E);if(0==(0|A)){var t=0;break}var g=z(r),y=D(r,4,E,g),t=y}while(0);var t;return t}function gr(r){var
a,e=Oe;Oe+=4;var i=e,a=(r+12|0)>>2,v=Se[a],t=v+1|0;Se[a]=t;var f=Ae[v]<<24>>24==78;do if(f){var
_=I(r,i,1);if(0==(0|_)){var s=0;break}var n=mr(r);if(Se[_>>2]=n,0==(0|n)){var s=0;break}var
o=Se[a],l=o+1|0;if(Se[a]=l,Ae[o]<<24>>24!=69){var s=0;break}var s=Se[i>>2]}else var s=0;while(0);var s;return
Oe=e,s}function yr(r){var a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var v=Ae[e]<<24>>24==90;do if(v){var
t=O(r,0),f=Se[a],_=f+1|0;if(Se[a]=_,Ae[f]<<24>>24!=69){var s=0;break}if(Ae[_]<<24>>24==115){var
n=f+2|0;Se[a]=n;var o=dr(r);if(0==(0|o)){var s=0;break}var l=lr(r,0|He.__str168,14),b=D(r,2,t,l),s=b}else{var
k=Ar(r),u=dr(r);if(0==(0|u)){var s=0;break}var c=D(r,2,t,k),s=c} else var s=0;while(0);var s;return s}function
mr(r){var a,e=r+12|0,i=0;r:for(;;){var i,v=ge[Se[e>>2]];if(v<<24>>24==0){var t=0;break}var f=(v-
48&255&255)<10|(v-
97&255&255)<26;do if(!f){if(v<<24>>24==76||v<<24>>24==68||v<<24>>24==67){a=5;break}if(v<<24>>24==8
3){var _=V(r,1),s=_;a=10;break}if(v<<24>>24==73){if(0==(0|i)){var t=0;break}var
n=z(r),o=4,l=n;a=11;break}if(v<<24>>24==84){var b=x(r),s=b;a=10;break}if(v<<24>>24==69){var t=i;break
r}var t=0;break}a=5}while(0);do if(5==a){var k=br(r),s=k;a=10;break}while(0);do if(10==a){var
s;if(0==(0|i)){var u=s;a=12;break}var o=1,l=s;a=11;break}while(0);if(11==a)var l,o,c=D(r,o,i,l),u=c;var
u;if(v<<24>>24!=83)if(Ae[Se[e>>2]]<<24>>24!=69){var h=R(r,u);if(0==(0|h)){var t=0;break}var i=u}else var
i=u;else var i=u}var t;return t}function Sr(r,a){var e,i,v=Oe;Oe+=4;var
t=v,i=t>>2,e=(r+12|0)>>2,f=Se[e];if(Ae[f]<<24>>24==74){var _=f+1|0;Se[e]=_;var s=1}else var s=a;var
s;Se[i]=0;var n=s,o=0,l=t;r:for(;;)for(var l,o,n,b=n,k=o;){var
k,b,u=Ae[Se[e]];if(u<<24>>24==0||u<<24>>24==69){var c=Se[i];if(0==(0|c)){var h=0;break}var
d=0==(0|Se[c+8>>2]);do if(d){var w=Se[c+4>>2];if(33!=(0|Se[w>>2])){var p=c;break}var
E=Se[w+4>>2];if(9!=(0|Se[E+16>>2])){var p=c;break}var A=r+48|0,g=Se[A>>2]-
Se[E+4>>2]|0;Se[A>>2]=g,Se[i]=0;var p=0}else var p=c;while(0);var p,y=D(r,35,k,p),h=y;break}var
m=N(r);if(0==(0|m)){var h=0;break}if(0==(0|b)){var S=D(r,38,m,0);if(Se[l>>2]=S,0==(0|S)){var h=0;break}var
n=0,o=k,l=S+8|0;continue r}var b=0,k=m}var h;return Oe=v,h}function Mr(r){for(var a=r;;){var a;if(0==(0|a)){var
e=0;break}var i=Se[a>>2];if(1!=(0|i)&&2!=(0|i)){if(6==(0|i)||7==(0|i)||42==(0|i)){var e=1;break}var e=0;break}var
a=Se[a+8>>2]}var e;return e}function Cr(r){var
a=r>>2;Se[a+3]=0,Se[a+2]=0,Se[a+1]=0,Se[a]=0,Se[a+4]=0}function Rr(r,a){var
e,e=(r+12|0)>>2,i=Se[e],v=(Se[r+4>>2]-i|0)<(0|a);r:do if(v)var t=0;else{var f=i+a|0;Se[e]=f;var
_=0==(4&Se[r+8>>2]|0);do if(!_){if(Ae[f]<<24>>24!=36)break;var s=a+(i+1)|0;Se[e]=s}while(0);var n=(0|a)>9;do
if(n){var o=La(i,0|He.__str117,8);if(0!=(0|o))break;var
l=Ae[i+8|0];if(l<<24>>24!=46&&l<<24>>24!=95&&l<<24>>24!=36)break;if(Ae[i+9|0]<<24>>24!=78)break;var

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b=r+48|0,k=22-a+Se[b>>2]|0;Se[b>>2]=k;var u=lr(r,0)He.__str169,21,t=u;break r}while(0);var
c=lr(r,i,a),t=c}while(0);var t;return t}function Tr(r){var a,e,e=(r+48|0)>>2,i=Se[e],v=i+20|0;Se[e]=v;var
a=(r+12|0)>>2,t=Se[a],f=t+1|0;Se[a]=f;var _=Ae[t];do if(<<24>>24==84){var s=t+2|0;Se[a]=s;var
n=Ae[f]<<24>>24;if(86==(0|n)){var o=i+15|0;Se[e]=o;var l=N(r),b=D(r,8,1,0),k=b}else if(84==(0|n)){var
u=i+10|0;Se[e]=u;var c=N(r),h=D(r,9,c,0),k=h}else if(73==(0|n))var d=N(r),w=D(r,11,d,0),k=w;else
if(83==(0|n))var p=N(r),E=D(r,12,p,0),k=E;else if(104==(0|n)){var A=Nr(r,104);if(0==(0|A)){var k=0;break}var
g=O(r,0),y=D(r,14,g,0),k=y}else if(118==(0|n)){var m=Nr(r,118);if(0==(0|m)){var k=0;break}var
S=O(r,0),M=D(r,15,S,0),k=M}else if(99==(0|n)){var C=Nr(r,0);if(0==(0|C)){var k=0;break}var
R=Nr(r,0);if(0==(0|R)){var k=0;break}var T=O(r,0),I=D(r,16,T,0),k=I}else if(67==(0|n)){var
P=N(r),L=sr(r);if((0|L)<0){var k=0;break}var F=Se[a],X=F+1|0;if(Se[a]=X,Ae[F]<<24>>24!=95){var
k=0;break}var j=N(r),U=Se[e]+5|0;Se[e]=U;var x=D(r,10,j,P),k=x}else if(70==(0|n))var
z=N(r),V=D(r,13,z,0),k=V;else if(74!=(0|n)){var k=0;break}var B=N(r),H=D(r,17,B,0),k=H}else
if(<<24>>24==71){var K=t+2|0;Se[a]=K;var Y=Ae[f]<<24>>24;if(86==(0|Y))var
G=Ar(r),W=D(r,18,G,0),k=W;else if(82==(0|Y))var Z=Ar(r),Q=D(r,19,Z,0),k=Q;else if(65!=(0|Y)){var
k=0;break}var q=O(r,0),$=D(r,20,q,0),k=$}else var k=0;while(0);var k;return k}function Or(r){for(var
a,e,r,a=e>>2;){var e;if(0==(0|e)){var i=0;break}var v=Se[a];if(4==(0|v)){var
t=Se[a+1],f=Mr(t),i=0==(0|f)&1;break}if(25!=(0|v)&&26!=(0|v)&&27!=(0|v)){var i=0;break}var
e=Se[a+1],a=e>>2}var i;return i}function Nr(r,a){var e;if(0==(0|a)){var
i=r+12|0,v=Se[i>>2],t=v+1|0;Se[i>>2]=t;var f=Ae[v]<<24>>24}else var f=a;var f;do{if(104==(0|f)){var
_=(sr(r),r+12|0);e=7;break}if(118==(0|f)){var
s=(sr(r),r+12|0),n=Se[s>>2],o=n+1|0;if(Se[s>>2]=o,Ae[n]<<24>>24!=95){var l=0;e=8;break}var
_=(sr(r),s);e=7;break}var l=0;e=8}while(0);if(7==e){var _,b=Se[_>>2],k=b+1|0;Se[_>>2]=k;var
l=Ae[b]<<24>>24==95&1}var l;return l}function Ir(r){var a,e,i=r>>2,v=Oe;Oe+=56;var
t,f=v,_,v+=8,s=v+16,n=v+36,e=(0|r)>>2,o=Se[e],l=0==(8192&o|0);r:do{if(l){var
a=(r+12|0)>>2,b=Se[a];if(Ae[b]<<24>>24!=63){var k=0;t=111;break}var u=b+1|0;Se[a]=u;var c=Ae[u];do
if(c<<24>>24==63){if(Ae[b+2|0]<<24>>24==36){var h=b+3|0;if(Ae[h]<<24>>24!=63){var
d=5;t=90;break}Se[a]=h;var w=6,p=h}else var w=0,p=u;var p,w,E=p+1|0;Se[a]=E;var A=Ae[E]<<24>>24;do
if(48==(0|A)){var g=1;t=81}else if(49==(0|A)){var g=2;t=81;break}if(50!=(0|A)){if(51==(0|A)){var
y=0|He.__str2172,m=E;t=82;break}if(52==(0|A)){var y=0|He.__str3173,m=E;t=82;break}if(53==(0|A)){var
y=0|He.__str4174,m=E;t=82;break}if(54==(0|A)){var y=0|He.__str5175,m=E;t=82;break}if(55==(0|A)){var
y=0|He.__str6176,m=E;t=82;break}if(56==(0|A)){var y=0|He.__str7177,m=E;t=82;break}if(57==(0|A)){var
y=0|He.__str8178,m=E;t=82;break}if(65==(0|A)){var
y=0|He.__str9179,m=E;t=82;break}if(66==(0|A)){Se[a]=p+2|0;var
S=0|He.__str10180,M=3;t=88;break}if(67==(0|A)){var y=0|He.__str11181,m=E;t=82;break}if(68==(0|A)){var
y=0|He.__str12182,m=E;t=82;break}if(69==(0|A)){var y=0|He.__str13183,m=E;t=82;break}if(70==(0|A)){var
y=0|He.__str14184,m=E;t=82;break}if(71==(0|A)){var y=0|He.__str15185,m=E;t=82;break}if(72==(0|A)){var
y=0|He.__str16186,m=E;t=82;break}if(73==(0|A)){var y=0|He.__str17187,m=E;t=82;break}if(74==(0|A)){var
y=0|He.__str18188,m=E;t=82;break}if(75==(0|A)){var y=0|He.__str19189,m=E;t=82;break}if(76==(0|A)){var
y=0|He.__str20190,m=E;t=82;break}if(77==(0|A)){var y=0|He.__str21191,m=E;t=82;break}if(78==(0|A)){var
y=0|He.__str22192,m=E;t=82;break}if(79==(0|A)){var y=0|He.__str23193,m=E;t=82;break}if(80==(0|A)){var
y=0|He.__str24194,m=E;t=82;break}if(81==(0|A)){var y=0|He.__str25195,m=E;t=82;break}if(82==(0|A)){var
y=0|He.__str26196,m=E;t=82;break}if(83==(0|A)){var y=0|He.__str27197,m=E;t=82;break}if(84==(0|A)){var
y=0|He.__str28198,m=E;t=82;break}if(85==(0|A)){var y=0|He.__str29199,m=E;t=82;break}if(86==(0|A)){var
y=0|He.__str30200,m=E;t=82;break}if(87==(0|A)){var y=0|He.__str31201,m=E;t=82;break}if(88==(0|A)){var
y=0|He.__str32202,m=E;t=82;break}if(89==(0|A)){var y=0|He.__str33203,m=E;t=82;break}if(90==(0|A)){var
y=0|He.__str34204,m=E;t=82;break}if(95==(0|A)){var C=p+2|0;Se[a]=C;var
R=Ae[C]<<24>>24;if(48==(0|R)){var y=0|He.__str35205,m=C;t=82;break}if(49==(0|R)){var
y=0|He.__str36206,m=C;t=82;break}if(50==(0|R)){var y=0|He.__str37207,m=C;t=82;break}if(51==(0|R)){var

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y=0|He.__str38208,m=C;t=82;break}if(52==(0|R)){var y=0|He.__str39209,m=C;t=82;break}if(53==(0|R)){var y=0|He.__str40210,m=C;t=82;break}if(54==(0|R)){var y=0|He.__str41211,m=C;t=82;break}if(55==(0|R)){var y=0|He.__str42212,m=C;t=82;break}if(56==(0|R)){var y=0|He.__str43213,m=C;t=82;break}if(57==(0|R)){var y=0|He.__str44214,m=C;t=82;break}if(65==(0|R)){var y=0|He.__str45215,m=C;t=82;break}if(66==(0|R)){var y=0|He.__str46216,m=C;t=82;break}if(67==(0|R)){Se[a]=p+3|0;var T=0|He.__str47217;t=84;break}if(68==(0|R)){var y=0|He.__str48218,m=C;t=82;break}if(69==(0|R)){var y=0|He.__str49219,m=C;t=82;break}if(70==(0|R)){var y=0|He.__str50220,m=C;t=82;break}if(71==(0|R)){var y=0|He.__str51221,m=C;t=82;break}if(72==(0|R)){var y=0|He.__str52222,m=C;t=82;break}if(73==(0|R)){var y=0|He.__str53223,m=C;t=82;break}if(74==(0|R)){var y=0|He.__str54224,m=C;t=82;break}if(75==(0|R)){var y=0|He.__str55225,m=C;t=82;break}if(76==(0|R)){var y=0|He.__str56226,m=C;t=82;break}if(77==(0|R)){var y=0|He.__str57227,m=C;t=82;break}if(78==(0|R)){var y=0|He.__str58228,m=C;t=82;break}if(79==(0|R)){var y=0|He.__str59229,m=C;t=82;break}if(82==(0|R)){var O=4|0;Se[e]=O;var N=p+3|0;Se[a]=N;var I=Ae[N]<<24>>24;if(48==(0|I)){Se[a]=p+4|0,Cr(s);var P=(Pr(r,_,s,0),Se[_>>2]),D=Se[_+4>>2],L=Dr(r,0|He.__str60230,(ne=Oe,Oe+=8,Se[ne>>2]=P,Se[ne+4>>2]=D,ne),F=Se[a]-1|0;Se[a]=F;var y=L,m=F;t=82;break}if(49==(0|I)){Se[a]=p+4|0;var X=Lr(r),j=Lr(r),U=Lr(r),x=Lr(r),z=Se[a]-1|0;Se[a]=z;var V=Dr(r,0|He.__str61231,(ne=Oe,Oe+=16,Se[ne>>2]=X,Se[ne+4>>2]=j,Se[ne+8>>2]=U,Se[ne+12>>2]=x,ne)),y=V,m=Se[a];t=82;break}if(50==(0|I)){var y=0|He.__str62232,m=N;t=82;break}if(51==(0|I)){var y=0|He.__str63233,m=N;t=82;break}if(52==(0|I)){var y=0|He.__str64234,m=N;t=82;break}var y=0,m=N;t=82;break}if(83==(0|R)){var y=0|He.__str65235,m=C;t=82;break}if(84==(0|R)){var y=0|He.__str66236,m=C;t=82;break}if(85==(0|R)){var y=0|He.__str67237,m=C;t=82;break}if(86==(0|R)){var y=0|He.__str68238,m=C;t=82;break}if(88==(0|R)){var y=0|He.__str69239,m=C;t=82;break}if(89==(0|R)){var y=0|He.__str70240,m=C;t=82;break}var k=0;t=111;break}var k=0;t=111;break}var y=0|He.__str1171,m=E;t=82}while(0);do{if(81==t){var g;Se[a]=p+2|0;var B=g;t=83;break}if(82==t){var m,y;if(Se[a]=m+1|0,1==(0|w)||2==(0|w)){var B=w;t=83;break}if(4==(0|w)){var T=y;t=84;break}if(6!=(0|w)){var S=y,M=w;t=88;break}Cr(n);var H=Xr(r,n,0,60,62);if(0==(0|H))var K=y;else var Y=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=y,Se[ne+4>>2]=H,ne)),K=Y;var K;Se[i+6]=0;var S=K,M=w;t=88;break}}while(0);if(83==t){var B,G=r+40|0,W=Fr(r,0|He.__symbol_demangle_dashed_null,-1,G);if(0==(0|W)){var k=0;t=111;break}var d=B;t=90;break}if(84==t){var T;Se[i+4]=T;var Z=1,Q=T;t=109;break}if(88==t){var M,S,q=r+40|0,\$=Fr(r,S,-1,q);if(0==(0|\$)){var k=0;t=111;break}var d=M;t=90;break}if(c<<24>>24==36){var J=b+2|0;Se[a]=J;var rr=jr(r);Se[i+4]=rr;var ar=0!=(0|rr)&1;t=107;break}var d=0;t=90}while(0);if(90==t){var d,er=Me[a],ir=Ae[er]<<24>>24;if(64==(0|ir))Se[a]=er+1|0;else if(36==(0|ir))t=93;else{var vr=Zr(r);if(0==(0|vr)){var k=-1;t=111;break}if(5==(0|d)){var tr=r+20|0,fr=Se[tr>>2]+1|0;Se[tr>>2]=fr}else if(1==(0|d)||2==(0|d)){if(Me[i+11]>>>0<2){var k=-1;t=111;break}var _r=r+56|0,sr=Me[_r>>2],nr=Se[sr+4>>2];if(1==(0|d))Se[sr>>2]=nr;else{var or=Dr(r,0|He.__str71241,(ne=Oe,Oe+=4,Se[ne>>2]=nr,ne)),lr=Se[_r>>2];Se[lr>>2]=or}var br=4|Se[e];Se[e]=br}else if(3==(0|d)){var kr=Se[e]&-5;Se[e]=kr}var ur=ge[Se[a]];if((ur-48&255&255)<10)var cr=Vr(r),ar=cr;else if((ur-65&255&255)<26)var hr=Br(r,3==(0|d)&1),ar=hr;else{if(ur<<24>>24!=36){var k=-1;t=111;break}var dr=Hr(r),ar=dr}var ar;if(0==(0|ar)){var k=-1;t=111;break}var Z=ar,Q=Se[i+4];t=109;break}var wr=Pr(r,f,0,0);if(0==(0|wr)){var k=-1;t=111;break}var pr=Se[f>>2],Er=Se[f+4>>2],Ar=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=pr,Se[ne+4>>2]=Er,ne));Se[i+4]=Ar;var Z=1,Q=Ar;t=109;break}while(0);do{if(109==t){var Q,Z;if(0!=(0|Q)){var k=Z;break}Xa(0|He.__str72242,1499,0|He.__func__symbol_demangle,0|He.__str73243);var k=Z}while(0);var k;return Oe=v,k}function Pr(r,a,e,i){var v,t,f,_=Oe;Oe+=24;var s=_,n=_+4,o=_+8,l=_+16,b=_+20;0==(0|a)&&Xa(0|He.__str72242,829,0|He.__func__demangle_datatype,0|He.__str121291);var f=(a+4|0)>>2;Se[f]=0;var t=(0|a)>>2;Se[t]=0;var v=(r+12|0)>>2,k=Me[v],u=k+1|0;Se[v]=u;var c=Ae[k],h=c<<24>>24;do{if(95==(0|h)){Se[v]=k+2|0;var d=Ae[u],w=Zr(d);Se[t]=w}else

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if(67==(0|h)||68==(0|h)||69==(0|h)||70==(0|h)||71==(0|h)||72==(0|h)||73==(0|h)||74==(0|h)||75==(0|h)||77==(0|h)||78=
==(0|h)||79==(0|h)||88==(0|h)||90==(0|h))){ var p=Qr(c);Se[t]=p} else
if(84==(0|h)||85==(0|h)||86==(0|h)||89==(0|h)){ var E=qr(r);if(0==(0|E))break;var A=0==(32768&Se[r>>2]|0);do
if(A)if(84==(0|h))var g=0|He.__str122292;else if(85==(0|h))var g=0|He.__str123293;else if(86==(0|h))var
g=0|He.__str124294;else {if(89!=(0|h)){ var g=0;break } var g=0|He.__str125295} else var g=0;while(0);var
g,y=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=g,Se[ne+4>>2]=E,ne));Se[t]=y} else
if(63==(0|h))if(0==(0|i))$(a,r,e,63,0);else { var m=Lr(r);if(0==(0|m))break;var
S=Dr(r,0|He.__str126296,(ne=Oe,Oe+=4,Se[ne>>2]=m,ne));Se[t]=S} else if(65==(0|h)||66==(0|h))$(a,r,e,c,i);else
if(81==(0|h)||82==(0|h)||83==(0|h)){ var M=0==(0|i)?80:c;$(a,r,e,M,i)} else if(80==(0|h))if(((Ae[u]<<24>>24)-
48|0)>>>0<10){ var C=k+2|0;if(Se[v]=C,Ae[u]<<24>>24!=54)break;var R=r+44|0,T=Se[R>>2];Se[v]=k+3|0;var
O=Ae[C],N=Se[r>>2]&&-17,I=Ur(O,s,n,N);if(0==(0|I))break;var P=Pr(r,o,e,0);if(0==(0|P))break;var
D=Xr(r,e,1,40,41);if(0==(0|D))break;Se[R>>2]=T;var
L=Se[o>>2],F=Se[o+4>>2],X=Se[s>>2],j=Dr(r,0|He.__str127297,(ne=Oe,Oe+=12,Se[ne>>2]=L,Se[ne+4>>2]=F,S
e[ne+8>>2]=X,ne));Se[t]=j;var U=Dr(r,0|He.__str128298,(ne=Oe,Oe+=4,Se[ne>>2]=D,ne));Se[f]=U} else
$(a,r,e,80,i);else if(87==(0|h)){ if(Ae[u]<<24>>24!=52)break;Se[v]=k+2|0;var
x=qr(r);if(0==(0|x))break;if(0==(32768&Se[r>>2]|0)){ var
z=Dr(r,0|He.__str129299,(ne=Oe,Oe+=4,Se[ne>>2]=x,ne));Se[t]=z} else Se[t]=x} else
if(48==(0|h)||49==(0|h)||50==(0|h)||51==(0|h)||52==(0|h)||53==(0|h)||54==(0|h)||55==(0|h)||56==(0|h)||57==(0|h)){ var
V=h<<1,B=V-96|0,H=Yr(e,B);Se[t]=H;var K=V-95|0,Y=Yr(e,K);Se[f]=Y} else if(36==(0|h)){ var
G=k+2|0;Se[v]=G;var W=Ae[u]<<24>>24;if(48==(0|W)){ var Z=Lr(r);Se[t]=Z} else if(68==(0|W)){ var
Q=Lr(r);if(0==(0|Q))break;var q=Dr(r,0|He.__str130300,(ne=Oe,Oe+=4,Se[ne>>2]=Q,ne));Se[t]=q} else
if(70==(0|W)){ var $=Lr(r);if(0==(0|$))break;var J=Lr(r);if(0==(0|J))break;var
rr=Dr(r,0|He.__str131301,(ne=Oe,Oe+=8,Se[ne>>2]=$,Se[ne+4>>2]=J,ne));Se[t]=rr} else if(71==(0|W)){ var
ar=Lr(r);if(0==(0|ar))break;var er=Lr(r);if(0==(0|er))break;var ir=Lr(r);if(0==(0|ir))break;var
vr=Dr(r,0|He.__str132302,(ne=Oe,Oe+=12,Se[ne>>2]=ar,Se[ne+4>>2]=er,Se[ne+8>>2]=ir,ne));Se[t]=vr} else
if(81==(0|W)){ var tr=Lr(r);if(0==(0|tr))break;var
fr=Dr(r,0|He.__str133303,(ne=Oe,Oe+=4,Se[ne>>2]=tr,ne));Se[t]=fr} else { if(36!=(0|W))break;if(Ae[G]<<24>>24!=
67)break;Se[v]=k+3|0;var _r=xr(r,l,b);if(0==(0|_r))break;var sr=Pr(r,a,e,i);if(0==(0|sr))break;var
nr=Se[t],or=Se[l>>2],lr=Dr(r,0|He.__str83253,(ne=Oe,Oe+=8,Se[ne>>2]=nr,Se[ne+4>>2]=or,ne));Se[t]=lr} } while(
0);var br=0!=(0|Se[t])&1;return Oe=_,br} function Dr(r,a) { var e,i=Oe;Oe+=4;var
v=i,e=v>>2,t=v;Se[t>>2]=arguments[Dr.length];var f=1, _=0;r:for(;;) { var
_,f,s=Ae[a+_|0];do { if(s<<24>>24==0)break r;if(s<<24>>24==37) { var
n=_+1|0,o=Ae[a+n|0]<<24>>24;if(115==(0|o)) { var l=Se[e],b=1,k=l+4|0;Se[e]=k;var u=Se[b>>2];if(0==(0|u)) { var
c=f,h=n;break } var d=Ca(u),c=d+f|0,h=n;break } if(99==(0|o)) { var w=Se[e]+4|0;Se[e]=w;var
c=f+1|0,h=n;break } if(37==(0|o))var p=n;else var p=_;var p,c=f+1|0,h=p} else var c=f+1|0,h=_} while(0);var
h,c,f=c,_=h+1|0} var E=WTr(r,f);if(0==(0|E))var A=0;else { Se[t>>2]=arguments[Dr.length];var g=E,y=0;r:for(;;) { var
y,g,m=Ae[a+y|0];do { if(m<<24>>24==0)break r;if(m<<24>>24==37) { var
S=y+1|0,M=Ae[a+S|0]<<24>>24;if(115==(0|M)) { var C=Se[e],R=C,T=C+4|0;Se[e]=T;var
O=Se[R>>2];if(0==(0|O)) { var N=g,I=S;break } var P=Ca(O);Pa(g,O,P,1);var N=g+P|0,I=S;break } if(99==(0|M)) { var
D=Se[e],L=D,F=D+4|0;Se[e]=F,Ae[g]=255&Se[L>>2];var N=g+1|0,I=S;break } if(37==(0|M))var X=S;else var
X=y;var X;Ae[g]=37;var N=g+1|0,I=X} else { Ae[g]=m;var N=g+1|0,I=y} } while(0);var
I,N,g=N,y=I+1|0} Ae[g]=0;var A=E} var A;return Oe=i,A} function Lr(r) { var
a,a=(r+12|0)>>2,e=Se[a],i=Ae[e];if(i<<24>>24==63) { var v=e+1|0;Se[a]=v;var t=1,f=v, _=Ae[v]} else var
t=0,f=e,_=i;var _,f,t,s=(-48&255&255)<9;do { if(s) { var n=WTr(r,3),o=0!=(0|t);o&&(Ae[n]=45);var
l=Ae[Se[a]+1&255];Ae[n+t|0]=l;var b=o?2:1;\nAe[n+b|0]=0;var k=Se[a]+1|0;Se[a]=k;var u=n} else
if(_<<24>>24==57) { var c=WTr(r,4),h=0!=(0|t);h&&(Ae[c]=45),Ae[c+t|0]=49;var d=h?2:1;Ae[c+d|0]=48;var
w=h?3:2;Ae[c+w|0]=0;var p=Se[a]+1|0;Se[a]=p;var u=c} else { if((-65&255&255)>=16) { var u=0;break } for(var
E=0,A=f;;) { var A,E,g=A+1|0;Se[a]=g;var y=(Ae[A]<<24>>24)+((E<<4)-65)|0,m=ge[g];if((m-

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65&255&255)>=16)break;var E=y,A=g}if(m<<24>>24!=64){var u=0;break}var
S=W(r,17),M=O!==(0t)?0|He.__str119289:0|ii,C=(za(S,0|He.__str118288,(ne=Oe,Oe+=8,Se[ne>>2]=M,Se[ne+4>>
2]=y,ne)),Se[a]+1|0);Se[a]=C;var u=S}while(0);var u;return u}function Fr(r,a,e,i){var
v,t,f,_;0==(0a)&&Xa(0|He.__str72242,212,0|He.__func__str_array_push,0|He.__str115285),0==(0j)&&Xa(0|He
.__str72242,213,0|He.__func__str_array_push,0|He.__str116286);var
f=(i+12|0)>>2,s=Me[f],n=0==(0s);do{if(n){Se[f]=32;var o=W(r,128);if(0==(0o)){var
l=0;_=17;break}Se[i+16>>2]=o,_=11;break}if(Me[i+8>>2]>>>0<s>>>0){_=11;break}var
b=s<<3,k=W(r,b);if(0==(0k)){var l=0;_=17;break}var u=k,c=i+16|0,h=Se[c>>2],d=Se[f]<<2;Pa(k,h,d,1);var
w=Se[f]<<1;Se[f]=w,Se[c>>2]=u,_=11;break}while(0);do if(11==_)if((0e)===-1)var p=Ca(a),E=p;else var E=e;var
E,A=ja(a),g=E+1|0,y=W(r,g),t=(i+4|0)>>2,v=(i+16|0)>>2,m=(Se[t]<<2)+Se[v]|0;Se[m>>2]=y;var
S=Se[Se[v]+(Se[t]<<2)>>2];if(0==(0S)){Xa(0|He.__str72242,233,0|He.__func__str_array_push,0|He.__str11728
7);var M=Se[Se[v]+(Se[t]<<2)>>2]}else var M=S;var
M;Pa(M,A,E,1),va(A),Ae[Se[Se[v]+(Se[t]<<2)>>2]+g|0]=0;var C=Se[t+1|0;Se[t]=C;var
R=i+8|0;if(C>>>0<Me[R>>2]>>>0){var l=1;break}Se[R>>2]=C;var l=1}while(0);var l;return l}function
Xr(r,a,e,i,v){var t,f,_=Oe;Oe+=28;var s,n=_o_+8;Cr(o);var f=(r+12|0)>>2,l=0==(0e),t=(0n)>>2,b=n+4|0;r:do
if(l)for(;;){var k=Se[f],u=Ae[k];if(u<<24>>24==0){s=12;break r}if(u<<24>>24==64){var c=k;s=7;break r}var
h=Pr(r,n,a,1);if(0==(0h)){var d=0;s=25;break r}var
w=Se[t],p=Se[b>>2],E=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=w,Se[ne+4>>2]=p,ne)),A=Fr(r,E,-
1,o);if(0==(0A)){var d=0;s=25;break r}var g=Se[t],y=Da(g,0|He.__str110280);if(0==(0y)){s=12;break r}}else
for(;;){var m=Se[f],S=Ae[m];if(S<<24>>24==0){s=12;break r}if(S<<24>>24==64){var c=m;s=7;break r}var
M=Pr(r,n,a,1);if(0==(0M)){var d=0;s=25;break r}var C=Se[t],R=Da(C,0|He.__str84254);if(0==(0R)){s=13;break
r}var T=Se[b>>2],O=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=C,Se[ne+4>>2]=T,ne)),N=Fr(r,O,-
1,o);if(0==(0N)){var d=0;s=25;break r}var I=Se[t],P=Da(I,0|He.__str110280);if(0==(0P)){s=12;break
r}}while(0);do if(7==s){var c;Se[f]=c+1|0,s=12;break}while(0);do
if(12==s){if(l){s=14;break}s=13;break}while(0);do if(13==s){var
D=Se[f],L=D+1|0;if(Se[f]=L,Ae[D]<<24>>24==90){s=14;break}var d=0;s=25;break}while(0);r:do if(14==s){var
F=o+4|0,X=Me[F>>2];do{if(0!=(0X)){if(1==(0X)){var
j=o+16|0,U=Se[Se[j>>2]>>2],x=Da(U,0|He.__str84254);if(0==(0x)){s=17;break}var z=j;s=20;break}var
V=o+16|0;if(X>>>0<=1){var z=V;s=20;break}for(var B=0,H=1;){var
H,B,K=Se[Se[V>>2]+(H<<2)>>2],Y=Dr(r,0|He.__str112282,(ne=Oe,Oe+=8,Se[ne>>2]=B,Se[ne+4>>2]=K,ne)),G
=H+1|0;if(G>>>0=Me[F>>2]>>>0)break;var B=Y,H=G}if(0==(0Y)){var z=V;s=20;break}var
W=Y,Z=Y;s=21;break}s=17}while(0);if(17==s){var
Q=i<<24>>24,q=v<<24>>24,$=Dr(r,0|He.__str111281,(ne=Oe,Oe+=8,Se[ne>>2]=Q,Se[ne+4>>2]=q,ne)),d=$;brea
k}if(20==s)var z,W=Se[Se[z>>2]>>2],Z=0;var Z,W,J=v<<24>>24,rr=v<<24>>24==62;do if(rr){var
ar=Ca(W);if(Ae[W+(ar-1)|0]<<24>>24!=62)break;var
er=i<<24>>24,ir=Se[Se[o+16>>2]>>2],vr=Dr(r,0|He.__str113283,(ne=Oe,Oe+=16,Se[ne>>2]=er,Se[ne+4>>2]=ir,
Se[ne+8>>2]=Z,Se[ne+12>>2]=J,ne)),d=vr;break r}while(0);var
tr=i<<24>>24,fr=Se[Se[o+16>>2]>>2],_r=Dr(r,0|He.__str114284,(ne=Oe,Oe+=16,Se[ne>>2]=tr,Se[ne+4>>2]=fr,S
e[ne+8>>2]=Z,Se[ne+12>>2]=J,ne)),d=_r}while(0);var d;return Oe=_d}function jr(r){var a,e=Oe;Oe+=20;var
i=e,v=r+24|0,t=Se[v>>2],a=(r+20|0)>>2,f=Se[a],_r=r+44|0,s=Se[_>>2];Se[a]=t;var n=Kr(r);if(0==(0n))var
o=0;else{Cr(i);var l=Xr(r,i,0,60,62);if(0==(0l))var b=n;else var
k=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=n,Se[ne+4>>2]=l,ne)),b=k;var
b;Se[v>>2]=t,Se[a]=f,Se[_>>2]=s;var o=b}var o;return Oe=e,o}function Ur(r,a,e,i){var
v,t,a>>2;Se[e>>2]=0,Se[t]=0;var f=0==(18&i|0);do{if(f){var _r<<24>>24,s=1==((-
65)%2|0);if(0==(1&i|0)){if(s?Se[e>>2]=0|He.__str95265:v=14,65==(0_|)||66==(0_|){Se[t]=0|He.__str96266,v=21;
break}if(67==(0_|)||68==(0_|){Se[t]=0|He.__str97267,v=21;break}if(69==(0_|)||70==(0_|){Se[t]=0|He.__str98268,
v=21;break}if(71==(0_|)||72==(0_|){Se[t]=0|He.__str99269,v=21;break}if(73==(0_|)||74==(0_|){Se[t]=0|He.__str
100270,v=21;break}if(75==(0_|)||76==(0_|){v=21;break}if(77==(0_|){Se[t]=0|He.__str101271,v=21;break}var
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n=0;v=22;break }if(s?Se[e>>2]=0|He.__str88258:v=5,65==(0|_)||66==(0|_)){Se[t]=0|He.__str89259,v=21;break }if(6
7==(0|_)||68==(0|_)){Se[t]=0|He.__str90260,v=21;break }if(69==(0|_)||70==(0|_)){Se[t]=0|He.__str91261,v=21;brea
k }if(71==(0|_)||72==(0|_)){Se[t]=0|He.__str92262,v=21;break }if(73==(0|_)||74==(0|_)){Se[t]=0|He.__str93263,v=2
1;break }if(75==(0|_)||76==(0|_)){v=21;break }if(77==(0|_)){Se[t]=0|He.__str94264,v=21;break }var
n=0;v=22;break }v=21 }while(0);if(21==v)var n=1;var n;return n }function xr(r,a,e){ var i;Se[e>>2]=0;var
i=(r+12|0)>>2,v=Se[i];if(Ae[v]<<24>>24==69){Se[e>>2]=0|He.__str102272;var t=Se[i]+1|0;Se[i]=t;var f=t}else
var f=v;var f;Se[i]=f+1|0;var _=Ae[f]<<24>>24;if(65==(0|_)){Se[a>>2]=0;var s=1 }else
if(66==(0|_)){Se[a>>2]=0|He.__str103273;var s=1 }else if(67==(0|_)){Se[a>>2]=0|He.__str104274;var s=1 }else
if(68==(0|_)){Se[a>>2]=0|He.__str105275;var s=1 }else var s=0;var s;return s }function zr(r){ var
a,e,a=(r+12|0)>>2,i=r+40|0,v=r+20|0,t=0|i,f=r+44|0,_=r+48|0,s=r+52|0,n=r+56|0,o=r+20|0,l=r+24|0,b=r+16|0,k=0;r:
for(;;){ var k,u=Se[a],c=Ae[u];if(c<<24>>24==64){ var h=u+1|0;Se[a]=h;var d=1;break }var
w=c<<24>>24;do {if(0==(0|w)){ var d=0;break
r }if(48==(0|w)||49==(0|w)||50==(0|w)||51==(0|w)||52==(0|w)||53==(0|w)||54==(0|w)||55==(0|w)||56==(0|w)||57==(0|
w)){ var p=u+1|0;Se[a]=p;var E=(Ae[u]<<24>>24)-48|0,A=Yr(v,E),g=A,e=14;break }if(63==(0|w)){ var
y=u+1|0;Se[a]=y;var m=Ae[y]<<24>>24;if(36==(0|m)){ var S=u+2|0;Se[a]=S;var M=jr(r);if(0==(0|M)){ var
d=0;break r }var C=Fr(r,M,-1,v);if(0==(0|C)){ var d=0;break r }var R=M;e=15;break }if(63==(0|m)){ var
T=Se[t>>2],O=Se[f>>2],N=Se[_>>2],I=Se[s>>2],P=Se[n>>2],D=Se[o>>2],L=Se[l>>2];Cr(i);var
F=Ir(r);if(0==(0|F))var X=k;else var
j=Se[b>>2],U=Dr(r,0|He.__str109279,(ne=Oe,Oe+=4,Se[ne>>2]=j,ne)),X=U;var
X;Se[o>>2]=D,Se[l>>2]=L,Se[t>>2]=T,Se[f>>2]=O,Se[_>>2]=N,Se[s>>2]=I,Se[n>>2]=P;var g=X;e=14;break }var
x=Lr(r);if(0==(0|x)){ var d=0;break r }var
z=Dr(r,0|He.__str109279,(ne=Oe,Oe+=4,Se[ne>>2]=x,ne)),g=z;e=14;break }var
V=Kr(r),g=V;e=14;break }while(0);if(14==e){ var g;if(0==(0|g)){ var d=0;break }var R=g }var R,B=Fr(r,R,-
1,i);if(0==(0|B)){ var d=0;break }var k=R }var d;return d }function Vr(r){ var a,e,i,v=Oe;Oe+=36;var
t,f=v,i=f>>2,_=v+4,s=v+8,e=s>>2,n=v+16;Se[i]=0;var o=0|r,l=Se[o>>2],b=0==(128&l|0),k=r+12|0;do if(b){ var
u=Ae[Se[k>>2]]<<24>>24;if(48==(0|u))var c=0|He.__str76246,h=k,a=h>>2;else if(49==(0|u))var
c=0|He.__str77247,h=k,a=h>>2;else {if(50!=(0|u)){ var c=0,h=k,a=h>>2;break }var
c=0|He.__str78248,h=k,a=h>>2 } else var c=0,h=k,a=h>>2;while(0);var h,c,d=0==(512&l|0);do if(d){ if((Ae[Se[a]-
48&255&255]>=3){ var w=0;break }var w=0|He.__str79249 }else var w=0;while(0);var
w,p=Gr(r,0),E=Se[a],A=E+1|0;Se[a]=A;var
g=Ae[E]<<24>>24;do {if(48==(0|g)||49==(0|g)||50==(0|g)||51==(0|g)||52==(0|g)||53==(0|g)){ var
y=r+44|0,m=Se[y>>2];Cr(n);var S=Pr(r,s,n,0);if(0==(0|S)){ var M=0;t=28;break }var C=xr(r,f,_);if(0==(0|C)){ var
M=0;t=28;break }var R=Se[i],T=0==(0|R),O=Se[_>>2];do if(T)Se[i]=O;else {if(0==(0|O))break;var
N=Dr(r,0|He.__str83253,(ne=Oe,Oe+=8,Se[ne>>2]=R,Se[ne+4>>2]=O,ne));Se[i]=N }while(0);Se[y>>2]=m,t=22;br
eak }if(54==(0|g)||55==(0|g)){ var I=s+4|0;Se[I>>2]=0,Se[e]=0;var P=xr(r,f,_);if(0==(0|P)){ var
M=0;t=28;break }if(Ae[Se[a]]<<24>>24==64){ t=22;break }var D=qr(r);if(0==(0|D)){ var M=0;t=28;break }var
L=Dr(r,0|He.__str107277,(ne=Oe,Oe+=4,Se[ne>>2]=D,ne));Se[l>>2]=L,t=22;break }if(56==(0|g)||57==(0|g)){ Se[e
+1]=0,Se[e]=0,Se[i]=0,t=22;break }var M=0;t=28 }while(0);if(22==t){ var F=0==(4096&Se[o>>2]|0);do {if(F){ var
X=Se[e],j=Se[i];if(0==(0|j)){ var U=X;t=26;break }var
x=0!=(0|X)?0|He.__str87257:0,z=0|He.__str87257,V=j,B=x,H=X;t=27;break }Se[i]=0,Se[e+1]=0,Se[e]=0;var
U=0;t=26;break }while(0);if(26==t)var U,K=0!=(0|U)?0|He.__str87257:0,z=K,V=0,B=0,H=U;var
H,B,V,z,Y=Se[e+1],G=Dr(r,0|He.__str108278,(ne=Oe,Oe+=32,Se[ne>>2]=c,Se[ne+4>>2]=w,Se[ne+8>>2]=H,Se[n
e+12>>2]=B,Se[ne+16>>2]=V,Se[ne+20>>2]=z,Se[ne+24>>2]=p,Se[ne+28>>2]=Y,ne));Se[r+16>>2]=G;var
M=1 }var M;return Oe=v,M }function Br(r,a){ var e,i,v,t,f=Oe;Oe+=44;var
_,s=f,t=s>>2,n=f+8,o=f+12,v=o>>2,l=f+16,b=f+20,k=f+40;Se[v]=0;var i=(r+12|0)>>2,u=Se[i],c=u+1|0;Se[i]=c;var
h=ge[u],d=h<<24>>24,w=(h-65&255&255)>25;r:do if(w)var p=0;else { var
e=(0|r)>>2,E=Me[e],A=0==(128&E|0),g=d-65|0;do if(A){ var y=g/8|0;if(0==(0|y))var m=0|He.__str76246,S=g;else
if(1==(0|y))var m=0|He.__str77247,S=g;else {if(2!=(0|y)){ var m=0,S=g;break }var m=0|He.__str78248,S=g } }else

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var m=0,S=g;while(0);var S,m,M=0==(512&E|0)&&h<<24>>24<89,C=(0|S)%8;do if(M)if(2==(0|C)||3==(0|C))var
R=m,T=0|He.__str79249;else if(4==(0|C)||5==(0|C))var R=m,T=0|He.__str80250;else {if(6!=(0|C)&&7!=(0|C)){var
R=m,T=0;break }var O=Dr(r,0|He.__str81251,(ne=Oe,Oe+=4,Se[ne>>2]=m,ne)),R=O,T=0|He.__str80250}else var
R=m,T=0;while(0);var T,R,N=Gr(r,0),I=6==(0|C);do {if(I){if(7==((d-56)%8|0)){_=14;break }var
P=N;_=15;break }_=14}while(0);if(14==_)var
D=Lr(r),L=Dr(r,0|He.__str82252,(ne=Oe,Oe+=8,Se[ne>>2]=N,Se[ne+4>>2]=D,ne)),P=L;var
P,F=h<<24>>24>88;do if(F)var X=0;else {if((C-2|0)>>>0<2){var X=0;break }var j=xr(r,o,k);if(0==(0|j)){var
p=0;break r}var U=Me[v],x=Se[k>>2];if(0==(0|U)&0==(0|x)){var X=0;break }var
z=Dr(r,0|He.__str83253,(ne=Oe,Oe+=8,Se[ne>>2]=U,Se[ne+4>>2]=x,ne));Se[v]=z;var X=z}while(0);var
X,V=Se[i],B=V+1|0;Se[i]=B;var H=Ae[V],K=Se[e],Y=Ur(H,n,l,K);if(0==(0|Y)){var p=0;break }Cr(b);var
G=Se[i];if(Ae[G]<<24>>24==64){Se[t]=0|He.__str84254,Se[t+1]=0;var W=G+1|0;Se[i]=W}else {var
Z=Pr(r,s,b,0);if(0==(0|Z)){var p=0;break }if(0!=(4&Se[e]|0)&&(Se[t+1]=0,Se[t]=0),0==(0|a))var Q=P;else {var
q=0|s,$=Se[q>>2],J=s+4|0,rr=Se[J>>2],ar=Dr(r,0|He.__str85255,(ne=Oe,Oe+=12,Se[ne>>2]=P,Se[ne+4>>2]=$,Se[
ne+8>>2]=rr,ne));Se[J>>2]=0,Se[q>>2]=0;var Q=ar }var
Q,er=r+44|0,ir=Se[er>>2],vr=Xr(r,b,1,40,41);if(0==(0|vr)){var p=0;break }if(0==(4096&Se[e]|0))var
tr=vr,fr=X;else {Se[v]=0;var tr=0,fr=0}var fr,tr,Se[er>>2]=ir;var _r=Se[t],sr=Se[t+1];if(0==(0|_r))var nr=0;else var
or=0!=(0|sr)?0:0|He.__str87257,nr=or;var
nr,lr=Se[n>>2],br=0!=(0|lr)?0|He.__str87257:0,kr=Se[l>>2],ur=Dr(r,0|He.__str86256,(ne=Oe,Oe+=44,Se[ne>>2]=
R,Se[ne+4>>2]=T,Se[ne+8>>2]=_r,Se[ne+12>>2]=nr,Se[ne+16>>2]=lr,Se[ne+20>>2]=br,Se[ne+24>>2]=kr,Se[ne
+28>>2]=Q,Se[ne+32>>2]=tr,Se[ne+36>>2]=fr,Se[ne+40>>2]=sr,ne));Se[r+16>>2]=ur;var p=1 }while(0);var
p;return Oe=f,p}function Hr(r){var a,a=(r+12|0)>>>2,e=Se[a];if(Ae[e]<<24>>24==36)var
i=e;else {Xa(0|He.__str72242,1252,0|He.__func__handle_template,0|He.__str74244);var i=Se[a]}var
i;Se[a]=i+1|0;var v=Kr(r),t=0==(0|v);do if(t)var f=0;else {var _=Xr(r,0,0,60,62);if(0==(0|_)){var f=0;break }var
s=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=v,Se[ne+4>>2]=_,ne));Se[r+16>>2]=s;var f=1 }while(0);var
f;return f}function Kr(r){for(var a,a=(r+12|0)>>>2,e=Me[a],i=e,v=Ae[e];){var v,i;if(!((v-65&255&255)<26|(v-
97&255&255)<26|(v-48&255&255)<10)&&v<<24>>24!=95&&v<<24>>24!=36){var t=0;break }var
f=i+1|0;Se[a]=f;var _=ge[f];if(_<<24>>24==64){Se[a]=i+2|0;var s=f-e|0,n=r+20|0,o=Fr(r,e,s,n);if(0==(0|o)){var
t=0;break }var l=Se[r+24>>2]-1-Se[n>>2]|0,b=Yr(n,l),t=b;break }var i=f,v=_ }var t;return t}function
Yr(r,a){0==(0|r)&&Xa(0|He.__str72242,263,0|He.__func__str_array_get_ref,0|He.__str75245);var
e=Se[r>>2]+a|0;if(e>>>0<Me[r+8>>2]>>>0)var i=Se[Se[r+16>>2]+(e<<2)>>2];else var i=0;var i;return i}function
Gr(r,a){var e,e=(r+44|0)>>>2,i=Me[e];if(i>>>0<a>>>0){for(var v=v+r+56|0,t=a,f=0,_=Se[v>>2],s=i;){var
s,_,f,t,n=Me[_+(t<<2)>>2];if(0==(0|n)){Xa(0|He.__str72242,680,0|He.__func__get_class_string,0|He.__str10627
6);var o=Se[v>>2],l=o,b=Se[o+(t<<2)>>2],k=Se[e]}else var l=_,b=n,k=s;var
k,b,l,u=Ca(b),c=u+(f+2)|0,h=t+1|0;if(h>>>0<k>>>0)break;var t=h,f=c,_,l,s=k }var d=c-1|0}else var d=-1;var
d,w=Wl(r,d);if(0==(0|w))var p=0;else {var E=Se[e]-1|0,A=(0|E)<(0|a);r:do if(A)var g=0;else for(var
y=r+56|0,m=0,S=E;){var S,m,M=Se[Se[y>>2]+(S<<2)>>2],C=Ca(M),R=w+m|0;Pa(R,M,C,1);var
T=C+m|0;if((0|S)>(0|a)){var O=T+1|0;Ae[w+T|0]=58;var N=T+2|0;Ae[w+O|0]=58;var I=N}else var I=T;var I,P=S-
1|0;if((0|P)<(0|a)){var g=I;break r}var m=I,S=P}while(0);var g;Ae[w+g|0]=0;var p=w }var p;return p}function
Wr(r,a){var e,i=a>>>0>1020;do if(i){var v=Se[r+4>>2],t=a+4|0,f=pe[v](t);if(0==(0|f)){var _=0;break }var
s=r+60|0,n=Se[s>>2],o=f;Se[o>>2]=n,Se[s>>2]=f,Se[r+64>>2]=0;var _=f+4|0}else {var
e=(r+64|0)>>>2,l=Me[e];if(l>>>0<a>>>0){var b=Se[r+4>>2],k=pe[b](1024);if(0==(0|k)){var _=0;break }var
u=r+60|0,c=Se[u>>2],h=k;Se[h>>2]=c,Se[u>>2]=k,Se[e]=1020;var d=1020,w=k}else var d=l,w=Se[r+60>>2];var
w,d;Se[e]=d-a|0;var _=w+(1024-d)|0}while(0);var _;return _}function Zr(r){var a=r<<24>>24;if(68==(0|a))var
e=0|He.__str157327;else if(69==(0|a))var e=0|He.__str158328;else if(70==(0|a))var e=0|He.__str159329;else
if(71==(0|a))var e=0|He.__str160330;else if(72==(0|a))var e=0|He.__str161331;else if(73==(0|a))var
e=0|He.__str162332;else if(74==(0|a))var e=0|He.__str163333;else if(75==(0|a))var e=0|He.__str164334;else
if(76==(0|a))var e=0|He.__str165335;else if(77==(0|a))var e=0|He.__str166336;else if(78==(0|a))var
e=0|He.__str167337;else if(87==(0|a))var e=0|He.__str168338;else var e=0;var e;return e}function Qr(r){var

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a=r<<24>>24;if(67==(0|a))var e=0|He.__str145315;else if(68==(0|a))var e=0|He.__str146316;else if(69==(0|a))var
e=0|He.__str147317;else if(70==(0|a))var e=0|He.__str148318;else if(71==(0|a))var e=0|He.__str149319;else
if(72==(0|a))var e=0|He.__str150320;else if(73==(0|a))var e=0|He.__str151321;else if(74==(0|a))var
e=0|He.__str152322;else if(75==(0|a))var e=0|He.__str153323;else if(77==(0|a))var e=0|He.__str154324;else
if(78==(0|a))var e=0|He.__str155325;else if(79==(0|a))var e=0|He.__str156326;else if(88==(0|a))var
e=0|He.__str84254;else if(90==(0|a))var e=0|He.__str110280;else var e=0;var e;return e}function qr(r){ var
a=r+44|0,e=Se[a>>2],i=zr(r);if(0==(0|i))var v=0;else var t=Gr(r,e),v=t;var v;return Se[a>>2]=e,v}function
$(r,a,e,i,v){ var t,f,_,s=Oe;Oe+=16;var n,o=s,_,o>>2,l=s+4,b=s+8,f=b>>2;Se[l>>2]=0|ii;var
t=(a+12|0)>>2,k=Se[t];if(Ae[k]<<24>>24==69){ Se[l>>2]=0|He.__str134304;var u=k+1|0;Se[t]=u;var
c=0|He.__str134304}else var c=0|ii;var c,h=i<<24>>24;do{if(65==(0|h)){ var
d=Dr(a,0|He.__str135305,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=d;n=10;break}if(66==(0|h)){ var
p=Dr(a,0|He.__str136306,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=p;n=10;break}if(80==(0|h)){ var
E=Dr(a,0|He.__str137307,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=E;n=10;break}if(81==(0|h)){ var
A=Dr(a,0|He.__str138308,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=A;n=10;break}if(82==(0|h)){ var
g=Dr(a,0|He.__str139309,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=g;n=10;break}if(83==(0|h)){ var
y=Dr(a,0|He.__str140310,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=y;n=10;break}if(63==(0|h)){ var w=0|ii;n=10} else
n=31}while(0);r:do if(10==n){ var w,m=xr(a,o,l);if(0==(0|m))break;var
S=a+44|0,M=Se[S>>2],C=Se[t],R=Ae[C]<<24>>24==89;a:do if(R){ var T=C+1|0;Se[t]=T;var
O=Lr(a);if(0==(0|O))break r;var
N=Ha(O),I=Ae[w]<<24>>24==32,P=Se[_],D=0==(0|P);do{if(I){if(!D){ n=17;break}var
L=w+1|0;n=18;break}if(D){ var L=w;n=18;break}n=17;break}while(0);if(17==n){ var
F=Dr(a,0|He.__str141311,(ne=Oe,Oe+=8,Se[ne>>2]=P,Se[ne+4>>2]=w,ne));Se[_]=0;var X=F}else if(18==n)var
L,j=Dr(a,0|He.__str142312,(ne=Oe,Oe+=4,Se[ne>>2]=L,ne)),X=j;var X;if(0==(0|N)){ var U=X;break}for(var
x=X,z=N;){ var z,x,V=z-
1|0,B=Lr(a),H=Dr(a,0|He.__str143313,(ne=Oe,Oe+=8,Se[ne>>2]=x,Se[ne+4>>2]=B,ne));if(0==(0|V)){ var
U=H;break a}var x=H,z=V} }else var U=w;while(0);var U,K=Pr(a,b,e,0);if(0==(0|K))break;var
Y=Se[_];if(0==(0|Y)){ var G=0==(0|v);do if(G){if(Ae[U]<<24>>24==0){ var W=U;break}var
Z=U+1|0;if(Ae[Z]<<24>>24!=42){ var W=U;break}var Q=Se[f],q=Ca(Q);if(Ae[Q+(q-1)|0]<<24>>24!=42){ var
W=U;break}var W=Z}else var W=U;while(0);var
W,$=Se[f],J=Dr(a,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=$,Se[ne+4>>2]=W,ne));Se[r>>2]=J}else{ var
rr=Se[f],ar=Dr(a,0|He.__str144314,(ne=Oe,Oe+=12,Se[ne>>2]=rr,Se[ne+4>>2]=Y,Se[ne+8>>2]=U,ne));Se[r>>2]=
ar}var er=Se[f+1];Se[r+4>>2]=er,Se[S>>2]=M}while(0);Oe=s}function Jr(r){ var
a,e=r>>>0<245;do{if(e){if(r>>>0<11)var i=16;else var i=r+11&-8;var
i,v=i>>>3,t=Me[vi>>2],f=t>>>(v>>>0);if(0!=(3&f0))){ var
_=(1&f^1)+v|0,s=<<1,n=(s<<2)+vi+40|0,o=(s+2<<2)+vi+40|0,l=Me[o>>2],b=l+8|0,k=Me[b>>2];if((0|n)==(0|k))S
e[vi>>2]=t&(1<<^-1);else{if(k>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[o>>2]=k,Se[k+12>>2]=n}var u=<<3;Se[l+4>>2]=3|u;var
c=l+(4|u)|0,h=1|Se[c>>2];Se[c>>2]=h;var d=b;a=38;break}if(i>>>0<=Me[vi+8>>2]>>>0){ var
w=i;a=30;break}if(0!=(0|f)){ var p=2<<<v,E=f<<<v&(p|p),A=(E&-E)-
1|0,g=A>>>12&16,y=A>>>(g>>>0),m=y>>>5&8,S=y>>>(m>>>0),M=S>>>2&4,C=S>>>(M>>>0),R=C>>>1&2,
T=C>>>(R>>>0),O=T>>>1&1,N=(m|g|M|R|O)+(T>>>(O>>>0))|0,I=N<<1,P=(I<<2)+vi+40|0,D=(I+2<<2)+vi+40|
0,L=Me[D>>2],F=L+8|0,X=Me[F>>2];if((0|P)==(0|X))Se[vi>>2]=t&(1<<N^
1);else{if(X>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[D>>2]=X,Se[X+12>>2]=P}var
j=N<<3,U=j-i|0;Se[L+4>>2]=3|i;var x=L,z=x+i|0;Se[x+(4|i)>>2]=1|U,Se[x+j>>2]=U;var
V=Me[vi+8>>2];if(0!=(0|V)){ var
B=Se[vi+20>>2],H=V>>>2&1073741822,K=(H<<2)+vi+40|0,Y=Me[vi>>2],G=1<<(V>>>3),W=0==(Y&G|0);do{
if(!W){ var Z=(H+2<<2)+vi+40|0,Q=Me[Z>>2];if(Q>>>0>=Me[vi+16>>2]>>>0){ var q=Q,$=Z;break}throw
Ka(),"Reached an unreachable!"}Se[vi>>2]=Y|G;var q=K,$=(H+2<<2)+vi+40|0}while(0);var

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$,q;Se[$>>2]=B,Se[q+12>>2]=B;var J=B+8|0;Se[J>>2]=q;var
rr=B+12|0;Se[rr>>2]=K|Se[vi+8>>2]=U,Se[vi+20>>2]=z;var d=F;a=38;break }if(0==(0|Se[vi+4>>2])){ var
w=i;a=30;break } var ar=ra(i);if(0==(0|ar)){ var w=i;a=30;break } var d=ar;a=38;break }if(r>>>0>4294967231){ var
w=-1;a=30;break } var er=r+11&-8;if(0==(0|Se[vi+4>>2])){ var w=er;a=30;break } var ir=ea(er);if(0==(0|ir)){ var
w=er;a=30;break } var d=ir;a=38;break } while(0);if(30==a){ var w,vr=Me[vi+8>>2];if(w>>>0>vr>>>0){ var
tr=Me[vi+12>>2];if(w>>>0<tr>>>0){ var fr=tr-w|0;Se[vi+12>>2]=fr;var
_r=Me[vi+24>>2],sr=_r;Se[vi+24>>2]=sr+w|0,Se[w+(sr+4)>>2]=1|fr,Se[_r+4>>2]=3|w;var d=_r+8|0} else var
nr=aa(w),d=nr} else{ var or=vr-w|0,lr=Me[vi+20>>2];if(or>>>0>15){ var
br=lr;Se[vi+20>>2]=br+w|0,Se[vi+8>>2]=or,Se[w+(br+4)>>2]=1|or,Se[br+vr>>2]=or,Se[lr+4>>2]=3|w} else{ Se[vi
+8>>2]=0,Se[vi+20>>2]=0,Se[lr+4>>2]=3|vr;var kr=vr+(lr+4)|0,ur=1|Se[kr>>2];Se[kr>>2]=ur} var d=lr+8|0} } var
d;return d}function ra(r){ var a,e,i,v=Se[vi+4>>2],t=(v&-v)-
1|0,f=t>>>12&16,_t=t>>>(f>>>0),s=_t>>>5&8,n=_t>>>(s>>>0),o=n>>>2&4,l=n>>>(o>>>0),b=l>>>1&2,k=l>>>(b
>>>0),u=k>>>1&1,c=Me[vi+((s|f|o|b|u)+(k>>>(u>>>0))<<2)+304>>2],h=c,e=h>>2,d=(Se[c+4>>2]&-8)-
r|0;r:for(;;)for(var d,h,w=h;){ var w,p=Se[w+16>>2];if(0==(0|p)){ var E=Se[w+20>>2];if(0==(0|E))break r;var
A=E} else var A=p;var A,g=(Se[A+4>>2]&-8)-r|0;if(g>>>0<d>>>0){ var h=A,e=h>>2,d=g;continue r} var w=A} var
y=h,m=Me[vi+16>>2],S=y>>>0<m>>>0;do if(!S){ var M=y+r|0,C=M;if(y>>>0>=M>>>0)break;var
R=Me[e+6],T=Me[e+3],O=(0|T)==(0|h);do if(O){ var N=h+20|0,I=Se[N>>2];if(0==(0|I)){ var
P=h+16|0,D=Se[P>>2];if(0==(0|D)){ var L=0,a=L>>2;break } var F=P,X=D} else{ var F=N,X=I;i=14} for(;;){ var
X,F,j=X+20|0,U=Se[j>>2];if(0==(0|U)){ var x=X+16|0,z=Me[x>>2];if(0==(0|z))break;var F=x,X=z} else var
F=j,X=U} if(F>>>0<m>>>0)throw Ka(),"Reached an unreachable!";Se[F>>2]=0;var L=X,a=L>>2} else{ var
V=Me[e+2];if(V>>>0<m>>>0)throw Ka(),"Reached an unreachable!";Se[V+12>>2]=T,Se[T+8>>2]=V;var
L=T,a=L>>2} } while(0);var L,B=0==(0|R);r:do if(!B){ var
H=h+28|0,K=(Se[H>>2]<<2)+vi+304|0,Y=(0|h)==(0|Se[K>>2]);do{ if(Y){ if(Se[K>>2]=L,0!=(0|L))break;var
G=Se[vi+4>>2]&(1<<Se[H>>2]^1);Se[vi+4>>2]=G;break r} if(R>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached
an unreachable!";var W=R+16|0;if((0|Se[W>>2])==(0|h)?Se[W>>2]=L:Se[R+20>>2]=L,0==(0|L))break
r} while(0);if(L>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[a+6]=R;var
Z=Me[e+4];if(0!=(0|Z)){ if(Z>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+4]=Z,Se[Z+24>>2]=L} var
Q=Me[e+5];if(0==(0|Q))break;if(Q>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+5]=Q,Se[Q+24>>2]=L} while(0);if(d>>>0<16){ var q=d+r|0;Se[e+1]=3|q;var
$=q+(y+4)|0,J=1|Se[$>>2];Se[$>>2]=J} else{ Se[e+1]=3|r,Se[r+(y+4)>>2]=1|d,Se[y+d+r>>2]=d;var
rr=Me[vi+8>>2];if(0!=(0|rr)){ var
ar=Me[vi+20>>2],er=rr>>>2&1073741822,ir=(er<<2)+vi+40|0,vr=Me[vi>>2],tr=1<<(rr>>>3),fr=0==(vr&tr|0);do{
if(!fr){ var _r=(er+2<<2)+vi+40|0,sr=Me[_r>>2];if(sr>>>0>=Me[vi+16>>2]>>>0){ var nr=sr,or=_r;break } throw
Ka(),"Reached an unreachable!";Se[vi>>2]=vr|tr;var nr=ir,or=(er+2<<2)+vi+40|0} while(0);var
or,nr;Se[or>>2]=ar,Se[nr+12>>2]=ar,Se[ar+8>>2]=nr,Se[ar+12>>2]=ir} Se[vi+8>>2]=d,Se[vi+20>>2]=C} return
h+8|0} while(0);throw Ka(),"Reached an unreachable!"}function aa(r){ var a,e;0==(0|Se[ti>>2])&&ba();var
i=0==(4&Se[vi+440>>2]|0);do{ if(i){ var v=Se[vi+24>>2],t=0==(0|v);do{ if(!t){ var
f=v,_=ua(f);if(0==(0|_)){ e=6;break } var s=Se[ti+8>>2],n=r+47-Se[vi+12>>2]+s&-
s;if(n>>>0>=2147483647){ e=14;break } var o=re(n);if((0|o)==(Se[_>>2]+Se[_+4>>2]|0)){ var
l=o,b=n,k=o;e=13;break } var u=o,c=n;e=15;break } e=6} while(0);do if(6==e){ var h=re(0);if((0|h)==-
1){ e=14;break } var d=Se[ti+8>>2],w=d+(r+47)&-d,p=h,E=Se[ti+4>>2],A=E-1|0;if(0==(A&p|0))var g=w;else var
g=w-p+(A+p&-E)|0;var g;if(g>>>0>=2147483647){ e=14;break } var y=re(g);if((0|y)==(0|h)){ var
l=h,b=g,k=y;e=13;break } var u=y,c=g;e=15;break } while(0);if(13==e){ var k,b,l;if((0|l)!=-1){ var
m=b,S=l;e=26;break } var u=k,c=b} else if(14==e){ var M=4|Se[vi+440>>2];Se[vi+440>>2]=M,e=23;break } var
c,u,C=0|-c,R=(0|u)!=-1&c>>>0<2147483647;do{ if(R){ if(c>>>0>=(r+48|0)>>>0){ var T=c;e=21;break } var
O=Se[ti+8>>2],N=r+47-c+O&-O;if(N>>>0>=2147483647){ var T=c;e=21;break } var I=re(N);if((0|I)==-
1){ re(C);e=22;break } var T=N+c|0;e=21;break } var T=c;e=21} } while(0);if(21==e){ var T;if((0|u)!=-1){ var

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m=T,S=u;e=26;break } var P=4[Se[vi+440>>2];Se[vi+440>>2]=P,e=23;break }e=23 }while(0);do if(23===e){ var
D=Se[ti+8>>2],L=D+(r+47)&-D;if(L>>>0>=2147483647){e=49;break } var F=re(L),X=re(0);if(!((0|X)!=-
1&(0|F)!=-1&F>>>0<X>>>0)){e=49;break } var j=X-F|0;if(j>>>0<=(r+40|0)>>>0|(0|F)=-1){e=49;break } var
m=j,S=F;e=26;break } while(0);r:do if(26===e){ var
S,m,U=Se[vi+432>>2]+m|0;Se[vi+432>>2]=U,U>>>0>Me[vi+436>>2]>>>0&&(Se[vi+436>>2]=U);var
x=Me[vi+24>>2],z=0==(0|x);a:do if(z){ var
V=Me[vi+16>>2];0==(0|V)|S>>>0<V>>>0&&(Se[vi+16>>2]=S),Se[vi+444>>2]=S,Se[vi+448>>2]=m,Se[vi+456
>>2]=0;var B=Se[ti>>2];Se[vi+36>>2]=B,Se[vi+32>>2]=-1,ha(),ca(S,m-40|0)}else{for(var
H=vi+444|0,a=H>>2;){ var H;if(0==(0|H))break;var
K=Me[a],Y=H+4|0,G=Me[Y>>2],W=K+G|0;if((0|S)==(0|W)){ if(0!=(8&Se[a+3|0))break;var
Z=x;if(!(Z>>>0>=K>>>0&Z>>>0<W>>>0))break;Se[Y>>2]=G+m|0;var
Q=Se[vi+24>>2],q=Se[vi+12>>2]+m|0;ca(Q,q);break a } var
H=Se[a+2],a=H>>2 }S>>>0<Me[vi+16>>2]>>>0&&(Se[vi+16>>2]=S);for(var $=S+m|0,J=vi+444|0;){ var
J;if(0==(0|J))break;var rr=0|J,ar=Me[rr>>2];if((0|ar)==(0|$)){ if(0!=(8&Se[J+12>>2|0))break;Se[rr>>2]=S;var
er=J+4|0,ir=Se[er>>2]+m|0;Se[er>>2]=ir;var vr=da(S,ar,r),tr=vr;e=50;break r } var
J=Se[J+8>>2]}Ma(S,m)} while(0);var fr=Me[vi+12>>2];if(fr>>>0<=r>>>0){ e=49;break } var _r=fr-
r|0;Se[vi+12>>2]=_r;var sr=Me[vi+24>>2],nr=sr;Se[vi+24>>2]=nr+r|0,Se[r+(nr+4)>>2]=1|_r,Se[sr+4>>2]=3|r;var
tr=sr+8|0;e=50;break } while(0);if(49===e){ var or=Je();Se[or>>2]=12;var tr=0 } var tr;return tr }function ea(r){ var
a,e,i,v,t,f,_r>>2,s=0|-r,n=r>>>8,o=0==(0|n);do if(o)var l=0;else{ if(r>>>0>16777215){ var l=31;break } var
b=(n+1048320|0)>>>16&8,k=n<<b,u=(k+520192|0)>>>16&4,c=k<<u,h=(c+245760|0)>>>16&2,d=14-
(u|b|h)+(c<<h>>>15)|0,l=r>>>((d+7|0)>>>0)&1|d<<1 } while(0);var l,w=Me[vi+(l<<2)+304>>2],p=0==(0|w);r:do
if(p)var E=0,A=s,g=0;else{ if(31==(0|l))var y=0;else var y=25-(l>>>1)|0;for(var
y,m=0,S=s,M=w,t=M>>2,C=r<<y,R=0;){ var R,C,M,S,m,T=Se[t+1]&-8,O=T-
r|0;if(O>>>0<S>>>0){ if((0|T)==(0|r)){ var E=M,A=O,g=M;break r } var N=M,I=O} else var N=m,I=S;var
I,N,P=Me[t+5],D=Me[((C>>>31<<2)+16>>2)+t],L=0==(0|P)|(0|P)==(0|D)?R:P;if(0==(0|D)){ var
E=N,A=I,g=L;break r } var m=N,S=I,M=D,t=M>>2,C=C<<1,R=L } } while(0);var g,A,E,F=0==(0|g)&0==(0|E);do
if(F){ var X=2<<l,j=Se[vi+4>>2]&(X|X);if(0==(0|j)){ var U=g;break } var x=(j&-j)-
1|0,z=x>>>12&16,V=x>>>(z>>>0),B=V>>>5&8,H=V>>>(B>>>0),K=H>>>2&4,Y=H>>>(K>>>0),G=Y>>>1&2
,W=Y>>>(G>>>0),Z=W>>>1&1,U=Se[vi+((B|z|K|G|Z)+(W>>>(Z>>>0))<<2)+304>>2]}else var
U=g;while(0);var U,Q=0==(0|U);r:do if(Q)var q=A,$=E,v=$>>2;else for(var J=U,i=J>>2,rr=A,ar=E;){ var
ar,rr,J,er=(Se[i+1]&-8)-r|0,ir=er>>>0<rr>>>0,vr=ir?er:rr,fr=Me[i+4];if(0==(0|fr)){ var
_r=Me[i+5];if(0==(0|_r)){ var q=vr,$=tr,v=$>>2;break r } var J=_r,i=J>>2,rr=vr,ar=tr} else var
J=fr,i=J>>2,rr=vr,ar=tr} while(0);var $,q,sr=0==(0|$);r:do {if(!sr){ if(q>>>0>=(Se[vi+8>>2]-r|0)>>>0){ var
nr=0;break } var or=$,e=or>>2,lr=Me[vi+16>>2],br=or>>>0<lr>>>0;do if(!br){ var
kr=or+r|0,ur=kr;if(or>>>0>=kr>>>0)break;var cr=Me[v+6],hr=Me[v+3],dr=(0|hr)==(0|$);do if(dr){ var
wr=$+20|0,pr=Se[wr>>2];if(0==(0|pr)){ var Er=$+16|0,Ar=Se[Er>>2];if(0==(0|Ar)){ var gr=0,a=gr>>2;break } var
yr=Er,mr=Ar} else{ var yr=wr,mr=pr;f=28 } for(;;){ var mr,yr,Sr=mr+20|0,Mr=Se[Sr>>2];if(0==(0|Mr)){ var
Cr=mr+16|0,Rr=Me[Cr>>2];if(0==(0|Rr))break;var yr=Cr,mr=Rr} else var yr=Sr,mr=Mr} if(yr>>>0<lr>>>0)throw
Ka(),"Reached an unreachable!";Se[yr>>2]=0;var gr=mr,a=gr>>2} else{ var Tr=Me[v+2];if(Tr>>>0<lr>>>0)throw
Ka(),"Reached an unreachable!";Se[Tr+12>>2]=hr,Se[hr+8>>2]=Tr;var gr=hr,a=gr>>2 } while(0);var
gr,Or=0==(0|cr);a:do if(!Or){ var
Nr=$+28|0,Ir=(Se[Nr>>2]<<2)+vi+304|0,Pr=(0|$)==(0|Se[Ir>>2]);do {if(Pr){ if(Se[Ir>>2]=gr,0!=(0|gr))break;var
Dr=Se[vi+4>>2]&(1<<Se[Nr>>2]^1);Se[vi+4>>2]=Dr;break a } if(cr>>>0<Me[vi+16>>2]>>>0)throw
Ka(),"Reached an unreachable!";var
Lr=cr+16|0;if((0|Se[Lr>>2])==(0|$)?Se[Lr>>2]=gr:Se[cr+20>>2]=gr,0==(0|gr))break
a } while(0);if(gr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[a+6]=cr;var
Fr=Me[v+4];if(0!=(0|Fr)){ if(Fr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+4]=Fr,Se[Fr+24>>2]=gr } var

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Xr=Me[v+5];if(0==(0|Xr))break;if(Xr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+5]=Xr,Se[Xr+24>>2]=gr }while(0);var jr=q>>>0<16;a:do if(jr){ var
Ur=q+r|0;Se[v+1]=3|Ur;var xr=Ur+(or+4)|0,zr=1|Se[xr>>2];Se[xr>>2]=zr}else
if(Se[v+1]=3|r,Se[_+(e+1)]=1|q,Se[(q>>2)+e+]=q,q>>>0<256){ var
Vr=q>>>2&1073741822,Br=(Vr<<2)+vi+40|0,Hr=Me[vi>>2],Kr=1<<(q>>>3),Yr=0==(Hr&Kr|0);do{if(!Yr){ var
Gr=(Vr+2<<2)+vi+40|0,Wr=Me[Gr>>2];if(Wr>>>0>=Me[vi+16>>2]>>>0){ var Zr=Wr,Qr=Gr;break }throw
Ka(),"Reached an unreachable!" }Se[vi>>2]=Hr|Kr;var Zr=Br,Qr=(Vr+2<<2)+vi+40|0}while(0);var
Qr,Zr;Se[Qr>>2]=ur,Se[Zr+12>>2]=ur,Se[_+(e+2)]=Zr,Se[_+(e+3)]=Br}else{ var qr=kr,$r=q>>>8,Jr=0==(0|$r);do
if(Jr)var ra=0;else{if(q>>>0>16777215){ var ra=31;break }var
aa=(($r+1048320|0)>>>16&8,ea=$r<<aa,ia=(ea+520192|0)>>>16&4,va=ea<<ia,ta=(va+245760|0)>>>16&2,fa=14-
(ia|aa|ta)+(va<<ta)>>>15)|0,ra=q>>>((fa+7|0)>>>0)&1|fa<<1 }while(0);var
ra,_a=(ra<<2)+vi+304|0;Se[_+(e+7)]=ra;var sa=r+(or+16)|0;Se[_+(e+5)]=0,Se[sa>>2]=0;var
na=Se[vi+4>>2],oa=1<<ra;if(0==(na&oa|0)){ var
la=na|oa;Se[vi+4>>2]=la,Se[_a>>2]=qr,Se[_+(e+6)]=_a,Se[_+(e+3)]=qr,Se[_+(e+2)]=qr}else{if(31==(0|ra))var
ba=0;else var ba=25-(ra>>>1)|0;for(var ba,ka=q<<ba,ua=Se[_a>>2];){ var ua,ka;if((Se[ua+4>>2])&-
8|0)==(0|q)){ var ca=ua+8|0,ha=Me[ca>>2],da=Me[vi+16>>2],wa=ua>>>0<da>>>0;do
if(!wa){if(ha>>>0<da>>>0)break;Se[ha+12>>2]=qr,Se[ca>>2]=qr,Se[_+(e+2)]=ha,Se[_+(e+3)]=ua,Se[_+(e+6)]=0;
break a }while(0);throw Ka(),"Reached an unreachable!" }var
pa=(ka>>>31<<2)+ua+16|0,Ea=Me[pa>>2];if(0==(0|Ea)){if(pa>>>0>=Me[vi+16>>2]>>>0){ Se[pa>>2]=qr,Se[_+(
e+6)]=ua,Se[_+(e+3)]=qr,Se[_+(e+2)]=qr;break a }throw Ka(),"Reached an unreachable!" }var
ka=ka<<1,ua=Ea } }while(0);var nr=$+8|0;break r }while(0);throw Ka(),"Reached an unreachable!" }var
nr=0 }while(0);var nr;return nr }function ia(r){ var a;0==(0|Se[ti>>2])&&ba();var e=r>>>0<4294967232;r:do
if(e){ var i=Me[vi+24>>2];if(0==(0|i)){ var v=0;break }var t=Me[vi+12>>2],f=t>>>0>(r+40|0)>>>0;do if(f){ var
_=Me[ti+8>>2],s=-40-r-1+t+_|0,n=Math.floor((s>>>0)/(<>>0)),o=(n-
1)*_|0,l=i,b=ua(l);if(0!=(8&Se[b+12>>2]|0))break;var
k=re(0),a=(b+4|0)>>2;if((0|k)!=(Se[b>>2]+Se[a|0]))break;var u=o>>>0>2147483646?-2147483648-_|0;o,c=0|
-u,h=re(c),d=re(0);if(!((0|h)!=-1&d>>>0<k>>>0))break;var w=k-d|0;if((0|k)==(0|d))break;var p=Se[a]-
w|0;Se[a]=p;var E=Se[vi+432>>2]-w|0;Se[vi+432>>2]=E;var A=Se[vi+24>>2],g=Se[vi+12>>2]-w|0;ca(A,g);var
v=(0|k)!=(0|d);break r }while(0);if(Me[vi+12>>2]>>>0<=Me[vi+28>>2]>>>0){ var v=0;break }Se[vi+28>>2]=-1;var
v=0}else var v=0;while(0);var v;return 1&v }function va(r){ var a,e,i,v,t,f,_,s=r>>2,n=0==(0|r);r:do if(!n){ var o=r-
8|0,l=o,b=Me[vi+16>>2],k=o>>>0<b>>>0;a:do if(!k){ var u=Me[r-4>>2],c=3&u;if(1==(0|c))break;var h=u&-
8,f=h>>2,d=r+(h-8)|0,w=d,p=0==(1&u|0);e:do if(p){ var E=Me[o>>2];if(0==(0|c))break r;var A=-8-
E|0,t=A>>2,g=r+A|0,y=g,m=E+h|0;if(g>>>0<b>>>0)break a;if((0|y)==(0|Se[vi+20>>2])){ var v=(r+(h-
4)|0)>>2;if(3!=(3&Se[v|0])){ var S=y,i=S>>2,M=m;break }Se[vi+8>>2]=m;var C=Se[v]&-
2;Se[v]=C,Se[t+(s+1)]=1|m,Se[d>>2]=m;break r }if(E>>>0<256){ var
R=Me[t+(s+2)],T=Me[t+(s+3)];if((0|R)!=(0|T)){ var
O=((E>>>2&1073741822)<<2)+vi+40|0,N=(0|R)!=(0|O)&R>>>0<b>>>0;do
if(!N){if(!((0|T)==(0|O)|T>>>0>=b>>>0))break;Se[R+12>>2]=T,Se[T+8>>2]=R;var S=y,i=S>>2,M=m;break
e }while(0);throw Ka(),"Reached an unreachable!" }var I=Se[vi>>2]&(1<<(E>>>3)^-1);Se[vi>>2]=I;var
S=y,i=S>>2,M=m}else{ var P=g,D=Me[t+(s+6)],L=Me[t+(s+3)],F=(0|L)==(0|P);do if(F){ var
X=A+(r+20)|0,j=Se[X>>2];if(0==(0|j)){ var U=A+(r+16)|0,x=Se[U>>2];if(0==(0|x)){ var z=0,e=z>>2;break }var
V=U,B=x }else{ var V=X,B=j;_=21 }for(;;){ var B,V,H=B+20|0,K=Se[H>>2];if(0==(0|K)){ var
Y=B+16|0,G=Me[Y>>2];if(0==(0|G))break;var V=Y,B=G}else var V=H,B=K }if(V>>>0<b>>>0)throw
Ka(),"Reached an unreachable!";Se[V>>2]=0;var z=B,e=z>>2}else{ var W=Me[t+(s+2)];if(W>>>0<b>>>0)throw
Ka(),"Reached an unreachable!";Se[W+12>>2]=L,Se[L+8>>2]=W;var z=L,e=z>>2 }while(0);var
z;if(0==(0|D)){ var S=y,i=S>>2,M=m;break }var
Z=A+(r+28)|0,Q=(Se[Z>>2]<<2)+vi+304|0,q=(0|P)==(0|Se[Q>>2]);do{if(q){if(Se[Q>>2]=z,0!=(0|z))break;var
$=Se[vi+4>>2]&(1<<Se[Z>>2]^-1);Se[vi+4>>2]=$;var S=y,i=S>>2,M=m;break

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e}if(D>>>0<Me[vi+16>>2]>>>0)throw Ka(),\"Reached an unreachable!\";var
J=D+16|0;if((0|Se[J>>2])==(0|P)?Se[J>>2]=z:Se[D+20>>2]=z,0==(0|z)){ var S=y,i=S>>2,M=m;break
e} }while(0);if(z>>>0<Me[vi+16>>2]>>>0)throw Ka(),\"Reached an unreachable!\";Se[e+6]=D;var
rr=Me[t+(s+4)];if(0!=(0|rr)){ if(rr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\"Reached an
unreachable!\";Se[e+4]=rr,Se[rr+24>>2]=z}var ar=Me[t+(s+5)];if(0==(0|ar)){ var
S=y,i=S>>2,M=m;break}if(ar>>>0<Me[vi+16>>2]>>>0)throw Ka(),\"Reached an
unreachable!\";Se[e+5]=ar,Se[ar+24>>2]=z;var S=y,i=S>>2,M=m} }else var S=1,i=S>>2,M=h;while(0);var
M,S,er=S;if(er>>>0>d>>>0)break;var ir=r+(h-4)|0,vr=Me[ir>>2];if(0==(1&vr|0))break;var
tr=0==(2&vr|0);do{ if(tr){ if((0|w)==(0|Se[vi+24>>2])){ var
fr=Se[vi+12>>2]+M|0;Se[vi+12>>2]=fr,Se[vi+24>>2]=S;var
_r=1|fr;if(Se[i+1]=_r,(0|S)==(0|Se[vi+20>>2])&&(Se[vi+20>>2]=0,Se[vi+8>>2]=0),fr>>>0<=Me[vi+28>>2]>>>0)
break r;ia(0);break r}if((0|w)==(0|Se[vi+20>>2])){ var sr=Se[vi+8>>2]+M|0;Se[vi+8>>2]=sr,Se[vi+20>>2]=S;var
nr=1|sr;Se[i+1]=nr;var or=er+sr|0;Se[or>>2]=sr;break r} var lr=(vr&-8)+M|0,br=vr>>>3,kr=vr>>>0<256;e:do
if(kr){ var ur=Me[s+f],cr=Me[((4|h)>>2)+s];if((0|ur)!=0|cr)){ var
hr=((vr>>>2&1073741822)<<2)+vi+40|0,dr=(0|ur)==(0|hr);do{ if(!dr){ if(ur>>>0<Me[vi+16>>2]>>>0){ _=66;break
}_=63;break} _=63} while(0);do
if(63==_){ if((0|cr)!=0|hr)&&cr>>>0<Me[vi+16>>2]>>>0)break;Se[ur+12>>2]=cr,Se[cr+8>>2]=ur;break
e} while(0);throw Ka(),\"Reached an unreachable!\"} var wr=Se[vi>>2]&(1<<br^-1);Se[vi>>2]=wr} else{ var
pr=d,Er=Me[f+(s+4)],Ar=Me[((4|h)>>2)+s],gr=(0|Ar)==(0|pr);do if(gr){ var
yr=h+(r+12)|0,mr=Se[yr>>2];if(0==(0|mr)){ var Sr=h+(r+8)|0,Mr=Se[Sr>>2];if(0==(0|Mr)){ var
Cr=0,a=Cr>>2;break} var Rr=Sr,Tr=Mr} else{ var Rr=yr,Tr=mr;_=73} for(;;){ var
Tr,Rr,Or=Tr+20|0,Nr=Se[Or>>2];if(0==(0|Nr)){ var Ir=Tr+16|0,Pr=Me[Ir>>2];if(0==(0|Pr))break;var
Rr=Ir,Tr=Pr} else var Rr=Or,Tr=Nr}if(Rr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\"Reached an
unreachable!\";Se[Rr>>2]=0;var Cr=Tr,a=Cr>>2} else{ var Dr=Me[s+f];if(Dr>>>0<Me[vi+16>>2]>>>0)throw
Ka(),\"Reached an unreachable!\";Se[Dr+12>>2]=Ar,\nSe[Ar+8>>2]=Dr;var Cr=Ar,a=Cr>>2} while(0);var
Cr;if(0==(0|Er))break;var
Lr=h+(r+20)|0,Fr=(Se[Lr>>2]<<2)+vi+304|0,Xr=(0|pr)==(0|Se[Fr>>2]);do{ if(Xr){ if(Se[Fr>>2]=Cr,0!=(0|Cr))break
;var jr=Se[vi+4>>2]&(1<<Se[Lr>>2]^-1);Se[vi+4>>2]=jr;break e}if(Er>>>0<Me[vi+16>>2]>>>0)throw
Ka(),\"Reached an unreachable!\";var
Ur=Er+16|0;if((0|Se[Ur>>2])==(0|pr)?Se[Ur>>2]=Cr:Se[Er+20>>2]=Cr,0==(0|Cr))break
e} while(0);if(Cr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\"Reached an unreachable!\";Se[a+6]=Er;var
xr=Me[f+(s+2)];if(0!=(0|xr)){ if(xr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\"Reached an
unreachable!\";Se[a+4]=xr,Se[xr+24>>2]=Cr} var
zr=Me[f+(s+3)];if(0==(0|zr))break;if(zr>>>0<Me[vi+16>>2]>>>0)throw Ka(),\"Reached an
unreachable!\";Se[a+5]=zr,Se[zr+24>>2]=Cr} while(0);if(Se[i+1]=1|lr,Se[er+lr>>2]=lr,(0|S)!=0|Se[vi+20>>2])){ va
r Vr=lr;break} Se[vi+8>>2]=lr;break r} Se[ir>>2]=vr&-2,Se[i+1]=1|M,Se[er+M>>2]=M;var Vr=M} while(0);var
Vr;if(Vr>>>0<256){ var
Br=Vr>>>2&1073741822,Hr=(Br<<2)+vi+40|0,Kr=Me[vi>>2],Yr=1<<(Vr>>>3),Gr=0==(Kr&Yr|0);do{ if(!Gr){ va
r Wr=(Br+2<<2)+vi+40|0,Zr=Me[Wr>>2];if(Zr>>>0)=Me[vi+16>>2]>>>0){ var Qr=Zr,qr=Wr;break} throw
Ka(),\"Reached an unreachable!\"} Se[vi>>2]=Kr|Yr;var Qr=Hr,qr=(Br+2<<2)+vi+40|0} while(0);var
qr,Qr;Se[qr>>2]=S,Se[Qr+12>>2]=S,Se[i+2]=Qr,Se[i+3]=Hr;break r} var $r=S,Jr=Vr>>>8,ra=0==(0|Jr);do if(ra)var
aa=0;else{ if(Vr>>>0>16777215){ var aa=31;break} var
ea=(Jr+1048320|0)>>>16&8,va=Jr<<ea,fa=(va+520192|0)>>>16&4,_a=va<<fa,sa=(_a+245760|0)>>>16&2,na=14-
(fa|ea|sa)+(_a<<sa>>>15)|0,aa=Vr>>>((na+7|0)>>>0)&1|na<<1} while(0);var
aa,oa=(aa<<2)+vi+304|0;Se[i+7]=aa,Se[i+5]=0,Se[i+4]=0;var la=Se[vi+4>>2],ba=1<<aa,ka=0==(la&ba|0);e:do
if(ka){ var ua=la|ba;Se[vi+4>>2]=ua,Se[oa>>2]=$r,Se[i+6]=oa,Se[i+3]=S,Se[i+2]=S} else{ if(31==(0|aa))var
ca=0;else var ca=25-(aa>>>1)|0;for(var ca,ha=Vr<<ca,da=Se[oa>>2];){ var da,ha;if((Se[da+4>>2])&-
8|0)==(0|Vr)){ var wa=da+8|0,pa=Me[wa>>2],Ea=Me[vi+16>>2],Aa=da>>>0<Ea>>>0;do

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if(!Aa){if(pa>>>0<Ea>>>0)break;Se[pa+12>>2]=$r,Se[wa>>2]=$r,Se[i+2]=pa,Se[i+3]=da,Se[i+6]=0;break
e}while(0);throw Ka(),"Reached an unreachable!"}var
ga=(ha>>>31<<2)+da+16|0,ya=Me[ga>>2];if(0==(0|ya)){if(ga>>>0>=Me[vi+16>>2]>>>0){Se[ga>>2]=$r,Se[i+6]
=da,Se[i+3]=S,Se[i+2]=S;break e}throw Ka(),"Reached an unreachable!"}var ha=ha<<1,da=ya}while(0);var
ma=Se[vi+32>>2]-1|0;if(Se[vi+32>>2]=ma,0!=(0|ma))break r;ta();break r}while(0);throw Ka(),"Reached an
unreachable!"}while(0)}function ta(){var r=Se[vi+452>>2],a=0==(0|r);r:do if(!a)for(var e=r;;){var
e,i=Se[e+8>>2];if(0==(0|i))break r;var e=i}while(0);Se[vi+32>>2]=-1}function fa(r,a){if(0==(0|r))var
e=Jr(a),i=e;else var v=la(r,a),i=v;var i;return i}function _a(r,a){var e,i=r>>>0<9;do if(i)var v=Jr(a),t=v;else{var
f=r>>>0<16?16:r,_=0==(f-1&f|0);r:do if(_){var s=f;else{if(f>>>0<=16){var s=16;break}for(var n=16;;){var
n,o=n<<1;if(o>>>0>=f>>>0){var s=o;break r}var n=o}}while(0);var s;if((-64-s|0)>>>0>a>>>0){if(a>>>0<11)var
l=16;else var l=a+11&-8;var l,b=Jr(1+(s+12)|0);if(0==(0|b)){var t=0;break}var k=b-
8|0;if(0==(b>>>0)% (s>>>0)|0)var u=k,c=0;else{var h=b+(s-1)&-s,d=h-8|0,w=k;if((d-w|0)>>>0>15)var p=d;else
var p=h+(s-8)|0;var p,E=p-w|0,e=(b-4|0)>>2,A=Se[e],g=(A&-8)-E|0;if(0==(3&A|0)){var
y=Se[k>>2]+E|0;Se[p>>2]=y,Se[p+4>>2]=g;var u=p,c=0}else{var m=p+4|0,S=g|1&Se[m>>2]|2;Se[m>>2]=S;var
M=g+(p+4)|0,C=1|Se[M>>2];Se[M>>2]=C;var R=E|1&Se[e]|2;Se[e]=R;var T=b+(E-
4)|0,O=1|Se[T>>2];Se[T>>2]=O;var u=p,c=b}}var c,u,N=u+4|0,I=Me[N>>2],P=0==(3&I|0);do if(P)var
D=0;else{var L=I&-8;if(L>>>0<=(1+16|0)>>>0){var D=0;break}var F=L-
l|0;Se[N>>2]=l|1&I|2,Se[u+(4|l)>>2]=3|F;var X=u+(4|L)|0,j=1|Se[X>>2];Se[X>>2]=j;var D=l+(u+8)|0}while(0);var
D;0!=(0|c)&&va(c),0!=(0|D)&&va(D);var t=u+8|0}else{var U=Je();Se[U>>2]=12;var t=0}}while(0);var t;return
t}function sa(r,a,e,i){var v,t;0==(0|Se[ti>>2])&&ba();var f=0==(0|i),_=0==(0|r);do{if(f){if(_){var
s=Jr(0),n=s;t=30;break}var o=r<<2;if(o>>>0<11){var l=0,b=16;t=9;break}var l=0,b=o+11&-8;t=9;break}if(_){var
n=i;t=30;break}var l=i,b=0;t=9;break}while(0);do if(9==t){var b,l,k=0==(1&e|0);r:do if(k){if(_){var
u=0,c=0;break}for(var h=0,d=0;;){var d,h,w=Me[a+(d<<2)>>2];if(w>>>0<11)var p=16;else var p=w+11&-8;var
p,E=p+h|0,A=d+1|0;if((0|A)==(0|r)){var u=0,c=E;break r}var h=E,d=A}}else{var g=Me[a>>2];if(g>>>0<11)var
y=16;else var y=g+11&-8;var y,u=y,c=y*r|0}while(0);var c,u,m=Jr(b-4+c|0);if(0==(0|m)){var n=0;break}var S=m-
8|0,M=Se[m-4>>2]&-8;if(0!=(2&e|0)){var C=-4-b+M|0;Fa(m,0,C,1)}if(0==(0|l)){var R=m+c|0,T=M-c|3;Se[m+(c-
4)>>2]=T;var O=R,v=O>>2,N=c}else var O=l,v=O>>2,N=M;var N,O;Se[v]=m;var I=r-1|0,P=0==(0|I);r:do if(P)var
D=S,L=N;else if(0==(0|u))for(var F=S,X=N,j=0;;){var j,X,F,U=Me[a+(j<<2)>>2];if(U>>>0<11)var x=16;else var
x=U+11&-8;var x,z=X-x|0;Se[F+4>>2]=3|x;var
V=F+x|0,B=j+1|0;if(Se[(B<<2)>>2]+v]=x+(F+8)|0,(0|B)==(0|I)){var D=V,L=z;break r}var F=V,X=z,j=B}else
for(var H=3|u,K=u+8|0,Y=S,G=N,W=0;;){var W,G,Y,Z=G-u|0;Se[Y+4>>2]=H;var
Q=Y+u|0,q=W+1|0;if(Se[(q<<2)>>2]+v]=Y+K|0,(0|q)==(0|I)){var D=Q,L=Z;break r}var
Y=Q,G=Z,W=q}while(0);var L,D;Se[D+4>>2]=3|L;var n=O}while(0);var n;return n}function na(r){var
a=r>>2;0==(0|Se[ti>>2])&&ba();var e=Me[vi+24>>2];if(0==(0|e))var i=0,v=0,t=0,f=0,_,s=0,n=0;else{for(var
o=Me[vi+12>>2],l=o+40|0,b=vi+444|0,k=1,u=1,c=1;;){var c,u,k,b,h=Me[b>>2],d=h+8|0;if(0==(7&d|0))var w=0;else
var w=7&-d;for(var w,p=b+4|0,E=h+w|0,A=c,g=u,y=k;;){var
y,g,A,E;if(E>>>0<h>>>0)break;if(E>>>0>=(h+Se[p>>2]|0)>>>0|(0|E)==(0|e))break;var
m=Se[E+4>>2];if(7==(0|m))break;var S=m&-8,M=S+y|0;if(1==(3&m|0))var C=A+1|0,R=S+g|0;else var
C=A,R=g;var R,C,E=E+S|0,A=C,g=R,y=M}var T=Me[b+8>>2];if(0==(0|T))break;var b=T,k=y,u=g,c=A}var
O=Se[vi+432>>2],i=y,v=A,t=o,f=g,_,s=Se[vi+436>>2],n=O-g|0}var
n,s,_,f,t,v,i;Se[a]=i,Se[a+1]=v,Se[a+2]=0,Se[a+3]=0,Se[a+4]=_,Se[a+5]=s,Se[a+6]=0,Se[a+7]=n,Se[a+8]=f,Se[a+9]
=t}function oa(){0==(0|Se[ti>>2])&&ba();var r=Me[vi+24>>2],a=0==(0|r);r:do if(a)var e=0,i=0,v=0;else for(var
t=Se[vi+436>>2],f=Me[vi+432>>2],_=vi+444|0,s=f-40-Se[vi+12>>2]|0;;){var
s,_,n=Me[_>>2],o=n+8|0;if(0==(7&o|0))var l=0;else var l=7&-o;for(var l,b=_+4|0,k=n+l|0,u=s;;){var
u,k;if(k>>>0<n>>>0)break;if(k>>>0>=(n+Se[b>>2]|0)>>>0|(0|k)==(0|r))break;var
c=Se[k+4>>2];if(7==(0|c))break;var h=c&-8,d=1==(3&c|0)?h:0,w=u-d|0,k=k+h|0,u=w}var
p=Me[_+8>>2];if(0==(0|p)){var e=t,i=f,v=u;break r}var _p,s=u}while(0);var
v,i,e,E=Se[Se[qe>>2]+12>>2],A=(Qa(E,0|He.__str339,(ne=Oe,Oe+=4,Se[ne>>2]=e,ne)),Se[Se[qe>>2]+12>>2]),g=

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(Qa(A,0|He.__str1340,(ne=Oe,Oe+=4,Se[ne>>2]=i,ne)),Se[Se[qe>>2]+12>>2]);Qa(g,0|He.__str2341,(ne=Oe,Oe+=
4,Se[ne>>2]=v,ne))}function la(r,a){var e,i,v,t=a>>>0>4294967231;r:do{if(!t){var f=r-8|0,_,f,i=(r-
4|0)>>2,s=Me[i],n=s&-8,o=n-8|0,l=r+o|0,b=f>>>0<Me[vi+16>>2]>>>0;do if(!b){var k=3&s;if(!(1!=(0|k)&(0|o)>-
8))break;var e=(r+(n-4)|0)>>2;if(0==(1&Se[e]|0))break;if(a>>>0<11)var u=16;else var u=a+11&-8;var
u,c=0==(0|k);do{if(c){var
h=ka(_,u),d=0,w=h;v=17;break}if(n>>>0<u>>>0){if((0|l)!=(0|Se[vi+24>>2])){v=21;break}var
p=Se[vi+12>>2]+n|0;if(p>>>0<u>>>0){v=21;break}var E=p-u|0,A=r+(u-8)|0;Se[i]=u|1&s|2;var g=1|E;Se[r+(u-
4)>>2]=g,Se[vi+24>>2]=A,Se[vi+12>>2]=E;var d=0,w=_,v=17;break}var y=n-u|0;if(y>>>0<=15){var
d=0,w=_,v=17;break}Se[i]=u|1&s|2,Se[r+(u-4)>>2]=3|y;var m=1|Se[e];Se[e]=m;var
d=r+u|0,w=_,v=17;break}while(0);do if(17==v){var w,d;if(0==(0|w))break;0!=(0|d)&&v(a,d);var S=w+8|0;break
r}while(0);var M=Jr(a);if(0==(0|M)){var S=0;break r}var C=0==(3&Se[i]|0)?8:4,R=n-
C|0,T=R>>>0<a>>>0?R:a;Pa(M,r,T,1),va(r);var S=M;break r}while(0);throw Ka(),"Reached an unreachable!"}var
O=Je();Se[O>>2]=12;var S=0}while(0);var S;return S}function ba(){if(0==(0|Se[ti>>2])){var r=qa(8);if(0!=(r-
1&r|0))throw Ka(),"Reached an unreachable!";Se[ti+8>>2]=r,Se[ti+4>>2]=r,Se[ti+12>>2]=
1,Se[ti+16>>2]=2097152,Se[ti+20>>2]=0,Se[vi+440>>2]=0;var a=$a(0);Se[ti>>2]=a&-16^1431655768}}function
ka(r,a){var e=Se[r+4>>2]&-8,i=a>>>0<256;do if(i)var v=0;else if(e>>>0>=(a+4|0)>>>0&&(e-
a|0)>>>0<=Se[ti+8>>2]<<1>>>0){var v=r;break}var v=0}while(0);var v;return v}function ua(r){for(var
a,e=vi+444|0,a=e>>2;){var e,i=Me[a];if(i>>>0<=r>>>0&&(i+Se[a+1]|0)>>>0>r>>>0){var v=e;break}var
t=Me[a+2];if(0==(0|t)){var v=0;break}var e=t,a=e>>2}var v;return v}function ca(r,a){var
e=r,i=r+8|0;if(0==(7&i|0))var v=0;else var v=7&-i;var v,t=a-
v|0;Se[vi+24>>2]=e+v|0,Se[vi+12>>2]=t,Se[v+(e+4)>>2]=1|t,Se[a+(e+4)>>2]=40;var
f=Se[ti+16>>2];Se[vi+28>>2]=f}function ha(){for(var r=0;;){var
r,a=r<<1,e=(a<<2)+vi+40|0;Se[vi+(a+3<<2)+40>>2]=e,Se[vi+(a+2<<2)+40>>2]=e;var
i=r+1|0;if(32==(0|i))break;var r=i}}function da(r,a,e){var i,v,t,f,_=a>>2,s=r>>2,n=r+8|0;if(0==(7&n|0))var o=0;else
var o=7&-n;var o,l=a+8|0;if(0==(7&l|0))var b=0,t=b>>2;else var b=7&-1,t=b>>2;var
b,k=a+b|0,u=k,c=o+e|0,v=c>>2,h=r+c|0,d=h,w=k-(r+o)-e|0;Se[(o+4)>>2]+s|=3|e;var
p=(0|u)==(0|Se[vi+24>>2]);r:do if(p){var E=Se[vi+12>>2]+w|0;Se[vi+12>>2]=E,Se[vi+24>>2]=d;var
A=1|E;Se[v+(s+1)]=A}else if((0|u)==(0|Se[vi+20>>2])){var
g=Se[vi+8>>2]+w|0;Se[vi+8>>2]=g,Se[vi+20>>2]=d;var y=1|g;Se[v+(s+1)]=y;var
m=r+g+c|0;Se[m>>2]=g}else{var S=Me[t+(_+1)];if(1==(3&S|0)){var M=S&-8,C=S>>>3,R=S>>>0<256;a:do
if(R){var T=Me[((8|b)>>2)+_],O=Me[t+(_+3)];if((0|T)!=(0|O)){var
N=((S>>>2&1073741822)<<2)+vi+40|0,I=(0|T)==(0|N);do{if(!I){if(T>>>0<Me[vi+16>>2]>>>0){f=18;break}f=1
5;break}f=15}while(0);do
if(15==f){if((0|O)!=(0|N)&&O>>>0<Me[vi+16>>2]>>>0)break;Se[T+12>>2]=O,Se[O+8>>2]=T;break
a}while(0);throw Ka(),"Reached an unreachable!"}var P=Se[vi>>2]&(1<<C^1);Se[vi>>2]=P}else{var
D=k,L=Me[((24|b)>>2)+_],F=Me[t+(_+3)],X=(0|F)==(0|D);do if(X){var
j=16|b,U=j+(a+4)|0,x=Se[U>>2];if(0==(0|x)){var z=a+j|0,V=Se[z>>2];if(0==(0|V)){var B=0,i=B>>2;break}var
H=z,K=V}else{var H=U,K=x;f=25}for(;;){var K,H,Y=K+20|0,G=Se[Y>>2];if(0==(0|G)){var
W=K+16|0,Z=Me[W>>2];if(0==(0|Z))break;var H=W,K=Z}else var
H=Y,K=G}if(H>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[H>>2]=0;var
B=K,i=B>>2}else{var Q=Me[((8|b)>>2)+_];if(Q>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[Q+12>>2]=F,Se[F+8>>2]=Q;var B=F,i=B>>2}while(0);var B;if(0==(0|L))break;var
q=b+(a+28)|0,$=(Se[q>>2]<<2)+vi+304|0,J=(0|D)==(0|Se[$>>2]);do{if(J){if(Se[$>>2]=B,0!=(0|B))break;var
rr=Se[vi+4>>2]&(1<<Se[q>>2]^1);Se[vi+4>>2]=rr;break a}if(L>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached
an unreachable!";var ar=L+16|0;if((0|Se[ar>>2])==(0|D)?Se[ar>>2]=B:Se[L+20>>2]=B,0==(0|B))break
a}while(0);if(B>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[i+6]=L;var
er=16|b,ir=Me[er>>2]+_;if(0!=(0|ir)){if(ir>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[i+4]=ir,Se[ir+24>>2]=B}var

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vr=Me[(er+4>>2)+_];if(0==(0|vr))break;if(vr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[i+5]=vr,Se[vr+24>>2]=B}while(0);var tr=a+(M|b)|0,fr=M+w|0}else var tr=u,fr=w;var
fr,tr,_r=tr+4|0,sr=Se[_r>>2]&-2;if(Se[_r>>2]=sr,Se[v+(s+1)]=1|fr,Se[(fr>>2)+s+v]=fr,fr>>>0<256){var
nr=fr>>>2&1073741822,or=(nr<<2)+vi+40|0,lr=Me[vi>>2],br=1<<(fr>>>3),kr=0==(lr&br|0);do{if(!kr){var
ur=(nr+2<<2)+vi+40|0,cr=Me[ur>>2];if(cr>>>0>=Me[vi+16>>2]>>>0){var hr=cr,dr=ur;break}throw
Ka(),"Reached an unreachable!"}Se[vi>>2]=lr|br;var hr=or,dr=(nr+2<<2)+vi+40|0}while(0);var
dr,hr;Se[dr>>2]=d,Se[hr+12>>2]=d,Se[v+(s+2)]=hr,Se[v+(s+3)]=or}else{var wr=h,pr=fr>>>8,Er=0==(0|pr);do
if(Er)var Ar=0;else{if(fr>>>0>16777215){var Ar=31;break}var
gr=(pr+1048320|0)>>>16&8,yr=pr<<gr,mr=(yr+520192|0)>>>16&4,Sr=yr<<mr,Mr=(Sr+245760|0)>>>16&2,Cr=1
4-(mr|gr|Mr)+(Sr<<Mr>>>15)|0,Ar=fr>>>((Cr+7|0)>>>0)&1|Cr<<1}while(0);var
Ar,Rr=(Ar<<2)+vi+304|0;Se[v+(s+7)]=Ar;var Tr=c+(r+16)|0;Se[v+(s+5)]=0,Se[Tr>>2]=0;var
Or=Se[vi+4>>2],Nr=1<<Ar;if(0==(Or&Nr|0)){var
Ir=Or|Nr;Se[vi+4>>2]=Ir,Se[Rr>>2]=wr,Se[v+(s+6)]=Rr,Se[v+(s+3)]=wr,Se[v+(s+2)]=wr}else{if(31==(0|Ar))var
Pr=0;else var Pr=25-(Ar>>>1)|0;for(var Pr,Dr=fr<<Pr,Lr=Se[Rr>>2];;){var Lr,Dr;if((Se[Lr+4>>2]&-
8|0)==(0|fr)){var Fr=Lr+8|0,Xr=Me[Fr>>2],jr=Me[vi+16>>2],Ur=Lr>>>0<jr>>>0;do
if(!Ur){if(Xr>>>0<jr>>>0)break;Se[Xr+12>>2]=wr,Se[Fr>>2]=wr,Se[v+(s+2)]=Xr,Se[v+(s+3)]=Lr,Se[v+(s+6)]=0
;break r}while(0);throw Ka(),"Reached an unreachable!"}var
xr=(Dr>>>31<<2)+Lr+16|0,zr=Me[xr>>2];if(0==(0|zr)){if(xr>>>0>=Me[vi+16>>2]>>>0){Se[xr>>2]=wr,Se[v+(s
+6)]=Lr,Se[v+(s+3)]=wr,Se[v+(s+2)]=wr;break r}throw Ka(),"Reached an unreachable!"}var
Dr=Dr<<1,Lr=zr}}while(0);return r+(8|o)|0}function wa(r){return 0|He.__str3342}function pa(r){return
0|He.__str14343}function Ea(r){Se[r>>2]=si+8|0}function Aa(r){0!=(0|r)&&va(r)}function ga(r){ya(r);var
a=r;Aa(a)}function ya(r){var a=0|r;Ye(a)}function ma(r){var a=0|r;Ea(a),Se[r>>2]=ni+8|0}function Sa(r){var
a=0|r;ya(a);var e=r;Aa(e)}function Ma(r,a){var
e,i,v=Me[vi+24>>2],i=v>>2,t=v,f=ua(t),_=Se[f>>2],s=Se[f+4>>2],n=_+s|0,o=_+(s-39)|0;if(0==(7&o|0))var
l=0;else var l=7&-o;var l,b=_+(s-47)+l|0,k=b>>>0<(v+16|0)>>>0?t:b,u=k+8|0,e=u>>2,c=u,h=r,d=a-40|0;ca(h,d);var
w=k+4|0;Se[w>>2]=27,Se[e]=Se[vi+444>>2],Se[e+1]=Se[vi+448>>2],Se[e+2]=Se[vi+452>>2],Se[e+3]=Se[vi+45
6>>2],Se[vi+444>>2]=r,Se[vi+448>>2]=a,Se[vi+456>>2]=0,Se[vi+452>>2]=c;var p=k+28|0;Se[p>>2]=7;var
E=(k+32|0)>>>0<n>>>0;r:do if(E)for(var A=p;;){var A,g=A+4|0;if(Se[g>>2]=7,(A+8|0)>>>0>n>>>0)break r;var
A=g}while(0);var y=(0|k)==(0|t);r:do if(!y){var m=k-v|0,S=t+m|0,M=m+(t+4)|0,C=Se[M>>2]&-2;Se[M>>2]=C;var
R=1|m;Se[i+1]=R;var T=S;if(Se[T>>2]=m,m>>>0<256){var
O=m>>>2&1073741822,N=(O<<2)+vi+40|0,I=Me[vi>>2],P=1<<(m>>>3),D=0==(I&P|0);do{if(!D){var
L=(O+2<<2)+vi+40|0,F=Me[L>>2];if(F>>>0>=Me[vi+16>>2]>>>0){var X=F,j=L;break}throw Ka(),"Reached an
unreachable!"}var U=I|P;Se[vi>>2]=U;var X=N,j=(O+2<<2)+vi+40|0}while(0);var
j,X;Se[j>>2]=v,Se[X+12>>2]=v,Se[i+2]=X,Se[i+3]=N}else{var x=v,z=m>>>8,V=0==(0|z);do if(V)var
B=0;else{if(m>>>0>16777215){var B=31;break}var
H=(z+1048320|0)>>>16&8,K=z<<H,Y=(K+520192|0)>>>16&4,G=K<<Y,W=(G+245760|0)>>>16&2,Z=14-
(Y|H|W)+(G<<W>>>15)|0,B=m>>>((Z+7|0)>>>0)&1|Z<<1}while(0);var
B,Q=(B<<2)+vi+304|0;Se[i+7]=B,Se[i+5]=0,Se[i+4]=0;var q=Se[vi+4>>2],$=1<<B;if(0==(q&$|0)){var
J=q|$;Se[vi+4>>2]=J,Se[Q>>2]=x,Se[i+6]=Q,Se[i+3]=v,Se[i+2]=v}else{if(31==(0|B))var rr=0;else var rr=25-
(B>>>1)|0;for(var rr,ar=m<<rr,er=Se[Q>>2];;){var er,ar;if((Se[er+4>>2]&-8|0)==(0|m)){var
ir=er+8|0,vr=Me[ir>>2],tr=Me[vi+16>>2],fr=er>>>0<tr>>>0;do
if(!fr){if(vr>>>0<tr>>>0)break;Se[vr+12>>2]=x,Se[ir>>2]=x,Se[i+2]=vr,Se[i+3]=er,Se[i+6]=0;break
r}while(0);throw Ka(),"Reached an unreachable!"}var
_r=(ar>>>31<<2)+er+16|0,sr=Me[_r>>2];if(0==(0|sr)){if(_r>>>0>=Me[vi+16>>2]>>>0){Se[_r>>2]=x,Se[i+6]=er,
Se[i+3]=v,Se[i+2]=v;break r}throw Ka(),"Reached an unreachable!"}var ar=ar<<1,er=sr}}while(0)}function
Ca(r){return d(r)}function Ra(r,a){var e=0;do Ae[r+e]=Ae[a+e],e++;while(0!=Ae[a+e-1]);return r}function
Ta(){var r=Ta;return
r.LLVM_SAVEDSTACKS|(r.LLVM_SAVEDSTACKS=[]),r.LLVM_SAVEDSTACKS.push(le.stackSave()),r.LL

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VM_SAVEDSTACKS.length-1}function Oa(r){var
a=Ta,e=a.LLVM_SAVEDSTACKS[r];a.LLVM_SAVEDSTACKS.splice(r,1),le.stackRestore(e)}function
Na(r,a,e){for(var i=0;i<e;){var v=Ae[r+i],t=Ae[a+i];if(v==t&&0==v)return 0;if(0==v)return-1;if(0==t)return
1;if(v!=t)return v>t?1:-1;i++}return 0}function Ia(r,a){var e=Ca(r),i=0;do Ae[r+e+i]=Ae[a+i],i++;while(0!=Ae[a+i-
1]);return r}function Pa(r,a,e,i){if(e>=20&&a%2==r%2)if(a%4==r%4){for(var
v=a+e;a%4;){Ae[r++]=Ae[a++];for(var
t=a>>2,f=r>>2,_=v>>2;t<_;)Se[f++]=Se[t++];for(a=t<<2,r=f<<2;a<v;)Ae[r++]=Ae[a++]}else{var
v=a+e;a%2&&(Ae[r++]=Ae[a++]);for(var
s=a>>1,n=r>>1,o=v>>1;s<o;)ye[n++]=ye[s++];a=s<<1,r=n<<1,a<v&&(Ae[r++]=Ae[a++])}else for(;e--
;)Ae[r++]=Ae[a++]}function Da(r,a){return Na(r,a,Le)}function La(r,a,e){for(var i=0;i<e;i++){var
v=Ae[r+i],t=Ae[a+i];if(v!=t)return v>t?1:-1}return 0}function Fa(r,a,e,i){if(e>=20){for(var
v=r+e;r%4;){Ae[r++]=a;a<0&&(a+=256);for(var
t=r>>2,f=v>>2,_=a|a<<8|a<<16|a<<24;t<f;)Se[t++]=_;for(r=t<<2;r<v;)Ae[r++]=a}else for(;e--
;)Ae[r++]=a}function Xa(r,a,e,i){throw"Assertion failed: \"s(i)+\", at: \"[s(r),a,s(e)]}function ja(r){var
a=d(r),e=Jr(a+1);return Pa(e,r,a,1),Ae[e+a]=0,e}function Ua(r,a){function e(r){var
e;return"double\"===r?(xe[0]=Se[a+_>>2],xe[1]=Se[a+_+4>>2],e=ze[0]):\"i64\"===r?e=[Se[a+_>>2],Se[a+_+4>>2
]]:(r=\"i32\",e=Se[a+_>>2]),_+=le.getNativeFieldSize(r),e}for(var i,v,t,f=r,_=0,s=[];){var
n=f;if(i=Ae[f],0===i)break;if(v=Ae[f+1],i==\"%\".charCodeAt(0)){var
o=!1,l=!1,b=!1,k=!1;r:for(;;){switch(v){case\"+\".charCodeAt(0):o=!0;break;case\"-
\".charCodeAt(0):l=!0;break;case\"#\".charCodeAt(0):b=!0;break;case\"0\".charCodeAt(0):if(k)break
r;k=!0;break;default:break r}f++,v=Ae[f+1]}var u=0;if(v==\"*\".charCodeAt(0))u=e(\"i32\"),f++,v=Ae[f+1];else
for(;v==\"0\".charCodeAt(0)&&v<=\"9\".charCodeAt(0);)u=10*u+(v-\"0\".charCodeAt(0)),f++,v=Ae[f+1];var
c=!1;if(v==\".\".charCodeAt(0)){var h=0;if(c=!0,f++,v=Ae[f+1],v==\"*\".charCodeAt(0))h=e(\"i32\"),f++;else
for(;;){var d=Ae[f+1];if(d<\"0\".charCodeAt(0)||d>\"9\".charCodeAt(0))break;h=10*h+(d-
\"0\".charCodeAt(0)),f++}v=Ae[f+1]}else var h=6;var E;switch(String.fromCharCode(v)){case\"h\":var
A=Ae[f+2];A==\"h\".charCodeAt(0)?(f++,E=1):E=2;break;case\"l\":var
A=Ae[f+2];A==\"l\".charCodeAt(0)?(f++,E=8):E=4;break;case\"L\":case\"q\":case\"j\":E=8;break;case\"z\":case\"t\
\":case\"I\":E=4;break;default:E=null}if(E&&f++,v=Ae[f+1],[\"d\", \"i\", \"u\", \"o\", \"x\", \"X\", \"p\"].indexOf(String.f
romCharCode(v))!=1){var m=v==\"d\".charCodeAt(0)||v==\"i\".charCodeAt(0);E=E|4;var
t=e(\"i\"+8*E);if(8==E&&(t=le.makeBigInt(t[0],t[1],v==\"u\".charCodeAt(0))),E<=4){var S=Math.pow(256,E)-
1;t=(m?y:g)(t&S,8*E)}var
M,C=Math.abs(t),R=\":\":if(v==\"d\".charCodeAt(0)||v==\"i\".charCodeAt(0))M=y(t,8*E,1).toString(10);else
if(v==\"u\".charCodeAt(0))M=g(t,8*E,1).toString(10),t=Math.abs(t);else
if(v==\"o\".charCodeAt(0))M=(b?\"0\":\"\")+C.toString(8);else
if(v==\"x\".charCodeAt(0)||v==\"X\".charCodeAt(0)){if(R=b?\"0x\":\":\",t<0){t=-t,M=(C-1).toString(16);for(var
T=[],O=0;O<M.length;O++)T.push((15-
parseInt(M[O],16)).toString(16));for(M=T.join(\" \");M.length<2*E;)M=\"f\"+M}else
M=C.toString(16);v==\"X\".charCodeAt(0)&&(R=R.toUpperCase(),M=M.toUpperCase())}else
v==\"p\".charCodeAt(0)&&(0===C?M=\":(nil)\":(R=\":0x\",M=C.toString(16)));if(c)for(;M.length<h;)M=\":0\"+M;f
or(o&&(R=t<0?\"-\"+R:\"+\"+R);R.length+M.length<u;)!M+=\" \":k?M=\":0\"+M:R=\":
\"+R;M=R+M,M.split(\" \").forEach(function(r){s.push(r.charCodeAt(0))})}else
if([\\"f\", \"F\", \"e\", \"E\", \"g\", \"G\"].indexOf(String.fromCharCode(v))!=1){var
M,t=e(\"double\");if(isNaN(t))M=\":nan\",k=!1;else if(isFinite(t)){var
N=!1,I=Math.min(h,20);if(v==\"g\".charCodeAt(0)||v==\"G\".charCodeAt(0)){N=!0,h=h|1;var
P=parseInt(t.toExponential(I).split(\"e\")[1],10);h>P&&P>=-
4?(v=(v==\"g\".charCodeAt(0)?\"f\": \"F\").charCodeAt(0),h-
=P+1):(v=(v==\"g\".charCodeAt(0)?\"e\": \"E\").charCodeAt(0),h--
),I=Math.min(h,20)}v==\"e\".charCodeAt(0)||v==\"E\".charCodeAt(0)?(M=t.toExponential(I),/[eE]/-

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+)]\\d$/.test(M)&&(M=M.slice(0,-1)+"0"+M.slice(-
1));v!="f".charCodeAt(0)&&v!="F".charCodeAt(0)|(M=t.toFixed(I));var
D=M.split("e");if(N&&!b)for(;D[0].length>1&&D[0].indexOf(".")!==-1&&("0"===D[0].slice(-
1)||"."===D[0].slice(-1));D[0]=D[0].slice(0,-1);else for(b&&M.indexOf(".")===
1&&(D[0]+=".");h>I++;)D[0]+="0";M=D[0]+(D.length>1?"e"+D[1]:"");v=="E".charCodeAt(0)&&(M=M.to
UpperCase()),o&&t>=0&&(M=" "+M)}else M=(t<0?"-":"")+("inf",k=!1;for(;M.length<u;)!M+="\
":M=!k||"-"!=M[0]&&"+"!=M[0]?("k?"0":\
")+M:M[M[0]+"0"+M.slice(1);v<"a".charCodeAt(0)&&(M=M.toUpperCase()),M.split("").forEach(function(r){s.
push(r.charCodeAt(0))})}else if(v=="s".charCodeAt(0)){var
L,F=e("i8*");if(F?(L=w(F),c&&L.length>h&&(L=L.slice(0,h)):L=p("(null)",!0,!1)for(;L.length<u--;).s.push(\
".charCodeAt(0));if(s=s.concat(L),l)for(;L.length<u--;).s.push("\ ".charCodeAt(0))}else
if(v=="c".charCodeAt(0)){for(l&&.s.push(e("i8"));--u>0;).s.push("\ ".charCodeAt(0));l|.s.push(e("i8"))}else
if(v=="n".charCodeAt(0)){var X=e("i32*");Se[X>>2]=s.length}else if(v=="%" .charCodeAt(0)).s.push(i);else
for(var O=n;O<f+2;O++)s.push(Ae[O]);f+=2}else s.push(i),f+=1}return s}function xa(r,a,e,i){for(var
v=Ua(e,i),t=void 0===a?v.length:Math.min(v.length,a-1),f=0;f<t;f++)Ae[r+f]=v[f];return
Ae[r+f]=0,v.length}function za(r,a,e){return xa(r,void 0,a,e)}function Va(r){return r
in{32:0,9:0,10:0,11:0,12:0,13:0}}function Ba(r){return
r>="0".charCodeAt(0)&&r<="9".charCodeAt(0)}function Ha(r){for(var
a;(a=Ae[r])&&Va(a);r++;if(!a||Ba(a))return 0;for(var e=r;(a=Ae[e])&&Ba(a);e++;return
Math.floor(Number(s(r).substr(0,e-r)))}function Ka(r){throw ke=!0,\'ABORT: \' +r+\' , at \' +(new
Error).stack}function Ya(r){return Ya.ret||(Ya.ret=_([0,\'i32\',we)),Se[Ya.ret>>2]=r,r}function Ga(r,a,e,i){var
v=$e.streams[r];if(!v||v.object.isDevice)return Ya(Ge.EBADF),-1;if(v.isWrite){if(v.object.isFolder)return
Ya(Ge.EISDIR),-1;if(e<0||i<0)return Ya(Ge.EINVAL),-1;for(var t=v.object.contents;t.length<i;t.push(0);for(var
f=0;f<e;f++)t[f]=ge[a+f];return v.object.timestamp=Date.now(),f}return Ya(Ge.EACCES),-1}function
Wa(r,a,e){var i=$e.streams[r];if(i){if(i.isWrite){if(e<0)return Ya(Ge.EINVAL),-
1;if(i.object.isDevice){if(i.object.output){for(var v=0;v<e;v++)try{i.object.output(Ae[a+v])}catch(r){return
Ya(Ge.EIO),-1}return i.object.timestamp=Date.now(),v}return Ya(Ge.ENXIO),-1}var t=Ga(r,a,e,i.position);return
t!=-1&&(i.position+=t),t}return Ya(Ge.EACCES),-1}return Ya(Ge.EBADF),-1}function Za(r,a,e,i){var
v=e*a;if(0===v)return 0;var t=Wa(i,r,v);return t===-1?($e.streams[i]&&($e.streams[i].error=!0),-
1):Math.floor(t/a)}function Qa(r,a,e){var i=Ua(a,e),v=le.stackSave(),t=Za_(i,"i8",de),1,i.length,r);return
le.stackRestore(v,t)}function qa(r){switch(r){case 8:return Pe;case 54:case 56:case 21:case 61:case 63:case 22:case
67:case 23:case 24:case 25:case 26:case 27:case 69:case 28:case 101:case 70:case 71:case 29:case 30:case 199:case
75:case 76:case 32:case 43:case 44:case 80:case 46:case 47:case 45:case 48:case 49:case 42:case 82:case 33:case
7:case 108:case 109:case 107:case 112:case 119:case 121:return 200809;case 13:case 104:case 94:case 95:case
34:case 35:case 77:case 81:case 83:case 84:case 85:case 86:case 87:case 88:case 89:case 90:case 91:case 94:case
95:case 110:case 111:case 113:case 114:case 115:case 116:case 117:case 118:case 120:case 40:case 16:case 79:case
19:return-1;case 92:case 93:case 5:case 72:case 6:case 74:case 92:case 93:case 96:case 97:case 98:case 99:case
102:case 103:case 105:return 1;case 38:case 66:case 50:case 51:case 4:return 1024;case 15:case 64:case 41:return
32;case 55:case 37:case 17:return 2147483647;case 18:case 1:return 47839;case 59:case 57:return 99;case 68:case
58:return 2048;case 0:return 2097152;case 3:return 65536;case 14:return 32768;case 73:return 32767;case 39:return
16384;case 60:return 1e3;case 106:return 700;case 52:return 256;case 62:return 255;case 2:return 100;case 65:return
64;case 36:return 20;case 100:return 16;case 20:return 6;case 53:return 4}return Ya(Ge.EINVAL),-1}function
$a(r){var a=Math.floor(Date.now()/1e3);return r&&(Se[r>>2]=a),a}function Ja(){return Ya.ret}function re(r){var
a=re;a.called||(Ie=o(Ie),a.called=!0);var e=Ie;return 0!=r&&le.staticAlloc(r),e}function ae(){return
Se[ae.buf>>2]}function ee(r){r=r||Module.arguments,k();var a=null;return
Module._main&&(a=Module.callMain(r),Module.noExitRuntime||u()),a}var ie=[],ve=false,te="object"===typeof
window,fe="function"===typeof
importScripts,_e=!te&&!ve&&!fe;if(ve){print=function(r){process.stdout.write(r+"\\n\\n")},printErr=function(r){pr

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process.stderr.write(r+"\n\n");var se=require("fs");read=function(r){var a=se.readFileSync(r).toString();return
a||"^\n"==r[0]}(r=__dirname.split("^").slice(0,-
1).join("^")+"/src/"+r,a=se.readFileSync(r).toString()),a,load=function(a){r(read(a))},ie=process.argv.slice(2)}el
se if(!_e)this.read||(this.read=function(r){snarf(r)}),\nundefined\!="!typeof
scriptArgs?ie=scriptArgs:\nundefined\!="!typeof arguments&&(ie=arguments);else
if(te)this.print=printErr=function(r){console.log(r)},this.read=function(r){var a=new XMLHttpRequest;return
a.open("GET",r,!1),a.send(null),a.responseText},this.arguments&&(ie=arguments);else{if(!fe)throw\nUnknown
runtime environment. Where are we?";this.load=importScripts}\nundefined\!="!typeof
load&&\nundefined\!="!typeof read&&(this.load=function(a){r(read(a))}),\nundefined\!="!typeof
printErr&&(this.printErr=function(){}),\nundefined\!="!typeof
print&&(this.print=printErr);try{this.Module=Module}catch(r){this.Module=Module={}}Module.arguments||(Mod
ule.arguments=ie),Module.print&&(print=Module.print);var ne,oe,le={stackSave:function(){return
Oe},stackRestore:function(r){Oe=r},forceAlign:function(r,a){if(a=a||4,1==a)return
r;if(isNumber(r)&&isNumber(a))return Math.ceil(r/a)*a;if(isNumber(a)&&isPowerOfTwo(a)){var
e=log2(a);return\n((((\n+r+\n)+\n)+a-
1)+\n)>>\n+e+\n)<<\n+e+\n)\n}return\nMath.ceil((\n+r+\n)/\n+a+\n)*\n+a},isNumberType:function(r){return r in
le.INT_TYPES|r in le.FLOAT_TYPES},isPointerType:function(r){return\n*\n==r[r.length-
1]},isStructType:function(r){return!isPointerType(r)&&(!!/^[\[\]\d+\|\| x\|\| (.*)\|\|\|/\.test(r)||(!/<?{ [^]}*
}>?/\.test(r)||\n%\n==r[0]))},INT_TYPES:{i1:0,i8:0,i16:0,i32:0,i64:0},FLOAT_TYPES:{float:0,double:0},bitshift64:
function(r,e,i,v){var t=Math.pow(2,v)-1;if(v<32)switch(i){case"shl":return[r<<v,e<<v|(r&t<<32-v)>>>32-
v];case"ashr":return[(r>>>v|(e&t)<<32-v)>>>0,e>>>v>>>0];case"lshr":return[(r>>>v|(e&t)<<32-
v)>>>0,e>>>v]}else
if(32==v)switch(i){case"shl":return[0,r];case"ashr":return[e,(0e)<0?t:0];case"lshr":return[e,0]}else
switch(i){case"shl":return[0,r<<<v-32];case"ashr":return[e>>>v-32>>>0,(0e)<0?t:0];case"lshr":return[e>>>v-
32,0]}a(\nunknown bitshift64 op: \n+[value,i,v]),or64:function(r,a){var
e=0|r|(0|a),i=4294967296*(Math.round(r/4294967296)|Math.round(a/4294967296));return
e+i},and64:function(r,a){var
e=(0|r)&(0|a),i=4294967296*(Math.round(r/4294967296)&Math.round(a/4294967296));return
e+i},xor64:function(r,a){var
e=(0|r)^(0|a),i=4294967296*(Math.round(r/4294967296)^Math.round(a/4294967296));return
e+i},getNativeTypeSize:function(r,a){if(1==le.QUANTUM_SIZE)return 1;var
i={\n%i1\n":1,\n%i8\n":1,\n%i16\n":2,\n%i32\n":4,\n%i64\n":8,\n%float\n":4,\n%double\n":8}[\n%\n+r];if(!i)if(\n*\n==r[r.len
gth-1])i=le.QUANTUM_SIZE;else if(\ni\n==r[0]){var v=parseInt(r.substr(1));e(v%8==0),i=v/8}return
i},getNativeFieldSize:function(r){return
Math.max(le.getNativeTypeSize(r),le.QUANTUM_SIZE)},dedup:function(r,a){var e={};return
a?r.filter(function(r){return!e[r[a]]&&(e[r[a]]=!0,!0)}):r.filter(function(r){return!e[r]&&(e[r]=!0,!0)}),set:function(
){for(var r=\nobject\!="!typeof arguments[0]?arguments[0]:arguments,a={},e=0;e<r.length;e++)a[r[e]]=0;return
a},calculateStructAlignment:function(r){r.flatSize=0,r.alignSize=0;var a=[],e=-1;return
r.flatIndexes=r.fields.map(function(i){var
v,t;if(le.isNumberType(i)||le.isPointerType(i))v=le.getNativeTypeSize(i),t=v;else{if(!le.isStructType(i))throw\nUncl
ear type in struct: \n+i+\n, in \n+r.name_+\n ::
\n+dump(Types.types[r.name_]);v=Types.types[i].flatSize,t=Types.types[i].alignSize}t=r.packed?1:Math.min(t,le.Q
UANTUM_SIZE),r.alignSize=Math.max(r.alignSize,t);var f=le.alignMemory(r.flatSize,t);return
r.flatSize=f+v,e>=0&&a.push(f-
e),e=f,f}),r.flatSize=le.alignMemory(r.flatSize,r.alignSize),0==a.length?r.flatFactor=r.flatSize:1==le.dedup(a).lengt
h&&(r.flatFactor=a[0]),r.needsFlattening=1!=r.flatFactor,r.flatIndexes},generateStructInfo:function(r,a,i){var
v,t;if(a){if(i=i||0,v=(\nundefined\!="!typeof Types?le.typeInfo:Types.types)[a],!v)return
null;e(v.fields.length==r.length,\nNumber of named fields must match the type for \n+a),t=v.flatIndexes}else{var

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v={fields:r.map(function(r){return r[0]})};t=le.calculateStructAlignment(v)}var f={__size__:v.flatSize};return
a?r.forEach(function(r,a){if(!"string"===typeof r)f[r]=t[a]+i;else{var e;for(var _ in
r)e=_;f[e]=le.generateStructInfo(r[e],v.fields[a],t[a])}}):r.forEach(function(r,a){f[r[1]]=t[a]}),f,stackAlloc:function
(r){var a=Oe;return Oe+=r,Oe=Oe+3>>2<<2,a},staticAlloc:function(r){var a=Ie;return
Ie+=r,Ie=Ie+3>>2<<2,Ie=>Le&&l(),a},alignMemory:function(r,a){var e=r=Math.ceil(r/(a?4:1))*(a?4:1);return
e},makeBigInt:function(r,a,e){var i=e?(r>>>0)+4294967296*(a>>>0):(r>>>0)+4294967296*(0|a);return
i},QUANTUM_SIZE:4,__dummy__:0},be={MAX_ALLOWED:0,corrections:0,sigs:{},note:function(r,e,i){e||(this
.corrections++,this.corrections>=this.MAX_ALLOWED&&a("\\\\n\\\\nToo many
corrections!"))},print:function(){},ke=!1,ue=0,ce=this;Module.ccall=i,Module.setValue=t,Module.getValue=f;var
he=0,de=1,we=2;Module.ALLOC_NORMAL=he,Module.ALLOC_STACK=de,Module.ALLOC_STATIC=we,Mo
dule.allocate=_,Module.Pointer_stringify=s,Module.Array_stringify=n;var
pe,Ee,Ae,ge,ye,me,Se,Me,Ce,Re,Te,Oe,Ne,Ie,Pe=4096,De=Module.TOTAL_STACK||5242880,Le=Module.TOTA
L_MEMORY||10485760;Module.FAST_MEMORY||2097152;e(!(Int32Array&&Float64Array&&new
Int32Array(1).subarray&&new Int32Array(1).set),"Cannot fallback to non-typed array case: Code is too
specialized");var Fe=new ArrayBuffer(Le);Ae=new Int8Array(Fe),ye=new Int16Array(Fe),Se=new
Int32Array(Fe),ge=new Uint8Array(Fe),me=new Uint16Array(Fe),Me=new Uint32Array(Fe),Ce=new
Float32Array(Fe),Re=new Float64Array(Fe),Se[0]=255,e(255===ge[0]&&0===ge[3],"Typed arrays 2 must be run
on a little-endian system");var Xe=p("(null)");Ie=Xe.length;for(var
je=0;je<Xe.length;je++)Ae[je]=Xe[je];Module.HEAP=Ee,Module.HEAP8=Ae,Module.HEAP16=ye,Module.HEAP
32=Se,Module.HEAPU8=ge,Module.HEAPU16=me,Module.HEAPU32=Me,Module.HEAPF32=Ce,Module.HEAP
F64=Re,Te=Oe=le.alignMemory(Ie),Ne=Te+De;var
Ue=le.alignMemory(Ne,8),xe=(Ae.subarray(Ue),Se.subarray(Ue>>2)),ze=(Ce.subarray(Ue>>2),Re.subarray(Ue>>3
));Ne=Ue+8,Ie=o(Ne);var
Ve=[],Be=[];Module.Array_copy=c,Module.TypedArray_copy=h,Module.String_len=d,Module.String_copy=w,Mo
dule.intArrayFromString=p,Module.intArrayToString=E,Module.writeStringToMemory=A;var
He=[],Ke=0;O.X=1,N.X=1,V.X=1,H.X=1,G.X=1,W.X=1,q.X=1,$.X=1,rr.X=1,ar.X=1,er.X=1,vr.X=1,nr.X=1,or.X=
1,kr.X=1,hr.X=1,Ar.X=1,Sr.X=1,Tr.X=1,Ir.X=1,Pr.X=1,Dr.X=1,Lr.X=1,Fr.X=1,Xr.X=1,zr.X=1,Vr.X=1,Br.X=1,Gr
.X=1,$r.X=1,Module._malloc=Jr,Jr.X=1,ra.X=1,aa.X=1,ea.X=1,ia.X=1,Module._free=va,va.X=1,_a.X=1,sa.X=1,na
.X=1,oa.X=1,la.X=1,da.X=1,Ma.X=1;var
Ye,Ge={E2BIG:7,EACCES:13,EADDRINUSE:98,EADDRNOTAVAIL:99,EAFNOSUPPORT:97,EAGAIN:11,E
ALREADY:114,EBADF:9,EBADMSG:74,EBUSY:16,ECANCELED:125,ECHILD:10,ECONNABORTED:103,E
CONNREFUSED:111,ECONNRESET:104,EDEADLK:35,EDESTADDRREQ:89,EDOM:33,EDQUOT:122,EEXI
ST:17,EFAULT:14,EFBIG:27,EHOSTUNREACH:113,EIDRM:43,EILSEQ:84,EINPROGRESS:115,EINTR:4,EIN
VAL:22,EIO:5,EISCONN:106,EISDIR:21,ELOOP:40,EMFILE:24,EMLINK:31,EMSGSIZE:90,EMULTIHOP:72,
ENAMETOOLONG:36,ENETDOWN:100,ENETRESET:102,ENETUNREACH:101,ENFILE:23,ENOBUFS:105,
ENODATA:61,ENODEV:19,ENOENT:2,ENOEXEC:8,ENOLCK:37,ENOLINK:67,ENOMEM:12,ENOMSG:42,E
NOPROTOOPT:92,ENOSPC:28,ENOSR:63,ENOSTR:60,ENOSYS:38,ENOTCONN:107,ENOTDIR:20,ENOTEM
PTY:39,ENOTRECOVERABLE:131,ENOTSOCK:88,ENOTSUP:95,ENOTTY:25,ENXIO:6,E_OVERFLOW:75,E
OWNERDEAD:130,EPERM:1,EPIPE:32,EPROTO:71,EPROTONOSUPPORT:93,EPROTOTYPE:91,ERANGE:3
4,EROFS:30,ESPIPE:29,ESRCH:3,ESTALE:116,ETIME:62,ETIMEDOUT:110,ETXTBSY:26,EWOULDBLOCK:
11,EXDEV:18},We=0,Ze=0,Qe=0,qe=0,$e={currentPath:"\/",nextNode:2,streams:[null],ignorePermissions:!0,abso
lutePath:function(r,a){if(!"string"!==typeof r)return null;void
0===a&&(a=$e.currentPath),r&&"\/"===r[0]&&(a="\/");for(var
e=a+"\/"+r,i=e.split("\/").reverse(),v=["\/"];i.length;){var
t=i.pop();"\/"===t||"."===t||(".."===t?v.length>1&&v.pop():v.push(t))return
1===v.length?"\/":v.join("\/")},analyzePath:function(r,a,e){var
i={isRoot:!1,exists:!1,error:0,name:null,path:null,object:null,parentExists:!1,parentPath:null,parentObject:null};if(r=
$e.absolutePath(r),"\/"===r)i.isRoot=!0,i.exists=i.parentExists=!0,i.name="\/",i.path=i.parentPath="\/",i.object=i.pa

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rentObject=$e.root;else if(null!==(r)){e=e||0,r=r.slice(1).split("\^");for(var
v=$e.root,t=["\^"];r.length;){1==r.length&&v.isFolder&&(i.parentExists=!0,i.parentPath=1==t.length?\^:t.join("\^"),i.parentObject=v,i.name=r[0]);var
f=r.shift();if(!v.isFolder){i.error=Ge.ENOTDIR;break}if(!v.read){i.error=Ge.EACCES;break}if(!v.contents.hasOwn
nProperty(f)){i.error=Ge.ENOENT;break}if(v=v.contents[f],v.link&&(!a||0!=r.length)){if(e>40){i.error=Ge.ELOO
P;break}var _=$e.absolutePath(v.link,t.join("\^"));return
$e.analyzePath(_].concat(r).join("\^"),a,e+1)}t.push(f),0==r.length&&(i.exists=!0,i.path=t.join("\^"),i.object=v)}re
turn i}return i},findObject:function(r,a){$e.ensureRoot();var e=$e.analyzePath(r,a);return
e.exists?e.object:(Ya(e.error),null)},createObject:function(r,a,e,i,v){if(r||(r="\^"),\string\==typeof
r&&(r=$e.findObject(r)),!r)throw Ya(Ge.EACCES),new Error(\Parent path must exist.);if(!r.isFolder)throw
Ya(Ge.ENOTDIR),\new Error(\Parent must be a folder.);if(!r.write&&!$e.ignorePermissions)throw
Ya(Ge.EACCES),new Error(\Parent folder must be writeable.);if(!a||\.\."==a||\.\."==a)throw
Ya(Ge.ENOENT),new Error(\Name must not be empty.);if(r.contents.hasOwnProperty(a))throw
Ya(Ge.EEXIST),new Error(\Can't overwrite object.);r.contents[a]={read:void 0==i|i,write:void
0!=v&&v.timestamp>Date.now(),inodeNumber:$e.nextInode++};for(var t in
e)e.hasOwnProperty(t)&&(r.contents[a][t]=e[t]);return r.contents[a]},createFolder:function(r,a,e,i){var
v={isFolder:!0,isDevice:!1,contents:{}};return $e.createObject(r,a,v,e,i)},createPath:function(r,a,e,i){var
v=$e.findObject(r);if(null===v)throw new Error(\Invalid parent.);for(a=a.split("\^").reverse();a.length;){var
t=a.pop();t&&(v.contents.hasOwnProperty(t))?$e.createFolder(v,t,e,i),v=v.contents[t]}return
v},createFile:function(r,a,e,i,v){return
e.isFolder=!1,$e.createObject(r,a,e,i,v)},createDataFile:function(r,a,e,i,v){if(\string\==typeof e){for(var t=new
Array(e.length),f=0,_=e.length;f<_;++f)t[f]=e.charCodeAtAt(f);e=t}var s={isDevice:!1,contents:e};return
$e.createFile(r,a,s,i,v)},createLazyFile:function(r,a,e,i,v){var t={isDevice:!1,url:e};return
$e.createFile(r,a,t,i,v)},createLink:function(r,a,e,i,v){var t={isDevice:!1,link:e};return
$e.createFile(r,a,t,i,v)},createDevice:function(r,a,e,i){if(!e&&!i)throw new Error(\A device must have at least one
callback defined.);var v={isDevice:!0,input:e,output:i};return
$e.createFile(r,a,v,Boolean(e),Boolean(i))},forceLoadFile:function(r){if(r.isDevice||r.isFolder||r.link||r.contents)retur
n!0;var a=!0;if(\undefined\!=typeof XMLHttpRequest)e(\Cannot do synchronous binary XHRs in modern
browsers. Use --embed-file or --preload-file in emcc");else{if(\undefined\==typeof read)throw new
Error(\Cannot load without read() or XMLHttpRequest.);try{r.contents=p(read(r.url),!0)}catch(r){a=!1}}return
a||Ya(Ge.EIO),a},ensureRoot:function(){$e.root||($e.root={read:!0,write:!0,isFolder:!0,isDevice:!1,timestamp>Date.
now(),inodeNumber:1,contents:{}})},init:function(r,a,i){function
v(r){null===r||r===\\\\n\".charCodeAt(0)?(a.printer(a.buffer.join("\^"),a.buffer=[]):a.buffer.push(String.fromCharCode(r))}e!($e.init.initialized,\FS.init was previously called. If you want to initialize later with custom parameters,
remove any earlier calls (note that one is automatically added to the generated
code)\),$e.init.initialized=!0,$e.ensureRoot(),r=r||Module.stdin,a=a||Module.stdout,i=i||Module.stderr;var
t=!0,f=!0,s=!0;r||(t=!1,r=function(){if(!r.cache||!r.cache.length){var a;\undefined\!=typeof
window&&\function\==typeof window.prompt?a=window.prompt(\Input:):\function\==typeof
readline&&(a=readline()),a||(a=\^),r.cache=p(a+\\\n\,!0)}return
r.cache.shift()}),a||(f=!1,a=v),a.printer||(a.printer=print),a.buffer||(a.buffer=[]),i||(s=!1,i=v),i.printer||(i.printer=print),i
.buffer||(i.buffer=[]),$e.createFolder("\^","\tmp\,!0,!0);var
n=$e.createFolder("\^","\dev\,!0,!0),o=$e.createDevice(n,\stdin\",r),l=$e.createDevice(n,\stdout\",null,a),b=$e.cr
eateDevice(n,\stderr\",null,i),$e.createDevice(n,\tty\",r,a),$e.streams[1]={path:\/dev/stdin\",object:o,position:0,is
Read:!0,isWrite:!1,isAppend:!1,isTerminal:!t,error:!1,eof:!1,ungotten:[]),$e.streams[2]={path:\/dev/stdout\",object:
l,position:0,isRead:!1,isWrite:!0,isAppend:!1,isTerminal:!f,error:!1,eof:!1,ungotten:[]),$e.streams[3]={path:\/dev/s
tderr\",object:b,position:0,isRead:!1,isWrite:!0,isAppend:!1,isTerminal:!s,error:!1,eof:!1,ungotten:[]},We=_(1,\^\"vo
id*\",we),Ze=_(2,\void*\",we),Qe=_(3,\void*\",we),$e.createPath("\^","\dev/shm/tmp\,!0,!0),$e.streams[We]
=$e.streams[1],$e.streams[Ze]=$e.streams[2],$e.streams[Qe]=$e.streams[3],qe=_(\[_(0,0,0,0,We,0,0,0,Ze,0,0,0,Qe,

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37,115,37,115,0],\"i8\",we),He.__str1171=_([111,112,101,114,97,116,111,114,32,110,101,119,0],\"i8\",we),He.__str2172=_([111,112,101,114,97,116,111,114,32,100,101,108,101,116,101,0],\"i8\",we),He.__str3173=_([111,112,101,114,97,116,111,114,61,0],\"i8\",we),He.__str4174=_([111,112,101,114,97,116,111,114,62,62,0],\"i8\",we),He.__str5175=_([111,112,101,114,97,116,111,114,60,60,0],\"i8\",we),He.__str6176=_([111,112,101,114,97,116,111,114,33,0],\"i8\",we),He.__str7177=_([111,112,101,114,97,116,111,114,61,61,0],\"i8\",we),He.__str8178=_([111,112,101,114,97,116,111,114,33,61,0],\"i8\",we),He.__str9179=_([111,112,101,114,97,116,111,114,91,93,0],\"i8\",we),He.__str10180=_([111,112,101,114,97,116,111,114,32,0],\"i8\",we),He.__str11181=_([111,112,101,114,97,116,111,114,45,62,0],\"i8\",we),He.__str12182=_([111,112,101,114,97,116,111,114,42,0],\"i8\",we),He.__str13183=_([111,112,101,114,97,116,111,114,43,43,0],\"i8\",we),He.__str14184=_([111,112,101,114,97,116,111,114,45,45,0],\"i8\",we),He.__str15185=_([111,112,101,114,97,116,111,114,45,0],\"i8\",we),He.__str16186=_([111,112,101,114,97,116,111,114,43,0],\"i8\",we),He.__str17187=_([111,112,101,114,97,116,111,114,38,0],\"i8\",we),He.__str18188=_([111,112,101,114,97,116,111,114,45,62,42,0],\"i8\",we),He.__str19189=_([111,112,101,114,97,116,111,114,47,0],\"i8\",we),He.__str20190=_([111,112,101,114,97,116,111,114,37,0],\"i8\",we),He.__str21191=_([111,112,101,114,97,116,111,114,60,0],\"i8\",we),He.__str22192=_([111,112,101,114,97,116,111,114,60,61,0],\"i8\",we),He.__str23193=_([111,112,101,114,97,116,111,114,62,0],\"i8\",we),He.__str24194=_([111,112,101,114,97,116,111,114,62,61,0],\"i8\",we),He.__str25195=_([111,112,101,114,97,116,111,114,44,0],\"i8\",we),He.__str26196=_([111,112,101,114,97,116,111,114,40,41,0],\"i8\",we),He.__str27197=_([111,112,101,114,97,116,111,114,126,0],\"i8\",we),He.__str28198=_([111,112,101,114,97,116,111,114,94,0],\"i8\",we),He.__str29199=_([111,112,101,114,97,116,111,114,124,0],\"i8\",we),He.__str30200=_([111,112,101,114,97,116,111,114,38,38,0],\"i8\",we),He.__str31201=_([111,112,101,114,97,116,111,114,124,124,0],\"i8\",we),He.__str32202=_([111,112,101,114,97,116,111,114,42,61,0],\"i8\",we),He.__str33203=_([111,112,101,114,97,116,111,114,43,61,0],\"i8\",we),He.__str34204=_([111,112,101,114,97,116,111,114,45,61,0],\"i8\",we),He.__str35205=_([111,112,101,114,97,116,111,114,47,61,0],\"i8\",we),He.__str36206=_([111,112,101,114,97,116,111,114,37,61,0],\"i8\",we),He.__str37207=_([111,112,101,114,97,116,111,114,62,62,61,0],\"i8\",we),He.__str38208=_([111,112,101,114,97,116,111,114,60,60,61,0],\"i8\",we),He.__str39209=_([111,112,101,114,97,116,111,114,38,61,0],\"i8\",we),He.__str40210=_([111,112,101,114,97,116,111,114,124,61,0],\"i8\",we),He.__str41211=_([111,112,101,114,97,116,111,114,94,61,0],\"i8\",we),He.__str42212=_([96,118,102,116,97,98,108,101,39,0],\"i8\",we),He.__str43213=_([96,118,98,116,97,98,108,101,39,0],\"i8\",we),He.__str44214=_([96,118,99,97,108,108,39,0],\"i8\",we),He.__str45215=_([96,116,121,112,101,111,102,39,0],\"i8\",we),He.__str46216=_([96,108,111,99,97,108,32,115,116,97,116,105,99,32,103,117,97,114,100,39,0],\"i8\",we),He.__str47217=_([96,115,116,114,105,110,103,39,0],\"i8\",we),He.__str48218=_([96,118,98,97,115,101,32,100,101,115,116,114,117,99,116,111,114,39,0],\"i8\",we),He.__str49219=_([96,118,101,99,116,111,114,32,100,101,108,101,116,105,110,103,32,100,101,115,116,114,117,99,116,111,114,39,0],\"i8\",we),He.__str50220=_([96,100,101,102,97,117,108,116,32,99,111,110,115,116,114,117,99,116,111,114,32,99,108,111,115,117,114,101,39,0],\"i8\",we),He.__str51221=_([96,115,99,97,108,97,114,32,100,101,108,101,116,105,110,103,32,100,101,115,116,114,117,99,116,111,114,39,0],\"i8\",we),He.__str52222=_([96,118,101,99,116,111,114,32,99,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.__str53223=_([96,118,101,99,116,111,114,32,100,101,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.__str54224=_([96,118,101,99,116,111,114,32,118,98,97,115,101,32,99,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.__str55225=_([96,118,105,114,116,117,97,108,32,100,105,115,112,108,97,99,101,109,101,110,116,32,109,97,112,39,0],\"i8\",we),He.__str56226=_([96,101,104,32,118,101,99,116,111,114,32,99,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.__str57227=_([96,101,104,32,118,101,99,116,111,114,32,100,101,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.__str58228=_([96,101,104,32,118,101,99,116,111,114,32,118,98,97,115,101,32,99,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.__str59229=_([96,99,111,112,121,32,99,111,110,115,116,114,117,99,116,111,114,32,99,108,111,115,117,114,101,39,0],\"i8\",we),He.__str60230=_([37,115,37,115,32,96,82,84,84,73,32,84,121,112,101,32,68,101,115,99,114,105,112,116,111,114,39,0],\"i8\",we),He.__str61231=_([96,82,84,84,73,32,66,97,115,101,32,67,108,97,115,115,32,68,101,115,99,114,105,112,116,111,114,32,97,116,32,40,37,115,44,37,115,44,37,115,44,37,115,41,39,0],\"i8\",we),He.__str62232=_([96,82,84,84,73,32,66,97,115,101,32,67,108,97,115,115,1

15,32,65,114,114,97,121,39,0],\"i8\",we),He.__str63233=_(96,82,84,84,73,32,67,108,97,115,115,32,72,105,101,114,97,114,99,104,121,32,68,101,115,99,114,105,112,116,111,114,39,0],\"i8\",we),He.__str64234=_(96,82,84,84,73,32,67,111,109,112,108,101,116,101,32,79,98,106,101,99,116,32,76,111,99,97,116,111,114,39,0],\"i8\",we),He.__str65235=_(96,108,111,99,97,108,32,118,102,116,97,98,108,101,39,0],\"i8\",we),He.__str66236=_(96,108,111,99,97,108,32,118,102,116,97,98,108,101,32,99,111,110,115,116,114,117,99,116,111,114,32,99,108,111,115,117,114,101,39,0],\"i8\",we),He.__str67237=_(111,112,101,114,97,116,111,114,32,110,101,119,91,93,0],\"i8\",we),He.__str68238=_(111,112,101,114,97,116,111,114,32,100,101,108,101,116,101,91,93,0],\"i8\",we),He.__str69239=_(96,112,108,97,99,101,109,101,110,116,32,100,101,108,101,116,101,32,99,108,111,115,117,114,101,39,0],\"i8\",we),He.__str70240=_(96,112,108,97,99,101,109,101,110,116,32,100,101,108,101,116,101,91,93,32,99,108,111,115,117,114,101,39,0],\"i8\",we),He.__str71241=_(126,37,115,0],\"i8\",we),He.__str72242=_(117,110,100,110,97,109,101,46,99,0],\"i8\",we),He.__func__symbol_demangle=_(115,121,109,98,111,108,95,100,101,109,97,110,103,108,101,0],\"i8\",we),He.__str73243=_(115,121,109,45,62,114,101,115,117,108,116,0],\"i8\",we),He.__func__handle_template=_(104,97,110,100,108,101,95,116,101,109,112,108,97,116,101,0],\"i8\",we),He.__str74244=_(42,115,121,109,45,62,99,117,114,114,101,110,116,32,61,61,32,39,36,39,0],\"i8\",we),He.__func__str_array_get_ref=_(115,116,114,95,97,114,114,97,121,95,103,101,116,95,114,101,102,0],\"i8\",we),He.__str75245=_(99,114,101,102,0],\"i8\",we),He.__str76246=_(112,114,105,118,97,116,101,58,32,0],\"i8\",we),He.__str77247=_(112,114,111,116,101,99,116,101,100,58,32,0],\"i8\",we),He.__str78248=_(112,117,98,108,105,99,58,32,0],\"i8\",we),He.__str79249=_(115,116,97,116,105,99,32,0],\"i8\",we),He.__str80250=_(118,105,114,116,117,97,108,32,0],\"i8\",we),He.__str81251=_(91,116,104,117,110,107,93,58,37,115,0],\"i8\",we),He.__str82252=_(37,115,96,97,100,106,117,115,116,111,114,123,37,115,125,39,32,0],\"i8\",we),He.__str83253=_(37,115,32,37,115,0],\"i8\",we),He.__str84254=_(118,111,105,100,0],\"i8\",we),He.__str85255=_(37,115,37,115,37,115,0],\"i8\",we),He.__str86256=_(37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,0],\"i8\",we),He.__str87257=_(32,0],\"i8\",we),He.__str88258=_(100,108,108,95,101,120,112,111,114,116,32,0],\"i8\",we),He.__str89259=_(99,100,101,99,108,0],\"i8\",we),He.__str90260=_(112,97,115,99,97,108,0],\"i8\",we),He.__str91261=_(116,104,105,115,99,97,108,108,0],\"i8\",we),He.__str92262=_(115,116,100,99,97,108,108,0],\"i8\",we),He.__str93263=_(102,97,115,116,99,97,108,108,0],\"i8\",we),He.__str94264=_(99,108,114,99,97,108,108,0],\"i8\",we),He.__str95265=_(95,95,100,108,108,95,101,120,112,111,114,116,32,0],\"i8\",we),He.__str96266=_(95,95,99,100,101,99,108,0],\"i8\",we),He.__str97267=_(95,95,112,97,115,99,97,108,0],\"i8\",we),He.__str98268=_(95,95,116,104,105,115,99,97,108,108,0],\"i8\",we),He.__str99269=_(95,95,115,116,100,99,97,108,108,0],\"i8\",we),He.__str100270=_(95,95,102,97,115,116,99,97,108,108,0],\"i8\",we),He.__str101271=_(95,95,99,108,114,99,97,108,108,0],\"i8\",we),He.__str102272=_(95,95,112,116,114,54,52,0],\"i8\",we),He.__str103273=_(99,111,110,115,116,0],\"i8\",we),He.__str104274=_(118,111,108,97,116,105,108,101,0],\"i8\",we),He.__str105275=_(99,111,110,115,116,32,118,111,108,97,116,105,108,101,0],\"i8\",we),He.__func__get_class_string=_(103,101,116,95,99,108,97,115,115,95,115,116,114,105,110,103,0],\"i8\",we),He.__str106276=_(97,45,62,101,108,116,115,91,105,93,0],\"i8\",we),He.__str107277=_(123,102,111,114,32,96,37,115,39,125,0],\"i8\",we),He.__str108278=_(37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,0],\"i8\",we),He.__str109279=_(96,37,115,39,0],\"i8\",we),He.__str110280=_(46,46,46,0],\"i8\",we),He.__str111281=_(37,99,118,111,105,100,37,99,0],\"i8\",we),He.__str112282=_(37,115,44,37,115,0],\"i8\",we),He.__str113283=_(37,99,37,115,37,115,32,37,99,0],\"i8\",we),He.__str114284=_(37,99,37,115,37,115,37,99,0],\"i8\",we),He.__func__str_array_push=_(115,116,114,95,97,114,114,97,121,95,112,117,115,104,0],\"i8\",we),He.__str115285=_(112,116,114,0],\"i8\",we),He.__str116286=_(97,0],\"i8\",we),He.__str117287=_(97,45,62,101,108,116,115,91,97,45,62,110,117,109,93,0],\"i8\",we),He.__str118288=_(37,115,37,100,0],\"i8\",we),He.__str119289=_(45,0],\"i8\",we),He.__func__demangle_datatype=_(100,101,109,97,110,103,108,101,95,100,97,116,97,116,121,112,101,0],\"i8\",we),He.__str121291=_(99,116,0],\"i8\",we),He.__str122292=_(117,110,105,111,110,32,0],\"i8\",we),He.__str123293=_(115,116,114,117,99,116,32,0],\"i8\",we),He.__str124294=_(99,108,97,115,115,32,0],\"i8\",we),He.__str125295=_(99,111,105,110,116,101,114,102,97,99,101,32,0],\"i8\",we),He.__str126296=_(96,116,101,109,112,108,97,116,101,45,112,97,114,97,109,101,116,101,114,45,37,115,39,0],\"i8\",we),He.__str127297=_(37,115,37,115,32,40,37,115,42,0],\"i8\",we),He.__str128298=_(41,37,115,0],\"i8\",we),He.__str129299=_(101,110,117,109,32,37,115,0],\"i8\",we),He.__str130300=_(96,116,101,109,112,108,97,116,101,45,112,97,1

ri+96>>2]=0|He.__str11,Se[ri+100>>2]=0|He.__str12,Se[ri+112>>2]=0|He.__str13,Se[ri+116>>2]=0|He.__str14,Se[ri+128>>2]=0|He.__str15,Se[ri+132>>2]=0|He.__str16,Se[ri+144>>2]=0|He.__str17,Se[ri+148>>2]=0|He.__str18,Se[ri+160>>2]=0|He.__str19,Se[ri+164>>2]=0|He.__str20,Se[ri+176>>2]=0|He.__str21,Se[ri+180>>2]=0|He.__str22,Se[ri+192>>2]=0|He.__str23,Se[ri+196>>2]=0|He.__str24,Se[ri+208>>2]=0|He.__str25,Se[ri+212>>2]=0|He.__str26,Se[ri+224>>2]=0|He.__str27,Se[ri+228>>2]=0|He.__str28,Se[ri+240>>2]=0|He.__str29,Se[ri+244>>2]=0|He.__str30,Se[ri+256>>2]=0|He.__str31,Se[ri+260>>2]=0|He.__str32,Se[ri+272>>2]=0|He.__str33,Se[ri+276>>2]=0|He.__str34,Se[ri+288>>2]=0|He.__str35,Se[ri+292>>2]=0|He.__str36,Se[ri+304>>2]=0|He.__str37,Se[ri+308>>2]=0|He.__str38,Se[ri+320>>2]=0|He.__str39,Se[ri+324>>2]=0|He.__str40,Se[ri+336>>2]=0|He.__str41,Se[ri+340>>2]=0|He.__str42,Se[ri+352>>2]=0|He.__str43,Se[ri+356>>2]=0|He.__str44,Se[ri+368>>2]=0|He.__str45,Se[ri+372>>2]=0|He.__str46,Se[ri+384>>2]=0|He.__str47,Se[ri+388>>2]=0|He.__str48,Se[ri+400>>2]=0|He.__str49,Se[ri+404>>2]=0|He.__str119289,Se[ri+416>>2]=0|He.__str51,Se[ri+420>>2]=0|He.__str20,Se[ri+432>>2]=0|He.__str52,Se[ri+436>>2]=0|He.__str53,Se[ri+448>>2]=0|He.__str54,Se[ri+452>>2]=0|He.__str55,Se[ri+464>>2]=0|He.__str56,Se[ri+468>>2]=0|He.__str57,Se[ri+480>>2]=0|He.__str58,Se[ri+484>>2]=0|He.__str119289,Se[ri+496>>2]=0|He.__str59,Se[ri+500>>2]=0|He.__str60,Se[ri+512>>2]=0|He.__str61,Se[ri+516>>2]=0|He.__str62,Se[ri+528>>2]=0|He.__str63,Se[ri+532>>2]=0|He.__str64,Se[ri+544>>2]=0|He.__str65,Se[ri+548>>2]=0|He.__str66,Se[ri+560>>2]=0|He.__str67,Se[ri+564>>2]=0|He.__str68,Se[ri+576>>2]=0|He.__str69,Se[ri+580>>2]=0|He.__str70,Se[ri+592>>2]=0|He.__str71,Se[ri+596>>2]=0|He.__str72,Se[ri+608>>2]=0|He.__str73,Se[ri+612>>2]=0|He.__str74,Se[ri+624>>2]=0|He.__str75,Se[ri+628>>2]=0|He.__str76,Se[ri+640>>2]=0|He.__str77,Se[ri+644>>2]=0|He.__str72,Se[ri+656>>2]=0|He.__str78,Se[ri+660>>2]=0|He.__str79,Se[ri+672>>2]=0|He.__str80,Se[ri+676>>2]=0|He.__str81,Se[ri+688>>2]=0|He.__str82,Se[ri+692>>2]=0|He.__str83,Se[ri+704>>2]=0|He.__str84,Se[ri+708>>2]=0|He.__str85,Se[ri+720>>2]=0|He.__str86,Se[ri+724>>2]=0|He.__str87,Se[ri+736>>2]=0|He.__str88,Se[ri+740>>2]=0|He.__str89,Se[ri+752>>2]=0|He.__str90,Se[ri+756>>2]=0|He.__str91,Se[ri+768>>2]=0|He.__str92,Se[ri+772>>2]=0|He.__str91,Se[ai>>2]=0|He.__str145315,Se[ai+8>>2]=0|He.__str145315,Se[ai+20>>2]=0|He.__str167337,Se[ai+28>>2]=0|He.__str95,Se[ai+40>>2]=0|He.__str146316,Se[ai+48>>2]=0|He.__str97,Se[ai+60>>2]=0|He.__str155325,Se[ai+68>>2]=0|He.__str155325,Se[ai+80>>2]=0|He.__str156326,Se[ai+88>>2]=0|He.__str156326,Se[ai+100>>2]=0|He.__str154324,Se[ai+108>>2]=0|He.__str154324,Se[ai+120>>2]=0|He.__str101,Se[ai+128>>2]=0|He.__str101,Se[ai+140>>2]=0|He.__str147317,Se[ai+148>>2]=0|He.__str147317,Se[ai+160>>2]=0|He.__str150320,Se[ai+168>>2]=0|He.__str150320,Se[ai+180>>2]=0|He.__str151321,Se[ai+188>>2]=0|He.__str105,Se[ai+220>>2]=0|He.__str152322,Se[ai+228>>2]=0|He.__str152322,Se[ai+240>>2]=0|He.__str153323,Se[ai+248>>2]=0|He.__str153323,Se[ai+260>>2]=0|He.__str165335,Se[ai+268>>2]=0|He.__str165335,Se[ai+280>>2]=0|He.__str166336,Se[ai+288>>2]=0|He.__str166336,Se[ai+360>>2]=0|He.__str148318,Se[ai+368>>2]=0|He.__str148318,Se[ai+380>>2]=0|He.__str149319,Se[ai+388>>2]=0|He.__str149319,Se[ai+420>>2]=0|He.__str84254,Se[ai+428>>2]=0|He.__str84254,Se[ai+440>>2]=0|He.__str168338,Se[ai+448>>2]=0|He.__str146316,Se[ai+460>>2]=0|He.__str114,Se[ai+468>>2]=0|He.__str152322,Se[ai+480>>2]=0|He.__str115,Se[ai+488>>2]=0|He.__str115,Se[ai+500>>2]=0|He.__str110280,Se[ai+508>>2]=0|He.__str110280,Se[ei+4>>2]=0|He.__str152,Se[ei+12>>2]=0|He.__str152,Se[ei+32>>2]=0|He.__str153,Se[ei+40>>2]=0|He.__str153,Se[ei+48>>2]=0|He.__str154,Se[ei+60>>2]=0|He.__str155,Se[ei+68>>2]=0|He.__str155,Se[ei+76>>2]=0|He.__str156,Se[ei+88>>2]=0|He.__str157,Se[ei+96>>2]=0|He.__str158,Se[ei+104>>2]=0|He.__str156,Se[ei+116>>2]=0|He.__str159,Se[ei+124>>2]=0|He.__str160,Se[ei+132>>2]=0|He.__str161,Se[ei+144>>2]=0|He.__str162,Se[ei+152>>2]=0|He.__str163,Se[ei+160>>2]=0|He.__str164,Se[ei+172>>2]=0|He.__str165,Se[ei+180>>2]=0|He.__str166,Se[ei+188>>2]=0|He.__str167,Se[si+4>>2]=bi,Se[ni+4>>2]=ki,oi=([2,0,0,0,0],[\"i8*\",0,0,0,0],we),Se[bi>>2]=oi+8|0,Se[bi+4>>2]=0|He.__ZTSSSt9bad_alloc,Se[bi+8>>2]=li,Se[ki>>2]=oi+8|0,Se[ki+4>>2]=0|He.__ZTSSSt20bad_array_new_length,Se[ki+8>>2]=bi,ui=16,ci=6,hi=18,di=6,wi=6,pe=[0,0,Jr,0,va,0,ya,0,ga,0,wa,0,Sa,0,pa,0,0,0,0,0],Module.FUNCTION_TABLE=pe,Module.run=ee,Module.preRun&&Module.preRun(),0==Ke){ee()}Module.postRun&&Module.postRun(),Module.__cxa_demangle=G;var pi=v(\"__cxa_demangle\", \"string\", [\"string\", \"string\", \"number\", \"number\"]);return function(r){return pi(r,\"\",1,0)}();\n\n\", \"use strict\";\nObject.defineProperty(exports, \"__esModule\", { value: true });\n\nexports.chromeTreeToNodes = void 0;\n\nfunction treeToArray(root) {\n const nodes = [];\n function visit(node) {\n nodes.push({\n id: node.id,\n callFrame: {\n columnNumber: 0,\n

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functionName: node.functionName,\n          lineNumber: node.lineNumber,\n          scriptId: node.scriptId,\n          url: node.url,\n        },\n        hitCount: node.hitCount,\n        children: node.children.map(child =>\n        child.id),\n      });\n      node.children.forEach(visit);\n    }\n    visit(root);\n    return nodes;\n  }\n\nfunction\n  timestampsToDeltas(timestamps, startTime) {\n    return timestamps.map((timestamp, index) => {\n      const\n        lastTimestamp = index === 0 ? startTime * 1000000 : timestamps[index - 1];\n      return timestamp -\n        lastTimestamp;\n    });\n  }\n\n  * Convert the old tree-based format to the new flat-array based format\n\n  *\n\nfunction chromeTreeToNodes(content) {\n  // Note that both startTime and endTime are now in\n  microseconds\n  return {\n    samples: content.samples,\n    startTime: content.startTime * 1000000,\n    endTime: content.endTime * 1000000,\n    nodes: treeToArray(content.head),\n    timeDeltas:\n      timestampsToDeltas(content.timestamps, content.startTime),\n  };\n}\n\nexports.chromeTreeToNodes =\n  chromeTreeToNodes;\n\n"\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.Flamechart = void 0;\n\nconst utils_1 = require(\"./utils\");\nconst math_1 = require(\"./math\");\n\nclass\n  Flamechart {\n    constructor(source) {\n      this.source = source;\n      // Bottom to top\n      this.layers = [];\n      this.totalWeight = 0;\n      this.minFrameWidth = 1;\n      const stack = [];\n      const openFrame = (node, value)\n    => {\n      const parent = utils_1.lastOf(stack);\n      const frame = {\n        node,\n        parent,\n        children: [],\n        start: value,\n        end: value,\n      };\n      if (parent) {\n        parent.children.push(frame);\n      }\n      stack.push(frame);\n    };\n      this.minFrameWidth = Infinity;\n      const closeFrame = (node, value) => {\n        console.assert(stack.length > 0);\n        const stackTop =\n          stack.pop();\n        stackTop.end = value;\n        if (stackTop.end - stackTop.start === 0)\n          return;\n        const layerIndex = stack.length;\n        while (this.layers.length <= layerIndex)\n          this.layers.push([]);\n        this.layers[layerIndex].push(stackTop);\n        this.minFrameWidth =\n          Math.min(this.minFrameWidth, stackTop.end - stackTop.start);\n      };\n      this.totalWeight =\n        source.getTotalWeight();\n      source.forEachCall(openFrame, closeFrame);\n      if\n        (!isFinite(this.minFrameWidth))\n          this.minFrameWidth = 1;\n    }\n    getTotalWeight() {\n      return\n        this.totalWeight;\n    }\n    getLayers() {\n      return this.layers;\n    }\n    getColorBucketForFrame(frame) {\n      return this.source.getColorBucketForFrame(frame);\n    }\n    getMinFrameWidth() {\n      return\n        this.minFrameWidth;\n    }\n    formatValue(v) {\n      return this.source.formatValue(v);\n    }\n    getClampedViewportWidth(viewportWidth) {\n      const maxWidth = this.getTotalWeight();\n      // In order to\n      avoid floating point error, we cap the maximum zoom. In\n      // particular, it's important that at the maximum\n      zoom level, the total\n      // trace size + a viewport width is not equal to the trace size due to\n      // floating point\n      rounding.\n      // For instance, if the profile's total weight is 2^60, and the viewport\n      // size is 1,\n      trying to move one viewport width right will result in no\n      // change because 2^60 + 1 = 2^60 in floating point\n      arithmetic. JavaScript\n      // numbers are 64 bit floats, and therefore have 53 mantissa bits. You can\n      // see\n      this for yourself in the console. Try:\n      // > Math.pow(2, 60) + 1 === Math.pow(2, 60)\n      // true\n      // > Math.pow(2, 53) + 1 === Math.pow(2, 53)\n      // true\n      // > Math.pow(2, 52) + 1 ===\n      Math.pow(2, 52)\n      // false\n      // We use 2^40 as a cap instead, since we want to be able to make\n      small\n      // adjustments within a viewport width.\n      // For reference, this will still allow you to zoom\n      until 1 nanosecond fills\n      // the screen in a profile with a duration of over 18 minutes.\n      // >\n      Math.pow(2, 40) / (60 * Math.pow(10, 9))\n      // 18.325193796266667\n      // const maxZoom =\n      Math.pow(2, 40);\n      // In addition to capping zoom to avoid floating point error, we further cap\n      // zoom to\n      avoid letting you zoom in so that the smallest element more than\n      // fills the screen, since that probably isn't\n      useful. The final zoom cap is\n      // determined by the minimum zoom of either 2^40x zoom or the necessary\n      zoom\n      // for the smallest frame to fill the screen three times.\n      const minWidth = math_1.clamp(3 *  
      this.getMinFrameWidth(), maxWidth / maxZoom, maxWidth);\n      return math_1.clamp(viewportWidth,  
      minWidth, maxWidth);\n    }\n    // Given a desired config-space viewport rectangle, clamp the rectangle so\n    // that it fits within the given flamechart. This prevents the viewport from\n    // extending past the bounds of the  
    flamechart or zooming in too far.\n    getClampedConfigSpaceViewportRect({ configSpaceViewportRect,  
      renderInverted, }) {\n      const configSpaceSize = new math_1.Vec2(this.getTotalWeight(),

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this.getLayers().length);
    const width = this.getClampedViewportWidth(configSpaceViewportRect.size.x);
    const size = configSpaceViewportRect.size.withX(width);
    const origin =
    math_1.Vec2.clamp(configSpaceViewportRect.origin, new math_1.Vec2(0, renderInverted ? 0 : -1),
    math_1.Vec2.max(math_1.Vec2.zero, configSpaceSize.minus(size).plus(new math_1.Vec2(0, 1)));
    return
    new math_1.Rect(origin, configSpaceViewportRect.size.withX(width));
  }
}
exports.Flamechart =
Flamechart;
"use strict";
Object.defineProperty(exports, "__esModule", { value: true });
exports.Rect =
exports.AffineTransform = exports.Vec2 = exports.clamp = void 0;
function clamp(x, minVal, maxVal) {
  if (x < minVal)
    return minVal;
  if (x > maxVal)
    return maxVal;
  return x;
}
exports.clamp =
clamp;
let Vec2 = /** @class */ (() => {
  class Vec2 {
    constructor(x, y) {
      this.x = x;
      this.y = y;
    }
    withX(x) {
      return new Vec2(x, this.y);
    }
    withY(y) {
      return
      new Vec2(this.x, y);
    }
    plus(other) {
      return new Vec2(this.x + other.x, this.y + other.y);
    }
    minus(other) {
      return new Vec2(this.x - other.x, this.y - other.y);
    }
    times(scalar) {
      return new Vec2(this.x * scalar, this.y * scalar);
    }
    timesPointwise(other) {
      return new
      Vec2(this.x * other.x, this.y * other.y);
    }
    dividedByPointwise(other) {
      return new Vec2(this.x /
      other.x, this.y / other.y);
    }
    dot(other) {
      return this.x * other.x + this.y * other.y;
    }
    equals(other) {
      return this.x === other.x && this.y === other.y;
    }
    approxEquals(other, epsilon = 1e-9) {
      return Math.abs(this.x - other.x) < epsilon && Math.abs(this.y - other.y) < epsilon;
    }
    length2() {
      return this.dot(this);
    }
    length() {
      return Math.sqrt(this.length2());
    }
    abs() {
      return new Vec2(Math.abs(this.x), Math.abs(this.y));
    }
    static min(a, b) {
      return new Vec2(Math.min(a.x, b.x), Math.min(a.y, b.y));
    }
    static max(a, b) {
      return new
      Vec2(Math.max(a.x, b.x), Math.max(a.y, b.y));
    }
    static clamp(v, min, max) {
      return new
      Vec2(clamp(v.x, min.x, max.x), clamp(v.y, min.y, max.y));
    }
    flatten() {
      return [this.x,
      this.y];
    }
  }
  Vec2.zero = new Vec2(0, 0);
  Vec2.unit = new Vec2(1, 1);
  return
  Vec2;
})();
exports.Vec2 = Vec2;
class AffineTransform {
  constructor(m00 = 1, m01 = 0, m02 = 0, m10 = 0,
  m11 = 1, m12 = 0) {
    this.m00 = m00;
    this.m01 = m01;
    this.m02 = m02;
    this.m10 = m10;
    this.m11 = m11;
    this.m12 = m12;
  }
  withScale(s) {
    let { m00, m01, m02, m10, m11, m12 } =
    this;
    m00 = s.x;
    m11 = s.y;
    return new AffineTransform(m00, m01, m02, m10, m11, m12);
  }
  static withScale(s) {
    return new AffineTransform().withScale(s);
  }
  scaledBy(s) {
    return
    AffineTransform.withScale(s).times(this);
  }
  getScale() {
    return new Vec2(this.m00, this.m11);
  }
  withTranslation(t) {
    let { m00, m01, m02, m10, m11, m12 } = this;
    m02 = t.x;
    m12 = t.y;
    return new AffineTransform(m00, m01, m02, m10, m11, m12);
  }
  static withTranslation(t) {
    return
    new AffineTransform().withTranslation(t);
  }
  getTranslation() {
    return new Vec2(this.m02,
    this.m12);
  }
  translatedBy(t) {
    return AffineTransform.withTranslation(t).times(this);
  }
  static
  betweenRects(from, to) {
    return AffineTransform.withTranslation(from.origin.times(-1)).
    scaledBy(new Vec2(to.size.x / from.size.x, to.size.y / from.size.y)).translatedBy(to.origin);
  }
  times(other) {
    const m00 = this.m00 * other.m00 + this.m01 * other.m10;
    const m01 = this.m00 *
    other.m01 + this.m01 * other.m11;
    const m02 = this.m00 * other.m02 + this.m01 * other.m12 + this.m02;
    const m10 = this.m10 * other.m00 + this.m11 * other.m10;
    const m11 = this.m10 *
    other.m01 + this.m11 *
    other.m11;
    const m12 = this.m10 * other.m02 + this.m11 * other.m12 + this.m12;
    return new
    AffineTransform(m00, m01, m02, m10, m11, m12);
  }
  equals(other) {
    return (this.m00 === other.m00
    &&
    this.m01 === other.m01 &&
    this.m02 === other.m02 &&
    this.m10 === other.m10 &&
    this.m11 === other.m11 &&
    this.m12 === other.m12);
  }
  approxEquals(other, epsilon = 1e-9) {
    return (Math.abs(this.m00 - other.m00) < epsilon &&
    Math.abs(this.m01 - other.m01) < epsilon
    &&
    Math.abs(this.m02 - other.m02) < epsilon &&
    Math.abs(this.m10 - other.m10) < epsilon
    &&
    Math.abs(this.m11 - other.m11) < epsilon &&
    Math.abs(this.m12 - other.m12) < epsilon);
  }
  timesScalar(s) {
    const { m00, m01, m02, m10, m11, m12 } = this;
    return new AffineTransform(s
    * m00, s * m01, s * m02, s * m10, s * m11, s * m12);
  }
  det() {
    const { m00, m01, m02, m10, m11,
    m12 } = this;
    const m20 = 0;
    const m21 = 0;
    const m22 = 1;
    return (m00 * (m11 * m22 -

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m12 * m21) - m01 * (m10 * m22 - m12 * m20) + m02 * (m10 * m21 - m11 * m20));\n  }\n  adj() {\n    const {
m00, m01, m02, m10, m11, m12 } = this;\n    const m20 = 0;\n    const m21 = 0;\n    const m22 = 1;\n    //
Adjugate matrix (a) is the transpose of the\n    // cofactor matrix (c).\n    //\n    // 00 01 02\n    // 10 11 12\n    // 20 21 22\n    const a00 = /* c00 = */ +(m11 * m22 - m12 * m21);\n    const a01 = /* c10 = */ -(m01 * m22
- m02 * m21);\n    const a02 = /* c20 = */ +(m01 * m12 - m02 * m11);\n    const a10 = /* c01 = */ -(m10 *
m22 - m12 * m20);\n    const a11 = /* c11 = */ +(m00 * m22 - m02 * m20);\n    const a12 = /* c21 = */ -(m00
* m12 - m02 * m10);\n    return new AffineTransform(a00, a01, a02, a10, a11, a12);\n  }\n  inverted() {\n
const det = this.det();\n    if (det === 0)\n      return null;\n    const adj = this.adj();\n    return
adj.timesScalar(1 / det);\n  }\n  transformVector(v) {\n    return new Vec2(v.x * this.m00 + v.y * this.m01, v.x
* this.m10 + v.y * this.m11);\n  }\n  inverseTransformVector(v) {\n    const inv = this.inverted();\n    if
(!inv)\n      return null;\n    return inv.transformVector(v);\n  }\n  transformPosition(v) {\n    return new
Vec2(v.x * this.m00 + v.y * this.m01 + this.m02, v.x * this.m10 + v.y * this.m11 + this.m12);\n  }\n
inverseTransformPosition(v) {\n    const inv = this.inverted();\n    if (!inv)\n      return null;\n    return
inv.transformPosition(v);\n  }\n  transformRect(r) {\n    const size = this.transformVector(r.size);\n    const
origin = this.transformPosition(r.origin);\n    if (size.x < 0 && size.y < 0) {\n      return new
Rect(origin.plus(size), size.abs());\n    }\n    else if (size.x < 0) {\n      return new Rect(origin.withX(origin.x
+ size.x), size.abs());\n    }\n    else if (size.y < 0) {\n      return new Rect(origin.withY(origin.y + size.y),
size.abs());\n    }\n    return new Rect(origin, size);\n  }\n  inverseTransformRect(r) {\n    const inv =
this.inverted();\n    if (!inv)\n      return null;\n    return inv.transformRect(r);\n  }\n  flatten() {\n    //
Flatten into GLSL format\n    // prettier-ignore\n    return [\n      this.m00, this.m10, 0,\n      this.m01,
this.m11, 0,\n      this.m02, this.m12, 1,\n    ];\n  }\n}\n\nexports.AffineTransform = AffineTransform;\n\nlet
Rect = /** @class */ (( => {\n  class Rect {\n    constructor(origin, size) {\n      this.origin = origin;\n
this.size = size;\n    }\n    isEmpty() {\n      return this.width() === 0 || this.height() === 0;\n    }\n
width() {\n      return this.size.x;\n    }\n    height() {\n      return this.size.y;\n    }\n    left() {\n
return this.origin.x;\n    }\n    right() {\n      return this.left() + this.width();\n    }\n    top() {\n
return this.origin.y;\n    }\n    bottom() {\n      return this.top() + this.height();\n    }\n    topLeft() {\n
return this.origin;\n    }\n    topRight() {\n      return this.origin.plus(new Vec2(this.width(), 0));\n    }\n
bottomRight() {\n      return this.origin.plus(this.size);\n    }\n    bottomLeft() {\n      return
this.origin.plus(new Vec2(0, this.height()));\n    }\n    withOrigin(origin) {\n      return new Rect(origin,
this.size);\n    }\n    withSize(size) {\n      return new Rect(this.origin, size);\n    }\n    closestPointTo(p)
{\n      return new Vec2(clamp(p.x, this.left(), this.right()), clamp(p.y, this.top(), this.bottom()));\n    }\n
distanceFrom(p) {\n      return p.minus(this.closestPointTo(p)).length();\n    }\n    contains(p) {\n
return this.distanceFrom(p) === 0;\n    }\n    hasIntersectionWith(other) {\n      const top =
Math.max(this.top(), other.top());\n      const bottom = Math.max(top, Math.min(this.bottom(),
other.bottom()));\n      if (bottom - top === 0)\n        return false;\n      const left = Math.max(this.left(),
other.left());\n      const right = Math.max(left, Math.min(this.right(), other.right()));\n      if (right - left ===
0)\n        return false;\n      return true;\n    }\n    intersectWith(other) {\n      const topLeft =
Vec2.max(this.topLeft(), other.topLeft());\n      const bottomRight = Vec2.max(topLeft,
Vec2.min(this.bottomRight(), other.bottomRight()));\n      return new Rect(topLeft,
bottomRight.minus(topLeft));\n    }\n    equals(other) {\n      return this.origin.equals(other.origin) &&
this.size.equals(other.size);\n    }\n    approxEquals(other) {\n      return
this.origin.approxEquals(other.origin) && this.size.approxEquals(other.size);\n    }\n    area() {\n      return
this.size.x * this.size.y;\n    }\n  }\n  Rect.empty = new Rect(Vec2.zero, Vec2.zero);\n  Rect.unit = new
Rect(Vec2.zero, Vec2.unit);\n  Rect.NDC = new Rect(new Vec2(-1, -1), new Vec2(2, 2));\n  return
Rect;\n})();\n\nexports.Rect = Rect;\n\n", "(function(root, factory) {\n  'use strict';\n  // Universal Module Definition
(UMD) to support AMD, CommonJS/Node.js, Rhino, and browsers.\n\n  /* istanbul ignore next */\n  if (typeof
define === 'function' && define.amd) {\n    define('stackframe', [], factory);\n  } else if (typeof exports ===
'object') {\n    module.exports = factory();\n  } else {\n    root.StackFrame = factory();\n  }\n})(this, function)

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{\n  'use strict';\n  function _isNumber(n) {\n    return !isNaN(parseFloat(n)) && isFinite(n);\n  }\n\n  function _capitalize(str) {\n    return str.charAt(0).toUpperCase() + str.substring(1);\n  }\n\n  function _getter(p)\n  {\n    return function() {\n      return this[p];\n    };\n  }\n\n  var booleanProps = ['isConstructor', 'isEval',\n  'isNative', 'isToplevel'];\n  var numericProps = ['columnNumber', 'lineNumber'];\n  var stringProps = ['fileName',\n  'functionName', 'source'];\n  var arrayProps = ['args'];\n\n  var props = booleanProps.concat(numericProps,\n  stringProps, arrayProps);\n\n  function StackFrame(obj) {\n    if (!obj) return;\n    for (var i = 0; i <\n  props.length; i++) {\n      if (obj[props[i]] !== undefined) {\n        this['set' +\n  _capitalize(props[i])](obj[props[i]]);\n      }\n    }\n\n    StackFrame.prototype = {\n      getArgs:\n  function() {\n    return this.args;\n  },\n      setArgs: function(v) {\n        if\n  (Object.prototype.toString.call(v) !== '[object Array]') {\n          throw new TypeError('Args must be an\n  Array');\n        }\n        this.args = v;\n      },\n\n      getEvalOrigin: function() {\n        return\n  this.evalOrigin;\n      },\n      setEvalOrigin: function(v) {\n        if (v instanceof StackFrame) {\n          this.evalOrigin = v;\n        } else if (v instanceof Object) {\n          this.evalOrigin = new StackFrame(v);\n        } else {\n          throw new TypeError('Eval Origin must be an Object or StackFrame');\n        }\n      },\n\n      toString: function() {\n        var fileName = this.getFileName() || '';\n        var lineNumber =\n  this.getLineNumber() || '';\n        var columnNumber = this.getColumnNumber() || '';\n        var functionName =\n  this.getFunctionName() || '';\n        if (this.getIsEval()) {\n          if (fileName) {\n            return '[eval] (' +\n  fileName + ':\n  ' + lineNumber + ':\n  ' + columnNumber + ')';\n          }\n          return '[eval]:'\n  + lineNumber + ':\n  ' +\n  columnNumber;\n        }\n        if (functionName) {\n          return functionName + ' (' +\n  fileName + ':\n  ' +\n  lineNumber + ':\n  ' +\n  columnNumber + ')';\n        }\n        return fileName + ':\n  ' +\n  lineNumber + ':\n  ' +\n  columnNumber;\n      }\n    };\n\n    StackFrame.fromString = function StackFrame$$fromString(str) {\n      var\n  argsStartIndex = str.indexOf('(');\n      var argsEndIndex = str.lastIndexOf('');\n      var functionName =\n  str.substring(0, argsStartIndex);\n      var args = str.substring(argsStartIndex + 1, argsEndIndex).split(',');\n      var\n  locationString = str.substring(argsEndIndex + 1);\n\n      if (locationString.indexOf('@') === 0) {\n        var parts\n  = /\n  @(.\n  +)?(?:\n  (\\\n  d+))?(?:\n  (\\\n  d+))?$/\n  .exec(locationString, '');\n        var fileName = parts[1];\n        var lineNumber\n  = parts[2];\n        var columnNumber = parts[3];\n      }\n\n      return new StackFrame({\n        functionName: functionName,\n        args: args ||\n  undefined,\n        fileName: fileName,\n        lineNumber:\n  lineNumber ||\n  undefined,\n        columnNumber: columnNumber ||\n  undefined\n      });\n    }\n\n    for (var i = 0; i\n  < booleanProps.length; i++) {\n      StackFrame.prototype['get' + _capitalize(booleanProps[i])] =\n  _getter(booleanProps[i]);\n      StackFrame.prototype['set' + _capitalize(booleanProps[i])] = (function(p) {\n        return\n  function(v) {\n          this[p] = Boolean(v);\n        };\n      })(booleanProps[i]);\n    }\n\n    for (var j = 0;\n  j < numericProps.length; j++) {\n      StackFrame.prototype['get' + _capitalize(numericProps[j])] =\n  _getter(numericProps[j]);\n      StackFrame.prototype['set' + _capitalize(numericProps[j])] = (function(p) {\n        return\n  function(v) {\n          if (!_isNumber(v)) {\n            throw new\n  TypeError(p + ' must be a Number');\n          }\n          this[p] = Number(v);\n        };\n      })(numericProps[j]);\n    }\n\n    for (var k = 0; k <\n  stringProps.length; k++) {\n      StackFrame.prototype['get' + _capitalize(stringProps[k])] =\n  _getter(stringProps[k]);\n      StackFrame.prototype['set' + _capitalize(stringProps[k])] = (function(p) {\n        return\n  function(v) {\n          this[p] = String(v);\n        };\n      })(stringProps[k]);\n    }\n\n    return\n  StackFrame;\n  });\n\n  "exports = module.exports = require("../..../node_modules/css-loader/lib/css-\n  base.js")(false);\n\n  // imports\n\n  // module\n  nextExports.push([module.id, "\n  .Column__5OI48 {\n  \n  display: flex;\n  flex-direction: column;\n  align-items: center;\n  justify-content: center;\n  padding: 0\n  1rem;\n  }\n\n  .Header__322Sm {\n  \n  font-size: var(--font-size-sans-large);\n  margin-bottom:\n  0.5rem;\n  }\n\n  .Paragraph__22fN5 {\n  \n  text-align: center;\n  margin: 0;\n  }\n\n  .Link__36nzP {\n  \n  color: var(-\n  -color-link);\n  }\n\n  .LearnMoreRow__aWp1e {\n  \n  margin-top: 1rem;\n  color: var(--color-dim);\n  font-size:\n  var(--font-size-sans-small);\n  }\n\n  .Code__19uUo {\n  \n  color: var(--color-bridge-version-\n  number);\n  }\n\n  .MetaGKRow__1tKC1 {\n  \n  background: var(--color-background-hover);\n  padding: 0.25rem\n  0.5rem;\n  border-radius: 0.25rem;\n  margin-top: 1rem;\n  }", "\n  ");\n\n  // exports\n  nextExports.locals =\n  {\n    t:"Column": "\n  Column__5OI48",\n    t:"Header": "\n  Header__322Sm",\n    t:"Paragraph":

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\"Paragraph__22fN5\", \"Link\": \"Link__36nzP\", \"LearnMoreRow\":
\"LearnMoreRow__aWp1e\", \"Code\": \"Code__19uUo\", \"MetaGKRow\":
\"MetaGKRow__1tKC1\"};\", \"exports = module.exports = require(\"../../node_modules/css-loader/lib/css-
base.js\")(false);\";\" imports\n\n\n module\n\n\n exports.push([module.id, \".Content__2QeJf {\n width: 100%;\n
position: relative;\n flex: 1 1 auto;\n display: flex;\n flex-direction: column;\n align-items: center;\n justify-
content: center;\n}\n\n.Paragraph__svNsD {\n text-align: center;\n}\n\n.ErrorMessage__1LWbq {\n
margin: 0.5rem 0;\n color: var(--color-dim);\n font-family: var(--font-family-monospace);\n font-size: var(--
font-size-monospace-normal);\n}\n\n.Row__1Veyi {\n display: flex;\n flex-direction: row;\n align-items:
center;\n justify-content: center;\n flex-flow: wrap;\n}\n\n.EmptyStateContainer__2OQbO {\n text-align:
center;\n}\n\n.Header__2vzMq {\n font-size: var(--font-size-sans-large);\n margin-bottom:
0.5rem;\n}\n\n.WelcomeInstructionsList__2MnNw {\n}\n\n.WelcomeInstructionsListItem__3fOQr {\n
display: flex;\n align-items: center;\n line-height: 1.5rem;\n counter-increment:
li;\n}\n\n.WelcomeInstructionsListItem__3fOQr::before {\n content: counter(li);\n margin-right:
0.5rem;\n}\n\n.WelcomeInstructionsListItemLink__32D2G {\n color: var(--color-link);\n margin-left:
0.25rem;\n margin-right: 0.25rem;\n}\n\n.ImportButtonLabel__1m4fC {\n margin-left: 0.25rem;\n}\",
\"\"});\";\" exports\n\n\n locals = {\n\"Content\": \"Content__2QeJf\", \"Paragraph\":
\"Paragraph__svNsD\", \"ErrorMessage\": \"ErrorMessage__1LWbq\", \"Row\":
\"Row__1Veyi\", \"EmptyStateContainer\": \"EmptyStateContainer__2OQbO\", \"Header\":
\"Header__2vzMq\", \"WelcomeInstructionsList\":
\"WelcomeInstructionsList__2MnNw\", \"WelcomeInstructionsListItem\":
\"WelcomeInstructionsListItem__3fOQr\", \"WelcomeInstructionsListItemLink\":
\"WelcomeInstructionsListItemLink__32D2G\", \"ImportButtonLabel\":
\"ImportButtonLabel__1m4fC\"};\", \"exports = module.exports = require(\"../../node_modules/css-
loader/lib/css-base.js\")(false);\";\" imports\n\n\n module\n\n\n exports.push([module.id, \".Toolbar__1anMW {\n
height: 2.25rem;\n padding: 0 0.5rem;\n flex: 0 0 auto;\n display: flex;\n align-items: center;\n border-bottom:
1px solid var(--color-border);\n}\n\n.Content__3KVRW {\n padding: 0.5rem;\n user-select: none;\n
overflow: auto;\n}\n\n.List__DLnbX {\n list-style: none;\n margin: 0;\n padding:
0;\n}\n\n.ListItem__3Uw7N {\n flex: 1 1;\n margin: 0 0 0.5rem;\n}\n\n.Label__9ImgF {\n overflow:
hidden;\n text-overflow: ellipsis;\n font-weight: bold;\n flex: 1 1;\n}\n\n.Value__1E_uv {\n font-family:
var(--font-family-monospace);\n font-size: var(--font-size-monospace-normal);\n}\n\n.Row__327IN { \n
display: flex; \n flex-direction: row; \n align-items: center;\n border-top: 1px solid var(--color-border);\n
}\n\n.UnclickableSource__3Kp1w, \n\n.ClickableSource__1ExdQ {\n width: 100%;\n overflow: hidden;\n text-
overflow: ellipsis;\n font-family: var(--font-family-sans);\n font-size: var(--font-size-sans-
normal);\n}\n\n.UnclickableSource__3Kp1w {\n color: var(--color-dim);\n}\n\n.ClickableSource__1ExdQ
{\n color: var(--color-text);\n}\n\n.ClickableSource__1ExdQ:focus, \n\n.ClickableSource__1ExdQ: hover {\n
background-color: var(--color-background-hover);\n}\n\n\", \"\"});\";\" exports\n\n\n locals = {\n\"Toolbar\":
\"Toolbar__1anMW\", \"Content\": \"Content__3KVRW\", \"List\": \"List__DLnbX\", \"ListItem\":
\"ListItem__3Uw7N\", \"Label\": \"Label__9ImgF\", \"Value\": \"Value__1E_uv\", \"Row\":
\"Row__327IN\", \"UnclickableSource\": \"UnclickableSource__3Kp1w\", \"ClickableSource\":
\"ClickableSource__1ExdQ\"};\", \"exports = module.exports = require(\"../../node_modules/css-
loader/lib/css-base.js\")(false);\";\" imports\n\n\n module\n\n\n exports.push([module.id, \".VRule__2XiHw {\n
height: 20px;\n width: 1px;\n border-left: 1px solid var(--color-border);\n padding-left: 0.25rem;\n margin-left:
0.25rem;\n}\n\n\n**\n * https://developer.mozilla.org/en-
US/docs/Web/API/File/Using_files_from_web_applications\n\n\n*/\n\n.Input__2GKA7 {\n position: absolute
!important;\n height: 1px;\n width: 1px;\n overflow: hidden;\n clip: rect(1px, 1px, 1px,
1px);\n}\n\n\n.ErrorMessage__3yR0b {\n margin: 0.5rem 0;\n color: var(--color-dim);\n font-family: var(--
font-family-monospace);\n font-size: var(--font-size-monospace-normal);\n}\n\n\", \"\"});\";\" exports\n\n\n locals = {\n\"VRule\": \"VRule__2XiHw\", \"Input\":

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\"Input___2GKA7\",\\n\\t\"ErrorMessage\": \"ErrorMessage___3yR0b\\\"\\n\";\", \"exports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\\n// imports\\n\\n//
module\\nexports.push([module.id, \".Outer___2YMUU {\\n user-select: none;\\n cursor: pointer;\\n border-
bottom: 3px solid transparent;\\n padding-top: 4px;\\n padding-bottom: 1px;\\n display: flex;\\n align-items: flex-
end;\\n}\\n\\n.Outer___2YMUU: hover {\\n background-color: var(--color-
background);\\n}\\n}\\n\\n.Inner___TFCLU,\\n\\n.InnerSelected___2Qf2T {\\n width: 100%;\\n min-height: 2px;\\n
background-color: var(--color-commit-did-not-render-fill);\\n color: var(--color-commit-did-not-render-fill-
text);\\n}\\n}\\n\\n.InnerSelected___2Qf2T {\\n background-color: var(--color-button-active);\\n}\\n\", \"\"});\\n\\n//
exports\\nexports.locals = {\\n\\t\"Outer\": \"Outer___2YMUU\",\\n\\t\"Inner\":
\"Inner___TFCLU\",\\n\\t\"InnerSelected\": \"InnerSelected___2Qf2T\\\"\\n\";\", \"exports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\\n// imports\\n\\n//
module\\nexports.push([module.id, \".List___1_Mwa {\\n /*\\n * The decision to suppress the default (horizontal)
scroll bars is intentional.\\n * The snapshot selector is small enough that the scrollbar renders it essentially
useless.\\n * There are two alternative navigation mechanisms (arrow keys and arrow buttons).\\n * If necessary,
we could also expand the click-and-drag mechanism to scroll.\\n */\\n overflow-x: hidden
!important;\\n}\\n}\\n\\n.Tooltip___2j_4b {\\n margin-top: 2.5rem;\\n}\\n}\\n\\n.TooltipList___26ss7 {\\n list-style:
none;\\n padding: 0;\\n margin: 0;\\n}\\n}\\n\\n.TooltipListItem___3xWli {\\n display:
flex;\\n}\\n}\\n\\n.TooltipLabel___2xbrN {\\n font-weight: bold;\\n margin-right:
0.25rem;\\n}\\n}\\n\\n.TooltipLabel___2xbrN: after {\\n content: ':';\\n}\\n}\\n\\n.TooltipValue___1nc1C {\\n flex-grow: 1;\\n
text-align: end;\\n}\\n}\\n\\n.DurationsWrapper___10A0R {\\n flex-grow: 1;\\n}\\n}\\n\\n.DurationsList___NtAHH {\\n
list-style: none;\\n margin: 0 0 0 1rem;\\n padding: 0;\\n}\\n}\\n\\n.DurationsListItem___Q0jav {\\n display:
flex;\\n}\\n}\\n\\n.DurationsLabel___XxynS {\\n margin-right: 0.25rem;\\n}\\n}\\n\\n.DurationsLabel___XxynS: after {\\n
content: ':';\\n}\\n}\\n\\n.DurationsValue___1FRM8 {\\n flex-grow: 1;\\n text-align: end;\\n}\\n\", \"\"});\\n\\n//
exports\\nexports.locals = {\\n\\t\"List\": \"List___1_Mwa\",\\n\\t\"Tooltip\": \"Tooltip___2j_4b\",\\n\\t\"TooltipList\":
\"TooltipList___26ss7\",\\n\\t\"TooltipListItem\": \"TooltipListItem___3xWli\",\\n\\t\"TooltipLabel\":
\"TooltipLabel___2xbrN\",\\n\\t\"TooltipValue\": \"TooltipValue___1nc1C\",\\n\\t\"DurationsWrapper\":
\"DurationsWrapper___10A0R\",\\n\\t\"DurationsList\": \"DurationsList___NtAHH\",\\n\\t\"DurationsListItem\":
\"DurationsListItem___Q0jav\",\\n\\t\"DurationsLabel\": \"DurationsLabel___XxynS\",\\n\\t\"DurationsValue\":
\"DurationsValue___1FRM8\\\"\\n\";\", \"exports = module.exports = require(\"../../../../../node_modules/css-
loader/lib/css-base.js\")(false);\\n// imports\\n\\n// module\\nexports.push([module.id, \".Button___7tgtJ {\\n flex: 0 0
auto;\\n margin-left: 0.25rem;\\n}\\n}\\n\\n.Commits___2KF5W {\\n height: 100%;\\n min-width: 30px;\\n margin-
left: 0.25rem;\\n overflow: visible;\\n}\\n}\\n\\n.Commits___2KF5W: focus {\\n outline: none;\\n background-color: var(-
-color-button-background-focus);\\n}\\n}\\n\\n.IndexLabel___36CS7 {\\n flex: 0 0 auto;\\n white-space: nowrap;\\n
font-family: var(--font-family-monospace);\\n margin-left: 0.25rem;\\n}\\n}\\n\\n.NoCommits___3GzV1 {\\n height:
100%;\\n display: flex;\\n align-items: center;\\n justify-content: center;\\n color: var(--color-
dim);\\n}\\n}\\n\\n.Input___2QoRI {\\n background: none;\\n font-size: var(--font-size-sans-normal);\\n text-align:
right;\\n font-family: var(--font-family-monospace);\\n border: 1px solid transparent;\\n border-radius:
0.125rem;\\n padding: 0.125rem;\\n color: var(--color-attribute-editable-value);\\n}\\n}\\n\\n.Input___2QoRI: focus {\\n
background-color: var(--color-button-background-focus);\\n outline: none;\\n}\\n\", \"\"});\\n\\n//
exports\\nexports.locals = {\\n\\t\"Button\": \"Button___7tgtJ\",\\n\\t\"Commits\":
\"Commits___2KF5W\",\\n\\t\"IndexLabel\": \"IndexLabel___36CS7\",\\n\\t\"NoCommits\":
\"NoCommits___3GzV1\",\\n\\t\"Input\": \"Input___2QoRI\\\"\\n\";\", \"exports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\\n// imports\\n\\n//
module\\nexports.push([module.id, \".Updaters___ykaBk {\\n margin: 0 0
0.5rem;\\n}\\n}\\n\\n.NoUpdaters___2ZO7w,\\n\\n.Updater___f5nQz,\\n\\n.UnmountedUpdater___2Smse {\\n display:
block;\\n width: 100%;\\n text-align: left;\\n background: none;\\n border: none;\\n padding: 0.25rem 0.5rem;\\n
color: var(--color-text);\\n}\\n}\\n\\n.Updater___f5nQz: focus,\\n\\n.Updater___f5nQz: hover {\\n outline: none;\\n
background-color: var(--color-background-

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margin: 0.5rem 0;\n}\n\n.Link__5TAEG {\n color: var(--color-link);\n}\n\n// exports\nexports.locals
= {\n\t"Column": \"Column__3s3y6\",\n\t"Title": \"Title__2c8MM\",\n\t"ReleaseNotesLink\":
\"ReleaseNotesLink__2PYAH\",\n\t"Version": \"Version__34HO3\",\n\t"NpmCommand\":
\"NpmCommand__2IHg1\",\n\t"Paragraph\": \"Paragraph__3H72v\",\n\t"Link\":
\"Link__5TAEG\"\n};\n\nexports = module.exports = require(\"../../../../../node_modules/css-loader/lib/css-
base.js\")(false);\n\n// imports\n\n// module\nexports.push([module.id, \".Row__3IwJ6 { \n display: flex; \n
flex-direction: row; \n align-items: center; \n} \n\n.Column__w9Fle { \n display: flex; \n flex-direction:
column; \n align-items: center; \n} \n\n.Title__1PTyg { \n font-size: var(--font-size-sans-large); \n margin-
bottom: 0.5rem; \n} \n\n.ReleaseNotesLink__2_Y38 { \n color: var(--color-button-active); \n}\n\n//
exports\nexports.locals = {\n\t"Row": \"Row__3IwJ6\",\n\t"Column": \"Column__w9Fle\",\n\t"Title":
\"Title__1PTyg\",\n\t"ReleaseNotesLink\": \"ReleaseNotesLink__2_Y38\"\n};\n\nexports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\n\n// imports\n\n//
module\nexports.push([module.id, \".Command__2iS3V {\n background-color: var(--color-dimmest);\n
padding: 0.25rem 0.5rem;\n display: block;\n border-radius: 0.125rem;\n}\n\n//
exports\nexports.locals = {\n\t"Command": \"Command__2iS3V\"\n};\n\nexports = module.exports =
require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\n\n// imports\n\n//
module\nexports.push([module.id, \".DevTools__NAXvy {\n width: 100%;\n height: 100%;\n display: flex;\n
flex-direction: column;\n background-color: var(--color-background);\n color: var(--color-
text);\n}\n\n.TabBar__2aDHU {\n flex: 0 0 auto;\n display: flex;\n align-items: center;\n padding: 0
0.5rem;\n background-color: var(--color-background);\n border-top: 1px solid var(--color-border);\n font-family:
var(--font-family-sans);\n font-size: var(--font-size-sans-large);\n user-select: none;\n\n /* Electron drag area
*\n\n -webkit-app-region: drag;\n}\n\n.Spacer__1VPRF {\n flex: 1;\n}\n\n.TabContent__27Qz1 {\n flex: 1
1 100%;\n overflow: auto;\n -webkit-app-region: no-drag;\n}\n\n.DevToolsVersion__3_3UD {\n font-size:
var(--font-size-sans-normal);\n margin-right: 0.5rem;\n}\n\n.DevToolsVersion__3_3UD:before {\n font-size:
var(--font-size-sans-large);\n content: 'DevTools ';\n}\n\n@media screen and (max-width: 400px) {\n
.DevToolsVersion__3_3UD:before {\n content: \";\n }\n}\n\n@media screen and (max-width: 300px) {\n
.DevToolsVersion__3_3UD {\n display: none;\n }\n}\n\n.DevTools__NAXvy, .DevTools__NAXvy * {\n
box-sizing: border-box;\n -webkit-font-smoothing: var(--font-smoothing);\n}\n\n//
exports\nexports.locals = {\n\t"DevTools": \"DevTools__NAXvy\",\n\t"TabBar\":
\"TabBar__2aDHU\",\n\t"Spacer\": \"Spacer__1VPRF\",\n\t"TabContent\":
\"TabContent__27Qz1\",\n\t"DevToolsVersion\": \"DevToolsVersion__3_3UD\"\n};\n\n\nvar content =
require(\"../../../../../node_modules/css-loader/index.js??ref--6-1!/root.css\");\n\nif(typeof content === 'string')
content = [[module.id, content, \"]];\n\nvar transform;\nvar insertInto;\n\n\nvar options =
{ \"hmr\": true }\n\noptions.transform = transform\noptions.insertInto = undefined;\n\nvar update =
require(\"../../../../../node_modules/style-loader/lib/addStyles.js\")(content, options);\n\nif(content.locals)
module.exports = content.locals;\n\nif(module.hot) {\n\tmodule.hot.accept(\"../../../../../node_modules/css-
loader/index.js??ref--6-1!/root.css\", function() {\n\t\tvar newContent = require(\"../../../../../node_modules/css-
loader/index.js??ref--6-1!/root.css\");\n\t\tif(typeof newContent === 'string') newContent = [[module.id,
newContent, \"]];\n\t\tvar locals = (function(a, b) {\n\t\t\tvar key, idx = 0;\n\t\t\tfor(key in a) {\n\t\t\t\tif(!b ||
a[key] !== b[key]) return false;\n\t\t\t\tidx++;\n\t\t\t}\n\t\t\tfor(key in b) idx--;\n\t\t\treturn idx ===
0;\n\t\t}(content.locals, newContent.locals));\n\t\tif(!locals) throw new Error('Aborting CSS HMR due to changed
css-modules locals.);\n\t\tupdate(newContent);\n\t});\n\tmodule.hot.dispose(function() { update();
});\n\n\n}, \"exports = module.exports = require(\"../../../../../node_modules/css-loader/lib/css-base.js\")(false);\n\n//
imports\n\n// module\nexports.push([module.id, \":root {\n /* Font smoothing *\n --font-smoothing: auto;\n\n
/* GitHub.com system fonts *\n --font-family-monospace: 'SFMono-Regular', Consolas, 'Liberation Mono',
Menlo,\n Courier, monospace;\n --font-family-sans: -apple-system, BlinkMacSystemFont, Segoe UI,
Helvetica,\n Arial, sans-serif, Apple Color Emoji, Segoe UI Emoji, Segoe UI Symbol;\n}\n\n//
exports\n\n\", \"**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the

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MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n *\n\nexport
default class EventEmitter<Events: Object> {\n  listenersMap: Map<string, Array<Function>> = new Map();\n\n  addListener<Event: $Keys<Events>>(\n    event: Event,\n    listener: (...$ElementType<Events, Event>) => any,\n  ): void {\n    const listeners = this.listenersMap.get(event);\n    if (listeners === undefined) {\n      this.listenersMap.set(event, [listener]);\n    } else {\n      const index = listeners.indexOf(listener);\n      if (index < 0)\n        listeners.push(listener);\n    }\n  }\n\n  emit<Event: $Keys<Events>>(\n    event: Event,\n    ...args: $ElementType<Events, Event>\n  ): void {\n    const listeners = this.listenersMap.get(event);\n    if (listeners !== undefined) {\n      if (listeners.length === 1) {\n        // No need to clone or try/catch\n        const listener = listeners[0];\n        listener.apply(null, args);\n      } else {\n        let didThrow = false;\n        let caughtError = null;\n        const clonedListeners = Array.from(listeners);\n        for (let i = 0; i < clonedListeners.length; i++) {\n          const listener = clonedListeners[i];\n          try {\n            listener.apply(null, args);\n          } catch (error) {\n            if (caughtError === null) {\n              didThrow = true;\n              caughtError = error;\n            }\n          }\n        }\n        if (didThrow) {\n          throw caughtError;\n        }\n      }\n    }\n  }\n\n  removeAllListeners(): void {\n    this.listenersMap.clear();\n  }\n\n  removeListener(event: $Keys<Events>, listener: Function): void {\n    const listeners = this.listenersMap.get(event);\n    if (listeners !== undefined) {\n      const index = listeners.indexOf(listener);\n      if (index >= 0) {\n        listeners.splice(index, 1);\n      }\n    }\n  }\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n *\n\nimport EventEmitter from './events';\nimport type {ComponentFilter, Wall} from './types';\nimport type {\n  InspectedElementPayload,\n  OwnersList,\n  ProfilingDataBackend,\n  RendererID,\n  ConsolePatchSettings,\n} from 'react-devtools-shared/src/backend/types';\nimport type {StyleAndLayout as StyleAndLayoutPayload} from 'react-devtools-shared/src/backend/NativeStyleEditor/types';\n\nconst BATCH_DURATION = 100;\n\n// This message specifies the version of the DevTools protocol currently supported by the backend,\n// as well as the earliest NPM version (e.g. \"4.13.0\") that protocol is supported by on the frontend.\n// This enables an older frontend to display an upgrade message to users for a newer, unsupported backend.\nexport type BridgeProtocol = {\n  // Version supported by the current frontend/backend.\n  version: number,\n  // NPM version range that also supports this version.\n  // Note that 'maxNpmVersion' is only set when the version is bumped.\n  minNpmVersion: string,\n  maxNpmVersion: string | null,\n};\n\n// Bump protocol version whenever a backwards breaking change is made\n// in the messages sent between BackendBridge and FrontendBridge.\n// This mapping is embedded in both frontend and backend builds.\n// The backend protocol will always be the latest entry in the BRIDGE_PROTOCOL array.\n// When an older frontend connects to a newer backend,\n// the backend can send the minNpmVersion and the frontend can display an NPM upgrade prompt.\n// When a newer frontend connects with an older protocol version,\n// the frontend can use the embedded minNpmVersion/maxNpmVersion values to display a downgrade prompt.\nexport const BRIDGE_PROTOCOL: Array<BridgeProtocol> = [\n  // This version technically never existed,\n  // but a backwards breaking change was added in 4.11,\n  // so the safest guess to downgrade the frontend would be to version 4.10.\n  {\n    version: 0,\n    minNpmVersion: \"<4.11.0\", \n    maxNpmVersion: \"<4.11.0\", \n  },\n  // Versions 4.11.x – 4.12.x contained the backwards breaking change,\n  // but we didn't add the \"fix\" of checking the protocol version until 4.13,\n  // so we don't recommend downgrading to 4.11 or 4.12.\n  {\n    version: 1,\n    minNpmVersion: '4.13.0',\n    maxNpmVersion: '4.21.0',\n  },\n  // Version 2 adds a StrictMode-enabled and supports-StrictMode bits to add-root operation.\n  {\n    version: 2,\n    minNpmVersion: '4.22.0',\n    maxNpmVersion: null,\n  },\n];\n\nexport const currentBridgeProtocol: BridgeProtocol =\n  BRIDGE_PROTOCOL[BRIDGE_PROTOCOL.length - 1];\n\ntype ElementAndRendererID = {id: number, rendererID: RendererID};\ntype Message = {\n  event: string,\n  payload: any,\n};\ntype HighlightElementInDOM = {\n  ...ElementAndRendererID,\n  displayName: string | null,\n  hideAfterTimeout: boolean,\n  openNativeElementsPanel: boolean,\n  scrollIntoView: boolean,\n};\ntype OverrideValue = {\n  ...ElementAndRendererID,\n  path: Array<string | number>,\n  wasForwarded?: boolean,\n  value: any,\n};\ntype OverrideHookState = {\n  ...OverrideValue,\n  hookID: number,\n};\ntype PathType = 'props' | 'hooks' | 'state' | 'context';\ntype DeletePath = {\n  ...ElementAndRendererID,\n  type: PathType,\n  hookID?: ?number,\n  path:

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Array<string | number>,\n};\n\ntype RenamePath = {\n  ...ElementAndRendererID,\n  type: PathType,\n  hookID?:\n  ?number,\n  oldPath: Array<string | number>,\n  newPath: Array<string | number>,\n};\n\ntype\nOverrideValueAtPath = {\n  ...ElementAndRendererID,\n  type: PathType,\n  hookID?: ?number,\n  path:\n  Array<string | number>,\n  value: any,\n};\n\ntype OverrideError = {\n  ...ElementAndRendererID,\n  forceError:\n  boolean,\n};\n\ntype OverrideSuspense = {\n  ...ElementAndRendererID,\n  forceFallback: boolean,\n};\n\ntype\nCopyElementPathParams = {\n  ...ElementAndRendererID,\n  path: Array<string | number>,\n};\n\ntype\nViewAttributeSourceParams = {\n  ...ElementAndRendererID,\n  path: Array<string | number>,\n};\n\ntype\nInspectElementParams = {\n  ...ElementAndRendererID,\n  forceFullData: boolean,\n  path: Array<number | string>\n  | null,\n  requestId: number,\n};\n\ntype StoreAsGlobalParams = {\n  ...ElementAndRendererID,\n  count:\n  number,\n  path: Array<string | number>,\n};\n\ntype NativeStyleEditor_RenameAttributeParams = {\n\n  ...ElementAndRendererID,\n  oldName: string,\n  newName: string,\n  value: string,\n};\n\ntype\nNativeStyleEditor_SetValueParams = {\n  ...ElementAndRendererID,\n  name: string,\n  value: string,\n};\n\ntype\nSavedPreferencesParams = {\n  appendComponentStack: boolean,\n  breakOnConsoleErrors: boolean,\n  componentFilters: Array<ComponentFilter>,\n  showInlineWarningsAndErrors: boolean,\n  hideConsoleLogsInStrictMode: boolean,\n};\n\nexport type BackendEvents = {\n  backendVersion: [string],\n  bridgeProtocol: [BridgeProtocol],\n  extensionBackendInitialized: [],\n  fastRefreshScheduled: [],\n  getSavedPreferences: [],\n  inspectedElement: [InspectedElementPayload],\n  isBackendStorageAPISupported:\n  [boolean],\n  isSynchronousXHRSupported: [boolean],\n  operations: [Array<number>],\n  ownersList:\n  [OwnersList],\n  overrideComponentFilters: [Array<ComponentFilter>],\n  profilingData:\n  [ProfilingDataBackend],\n  profilingStatus: [boolean],\n  reloadAppForProfiling: [],\n  saveToClipboard: [string],\n  selectFiber: [number],\n  shutdown: [],\n  stopInspectingNative: [boolean],\n  syncSelectionFromNativeElementsPanel: [],\n  syncSelectionToNativeElementsPanel: [],\n  unsupportedRendererVersion: [RendererID],\n};\n\n// React Native style editor plug-in.\n\nisNativeStyleEditorSupported: [\n  {isSupported: boolean, validAttributes: ?$ReadOnlyArray<string>},\n],\n\nNativeStyleEditor_styleAndLayout: [StyleAndLayoutPayload],\n};\n\ntype FrontendEvents = {\n  clearErrorsAndWarnings: [{rendererID: RendererID}],\n  clearErrorsForFiberID: [ElementAndRendererID],\n  clearNativeElementHighlight: [],\n  clearWarningsForFiberID: [ElementAndRendererID],\n  copyElementPath:\n  [CopyElementPathParams],\n  deletePath: [DeletePath],\n  getBackendVersion: [],\n  getBridgeProtocol: [],\n  getOwnersList: [ElementAndRendererID],\n  getProfilingData: [{rendererID: RendererID}],\n  getProfilingStatus:\n  [],\n  highlightNativeElement: [HighlightElementInDOM],\n  inspectElement: [InspectElementParams],\n  logElementToConsole: [ElementAndRendererID],\n  overrideError: [OverrideError],\n  overrideSuspense:\n  [OverrideSuspense],\n  overrideValueAtPath: [OverrideValueAtPath],\n  profilingData: [ProfilingDataBackend],\n  reloadAndProfile: [boolean],\n  renamePath: [RenamePath],\n  savedPreferences: [SavedPreferencesParams],\n  selectFiber: [number],\n  setTraceUpdatesEnabled: [boolean],\n  shutdown: [],\n  startInspectingNative: [],\n  startProfiling: [boolean],\n  stopInspectingNative: [boolean],\n  stopProfiling: [],\n  storeAsGlobal:\n  [StoreAsGlobalParams],\n  updateComponentFilters: [Array<ComponentFilter>],\n  updateConsolePatchSettings:\n  [ConsolePatchSettings],\n  viewAttributeSource: [ViewAttributeSourceParams],\n  viewElementSource:\n  [ElementAndRendererID],\n};\n\n// React Native style editor plug-in.\n\nNativeStyleEditor_measure:\n  [ElementAndRendererID],\n  NativeStyleEditor_renameAttribute: [NativeStyleEditor_RenameAttributeParams],\n  NativeStyleEditor_setValue: [NativeStyleEditor_SetValueParams],\n};\n\n// Temporarily support newer standalone\nfront-ends sending commands to older embedded backends.\n// We do this because React Native embeds the React\nDevTools backend,\n// but cannot control which version of the frontend users use.\n//\n// Note that nothing in the\nnewer backend actually listens to these events,\n// but the new frontend still dispatches them (in case older\nbackends are listening to them instead).\n//\n// Note that this approach does no support the combination of a\nnewer backend with an older frontend.\n// It would be more work to support both approaches (and not run handlers\ntwice)\n// so I chose to support the more likely/common scenario (and the one more difficult for an end user to\n\"fix\").\n\noverrideContext: [OverrideValue],\n  overrideHookState: [OverrideHookState],\n  overrideProps:\n  [OverrideValue],\n  overrideState: [OverrideValue],\n};\n\n\nclass Bridge<\n  OutgoingEvents: Object,\n
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IncomingEvents: Object,\n> extends EventEmitter<{\n ...IncomingEvents,\n ...OutgoingEvents,\n}> {\n
  _isShutdown: boolean = false;\n
  _messageQueue: Array<any> = [];\n
  _timeoutID: TimeoutID | null = null;\n
  _wall: Wall;\n
  _wallUnlisten: Function | null = null;\n
  constructor(wall: Wall) {\n
    super();\n
    this._wall = wall;\n
    this._wallUnlisten =\n      wall.listen((message: Message) => {\n
        if (message && message.event) {\n
          (this: any).emit(message.event, message.payload);\n
        }\n
      }) || null;\n
    // Temporarily support older standalone front-ends sending commands to newer embedded backends.\n
    // We do this because React Native embeds the React DevTools backend,\n
    // but cannot control which version of the frontend users use.\n
    this.addListener('overrideValueAtPath', this.overrideValueAtPath);\n
  }\n
  // Listening directly to the wall isn't advised.\n
  // It can be used to listen for legacy (v3) messages (since they use a different format).\n
  get wall(): Wall {\n
    return this._wall;\n
  }\n
  send<EventName: $Keys<OutgoingEvents>>(\n
    event: EventName,\n
    ...payload: $ElementType<OutgoingEvents, EventName>\n
  ) {\n
    if (this._isShutdown) {\n
      console.warn(\n
        `Cannot send message "${event}" through a Bridge that has been shutdown.`,\n
      );\n
      return;\n
    }\n
    // When we receive a message:\n
    // - we add it to our queue of messages to be sent\n
    // - if there hasn't been a message recently, we set a timer for 0 ms in\n
    //   the future, allowing all messages created in the same tick to be sent\n
    //   together\n
    // - if there *has* been a message flushed in the last BATCH_DURATION ms\n
    //   (or we're waiting for our setTimeout-0 to fire), then _timeoutID will\n
    //   be set, and we'll simply add to the queue and wait for that\n
    this._messageQueue.push(event, payload);\n
    if (!this._timeoutID) {\n
      this._timeoutID = setTimeout(this._flush, 0);\n
    }\n
  }\n
  shutdown() {\n
    if (this._isShutdown) {\n
      console.warn('Bridge was already shutdown.);\n
    }\n
    return;\n
  }\n
  // Queue the shutdown outgoing message for subscribers.\n
  this.send('shutdown');\n
  // Mark this bridge as destroyed, i.e. disable its public API.\n
  this._isShutdown = true;\n
  // Disable the API inherited from EventEmitter that can add more listeners and send more messages.\n
  // $FlowFixMe[cannot-write] This property is not writable.\n
  this.addListener = function () {};\n
  // $FlowFixMe[cannot-write] This property is not writable.\n
  this.emit = function () {};\n
  // NOTE: There's also EventEmitter API like `on` and `prependListener` that we didn't add to our Flow type of EventEmitter.\n
  // Unsubscribe this bridge incoming message listeners to be sure, and so they don't have to do that.\n
  this.removeAllListeners();\n
  // Stop accepting and emitting incoming messages from the wall.\n
  const wallUnlisten = this._wallUnlisten;\n
  if (wallUnlisten) {\n
    wallUnlisten();\n
  }\n
  // Synchronously flush all queued outgoing messages.\n
  // At this step the subscribers' code may run in this call stack.\n
  do {\n
    this._flush();\n
  } while (this._messageQueue.length);\n
  // Make sure once again that there is no dangling timer.\n
  if (this._timeoutID !== null) {\n
    clearTimeout(this._timeoutID);\n
    this._timeoutID = null;\n
  }\n
  _flush: () => void = () => {\n
    // This method is used after the bridge is marked as destroyed in shutdown sequence,\n
    // so we do not bail out if the bridge marked as destroyed.\n
    // It is a private method that the bridge ensures is only called at the right times.\n
    if (this._timeoutID !== null) {\n
      clearTimeout(this._timeoutID);\n
      this._timeoutID = null;\n
    }\n
    if (this._messageQueue.length) {\n
      for (let i = 0; i < this._messageQueue.length; i += 2) {\n
        this._wall.send(this._messageQueue[i], ...this._messageQueue[i + 1]);\n
      }\n
      this._messageQueue.length = 0;\n
      // Check again for queued messages in BATCH_DURATION ms. This will keep\n
      // flushing in a loop as long as messages continue to be added. Once no\n
      // more are, the timer expires.\n
      this._timeoutID = setTimeout(this._flush, BATCH_DURATION);\n
    }\n
  };\n
  // Temporarily support older standalone backends by forwarding "overrideValueAtPath" commands\n
  // to the older message types they may be listening to.\n
  overrideValueAtPath: OverrideValueAtPath => void = ({\n
    id,\n
    path,\n
    rendererID,\n
    type,\n
    value,\n
  }: OverrideValueAtPath) => {\n
    switch (type) {\n
      case 'context':\n
        this.send('overrideContext', {\n
          id,\n
          path,\n
          rendererID,\n
          wasForwarded: true,\n
          value,\n
        });\n
        break;\n
      case 'hooks':\n
        this.send('overrideHookState', {\n
          id,\n
          path,\n
          rendererID,\n
          wasForwarded: true,\n
          value,\n
        });\n
        break;\n
      case 'props':\n
        this.send('overrideProps', {\n
          id,\n
          path,\n
          rendererID,\n
          wasForwarded: true,\n
          value,\n
        });\n
        break;\n
      case 'state':\n
        this.send('overrideState', {\n
          id,\n
          path,\n
          rendererID,\n
          wasForwarded: true,\n
          value,\n
        });\n
        break;\n
    }\n
  };\n
}\n
\n
export type BackendBridge = Bridge<BackendEvents, FrontendEvents>;\n
export type FrontendBridge = Bridge<FrontendEvents,

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BackendEvents>;\n\nexport default Bridge;\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\n// ATTENTION\n// When adding new symbols to this file,\n// Please consider also
adding to 'react-devtools-shared/src/backend/ReactSymbols'\n\n// The Symbol used to tag the ReactElement-like
types.\n\nexport const REACT_ELEMENT_TYPE: symbol = Symbol.for('react.element');\n\nexport const
REACT_PORTAL_TYPE: symbol = Symbol.for('react.portal');\n\nexport const REACT_FRAGMENT_TYPE:
symbol = Symbol.for('react.fragment');\n\nexport const REACT_STRICT_MODE_TYPE: symbol =
Symbol.for('react.strict_mode');\n\nexport const REACT_PROFILER_TYPE: symbol =
Symbol.for('react.profiler');\n\nexport const REACT_PROVIDER_TYPE: symbol =
Symbol.for('react.provider');\n\nexport const REACT_CONTEXT_TYPE: symbol =
Symbol.for('react.context');\n\nexport const REACT_SERVER_CONTEXT_TYPE: symbol = Symbol.for(\n
'react.server_context',\n);\n\nexport const REACT_FORWARD_REF_TYPE: symbol =
Symbol.for('react.forward_ref');\n\nexport const REACT_SUSPENSE_TYPE: symbol =
Symbol.for('react.suspense');\n\nexport const REACT_SUSPENSE_LIST_TYPE: symbol = Symbol.for(\n
'react.suspense_list',\n);\n\nexport const REACT_MEMO_TYPE: symbol = Symbol.for('react.memo');\n\nexport const
REACT_LAZY_TYPE: symbol = Symbol.for('react.lazy');\n\nexport const REACT_SCOPE_TYPE: symbol =
Symbol.for('react.scope');\n\nexport const REACT_DEBUG_TRACING_MODE_TYPE: symbol = Symbol.for(\n
'react.debug_trace_mode',\n);\n\nexport const REACT_OFFSCREEN_TYPE: symbol =
Symbol.for('react.offscreen');\n\nexport const REACT_LEGACY_HIDDEN_TYPE: symbol = Symbol.for(\n
'react.legacy_hidden',\n);\n\nexport const REACT_CACHE_TYPE: symbol = Symbol.for('react.cache');\n\nexport const
REACT_TRACING_MARKER_TYPE: symbol = Symbol.for(\n 'react.tracing_marker',\n);\n\nexport const
REACT_SERVER_CONTEXT_DEFAULT_VALUE_NOT_LOADED: symbol = Symbol.for(\n
'react.default_value',\n);\n\nexport const REACT_MEMO_CACHE_SENTINEL: symbol = Symbol.for(\n
'react.memo_cache_sentinel',\n);\n\nconst MAYBE_ITERATOR_SYMBOL = Symbol.iterator;\nconst
FAUX_ITERATOR_SYMBOL = '@@iterator';\n\nexport function getIteratorFn(maybeIterable: ?any): ?() =>
?Iterator<any> {\n if (maybeIterable === null || typeof maybeIterable !== 'object') {\n return null;\n }\n const
maybeIterator =\n (MAYBE_ITERATOR_SYMBOL && maybeIterable[MAYBE_ITERATOR_SYMBOL]) ||\n
maybeIterable[FAUX_ITERATOR_SYMBOL];\n if (typeof maybeIterator === 'function') {\n return
maybeIterator;\n }\n return null;\n }\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This
source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\nexport function localStorageGetItem(key: string): any {\n try {\n return
localStorage.getItem(key);\n } catch (error) {\n return null;\n }\n }\n\nexport function
localStorageRemoveItem(key: string): void {\n try {\n localStorage.removeItem(key);\n } catch (error)
{\n }\n }\n\nexport function localStorageSetItem(key: string, value: any): void {\n try {\n return
localStorage.setItem(key, value);\n } catch (error) {\n }\n }\n\nexport function sessionStorageGetItem(key: string): any
{\n try {\n return sessionStorage.getItem(key);\n } catch (error) {\n return null;\n }\n }\n\nexport function
sessionStorageRemoveItem(key: string): void {\n try {\n sessionStorage.removeItem(key);\n } catch (error)
{\n }\n }\n\nexport function sessionStorageSetItem(key: string, value: any): void {\n try {\n return
sessionStorage.setItem(key, value);\n } catch (error) {\n }\n }\n"/**\n * Copyright (c) Meta Platforms, Inc. and
affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n *\n * @flow\n */\n\nimport {\n getDataType,\n getDisplayNameForReactElement,\n
getAllEnumerableKeys,\n getInObject,\n formatDataForPreview,\n setInObject,\n } from './utils';\n\nimport type
{DehydratedData} from './devtools/views/Components/types';\n\nexport const meta = {\n inspectable:
(Symbol('inspectable'): symbol),\n inspected: (Symbol('inspected'): symbol),\n name: (Symbol('name'): symbol),\n
preview_long: (Symbol('preview_long'): symbol),\n preview_short: (Symbol('preview_short'): symbol),\n
readonly: (Symbol('readonly'): symbol),\n size: (Symbol('size'): symbol),\n type: (Symbol('type'): symbol),\n
unserializable: (Symbol('unserializable'): symbol),\n};\n\nexport type Dehydrated = {\n inspectable: boolean,\n
name: string | null,\n preview_long: string | null,\n preview_short: string | null,\n readonly?: boolean,\n size?:

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number, \n type: string, \n}; \n\n// Typed arrays and other complex iterable objects (e.g. Map, Set, ImmutableJS) need special handling. \n\n// These objects can't be serialized without losing type information, \n\n// so a \"Unserializable\" type wrapper is used (with meta-data keys) to send nested values- \n\n// while preserving the original type and name. \n\nexport type Unserializable = { \n name: string | null, \n preview_long: string | null, \n preview_short: string | null, \n readonly?: boolean, \n size?: number, \n type: string, \n unserializable: boolean, \n [string | number]: any, \n}; \n\n// This threshold determines the depth at which the bridge \"dehydrates\" nested data. \n\n// Dehydration means that we don't serialize the data for e.g. postMessage or stringify, \n\n// unless the frontend explicitly requests it (e.g. a user clicks to expand a props object). \n\n// Reducing this threshold will improve the speed of initial component inspection, \n\n// but may decrease the responsiveness of expanding objects/arrays to inspect further. \n\nconst LEVEL_THRESHOLD = 2; \n\n/** \n * Generate the dehydrated metadata for complex object instances \n * \n function createDehydrated(\n type: string, \n inspectable: boolean, \n data: Object, \n cleaned: Array<Array<string | number>>, \n path: Array<string | number>, \n): Dehydrated { \n cleaned.push(path); \n \n const dehydrated: Dehydrated = { \n inspectable, \n type, \n preview_long: formatDataForPreview(data, true), \n preview_short: formatDataForPreview(data, false), \n name: \n !data.constructor || data.constructor.name === 'Object' \n ? \" \n : data.constructor.name, \n }; \n \n if (type === 'array' || type === 'typed_array') { \n dehydrated.size = data.length; \n } else if (type === 'object') { \n dehydrated.size = Object.keys(data).length; \n } \n \n if (type === 'iterator' || type === 'typed_array') { \n dehydrated.readonly = true; \n } \n \n return dehydrated; \n} \n\n/** \n * Strip out complex data (instances, functions, and data nested > LEVEL_THRESHOLD levels deep). \n * The paths of the stripped out objects are appended to the `cleaned` list. \n * On the other side of the barrier, the cleaned list is used to \"re-hydrate\" the cleaned representation into \n * an object with symbols as attributes, so that a sanitized object can be distinguished from a normal object. \n * \n * Input: {\"some\": {\"attr\": fn()}, \"other\": AnInstance} \n * Output: { \n * \"some\": { \n * \"attr\": { \n * \"name\": the fn.name, type: \"function\" \n * }, \n * \"other\": { \n * \"name\": \"AnInstance\", \n * \"type\": \"object\", \n * } \n * } \n * \n * and cleaned = [[\"some\", \"attr\"], [\"other\"]] \n * \n export function dehydrate(\n data: Object, \n cleaned: Array<Array<string | number>>, \n unserializable: Array<Array<string | number>>, \n path: Array<string | number>, \n isPathAllowed: (path: Array<string | number>) => boolean, \n level?: number = 0, \n): \$PropertyType<DehydratedData, 'data'> { \n const type = getDataType(data); \n let isPathAllowedCheck; \n \n switch (type) { \n case 'html_element': \n cleaned.push(path); \n return { \n inspectable: false, \n preview_short: formatDataForPreview(data, false), \n preview_long: formatDataForPreview(data, true), \n name: data.tagName, \n type, \n }; \n \n case 'function': \n cleaned.push(path); \n return { \n inspectable: false, \n preview_short: formatDataForPreview(data, false), \n preview_long: formatDataForPreview(data, true), \n name: \n typeof data.name === 'function' || !data.name \n ? 'function' \n : data.name, \n type, \n }; \n \n case 'string': \n isPathAllowedCheck = isPathAllowed(path); \n if (isPathAllowedCheck) { \n return data; \n } else { \n return data.length <= 500 ? data : data.slice(0, 500) + '...'; \n } \n \n case 'bigint': \n cleaned.push(path); \n return { \n inspectable: false, \n preview_short: formatDataForPreview(data, false), \n preview_long: formatDataForPreview(data, true), \n name: data.toString(), \n type, \n }; \n \n case 'symbol': \n cleaned.push(path); \n return { \n inspectable: false, \n preview_short: formatDataForPreview(data, false), \n preview_long: formatDataForPreview(data, true), \n name: data.toString(), \n type, \n }; \n \n // React Elements aren't very inspector-friendly, \n // and often contain private fields or circular references. \n case 'react_element': \n cleaned.push(path); \n return { \n inspectable: false, \n preview_short: formatDataForPreview(data, false), \n preview_long: formatDataForPreview(data, true), \n name: getDisplayNameForReactElement(data) || 'Unknown', \n type, \n }; \n \n // ArrayBuffers error if you try to inspect them. \n case 'array_buffer': \n case 'data_view': \n cleaned.push(path); \n return { \n inspectable: false, \n preview_short: formatDataForPreview(data, false), \n preview_long: formatDataForPreview(data, true), \n name: type === 'data_view' ? 'DataView' : 'ArrayBuffer', \n size: data.byteLength, \n type, \n }; \n \n case 'array': \n isPathAllowedCheck = isPathAllowed(path); \n if (level >= LEVEL_THRESHOLD && !isPathAllowedCheck) { \n return createDehydrated(type, true, data, cleaned, path); \n } \n \n return

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data.map((item, i) => \n    dehydrate(\n        item,\n        cleaned,\n        unserializable,\n
path.concat([i]),\n        isPathAllowed,\n        isPathAllowedCheck ? 1 : level + 1,\n        ),\n    );\n\n case
'html_all_collection':\n case 'typed_array':\n case 'iterator':\n        isPathAllowedCheck = isPathAllowed(path);\n
if (level >= LEVEL_THRESHOLD && !isPathAllowedCheck) {\n        return createDehydrated(type, true, data,
cleaned, path);\n    } else {\n        const unserializableValue: Unserializable = {\n            unserializable: true,\n
type: type,\n            readonly: true,\n            size: type === 'typed_array' ? data.length : undefined,\n
preview_short: formatDataForPreview(data, false),\n            preview_long: formatDataForPreview(data, true),\n
name:\n                !data.constructor || data.constructor.name === 'Object'\n                ? '\n                ':
data.constructor.name,\n            };\n\n            // TRICKY\n            // Don't use [...spread] syntax for this purpose.\n            //
This project uses @babel/plugin-transform-spread in "loose" mode which only works with Array values.\n            //
Other types (e.g. typed arrays, Sets) will not spread correctly.\n            Array.from(data).forEach(\n                (item, i) => \n
                (unserializableValue[i] = dehydrate(\n                    item,\n                    cleaned,\n                    unserializable,\n
path.concat([i]),\n                    isPathAllowed,\n                    isPathAllowedCheck ? 1 : level + 1,\n                    )),\n                );\n\n
unserializable.push(path);\n\n            return unserializableValue;\n        };\n\n case 'opaque_iterator':\n
cleaned.push(path);\n        return {\n            inspectable: false,\n            preview_short: formatDataForPreview(data,
false),\n            preview_long: formatDataForPreview(data, true),\n            name: data[Symbol.toStringTag],\n
type,\n        };\n\n case 'date':\n        cleaned.push(path);\n        return {\n            inspectable: false,\n            preview_short:
formatDataForPreview(data, false),\n            preview_long: formatDataForPreview(data, true),\n            name:
data.toString(),\n            type,\n        };\n\n case 'regexp':\n        cleaned.push(path);\n        return {\n            inspectable:
false,\n            preview_short: formatDataForPreview(data, false),\n            preview_long: formatDataForPreview(data,
true),\n            name: data.toString(),\n            type,\n        };\n\n case 'object':\n            isPathAllowedCheck =
isPathAllowed(path);\n\n            if (level >= LEVEL_THRESHOLD && !isPathAllowedCheck) {\n                return
createDehydrated(type, true, data, cleaned, path);\n            } else {\n                const object: {\n                    [string]:
$PropertyType<DehydratedData, 'data'>,\n                    } = {};\n                getAllEnumerableKeys(data).forEach(key => {\n
                    const name = key.toString();\n                    object[name] = dehydrate(\n                        data[key],\n                        cleaned,\n
unserializable,\n                        path.concat([name]),\n                        isPathAllowed,\n                        isPathAllowedCheck ? 1 : level +
1,\n                        );\n                });\n                return object;\n            };\n\n case 'class_instance':\n            isPathAllowedCheck =
isPathAllowed(path);\n\n            if (level >= LEVEL_THRESHOLD && !isPathAllowedCheck) {\n                return
createDehydrated(type, true, data, cleaned, path);\n            };\n\n            const value: Unserializable = {\n                unserializable:
true,\n                type,\n                readonly: true,\n                preview_short: formatDataForPreview(data, false),\n
                preview_long: formatDataForPreview(data, true),\n                name: data.constructor.name,\n            };\n\n            getAllEnumerableKeys(data).forEach(key => {\n
                const keyAsString = key.toString();\n                value[keyAsString] = dehydrate(\n                    data[key],\n                    cleaned,\n
unserializable,\n                    path.concat([keyAsString]),\n                    isPathAllowed,\n                    isPathAllowedCheck ? 1 : level + 1,\n                    );\n            });\n\n
            unserializable.push(path);\n\n            return value;\n\n case 'infinity':\n case 'nan':\n case 'undefined':\n            //
Some values are lossy when sent through a WebSocket.\n            // We dehydrate+rehydrate them to preserve their
type.\n            cleaned.push(path);\n            return {type};\n\n default:\n            return data;\n        };\n\n\n\nexport function
fillInPath(\n    object: Object,\n    data: DehydratedData,\n    path: Array<string | number>,\n    value: any,\n) {\n    const
target = getInObject(object, path);\n    if (target != null) {\n        if (!target[meta.unserializable]) {\n            delete
target[meta.inspectable];\n            delete target[meta.inspected];\n            delete target[meta.name];\n            delete
target[meta.preview_long];\n            delete target[meta.preview_short];\n            delete target[meta.readonly];\n            delete
target[meta.size];\n            delete target[meta.type];\n        };\n    }\n\n    if (value !== null && data.unserializable.length > 0)
{\n        const unserializablePath = data.unserializable[0];\n        let isMatch = unserializablePath.length ===
path.length;\n        for (let i = 0; i < path.length; i++) {\n            if (path[i] !== unserializablePath[i]) {\n                isMatch =
false;\n                break;\n            };\n        }\n        if (isMatch) {\n            upgradeUnserializable(value, value);\n        };\n    }\n\n
    setInObject(object, path, value);\n}\n\nexport function hydrate(\n    object: any,\n    cleaned: Array<Array<string |
number>>,\n    unserializable: Array<Array<string | number>>,\n) : Object {\n    cleaned.forEach((path: Array<string |
number>) => {\n        const length = path.length;\n        const last = path[length - 1];\n        const parent =

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getInObject(object, path.slice(0, length - 1));\n  if (!parent || !parent.hasOwnProperty(last)) {\n    return;\n  }\n  const value = parent[last];\n  if (!value) {\n    return;\n  } else if (value.type === 'infinity') {\n    parent[last] = Infinity;\n  } else if (value.type === 'nan') {\n    parent[last] = NaN;\n  } else if (value.type === 'undefined') {\n    parent[last] = undefined;\n  } else {\n    // Replace the string keys with Symbols so they're non-enumerable.\n    const replaced: {[key: symbol]: boolean | string, ...} = {};\n    replaced[meta.inspectable] = !!value.inspectable;\n    replaced[meta.inspected] = false;\n    replaced[meta.name] = value.name;\n    replaced[meta.preview_long] = value.preview_long;\n    replaced[meta.preview_short] = value.preview_short;\n    replaced[meta.size] = value.size;\n    replaced[meta.readonly] = !!value.readonly;\n    replaced[meta.type] = value.type;\n    parent[last] = replaced;\n  }\n});\n\nunserializable.forEach((path: Array<string | number>) => {\n  const length = path.length;\n  const last = path[length - 1];\n  const parent = getInObject(object, path.slice(0, length - 1));\n  if (!parent || !parent.hasOwnProperty(last)) {\n    return;\n  }\n  const node = parent[last];\n  const replacement = {\n    ...node,\n  };\n  upgradeUnserializable(replacement, node);\n  parent[last] = replacement;\n});\n\nreturn object;\n}\n\nfunction upgradeUnserializable(destination: Object, source: Object) {\n  Object.defineProperties(destination, {\n    // $FlowFixMe[invalid-computed-prop]\n    [meta.inspected]: {\n      configurable: true,\n      enumerable: false,\n      value: !!source.inspectable,\n    },\n    // $FlowFixMe[invalid-computed-prop]\n    [meta.name]: {\n      configurable: true,\n      enumerable: false,\n      value: source.name,\n    },\n    // $FlowFixMe[invalid-computed-prop]\n    [meta.preview_long]: {\n      configurable: true,\n      enumerable: false,\n      value: source.preview_long,\n    },\n    // $FlowFixMe[invalid-computed-prop]\n    [meta.preview_short]: {\n      configurable: true,\n      enumerable: false,\n      value: source.preview_short,\n    },\n    // $FlowFixMe[invalid-computed-prop]\n    [meta.size]: {\n      configurable: true,\n      enumerable: false,\n      value: source.size,\n    },\n    // $FlowFixMe[invalid-computed-prop]\n    [meta.readonly]: {\n      configurable: true,\n      enumerable: false,\n      value: !!source.readonly,\n    },\n    // $FlowFixMe[invalid-computed-prop]\n    [meta.type]: {\n      configurable: true,\n      enumerable: false,\n      value: source.type,\n    },\n    // $FlowFixMe[invalid-computed-prop]\n    [meta.unserializable]: {\n      configurable: true,\n      enumerable: false,\n      value: !!source.unserializable,\n    },\n  });\n  delete destination.inspected;\n  delete destination.name;\n  delete destination.preview_long;\n  delete destination.preview_short;\n  delete destination.size;\n  delete destination.readonly;\n  delete destination.type;\n  delete destination.unserializable;\n}\n\n"/**\n * Copyright (c)\n * Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport LRU from 'lru-cache';\nimport {\n  isElement,\n  typeof,\n  ContextConsumer,\n  ContextProvider,\n  ForwardRef,\n  Fragment,\n  Lazy,\n  Memo,\n  Portal,\n  Profiler,\n  StrictMode,\n  Suspense,\n} from 'react-is';\nimport {\n  REACT_SUSPENSE_LIST_TYPE as SuspenseList,\n  REACT_TRACING_MARKER_TYPE as TracingMarker,\n} from 'shared/ReactSymbols';\nimport {\n  TREE_OPERATION_ADD,\n  TREE_OPERATION_REMOVE,\n  TREE_OPERATION_REMOVE_ROOT,\n  TREE_OPERATION_REORDER_CHILDREN,\n  TREE_OPERATION_SET_SUBTREE_MODE,\n  TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS,\n  TREE_OPERATION_UPDATE_TREE_BASE_DURATION,\n  LOCAL_STORAGE_COMPONENT_FILTER_PREFERENCES_KEY,\n  LOCAL_STORAGE_OPEN_IN_EDITOR_URL,\n  LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS,\n  LOCAL_STORAGE_SHOULD_APPEND_COMPONENT_STACK_KEY,\n  LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY,\n  LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE,\n} from './constants';\nimport {\n  ComponentFilterElementType,\n  ElementTypeHostComponent,\n} from './types';\nimport {\n  ElementTypeRoot,\n  ElementTypeClass,\n  ElementTypeForwardRef,\n  ElementTypeFunction,\n  ElementTypeMemo,\n} from 'react-devtools-shared/src/types';\nimport {\n  localStorageGetItem,\n  localStorageSetItem,\n} from './storage';\nimport {\n  meta,\n} from './hydration';\nimport isArray from './isArray';\nimport type {\n  ComponentFilter,\n  ElementType,\n  BrowserTheme,\n} from './types';\nimport type {\n  LRUCache,\n} from 'react-devtools-shared/src/types';\n\n//

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$FlowFixMe[method-unbinding] \nconst hasOwnProperty = Object.prototype.hasOwnProperty;\n\nconst
cachedDisplayNames: WeakMap<Function, string> = new WeakMap();\n\n// On large trees, encoding takes
significant time.\n\n// Try to reuse the already encoded strings.\n\nconst encodedStringCache: LRU<string,
Array<number>> = new LRU({\n  max: 1000,\n});\n\n\nexport function alphaSortKeys(\n  a: string | number |
symbol,\n  b: string | number | symbol,\n): number {\n  if (a.toString() > b.toString()) {\n    return 1;\n  } else if
(b.toString() > a.toString()) {\n    return -1;\n  } else {\n    return 0;\n  }\n}\n\n\nexport function
getAllEnumerableKeys(\n  obj: Object,\n): Set<string | number | symbol> {\n  const keys = new Set<string | number
| symbol>();\n  let current = obj;\n  while (current !== null) {\n    const currentKeys = [...Object.keys(current),\n
...Object.getOwnPropertySymbols(current),\n  ];\n    const descriptors =
Object.getOwnPropertyDescriptors(current);\n    currentKeys.forEach(key => {\n      // $FlowFixMe[incompatible-
type]: key can be a Symbol https://developer.mozilla.org/en-
US/docs/Web/JavaScript/Reference/Global_Objects/Object/getOwnPropertyDescriptor\n      if
(descriptors[key].enumerable) {\n        keys.add(key);\n      }\n    });\n    current = Object.getPrototypeOf(current);\n
  }\n  return keys;\n}\n\n\n// Mirror
https://github.com/facebook/react/blob/7c21bf72ace77094fd1910cc350a548287ef8350/packages/shared/getCompon
entName.js#L27-L37\n\nexport function getWrappedDisplayName(\n  outerType: mixed,\n  innerType: any,\n  wrapperName: string,\n  fallbackName?: string,\n): string {\n  const displayName = (outerType:
any).displayName;\n  return (\n    displayName || `${wrapperName}(${getDisplayName(innerType,
fallbackName)})`\n  );\n}\n\n\nexport function getDisplayName(\n  type: Function,\n  fallbackName: string =
'Anonymous',\n): string {\n  const nameFromCache = cachedDisplayNames.get(type);\n  if (nameFromCache !==
null) {\n    return nameFromCache;\n  }\n\n  let displayName = fallbackName;\n\n  // The displayName property is
not guaranteed to be a string.\n  // It's only safe to use for our purposes if it's a string.\n  //
github.com/facebook/react-devtools/issues/803\n  if (typeof type.displayName === 'string') {\n    displayName =
type.displayName;\n  } else if (typeof type.name === 'string' && type.name !== '') {\n    displayName =
type.name;\n  }\n\n  cachedDisplayNames.set(type, displayName);\n  return displayName;\n}\n\n\nlet uidCounter:
number = 0;\n\nexport function getUID(): number {\n  return ++uidCounter;\n}\n\n\nexport function
utfDecodeString(array: Array<number>): string {\n  // Avoid spreading the array (e.g.
String.fromCharCode(...array))\n  // Functions arguments are first placed on the stack before the function is called\n
// which throws a RangeError for large arrays.\n  // See github.com/facebook/react/issues/22293\n  let string = '';\n
for (let i = 0; i < array.length; i++) {\n    const char = array[i];\n    string += String.fromCharCode(char);\n  }\n
return string;\n}\n\n\nfunction surrogatePairToCodePoint(\n  charCode1: number,\n  charCode2: number,\n): number
{\n  return ((charCode1 & 0x3ff) << 10) + (charCode2 & 0x3ff) + 0x10000;\n}\n\n\n// Credit for this encoding
approach goes to Tim Down:\n\n// https://stackoverflow.com/questions/4877326/how-can-i-tell-if-a-string-contains-
multibyte-characters-in-javascript\n\nexport function utfEncodeString(string: string): Array<number> {\n  const
cached = encodedStringCache.get(string);\n  if (cached !== undefined) {\n    return cached;\n  }\n\n  const encoded
= [];\n  let i = 0;\n  let charCode;\n  while (i < string.length) {\n    charCode = string.charCodeAtAt(i);\n    // Handle
multibyte unicode characters (like emoji).\n    if ((charCode & 0xf800) === 0xd800) {\n      encoded.push(surrogatePairToCodePoint(charCode, string.charCodeAtAt(++i)));\n    } else {\n      encoded.push(charCode);\n    }\n    ++i;\n  }\n\n  encodedStringCache.set(string, encoded);\n\n  return
encoded;\n}\n\n\nexport function printOperationsArray(operations: Array<number>) {\n  // The first two values are
always rendererID and rootID\n  const rendererID = operations[0];\n  const rootID = operations[1];\n\n  const logs =
[\n    operations for renderer:${rendererID} and root:${rootID}\n  ];\n\n  let i = 2;\n\n  // Reassemble the string table.\n
const stringTable: Array<null | string> = [\n    null, // ID = 0 corresponds to the null string.\n  ];\n  const
stringTableSize = operations[i++];\n  const stringTableEnd = i + stringTableSize;\n  while (i < stringTableEnd) {\n
const nextLength = operations[i++];\n  const nextString = utfDecodeString(\n    (operations.slice(i, i +
nextLength): any),\n  );\n  stringTable.push(nextString);\n  i += nextLength;\n  }\n\n  while (i <
operations.length) {\n    const operation = operations[i];\n\n    switch (operation) {\n      case
TREE_OPERATION_ADD: {\n        const id = ((operations[i + 1]: any): number);\n        const type = ((operations[i

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+ 2]: any): ElementType);\n\n    i += 3;\n\n    if (type === ElementTypeRoot) {\n        logs.push(`Add new
root node ${id}`);\n        i++; // isStrictModeCompliant\n        i++; // supportsProfiling\n        i++; //
supportsStrictMode\n        i++; // hasOwnerMetadata\n    } else {\n        const parentID = ((operations[i]: any):
number);\n        i++;;\n\n        i++; // ownerID\n\n        const displayNameStringID = operations[i];\n        const
displayName = stringTable[displayNameStringID];\n        i++;;\n\n        i++; // key\n\n        logs.push(\n
`Add node ${id} (${displayName || 'null'}) as child of ${parentID}`,\n        );\n    }\n    break;\n  }\n  case
TREE_OPERATION_REMOVE: {\n    const removeLength = ((operations[i + 1]: any): number);\n    i +=
2;\n\n    for (let removeIndex = 0; removeIndex < removeLength; removeIndex++) {\n        const id =
((operations[i]: any): number);\n        i += 1;\n\n        logs.push(`Remove node ${id}`);\n        }\n    break;\n  }\n  case TREE_OPERATION_REMOVE_ROOT: {\n    i += 1;\n\n    logs.push(`Remove root
${rootID}`);\n    break;\n  }\n  case TREE_OPERATION_SET_SUBTREE_MODE: {\n    const id =
operations[i + 1];\n    const mode = operations[i + 1];\n\n    i += 3;\n    logs.push(`Mode ${mode} set for
subtree with root ${id}`);\n    break;\n  }\n  case TREE_OPERATION_REORDER_CHILDREN: {\n    const id = ((operations[i + 1]: any): number);\n    const numChildren = ((operations[i + 2]: any): number);\n    i
+= 3;\n    const children = operations.slice(i, i + numChildren);\n    i += numChildren;\n\n    logs.push(`Re-
order node ${id} children ${children.join(',')}`);\n    break;\n  }\n  case
TREE_OPERATION_UPDATE_TREE_BASE_DURATION:;\n    // Base duration updates are only sent while
profiling is in progress.\n    // We can ignore them at this point.\n    // The profiler UI uses them lazily in order
to generate the tree.\n    i += 3;\n    break;\n  case
TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS:;\n    const id = operations[i + 1];\n    const
numErrors = operations[i + 2];\n    const numWarnings = operations[i + 3];\n\n    i += 4;\n\n    logs.push(\n
`Node ${id} has ${numErrors} errors and ${numWarnings} warnings`,\n    );\n    break;\n  default:;\n    throw Error(`Unsupported Bridge operation "${operation}"`);\n  }\n  }\n  }\n  console.log(logs.join(\n
`));\n  }\n  }\n  \n  export function getDefaultComponentFilters(): Array<ComponentFilter> {\n    return [\n    {\n    type:
ComponentFilterElementType,\n    value: ElementTypeHostComponent,\n    isEnabled: true,\n    },\n    ];\n  }\n  \n  export function getSavedComponentFilters(): Array<ComponentFilter> {\n    try {\n    const raw =
localStorage.getItem(\n    LOCAL_STORAGE_COMPONENT_FILTER_PREFERENCES_KEY,\n    );\n    if
(raw != null) {\n    return JSON.parse(raw);\n    }\n    } catch (error) {\n    }\n    return
getDefaultComponentFilters();\n  }\n  \n  export function setSavedComponentFilters(\n    componentFilters:
Array<ComponentFilter>,\n  ): void {\n    localStorage.setItem(\n
LOCAL_STORAGE_COMPONENT_FILTER_PREFERENCES_KEY,\n    JSON.stringify(componentFilters),\n
);\n  }\n  \n  function parseBool(s: ?string): ?boolean {\n    if (s === 'true') {\n    return true;\n    }\n    if (s === 'false') {\n    return false;\n    }\n  }\n  \n  export function castBool(v: any): ?boolean {\n    if (v === true || v === false) {\n    return v;\n    }\n  }\n  \n  export function castBrowserTheme(v: any): ?BrowserTheme {\n    if (v === 'light' || v === 'dark' || v ===
'auto') {\n    return v;\n    }\n  }\n  \n  export function getAppendComponentStack(): boolean {\n    const raw =
localStorage.getItem(\n    LOCAL_STORAGE_SHOULD_APPEND_COMPONENT_STACK_KEY,\n    );\n    return
parseBool(raw) ?? true;\n  }\n  \n  export function getBreakOnConsoleErrors(): boolean {\n    const raw =
localStorage.getItem(LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS);\n    return
parseBool(raw) ?? false;\n  }\n  \n  export function getHideConsoleLogsInStrictMode(): boolean {\n    const raw =
localStorage.getItem(\n    LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE,\n    );\n    return
parseBool(raw) ?? false;\n  }\n  \n  export function getShowInlineWarningsAndErrors(): boolean {\n    const raw =
localStorage.getItem(\n    LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY,\n    );\n    return
parseBool(raw) ?? true;\n  }\n  \n  export function getDefaultOpenInEditorURL(): string {\n    return typeof
process.env.EDITOR_URL === 'string'\n    ? process.env.EDITOR_URL\n    : '';\n  }\n  \n  export function
getOpenInEditorURL(): string {\n    try {\n    const raw =
localStorage.getItem(LOCAL_STORAGE_OPEN_IN_EDITOR_URL);\n    if (raw != null) {\n    return
JSON.parse(raw);\n    }\n    } catch (error) {\n    }\n    return getDefaultOpenInEditorURL();\n  }\n  \n  export function
separateDisplayNameAndHOCs(\n    displayName: string | null,\n    type: ElementType,\n  ): [string | null,

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Array<string> | null] {\n if (displayName === null) {\n return [null, null];\n }\n\n let hocDisplayNames =
null;\n\n switch (type) {\n case ElementTypeClass:\n case ElementTypeForwardRef:\n case
ElementTypeFunction:\n case ElementTypeMemo:\n if (displayName.indexOf('(') >= 0) {\n const matches
= displayName.match(/(?:\^)+/g);\n if (matches !== null) {\n displayName = matches.pop();\n
hocDisplayNames = matches;\n }\n }\n break;\n default:\n break;\n }\n\n return [displayName,
hocDisplayNames];\n}\n\n// Pulled from react-compat\n// https://github.com/developit/preact-
compat/blob/7c5de00e7c85e2ffd011bf3af02899b63f699d3a/src/index.js#L349\nexport function
shallowDiffers(prev: Object, next: Object): boolean {\n for (const attribute in prev) {\n if (!(attribute in next)) {\n
return true;\n }\n }\n for (const attribute in next) {\n if (prev[attribute] !== next[attribute]) {\n return
true;\n }\n }\n }\n return false;\n}\n\nexport function getInObject(object: Object, path: Array<string | number>): any
{\n return path.reduce((reduced: Object, attr: any): any => {\n if (reduced) {\n if
(hasOwnProperty.call(reduced, attr)) {\n return reduced[attr];\n }\n if (typeof reduced[Symbol.iterator]
=== 'function') {\n // Convert iterable to array and return array[index]\n //\n // TRICKY\n // Don't
use [...spread] syntax for this purpose.\n // This project uses @babel/plugin-transform-spread in "loose" mode
which only works with Array values.\n // Other types (e.g. typed arrays, Sets) will not spread correctly.\n
return Array.from(reduced)[attr];\n }\n }\n }\n return null;\n }, object);\n}\n\nexport function
deletePathInObject(\n object: Object,\n path: Array<string | number>,\n) {\n const length = path.length;\n const
last = path[length - 1];\n if (object !== null) {\n const parent = getInObject(object, path.slice(0, length - 1));\n if
(parent) {\n if (isArray(parent)) {\n parent.splice(((last: any): number), 1);\n } else {\n delete
parent[last];\n }\n }\n }\n}\n\nexport function renamePathInObject(\n object: Object,\n oldPath: Array<string
| number>,\n newPath: Array<string | number>,\n) {\n const length = oldPath.length;\n if (object !== null) {\n
const parent = getInObject(object, oldPath.slice(0, length - 1));\n if (parent) {\n const lastOld = oldPath[length -
1];\n const lastNew = newPath[length - 1];\n parent[lastNew] = parent[lastOld];\n if (isArray(parent)) {\n
parent.splice(((lastOld: any): number), 1);\n } else {\n delete parent[lastOld];\n }\n }\n }\n}\n\nexport function
setInObject(\n object: Object,\n path: Array<string | number>,\n value: any,\n) {\n const length =
path.length;\n const last = path[length - 1];\n if (object !== null) {\n const parent = getInObject(object,
path.slice(0, length - 1));\n if (parent) {\n parent[last] = value;\n }\n }\n}\n\nexport type DataType =\n |
'array'\n | 'array_buffer'\n | 'bigint'\n | 'boolean'\n | 'class_instance'\n | 'data_view'\n | 'date'\n | 'function'\n |
'html_all_collection'\n | 'html_element'\n | 'infinity'\n | 'iterator'\n | 'opaque_iterator'\n | 'nan'\n | 'null'\n |
'number'\n | 'object'\n | 'react_element'\n | 'regexp'\n | 'string'\n | 'symbol'\n | 'typed_array'\n | 'undefined'\n |
'unknown';\n\n/**\n * Get a enhanced/artificial type string based on the object instance\n */\nexport function
getDataType(data: Object): DataType {\n if (data === null) {\n return 'null';\n } else if (data === undefined) {\n
return 'undefined';\n }\n\n if (isElement(data)) {\n return 'react_element';\n }\n\n if (typeof HTMLElement !==
'undefined' && data instanceof HTMLElement) {\n return 'html_element';\n }\n\n const type = typeof data;\n
switch (type) {\n case 'bigint':\n return 'bigint';\n case 'boolean':\n return 'boolean';\n case 'function':\n
return 'function';\n case 'number':\n if (Number.isNaN(data)) {\n return 'nan';\n } else if
(!Number.isFinite(data)) {\n return 'infinity';\n } else {\n return 'number';\n }\n case 'object':\n if
(isArray(data)) {\n return 'array';\n } else if (ArrayBuffer.isView(data)) {\n return
hasOwnProperty.call(data.constructor, 'BYTES_PER_ELEMENT')\n ? 'typed_array'\n : 'data_view';\n
} else if (data.constructor && data.constructor.name === 'ArrayBuffer') {\n // HACK This ArrayBuffer check is
gross; is there a better way?\n // We could try to create a new DataView with the value.\n // If it doesn't
error, we know it's an ArrayBuffer,\n // but this seems kind of awkward and expensive.\n return
'array_buffer';\n } else if (typeof data[Symbol.iterator] === 'function') {\n const iterator =
data[Symbol.iterator]();\n if (!iterator) {\n // Proxies might break assumptoins about iterators.\n //
See github.com/facebook/react/issues/21654\n } else {\n return iterator === data ? 'opaque_iterator' :
'iterator';\n }\n } else if (data.constructor && data.constructor.name === 'RegExp') {\n return 'regexp';\n
} else {\n // $FlowFixMe[method-unbinding]\n const toStringValue =
Object.prototype.toString.call(data);\n if (toStringValue === '[object Date]') {\n return 'date';\n } else

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if (toStringValue === '[object HTMLAllCollection]') {\n    return 'html_all_collection';\n    }\n    }\n    }\n    if
(!isPlainObject(data)) {\n    return 'class_instance';\n    }\n    }\n    return 'object';\n    case 'string':\n    return
'string';\n    case 'symbol':\n    return 'symbol';\n    case 'undefined':\n    if (\n    // $FlowFixMe[method-
unbinding]\n    Object.prototype.toString.call(data) === '[object HTMLAllCollection]'\n    ) {\n    return
'html_all_collection';\n    }\n    return 'undefined';\n    default:\n    return 'unknown';\n    }\n    }\n    \nexport function
getDisplaynameForReactElement(\n element: React$Element<any>,\n): string | null {\n    const elementType =
typeof(element);\n    switch (elementType) {\n    case ContextConsumer:\n    return 'ContextConsumer';\n    case
ContextProvider:\n    return 'ContextProvider';\n    case ForwardRef:\n    return 'ForwardRef';\n    case
Fragment:\n    return 'Fragment';\n    case Lazy:\n    return 'Lazy';\n    case Memo:\n    return 'Memo';\n    case
Portal:\n    return 'Portal';\n    case Profiler:\n    return 'Profiler';\n    case StrictMode:\n    return 'StrictMode';\n
case Suspense:\n    return 'Suspense';\n    case SuspenseList:\n    return 'SuspenseList';\n    case TracingMarker:\n
return 'TracingMarker';\n    default:\n    const {type} = element;\n    if (typeof type === 'string') {\n    return
type;\n    } else if (typeof type === 'function') {\n    return getDisplayName(type, 'Anonymous');\n    } else if
(type !== null) {\n    return 'NotImplementedInDevtools';\n    } else {\n    return 'Element';\n    }\n    }\n    }\n    \nconst MAX_PREVIEW_STRING_LENGTH = 50;\n    \nfunction truncateForDisplay(\n string: string,\n
length: number = MAX_PREVIEW_STRING_LENGTH,\n) {\n    if (string.length > length) {\n    return
string.slice(0, length) + '...';\n    } else {\n    return string;\n    }\n    }\n    \n// Attempts to mimic Chrome's inline preview
for values.\n    \n// For example, the following value...\n    \n// {\n    \n//   foo: 123,\n    \n//   bar: \"abc\",\n    \n//   baz: [true,
false],\n    \n//   qux: { ab: 1, cd: 2 }\n    \n//   };\n    \n// Would show a preview of...\n    \n// {foo: 123, bar: \"abc\", baz:
Array(2), qux: { ... }}\n    \n// And the following value...\n    \n// [\n    \n//   123,\n    \n//   \"abc\",\n    \n//   [true, false],\n    \n//   { foo:
123, bar: \"abc\" }\n    \n//   ];\n    \n// Would show a preview of...\n    \n// [123, \"abc\", Array(2), { ...}]\n    \nexport function
formatDataForPreview(\n data: any,\n showFormattedValue: boolean,\n): string {\n    if (data !== null &&
hasOwnProperty.call(data, meta.type)) {\n    return showFormattedValue\n    ? data[meta.preview_long]\n    :
data[meta.preview_short];\n    }\n    \n    const type = getDataType(data);\n    \n    switch (type) {\n    case 'html_element':\n    return `<${truncateForDisplay(data.tagName.toLowerCase())} />`;
\n    case 'function':\n    return
truncateForDisplay(\n    `f ${typeof data.name === 'function' ? '' : data.name}() {}`,\n    );\n    case 'string':\n
return `\"${data}\"`;
\n    case 'bigint':\n    return truncateForDisplay(data.toString() + 'n');
\n    case 'regex':\n    return truncateForDisplay(data.toString());
\n    case 'symbol':\n    return truncateForDisplay(data.toString());
\n    case 'react_element':\n    return `<${truncateForDisplay(\n    getDisplayNameForReactElement(data) ||
'Unknown',\n    )} />`;
\n    case 'array_buffer':\n    return `ArrayBuffer(${data.byteLength})`;
\n    case
'data_view':\n    return `DataView(${data.buffer.byteLength})`;
\n    case 'array':\n    if (showFormattedValue) {\n    let formatted = \"\";\n    for (let i = 0; i < data.length; i++) {\n    if (i > 0) {\n    formatted += ', ';\n    }\n    formatted += formatDataForPreview(data[i], false);\n    if (formatted.length >
MAX_PREVIEW_STRING_LENGTH) {\n    // Prevent doing a lot of unnecessary iteration...\n    break;\n    }\n    }\n    return `[${truncateForDisplay(formatted)}]`;
\n    } else {\n    const length =
hasOwnProperty.call(data, meta.size)\n    ? data[meta.size]\n    : data.length;\n    return
`Array(${length})`;
\n    }\n    case 'typed_array':\n    const shortName =
`${data.constructor.name}(${data.length})`;
\n    if (showFormattedValue) {\n    let formatted = \"\";\n    for (let i
= 0; i < data.length; i++) {\n    if (i > 0) {\n    formatted += ', ';\n    }\n    formatted += data[i];\n    }\n    if (formatted.length > MAX_PREVIEW_STRING_LENGTH) {\n    // Prevent doing a lot of unnecessary
iteration...\n    break;\n    }\n    }\n    return `${shortName} [${truncateForDisplay(formatted)}]`;
\n    } else {\n    return shortName;\n    }\n    case 'iterator':\n    const name = data.constructor.name;\n    \n    if
(showFormattedValue) {\n    // TRICKY\n    // Don't use [...spread] syntax for this purpose.\n    // This
project uses @babel/plugin-transform-spread in \"loose\" mode which only works with Array values.\n    // Other
types (e.g. typed arrays, Sets) will not spread correctly.\n    const array = Array.from(data);\n    \n    let formatted
= \"\";\n    for (let i = 0; i < array.length; i++) {\n    const entryOrEntries = array[i];\n    \n    if (i > 0) {\n    formatted += ', ';\n    }\n    }\n    // TRICKY\n    // Browsers display Maps and Sets differently.\n    // To
mimic their behavior, detect if we've been given an entries tuple.\n    // Map(2) {\"abc\" => 123, \"def\" =>

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123}\n    // Set(2) {"abc", 123}\n    if (isArray(entryOrEntries)) {\n        const key =
formatDataForPreview(entryOrEntries[0], true);\n        const value = formatDataForPreview(entryOrEntries[1],
false);\n        formatted += `${key} => ${value}`;\n    } else {\n        formatted +=
formatDataForPreview(entryOrEntries, false);\n    }\n    if (formatted.length >
MAX_PREVIEW_STRING_LENGTH) {\n        // Prevent doing a lot of unnecessary iteration...\n        break;\n    }\n    }\n    return `${name}(${data.size}) ${truncateForDisplay(formatted)} `;\n    } else {\n
return `${name}(${data.size}) `;\n    }\n    case 'opaque_iterator': {\n        return data[Symbol.toStringTag];\n    }\n    case 'date':\n        return data.toString();\n    case 'class_instance':\n        return data.constructor.name;\n    case
'object':\n        if (showFormattedValue) {\n            const keys =
Array.from(getAllEnumerableKeys(data)).sort(alphaSortKeys);\n            let formatted = "";\n            for (let i = 0; i <
keys.length; i++) {\n                const key = keys[i];\n                if (i > 0) {\n                    formatted += ', ';\n                }\n                formatted += `${key.toString()}: ${formatDataForPreview(\n                data[key],\n                false,\n                )}`;\n                if
(formatted.length > MAX_PREVIEW_STRING_LENGTH) {\n                    // Prevent doing a lot of unnecessary
iteration...\n                    break;\n                }\n            }\n            return `${truncateForDisplay(formatted)} `;\n        } else {\n
return '{...}';\n        }\n        case 'boolean':\n        case 'number':\n        case 'infinity':\n        case 'nan':\n        case 'null':\n        case
'undefined':\n        return data;\n        default:\n        try {\n            return truncateForDisplay(String(data));\n        } catch
(error) {\n            return 'unserializable';\n        }\n    }\n}\n\n// Basically checking that the object only has Object in its
prototype chain\nexport const isPlainObject = (object: Object): boolean => {\n    const objectPrototype =
Object.getPrototypeOf(object);\n    if (!objectPrototype) return true;\n\n    const objectParentPrototype =
Object.getPrototypeOf(objectPrototype);\n    return !objectParentPrototype;\n};\n\n"/**\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n * @flow\n */\nconst isArray = Array.isArray;\n\nexport default
isArray;\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\n/**\n *
WARNING:\n * This file contains types that are designed for React DevTools UI and how it interacts with the
backend.\n * They might be used in different versions of DevTools backends.\n * Be mindful of backwards
compatibility when making changes.\n */\n\nexport type BrowserTheme = 'dark' | 'light';\n\nexport type Wall = {\n
// `listen` returns the `unlisten` function.\n    listen: (fn: Function) => Function,\n    send: (event: string, payload: any,
transferable?: Array<any>) => void,\n};\n\n// WARNING\n// The values below are referenced by ComponentFilters
(which are saved via localStorage).\n// Do not change them or it will break previously saved user customizations.\n//
If new element types are added, use new numbers rather than re-ordering existing ones.\n\n// Changing these types
is also a backwards breaking change for the standalone shell,\n// since the frontend and backend must share the same
values-\n// and the backend is embedded in certain environments (like React Native).\n\nexport const
ElementTypeClass = 1;\nexport const ElementTypeContext = 2;\nexport const ElementTypeFunction = 5;\nexport
const ElementTypeForwardRef = 6;\nexport const ElementTypeHostComponent = 7;\nexport const
ElementTypeMemo = 8;\nexport const ElementTypeOtherOrUnknown = 9;\nexport const ElementTypeProfiler =
10;\nexport const ElementTypeRoot = 11;\nexport const ElementTypeSuspense = 12;\nexport const
ElementTypeSuspenseList = 13;\nexport const ElementTypeTracingMarker = 14;\n\n// Different types of elements
displayed in the Elements tree.\n// These types may be used to visually distinguish types,\n// or to enable/disable
certain functionality.\n\nexport type ElementType = 1 | 2 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14;\n\n// WARNING\n//
The values below are referenced by ComponentFilters (which are saved via localStorage).\n// Do not change them or
it will break previously saved user customizations.\n// If new filter types are added, use new numbers rather than
re-ordering existing ones.\n\nexport const ComponentFilterElementType = 1;\nexport const
ComponentFilterDisplayName = 2;\nexport const ComponentFilterLocation = 3;\nexport const
ComponentFilterHOC = 4;\n\nexport type ComponentFilterType = 1 | 2 | 3 | 4;\n\n// Hide all elements of types in
this Set.\n// We hide host components only by default.\n\nexport type ElementTypeComponentFilter = {\n    isEnabled:
boolean,\n    type: ElementType,\n    value: ElementType,\n};\n\n// Hide all elements with displayNames or paths matching one or
more of the RegExps in this Set.\n// Path filters are only used when elements include debug source location.\n\nexport

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type RegExpComponentFilter = {\n isEnabled: boolean,\n isValid: boolean,\n type: 2 | 3,\n value:
string,\n};\n\nexport type BooleanComponentFilter = {\n isEnabled: boolean,\n isValid: boolean,\n type:
4,\n};\n\nexport type ComponentFilter =\n | BooleanComponentFilter\n | ElementTypeComponentFilter\n |
RegExpComponentFilter;\n\nexport type HookName = string | null;\n\n// Map of hook source ("filename":<line-
number>:<column-number>") to name.\n\n// Hook source is used instead of the hook itself because the latter is not
stable between element inspections.\n\n// We use a Map rather than an Array because of nested hooks and traversal
ordering.\n\nexport type HookSourceLocationKey = string;\n\nexport type HookNames =
Map<HookSourceLocationKey, HookName>;\n\nexport type LRUCache<K, V> = {\n del: (key: K) => void,\n
get: (key: K) => V,\n has: (key: K) => boolean,\n reset: () => void,\n set: (key: K, value: V) => void,\n};\n\nexport
type StyleXPlugin = {\n sources: Array<string>,\n resolvedStyles: Object,\n};\n\nexport type Plugins = {\n stylex:
StyleXPlugin | null,\n};\n\nexport const StrictMode = 1;\n\n",// This is a generated file. Do not edit.\n\nvar
Space_Separator = /[\u1680\u2000-\u200A\u202F\u205F\u3000]/;\n\nvar ID_Start = /[\xAA\xB5\xBA\xC0-
\xD6\xD8-\xF6\xF8-\u02C1\u02C6-\u02D1\u02E0-\u02E4\u02EC\u02EE\u0370-
\u0374\u0376\u0377\u037A-\u037D\u037F\u0386\u0388-\u038A\u038C\u038E-\u03A1\u03A3-
\u03F5\u03F7-\u0481\u048A-\u052F\u0531-\u0556\u0559\u0561-\u0587\u05D0-\u05EA\u05F0-
\u05F2\u0620-\u064A\u066E\u066F\u0671-\u06D3\u06D5\u06E5\u06E6\u06EE\u06EF\u06FA-
\u06FC\u06FF\u0710\u0712-\u072F\u074D-\u07A5\u07B1\u07CA-\u07EA\u07F4\u07F5\u07FA\u0800-
\u0815\u081A\u0824\u0828\u0840-\u0858\u0860-\u086A\u08A0-\u08B4\u08B6-\u08BD\u0904-
\u0939\u093D\u0950\u0958-\u0961\u0971-\u0980\u0985-\u098C\u098F\u0990\u0993-\u09A8\u09AA-
\u09B0\u09B2\u09B6-\u09B9\u09BD\u09CE\u09DC\u09DD\u09DF-
\u09E1\u09F0\u09F1\u09FC\u0A05-\u0A0A\u0A0F\u0A10\u0A13-\u0A28\u0A2A-
\u0A30\u0A32\u0A33\u0A35\u0A36\u0A38\u0A39\u0A59-\u0A5C\u0A5E\u0A72-\u0A74\u0A85-
\u0A8D\u0A8F-\u0A91\u0A93-\u0AA8\u0AAA-\u0AB0\u0AB2\u0AB3\u0AB5-
\u0AB9\u0ABD\u0AD0\u0AE0\u0AE1\u0AF9\u0B05-\u0B0C\u0B0F\u0B10\u0B13-\u0B28\u0B2A-
\u0B30\u0B32\u0B33\u0B35-\u0B39\u0B3D\u0B5C\u0B5D\u0B5F-\u0B61\u0B71\u0B83\u0B85-
\u0B8A\u0B8E-\u0B90\u0B92-\u0B95\u0B99\u0B9A\u0B9C\u0B9E\u0B9F\u0BA3\u0BA4\u0BA8-
\u0BAA\u0BAE-\u0BB9\u0BD0\u0C05-\u0C0C\u0C0E-\u0C10\u0C12-\u0C28\u0C2A-
\u0C39\u0C3D\u0C58-\u0C5A\u0C60\u0C61\u0C80\u0C85-\u0C8C\u0C8E-\u0C90\u0C92-
\u0CA8\u0CAA-\u0CB3\u0CB5-\u0CB9\u0CBD\u0CDE\u0CE0\u0CE1\u0CF1\u0CF2\u0D05-
\u0D0C\u0D0E-\u0D10\u0D12-\u0D3A\u0D3D\u0D4E\u0D54-\u0D56\u0D5F-\u0D61\u0D7A-
\u0D7F\u0D85-\u0D96\u0D9A-\u0DB1\u0DB3-\u0DBB\u0DBD\u0DC0-\u0DC6\u0E01-
\u0E30\u0E32\u0E33\u0E40-\u0E46\u0E81\u0E82\u0E84\u0E87\u0E88\u0E8A\u0E8D\u0E94-
\u0E97\u0E99-\u0E9F\u0EA1-\u0EA3\u0EA5\u0EA7\u0EAA\u0EAB\u0EAD-
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\uDDDE1D][\uDDDB40[\uDDDD00-\uDDDEF]/];\n\nvar unicode = {\n  \tSpace_Separator: Space_Separator,\n  \tID_Start:
ID_Start,\n  \tID_Continue: ID_Continue\n};\n\nvar util = {\n  isSpaceSeparator (c) {\n    return typeof c ===
'string' && unicode.Space_Separator.test(c)\n  },\n  isIdStartChar (c) {\n    return typeof c === 'string' && (\n
(c >= 'a' && c <= 'z') ||\n    (c >= 'A' && c <= 'Z') ||\n    (c === '$') || (c === '_')\n  )\n},\n  isIdContinueChar (c) {\n    return typeof c === 'string' && (\n
(c >= 'a' && c <= 'z') ||\n    (c >= 'A' && c <= 'Z') ||\n    (c >= '0' && c <= '9') ||\n    (c === '$') || (c === '_')\n  )\n},\n  isDigit (c) {\n
return typeof c === 'string' && /[0-9]/.test(c)\n},\n  isHexDigit (c) {\n    return typeof c === 'string' &&
/[0-9A-Fa-f]/.test(c)\n},\n};\n\nlet source;\nlet parseState;\nlet stack;\nlet pos;\nlet line;\nlet column;\nlet
token;\nlet key;\nlet root;\n\nvar parse = function parse (text, reviver) {\n  source = String(text);\n  parseState =
'start';\n  stack = [];\n  pos = 0;\n  line = 1;\n  column = 0;\n  token = undefined;\n  key = undefined;\n  root =
undefined;\n\n  do {\n    token = lex();\n\n    // This code is unreachable.\n    // if
(!parseStates[parseState]) {\n    // throw invalidParseState()\n    // }\n\n    parseStates[parseState]();\n  }\n\n  while (token.type !== 'eof')\n    if (typeof reviver === 'function') {\n    return internalize({'': root}, ", reviver)\n
}\n\n  return root\n};\n\nfunction internalize (holder, name, reviver) {\n  const value = holder[name];\n  if (value
!== null && typeof value === 'object') {\n    for (const key in value) {\n      const replacement =
internalize(value, key, reviver);\n      if (replacement === undefined) {\n        delete value[key];\n      }\n
    }\n    value[key] = replacement;\n  }\n}\n\nreturn reviver.call(holder, name,
value)\n}\n\nlet lexState;\nlet buffer;\nlet doubleQuote;\nlet sign;\nlet c;\n\nfunction lex () {\n  lexState =
'default';\n  buffer = '';\n  doubleQuote = false;\n  sign = 1;\n\n  for (;;) {\n    c = peek();\n\n    // This code
is unreachable.\n    // if (!lexStates[lexState]) {\n    // throw invalidLexState(lexState)\n    // }\n\n    const
token = lexStates[lexState]();\n    if (token) {\n      return token\n    }\n  }\n}\n\nfunction peek () {\n  if
(source[pos]) {\n    return String.fromCharCode(source.codePointAt(pos))\n  }\n}\n\nfunction read () {\n

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const c = peek();\n\n if (c === '\\n') {\n    line++;\n    column = 0;\n  } else if (c) {\n    column +=
c.length;\n  } else {\n    column++;\n  }\n\n if (c) {\n    pos += c.length;\n  }\n\n return c\n}\n\nconst
lexStates = {\n  default () {\n    switch (c) {\n      case '\\t':\n      case '\\v':\n      case '\\f':\n      case ' '\n      case '\\u00A0':\n      case '\\uFEFF':\n      case '\\n':\n      case '\\r':\n      case '\\u2028':\n      case '\\u2029':\n        read();\n        return\n\n      case '/':\n        read();\n        lexState = 'comment';\n        return\n\n      case
undefined:\n        read();\n        return newToken('eof')\n    }\n\n    if (util.isSpaceSeparator(c)) {\n
read();\n    return\n    }\n\n    // This code is unreachable.\n    // if (!lexStates[parseState]) {\n    //
throw invalidLexState(parseState)\n    // }\n\n    return lexStates[parseState]\n  },\n  comment () {\n
switch (c) {\n    case '*':\n      read();\n      lexState = 'multiLineComment';\n      return\n\n    case
'/':\n      read();\n      lexState = 'singleLineComment';\n      return\n    }\n\n    throw
invalidChar(read())\n  },\n  multiLineComment () {\n    switch (c) {\n      case '*':\n        read();\n
lexState = 'multiLineCommentAsterisk';\n        return\n\n      case undefined:\n        throw
invalidChar(read())\n    }\n\n    read();\n  },\n  multiLineCommentAsterisk () {\n    switch (c) {\n
case '*':\n      read();\n      return\n\n      case '/':\n        read();\n        lexState = 'default';\n
return\n\n      case undefined:\n        throw invalidChar(read())\n    }\n\n    read();\n    lexState =
'multiLineComment';\n  },\n  singleLineComment () {\n    switch (c) {\n      case '\\n':\n      case '\\r':\n
case '\\u2028':\n      case '\\u2029':\n        read();\n        lexState = 'default';\n        return\n\n
      case undefined:\n        read();\n        return newToken('eof')\n    }\n\n    read();\n  },\n  value () {\n
switch (c) {\n    case '{':\n    case '[':\n      return newToken('punctuator', read())\n\n    case 'n':\n
read();\n    literal('null');\n    return newToken('null', null)\n\n    case 't':\n      read();\n
literal('true');\n      return newToken('boolean', true)\n\n    case 'f':\n      read();\n      literal('false');\n
return newToken('boolean', false)\n\n    case '-':\n    case '+':\n      if (read() === '-') {\n        sign = -
1;\n      }\n\n      lexState = 'sign';\n      return\n\n      case '.':\n        buffer = read();\n        lexState =
'decimalPointLeading';\n        return\n\n      case '0':\n        buffer = read();\n        lexState = 'zero';\n
return\n\n      case '1':\n      case '2':\n      case '3':\n      case '4':\n      case '5':\n      case '6':\n      case '7':\n
      case '8':\n      case '9':\n        buffer = read();\n        lexState = 'decimalInteger';\n        return\n\n
      case 'I':\n      read();\n      literal('Infinity');\n      return newToken('numeric', Infinity)\n\n      case 'N':\n
read();\n      literal('NaN');\n      return newToken('numeric', NaN)\n\n      case '\"':\n      case '\"':\n
doubleQuote = (read() === '\"');\n      buffer = '';\n      lexState = 'string';\n      return\n    }\n\n
throw invalidChar(read())\n  },\n  identifierNameStartEscape () {\n    if (c !== 'u') {\n      throw
invalidChar(read())\n    }\n\n    read();\n    const u = unicodeEscape();\n    switch (u) {\n      case '$':\n
      case '_':\n        break\n\n      default:\n        if (!util.isIdStartChar(u)) {\n          throw
invalidIdentifier()\n        }\n\n        break\n    }\n\n    buffer += u;\n    lexState = 'identifierName';\n  },\n  identifierName () {\n
switch (c) {\n    case '$':\n    case '_':\n    case '\\u200C':\n    case '\\u200D':\n      buffer +=
read();\n      return\n\n      case '\\\\':\n        read();\n        lexState = 'identifierNameEscape';\n
return\n    }\n\n    if (util.isIdContinueChar(c)) {\n      buffer += read();\n      return\n    }\n\n
return newToken('identifier', buffer)\n  },\n  identifierNameEscape () {\n    if (c !== 'u') {\n      throw
invalidChar(read())\n    }\n\n    read();\n    const u = unicodeEscape();\n    switch (u) {\n      case '$':\n
      case '_':\n      case '\\u200C':\n      case '\\u200D':\n        break\n\n      default:\n        if
(!util.isIdContinueChar(u)) {\n          throw invalidIdentifier()\n        }\n\n        break\n    }\n\n    buffer
+= u;\n    lexState = 'identifierName';\n  },\n  sign () {\n    switch (c) {\n      case '.':\n        buffer =
read();\n        lexState = 'decimalPointLeading';\n        return\n\n      case '0':\n        buffer = read();\n
lexState = 'zero';\n        return\n\n      case '1':\n      case '2':\n      case '3':\n      case '4':\n      case '5':\n
      case '6':\n      case '7':\n      case '8':\n      case '9':\n        buffer = read();\n        lexState =
'decimalInteger';\n        return\n\n      case 'I':\n      read();\n      literal('Infinity');\n      return newToken('numeric', sign *
Infinity)\n\n      case 'N':\n      read();\n      literal('NaN');\n      return newToken('numeric', NaN)\n
    }\n\n    throw invalidChar(read())\n  },\n  zero () {\n    switch (c) {\n      case '.':\n        buffer +=
read();\n        lexState = 'decimalPoint';\n        return\n\n      case 'e':\n      case 'E':\n        buffer += read();\n

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lexState = 'decimalExponent';\n    return\n\n    case 'x':\n    case 'X':\n    buffer += read();\nlexState = 'hexadecimal';\n    return\n    }\n\n    return newToken('numeric', sign * 0)\n    },\n\n    decimalInteger () {\n    switch (c) {\n    case '':\n    buffer += read();\n    lexState = 'decimalPoint';\n    return\n\n    case 'e':\n    case 'E':\n    buffer += read();\n    lexState = 'decimalExponent';\n    return\n    }\n\n    if (util.isDigit(c)) {\n    buffer += read();\n    return\n    }\n\n    return\n    newToken('numeric', sign * Number(buffer))\n    },\n\n    decimalPointLeading () {\n    if (util.isDigit(c)) {\n    buffer += read();\n    lexState = 'decimalFraction';\n    return\n    }\n\n    throw invalidChar(read())\n    },\n\n    decimalPoint () {\n    switch (c) {\n    case 'e':\n    case 'E':\n    buffer += read();\n    lexState = 'decimalExponent';\n    return\n    }\n\n    if (util.isDigit(c)) {\n    buffer += read();\n    lexState = 'decimalFraction';\n    return\n    }\n\n    return newToken('numeric', sign * Number(buffer))\n    },\n\n    decimalFraction () {\n    switch (c) {\n    case 'e':\n    case 'E':\n    buffer += read();\n    lexState = 'decimalExponent';\n    return\n    }\n\n    if (util.isDigit(c)) {\n    buffer += read();\n    return\n    }\n\n    return newToken('numeric', sign * Number(buffer))\n    },\n\n    decimalExponent () {\n    switch (c) {\n    case '+':\n    case '-':\n    buffer += read();\n    lexState = 'decimalExponentSign';\n    return\n    }\n\n    if (util.isDigit(c)) {\n    buffer += read();\n    lexState =\n    'decimalExponentInteger';\n    return\n    }\n\n    throw invalidChar(read())\n    },\n\n    decimalExponentSign () {\n    if (util.isDigit(c)) {\n    buffer += read();\n    lexState =\n    'decimalExponentInteger';\n    return\n    }\n\n    throw invalidChar(read())\n    },\n\n    decimalExponentInteger () {\n    if (util.isDigit(c)) {\n    buffer += read();\n    return\n    }\n\n    return newToken('numeric', sign * Number(buffer))\n    },\n\n    hexadecimal () {\n    if (util.isHexDigit(c)) {\n    buffer += read();\n    lexState = 'hexadecimalInteger';\n    return\n    }\n\n    throw\n    invalidChar(read())\n    },\n\n    hexadecimalInteger () {\n    if (util.isHexDigit(c)) {\n    buffer += read();\n    return\n    }\n\n    return newToken('numeric', sign * Number(buffer))\n    },\n\n    string () {\n    switch\n    (c) {\n    case '\\\\':\n    read();\n    buffer += escape();\n    return\n\n    case '\"':\n    if\n    (doubleQuote) {\n    read();\n    return newToken('string', buffer)\n    }\n\n    buffer +=\n    read();\n    return\n\n    case '\"':\n    if (!doubleQuote) {\n    read();\n    return\n    }\n\n    return newToken('string', buffer)\n    }\n\n    buffer += read();\n    return\n\n    case '\\n':\n    case '\\r':\n    throw invalidChar(read())\n\n    case '\\u2028':\n    case '\\u2029':\n    separatorChar(c);\n    break\n\n    case undefined:\n    throw invalidChar(read())\n    }\n\n    buffer += read();\n    },\n\n    start\n    () {\n    switch (c) {\n    case '{':\n    case '[':\n    return newToken('punctuator', read())\n\n    // This\n    code is unreachable since the default lexState handles eof.\n    // case undefined:\n    // return\n    newToken('eof')\n    }\n\n    lexState = 'value';\n    },\n\n    beforePropertyName () {\n    switch (c) {\n    case '$':\n    case '_':\n    buffer = read();\n    lexState = 'identifierName';\n    return\n\n    case\n    '\\\\':\n    read();\n    lexState = 'identifierNameStartEscape';\n    return\n\n    case\n    '{':\n    return\n    newToken('punctuator', read())\n\n    case\n    '\"':\n    case\n    '\"':\n    doubleQuote = (read() === '\"');\n    lexState = 'string';\n    return\n    }\n\n    if (util.isIdStartChar(c)) {\n    buffer += read();\n    lexState = 'identifierName';\n    return\n    }\n\n    throw invalidChar(read())\n    },\n\n    afterPropertyName () {\n    if (c === ':') {\n    return newToken('punctuator', read())\n    }\n\n    throw\n    invalidChar(read())\n    },\n\n    beforePropertyValue () {\n    lexState = 'value';\n    },\n\n    afterPropertyValue ()\n    {\n    switch (c) {\n    case ':':\n    case\n    '}':\n    return newToken('punctuator', read())\n    }\n\n    throw\n    invalidChar(read())\n    },\n\n    beforeArrayValue () {\n    if (c === ']') {\n    return\n    newToken('punctuator', read())\n    }\n\n    lexState = 'value';\n    },\n\n    afterArrayValue () {\n    switch (c)\n    {\n    case\n    ':':\n    case\n    ']':\n    return newToken('punctuator', read())\n    }\n\n    throw\n    invalidChar(read())\n    },\n\n    end () {\n    // This code is unreachable since it's handled by the default lexState.\n\n    // if (c === undefined) {\n    // read()\n    // return newToken('eof')\n    // }\n\n    throw\n    invalidChar(read())\n    },\n\n    }\n\n\n    function newToken (type, value) {\n    return {\n    type,\n    value,\n    line,\n    column,\n    }\n\n\n    function literal (s) {\n    for (const c of s) {\n    const p = peek();\n\n    if (p !==\n    c) {\n    throw invalidChar(read())\n    }\n\n    read();\n    }\n\n    }\n\n\n    function escape () {\n    const c =

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peek();\n switch (c) {\n case 'b':\n read();\n return "\\b"\n case 'f':\n read();\n return "\\f"\n case 'n':\n read();\n return "\\n"\n case 'r':\n read();\n return "\\r"\n case 't':\n read();\n return "\\t"\n case 'v':\n read();\n return "\\v"\n case '0':\n read();\n if (util.isDigit(peek())) {\n throw invalidChar(read())\n }\n return "\\0"\n case 'x':\n read();\n return hexEscape()\n case 'u':\n read();\n return unicodeEscape()\n case '\\n':\n case '\\u2028':\n case '\\u2029':\n read();\n return "\\n"\n case '\\r':\n read();\n if (peek() === "\\n") {\n read();\n }\n return "\\n"\n case '1':\n case '2':\n case '3':\n case '4':\n case '5':\n case '6':\n case '7':\n case '8':\n case '9':\n throw invalidChar(read())\n case undefined:\n throw invalidChar(read())\n }\n return read()\n}\n\nfunction hexEscape () {\n let buffer = "";\n let c = peek();\n if (!util.isHexDigit(c)) {\n throw invalidChar(read())\n }\n buffer += read();\n c = peek();\n if (!util.isHexDigit(c)) {\n throw invalidChar(read())\n }\n buffer += read();\n return String.fromCharCode(parseInt(buffer, 16))\n}\n\nfunction unicodeEscape () {\n let buffer = "";\n let count = 4;\n while (count-- > 0) {\n const c = peek();\n if (!util.isHexDigit(c)) {\n throw invalidChar(read())\n }\n buffer += read();\n }\n return String.fromCharCode(parseInt(buffer, 16))\n}\n\nconst parseStates = {\n start () {\n if (token.type === 'eof') {\n throw invalidEOF()\n }\n push();\n },\n beforePropertyName () {\n switch (token.type) {\n case 'identifier':\n case 'string':\n key = token.value;\n parseState = 'afterPropertyName';\n return\n case 'punctuator':\n // This code is unreachable since it's handled by the lexState.\n // if (token.value !== '}') {\n // throw invalidToken()\n // }\n pop();\n return\n case 'eof':\n throw invalidEOF()\n }\n // This code is unreachable since it's handled by the lexState.\n // throw invalidToken()\n },\n afterPropertyName () {\n // This code is unreachable since it's handled by the lexState.\n // if (token.type !== 'punctuator' || token.value !== ':') {\n // throw invalidToken()\n // }\n if (token.type === 'eof') {\n throw invalidEOF()\n }\n parseState = 'beforePropertyValue';\n },\n beforePropertyValue () {\n if (token.type === 'eof') {\n throw invalidEOF()\n }\n push();\n },\n beforeArrayValue () {\n if (token.type === 'eof') {\n throw invalidEOF()\n }\n if (token.type === 'punctuator' && token.value === ']') {\n pop();\n return\n }\n push();\n },\n afterPropertyValue () {\n // This code is unreachable since it's handled by the lexState.\n // if (token.type !== 'punctuator') {\n // throw invalidToken()\n // }\n if (token.type === 'eof') {\n throw invalidEOF()\n }\n switch (token.value) {\n case ',':\n parseState = 'beforePropertyName';\n return\n case '}':\n pop();\n }\n // This code is unreachable since it's handled by the lexState.\n // throw invalidToken()\n },\n afterArrayValue () {\n // This code is unreachable since it's handled by the lexState.\n // if (token.type !== 'punctuator') {\n // throw invalidToken()\n // }\n if (token.type === 'eof') {\n throw invalidEOF()\n }\n switch (token.value) {\n case ',':\n parseState = 'beforeArrayValue';\n return\n case ']':\n pop();\n }\n // This code is unreachable since it's handled by the lexState.\n // throw invalidToken()\n },\n end () {\n // This code is unreachable since it's handled by the lexState.\n // if (token.type !== 'eof') {\n // throw invalidToken()\n // }\n },\n};\n\nfunction push () {\n let value;\n switch (token.type) {\n case 'punctuator':\n switch (token.value) {\n case '{':\n value = {};\n break\n case '[':\n value = [];\n break\n }\n break\n case 'null':\n case 'boolean':\n case 'numeric':\n case 'string':\n value = token.value;\n break\n // This code is unreachable.\n // default:\n // throw invalidToken()\n }\n if (root === undefined) {\n root = value;\n } else {\n const parent = stack[stack.length - 1];\n if (Array.isArray(parent)) {\n parent.push(value);\n } else {\n parent[key] = value;\n }\n }\n if (value !== null && typeof value === 'object') {\n stack.push(value);\n if (Array.isArray(value)) {\n parseState = 'beforeArrayValue';\n } else {\n parseState = 'beforePropertyName';\n }\n } else {\n const current = stack[stack.length - 1];\n if (current === null) {\n parseState = 'end';\n } else if (Array.isArray(current)) {\n parseState = 'afterArrayValue';\n } else {\n parseState = 'afterPropertyValue';\n }\n }\n}\n\nfunction pop () {\n stack.pop();\n const current = stack[stack.length - 1];\n if (current === null) {\n parseState = 'end';\n } else if (Array.isArray(current)) {\n parseState =

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'afterArrayValue';\n  } else {\n    parseState = 'afterPropertyValue';\n  }\n}\n\n// This code is unreachable.\n// function invalidParseState () {\n//   return new Error(`JSON5: invalid parse state '${parseState}'`);\n// }\n\n// This code is unreachable.\n// function invalidLexState (state) {\n//   return new Error(`JSON5: invalid lex state '${state}'`);\n// }\n\nfunction invalidChar (c) {\n  if (c === undefined) {\n    return syntaxError(`JSON5: invalid end of input at ${line}:${column}`);\n  }\n\n  return syntaxError(`JSON5: invalid character '${formatChar(c)}' at ${line}:${column}`);\n}\n\nfunction invalidEOF () {\n  return syntaxError(`JSON5: invalid end of input at ${line}:${column}`);\n}\n\n// This code is unreachable.\n// function invalidToken () {\n//   if (token.type === 'eof') {\n//     return syntaxError(`JSON5: invalid end of input at ${line}:${column}`);\n//   }\n}\n\nconst c = String.fromCodePoint(token.value.codePointAt(0));\nreturn syntaxError(`JSON5: invalid character '${formatChar(c)}' at ${line}:${column}`);\n}\n\nfunction invalidIdentifier () {\n  column -= 5;\n  return syntaxError(`JSON5: invalid identifier character at ${line}:${column}`);\n}\n\nfunction separatorChar (c) {\n  console.warn(`JSON5: '${formatChar(c)}' in strings is not valid ECMAScript; consider escaping`);\n}\n\nfunction formatChar (c) {\n  const replacements = {\n    '\\': '\\\\\\\\',\n    '\\b': '\\\\\\\\b',\n    '\\f': '\\\\\\\\f',\n    '\\n': '\\\\\\\\n',\n    '\\r': '\\\\\\\\r',\n    '\\t': '\\\\\\\\t',\n    '\\v': '\\\\\\\\v',\n    '\\0': '\\\\\\\\0',\n    '\\u2028': '\\\\\\\\u2028',\n    '\\u2029': '\\\\\\\\u2029',\n  };\n\n  if (replacements[c]) {\n    return replacements[c];\n  }\n\n  if (c < ' ') {\n    const hexString = c.charCodeAt(0).toString(16);\n    return '\\\\\\\\x' + ('00' + hexString).substring(hexString.length);\n  }\n\n  return c;\n}\n\nfunction syntaxError (message) {\n  const err = new SyntaxError(message);\n  err.lineNumber = line;\n  err.columnNumber = column;\n  return err;\n}\n\nvar stringify = function stringify (value, replacer, space) {\n  const stack = [];\n  let indent = "";\n  let propertyList;\n  let replacerFunc;\n  let gap = "";\n  let quote;\n\n  if (\n    replacer !== null &&\n    typeof replacer === 'object' &&\n    !Array.isArray(replacer)\n  ) {\n    space = replacer.space;\n    quote = replacer.quote;\n    replacer = replacer.replacer;\n  }\n\n  if (typeof replacer === 'function') {\n    replacerFunc = replacer;\n  } else if (Array.isArray(replacer)) {\n    propertyList = [];\n    for (const v of replacer) {\n      let item;\n\n      if (typeof v === 'string') {\n        item = v;\n      } else if (\n        typeof v === 'number' ||\n        v instanceof String ||\n        v instanceof Number\n      ) {\n        item = String(v);\n      }\n\n      if (item !== undefined && propertyList.indexOf(item) < 0) {\n        propertyList.push(item);\n      }\n    }\n\n    if (space instanceof Number) {\n      space = Number(space);\n    } else if (space instanceof String) {\n      space = String(space);\n    }\n\n    if (typeof space === 'number') {\n      if (space > 0) {\n        space = Math.min(10, Math.floor(space));\n        gap = ' '.substr(0, space);\n      }\n    } else if (typeof space === 'string') {\n      gap = space.substr(0, 10);\n    }\n\n    return serializeProperty("", {"": value});\n  }\n\n  function serializeProperty (key, holder) {\n    let value = holder[key];\n    if (value !== null) {\n      if (typeof value.toJSON5 === 'function') {\n        value = value.toJSON5(key);\n      } else if (typeof value.toJSON === 'function') {\n        value = value.toJSON(key);\n      }\n    }\n\n    if (replacerFunc) {\n      value = replacerFunc.call(holder, key, value);\n    }\n\n    if (value instanceof Number) {\n      value = Number(value);\n    } else if (value instanceof String) {\n      value = String(value);\n    } else if (value instanceof Boolean) {\n      value = value.valueOf();\n    }\n\n    switch (value) {\n      case null: return 'null';\n      case true: return 'true';\n      case false: return 'false';\n    }\n\n    if (typeof value === 'string') {\n      return quoteString(value, false);\n    }\n\n    if (typeof value === 'number') {\n      return String(value);\n    }\n\n    if (typeof value === 'object') {\n      return Array.isArray(value) ? serializeArray(value) :\n        serializeObject(value);\n    }\n\n    return undefined;\n  }\n\n  function quoteString (value) {\n    const quotes = {\n      '\\': '\\\\\\\\',\n      '\\b': '\\\\\\\\b',\n      '\\f': '\\\\\\\\f',\n      '\\n': '\\\\\\\\n',\n      '\\r': '\\\\\\\\r',\n      '\\t': '\\\\\\\\t',\n      '\\v': '\\\\\\\\v',\n      '\\0': '\\\\\\\\0',\n      '\\u2028': '\\\\\\\\u2028',\n      '\\u2029': '\\\\\\\\u2029',\n    };\n\n    let product = "";\n    for (let i = 0; i < value.length; i++) {\n      const c = value[i];\n      switch (c) {\n        case '\\':\n        case '\\b':\n        case '\\f':\n        case '\\n':\n        case '\\r':\n        case '\\t':\n        case '\\v':\n        case '\\0':\n        case '\\u2028':\n        case '\\u2029':\n          quotes[c]++; product += c; continue;\n        case '\\0':\n          if (util.isDigit(value[i + 1])) {\n            product += '\\\\\\\\x00';\n            continue;\n          }\n        case '\\':\n          if (replacements[c]) {\n            product += replacements[c];\n            continue;\n          }\n        case '\\':\n          if (c < ' ') {\n            let hexString = c.charCodeAt(0).toString(16);\n            product += '\\\\\\\\x'

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+ ('00' + hexString).substring(hexString.length);\n        continue\n    }\n    product += c;\n  }\n  const quoteChar = quote || Object.keys(quotes).reduce((a, b) => (quotes[a] < quotes[b]) ? a : b);\n  product = product.replace(new RegExp(quoteChar, 'g'), replacements[quoteChar]);\n  return quoteChar + product + quoteChar\n}\n\nfunction serializeObject (value) {\n  if (stack.indexOf(value) >= 0) {\n    throw\n    TypeError('Converting circular structure to JSON5')\n  }\n  stack.push(value);\n  let stepback =\n  indent;\n  indent = indent + gap;\n  let keys = propertyList || Object.keys(value);\n  let partial = [];\n  for (const key of keys) {\n    const propertyString = serializeProperty(key, value);\n    if (propertyString\n    !== undefined) {\n      let member = serializeKey(key) + ':';\n      if (gap !== '') {\n        member\n        += ' ';\n      }\n      member += propertyString;\n      partial.push(member);\n    }\n    let final;\n    if (partial.length === 0) {\n      final = '{}';\n    } else {\n      let properties;\n      if\n      (gap === '') {\n        properties = partial.join(',');\n        final = '{' + properties + '};'\n      } else {\n        let separator = ',\\n' + indent;\n        properties = partial.join(separator);\n        final = '{\\n' + indent +\n        properties + ',\\n' + stepback + '};'\n      }\n    }\n    stack.pop();\n    indent = stepback;\n    return\n    final\n  }\n}\n\nfunction serializeKey (key) {\n  if (key.length === 0) {\n    return quoteString(key, true)\n  }\n  const firstChar = String.fromCodePoint(key.codePointAt(0));\n  if (!util.isIdStartChar(firstChar))\n  {\n    return quoteString(key, true)\n  }\n  for (let i = firstChar.length; i < key.length; i++) {\n    if\n    (!util.isIdContinueChar(String.fromCodePoint(key.codePointAt(i)))) {\n      return quoteString(key, true)\n    }\n  }\n  return key\n}\n\nfunction serializeArray (value) {\n  if (stack.indexOf(value) >= 0) {\n    throw\n    TypeError('Converting circular structure to JSON5')\n  }\n  stack.push(value);\n  let\n  stepback = indent;\n  indent = indent + gap;\n  let partial = [];\n  for (let i = 0; i < value.length; i++) {\n    const propertyString = serializeProperty(String(i), value);\n    partial.push((propertyString !== undefined)\n    ? propertyString : 'null');\n  }\n  let final;\n  if (partial.length === 0) {\n    final = '[]';\n  } else\n  {\n    if (gap === '') {\n      let properties = partial.join(',');\n      final = '[' + properties + ']';\n    } else {\n      let separator = ',\\n' + indent;\n      let properties = partial.join(separator);\n      final =\n      '[\\n' + indent + properties + ',\\n' + stepback + ']';\n    }\n  }\n  stack.pop();\n  indent = stepback;\n  return\n  final\n};\n\nconst JSON5 = {\n  parse,\n  stringify,\n};\n\nvar lib = JSON5;\n\nexport default\nlib;\n\n/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT\n license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport JSON5\nfrom 'json5';\n\nimport type {Element} from './views/Components/types';\nimport type {StateContext} from\n './views/Components/TreeContext';\nimport type Store from './store';\n\nexport function printElement(\n  element:\n  Element,\n  includeWeight: boolean = false,\n): string {\n  let prefix = ' ';\n  if (element.children.length > 0) {\n    prefix = element.isCollapsed ? " : " : " }\n  let key = ";\n  if (element.key !== null) {\n    key = `key=${element.key}`;\n  }\n  let hocDisplayNames = null;\n  if (element.hocDisplayNames !== null) {\n    hocDisplayNames = [...element.hocDisplayNames];\n  }\n  const hocs =\n  hocDisplayNames === null ? " : `[\n  ${hocDisplayNames.join(' ')}]`\n  `;\n  let suffix = ";\n  if (includeWeight) {\n    suffix = ` (${element.isCollapsed ?\n  1 : element.weight})`\n  }\n  return `${' '.repeat(element.depth + 1)}${prefix} <${\n  element.displayName ||\n  'null'\n  } ${key}>${hocs}${suffix}`;\n}\n\nexport function printOwnersList(\n  elements: Array<Element>,\n  includeWeight: boolean = false,\n): string {\n  return elements\n  .map(element => printElement(element,\n  includeWeight))\n  .join('\\n');\n}\n\nexport function printStore(\n  store: Store,\n  includeWeight: boolean =\n  false,\n  state: StateContext | null = null,\n): string {\n  const snapshotLines = [];\n  let rootWeight = 0;\n  function printSelectedMarker(index: number): string {\n    if (state === null) {\n      return ";\n    }\n    return\n    state.selectedElementIndex === index ? `` : ' ';\n  }\n  function printErrorsAndWarnings(element: Element): string\n  {\n    const {errorCount, warningCount} =\n    store.getErrorAndWarningCountForElementID(element.id);\n    if\n    (errorCount === 0 && warningCount === 0) {\n      return ";\n    }\n    return ` ${errorCount > 0 ? " :\n    "}${warningCount > 0 ? " : "}`;\n  }\n  const ownerFlatTree = state !== null ? state.ownerFlatTree : null;\n  if\n  (ownerFlatTree !== null) {\n    snapshotLines.push(` [owners] + (includeWeight ? ` (\n    ${ownerFlatTree.length}) ` : " );\n    ownerFlatTree.forEach((element, index) => {\n      const\n      printedSelectedMarker = printSelectedMarker(index);\n      const printedElement = printElement(element, false);\n
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const printedErrorsAndWarnings = printErrorsAndWarnings(element);\n  snapshotLines.push(\n
`${printedSelectedMarker}${printedElement}${printedErrorsAndWarnings}`,\n  );\n  });\n } else {\n  const
errorsAndWarnings = store._errorsAndWarnings;\n  if (errorsAndWarnings.size > 0) {\n    let errorCount = 0;\n
let warningCount = 0;\n    errorsAndWarnings.forEach(entry => {\n      errorCount += entry.errorCount;\n
warningCount += entry.warningCount;\n    });\n\n    snapshotLines.push(`${errorCount}, ${warningCount}`);\n
  }\n  store.roots.forEach(rootID => {\n    const {weight} = ((store.getElementByID(rootID): any): Element);\n
const maybeWeightLabel = includeWeight ? ` (${weight})` : '';\n\n    // Store does not (yet) expose a way to get
errors/warnings per root.\n    snapshotLines.push(`[rootID${maybeWeightLabel}]`);\n\n    for (let i = rootWeight; i
< rootWeight + weight; i++) {\n      const element = store.getElementAtIndex(i);\n      if (element === null) {\n
throw Error(`Could not find element at index "${i}"`);\n      }\n      const printedSelectedMarker =
printSelectedMarker(i);\n      const printedElement = printElement(element, includeWeight);\n      const
printedErrorsAndWarnings = printErrorsAndWarnings(element);\n      snapshotLines.push(\n
`${printedSelectedMarker}${printedElement}${printedErrorsAndWarnings}`,\n      );\n      }\n      rootWeight +=
weight;\n    });\n\n    // Make sure the pretty-printed test align with the Store's reported number of total rows.\n
if (rootWeight !== store.numElements) {\n      throw Error(`Inconsistent Store state. Individual root weights
("${rootWeight}") do not match total weight ("${store.numElements}")`);\n    }\n\n    // If roots have been
unmounted, verify that they've been removed from maps.\n    // This helps ensure the Store doesn't leak memory.\n
store.assertExpectedRootMapSizes();\n  }\n  return snapshotLines.join("\n");\n}\n\n// We use JSON.parse to parse
string values\n// e.g. 'foo' is not valid JSON but it is a valid string\n// so this method replaces e.g. 'foo' with
'foo'\n\nexport function sanitizeForParse(value: any): any | string {\n  if (typeof value === 'string') {\n    if (\n
value.length >= 2 &&\n    value.charAt(0) === '"' &&\n    value.charAt(value.length - 1) === '"'\n  ) {\n
return '"' + value.slice(1, value.length - 1) + '"';\n  }\n  return value;\n}\n\nexport function smartParse(value:
any): any | void | number {\n  switch (value) {\n    case 'Infinity':\n      return Infinity;\n    case 'NaN':\n
return NaN;\n    case 'undefined':\n      return undefined;\n    default:\n      return JSON5.parse(sanitizeForParse(value));\n
  }\n}\n\nexport function smartStringify(value: any): string {\n  if (typeof value === 'number') {\n    if
(Number.isNaN(value)) {\n      return 'NaN';\n    } else if (!Number.isFinite(value)) {\n      return 'Infinity';\n
  }\n  } else if (value === undefined) {\n    return 'undefined';\n  }\n  return JSON.stringify(value);\n}\n\n// [url, row,
column]\nexport type Stack = [string, number, number];\n\nconst STACK_DELIMITER = /\n\s+at /;\nconst
STACK_SOURCE_LOCATION = /([\s]+) \\.+\.+\.+\/;\n\nexport function stackToComponentSources(\n
stack: string, \n): Array<[string, ?Stack]> {\n  const out: Array<[string, ?Stack]> = [];\n  stack\n
.split(STACK_DELIMITER)\n  .slice(1)\n  .forEach(entry => {\n    const match =
STACK_SOURCE_LOCATION.exec(entry);\n    if (match) {\n      const [, component, url, row, column] =
match;\n      out.push([component, [url, parseInt(row, 10), parseInt(column, 10)]]);\n    } else {\n
out.push([entry, null]);\n    }\n  });\n  return out;\n}\n\n"/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n
*\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this
source tree.\n * \n * @flow\n */\n\nimport { PROFILER_EXPORT_VERSION } from 'react-devtools-shared/src/constants';\n
import { separateDisplayNameAndHOCs } from 'react-devtools-shared/src/utils';\n\nimport type { ProfilingDataBackend }
from 'react-devtools-shared/src/backend/types';\nimport type {\n  ProfilingDataExport,\n  ProfilingDataForRootExport,\n
ProfilingDataForRootFrontend,\n  ProfilingDataFrontend,\n  SnapshotNode,\n} from './types';\nimport type {\n  TimelineData,\n
TimelineDataExport,\n} from 'react-devtools-timeline/src/types';\n\nconst commitGradient = [\n  'var(--color-commit-gradient-0)',\n
'var(--color-commit-gradient-1)',\n  'var(--color-commit-gradient-2)',\n  'var(--color-commit-gradient-3)',\n
'var(--color-commit-gradient-4)',\n  'var(--color-commit-gradient-5)',\n  'var(--color-commit-gradient-6)',\n
'var(--color-commit-gradient-7)',\n  'var(--color-commit-gradient-8)',\n  'var(--color-commit-gradient-9)'];\n\n// Combines info from the Store
(frontend) and renderer interfaces (backend) into the format required by the Profiler UI.\n// This format can then be
quickly exported (and re-imported).\nexport function prepareProfilingDataFrontendFromBackendAndStore(\n
dataBackends: Array<ProfilingDataBackend>,\n  operationsByRootID: Map<number, Array<Array<number>>>,\n
snapshotsByRootID: Map<number, Map<number, SnapshotNode>>,\n): ProfilingDataFrontend {\n  const

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dataForRoots: Map<number, ProfilingDataForRootFrontend> = new Map();\n\n const timelineDataArray = [];\n\n dataBackends.forEach(dataBackend => {\n  const {timelineData} = dataBackend;\n  if (timelineData !== null) {\n    const {\n      batchUIDToMeasuresKeyValueArray,\n      internalModuleSourceToRanges,\n      laneToLabelKeyValueArray,\n      laneToReactMeasureKeyValueArray,\n      ...rest\n    } = timelineData;\n\n    timelineDataArray.push({\n      ...rest,\n      // Most of the data is safe to parse as-is,\n      // but we need to convert the nested Arrays back to Maps.\n      batchUIDToMeasuresMap: new Map(batchUIDToMeasuresKeyValueArray),\n      internalModuleSourceToRanges: new Map(internalModuleSourceToRanges),\n      laneToLabelMap: new Map(laneToLabelKeyValueArray),\n      laneToReactMeasureMap: new Map(laneToReactMeasureKeyValueArray),\n    });\n  }\n\n  dataBackend.dataForRoots.forEach(({commitData, displayName, initialTreeBaseDurations, rootID}) => {\n    const operations = operationsByRootID.get(rootID);\n    if (operations === null) {\n      throw Error(\n        `Could not find profiling operations for root "${rootID}"`);\n    }\n\n    const snapshots = snapshotsByRootID.get(rootID);\n    if (snapshots === null) {\n      throw Error(\n        `Could not find profiling snapshots for root "${rootID}"`);\n    }\n\n    // Do not filter empty commits from the profiler data!\n    // Hiding "empty" commits might cause confusion too.\n    // A commit *did happen* even if none of the components the Profiler is showing were involved.\n    const convertedCommitData = commitData.map(\n      (commitDataBackend, commitIndex) => ({\n        changeDescriptions: commitDataBackend.changeDescriptions !== null\n          ? new Map(commitDataBackend.changeDescriptions)\n          : null,\n        duration: commitDataBackend.duration,\n        effectDuration: commitDataBackend.effectDuration,\n        fiberActualDurations: new Map(\n          commitDataBackend.fiberActualDurations,\n        ),\n        fiberSelfDurations: new Map(\n          commitDataBackend.fiberSelfDurations,\n        ),\n        passiveEffectDuration: commitDataBackend.passiveEffectDuration,\n        priorityLevel: commitDataBackend.priorityLevel,\n        timestamp: commitDataBackend.timestamp,\n        updaters: commitDataBackend.updaters !== null\n          ? commitDataBackend.updaters.map(serializedElement => {\n              const [\n                serializedElementDisplayName,\n                serializedElementHocDisplayNames,\n                separateDisplayNameAndHOCs(\n                  serializedElement.displayName,\n                  serializedElement.type,\n                ),\n              ] =\n                return {\n                  ...serializedElement,\n                  displayName: serializedElementDisplayName,\n                  hocDisplayNames: serializedElementHocDisplayNames,\n                };\n            });\n          : null,\n        },\n      ));\n\n    dataForRoots.set(rootID, {\n      commitData: convertedCommitData,\n      displayName,\n      initialTreeBaseDurations: new Map(initialTreeBaseDurations),\n      operations,\n      rootID,\n      snapshots,\n    });\n  });\n\n  return {dataForRoots, imported: false, timelineData: timelineDataArray};\n\n// Converts a Profiling data export into the format required by the Store.\nexport function prepareProfilingDataFrontendFromExport(\n  profilingDataExport: ProfilingDataExport,\n): ProfilingDataFrontend {\n  const {version} = profilingDataExport;\n\n  if (version !== PROFILER_EXPORT_VERSION) {\n    throw Error(\n      `Unsupported profile export version "${version}". Supported version is "${PROFILER_EXPORT_VERSION}"`);\n  }\n\n  const timelineData: Array<TimelineData> =\n    profilingDataExport.timelineData\n      ? profilingDataExport.timelineData.map(\n          ({\n            batchUIDToMeasuresKeyValueArray,\n            componentMeasures,\n            duration,\n            flamechart,\n            internalModuleSourceToRanges,\n            laneToLabelKeyValueArray,\n            laneToReactMeasureKeyValueArray,\n            nativeEvents,\n            networkMeasures,\n            otherUserTimingMarks,\n            reactVersion,\n            schedulingEvents,\n            snapshots,\n            snapshotHeight,\n            startTime,\n            suspenseEvents,\n            thrownErrors,\n          }) => ({\n            // Most of the data is safe to parse as-is,\n            // but we need to convert the nested Arrays back to Maps.\n            batchUIDToMeasuresMap: new Map(batchUIDToMeasuresKeyValueArray),\n            componentMeasures,\n            duration,\n            flamechart,\n            internalModuleSourceToRanges: new Map(internalModuleSourceToRanges),\n            laneToLabelMap: new Map(laneToLabelKeyValueArray),\n            laneToReactMeasureMap: new

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Map(laneToReactMeasureKeyValueArray),\n      nativeEvents,\n      networkMeasures,\n      otherUserTimingMarks,\n      reactVersion,\n      schedulingEvents,\n      snapshots,\n      snapshotHeight,\n      startTime,\n      suspenseEvents,\n      thrownErrors,\n      ),\n    )\n  : [];\n\n  const\n  dataForRoots: Map<number, ProfilingDataForRootFrontend> = new Map();\n\n  profilingDataExport.dataForRoots.forEach(\n    ({\n      commitData,\n      displayName,\n      initialTreeBaseDurations,\n      operations,\n      rootID,\n      snapshots,\n    }) => {\n      dataForRoots.set(rootID,\n        {\n          commitData: commitData.map(\n            ({\n              changeDescriptions,\n              duration,\n              effectDuration,\n              fiberActualDurations,\n              fiberSelfDurations,\n              passiveEffectDuration,\n              priorityLevel,\n              timestamp,\n              updaters,\n            }) => ({\n              changeDescriptions:\n                changeDescriptions !== null ? new Map(changeDescriptions) : null,\n              duration,\n              effectDuration,\n              fiberActualDurations: new Map(fiberActualDurations),\n              fiberSelfDurations: new\n                Map(fiberSelfDurations),\n              passiveEffectDuration,\n              priorityLevel,\n              timestamp,\n              updaters,\n            })),\n          displayName,\n          initialTreeBaseDurations: new\n            Map(initialTreeBaseDurations),\n          operations,\n          rootID,\n          snapshots: new Map(snapshots),\n        });\n    },\n  );\n\n  return {\n    dataForRoots,\n    imported: true,\n    timelineData,\n  };}\n\n// Converts a Store Profiling\n  data into a format that can be safely (JSON) serialized for export.\n  \nexport function prepareProfilingDataExport(\n  profilingDataFrontend: ProfilingDataFrontend,\n): ProfilingDataExport {\n  const timelineData:\n    Array<TimelineDataExport> =\n    profilingDataFrontend.timelineData.map(\n      ({\n        batchUIDToMeasuresMap,\n        componentMeasures,\n        duration,\n        flamechart,\n        internalModuleSourceToRanges,\n        laneToLabelMap,\n        laneToReactMeasureMap,\n        nativeEvents,\n        networkMeasures,\n        otherUserTimingMarks,\n        reactVersion,\n        schedulingEvents,\n        snapshots,\n        snapshotHeight,\n        startTime,\n        suspenseEvents,\n        thrownErrors,\n      }) => ({\n        // Most of the\n        data is safe to serialize as-is,\n        // but we need to convert the Maps to nested Arrays.\n        batchUIDToMeasuresKeyValueArray: Array.from(\n          batchUIDToMeasuresMap.entries(),\n        ),\n        componentMeasures: componentMeasures,\n        duration,\n        flamechart,\n        internalModuleSourceToRanges: Array.from(\n          internalModuleSourceToRanges.entries(),\n        ),\n        laneToLabelKeyValueArray: Array.from(laneToLabelMap.entries()),\n        laneToReactMeasureKeyValueArray:\n          Array.from(\n            laneToReactMeasureMap.entries(),\n          ),\n        nativeEvents,\n        networkMeasures,\n        otherUserTimingMarks,\n        reactVersion,\n        schedulingEvents,\n        snapshots,\n        snapshotHeight,\n        startTime,\n        suspenseEvents,\n        thrownErrors,\n      })),\n    );\n\n  const dataForRoots:\n    Array<ProfilingDataForRootExport> = [];\n\n  profilingDataFrontend.dataForRoots.forEach(\n    ({\n      commitData,\n      displayName,\n      initialTreeBaseDurations,\n      operations,\n      rootID,\n      snapshots,\n    })\n    => {\n      dataForRoots.push({\n        commitData: commitData.map(\n          ({\n            changeDescriptions,\n            duration,\n            effectDuration,\n            fiberActualDurations,\n            fiberSelfDurations,\n            passiveEffectDuration,\n            priorityLevel,\n            timestamp,\n            updaters,\n          }) => ({\n            changeDescriptions:\n              changeDescriptions !== null\n                ? Array.from(changeDescriptions.entries())\n                : null,\n            duration,\n            effectDuration,\n            fiberActualDurations:\n              Array.from(fiberActualDurations.entries()),\n            fiberSelfDurations: Array.from(fiberSelfDurations.entries()),\n            passiveEffectDuration,\n            priorityLevel,\n            timestamp,\n            updaters,\n          })),\n        displayName,\n        initialTreeBaseDurations: Array.from(\n          initialTreeBaseDurations.entries(),\n        ),\n        operations,\n        rootID,\n        snapshots: Array.from(snapshots.entries()),\n      });\n    },\n  );\n\n  return {\n    version: PROFILER_EXPORT_VERSION,\n    dataForRoots,\n    timelineData,\n  };}\n\nexport const\n  getGradientColor = (value: number): string => {\n    const maxIndex = commitGradient.length - 1;\n    let index;\n    if (Number.isNaN(value)) {\n      index = 0;\n    } else if (!Number.isFinite(value)) {\n      index = maxIndex;\n    } else {\n      index = Math.max(0, Math.min(maxIndex, value)) * maxIndex;\n    }\n    return\n      commitGradient[Math.round(index)];\n  };\n\nexport const\n  formatDuration = (duration: number): number | string\n  => Math.round(duration * 10) / 10 || '<0.1';\n\nexport const\n  formatPercentage = (percentage: number): number =>\n  Math.round(percentage * 100);\n\nexport const\n  formatTime = (timestamp: number): number =>

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Math.round(Math.round(timestamp) / 100) / 10;\n\nexport const scale =\n (\n  minValue: number,\n  maxValue: number,\n  minRange: number,\n  maxRange: number,\n  ): ((value: number, fallbackValue: number) => number) =>\n (value: number, fallbackValue: number) =>\n  maxValue - minValue === 0\n    ? fallbackValue\n    : ((value - minValue) / (maxValue - minRange)) * (maxRange - minRange);\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport {\n  __DEBUG__,\n  TREE_OPERATION_ADD,\n  TREE_OPERATION_REMOVE,\n  TREE_OPERATION_REMOVE_ROOT,\n  TREE_OPERATION_REORDER_CHILDREN,\n  TREE_OPERATION_SET_SUBTREE_MODE,\n  TREE_OPERATION_UPDATE_TREE_BASE_DURATION,\n  TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS,\n} from 'react-devtools-shared/src/constants';\nimport {utfDecodeString} from 'react-devtools-shared/src/utis';\nimport {ElementTypeRoot} from 'react-devtools-shared/src/types';\nimport ProfilerStore from 'react-devtools-shared/src/devtools/ProfilerStore';\nimport type {ElementType} from 'react-devtools-shared/src/types';\nimport type {\n  CommitTree,\n  CommitTreeNode,\n  ProfilingDataForRootFrontend,\n} from 'react-devtools-shared/src/devtools/views/Profiler/types';\n\nconst debug = (methodName: string, ...args: Array<string>) => {\n  if (__DEBUG__) {\n    console.log(\n      `%cCommitTreeBuilder %c${methodName}`,\n      'color: pink; font-weight: bold;',\n      'font-weight: bold;',\n      ...args,\n    );\n  }\n};\n\nconst rootToCommitTreeMap: Map<number, Array<CommitTree>> = new Map();\n\nexport function getCommitTree({\n  commitIndex,\n  profilerStore,\n  rootID,\n}: {\n  commitIndex: number,\n  profilerStore: ProfilerStore,\n  rootID: number,\n}): CommitTree {\n  if (!rootToCommitTreeMap.has(rootID)) {\n    rootToCommitTreeMap.set(rootID, []);\n  }\n\n  const commitTrees = ((rootToCommitTreeMap.get(\n    rootID,\n  ): any): Array<CommitTree>);\n  if (commitIndex < commitTrees.length) {\n    return commitTrees[commitIndex];\n  }\n\n  const {profilingData} = profilerStore;\n  if (profilingData === null) {\n    throw Error(`No profiling data available`);\n  }\n\n  const dataForRoot = profilingData.dataForRoots.get(rootID);\n  if (dataForRoot === null) {\n    throw Error(`Could not find profiling data for root "${rootID}"`);\n  }\n\n  const {operations} = dataForRoot;\n  if (operations.length <= commitIndex) {\n    throw Error(\n      `getCommitTree(): Invalid commit "${commitIndex}" for root "${rootID}". There are only "${operations.length}" commits.`,\n    );\n  }\n\n  let commitTree: CommitTree = (null: any): CommitTree;\n  for (let index = commitTrees.length; index <= commitIndex; index++) {\n    // Commits are generated sequentially and cached.\n    // If this is the very first commit, start with the cached snapshot and apply the first mutation.\n    // Otherwise load (or generate) the previous commit and append a mutation to it.\n    if (index === 0) {\n      const nodes = new Map<number, CommitTreeNode>();\n      // Construct the initial tree.\n      recursivelyInitializeTree(rootID, 0, nodes, dataForRoot);\n      // Mutate the tree\n      if (operations != null && index < operations.length) {\n        commitTree = updateTree({nodes, rootID}, operations[index]);\n      }\n      if (__DEBUG__) {\n        __printTree(commitTree);\n      }\n      commitTrees.push(commitTree);\n    } else {\n      const previousCommitTree = commitTrees[index - 1];\n      commitTree = updateTree(previousCommitTree, operations[index]);\n      if (__DEBUG__) {\n        __printTree(commitTree);\n      }\n      commitTrees.push(commitTree);\n    }\n  }\n\n  return commitTree;\n}\n\nfunction recursivelyInitializeTree(\n  id: number,\n  parentID: number,\n  nodes: Map<number, CommitTreeNode>,\n  dataForRoot: ProfilingDataForRootFrontend,\n): void {\n  const node = dataForRoot.snapshots.get(id);\n  if (node != null) {\n    nodes.set(id, {\n      id,\n      children: node.children,\n      displayName: node.displayName,\n      hocDisplayNames: node.hocDisplayNames,\n      key: node.key,\n      parentID,\n      treeBaseDuration: ((dataForRoot.initialTreeBaseDurations.get(\n        id,\n      ): any): number),\n      type: node.type,\n    });\n\n    node.children.forEach(childID =>\n      recursivelyInitializeTree(childID, id, nodes, dataForRoot),\n    );\n  }\n}\n\nfunction updateTree(\n  commitTree: CommitTree,\n  operations: Array<number>,\n): CommitTree {\n  // Clone the original tree so edits don't affect it.\n  const nodes = new Map(commitTree.nodes);\n  // Clone nodes before mutating them so edits don't affect them.\n  const getClonedNode = (id: number): CommitTreeNode => {\n    // $FlowFixMe[prop-missing] - recommended fix is to use object spread operator\n    const clonedNode = ((Object.assign(\n      {},\n      nodes.get(id),\n    ): any): CommitTreeNode);\n    nodes.set(id, clonedNode);\n  }\n}

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return clonedNode;\n };\n\n let i = 2;\n let id: number = ((null: any): number);\n\n // Reassemble the string table.\n\n const stringTable: Array<null | string> = [\n  null, // ID = 0 corresponds to the null string.\n ];\n\n const\n\n stringTableSize = operations[i++];\n\n const stringTableEnd = i + stringTableSize;\n\n while (i < stringTableEnd) {\n\n const nextLength = operations[i++];\n\n const nextString = utfDecodeString(\n  (operations.slice(i, i +\n\n nextLength): any),\n );\n\n stringTable.push(nextString);\n\n i += nextLength;\n }\n\n while (i <\n\n operations.length) {\n\n const operation = operations[i];\n\n switch (operation) {\n\n case\n\n TREE_OPERATION_ADD: {\n\n id = ((operations[i + 1]: any): number);\n\n const type = ((operations[i + 2]:\n\n any): ElementType);\n\n i += 3;\n\n if (nodes.has(id)) {\n\n throw new Error(\n\n `Commit tree\n\n already contains fiber "${id}". This is a bug in React DevTools.`,\n );\n }\n\n if (type ===\n\n ElementTypeRoot) {\n\n i++; // isStrictModeCompliant\n\n i++; // Profiling flag\n\n i++; //\n\n supportsStrictMode flag\n\n i++; // hasOwnerMetadata flag\n\n if (__DEBUG__) {\n\n debug('Add',\n\n `new root fiber ${id}`);\n }\n\n const node: CommitTreeNode = {\n\n children: [],\n\n displayName: null,\n\n hocDisplayNames: null,\n\n id,\n\n key: null,\n\n parentID: 0,\n\n treeBaseDuration: 0, // This will be updated by a subsequent operation\n\n type,\n\n };\n\n nodes.set(id, node);\n\n } else {\n\n const parentID = ((operations[i]: any): number);\n\n i++;\n\n i++; // ownerID\n\n const displayNameStringID = operations[i];\n\n const displayName =\n\n stringTable[displayNameStringID];\n\n i++;\n\n const keyStringID = operations[i];\n\n const key =\n\n stringTable[keyStringID];\n\n i++;\n\n if (__DEBUG__) {\n\n debug(\n\n 'Add',\n\n `fiber ${id} (${displayName || 'null'}) as child of ${parentID}`,\n );\n }\n\n const parentNode =\n\n getClonedNode(parentID);\n\n parentNode.children = parentNode.children.concat(id);\n\n const node:\n\n CommitTreeNode = {\n\n children: [],\n\n displayName,\n\n hocDisplayNames: null,\n\n id,\n\n key,\n\n parentID,\n\n treeBaseDuration: 0, // This will be updated by a subsequent operation\n\n type,\n\n };\n\n nodes.set(id, node);\n\n }\n\n break;\n }\n\n case\n\n TREE_OPERATION_REMOVE: {\n\n const removeLength = ((operations[i + 1]: any): number);\n\n i +=\n\n 2;\n\n for (let removeIndex = 0; removeIndex < removeLength; removeIndex++) {\n\n id = ((operations[i]:\n\n any): number);\n\n i++;\n\n if (!nodes.has(id)) {\n\n throw new Error(\n\n `Commit tree does\n\n not contain fiber "${id}". This is a bug in React DevTools.`,\n );\n }\n\n const node =\n\n getClonedNode(id);\n\n const parentID = node.parentID;\n\n nodes.delete(id);\n\n if\n\n (!nodes.has(parentID)) {\n\n // No-op\n\n } else {\n\n const parentNode =\n\n getClonedNode(parentID);\n\n if (__DEBUG__) {\n\n debug('Remove', `fiber ${id} from parent\n\n ${parentID}`);\n }\n\n parentNode.children = parentNode.children.filter(\n\n childID => childID\n\n !== id,\n );\n }\n\n }\n\n break;\n }\n\n case TREE_OPERATION_REMOVE_ROOT: {\n\n throw Error('Operation REMOVE_ROOT is not supported while profiling.);\n }\n\n case\n\n TREE_OPERATION_REORDER_CHILDREN: {\n\n id = ((operations[i + 1]: any): number);\n\n const\n\n numChildren = ((operations[i + 2]: any): number);\n\n const children = ((operations.slice(\n\n i + 3,\n\n i +\n\n 3 + numChildren,\n\n ): any): Array<number>);\n\n i = i + 3 + numChildren;\n\n if (__DEBUG__) {\n\n debug('Re-order', `fiber ${id} children ${children.join(',')}`);\n }\n\n const node = getClonedNode(id);\n\n node.children = Array.from(children);\n\n break;\n }\n\n case\n\n TREE_OPERATION_SET_SUBTREE_MODE: {\n\n id = operations[i + 1];\n\n const mode = operations[i +\n\n 1];\n\n i += 3;\n\n if (__DEBUG__) {\n\n debug('Subtree mode', `Subtree with root ${id} set to mode\n\n ${mode}`);\n }\n\n break;\n }\n\n case TREE_OPERATION_UPDATE_TREE_BASE_DURATION:\n\n {\n\n id = operations[i + 1];\n\n const node = getClonedNode(id);\n\n node.treeBaseDuration = operations[i\n\n + 2] / 1000; // Convert microseconds back to milliseconds;\n\n if (__DEBUG__) {\n\n debug(\n\n 'Update',\n\n `fiber ${id} treeBaseDuration to ${node.treeBaseDuration}`,\n );\n }\n\n i += 3;\n\n break;\n }\n\n case TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS: {\n\n id = operations[i +\n\n 1];\n\n const numErrors = operations[i + 2];\n\n const numWarnings = operations[i + 3];\n\n i += 4;\n\n if (__DEBUG__) {\n\n debug(\n\n 'Warnings and Errors update',\n\n `fiber ${id} has ${numErrors}\n\n errors and ${numWarnings} warnings`,\n );\n }\n\n break;\n }\n\n default:\n\n throw

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Error(`Unsupported Bridge operation "${operation}`);
}
}
return { nodes, rootID:
commitTree.rootID, };
}
export function invalidateCommitTrees(): void {
rootToCommitTreeMap.clear();
}
// DEBUG
const __printTree = (commitTree: CommitTree) => {
if (__DEBUG__) {
const { nodes, rootID } = commitTree;
console.group('__printTree()');
const queue = [rootID, 0];
while (queue.length > 0) {
const id = queue.shift();
const depth = queue.shift();
const node = nodes.get(id);
if (node == null) {
throw Error(`Could not find node with id "${id}" in
commit tree`);
}
console.log(`  ${'.'.repeat(depth)}${node.id}:${node.displayName || ""} ${
node.key ? `key:"${node.key}" : ` : "" } (${node.treeBaseDuration}),
`);
node.children.forEach(childID => {
queue.push(childID, depth + 1);
});
}
console.groupEnd();
}
};
/**
 * Copyright (c) Meta Platforms, Inc. and affiliates.
 * This source code is licensed under the
MIT license found in the
 * LICENSE file in the root directory of this source tree.
 * @flow
 */
import { formatDuration } from './utils';
import ProfilerStore from 'react-devtools-
shared/src/devtools/ProfilerStore';
import type { CommitTree } from './types';
export type ChartNode = {
actualDuration: number,
didRender: boolean,
id: number,
label: string,
name: string,
offset: number,
selfDuration: number,
treeBaseDuration: number,
};
export type ChartData = {
baseDuration: number,
depth: number,
idToDepthMap: Map<number, number>,
maxSelfDuration: number,
renderPathNodes:
Set<number>,
rows: Array<Array<ChartNode>>,
};
const cachedChartData: Map<string, ChartData> = new
Map();
export function getChartData({
commitIndex,
commitTree,
profilerStore,
rootID,
}): {
commitIndex: number,
commitTree: CommitTree,
profilerStore: ProfilerStore,
rootID: number,
}:
ChartData {
const commitDatum = profilerStore.getCommitData(rootID, commitIndex);
const { fiberActualDurations, fiberSelfDurations } = commitDatum;
const { nodes } = commitTree;
const
chartDataKey = `${rootID}-${commitIndex}`;
if (cachedChartData.has(chartDataKey)) {
return
((cachedChartData.get(chartDataKey): any): ChartData);
}
const idToDepthMap: Map<number, number> =
new Map();
const renderPathNodes: Set<number> = new Set();
const rows: Array<Array<ChartNode>> =
[];
let maxDepth = 0;
let maxSelfDuration = 0;
// Generate flame graph structure using tree base
durations.
const walkTree = (
id: number,
rightOffset: number,
currentDepth: number,
): ChartNode
=> {
idToDepthMap.set(id, currentDepth);
const node = nodes.get(id);
if (node == null) {
throw
Error(`Could not find node with id "${id}" in commit tree`);
}
const { children, displayName,
hocDisplayNames, key, treeBaseDuration } =
node;
const actualDuration = fiberActualDurations.get(id) ||
0;
const selfDuration = fiberSelfDurations.get(id) || 0;
const didRender = fiberActualDurations.has(id);
const name = displayName || 'Anonymous';
const maybeKey = key !== null ? `key="${key}"` : "";
let
maybeBadge = "";
if (hocDisplayNames !== null && hocDisplayNames.length > 0) {
maybeBadge = `
(${hocDisplayNames[0]}`;
}
let label = `${name}${maybeBadge}${maybeKey}`;
if (didRender) {
label += ` (${formatDuration(selfDuration)}ms of
${formatDuration(actualDuration,
)}ms)`;
}
maxDepth = Math.max(maxDepth, currentDepth);
maxSelfDuration = Math.max(maxSelfDuration,
selfDuration);
const chartNode: ChartNode = {
actualDuration,
didRender,
id,
label,
name,
offset: rightOffset - treeBaseDuration,
selfDuration,
treeBaseDuration,
};
if
(currentDepth > rows.length) {
rows.push([chartNode]);
} else {
rows[currentDepth -
1].push(chartNode);
}
for (let i = children.length - 1; i >= 0; i--) {
const childID = children[i];
const childChartData: $FlowFixMe = walkTree(
childID,
rightOffset,
currentDepth + 1,
);
rightOffset -= childChartData.treeBaseDuration;
}
return chartNode;
};
let baseDuration = 0;
// Special case to handle unmounted roots.
if (nodes.size > 0) {
// Skip over the root; we don't want to show it
in the flamegraph.
const root = nodes.get(rootID);
if (root == null) {
throw
Error(`Could not find
root node with id "${rootID}" in commit tree`,
);
}
// Don't assume a single root.
// Component
filters or Fragments might lead to multiple "roots" in a flame graph.
for (let i = root.children.length - 1; i >= 0;
i--) {
const id = root.children[i];
const node = nodes.get(id);
if (node == null) {
throw
Error(`Could not find node with id "${id}" in commit tree`);
}
baseDuration +=
node.treeBaseDuration;
walkTree(id, baseDuration, 1);
}
fiberActualDurations.forEach((duration, id)

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=> {\n    let node = nodes.get(id);\n    if (node !== null) {\n        let currentID = node.parentID;\n        while\n        (currentID !== 0) {\n            if (renderPathNodes.has(currentID)) {\n                // We've already walked this path; we can\n                skip it.\n                break;\n            } else {\n                renderPathNodes.add(currentID);\n            }\n            node =\n            nodes.get(currentID);\n            currentID = node !== null ? node.parentID : 0;\n        }\n    }\n}\n\nconst\nchartData = {\n    baseDuration,\n    depth: maxDepth,\n    idToDepthMap,\n    maxSelfDuration,\n    renderPathNodes,\n    rows,\n};\n\ncachedChartData.set(chartDataKey, chartData);\n\nreturn\nchartData;\n}\n\n\nexport function invalidateChartData(): void {\n    cachedChartData.clear();\n}\n\n"/**\n * Copyright\n (c) Meta Platforms, Inc. and affiliates.\n */\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n * @flow\n */\n\nimport {\n    ElementTypeForwardRef,\n    ElementTypeMemo,\n} from 'react-devtools-shared/src/types';\n\nimport {\n    formatDuration\n} from './utils';\n\nimport ProfilerStore from 'react-devtools-\nshared/src/devtools/ProfilerStore';\n\nimport type {CommitTree} from './types';\n\nexport type ChartNode = {\n    id:\n    number,\n    label: string,\n    name: string,\n    value: number,\n};\n\nexport type ChartData = {\n    maxV alue:\n    number,\n    nodes: Array<ChartNode>,\n};\n\nconst cachedChartData: Map<string, ChartData> = new\nMap();\n\nexport function getChartData({\n    commitIndex,\n    commitTree,\n    profilerStore,\n    rootID,\n}: {\n    commitIndex: number,\n    commitTree: CommitTree,\n    profilerStore: ProfilerStore,\n    rootID: number,\n}): \nChartData {\n    const commitDatum = profilerStore.getCommitData(rootID, commitIndex);\n\n    const\n    {fiberActualDurations, fiberSelfDurations} = commitDatum;\n    const {nodes} = commitTree;\n\n    const\n    chartDataKey = `${rootID}-${commitIndex}`;\n    if (cachedChartData.has(chartDataKey)) {\n        return\n        ((cachedChartData.get(chartDataKey): any): ChartData);\n    }\n\n    let maxSelfDuration = 0;\n\n    const chartNodes:\n    Array<ChartNode> = [];\n    fiberActualDurations.forEach((actualDuration, id) => {\n        const node =\n        nodes.get(id);\n\n        if (node === null) {\n            throw Error(`Could not find node with id \"${id}\" in commit tree`);\n        }\n\n        const {displayName, key, parentID, type} = node;\n\n        // Don't show the root node in this chart.\n        if\n        (parentID === 0) {\n            return;\n        }\n\n        const selfDuration = fiberSelfDurations.get(id) || 0;\n        maxSelfDuration =\n        Math.max(maxSelfDuration, selfDuration);\n\n        const name = displayName || 'Anonymous';\n        const maybeKey =\n        key !== null ? `key=${key}` : '';\n\n        let maybeBadge = '';\n        if (type === ElementTypeForwardRef) {\n            maybeBadge = '(ForwardRef)';\n        } else if (type === ElementTypeMemo) {\n            maybeBadge = '(Memo)';\n        }\n\n        const label = `${name}${maybeBadge}${maybeKey} (${formatDuration(\n            selfDuration,\n            )ms)}`;\n\n        chartNodes.push({\n            id,\n            label,\n            name,\n            value: selfDuration,\n        });\n    });\n\n    const chartData = {\n        maxV alue: maxSelfDuration,\n        nodes: chartNodes.sort((a, b) => b.value - a.value),\n    };\n\n    cachedChartData.set(chartDataKey, chartData);\n\n    return chartData;\n}\n\n\nexport function invalidateChartData():\nvoid {\n    cachedChartData.clear();\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n */\n * This\n source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source\n tree.\n */\n * @flow\n */\n\nimport ProfilerStore from './ProfilerStore';\n\nimport {\n    getCommitTree,\n    invalidateCommitTrees,\n} from 'react-devtools-shared/src/devtools/views/Profiler/CommitTreeBuilder';\n\nimport {\n    getChartData as getFlamegraphChartData,\n    invalidateChartData as invalidateFlamegraphChartData,\n} from 'react-devtools-shared/src/devtools/views/Profiler/FlamegraphChartBuilder';\n\nimport {\n    getChartData as\n    getRankedChartData,\n    invalidateChartData as\n    invalidateRankedChartData,\n} from 'react-devtools-\nshared/src/devtools/views/Profiler/RankedChartBuilder';\n\nimport type {CommitTree} from 'react-devtools-\nshared/src/devtools/views/Profiler/types';\n\nimport type {ChartData as FlamegraphChartData} from 'react-devtools-\nshared/src/devtools/views/Profiler/FlamegraphChartBuilder';\n\nimport type {ChartData as RankedChartData} from\n'react-devtools-shared/src/devtools/views/Profiler/RankedChartBuilder';\n\nexport default class ProfilingCache {\n    _fiberCommits: Map<number, Array<number>> = new Map();\n    _profilerStore: ProfilerStore;\n\n    constructor(profilerStore: ProfilerStore) {\n        this._profilerStore = profilerStore;\n    }\n\n    getCommitTree: ({\n        commitIndex: number,\n        rootID: number,\n    }) => CommitTree = ({commitIndex, rootID}) =>\n    getCommitTree({\n        commitIndex,\n        profilerStore: this._profilerStore,\n        rootID,\n    });\n\n    getFiberCommits: ({\n        fiberID: number,\n        rootID: number,\n    }) => Array<number> = ({fiberID, rootID}) =>\n    {\n        const cachedFiberCommits = this._fiberCommits.get(fiberID);\n        if (cachedFiberCommits !== null) {\n

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return cachedFiberCommits;\n  }\n\n  const fiberCommits = [];\n  const dataForRoot =
this._profilerStore.getDataForRoot(rootID);\n  dataForRoot.commitData.forEach((commitDatum, commitIndex)
=> {\n    if (commitDatum.fiberActualDurations.has(fiberID)) {\n      fiberCommits.push(commitIndex);\n    }\n  });\n\n  this._fiberCommits.set(fiberID, fiberCommits);\n\n  return fiberCommits;\n  };\n\ngetFlamegraphChartData: ({\n  commitIndex: number,\n  commitTree: CommitTree,\n  rootID: number,\n}) =>
FlamegraphChartData = ({\n  commitIndex, commitTree, rootID\n}) =>\n  getFlamegraphChartData({\n    commitIndex,\n    commitTree,\n    profilerStore: this._profilerStore,\n    rootID,\n  });\n\ngetRankedChartData: ({\n  commitIndex: number,\n  commitTree: CommitTree,\n  rootID: number,\n}) =>
RankedChartData = ({\n  commitIndex, commitTree, rootID\n}) =>\n  getRankedChartData({\n    commitIndex,\n    commitTree,\n    profilerStore: this._profilerStore,\n    rootID,\n  });\n\ninvalidate() {\n  this._fiberCommits.clear();\n  invalidateCommitTrees();\n  invalidateFlamegraphChartData();\n  invalidateRankedChartData();\n}\n}\n\n", /**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This
source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n * \n * @flow\n */\n\nimport EventEmitter from './events';\n\nimport
{prepareProfilingDataFrontendFromBackendAndStore} from './views/Profiler/utis';\n\nimport ProfilingCache from
 './ProfilingCache';\n\nimport Store from './store';\n\nimport type {FrontendBridge} from 'react-devtools-
shared/src/bridge';\n\nimport type {ProfilingDataBackend} from 'react-devtools-shared/src/backend/types';\n\nimport
type {\n  CommitDataFrontend,\n  ProfilingDataForRootFrontend,\n  ProfilingDataFrontend,\n  SnapshotNode,\n}
from './views/Profiler/types';\n\nexport default class ProfilerStore extends EventEmitter<{\n  isProcessingData: [],\n
isProfiling: [],\n  profilingData: [],\n}> {\n  _bridge: FrontendBridge;\n\n  // Suspense cache for lazily calculating
derived profiling data.\n  _cache: ProfilingCache;\n\n  // Temporary store of profiling data from the backend
renderer(s).\n  // This data will be converted to the ProfilingDataFrontend format after being collected from all
renderers.\n  _dataBackends: Array<ProfilingDataBackend> = [];\n\n  // Data from the most recently completed
profiling session,\n  // or data that has been imported from a previously exported session.\n  // This object contains
all necessary data to drive the Profiler UI interface,\n  // even though some of it is lazily parsed/derived via the
ProfilingCache.\n  _dataFrontend: ProfilingDataFrontend | null = null;\n\n  // Snapshot of all attached renderer
IDs.\n  // Once profiling is finished, this snapshot will be used to query renderers for profiling data.\n  // \n\n  // This
map is initialized when profiling starts and updated when a new root is added while profiling;\n  // Upon completion,
it is converted into the exportable ProfilingDataFrontend format.\n  _initialRendererIDs: Set<number> = new
Set();\n\n  // Snapshot of the state of the main Store (including all roots) when profiling started.\n  // Once profiling
is finished, this snapshot can be used along with "operations" messages emitted during profiling,\n  // to reconstruct
the state of each root for each commit.\n  // It's okay to use a single root to store this information because node IDs
are unique across all roots.\n  // \n\n  // This map is initialized when profiling starts and updated when a new root is
added while profiling;\n  // Upon completion, it is converted into the exportable ProfilingDataFrontend format.\n
_initialSnapshotsByRootID: Map<number, Map<number, SnapshotNode>> = new Map();\n\n  // Map of root (id) to
a list of tree mutation that occur during profiling.\n  // Once profiling is finished, these mutations can be used, along
with the initial tree snapshots,\n  // to reconstruct the state of each root for each commit.\n  // \n\n  // This map is only
updated while profiling is in progress;\n  // Upon completion, it is converted into the exportable
ProfilingDataFrontend format.\n  _inProgressOperationsByRootID: Map<number, Array<Array<number>>> = new
Map();\n\n  // The backend is currently profiling.\n  // When profiling is in progress, operations are stored so that we
can later reconstruct past commit trees.\n  _isProfiling: boolean = false;\n\n  // Tracks whether a specific renderer
logged any profiling data during the most recent session.\n  _rendererIDsThatReportedProfilingData: Set<number>
= new Set();\n\n  // After profiling, data is requested from each attached renderer using this queue.\n  // So long as
this queue is not empty, the store is retrieving and processing profiling data from the backend.\n  _rendererQueue:
Set<number> = new Set();\n\n  _store: Store;\n\n  constructor(\n    bridge: FrontendBridge,\n    store: Store,\n
defaultIsProfiling: boolean,\n  ) {\n    super();\n\n    this._bridge = bridge;\n    this._isProfiling =
defaultIsProfiling;\n    this._store = store;\n\n    bridge.addListener('operations', this.onBridgeOperations);\n
    bridge.addListener('profilingData', this.onBridgeProfilingData);\n    bridge.addListener('profilingStatus',

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this.onProfilingStatus);\n  bridge.addListener('shutdown', this.onBridgeShutdown);\n\n  // It's possible that
  profiling has already started (e.g. \"reload and start profiling\")\n  // so the frontend needs to ask the backend for its
  status after mounting.\n  bridge.send('getProfilingStatus');\n\n  this._cache = new ProfilingCache(this);\n  }\n\n  getCommitData(rootID: number, commitIndex: number): CommitDataFrontend {\n    if (this._dataFrontend !==
    null) {\n      const dataForRoot = this._dataFrontend.dataForRoots.get(rootID);\n      if (dataForRoot !== null) {\n
      const commitDatum = dataForRoot.commitData[commitIndex];\n      if (commitDatum !== null) {\n        return
      commitDatum;\n      }\n    }\n    }\n\n    throw Error(`Could not find commit data for root \"${rootID}\" and
    commit \"${commitIndex}\"`);\n  }\n\n  getDataForRoot(rootID: number): ProfilingDataForRootFrontend {\n    if
    (this._dataFrontend !== null) {\n      const dataForRoot = this._dataFrontend.dataForRoots.get(rootID);\n      if
    (dataForRoot !== null) {\n        return dataForRoot;\n      }\n    }\n\n    throw Error(`Could not find commit data for
    root \"${rootID}\"`);\n  }\n\n  // Profiling data has been recorded for at least one root.\n  get didRecordCommits():
  boolean {\n    return (\n      this._dataFrontend !== null && this._dataFrontend.dataForRoots.size > 0\n    );\n  }\n\n  get
  isProcessingData(): boolean {\n    return this._rendererQueue.size > 0 || this._dataBackends.length > 0;\n  }\n\n  get
  isProfiling(): boolean {\n    return this._isProfiling;\n  }\n\n  get profilingCache(): ProfilingCache {\n    return
  this._cache;\n  }\n\n  get profilingData(): ProfilingDataFrontend | null {\n    return this._dataFrontend;\n  }\n\n  set
  profilingData(value: ProfilingDataFrontend | null): void {\n    if (this._isProfiling) {\n      console.warn(\n
      'Profiling data cannot be updated while profiling is in progress.'\n    );\n      return;\n    }\n\n    this._dataBackends.splice(0);\n    this._dataFrontend = value;\n    this._initialRendererIDs.clear();\n
    this._initialSnapshotsByRootID.clear();\n    this._inProgressOperationsByRootID.clear();\n\n    this._cache.invalidate();\n\n    this.emit('profilingData');\n  }\n\n  clear(): void {\n    this._dataBackends.splice(0);\n
    this._dataFrontend = null;\n    this._initialRendererIDs.clear();\n    this._initialSnapshotsByRootID.clear();\n
    this._inProgressOperationsByRootID.clear();\n    this._rendererQueue.clear();\n\n    // Invalidate suspense cache if
    profiling data is being (re-)recorded.\n    // Note that we clear now because any existing data is \"stale\".\n
    this._cache.invalidate();\n\n    this.emit('profilingData');\n  }\n\n  startProfiling(): void {\n
    this._bridge.send('startProfiling', this._store.recordChangeDescriptions);\n\n    // Don't actually update the local
    profiling boolean yet!\n    // Wait for onProfilingStatus() to confirm the status has changed.\n    // This ensures the
    frontend and backend are in sync wrt which commits were profiled.\n    // We do this to avoid mismatches on e.g.
    CommitTreeBuilder that would cause errors.\n  }\n\n  stopProfiling(): void {\n
    this._bridge.send('stopProfiling');\n\n    // Don't actually update the local profiling boolean yet!\n    // Wait for
    onProfilingStatus() to confirm the status has changed.\n    // This ensures the frontend and backend are in sync wrt
    which commits were profiled.\n    // We do this to avoid mismatches on e.g. CommitTreeBuilder that would cause
    errors.\n  }\n\n  _takeProfilingSnapshotRecursive: (\n    elementID: number,\n    profilingSnapshots: Map<number,
    SnapshotNode>,\n  ) => void = (elementID, profilingSnapshots) => {\n    const element =
    this._store.getElementByID(elementID);\n    if (element !== null) {\n      const snapshotNode: SnapshotNode = {\n
      id: elementID,\n      children: element.children.slice(0),\n      displayName: element.displayName,\n
      hocDisplayNames: element.hocDisplayNames,\n      key: element.key,\n      type: element.type,\n    };\n
    profilingSnapshots.set(elementID, snapshotNode);\n\n    element.children.forEach(childID =>\n
    this._takeProfilingSnapshotRecursive(childID, profilingSnapshots),\n    );\n  }\n  }\n\n  onBridgeOperations:
  (operations: Array<number>) => void = operations => {\n    // The first two values are always rendererID and
    rootID\n    const rendererID = operations[0];\n    const rootID = operations[1];\n\n    if (this._isProfiling) {\n      let
    profilingOperations = this._inProgressOperationsByRootID.get(rootID);\n      if (profilingOperations === null) {\n
      profilingOperations = [operations];\n      this._inProgressOperationsByRootID.set(rootID, profilingOperations);\n
    } else {\n      profilingOperations.push(operations);\n    }\n\n    if (!this._initialRendererIDs.has(rendererID))
    {\n      this._initialRendererIDs.add(rendererID);\n    }\n\n    if (!this._initialSnapshotsByRootID.has(rootID)) {\n
    this._initialSnapshotsByRootID.set(rootID, new Map());\n    }\n\n    this._rendererIDsThatReportedProfilingData.add(rendererID);\n  }\n  }\n\n  onBridgeProfilingData: (dataBackend:
  ProfilingDataBackend) => void =\n    dataBackend => {\n      if (this._isProfiling) {\n        // This should never
        happen, but if it does- ignore previous profiling data.\n        return;\n      }\n\n      const {rendererID} =

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dataBackend;\n\n  if (!this._rendererQueue.has(rendererID)) {\n    throw Error(\n      `Unexpected profiling
data update from renderer \`${rendererID}\`,\n    );\n  }\n\n  this._dataBackends.push(dataBackend);\n  this._rendererQueue.delete(rendererID);\n\n  if (this._rendererQueue.size === 0) {\n    this._dataFrontend =
prepareProfilingDataFrontendFromBackendAndStore(\n      this._dataBackends,\n      this._inProgressOperationsByRootID,\n      this._initialSnapshotsByRootID,\n    );\n\n    this._dataBackends.splice(0);\n\n    this.emit('isProcessingData');\n  }\n};\n\nonBridgeShutdown: () => void
= () => {\n  this._bridge.removeListener('operations', this.onBridgeOperations);\n  this._bridge.removeListener('profilingData', this.onBridgeProfilingData);\n  this._bridge.removeListener('profilingStatus', this.onProfilingStatus);\n  this._bridge.removeListener('shutdown',
this.onBridgeShutdown);\n};\n\nonProfilingStatus: (isProfiling: boolean) => void = isProfiling => {\n  if
(isProfiling) {\n    this._dataBackends.splice(0);\n    this._dataFrontend = null;\n    this._initialRendererIDs.clear();\n    this._initialSnapshotsByRootID.clear();\n    this._inProgressOperationsByRootID.clear();\n    this._rendererIDsThatReportedProfilingData.clear();\n    this._rendererQueue.clear();\n\n    // Record all renderer IDs initially too (in case of unmount)\n    // eslint-disable-
next-line no-for-of-loops/no-for-of-loops\n    for (const rendererID of this._store.rootIDToRendererID.values()) {\n
      if (!this._initialRendererIDs.has(rendererID)) {\n        this._initialRendererIDs.add(rendererID);\n      }\n    }\n\n    // Record snapshot of tree at the time profiling is started.\n    // This info is required to handle cases of e.g.
nodes being removed during profiling.\n    this._store.roots.forEach(rootID => {\n      const profilingSnapshots =
new Map<number, SnapshotNode>();\n      this._initialSnapshotsByRootID.set(rootID, profilingSnapshots);\n      this._takeProfilingSnapshotRecursive(rootID, profilingSnapshots);\n    });\n  }\n\n  if (this._isProfiling !==
isProfiling) {\n    this._isProfiling = isProfiling;\n\n    // Invalidate suspense cache if profiling data is being (re-
)recorded.\n    // Note that we clear again, in case any views read from the cache while profiling.\n    // (That
would have resolved a now-stale value without any profiling data.)\n    this._cache.invalidate();\n\n    this.emit('isProfiling');\n\n    // If we've just finished a profiling session, we need to fetch data stored in each
renderer interface\n    // and re-assemble it on the front-end into a format (ProfilingDataFrontend) that can power
the Profiler UI.\n    // During this time, DevTools UI should probably not be interactive.\n    if (!isProfiling) {\n      this._dataBackends.splice(0);\n      this._rendererQueue.clear();\n\n      // Only request data from renderers that
actually logged it.\n      // This avoids unnecessary bridge requests and also avoids edge case mixed renderer
bugs.\n      // (e.g. when v15 and v16 are both present)\n      this._rendererIDsThatReportedProfilingData.forEach(rendererID => {\n        if
(!this._rendererQueue.has(rendererID)) {\n          this._rendererQueue.add(rendererID);\n\n          this._bridge.send('getProfilingData', {rendererID});\n        }\n      });\n\n      this.emit('isProcessingData');\n    }\n  }\n};\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nexport default class UnsupportedBridgeOperationError extends Error {\n  constructor(message: string) {\n    super(message);\n\n    // Maintains proper stack trace for where our error was thrown (only available on V8)\n    if
(Error.captureStackTrace) {\n      Error.captureStackTrace(this, UnsupportedBridgeOperationError);\n    }\n\n    this.name = 'UnsupportedBridgeOperationError';\n  }\n\n  "/**\n * Copyright (c) Meta Platforms, Inc. and
affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n * @flow\n */\n\nimport {copy} from 'clipboard-js';\nimport EventEmitter from
'./events';\nimport {inspect} from 'util';\nimport {\n  PROFILING_FLAG_BASIC_SUPPORT,\n  PROFILING_FLAG_TIMELINE_SUPPORT,\n  TREE_OPERATION_ADD,\n  TREE_OPERATION_REMOVE,\n  TREE_OPERATION_REMOVE_ROOT,\n  TREE_OPERATION_REORDER_CHILDREN,\n  TREE_OPERATION_SET_SUBTREE_MODE,\n  TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS,\n  TREE_OPERATION_UPDATE_TREE_BASE_DURATION,\n} from './constants';\nimport {ElementTypeRoot}
from './types';\nimport {\n  getSavedComponentFilters,\n  setSavedComponentFilters,\n  separateDisplayNameAndHOCs,\n  shallowDiffers,\n  utfDecodeString,\n} from './utils';\nimport

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{localStorage.getItem, localStorage.setItem} from './storage';\nimport {__DEBUG__} from './constants';\nimport
{printStore} from './utils';\nimport ProfilerStore from './ProfilerStore';\nimport {\n BRIDGE_PROTOCOL,\n
currentBridgeProtocol,\n} from 'react-devtools-shared/src/bridge';\nimport {StrictMode} from 'react-devtools-
shared/src/types';\n\nimport type {Element} from './views/Components/types';\nimport type {ComponentFilter,
ElementType} from './types';\nimport type {\n FrontendBridge,\n BridgeProtocol,\n} from 'react-devtools-
shared/src/bridge';\nimport UnsupportedBridgeOperationError from 'react-devtools-
shared/src/UnsupportedBridgeOperationError';\n\nconst debug = (methodName: string, ...args: Array<string>) =>
{\n if (__DEBUG__) {\n console.log(\n `%cStore %c${methodName}`, \n 'color: green; font-weight:
bold;', \n 'font-weight: bold;', \n ...args, \n );\n }\n};\n\nconst
LOCAL_STORAGE_COLLAPSE_ROOTS_BY_DEFAULT_KEY =\n
'React::DevTools::collapseNodesByDefault';\n\nconst
LOCAL_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY =\n
'React::DevTools::recordChangeDescriptions';\n\n\ntype ErrorAndWarningTuples = Array<{\n id: number, index:
number}>;\n\ntype Config = {\n checkBridgeProtocolCompatibility?: boolean,\n isProfiling?: boolean,\n
supportsNativeInspection?: boolean,\n supportsProfiling?: boolean,\n supportsReloadAndProfile?: boolean,\n
supportsTimeline?: boolean,\n supportsTraceUpdates?: boolean,\n};\n\nexport type Capabilities = {\n
supportsBasicProfiling: boolean,\n hasOwnerMetadata: boolean,\n supportsStrictMode: boolean,\n
supportsTimeline: boolean,\n};\n\n/**\n * The store is the single source of truth for updates from the backend.\n *
ContextProviders can subscribe to the Store for specific things they want to provide.\n */\n\nexport default class Store
extends EventEmitter<{\n backendVersion: [],\n collapseNodesByDefault: [],\n componentFilters: [],\n error:
[Error],\n mutated: [[Array<number>, Map<number, number>]],\n recordChangeDescriptions: [],\n roots: [],\n
rootSupportsBasicProfiling: [],\n rootSupportsTimelineProfiling: [],\n supportsNativeStyleEditor: [],\n
supportsReloadAndProfile: [],\n unsupportedBridgeProtocolDetected: [],\n unsupportedRendererVersionDetected:
[],\n}> {\n // If the backend version is new enough to report its (NPM) version, this is it.\n // This version may be
displayed by the frontend for debugging purposes.\n _backendVersion: string | null = null;\n\n _bridge:
FrontendBridge;\n\n // Computed whenever _errorsAndWarnings Map changes.\n _cachedErrorCount: number =
0;\n _cachedWarningCount: number = 0;\n _cachedErrorAndWarningTuples: ErrorAndWarningTuples | null =
null;\n\n // Should new nodes be collapsed by default when added to the tree?\n _collapseNodesByDefault: boolean
= true;\n\n _componentFilters: Array<ComponentFilter>;\n\n // Map of ID to number of recorded error and
warning message IDs.\n _errorsAndWarnings: Map<number, {errorCount: number, warningCount: number}> =\n
new Map();\n\n // At least one of the injected renderers contains (DEV only) owner metadata.\n
_hasOwnerMetadata: boolean = false;\n\n // Map of ID to (mutable) Element.\n // Elements are mutated to avoid
excessive cloning during tree updates.\n // The InspectedElement Suspense cache also relies on this mutability for
its WeakMap usage.\n _idToElement: Map<number, Element> = new Map();\n\n // Should the React Native style
editor panel be shown?\n _isNativeStyleEditorSupported: boolean = false;\n\n // Can the backend use the Storage
API (e.g. localStorage)?\n // If not, features like reload-and-profile will not work correctly and must be disabled.\n
_isBackendStorageAPISupported: boolean = false;\n\n // Can DevTools use sync XHR requests?\n // If not,
features like reload-and-profile will not work correctly and must be disabled.\n // This current limitation applies
only to web extension builds\n // and will need to be reconsidered in the future if we add support for reload to React
Native.\n _isSynchronousXHRSupported: boolean = false;\n\n _nativeStyleEditorValidAttributes:
$ReadOnlyArray<string> | null = null;\n\n // Older backends don't support an explicit bridge protocol,\n // so we
should timeout eventually and show a downgrade message.\n _onBridgeProtocolTimeoutID: TimeoutID | null =
null;\n\n // Map of element (id) to the set of elements (ids) it owns.\n // This map enables
getOwnersListForElement() to avoid traversing the entire tree.\n _ownersMap: Map<number, Set<number>> = new
Map();\n\n _profilerStore: ProfilerStore;\n\n _recordChangeDescriptions: boolean = false;\n\n // Incremented each
time the store is mutated.\n // This enables a passive effect to detect a mutation between render and commit phase.\n
_revision: number = 0;\n\n // This Array must be treated as immutable!\n // Passive effects will check it for changes
between render and mount.\n _roots: $ReadOnlyArray<number> = [];\n\n _rootIDToCapabilities: Map<number,

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Capabilities> = new Map();\n\n // Renderer ID is needed to support inspection fiber props, state, and hooks.\n\n_rootIDToRendererID: Map<number, number> = new Map();\n\n // These options may be initially set by a\n\nconfigration option when constructing the Store.\n\n _supportsNativeInspection: boolean = true;\n\n _supportsProfiling: boolean = false;\n\n _supportsReloadAndProfile: boolean = false;\n\n _supportsTimeline: boolean\n\n = false;\n\n _supportsTraceUpdates: boolean = false;\n\n\n // These options default to false but may be updated as roots\n\nare added and removed.\n\n _rootSupportsBasicProfiling: boolean = false;\n\n _rootSupportsTimelineProfiling:\n\nboolean = false;\n\n\n _bridgeProtocol: BridgeProtocol | null = null;\n\n _unsupportedBridgeProtocolDetected: boolean\n\n = false;\n\n _unsupportedRendererVersionDetected: boolean = false;\n\n\n // Total number of visible elements (within\n\nall roots).\n\n // Used for windowing purposes.\n\n _weightAcrossRoots: number = 0;\n\n\n constructor(bridge:\n\nFrontendBridge, config?: Config) {\n\n  super();\n\n  if (__DEBUG__) {\n\n    debug('constructor', 'subscribing to\n\nBridge');\n\n  }\n\n  this._collapseNodesByDefault =\n\nlocalStorage.getItem(LOCAL_STORAGE_COLLAPSE_ROOTS_BY_DEFAULT_KEY) ===\n\n  'true';\n\n  this._recordChangeDescriptions =\n\nlocalStorage.getItem(LOCAL_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY) ===\n\n  'true';\n\n  this._componentFilters = getSavedComponentFilters();\n\n  let isProfiling = false;\n\n  if (config != null) {\n\n    isProfiling = config.isProfiling === true;\n\n    const {\n\n      supportsNativeInspection,\n\n      supportsProfiling,\n\n      supportsReloadAndProfile,\n\n      supportsTimeline,\n\n      supportsTraceUpdates,\n\n    } = config;\n\n    this._supportsNativeInspection = supportsNativeInspection !== false;\n\n    if (supportsProfiling) {\n\n      this._supportsProfiling = true;\n\n    }\n\n    if (supportsReloadAndProfile) {\n\n      this._supportsReloadAndProfile =\n\ntrue;\n\n    }\n\n    if (supportsTimeline) {\n\n      this._supportsTimeline = true;\n\n    }\n\n    if (supportsTraceUpdates)\n\n{\n\n      this._supportsTraceUpdates = true;\n\n    }\n\n  }\n\n  this._bridge = bridge;\n\n  bridge.addListener('operations', this.onBridgeOperations);\n\n  bridge.addListener(\n\n'overrideComponentFilters',\n\n  this.onBridgeOverrideComponentFilters,\n\n  );\n\n  bridge.addListener('shutdown',\n\nthis.onBridgeShutdown);\n\n  bridge.addListener(\n\n  'isBackendStorageAPISupported',\n\n  this.onBackendStorageAPISupported,\n\n  );\n\n  bridge.addListener(\n\n  'isNativeStyleEditorSupported',\n\n  this.onBridgeNativeStyleEditorSupported,\n\n  );\n\n  bridge.addListener(\n\n  'isSynchronousXHRSupported',\n\n  this.onBridgeSynchronousXHRSupported,\n\n  );\n\n  bridge.addListener(\n\n  'unsupportedRendererVersion',\n\n  this.onBridgeUnsupportedRendererVersion,\n\n  );\n\n  this._profilerStore = new ProfilerStore(bridge, this,\n\nisProfiling);\n\n  // Verify that the frontend version is compatible with the connected backend.\n\n  // See\n\ngithub.com/facebook/react/issues/21326\n\n  if (config != null && config.checkBridgeProtocolCompatibility) {\n\n    // Older backends don't support an explicit bridge protocol,\n\n    // so we should timeout eventually and show a\n\n    downgrade message.\n\n    this._onBridgeProtocolTimeoutID = setTimeout(\n\n      this.onBridgeProtocolTimeout,\n\n      10000,\n\n    );\n\n    bridge.addListener('bridgeProtocol', this.onBridgeProtocol);\n\n    bridge.send('getBridgeProtocol');\n\n  }\n\n  bridge.addListener('backendVersion', this.onBridgeBackendVersion);\n\n  bridge.send('getBackendVersion');\n\n  bridge.addListener('saveToClipboard', this.onSaveToClipboard);\n\n}\n\n\n // This is only used in tests to avoid memory leaks.\n\n assertExpectedRootMapSizes() {\n\n  if (this.roots.length ===\n\n0) {\n\n    // The only safe time to assert these maps are empty is when the store is empty.\n\n    this.assertMapSizeMatchesRootCount(this._idToElement, '_idToElement');\n\n    this.assertMapSizeMatchesRootCount(this._ownersMap, '_ownersMap');\n\n  }\n\n  // These maps should always be\n\nthe same size as the number of roots\n\n  this.assertMapSizeMatchesRootCount(\n\n    this._rootIDToCapabilities,\n\n    '_rootIDToCapabilities',\n\n  );\n\n  this.assertMapSizeMatchesRootCount(\n\n    this._rootIDToRendererID,\n\n    '_rootIDToRendererID',\n\n  );\n\n}\n\n\n // This is only used in tests to avoid memory leaks.\n\n\n\n assertMapSizeMatchesRootCount(map: Map<any, any>, mapName: string) {\n\n  const expectedSize =\n\nthis.roots.length;\n\n  if (map.size !== expectedSize) {\n\n    this._throwAndEmitError(\n\n      Error(\n\n        `Expected ${mapName} to contain ${expectedSize} items, but it contains ${\n\n          map.size\n\n        }\n\n        items`\n\n      ),\n\n    );\n\n  }\n\n  get backendVersion():\n\nstring | null {\n\n    return this._backendVersion;\n\n  }\n\n  get collapseNodesByDefault(): boolean {\n\n    return\n\nthis._collapseNodesByDefault;\n\n  }\n\n  set collapseNodesByDefault(value: boolean): void {\n\n

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this._collapseNodesByDefault = value;\n  localStorageSetItem(\n
LOCAL_STORAGE_COLLAPSE_ROOTS_BY_DEFAULT_KEY,\n  value ? 'true' : 'false',\n );\n\n
this.emit('collapseNodesByDefault');\n }\n\n get componentFilters(): Array<ComponentFilter> {\n  return
this._componentFilters;\n }\n  set componentFilters(value: Array<ComponentFilter>): void {\n  if
(this._profilerStore.isProfiling) {\n    // Re-mounting a tree while profiling is in progress might break a lot of
assumptions.\n    // If necessary, we could support this- but it doesn't seem like a necessary use case.\n
this._throwAndEmitError(\n    Error('Cannot modify filter preferences while profiling'),\n    );\n  }\n\n  // Filter
updates are expensive to apply (since they impact the entire tree).\n  // Let's determine if they've changed and avoid
doing this work if they haven't.\n  const prevEnabledComponentFilters = this._componentFilters.filter(\n  filter
=> filter.isEnabled,\n );\n  const nextEnabledComponentFilters = value.filter(\n  filter => filter.isEnabled,\n
);\n  let haveEnabledFiltersChanged =\n  prevEnabledComponentFilters.length !==
nextEnabledComponentFilters.length;\n  if (!haveEnabledFiltersChanged) {\n    for (let i = 0; i <
nextEnabledComponentFilters.length; i++) {\n      const prevFilter = prevEnabledComponentFilters[i];\n      const
nextFilter = nextEnabledComponentFilters[i];\n      if (shallowDiffers(prevFilter, nextFilter)) {\n
haveEnabledFiltersChanged = true;\n      break;\n    }\n  }\n\n  this._componentFilters = value;\n\n  //
Update persisted filter preferences stored in localStorage.\n  setSavedComponentFilters(value);\n\n  // Notify the
renderer that filter preferences have changed.\n  // This is an expensive operation; it unmounts and remounts the
entire tree.\n  // so only do it if the set of enabled component filters has changed.\n  if
(haveEnabledFiltersChanged) {\n    this._bridge.send('updateComponentFilters', value);\n  }\n\n  this.emit('componentFilters');\n }\n\n  get bridgeProtocol(): BridgeProtocol | null {\n  return
this._bridgeProtocol;\n }\n\n  get errorCount(): number {\n  return this._cachedErrorCount;\n }\n\n  get
hasOwnerMetadata(): boolean {\n  return this._hasOwnerMetadata;\n }\n\n  get
nativeStyleEditorValidAttributes(): $ReadOnlyArray<string> | null {\n  return
this._nativeStyleEditorValidAttributes;\n }\n\n  get numElements(): number {\n  return
this._weightAcrossRoots;\n }\n\n  get profilerStore(): ProfilerStore {\n  return this._profilerStore;\n }\n\n  get
recordChangeDescriptions(): boolean {\n  return this._recordChangeDescriptions;\n }\n  set
recordChangeDescriptions(value: boolean): void {\n  this._recordChangeDescriptions = value;\n\n
localStorageSetItem(\n  LOCAL_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY,\n  value ? 'true' :
'false',\n );\n\n  this.emit('recordChangeDescriptions');\n }\n\n  get revision(): number {\n  return
this._revision;\n }\n\n  get rootIDToRendererID(): Map<number, number> {\n  return
this._rootIDToRendererID;\n }\n\n  get roots(): $ReadOnlyArray<number> {\n  return this._roots;\n }\n\n  // At
least one of the currently mounted roots support the Legacy profiler.\n  get rootSupportsBasicProfiling(): boolean
{\n  return this._rootSupportsBasicProfiling;\n }\n\n  // At least one of the currently mounted roots support the
Timeline profiler.\n  get rootSupportsTimelineProfiling(): boolean {\n  return
this._rootSupportsTimelineProfiling;\n }\n\n  get supportsNativeInspection(): boolean {\n  return
this._supportsNativeInspection;\n }\n\n  get supportsNativeStyleEditor(): boolean {\n  return
this._isNativeStyleEditorSupported;\n }\n\n  // This build of DevTools supports the legacy profiler.\n  // This is a
static flag, controlled by the Store config.\n  get supportsProfiling(): boolean {\n  return this._supportsProfiling;\n
}\n\n  get supportsReloadAndProfile(): boolean {\n  // Does the DevTools shell support reloading and eagerly
injecting the renderer interface?\n  // And if so, can the backend use the localStorage API and sync XHR?\n  // All
of these are currently required for the reload-and-profile feature to work.\n  return (\n
this._supportsReloadAndProfile &&\n  this._isBackendStorageAPISupported &&\n
this._isSynchronousXHRSupported\n );\n }\n\n  // This build of DevTools supports the Timeline profiler.\n  //
This is a static flag, controlled by the Store config.\n  get supportsTimeline(): boolean {\n  return
this._supportsTimeline;\n }\n\n  get supportsTraceUpdates(): boolean {\n  return this._supportsTraceUpdates;\n
}\n\n  get unsupportedBridgeProtocolDetected(): boolean {\n  return this._unsupportedBridgeProtocolDetected;\n
}\n\n  get unsupportedRendererVersionDetected(): boolean {\n  return
this._unsupportedRendererVersionDetected;\n }\n\n  get warningCount(): number {\n  return

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this._cachedWarningCount;\n }\n\n containsElement(id: number): boolean {\n  return this._idToElement.get(id)\n    !== null;\n }\n\n getElementAtIndex(index: number): Element | null {\n  if (index < 0 || index >=\n    this.numElements) {\n    console.warn(\n      `Invalid index ${index} specified; store contains\n      ${this.numElements} items.`,\n    );\n    return null;\n  }\n\n  // Find which root this element is in...\n  let\n    rootID;\n  let root;\n  let rootWeight = 0;\n  for (let i = 0; i < this._roots.length; i++) {\n    rootID =\n      this._roots[i];\n    root = ((this._idToElement.get(rootID): any): Element);\n    if (root.children.length === 0) {\n      continue;\n    } else if (rootWeight + root.weight > index) {\n      break;\n    } else {\n      rootWeight +=\n        root.weight;\n    }\n  }\n\n  // Find the element in the tree using the weight of each node...\n  // Skip over the\n  root itself, because roots aren't visible in the Elements tree.\n  let currentElement = ((root: any): Element);\n  let\n    currentWeight = rootWeight - 1;\n  while (index !== currentWeight) {\n    const numChildren =\n      currentElement.children.length;\n    for (let i = 0; i < numChildren; i++) {\n      const childID =\n        currentElement.children[i];\n      const child = ((this._idToElement.get(childID): any): Element);\n      const\n        childWeight = child.isCollapsed ? 1 : child.weight;\n      if (index <= currentWeight + childWeight) {\n        currentWeight++;\n        currentElement = child;\n        break;\n      } else {\n        currentWeight +=\n          childWeight;\n      }\n    }\n  }\n\n  return ((currentElement: any): Element) || null;\n }\n\n getElementIDAtIndex(index: number): number | null {\n  const element: Element | null =\n    this.getElementAtIndex(index);\n  return element === null ? null : element.id;\n }\n\n getElementByID(id:\n  number): Element | null {\n  const element = this._idToElement.get(id);\n  if (element == null) {\n    console.warn(`No element found with id \"${id}\"`);\n    return null;\n  }\n  return element;\n }\n\n // Returns\n  a tuple of [id, index]\n  getElementsWithErrorsAndWarnings(): Array<{id: number, index: number}> {\n  if\n    (this._cachedErrorAndWarningTuples !== null) {\n    return this._cachedErrorAndWarningTuples;\n  } else {\n    const errorAndWarningTuples: ErrorAndWarningTuples = [];\n    this._errorsAndWarnings.forEach((_, id) =>\n      {\n        const index = this.getIndexOfElementID(id);\n        if (index !== null) {\n          let low = 0;\n          let high\n            = errorAndWarningTuples.length;\n          while (low < high) {\n            const mid = (low + high) >> 1;\n            if\n              (errorAndWarningTuples[mid].index > index) {\n                high = mid;\n              } else {\n                low = mid + 1;\n              }\n            }\n            errorAndWarningTuples.splice(low, 0, {id, index});\n          }\n        });\n    // Cache for\n    later (at least until the tree changes again).\n    this._cachedErrorAndWarningTuples =\n      errorAndWarningTuples;\n  }\n  return errorAndWarningTuples;\n }\n\n getErrorAndWarningCountForElementID(id: number): {\n  errorCount: number,\n  warningCount: number,\n }\n {\n  return this._errorsAndWarnings.get(id) || {errorCount: 0, warningCount: 0};\n }\n\n getIndexOfElementID(id: number): number | null {\n  const element = this.getElementByID(id);\n  if (element\n    === null || element.parentID === 0) {\n    return null;\n  }\n  // Walk up the tree to the root.\n  // Increment\n  the index by one for each node we encounter,\n  // and by the weight of all nodes to the left of the current one.\n  // This should be a relatively fast way of determining the index of a node within the tree.\n  let previousID = id;\n  let currentID = element.parentID;\n  let index = 0;\n  while (true) {\n    const current =\n      ((this._idToElement.get(currentID): any): Element);\n    const {children} = current;\n    for (let i = 0; i <\n      children.length; i++) {\n      const childID = children[i];\n      if (childID === previousID) {\n        break;\n      }\n      const child = ((this._idToElement.get(childID): any): Element);\n      index += child.isCollapsed ? 1 :\n        child.weight;\n    }\n    if (current.parentID === 0) {\n      // We found the root; stop crawling.\n      break;\n    }\n    index++;\n    previousID = current.id;\n    currentID = current.parentID;\n  }\n  // At this point, the\n  current ID is a root (from the previous loop).\n  // We also need to offset the index by previous root weights.\n  for\n    (let i = 0; i < this._roots.length; i++) {\n      const rootID = this._roots[i];\n      if (rootID === currentID) {\n        break;\n      }\n      const root = ((this._idToElement.get(rootID): any): Element);\n      index += root.weight;\n    }\n  return index;\n }\n\n getOwnersListForElement(ownerID: number): Array<Element> {\n  const list:\n    Array<Element> = [];\n  const element = this._idToElement.get(ownerID);\n  if (element !== null) {\n    list.push({\n      ...element,\n      depth: 0,\n    });\n    const unsortedIDs = this._ownersMap.get(ownerID);\n    if (unsortedIDs !== undefined) {\n      const depthMap: Map<number, number> = new Map([[ownerID, 0]]);\n      // Items in a set are ordered based on insertion.\n      // This does not correlate with their order in the tree.\n      //

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So first we need to order them.\n    // I wish we could avoid this sorting operation; we could sort at insertion
time,\n    // but then we'd have to pay sorting costs even if the owners list was never used.\n    // Seems better to
defer the cost, since the set of ids is probably pretty small.\n    const sortedIDs = Array.from(unsortedIDs).sort(\n
    (idA, idB) =>\n        ((this.getIndexOfElementID(idA): any): number) -\n
((this.getIndexOfElementID(idB): any): number),\n    );\n\n    // Next we need to determine the appropriate
depth for each element in the list.\n    // The depth in the list may not correspond to the depth in the tree,\n    // because the list has been filtered to remove intermediate components.\n    // Perhaps the easiest way to do this is
to walk up the tree until we reach either:\n    // (1) another node that's already in the tree, or (2) the root (owner)\n    // at which point, our depth is just the depth of that node plus one.\n    sortedIDs.forEach(id => {\n        const
innerElement = this._idToElement.get(id);\n        if (innerElement !== null) {\n            let parentID =
innerElement.parentID;\n            let depth = 0;\n            while (parentID > 0) {\n                if (parentID ===
ownerID || unsortedIDs.has(parentID)) {\n                    // $FlowFixMe[unsafe-addition] addition with possible
null/undefined value\n                    depth = depthMap.get(parentID) + 1;\n                    depthMap.set(id, depth);\n
                    break;\n                }\n                const parent = this._idToElement.get(parentID);\n                if (parent == null) {\n
                    break;\n                }\n                parentID = parent.parentID;\n            }\n            if (depth === 0) {\n
                this._throwAndEmitError(Error('Invalid owners list'));\n            }\n            list.push({...innerElement, depth});\n
        }\n    });\n\n    return list;\n\n    getRendererIDForElement(id: number): number | null {\n        let
current = this._idToElement.get(id);\n        while (current !== null) {\n            if (current.parentID === 0) {\n                const
rendererID = this._rootIDToRendererID.get(current.id);\n                return rendererID == null ? null : rendererID;\n            }
else {\n                current = this._idToElement.get(current.parentID);\n            }\n        }\n        return null;\n    }\n\n    getRootIDForElement(id: number): number | null {\n        let current = this._idToElement.get(id);\n        while (current !==
null) {\n            if (current.parentID === 0) {\n                return current.id;\n            } else {\n                current =
this._idToElement.get(current.parentID);\n            }\n        }\n        return null;\n    }\n\n    isInsideCollapsedSubTree(id:
number): boolean {\n        let current = this._idToElement.get(id);\n        while (current !== null) {\n            if
(current.parentID === 0) {\n                return false;\n            } else {\n                current =
this._idToElement.get(current.parentID);\n                if (current !== null && current.isCollapsed) {\n                    return true;\n
                }\n            }\n        }\n        return false;\n    }\n\n    // TODO Maybe split this into two methods: expand() and collapse()\n
toggleIsCollapsed(id: number, isCollapsed: boolean): void {\n        let didMutate = false;\n        const element =
this.getElementByID(id);\n        if (element !== null) {\n            if (isCollapsed) {\n                if (element.type ===
ElementTypeRoot) {\n                    this._throwAndEmitError(Error('Root nodes cannot be collapsed'));\n                }\n                if
(!element.isCollapsed) {\n                    didMutate = true;\n                    element.isCollapsed = true;\n                }\n                const weightDelta =
1 - element.weight;\n                let parentElement: void | Element = ((this._idToElement.get(\n
                    element.parentID,\n                    ): any): Element);\n                while (parentElement !== null) {\n                    // We don't need to
break on a collapsed parent in the same way as the expand case below.\n                    // That's because collapsing a node
doesn't \"bubble\" and affect its parents.\n                    parentElement.weight += weightDelta;\n                    parentElement =
this._idToElement.get(parentElement.parentID);\n                }\n            } else {\n                let currentElement =
element;\n                while (currentElement !== null) {\n                    const oldWeight = currentElement.isCollapsed\n                    ?
1\n                    : currentElement.weight;\n                    if (currentElement.isCollapsed) {\n                        didMutate = true;\n
                    }\n                    currentElement.isCollapsed = false;\n                    const newWeight = currentElement.isCollapsed\n                    ? 1\n
                    : currentElement.weight;\n                    const weightDelta = newWeight - oldWeight;\n                    let parentElement: void
| Element = ((this._idToElement.get(\n
                        currentElement.parentID,\n                        ): any): Element);\n                    while
(parentElement !== null) {\n                        parentElement.weight += weightDelta;\n                        if (parentElement.isCollapsed)
{\n                            // It's important to break on a collapsed parent when expanding nodes.\n                            // That's because
expanding a node \"bubbles\" up and expands all parents as well.\n                            // Breaking in this case prevents us
from over-incrementing the expanded weights.\n                            break;\n                        }\n                        parentElement =
this._idToElement.get(parentElement.parentID);\n                    }\n                }\n                currentElement =\n
currentElement.parentID !== 0\n                    ? // $FlowFixMe[incompatible-type] found when upgrading Flow\n
                    this.getElementByID(currentElement.parentID)\n                    : // $FlowFixMe[incompatible-type] found when

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upgrading Flow\n      null;\n    }\n  }\n  // Only re-calculate weights and emit an \"update\" event if
the store was mutated.\n  if (didMutate) {\n    let weightAcrossRoots = 0;\n    this._roots.forEach(rootID =>
{\n      const { weight } = ((this.getElementByID(rootID): any): Element);\n      weightAcrossRoots += weight;\n    });\n    this._weightAcrossRoots = weightAcrossRoots;\n\n    // The Tree context's search reducer expects
an explicit list of ids for nodes that were added or removed.\n    // In this case, we can pass it empty arrays since
nodes in a collapsed tree are still there (just hidden).\n    // Updating the selected search index later may require
auto-expanding a collapsed subtree though.\n    this.emit('mutated', [], new Map());\n  }\n}\n\n_adjacentParentTreeWeight: (\n  parentElement: Element | null,\n  weightDelta: number,\n) => void =
(parentElement, weightDelta) => {\n  let isInsideCollapsedSubTree = false;\n\n  while (parentElement != null) {\n    parentElement.weight += weightDelta;\n\n    // Additions and deletions within a collapsed subtree should not
bubble beyond the collapsed parent.\n    // Their weight will bubble up when the parent is expanded.\n    if (parentElement.isCollapsed) {\n      isInsideCollapsedSubTree = true;\n      break;\n    }\n\n    parentElement =
((this._idToElement.get(\n      parentElement.parentID,\n    ): any): Element);\n  }\n\n  // Additions and
deletions within a collapsed subtree should not affect the overall number of elements.\n  if (!isInsideCollapsedSubTree) {\n    this._weightAcrossRoots += weightDelta;\n  }\n};\n\n_recurisvelyUpdateSubtree(\n  id: number,\n  callback: (element: Element) => void,\n) : void {\n  const element
= this._idToElement.get(id);\n  if (element) {\n    callback(element);\n\n    element.children.forEach(child =>{\n      this._recurisvelyUpdateSubtree(child, callback),\n    });\n  }\n}\n\nonBridgeNativeStyleEditorSupported: ({\n  isSupported: boolean,\n  validAttributes: ?$ReadOnlyArray<string>,\n}) => void = ({isSupported,
validAttributes}) => {\n  this._isNativeStyleEditorSupported = isSupported;\n  this._nativeStyleEditorValidAttributes = validAttributes || null;\n  this.emit('supportsNativeStyleEditor');\n};\n\nonBridgeOperations: (operations: Array<number>) => void = operations => {\n  if (__DEBUG__) {\n    console.groupCollapsed('onBridgeOperations');\n    debug('onBridgeOperations', operations.join(','));\n  }\n\n  let
haveRootsChanged = false;\n  let haveErrorsOrWarningsChanged = false;\n\n  // The first two values are always
rendererID and rootID\n  const rendererID = operations[0];\n  const addedElementIDs: Array<number> = [];\n\n  // This is a mapping of removed ID -> parent ID:\n  const removedElementIDs: Map<number, number> = new
Map();\n\n  // We'll use the parent ID to adjust selection if it gets deleted.\n  let i = 2;\n\n  // Reassemble the
string table.\n  const stringTable: Array<string | null> = [\n    null, // ID = 0 corresponds to the null string,\n  ];\n\n  const stringTableSize = operations[i++];\n  const stringTableEnd = i + stringTableSize;\n  while (i <
stringTableEnd) {\n    const nextLength = operations[i++];\n    const nextString = utfDecodeString(\n      operations.slice(i, i + nextLength): any,\n    );\n    stringTable.push(nextString);\n    i += nextLength;\n  }\n\n  while (i < operations.length) {\n    const operation = operations[i];\n    switch (operation) {\n      case
TREE_OPERATION_ADD: {\n        const id = ((operations[i + 1]: any): number);\n        const type =
((operations[i + 2]: any): ElementType);\n\n        i += 3;\n\n        if (this._idToElement.has(id)) {\n          this._throwAndEmitError(\n            Error(\n              `Cannot add node \"${id}\" because a node with that id is
already in the Store.`,\n            ),\n            );\n        }\n\n        let ownerID: number = 0;\n        let parentID:
number = ((null: any): number);\n\n        if (type === ElementTypeRoot) {\n          if (__DEBUG__) {\n            debug('Add', `new root node ${id}`);\n          }\n\n          const isStrictModeCompliant = operations[i] > 0;\n          i++;\n\n          const supportsBasicProfiling =\n            (operations[i] & PROFILING_FLAG_BASIC_SUPPORT)
!== 0;\n          const supportsTimeline =\n            (operations[i] & PROFILING_FLAG_TIMELINE_SUPPORT)
!== 0;\n          i++;\n\n          let supportsStrictMode = false;\n          let hasOwnerMetadata = false;\n\n          //
If we don't know the bridge protocol, guess that we're dealing with the latest.\n          // If we do know it, we can
take it into consideration when parsing operations.\n          if (\n            this._bridgeProtocol === null ||\n            this._bridgeProtocol.version >= 2\n          ) {\n            supportsStrictMode = operations[i] > 0;\n            i++;\n\n            hasOwnerMetadata = operations[i] > 0;\n            i++;\n          }\n\n          this._roots =
this._roots.concat(id);\n          this._rootIDToRendererID.set(id, rendererID);\n          this._rootIDToCapabilities.set(id, {\n            supportsBasicProfiling,\n            hasOwnerMetadata,\n            supportsStrictMode,\n            supportsTimeline,\n          });\n\n          // Not all roots support StrictMode;\n

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// don't flag a root as non-compliant unless it also supports StrictMode.\n      const isStrictModeNonCompliant
=\n      !isStrictModeCompliant && supportsStrictMode;\n\n      this._idToElement.set(id, {\n
children: [],\n      depth: -1,\n      displayName: null,\n      hocDisplayNames: null,\n      id,\n      isCollapsed: false, // Never collapse roots; it would hide the entire tree.\n      isStrictModeNonCompliant,\n      key: null,\n      ownerID: 0,\n      parentID: 0,\n      type,\n      weight: 0,\n      });\n\n      haveRootsChanged = true;\n    } else {\n      parentID = ((operations[i]: any): number);\n      i++;\n      ownerID = ((operations[i]: any): number);\n      i++;\n      const displayNameStringID = operations[i];\n      const displayName = stringTable[displayNameStringID];\n      i++;\n      const keyStringID = operations[i];\n      const key = stringTable[keyStringID];\n      i++;\n      if (__DEBUG__) {\n        debug(\n          'Add',\n          `node ${id} (${displayName || 'null'}) as child of ${parentID}`, \n        );\n      }\n      if (!this._idToElement.has(parentID)) {\n        this._throwAndEmitError(\n          Error(\n            `Cannot add child "${id}" to parent "${parentID}" because parent node was not found in the Store.`,\n          ),\n        );\n      }\n      const parentElement = ((this._idToElement.get(\n        parentID,\n      ): any): Element);\n      parentElement.children.push(id);\n      const [displayNameWithoutHOCs,\n      hocDisplayNames] =\n        separateDisplayNameAndHOCs(displayName, type);\n      const element:\n      Element = {\n        children: [],\n        depth: parentElement.depth + 1,\n        displayName:\n        displayNameWithoutHOCs,\n        hocDisplayNames,\n        id,\n        isCollapsed:\n        this._collapseNodesByDefault,\n        isStrictModeNonCompliant: parentElement.isStrictModeNonCompliant,\n        key,\n        ownerID,\n        parentID,\n        type,\n        weight: 1,\n      }; \n      this._idToElement.set(id, element);\n      addedElementIDs.push(id);\n      this._adjustParentTreeWeight(parentElement, 1);\n      if (ownerID > 0) {\n        let set =\n        this._ownersMap.get(ownerID);\n        if (set === undefined) {\n          set = new Set();\n        }\n        this._ownersMap.set(ownerID, set);\n        set.add(id);\n      }\n      break;\n    }\n    case TREE_OPERATION_REMOVE: {\n      const removeLength = ((operations[i + 1]: any): number);\n      i\n      += 2;\n      for (let removeIndex = 0; removeIndex < removeLength; removeIndex++) {\n        const id =\n        ((operations[i]: any): number);\n        if (!this._idToElement.has(id)) {\n          this._throwAndEmitError(\n            Error(\n              `Cannot remove node "${id}" because no matching node was found in the Store.`,\n            ),\n          );\n        }\n        i += 1;\n        const element = ((this._idToElement.get(id): any):\n        Element);\n        const {children, ownerID, parentID, weight} = element;\n        if (children.length > 0) {\n          this._throwAndEmitError(\n            Error(`Node "${id}" was removed before its children.`),\n          );\n        }\n        this._idToElement.delete(id);\n        let parentElement = null;\n        if (parentID === 0) {\n          if (__DEBUG__) {\n            debug('Remove', `node ${id} root`);\n          }\n          this._roots =\n          this._roots.filter(rootID => rootID !== id);\n          this._rootIDToRendererID.delete(id);\n          this._rootIDToCapabilities.delete(id);\n          haveRootsChanged = true;\n        } else {\n          if\n          (__DEBUG__) {\n            debug('Remove', `node ${id} from parent ${parentID}`);\n          }\n          parentElement = ((this._idToElement.get(parentID): any): Element);\n          if (parentElement === undefined) {\n            this._throwAndEmitError(\n              Error(\n                `Cannot remove node "${id}" from parent\n                "${parentID}" because no matching node was found in the Store.`,\n              ),\n            );\n          }\n          const index = parentElement.children.indexOf(id);\n          parentElement.children.splice(index, 1);\n        }\n        this._adjustParentTreeWeight(parentElement, -weight);\n        removedElementIDs.set(id,\n        parentID);\n        this._ownersMap.delete(id);\n        if (ownerID > 0) {\n          const set =\n          this._ownersMap.get(ownerID);\n          if (set !== undefined) {\n            set.delete(id);\n          }\n        }\n        if (this._errorsAndWarnings.has(id)) {\n          this._errorsAndWarnings.delete(id);\n          haveErrorsOrWarningsChanged = true;\n        }\n      }\n      break;\n    }\n    case\n    TREE_OPERATION_REMOVE_ROOT: {\n      i += 1;\n      const id = operations[1];\n      if\n      (__DEBUG__) {\n        debug(`Remove root ${id}`);\n      }\n      const recursivelyDeleteElements =\n      (elementID: number) => {\n        const element = this._idToElement.get(elementID);\n        this._idToElement.delete(elementID);\n        if (element) {\n          // Mostly for Flow's sake\n          for (let

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index = 0; index < element.children.length; index++) {\n
  recursivelyDeleteElements(element.children[index]);\n      }\n      }\n      };\n\n      const root =\n      ((this._idToElement.get(id): any): Element);\n      recursivelyDeleteElements(id);\n\n      this._rootIDToCapabilities.delete(id);\n      this._rootIDToRendererID.delete(id);\n      this._roots =\n      this._roots.filter(rootID => rootID !== id);\n      this._weightAcrossRoots -= root.weight;\n      break;\n      }\n\n      case TREE_OPERATION_REORDER_CHILDREN: {\n      const id = ((operations[i + 1]: any): number);\n      const numChildren = ((operations[i + 2]: any): number);\n      i += 3;\n\n      if (!this._idToElement.has(id))\n      {\n      this._throwAndEmitError(\n      Error(\n      `Cannot reorder children for node \"${id}\" because no matching node was found in the Store.`,\n      ),\n      );\n      }\n\n      const element = ((this._idToElement.get(id): any): Element);\n      const children = element.children;\n      if (children.length !== numChildren) {\n      this._throwAndEmitError(\n      Error(\n      `Children cannot be added or removed during a reorder operation.`,\n      ),\n      );\n      }\n\n      for (let j = 0; j < numChildren; j++)\n      {\n      const childID = operations[i + j];\n      children[j] = childID;\n      if (__DEV__) {\n      // This check is more expensive so it's gated by __DEV__.\n      const childElement = this._idToElement.get(childID);\n      if (childElement == null || childElement.parentID !== id) {\n      console.error(\n      `Children cannot be added or removed during a reorder operation.`,\n      );\n      }\n      }\n      }\n      i += numChildren;\n\n      if (__DEBUG__) {\n      debug('Re-order', `Node ${id} children ${children.join(',')}`);\n      }\n      break;\n      }\n\n      case TREE_OPERATION_SET_SUBTREE_MODE: {\n      const id = operations[i + 1];\n      const mode = operations[i + 2];\n      i += 3;\n\n      // If elements have already been mounted in this subtree, update them.\n      // (In practice, this likely only applies to the root element.)\n      if (mode === StrictMode) {\n      this._recursivelyUpdateSubtree(id, element => {\n      element.isStrictModeNonCompliant = false;\n      });\n      }\n\n      if (__DEBUG__) {\n      debug(\n      'Subtree mode',\n      `Subtree with root ${id} set to mode ${mode}`,\n      );\n      }\n      break;\n      }\n\n      case TREE_OPERATION_UPDATE_TREE_BASE_DURATION: {\n      // Base duration updates are only sent while profiling is in progress.\n      // We can ignore them at this point.\n      // The profiler UI uses them lazily in order to generate the tree.\n      i += 3;\n      break;\n      }\n\n      case TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS: {\n      const id = operations[i + 1];\n      const errorCount = operations[i + 2];\n      const warningCount = operations[i + 3];\n      i += 4;\n\n      if (errorCount > 0 || warningCount > 0) {\n      this._errorsAndWarnings.set(id, {errorCount, warningCount});\n      } else if (this._errorsAndWarnings.has(id)) {\n      this._errorsAndWarnings.delete(id);\n      }\n\n      haveErrorsOrWarningsChanged = true;\n      break;\n      default:\n      this._throwAndEmitError(\n      new UnsupportedBridgeOperationError(\n      `Unsupported Bridge operation \"${operation}\"`,\n      ),\n      );\n      }\n      }\n\n      this._revision++;\n\n      // Any time the tree changes (e.g. elements added, removed, or reordered) cached indices may be invalid.\n      this._cachedErrorAndWarningTuples = null;\n\n      if (haveErrorsOrWarningsChanged) {\n      let errorCount = 0;\n      let warningCount = 0;\n\n      this._errorsAndWarnings.forEach(entry => {\n      errorCount += entry.errorCount;\n      warningCount += entry.warningCount;\n      });\n\n      this._cachedErrorCount = errorCount;\n      this._cachedWarningCount = warningCount;\n      }\n\n      if (haveRootsChanged) {\n      const prevRootSupportsProfiling = this._rootSupportsBasicProfiling;\n      const prevRootSupportsTimelineProfiling =\n      this._rootSupportsTimelineProfiling;\n\n      this._hasOwnerMetadata = false;\n      this._rootSupportsBasicProfiling = false;\n      this._rootSupportsTimelineProfiling = false;\n      this._rootIDToCapabilities.forEach(\n      ({supportsBasicProfiling, hasOwnerMetadata, supportsTimeline}) => {\n      if (supportsBasicProfiling) {\n      this._rootSupportsBasicProfiling = true;\n      }\n      if (hasOwnerMetadata) {\n      this._hasOwnerMetadata = true;\n      }\n      if (supportsTimeline) {\n      this._rootSupportsTimelineProfiling = true;\n      }\n      },\n      );\n\n      this.emit('roots');\n\n      if (this._rootSupportsBasicProfiling !== prevRootSupportsProfiling) {\n      this.emit('rootSupportsBasicProfiling');\n      }\n\n      if (\n      this._rootSupportsTimelineProfiling !==\n      prevRootSupportsTimelineProfiling\n      ) {\n

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    this.emit('rootSupportsTimelineProfiling');\n    }\n  }\n\n  if (__DEBUG__) {\n    console.log(printStore(this,\ntrue));\n    console.groupEnd();\n  }\n\n  this.emit('mutated', [addedElementIDs, removedElementIDs]);\n  }\n\n  // Certain backends save filters on a per-domain basis.\n  // In order to prevent filter preferences and applied filters\n  from being out of sync,\n  // this message enables the backend to override the frontend's current ("saved") filters.\n  // This action should also override the saved filters too,\n  // else reloading the frontend without reloading the\n  backend would leave things out of sync.\n  onBridgeOverrideComponentFilters: (\n    componentFilters:\n    Array<ComponentFilter>,\n  ) => void = componentFilters => {\n    this._componentFilters = componentFilters;\n    setSavedComponentFilters(componentFilters);\n  };}\n\n  onBridgeShutdown: () => void = () => {\n    if\n    (__DEBUG__) {\n      debug('onBridgeShutdown', 'unsubscribing from Bridge');\n    }\n\n    const bridge =\n    this._bridge;\n    bridge.removeListener('operations', this.onBridgeOperations);\n    bridge.removeListener(\n    'overrideComponentFilters',\n    this.onBridgeOverrideComponentFilters,\n  );\n\n    bridge.removeListener('shutdown', this.onBridgeShutdown);\n    bridge.removeListener(\n    'isBackendStorageAPISupported',\n    this.onBackendStorageAPISupported,\n  );\n    bridge.removeListener(\n    'isNativeStyleEditorSupported',\n    this.onBridgeNativeStyleEditorSupported,\n  );\n    bridge.removeListener(\n    'isSynchronousXHRSupported',\n    this.onBridgeSynchronousXHRSupported,\n  );\n\n    bridge.removeListener(\n    'unsupportedRendererVersion',\n    this.onBridgeUnsupportedRendererVersion,\n  );\n    bridge.removeListener('backendVersion', this.onBridgeBackendVersion);\n    bridge.removeListener('bridgeProtocol', this.onBridgeProtocol);\n    bridge.removeListener('saveToClipboard',\n    this.onSaveToClipboard);\n\n    if (this._onBridgeProtocolTimeoutID !== null) {\n      clearTimeout(this._onBridgeProtocolTimeoutID);\n      this._onBridgeProtocolTimeoutID = null;\n    }\n  };}\n\n  onBackendStorageAPISupported: (\n    isBackendStorageAPISupported: boolean,\n  ) => void =\n  isBackendStorageAPISupported => {\n    this._isBackendStorageAPISupported =\n    isBackendStorageAPISupported;\n    this.emit('supportsReloadAndProfile');\n  };}\n\n  onBridgeSynchronousXHRSupported: (\n    isSynchronousXHRSupported: boolean,\n  ) => void =\n  isSynchronousXHRSupported => {\n    this._isSynchronousXHRSupported = isSynchronousXHRSupported;\n    this.emit('supportsReloadAndProfile');\n  };}\n\n  onBridgeUnsupportedRendererVersion: () => void = () => {\n    this._unsupportedRendererVersionDetected = true;\n    this.emit('unsupportedRendererVersionDetected');\n  };}\n\n  onBridgeBackendVersion: (backendVersion: string) => void = backendVersion => {\n    this._backendVersion =\n    backendVersion;\n    this.emit('backendVersion');\n  };}\n\n  onBridgeProtocol: (bridgeProtocol: BridgeProtocol) =>\n  void =\n  bridgeProtocol => {\n    if (this._onBridgeProtocolTimeoutID !== null) {\n      clearTimeout(this._onBridgeProtocolTimeoutID);\n      this._onBridgeProtocolTimeoutID = null;\n    }\n\n    this._bridgeProtocol = bridgeProtocol;\n\n    if (bridgeProtocol.version !== currentBridgeProtocol.version) {\n      // Technically newer versions of the frontend can, at least for now,\n      // gracefully handle older versions of the\n      backend protocol.\n      // So for now we don't need to display the unsupported dialog.\n    }\n  };}\n\n  onBridgeProtocolTimeout: () => void = () => {\n    this._onBridgeProtocolTimeoutID = null;\n\n    // If we timed\n    out, that indicates the backend predates the bridge protocol,\n    // so we can set a fake version (0) to trigger the\n    downgrade message.\n    this._bridgeProtocol = BRIDGE_PROTOCOL[0];\n\n    this.emit('unsupportedBridgeProtocolDetected');\n  };}\n\n  onSaveToClipboard: (text: string) => void = text => {\n    copy(text);\n  };}\n\n  // The Store should never throw an Error without also emitting an event.\n  // Otherwise Store\n  errors will be invisible to users,\n  // but the downstream errors they cause will be reported as bugs.\n  // For\n  example, https://github.com/facebook/react/issues/21402\n  // Emitting an error event allows the ErrorBoundary to\n  show the original error.\n  _throwAndEmitError(error: Error): empty {\n    this.emit('error', error);\n  }\n\n  // Throwing\n  is still valuable for local development\n  // and for unit testing the Store itself.\n  throw error;\n}\n\n"/>**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found\n  in the\n  * LICENSE file in the root directory of this source tree.\n  * @flow strict-local\n  */\n\nimport type\n  {LoggerEvent} from 'react-devtools-shared/src/Logger';\nimport {registerEventLogger} from 'react-devtools-\nshared/src/Logger';\nimport {enableLogger} from 'react-devtools-feature-flags';\n\nlet loggingIFrame = null;\nlet\n  missedEvents: Array<LoggerEvent> = [];\n\nexport function

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registerDevToolsEventLogger(\n surface: string,\n fetchAdditionalContext: ?() =>\n | LoggerContext\n | ?(() =>
Promise<LoggerContext>),\n): void {\n async function logEvent(event: LoggerEvent) {\n if (enableLogger) {\n
if (loggingIFrame != null) {\n let metadata = null;\n if (event.metadata != null) {\n metadata =
event.metadata;\n // $FlowFixMe[cannot-write]: metadata is not writable and nullable\n //
$FlowFixMe[prop-missing]\n delete event.metadata;\n }\n
loggingIFrame.contentWindow.postMessage(\n {\n source: 'react-devtools-logging',\n event:
event,\n context: {\n surface,\n version: process.env.DEVTOOLS_VERSION,\n
metadata: metadata != null ? JSON.stringify(metadata) : '',\n ...(fetchAdditionalContext != null\n
? // $FlowFixMe[not-an-object]\n await fetchAdditionalContext()\n : {}),\n },\n },\n
*);\n } else {\n missedEvents.push(event);\n }\n }\n }\n\n function
handleLoggingIFrameLoaded(iframe: HTMLIFrameElement) {\n if (loggingIFrame != null) {\n return;\n
}\n\n loggingIFrame = iframe;\n if (missedEvents.length > 0) {\n missedEvents.forEach(event =>
logEvent(event));\n missedEvents = [];\n }\n }\n\n // If logger is enabled, register a logger that captures logged
events\n // and render iframe where the logged events will be reported to\n if (enableLogger) {\n const
loggingUrl = process.env.LOGGING_URL;\n const body = document.body;\n if (\n typeof loggingUrl ===
'string' &&\n loggingUrl.length > 0 &&\n body != null\n ) {\n registerEventLogger(logEvent);\n\n
const iframe = document.createElement('iframe');\n iframe.src = loggingUrl;\n iframe.onload = function
(...args) {\n handleLoggingIFrameLoaded(iframe);\n }; \n body.appendChild(iframe);\n }\n
}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport
type {ReactContext} from 'shared/ReactTypes';\nimport {createContext} from 'react';\nimport Store from
'./store';\nimport type {ViewAttributeSource} from 'react-devtools-shared/src/devtools/views/DevTools';\nimport
type {FrontendBridge} from 'react-devtools-shared/src/bridge';\n\nexport const BridgeContext:
ReactContext<FrontendBridge> =\n createContext<FrontendBridge>(((null: any):
FrontendBridge));\n\nBridgeContext.displayName = 'BridgeContext';\n\nexport const StoreContext:
ReactContext<Store> = createContext<Store>(\n ((null: any): Store),\n);\n\nStoreContext.displayName =
'StoreContext';\n\nexport type ContextMenuContextType = {\n isEnabledForInspectedElement: boolean,\n\n
viewAttributeSourceFunction: ViewAttributeSource | null,\n};\n\nexport const ContextMenuContext:
ReactContext<ContextMenuContextType> =\n createContext<ContextMenuContextType>({\n\n
isEnabledForInspectedElement: false,\n\n viewAttributeSourceFunction: null,\n\n
});\n\nContextMenuContext.displayName = 'ContextMenuContext';\n\nexport type OptionsContextType = {\n\n
readOnly: boolean,\n\n hideSettings: boolean,\n\n hideToggleErrorAction: boolean,\n\n hideToggleSuspenseAction:
boolean,\n\n hideLogAction: boolean,\n\n hideViewSourceAction: boolean,\n};\n\nexport const OptionsContext:
ReactContext<OptionsContextType> =\n createContext<OptionsContextType>({\n\n readOnly: false,\n\n
hideSettings: false,\n\n hideToggleErrorAction: false,\n\n hideToggleSuspenseAction: false,\n\n hideLogAction:
false,\n\n hideViewSourceAction: false,\n\n });\n\n","import { createElement, PureComponent } from 'react';\n\nvar
classCallCheck = function (instance, Constructor) {\n if (!(instance instanceof Constructor)) {\n throw new
TypeError("Cannot call a class as a function");\n }\n};\n\nvar createClass = function () {\n function
defineProperties(target, props) {\n for (var i = 0; i < props.length; i++) {\n var descriptor = props[i];\n\n
descriptor.enumerable = descriptor.enumerable || false;\n descriptor.configurable = true;\n if (!"value" in
descriptor) descriptor.writable = true;\n Object.defineProperty(target, descriptor.key, descriptor);\n }\n }\n\n
return function (Constructor, protoProps, staticProps) {\n if (protoProps) defineProperties(Constructor.prototype,
protoProps);\n if (staticProps) defineProperties(Constructor, staticProps);\n return Constructor;\n };
}\n\nvar _extends = Object.assign || function (target) {\n for (var i = 1; i < arguments.length; i++) {\n var
source = arguments[i];\n\n for (var key in source) {\n if (Object.prototype.hasOwnProperty.call(source, key)) {\n
target[key] = source[key];\n }\n }\n }\n\n return target;\n};\n\nvar inherits = function (subClass, superClass)
{\n if (typeof superClass !== "function" && superClass !== null) {\n throw new TypeError("Super expression
must either be null or a function, not '" + typeof superClass);\n }\n\n subClass.prototype =

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Object.create(superClass && superClass.prototype, {\n  constructor: {\n    value: subClass,\n    enumerable:
false,\n    writable: true,\n    configurable: true\n  }\n});\n if (superClass) Object.setPrototypeOf ?
Object.setPrototypeOf(subClass, superClass) : subClass.__proto__ = superClass;\n};\n\nvar
possibleConstructorReturn = function (self, call) {\n  if (!self) {\n    throw new ReferenceError("this hasn't been
initialised - super() hasn't been called");\n  }\n  return call && (typeof call === "object" || typeof call ===
"function") ? call : self;\n};\n\nvar slicedToArray = function () {\n  function sliceIterator(arr, i) {\n    var _arr =
[];\n    var _n = true;\n    var _d = false;\n    var _e = undefined;\n\n    try {\n      for (var _i = arr[Symbol.iterator](),
_s; !(_n = (_s = _i.next()).done); _n = true) {\n        _arr.push(_s.value);\n\n        if (i && _arr.length === i) break;\n\n        }\n    } catch (err) {\n      _d = true;\n      _e = err;\n    } finally {\n      try {\n        if (!_n && _i["return"])
_i["return"]();\n      } finally {\n        if (_d) throw _e;\n      }\n    }\n\n    return _arr;\n  }\n\n  return function (arr, i)
{\n    if (Array.isArray(arr)) {\n      return arr;\n    } else if (Symbol.iterator in Object(arr)) {\n      return
sliceIterator(arr, i);\n    } else {\n      throw new TypeError("Invalid attempt to destructure non-iterable
instance");\n    }\n  };
};\n\nfunction detectElementResize()\n * Detect Element Resize.\n * https://github.com/sdecima/javascript-detect-
element-resize\n * Sebastian Decima\n * Forked from version 0.5.3; includes the following modifications:\n *
1) Guard against unsafe 'window' and 'document' references (to support SSR).\n * 2) Defer initialization code via a
top-level function wrapper (to support SSR).\n * 3) Avoid unnecessary reflows by not measuring size for scroll
events bubbling from children.\n * 4) Add nonce for style element.\n **/\n\n// Check `document` and `window` in
case of server-side rendering\nvar windowObject = void 0;\nif (typeof window !== 'undefined') {\n  windowObject =
window;\n\n  // eslint-disable-next-line no-restricted-globals\n} else if (typeof self !== 'undefined') {\n  // eslint-
disable-next-line no-restricted-globals\n  windowObject = self;\n} else {\n  windowObject = global;\n}\n\nvar
cancelFrame = null;\nvar requestFrame = null;\n\nvar TIMEOUT_DURATION = 20;\n\nvar clearTimeoutFn =
windowObject.clearTimeout;\nvar setTimeoutFn = windowObject.setTimeout;\n\nvar cancelAnimationFrameFn =
windowObject.cancelAnimationFrame || windowObject.mozCancelAnimationFrame ||\nwindowObject.webkitCancelAnimationFrame;\n\nvar requestAnimationFrameFn =
windowObject.requestAnimationFrame || windowObject.mozRequestAnimationFrame ||\nwindowObject.webkitRequestAnimationFrame;\n\nif (cancelAnimationFrameFn == null ||\nrequestAnimationFrameFn == null) {\n  // For environments that don't support animation frame,\n  // fallback to a
setTimeout based approach.\n  cancelFrame = clearTimeoutFn;\n  requestFrame = function
requestAnimationFrameViaSetTimeout(callback) {\n    return setTimeoutFn(callback, TIMEOUT_DURATION);\n
};\n} else {\n  // Counter intuitively, environments that support animation frames can be trickier.\n  // Chrome's
`Throttle non-visible cross-origin iframes` flag can prevent rAFs from being called.\n  // In this case, we should
fallback to a setTimeout() implementation.\n  cancelFrame = function cancelFrame(_ref) {\n    var _ref2 =
slicedToArray(_ref, 2),\n        animationFrameID = _ref2[0],\n        timeoutID = _ref2[1];\n\n    cancelAnimationFrameFn(animationFrameID);\n    clearTimeoutFn(timeoutID);\n  }; requestFrame = function
requestAnimationFrameWithSetTimeoutFallback(callback) {\n    var animationFrameID =
requestAnimationFrameFn(function animationFrameCallback() {\n      clearTimeoutFn(timeoutID);\n      callback();\n    });\n\n    var timeoutID = setTimeoutFn(function timeoutCallback() {\n
cancelAnimationFrameFn(animationFrameID);\n      callback();\n    }, TIMEOUT_DURATION);\n\n    return
[animationFrameID, timeoutID];\n  };
}\n\nfunction createDetectElementResize(nonce) {\n  var
animationKeyframes = void 0;\n  var animationName = void 0;\n  var animationStartEvent = void 0;\n  var
animationStyle = void 0;\n  var checkTriggers = void 0;\n  var resetTriggers = void 0;\n  var scrollListener = void
0;\n\n  var attachEvent = typeof document !== 'undefined' && document.attachEvent;\n  if (!attachEvent) {\n
resetTriggers = function resetTriggers(element) {\n    var triggers = element.__resizeTriggers__,\n        expand =
triggers.firstElementChild,\n        contract = triggers.lastElementChild,\n        expandChild =
expand.firstElementChild;\n\n    contract.scrollLeft = contract.scrollWidth;\n    contract.scrollTop =
contract.scrollHeight;\n    expandChild.style.width = expand.offsetWidth + 1 + 'px';\n    expandChild.style.height =
expand.offsetHeight + 1 + 'px';\n    expand.scrollLeft = expand.scrollWidth;\n    expand.scrollTop =
expand.scrollHeight;\n  };
\n  checkTriggers = function checkTriggers(element) {\n    return

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element.offsetWidth !== element.__resizeLast__.width || element.offsetHeight !== element.__resizeLast__.height;\n
  });\n\n  scrollListener = function scrollListener(e) {\n    // Don't measure (which forces) reflow for scrolls that\n    happen inside of children!\n    if (e.target.className && typeof e.target.className.indexOf === 'function' &&\n    e.target.className.indexOf('contract-trigger') < 0 && e.target.className.indexOf('expand-trigger') < 0) {\n    return;\n    }\n\n    var element = this;\n    resetTriggers(this);\n    if (this.__resizeRAF__) {\n    cancelFrame(this.__resizeRAF__); \n    }\n    this.__resizeRAF__ = requestFrame(function animationFrame() {\n    if (checkTriggers(element)) {\n      element.__resizeLast__.width = element.offsetWidth;\n      element.__resizeLast__.height = element.offsetHeight;\n      element.__resizeListeners__.forEach(function\n      forEachResizeListener(fn) {\n        fn.call(element, e);\n      });\n    });\n\n    /* Detect CSS\n    Animations support to detect element display/re-attach */\n    var animation = false;\n    var keyframeprefix = '';\n    animationStartEvent = 'animationstart';\n    var domPrefixes = 'Webkit Moz O ms'.split(' ');\n    var startEvents =\n    'webkitAnimationStart animationstart oAnimationStart MSAnimationStart'.split(' ');\n    var pfx = '';\n    {\n    var\n    elm = document.createElement('fakeelement');\n    if (elm.style.animationName !== undefined) {\n      animation\n    = true;\n    }\n\n    if (animation === false) {\n      for (var i = 0; i < domPrefixes.length; i++) {\n        if\n    (elm.style[domPrefixes[i] + 'AnimationName'] !== undefined) {\n          pfx = domPrefixes[i];\n          keyframeprefix = '-' + pfx.toLowerCase() + '-';\n          animationStartEvent = startEvents[i];\n          animation =\n    true;\n          break;\n        }\n      }\n    }\n\n    animationName = 'resizeanim';\n    animationKeyframes =\n    '@' + keyframeprefix + 'keyframes ' + animationName + ' { from { opacity: 0; } to { opacity: 0; } }';\n    animationStyle = keyframeprefix + 'animation: 1ms ' + animationName + '';\n\n    var createStyles = function\n    createStyles(doc) {\n      if (!doc.getElementById('detectElementResize')) {\n        //opacity:0 works around a chrome\n    bug https://code.google.com/p/chromium/issues/detail?id=286360\n        var css = (animationKeyframes ?\n    animationKeyframes : '') + '.resize-triggers { ' + (animationStyle ? animationStyle : '') + 'visibility: hidden; opacity:\n    0; } ' + '.resize-triggers, .resize-triggers > div, .contract-trigger:before { content: '\\ \\'; display: block; position:\n    absolute; top: 0; left: 0; height: 100%; width: 100%; overflow: hidden; z-index: -1; } .resize-triggers > div {\n    background: #eee; overflow: auto; } .contract-trigger:before { width: 200%; height: 200%; }';\n        head =\n    doc.head || doc.getElementsByTagName('head')[0];\n        style = doc.createElement('style');\n        style.id =\n    'detectElementResize';\n        style.type = 'text/css';\n        if (nonce != null) {\n          style.setAttribute('nonce',\n    nonce);\n        }\n        if (style.styleSheet) {\n          style.styleSheet.cssText = css;\n        } else {\n          style.appendChild(doc.createTextNode(css));\n        }\n        head.appendChild(style);\n      }\n    }\n\n    var\n    addResizeListener = function addResizeListener(element, fn) {\n      if (attachEvent) {\n        element.attachEvent('onresize', fn);\n      } else {\n        if (!element.__resizeTriggers__) {\n          var doc =\n    element.ownerDocument;\n          var elementStyle = windowObject.getComputedStyle(element);\n          if\n    (elementStyle && elementStyle.position === 'static') {\n            element.style.position = 'relative';\n          }\n          createStyles(doc);\n          element.__resizeLast__ = {};\n          element.__resizeListeners__ = [];\n          (element.__resizeTriggers__ = doc.createElement('div')).className = 'resize-triggers';\n          var expandTrigger =\n    doc.createElement('div');\n          expandTrigger.className = 'expand-trigger';\n          expandTrigger.appendChild(doc.createElement('div'));\n          var contractTrigger = doc.createElement('div');\n          contractTrigger.className = 'contract-trigger';\n          element.__resizeTriggers__.appendChild(expandTrigger);\n          element.__resizeTriggers__.appendChild(contractTrigger);\n          element.appendChild(element.__resizeTriggers__);\n          resetTriggers(element);\n          element.addEventListener('scroll', scrollListener, true);\n\n          /* Listen for a css animation to detect element\n    display/re-attach */\n          if (animationStartEvent) {\n            element.__resizeTriggers__.__animationListener__ =\n    function animationListener(e) {\n              if (e.animationName === animationName) {\n                resetTriggers(element);\n              }\n            };\n            element.__resizeTriggers__.addEventListener(animationStartEvent,\n    element.__resizeTriggers__.__animationListener__); \n          }\n          element.__resizeListeners__.push(fn);\n        }\n      }\n    }\n\n    var removeResizeListener = function removeResizeListener(element, fn) {\n      if (attachEvent) {\n        element.detachEvent('onresize', fn);\n      } else {\n
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element.__resizeListeners__.splice(element.__resizeListeners__.indexOf(fn), 1);\n  if
(!element.__resizeListeners__.length) {\n    element.removeEventListener('scroll', scrollListener, true);\n  } if
(element.__resizeTriggers__.__animationListener__) {\n
element.__resizeTriggers__.removeEventListener(animationStartEvent,
element.__resizeTriggers__.__animationListener__);\n  element.__resizeTriggers__.__animationListener__ =
null;\n  }\n  try {\n    element.__resizeTriggers__ =
!element.removeChild(element.__resizeTriggers__); \n  } catch (e) {\n    // Preact compat; see
developit/preact-compat/issues/228\n  }\n  }\n  }\n  }\n  }\n  return {\n    addResizeListener:
addResizeListener,\n    removeResizeListener: removeResizeListener\n  }; \n  }\n  }\n  nvar AutoSizer = function
(_React$PureComponent) {\n    inherits(AutoSizer, _React$PureComponent);\n    function AutoSizer() {\n      var
_ref;\n      var _temp, _this, _ret;\n      classCallCheck(this, AutoSizer);\n      for (var _len = arguments.length, args
= Array(_len), _key = 0; _key < _len; _key++) {\n        args[_key] = arguments[_key];\n      }\n      return _ret =
(_temp = (_this = possibleConstructorReturn(this, (_ref = AutoSizer.__proto__ ||
Object.getPrototypeOf(AutoSizer)).call.apply(_ref, [this].concat(args))), _this), _this.state = {\n        height:
_this.props.defaultHeight || 0,\n        width: _this.props.defaultWidth || 0\n      }, _this._onResize = function () {\n
var _this$props = _this.props,\n        disableHeight = _this$props.disableHeight,\n        disableWidth =
_this$props.disableWidth,\n        onResize = _this$props.onResize;\n\n      if (_this._parentNode) {\n        //
Guard against AutoSizer component being removed from the DOM immediately after being added.\n        // This can
result in invalid style values which can result in NaN values if we don't handle them.\n        // See issue #150 for
more context.\n        var _height = _this._parentNode.offsetHeight || 0;\n        var _width =
_this._parentNode.offsetWidth || 0;\n        var _style = window.getComputedStyle(_this._parentNode) || {};\n
var paddingLeft = parseInt(_style.paddingLeft, 10) || 0;\n        var paddingRight = parseInt(_style.paddingRight, 10)
|| 0;\n        var paddingTop = parseInt(_style.paddingTop, 10) || 0;\n        var paddingBottom =
parseInt(_style.paddingBottom, 10) || 0;\n        var newHeight = _height - paddingTop - paddingBottom;\n        var
newWidth = _width - paddingLeft - paddingRight;\n        if (!disableHeight && _this.state.height !== newHeight ||
!disableWidth && _this.state.width !== newWidth) {\n          _this.setState({\n            height: _height - paddingTop
- paddingBottom,\n            width: _width - paddingLeft - paddingRight\n          });\n          onResize({ height:
_height, width: _width });\n        }\n      }\n    }, _this._setRef = function (autoSizer) {\n      _this._autoSizer =
autoSizer;\n    }, _temp), possibleConstructorReturn(_this, _ret);\n  }\n  }\n  createClass(AutoSizer, [{\n    key:
'componentDidMount',\n    value: function componentDidMount() {\n      var nonce = this.props.nonce;\n      if
(this._autoSizer && this._autoSizer.parentNode && this._autoSizer.parentNode.ownerDocument &&
this._autoSizer.parentNode.ownerDocument.defaultView && this._autoSizer.parentNode instanceof
this._autoSizer.parentNode.ownerDocument.defaultView.HTMLDivElement) {\n        // Delay access of parentNode
until mount.\n        // This handles edge-cases where the component has already been unmounted before its ref has
been set,\n        // As well as libraries like react-lite which have a slightly different lifecycle.\n        this._parentNode
= this._autoSizer.parentNode;\n      }\n      // Defer requiring resize handler in order to support server-side rendering.\n
      // See issue #41\n      this._detectElementResize = createDetectElementResize(nonce);\n    }\n  }, {\n    key: 'componentWillUnmount',\n    value: function componentWillUnmount() {\n      if
(this._detectElementResize && this._parentNode) {\n
this._detectElementResize.removeResizeListener(this._parentNode, this._onResize);\n      }\n    }, {\n    key:
'render',\n    value: function render() {\n      var _props = this.props,\n        children = _props.children,\n
className = _props.className,\n        disableHeight = _props.disableHeight,\n        disableWidth =
_props.disableWidth,\n        style = _props.style;\n      var _state = this.state,\n        height = _state.height,\n
width = _state.width;\n      // Outer div should not force width/height since that may prevent containers from
shrinking.\n      // Inner component should overflow and use calculated width/height.\n      // See issue #68 for more
information.\n      var outerStyle = { overflow: 'visible' }; \n      var childParams = {};\n      // Avoid rendering
children before the initial measurements have been collected.\n      // At best this would just be wasting cycles.\n

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var bailoutOnChildren = false;\n\n  if (!disableHeight) {\n    if (height === 0) {\n      bailoutOnChildren = true;\n    }\n    outerStyle.height = 0;\n    childParams.height = height;\n  }\n\n  if (!disableWidth) {\n    if (width === 0) {\n      bailoutOnChildren = true;\n    }\n    outerStyle.width = 0;\n    childParams.width = width;\n  }\n\n  return createElement(\n    'div',\n    {\n      className: className,\n      ref: this._setRef,\n      style: _extends({}, outerStyle, style)\n    },\n    !bailoutOnChildren && children(childParams)\n  );\n}\n});\n\nreturn AutoSizer;\n}(PureComponent);\n\n\nAutoSizer.defaultProps = {\n  onResize: function onResize() {},\n  disableHeight: false,\n  disableWidth: false,\n  style: {}\n};\n\n\nexport default AutoSizer;\n","export default function _extends() {\n  _extends = Object.assign || function (target) {\n    for (var i = 1; i < arguments.length; i++) {\n      var source = arguments[i];\n      for (var key in source) {\n        if (Object.prototype.hasOwnProperty.call(source, key)) {\n          target[key] = source[key];\n        }\n      }\n    }\n    return target;\n  };\n  return _extends.apply(this, arguments);\n}","export default function _inheritsLoose(subClass, superClass) {\n  subClass.prototype = Object.create(superClass.prototype);\n  subClass.prototype.constructor = subClass;\n  subClass.__proto__ = superClass;\n}","export default function _assertThisInitialized(self) {\n  if (self === void 0) {\n    throw new ReferenceError("this hasn't been initialised - super() hasn't been called");\n  }\n  return self;\n}","nvar simpleIsEqual = function simpleIsEqual(a, b) {\n  return a === b;\n};\n\n\nexport default function (resultFn) {\n  var isEqual = arguments.length > 1 && arguments[1] !== undefined ? arguments[1] : simpleIsEqual;\n  var lastThis = void 0;\n  var lastArgs = [];\n  var lastResult = void 0;\n  var calledOnce = false;\n  var isNewArgEqualToLast = function isNewArgEqualToLast(newArg, index) {\n    return isEqual(newArg, lastArgs[index]);\n  };\n  var result = function result() {\n    for (var _len = arguments.length, newArgs = Array(_len), _key = 0; _key < _len; _key++) {\n      newArgs[_key] = arguments[_key];\n    }\n    if (calledOnce && lastThis === this && newArgs.length === lastArgs.length && newArgs.every(isNewArgEqualToLast)) {\n      return lastResult;\n    }\n    calledOnce = true;\n    lastThis = this;\n    lastArgs = newArgs;\n    lastResult = resultFn.apply(this, newArgs);\n    return lastResult;\n  };\n  return result;\n}","export default function _objectWithoutPropertiesLoose(source, excluded) {\n  if (source == null) return {};\n  var target = {};\n  var sourceKeys = Object.keys(source);\n  var key, i;\n  for (i = 0; i < sourceKeys.length; i++) {\n    key = sourceKeys[i];\n    if (excluded.indexOf(key) >= 0) continue;\n    target[key] = source[key];\n  }\n  return target;\n}","import _extends from '@babel/runtime/helpers/esm/extends';\nimport _inheritsLoose from '@babel/runtime/helpers/esm/inheritsLoose';\nimport _assertThisInitialized from '@babel/runtime/helpers/esm/assertThisInitialized';\nimport memoizeOne from 'memoize-one';\nimport { createElement, PureComponent } from 'react';\nimport { flushSync } from 'react-dom';\nimport _objectWithoutPropertiesLoose from '@babel/runtime/helpers/esm/objectWithoutPropertiesLoose';\n\n\n// Animation frame based implementation of setTimeout.\n// Inspired by Joe Lambert,\nhttps://gist.github.com/joelambert/1002116#file-requesttimeout-js\n\nvar hasNativePerformanceNow = typeof performance === 'object' && typeof performance.now === 'function';\n\nvar now = hasNativePerformanceNow ? function () {\n  return performance.now();\n} : function () {\n  return Date.now();\n};\n\nfunction cancelTimeout(timeoutID) {\n  cancelAnimationFrame(timeoutID.id);\n}\n\nfunction requestTimeout(callback, delay) {\n  var start = now();\n  function tick() {\n    if (now() - start >= delay) {\n      callback.call(null);\n    } else {\n      timeoutID.id = requestAnimationFrame(tick);\n    }\n  }\n  var timeoutID = {\n    id: requestAnimationFrame(tick)\n  };\n  return timeoutID;\n}\n\n\nvar size = -1; // This utility copied from \"dom-helpers\" package.\n\nfunction getScrollbarSize(recalculate) {\n  if (recalculate === void 0) {\n    recalculate = false;\n  }\n  if (size === -1 || recalculate) {\n    var div = document.createElement('div');\n    var style = div.style;\n    style.width = '50px';\n    style.height = '50px';\n    style.overflow = 'scroll';\n    document.body.appendChild(div);\n    size = div.offsetWidth - div.clientWidth;\n    document.body.removeChild(div);\n  }\n  return size;\n}\n\nvar cachedRTLResult = null; // TRICKY According to the spec, scrollLeft should be negative for RTL aligned elements.\n// Chrome does not seem to adhere; its scrollLeft values are positive (measured relative to the left).\n// Safari's elastic bounce makes detecting this even more complicated wrt potential false positives.\n// The safest way to check this is to intentionally set a negative offset,\n// and then verify that the subsequent \"scroll\" event matches the negative offset.\n// If it does not match, then we can

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assume a non-standard RTL scroll implementation.\n\nfunction getRTLOffsetType(recalculate) {\n  if (recalculate
=== void 0) {\n    recalculate = false;\n  }\n  if (cachedRTLResult === null || recalculate) {\n    var outerDiv =
document.createElement('div');\n    var outerStyle = outerDiv.style;\n    outerStyle.width = '50px';\n
outerStyle.height = '50px';\n    outerStyle.overflow = 'scroll';\n    outerStyle.direction = 'rtl';\n    var innerDiv =
document.createElement('div');\n    var innerStyle = innerDiv.style;\n    innerStyle.width = '100px';\n
innerStyle.height = '100px';\n    outerDiv.appendChild(innerDiv);\n    document.body.appendChild(outerDiv);\n\n
if (outerDiv.scrollLeft > 0) {\n    cachedRTLResult = 'positive-descending';\n  } else {\n    outerDiv.scrollLeft =
1;\n\n    if (outerDiv.scrollLeft === 0) {\n    cachedRTLResult = 'negative';\n    } else {\n
cachedRTLResult = 'positive-ascending';\n    }\n  }\n\n  document.body.removeChild(outerDiv);\n  return
cachedRTLResult;\n}\n\nreturn cachedRTLResult;\n}\n\nvar IS_SCROLLING_DEBOUNCE_INTERVAL =
150;\n\nvar defaultItemKey = function defaultItemKey(_ref) {\n  var columnIndex = _ref.columnIndex,\n    data =
_ref.data,\n    rowIndex = _ref.rowIndex;\n  return rowIndex + ':' + columnIndex;\n}; // In DEV mode, this Set
helps us only log a warning once per component instance.\n// This avoids spamming the console every time a render
happens.\n\nvar devWarningsOverscanCount = null;\nvar devWarningsOverscanRowsColumnsCount = null;\nvar
devWarningsTagName = null;\n\nif (process.env.NODE_ENV !== 'production') {\n  if (typeof window !==
'undefined' && typeof window.WeakSet !== 'undefined') {\n    devWarningsOverscanCount =\n
/*#__PURE__*/\n    new WeakSet();\n    devWarningsOverscanRowsColumnsCount =\n    /*#__PURE__*/\n    new
WeakSet();\n    devWarningsTagName =\n    /*#__PURE__*/\n    new WeakSet();\n  }\n}\n\nfunction
createGridComponent(_ref2) {\n  var _class, _temp;\n\n  var getColumnOffset = _ref2.getColumnOffset,\n
getColumnStartIndexForOffset = _ref2.getColumnStartIndexForOffset,\n  getColumnStopIndexForStartIndex =
_ref2.getColumnStopIndexForStartIndex,\n  getColumnWidth = _ref2.getColumnWidth,\n
getEstimatedTotalHeight = _ref2.getEstimatedTotalHeight,\n  getEstimatedTotalWidth =
_ref2.getEstimatedTotalWidth,\n  getOffsetForColumnAndAlignment =
_ref2.getOffsetForColumnAndAlignment,\n  getOffsetForRowAndAlignment =
_ref2.getOffsetForRowAndAlignment,\n  getRowHeight = _ref2.getRowHeight,\n  getRowOffset =
_ref2.getRowOffset,\n  getRowStartIndexForOffset = _ref2.getRowStartIndexForOffset,\n
getRowStopIndexForStartIndex = _ref2.getRowStopIndexForStartIndex,\n  initInstanceProps =
_ref2.initInstanceProps,\n  shouldResetStyleCacheOnItemSizeChange =
_ref2.shouldResetStyleCacheOnItemSizeChange,\n  validateProps = _ref2.validateProps;\n  return _temp = _class
=\n  /*#__PURE__*/\n  function (_PureComponent) {\n    _inheritsLoose(Grid, _PureComponent);\n\n    // Always
use explicit constructor for React components.\n    // It produces less code after transpilation. (#26)\n    // eslint-
disable-next-line no-useless-constructor\n    function Grid(props) {\n      var _this;\n\n      _this =
_PureComponent.call(this, props) || this;\n      _this._instanceProps = initInstanceProps(_this.props,
_assertThisInitialized(_assertThisInitialized(_this))); \n      _this._resetIsScrollingTimeoutId = null;\n
      _this._outerRef = void 0;\n      _this.state = {\n        instance: _assertThisInitialized(_assertThisInitialized(_this)),\n
        isScrolling: false,\n        horizontalScrollDirection: 'forward',\n        scrollLeft: typeof _this.props.initialScrollLeft
=== 'number' ? _this.props.initialScrollLeft : 0,\n        scrollTop: typeof _this.props.initialScrollTop === 'number' ?
_this.props.initialScrollTop : 0,\n        scrollUpdateWasRequested: false,\n        verticalScrollDirection: 'forward'\n
      };\n      _this._callOnItemsRendered = void 0;\n      _this._callOnItemsRendered = memoizeOne(function
(overscanColumnStartIndex, overscanColumnStopIndex, overscanRowStartIndex, overscanRowStopIndex,
visibleColumnStartIndex, visibleColumnStopIndex, visibleRowStartIndex, visibleRowStopIndex) {\n        return
_this.props.onItemsRendered({\n          overscanColumnStartIndex: overscanColumnStartIndex,\n
overscanColumnStopIndex: overscanColumnStopIndex,\n          overscanRowStartIndex: overscanRowStartIndex,\n
overscanRowStopIndex: overscanRowStopIndex,\n          visibleColumnStartIndex:
visibleColumnStartIndex,\n          visibleColumnStopIndex: visibleColumnStopIndex,\n          visibleRowStartIndex:
visibleRowStartIndex,\n          visibleRowStopIndex: visibleRowStopIndex\n        });\n      });\n      _this._callOnScroll = void 0;\n      _this._callOnScroll = memoizeOne(function (scrollLeft, scrollTop,
horizontalScrollDirection, verticalScrollDirection, scrollUpdateWasRequested) {\n        return

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_this.props.onScroll({\n      horizontalScrollDirection: horizontalScrollDirection,\n      scrollLeft: scrollLeft,\n      scrollTop: scrollTop,\n      verticalScrollDirection: verticalScrollDirection,\n      scrollUpdateWasRequested: scrollUpdateWasRequested\n    });\n    _this._getItemStyle = void 0;\n    _this._getItemStyle = function (rowIndex, columnIndex) {\n      var _this$props = _this.props,\n          columnWidth = _this$props.columnWidth,\n          direction = _this$props.direction,\n          rowHeight = _this$props.rowHeight;\n      var itemStyleCache = _this._getItemStyleCache(shouldResetStyleCacheOnItemSizeChange && columnWidth, shouldResetStyleCacheOnItemSizeChange && direction, shouldResetStyleCacheOnItemSizeChange && rowHeight);\n      var key = rowIndex + ':' + columnIndex;\n      var style;\n      if (itemStyleCache.hasOwnProperty(key)) {\n        style = itemStyleCache[key];\n      } else {\n        var _style;\n        itemStyleCache[key] = style = (_style = {\n          position: 'absolute'\n        }, _style[direction === 'rtl' ? 'right' : 'left'] = getColumnOffset(_this.props, columnIndex, _this._instanceProps), _style.top = getRowOffset(_this.props, rowIndex, _this._instanceProps), _style.height = getRowHeight(_this.props, rowIndex, _this._instanceProps), _style.width = getColumnWidth(_this.props, columnIndex, _this._instanceProps), _style);\n      }\n      return style;\n    });\n    _this._getItemStyleCache = void 0;\n    _this._getItemStyleCache = memoizeOne(function (_, __, ___) {\n      return {};\n    });\n    _this._onScroll = function (event) {\n      var _event$currentTarget = event.currentTarget,\n          clientHeight = _event$currentTarget.clientHeight,\n          clientWidth = _event$currentTarget.clientWidth,\n          scrollLeft = _event$currentTarget.scrollLeft,\n          scrollTop = _event$currentTarget.scrollTop,\n          scrollHeight = _event$currentTarget.scrollHeight,\n          scrollWidth = _event$currentTarget.scrollWidth;\n      // Force flush sync for scroll updates to reduce visual checkerboarding.\n      flushSync(() => {\n        _this.setState(function (prevState) {\n          if (prevState.scrollLeft === scrollLeft && prevState.scrollTop === scrollTop) {\n            // Scroll position may have been updated by cDM/cDU,\n            // In which case we don't need to trigger another render,\n            // And we don't want to update state.isScrolling.\n            return null;\n          }\n          var direction = _this.props.direction; // TRICKY According to the spec, scrollLeft should be negative for RTL aligned elements.\n          // This is not the case for all browsers though (e.g. Chrome reports values as positive, measured relative to the left).\n          // It's also easier for this component if we convert offsets to the same format as they would be in for ltr.\n          // So the simplest solution is to determine which browser behavior we're dealing with, and convert based on it.\n          var calculatedScrollLeft = scrollLeft;\n          if (direction === 'rtl') {\n            switch (getRTLOffsetType()) {\n              case 'negative':\n                calculatedScrollLeft = -scrollLeft;\n                break;\n              case 'positive-descending':\n                calculatedScrollLeft = scrollWidth - clientWidth - scrollLeft;\n                break;\n            }\n            // Prevent Safari's elastic scrolling from causing visual shaking when scrolling past bounds.\n            calculatedScrollLeft = Math.max(0, Math.min(calculatedScrollLeft, scrollWidth - clientWidth));\n          }\n          var calculatedScrollTop = Math.max(0, Math.min(scrollTop, scrollHeight - clientHeight));\n          return {\n            isScrolling: true,\n            horizontalScrollDirection: prevState.scrollLeft < scrollLeft ? 'forward' : 'backward',\n            scrollLeft: calculatedScrollLeft,\n            scrollTop: calculatedScrollTop,\n            verticalScrollDirection: prevState.scrollTop < scrollTop ? 'forward' : 'backward',\n            scrollUpdateWasRequested: false\n          }; \n        }, _this._resetIsScrollingDebounce);\n      });\n    _this._outerRefSetter = function (ref) {\n      var outerRef = _this.props.outerRef;\n      _this._outerRef = ref;\n      if (typeof outerRef === 'function') {\n        outerRef(ref);\n      } else if (outerRef != null && typeof outerRef === 'object' && outerRef.hasOwnProperty('current')) {\n        outerRef.current = ref;\n      }\n    }; \n    _this._resetIsScrollingDebounce = function () {\n      if (_this._resetIsScrollingTimeoutId !== null) {\n        clearTimeout(_this._resetIsScrollingTimeoutId);\n      }\n      _this._resetIsScrollingTimeoutId = requestTimeout(_this._resetIsScrolling, IS_SCROLLING_DEBOUNCE_INTERVAL);\n    }; \n    _this._resetIsScrolling = function () {\n      _this._resetIsScrollingTimeoutId = null;\n      _this.setState({\n        isScrolling: false\n      }, function () {\n        // Clear style cache after state update has been committed.\n        // This way we don't break pure sCU for items that don't use isScrolling param.\n        _this._getItemStyleCache(-1);\n      });\n    }; \n    return _this;\n  }\n  Grid.getDerivedStateFromProps = function

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getDerivedStateFromProps(nextProps, prevState) {\n  validateSharedProps(nextProps, prevState);\n  validateProps(nextProps);\n  return null;\n};\n\n var _proto = Grid.prototype;\n\n _proto.scrollTo = function\nscrollTo(_ref3) {\n  var scrollLeft = _ref3.scrollLeft,\n      scrollTop = _ref3.scrollTop;\n\n  if (scrollLeft !==\nundefined) {\n    scrollLeft = Math.max(0, scrollLeft);\n  }\n\n  if (scrollTop !== undefined) {\n    scrollTop = Math.max(0, scrollTop);\n  }\n\n  this.setState(function (prevState) {\n    if (scrollLeft ===\nundefined) {\n      scrollLeft = prevState.scrollLeft;\n    }\n\n    if (scrollTop === undefined) {\n      scrollTop = prevState.scrollTop;\n    }\n\n    if (prevState.scrollLeft === scrollLeft && prevState.scrollTop\n=== scrollTop) {\n      return null;\n    }\n\n    return {\n      horizontalScrollDirection: prevState.scrollLeft\n< scrollLeft ? 'forward' : 'backward',\n      scrollLeft: scrollLeft,\n      scrollTop: scrollTop,\n      scrollUpdateWasRequested: true,\n      verticalScrollDirection: prevState.scrollTop < scrollTop ? 'forward' :\n'backward'\n    };\n  }, this._resetIsScrollingDebounce);\n};\n\n _proto.scrollToItem = function\nscrollToItem(_ref4) {\n  var _ref4$align = _ref4.align,\n      align = _ref4$align === void 0 ? 'auto' :\n_ref4$align,\n      columnIndex = _ref4.columnIndex,\n      rowIndex = _ref4.rowIndex;\n  var _this$props2 =\nthis.props,\n      columnCount = _this$props2.columnCount,\n      height = _this$props2.height,\n      rowCount = _this$props2.rowCount,\n      width = _this$props2.width;\n  var _this$state = this.state,\n      scrollLeft = _this$state.scrollLeft,\n      scrollTop = _this$state.scrollTop;\n  var scrollbarSize =\ngetScrollbarSize();\n\n  if (columnIndex !== undefined) {\n    columnIndex = Math.max(0,\nMath.min(columnIndex, columnCount - 1));\n  }\n\n  if (rowIndex !== undefined) {\n    rowIndex =\nMath.max(0, Math.min(rowIndex, rowCount - 1));\n  }\n\n  var estimatedTotalHeight =\ngetEstimatedTotalHeight(this.props, this._instanceProps);\n  var estimatedTotalWidth =\ngetEstimatedTotalWidth(this.props, this._instanceProps); // The scrollbar size should be considered when scrolling\nan item into view,\n  // to ensure it's fully visible.\n  // But we only need to account for its size when it's actually\nvisible.\n\n  var horizontalScrollbarSize = estimatedTotalWidth > width ? scrollbarSize : 0;\n  var\nverticalScrollbarSize = estimatedTotalHeight > height ? scrollbarSize : 0;\n  this.scrollTo({\n    scrollLeft:\ncolumnIndex !== undefined ? getOffsetForColumnAndAlignment(this.props, columnIndex, align, scrollLeft,\nthis._instanceProps, verticalScrollbarSize) : scrollLeft,\n    scrollTop: rowIndex !== undefined ?\ngetOffsetForRowAndAlignment(this.props, rowIndex, align, scrollTop, this._instanceProps,\nhorizontalScrollbarSize) : scrollTop\n  });\n};\n\n _proto.componentDidMount = function\ncomponentDidMount() {\n  var _this$props3 = this.props,\n      initialScrollLeft =\n_this$props3.initialScrollLeft,\n      initialScrollTop = _this$props3.initialScrollTop;\n\n  if (this._outerRef !==\nnull) {\n    var outerRef = this._outerRef;\n\n    if (typeof initialScrollLeft === 'number') {\n      outerRef.scrollLeft = initialScrollLeft;\n    }\n\n    if (typeof initialScrollTop === 'number') {\n      outerRef.scrollTop = initialScrollTop;\n    }\n  }\n\n  this._callPropsCallbacks();\n};\n\n _proto.componentDidUpdate = function componentDidUpdate() {\n  var direction = this.props.direction;\n  var\n_this$state2 = this.state,\n      scrollLeft = _this$state2.scrollLeft,\n      scrollTop = _this$state2.scrollTop,\n      scrollUpdateWasRequested = _this$state2.scrollUpdateWasRequested;\n\n  if (scrollUpdateWasRequested &&\nthis._outerRef !== null) {\n    // TRICKY According to the spec, scrollLeft should be negative for RTL aligned\nelements.\n    // This is not the case for all browsers though (e.g. Chrome reports values as positive, measured\nrelative to the left).\n    // So we need to determine which browser behavior we're dealing with, and mimic it.\n\n    var outerRef = this._outerRef;\n\n    if (direction === 'rtl') {\n      switch (getRTLOffsetType()) {\n        case\n'negative':\n          outerRef.scrollLeft = -scrollLeft;\n          break;\n\n        case 'positive-ascending':\n          outerRef.scrollLeft = scrollLeft;\n          break;\n\n        default:\n          var clientWidth =\nouterRef.clientWidth,\n              scrollWidth = outerRef.scrollWidth;\n          outerRef.scrollLeft = scrollWidth\n- clientWidth - scrollLeft;\n          break;\n      }\n    } else {\n      outerRef.scrollLeft = Math.max(0,\nscrollLeft);\n    }\n\n    outerRef.scrollTop = Math.max(0, scrollTop);\n  }\n\n  this._callPropsCallbacks();\n};\n\n _proto.componentWillUnmount = function componentWillUnmount() {\n  if (this._resetIsScrollingTimeoutId !== null) {\n    clearTimeout(this._resetIsScrollingTimeoutId);\n  }\n};\n\n _proto.render = function render() {\n  var _this$props4 = this.props,\n      children =

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_this$props4.children,\n      className = _this$props4.className,\n      columnCount =
_this$props4.columnCount,\n      direction = _this$props4.direction,\n      height = _this$props4.height,\n
innerRef = _this$props4.innerRef,\n      innerElementType = _this$props4.innerElementType,\n
innerTagName = _this$props4.innerTagName,\n      itemData = _this$props4.itemData,\n
_this$props4$itemKey = _this$props4.itemKey,\n      itemKey = _this$props4$itemKey === void 0 ?
defaultItemKey : _this$props4$itemKey,\n      outerElementType = _this$props4.outerElementType,\n
outerTagName = _this$props4.outerTagName,\n      rowCount = _this$props4.rowCount,\n      style =
_this$props4.style,\n      useIsScrolling = _this$props4.useIsScrolling,\n      width = _this$props4.width;\n
var isScrolling = this.state.isScrolling;\n\n  var _this$_getHorizontalR = this._getHorizontalRangeToRender(),\n      columnStartIndex = _this$_getHorizontalR[0],\n      columnStopIndex = _this$_getHorizontalR[1];\n\n  var
_this$_getVerticalRan = this._getVerticalRangeToRender(),\n      rowStartIndex = _this$_getVerticalRan[0],\n
      rowStopIndex = _this$_getVerticalRan[1];\n\n  var items = [];\n\n  if (columnCount > 0 && rowCount) {\n
    for (var _rowIndex = rowStartIndex; _rowIndex <= rowStopIndex; _rowIndex++) {\n      for (var _columnIndex
= columnStartIndex; _columnIndex <= columnStopIndex; _columnIndex++) {\n
        items.push(createElement(children, {\n          columnIndex: _columnIndex,\n          data: itemData,\n
isScrolling: useIsScrolling ? isScrolling : undefined,\n          key: itemKey({\n            columnIndex:
_columnIndex,\n            data: itemData,\n            rowIndex: _rowIndex\n          })),\n          rowIndex:
_rowIndex,\n          style: this._getItemStyle(_rowIndex, _columnIndex)\n        }));\n      }\n    }\n  } //
Read this value AFTER items have been created,\n  // So their actual sizes (if variable) are taken into
consideration.\n\n  var estimatedTotalHeight = getEstimatedTotalHeight(this.props, this._instanceProps);\n
var estimatedTotalWidth = getEstimatedTotalWidth(this.props, this._instanceProps);\n  return
createElement(outerElementType || outerTagName || 'div', {\n    className: className,\n    onScroll:
this._onScroll,\n    ref: this._outerRefSetter,\n    style: _extends({\n      position: 'relative',\n      height:
height,\n      width: width,\n      overflow: 'auto',\n      WebkitOverflowScrolling: 'touch',\n      willChange:
'transform',\n      direction: direction\n    }, style)\n  }, createElement(innerElementType || innerTagName ||
'div', {\n    children: items,\n    ref: innerRef,\n    style: {\n      height: estimatedTotalHeight,\n
pointerEvents: isScrolling ? 'none' : undefined,\n      width: estimatedTotalWidth\n    }\n  }));\n\n  _proto._callPropsCallbacks = function _callPropsCallbacks() {\n
    var _this$props5 = this.props,\n        columnCount = _this$props5.columnCount,\n        onItemsRendered = _this$props5.onItemsRendered,\n
        onScroll = _this$props5.onScroll,\n        rowCount = _this$props5.rowCount;\n\n    if (typeof onItemsRendered
=== 'function') {\n      if (columnCount > 0 && rowCount > 0) {\n        var _this$_getHorizontalR2 =
this._getHorizontalRangeToRender(),\n            _overscanColumnStartIndex = _this$_getHorizontalR2[0],\n
            _overscanColumnStopIndex = _this$_getHorizontalR2[1],\n            _visibleColumnStartIndex =
_this$_getHorizontalR2[2],\n            _visibleColumnStopIndex = _this$_getHorizontalR2[3];\n\n        var
_this$_getVerticalRan2 = this._getVerticalRangeToRender(),\n            _overscanRowStartIndex =
_this$_getVerticalRan2[0],\n            _overscanRowStopIndex = _this$_getVerticalRan2[1],\n
            _visibleRowStartIndex = _this$_getVerticalRan2[2],\n            _visibleRowStopIndex =
_this$_getVerticalRan2[3];\n\n        this._callOnItemsRendered(_overscanColumnStartIndex,
_overscanColumnStopIndex, _overscanRowStartIndex, _overscanRowStopIndex, _visibleColumnStartIndex,
_visibleColumnStopIndex, _visibleRowStartIndex, _visibleRowStopIndex);\n      }\n    }\n\n    if (typeof
onScroll === 'function') {\n      var _this$state3 = this.state,\n          _horizontalScrollDirection =
_this$state3.horizontalScrollDirection,\n          _scrollLeft = _this$state3.scrollLeft,\n          _scrollTop =
_this$state3.scrollTop,\n          _scrollUpdateWasRequested = _this$state3.scrollUpdateWasRequested,\n
          _verticalScrollDirection = _this$state3.verticalScrollDirection;\n\n      this._callOnScroll(_scrollLeft, _scrollTop,
_horizontalScrollDirection, _verticalScrollDirection, _scrollUpdateWasRequested);\n    }\n  }; // Lazily create and
cache item styles while scrolling,\n  // So that pure component sCU will prevent re-renders.\n  // We maintain this
cache, and pass a style prop rather than index,\n  // So that List can clear cached styles and force item re-render if
necessary.\n\n  _proto._getHorizontalRangeToRender = function _getHorizontalRangeToRender() {\n    var

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_this$props6 = this.props,\n      columnCount = _this$props6.columnCount,\n      overscanColumnCount =\n      _this$props6.overscanColumnCount,\n      overscanColumnsCount = _this$props6.overscanColumnsCount,\n      overscanCount = _this$props6.overscanCount,\n      rowCount = _this$props6.rowCount;\n      var _this$state4 =\n      this.state,\n      horizontalScrollDirection = _this$state4.horizontalScrollDirection,\n      isScrolling =\n      _this$state4.isScrolling,\n      scrollLeft = _this$state4.scrollLeft;\n      var overscanCountResolved =\n      overscanColumnCount || overscanColumnsCount || overscanCount || 1;\n      if (columnCount === 0 || rowCount\n      === 0) {\n        return [0, 0, 0, 0];\n      }\n      var startIndex = getColumnStartIndexForOffset(this.props,\n      scrollLeft, this._instanceProps);\n      var stopIndex = getColumnStopIndexForStartIndex(this.props, startIndex,\n      scrollLeft, this._instanceProps); // Overscan by one item in each direction so that tab/focus works.\n      // If there\n      isn't at least one extra item, tab loops back around.\n      var overscanBackward = !isScrolling ||\n      horizontalScrollDirection === 'backward' ? Math.max(1, overscanCountResolved) : 1;\n      var overscanForward =\n      !isScrolling || horizontalScrollDirection === 'forward' ? Math.max(1, overscanCountResolved) : 1;\n      return\n      [Math.max(0, startIndex - overscanBackward), Math.max(0, Math.min(columnCount - 1, stopIndex +\n      overscanForward)), startIndex, stopIndex];\n    };\n    _proto._getVerticalRangeToRender = function\n    _getVerticalRangeToRender() {\n      var _this$props7 = this.props,\n          columnCount =\n          _this$props7.columnCount,\n          overscanCount = _this$props7.overscanCount,\n          overscanRowCount =\n          _this$props7.overscanRowCount,\n          overscanRowsCount = _this$props7.overscanRowsCount,\n          rowCount = _this$props7.rowCount;\n      var _this$state5 = this.state,\n          isScrolling =\n          _this$state5.isScrolling,\n          verticalScrollDirection = _this$state5.verticalScrollDirection,\n          scrollTop =\n          _this$state5.scrollTop;\n      var overscanCountResolved = overscanRowCount || overscanRowsCount ||\n      overscanCount || 1;\n      if (columnCount === 0 || rowCount === 0) {\n        return [0, 0, 0, 0];\n      }\n      var\n      startIndex = getRowStartIndexForOffset(this.props, scrollTop, this._instanceProps);\n      var stopIndex =\n      getRowStopIndexForStartIndex(this.props, startIndex, scrollTop, this._instanceProps); // Overscan by one item in\n      each direction so that tab/focus works.\n      // If there isn't at least one extra item, tab loops back around.\n      var\n      overscanBackward = !isScrolling || verticalScrollDirection === 'backward' ? Math.max(1, overscanCountResolved) :\n      1;\n      var overscanForward = !isScrolling || verticalScrollDirection === 'forward' ? Math.max(1,\n      overscanCountResolved) : 1;\n      return [Math.max(0, startIndex - overscanBackward), Math.max(0,\n      Math.min(rowCount - 1, stopIndex + overscanForward)), startIndex, stopIndex];\n    };\n    return Grid;\n  }(PureComponent), _class.defaultProps = {\n    direction: 'ltr',\n    itemData: undefined,\n    useIsScrolling: false\n  }, _temp;\n}\n\nvar validateSharedProps = function validateSharedProps(_ref5, _ref6) {\n  var children =\n  _ref5.children,\n      direction = _ref5.direction,\n      height = _ref5.height,\n      innerTagName =\n      _ref5.innerTagName,\n      outerTagName = _ref5.outerTagName,\n      overscanColumnsCount =\n      _ref5.overscanColumnsCount,\n      overscanCount = _ref5.overscanCount,\n      overscanRowsCount =\n      _ref5.overscanRowsCount,\n      width = _ref5.width;\n  var instance = _ref6.instance;\n  if\n  (process.env.NODE_ENV !== 'production') {\n    if (typeof overscanCount === 'number') {\n      if\n      (devWarningsOverscanCount && !devWarningsOverscanCount.has(instance)) {\n        devWarningsOverscanCount.add(instance);\n        console.warn('The overscanCount prop has been deprecated. ' +\n        'Please use the overscanColumnCount and overscanRowCount props instead.);\n      }\n    }\n    if (typeof\n      overscanColumnsCount === 'number' || typeof overscanRowsCount === 'number') {\n      if\n      (devWarningsOverscanRowsColumnsCount && !devWarningsOverscanRowsColumnsCount.has(instance)) {\n        devWarningsOverscanRowsColumnsCount.add(instance);\n        console.warn('The overscanColumnsCount and\n        overscanRowsCount props have been deprecated. ' + 'Please use the overscanColumnCount and overscanRowCount\n        props instead.);\n      }\n    }\n    if (innerTagName != null || outerTagName != null) {\n      if\n      (devWarningsTagName && !devWarningsTagName.has(instance)) {\n        devWarningsTagName.add(instance);\n        console.warn('The innerTagName and outerTagName props have been deprecated. ' + 'Please use the\n        innerElementType and outerElementType props instead.);\n      }\n    }\n    if (children == null) {\n      throw\n      Error('An invalid \"children\" prop has been specified. ' + 'Value should be a React component. ' + (\"\\\"\\\"\\\"\" +\n      (children === null ? 'null' : typeof children) + \"\\\"\\\"\\\"\" was specified.);\n    }\n  }\n  switch (direction) {\n    case

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'ltr':\n    case 'rtl':\n        // Valid values\n        break;\n        default:\n            throw Error('An invalid \'direction\' prop has been specified. ' + 'Value should be either \'ltr\' or \'rtl\'. ' + ('\\\\" + direction + '\\\\" was specified.\\'));
\n\n    if (typeof width !== 'number') {\n        throw Error('An invalid \'width\' prop has been specified. ' + 'Grids must specify a number for width. ' + ('\\\\" + (width === null ? 'null' : typeof width) + '\\\\" was specified.\\'));
\n\n    if (typeof height !== 'number') {\n        throw Error('An invalid \'height\' prop has been specified. ' + 'Grids must specify a number for height. ' + ('\\\\" + (height === null ? 'null' : typeof height) + '\\\\" was specified.\\'));
\n    }\n};\n\nvar DEFAULT_ESTIMATED_ITEM_SIZE = 50;\n\nvar getEstimatedTotalHeight = function getEstimatedTotalHeight(_ref, _ref2) {\n    var rowCount = _ref.rowCount;\n    var rowMetadataMap = _ref2.rowMetadataMap;\n    estimatedRowHeight = _ref2.estimatedRowHeight;\n    lastMeasuredRowIndex = _ref2.lastMeasuredRowIndex;\n    var totalSizeOfMeasuredRows = 0; // Edge case check for when the number of items decreases while a scroll is in progress.\n    // https://github.com/bvaughn/react-window/pull/138\n    if (lastMeasuredRowIndex >= rowCount) {\n        lastMeasuredRowIndex = rowCount - 1;\n    }\n    if (lastMeasuredRowIndex >= 0) {\n        var itemMetadata = rowMetadataMap[lastMeasuredRowIndex];\n        totalSizeOfMeasuredRows = itemMetadata.offset + itemMetadata.size;\n    }\n    var numUnmeasuredItems = rowCount - lastMeasuredRowIndex - 1;\n    var totalSizeOfUnmeasuredItems = numUnmeasuredItems * estimatedRowHeight;\n    return totalSizeOfMeasuredRows + totalSizeOfUnmeasuredItems;\n};\n\nvar getEstimatedTotalWidth = function getEstimatedTotalWidth(_ref3, _ref4) {\n    var columnCount = _ref3.columnCount;\n    var columnMetadataMap = _ref4.columnMetadataMap;\n    estimatedColumnWidth = _ref4.estimatedColumnWidth;\n    lastMeasuredColumnIndex = _ref4.lastMeasuredColumnIndex;\n    var totalSizeOfMeasuredRows = 0; // Edge case check for when the number of items decreases while a scroll is in progress.\n    // https://github.com/bvaughn/react-window/pull/138\n    if (lastMeasuredColumnIndex >= columnCount) {\n        lastMeasuredColumnIndex = columnCount - 1;\n    }\n    if (lastMeasuredColumnIndex >= 0) {\n        var itemMetadata = columnMetadataMap[lastMeasuredColumnIndex];\n        totalSizeOfMeasuredRows = itemMetadata.offset + itemMetadata.size;\n    }\n    var numUnmeasuredItems = columnCount - lastMeasuredColumnIndex - 1;\n    var totalSizeOfUnmeasuredItems = numUnmeasuredItems * estimatedColumnWidth;\n    return totalSizeOfMeasuredRows + totalSizeOfUnmeasuredItems;\n};\n\nvar getItemMetadata = function getItemMetadata(itemType, props, index, instanceProps) {\n    var itemMetadataMap, itemSize, lastMeasuredIndex;\n    if (itemType === 'column') {\n        itemMetadataMap = instanceProps.columnMetadataMap;\n        itemSize = props.columnWidth;\n        lastMeasuredIndex = instanceProps.lastMeasuredColumnIndex;\n    } else {\n        itemMetadataMap = instanceProps.rowMetadataMap;\n        itemSize = props.rowHeight;\n        lastMeasuredIndex = instanceProps.lastMeasuredRowIndex;\n    }\n    if (index > lastMeasuredIndex) {\n        var offset = 0;\n        if (lastMeasuredIndex >= 0) {\n            var itemMetadata = itemMetadataMap[lastMeasuredIndex];\n            offset = itemMetadata.offset + itemMetadata.size;\n        }\n        for (var i = lastMeasuredIndex + 1; i <= index; i++) {\n            var size = itemSize(i);\n            itemMetadataMap[i] = {\n                offset: offset,\n                size: size\n            };\n            offset += size;\n        }\n        if (itemType === 'column') {\n            instanceProps.lastMeasuredColumnIndex = index;\n        } else {\n            instanceProps.lastMeasuredRowIndex = index;\n        }\n    }\n    return itemMetadataMap[index];\n};\n\nvar findNearestItem = function findNearestItem(itemType, props, instanceProps, offset) {\n    var itemMetadataMap, lastMeasuredIndex;\n    if (itemType === 'column') {\n        itemMetadataMap = instanceProps.columnMetadataMap;\n        lastMeasuredIndex = instanceProps.lastMeasuredColumnIndex;\n    } else {\n        itemMetadataMap = instanceProps.rowMetadataMap;\n        lastMeasuredIndex = instanceProps.lastMeasuredRowIndex;\n    }\n    var lastMeasuredItemOffset = lastMeasuredIndex > 0 ? itemMetadataMap[lastMeasuredIndex].offset : 0;\n    if (lastMeasuredItemOffset >= offset) {\n        // If we've already measured items within this range just use a binary search as it's faster.\n        return findNearestItemBinarySearch(itemType, props, instanceProps, lastMeasuredIndex, 0, offset);\n    } else {\n        // If we haven't yet measured this high, fallback to an exponential search with an inner binary search.\n        // The exponential search avoids pre-computing sizes for the full set of items as a binary search would.\n        // The overall complexity for this approach is O(log n).\n        return findNearestItemExponentialSearch(itemType, props, instanceProps, Math.max(0, lastMeasuredIndex), offset);\n    }\n};\n\nvar findNearestItemBinarySearch = function

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findNearestItemBinarySearch(itemType, props, instanceProps, high, low, offset) {\n  while (low <= high) {\n    var
middle = low + Math.floor((high - low) / 2);\n    var currentOffset = getItemMetadata(itemType, props, middle,
instanceProps).offset;\n\n    if (currentOffset === offset) {\n      return middle;\n    } else if (currentOffset < offset)
{\n      low = middle + 1;\n    } else if (currentOffset > offset) {\n      high = middle - 1;\n    }\n  }\n\n  if (low > 0)
{\n    return low - 1;\n  } else {\n    return 0;\n  }\n};\n\nvar findNearestItemExponentialSearch = function
findNearestItemExponentialSearch(itemType, props, instanceProps, index, offset) {\n  var itemCount = itemType
=== 'column' ? props.columnCount : props.rowCount;\n  var interval = 1;\n\n  while (index < itemCount &&
getItemMetadata(itemType, props, index, instanceProps).offset < offset) {\n    index += interval;\n    interval *= 2;\n  }\n\n  return findNearestItemBinarySearch(itemType, props, instanceProps, Math.min(index, itemCount - 1),
Math.floor(index / 2), offset);\n};\n\nvar getOffsetForIndexAndAlignment = function
getOffsetForIndexAndAlignment(itemType, props, index, align, scrollOffset, instanceProps, scrollbarSize) {\n  var
size = itemType === 'column' ? props.width : props.height;\n  var itemMetadata = getItemMetadata(itemType,
props, index, instanceProps); // Get estimated total size after ItemMetadata is computed,\n  // To ensure it reflects
actual measurements instead of just estimates.\n\n  var estimatedTotalSize = itemType === 'column' ?
getEstimatedTotalWidth(props, instanceProps) : getEstimatedTotalHeight(props, instanceProps);\n  var maxOffset =
Math.max(0, Math.min(estimatedTotalSize - size, itemMetadata.offset));\n  var minOffset = Math.max(0,
itemMetadata.offset - size + scrollbarSize + itemMetadata.size);\n\n  if (align === 'smart') {\n    if (scrollOffset >=
minOffset - size && scrollOffset <= maxOffset + size) {\n      align = 'auto';\n    } else {\n      align = 'center';\n    }\n  }\n\n  switch (align) {\n    case 'start':\n      return maxOffset;\n\n    case 'end':\n      return minOffset;\n\n    case
'center':\n      return Math.round(minOffset + (maxOffset - minOffset) / 2);\n\n    case 'auto':\n      default:\n        if
(scrollOffset >= minOffset && scrollOffset <= maxOffset) {\n          return scrollOffset;\n        } else if (minOffset >
maxOffset) {\n          // Because we only take into account the scrollbar size when calculating minOffset\n          // this
value can be larger than maxOffset when at the end of the list\n          return minOffset;\n        } else if (scrollOffset <
minOffset) {\n          return minOffset;\n        } else {\n          return maxOffset;\n        }\n      }\n  }\n};\n\nvar
VariableSizeGrid =\n\n  /*#__PURE__*/\n  createGridComponent({\n    getColumnOffset: function
getColumnOffset(props, index, instanceProps) {\n      return getItemMetadata('column', props, index,
instanceProps).offset;\n    },\n    getColumnStartIndexForOffset: function getColumnStartIndexForOffset(props,
scrollLeft, instanceProps) {\n      return findNearestItem('column', props, instanceProps, scrollLeft);\n    },\n    getColumnStopIndexForStartIndex: function getColumnStopIndexForStartIndex(props, startIndex, scrollLeft,
instanceProps) {\n      var columnCount = props.columnCount,\n        width = props.width;\n      var itemMetadata =
getItemMetadata('column', props, startIndex, instanceProps);\n      var maxOffset = scrollLeft + width;\n      var offset
= itemMetadata.offset + itemMetadata.size;\n      var stopIndex = startIndex;\n\n      while (stopIndex < columnCount -
1 && offset < maxOffset) {\n        stopIndex++;\n        offset += getItemMetadata('column', props, stopIndex,
instanceProps).size;\n      }\n\n      return stopIndex;\n    },\n    getColumnWidth: function getColumnWidth(props, index,
instanceProps) {\n      return instanceProps.columnMetadataMap[index].size;\n    },\n    getEstimatedTotalHeight:
getEstimatedTotalHeight,\n    getEstimatedTotalWidth: getEstimatedTotalWidth,\n    getOffsetForColumnAndAlignment: function getOffsetForColumnAndAlignment(props, index, align, scrollOffset,
instanceProps, scrollbarSize) {\n      return getOffsetForIndexAndAlignment('column', props, index, align,
scrollOffset, instanceProps, scrollbarSize);\n    },\n    getOffsetForRowAndAlignment: function
getOffsetForRowAndAlignment(props, index, align, scrollOffset, instanceProps, scrollbarSize) {\n      return
getOffsetForIndexAndAlignment('row', props, index, align, scrollOffset, instanceProps, scrollbarSize);\n    },\n    getRowOffset: function getRowOffset(props, index, instanceProps) {\n      return getItemMetadata('row', props,
index, instanceProps).offset;\n    },\n    getRowHeight: function getRowHeight(props, index, instanceProps) {\n      return
instanceProps.rowMetadataMap[index].size;\n    },\n    getRowStartIndexForOffset: function
getRowStartIndexForOffset(props, scrollTop, instanceProps) {\n      return findNearestItem('row', props,
instanceProps, scrollTop);\n    },\n    getRowStopIndexForStartIndex: function getRowStopIndexForStartIndex(props,
startIndex, scrollTop, instanceProps) {\n      var rowCount = props.rowCount,\n        height = props.height;\n      var
itemMetadata = getItemMetadata('row', props, startIndex, instanceProps);\n      var maxOffset = scrollTop + height;\n    }
  });

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var offset = itemMetadata.offset + itemMetadata.size;\n  var stopIndex = startIndex;\n\n  while (stopIndex <
rowCount - 1 && offset < maxOffset) {\n    stopIndex++;\n    offset += getItemMetadata('row', props, stopIndex,
instanceProps).size;\n  }\n\n  return stopIndex;\n },\n\n  initInstanceProps: function initInstanceProps(props,
instance) {\n    var _ref5 = props,\n        estimatedColumnWidth = _ref5.estimatedColumnWidth,\n        estimatedRowHeight = _ref5.estimatedRowHeight;\n    var instanceProps = {\n      columnMetadataMap: {},\n      estimatedColumnWidth: estimatedColumnWidth || DEFAULT_ESTIMATED_ITEM_SIZE,\n      estimatedRowHeight: estimatedRowHeight || DEFAULT_ESTIMATED_ITEM_SIZE,\n      lastMeasuredColumnIndex: -1,\n      lastMeasuredRowIndex: -1,\n      rowMetadataMap: {} }\n    instance.resetAfterColumnIndex = function (columnIndex, shouldForceUpdate) {\n      if (shouldForceUpdate ===
void 0) {\n        shouldForceUpdate = true;\n      }\n      instance.resetAfterIndices({\n        columnIndex:
columnIndex,\n        shouldForceUpdate: shouldForceUpdate\n      });\n    }\n    instance.resetAfterRowIndex =
function (rowIndex, shouldForceUpdate) {\n      if (shouldForceUpdate === void 0) {\n        shouldForceUpdate =
true;\n      }\n      instance.resetAfterIndices({\n        rowIndex: rowIndex,\n        shouldForceUpdate:
shouldForceUpdate\n      });\n    }\n    instance.resetAfterIndices = function (_ref6) {\n      var columnIndex =
_ref6.columnIndex,\n          rowIndex = _ref6.rowIndex,\n          _ref6$shouldForceUpda =
_ref6.shouldForceUpdate,\n          shouldForceUpdate = _ref6$shouldForceUpda === void 0 ? true :
_ref6$shouldForceUpda;\n      if (typeof columnIndex === 'number') {\n        instanceProps.lastMeasuredColumnIndex = Math.min(instanceProps.lastMeasuredColumnIndex, columnIndex -
1);\n      }\n      if (typeof rowIndex === 'number') {\n        instanceProps.lastMeasuredRowIndex =
Math.min(instanceProps.lastMeasuredRowIndex, rowIndex - 1);\n      }\n      // We could potentially optimize further by
only evicting styles after this index,\n      // But since styles are only cached while scrolling is in progress-\n      // It
seems an unnecessary optimization.\n      // It's unlikely that resetAfterIndex() will be called while a user is
scrolling.\n      instance._getItemStyleCache(-1);\n      if (shouldForceUpdate) {\n        instance.forceUpdate();\n      }\n    }\n    return instanceProps;\n  },\n\n  shouldResetStyleCacheOnItemSizeChange:
false,\n  validateProps: function validateProps(_ref7) {\n    var columnWidth = _ref7.columnWidth,\n        rowHeight = _ref7.rowHeight;\n    if (process.env.NODE_ENV !== 'production') {\n      if (typeof columnWidth
!== 'function') {\n        throw Error('An invalid \"columnWidth\" prop has been specified. ' + 'Value should be a
function. ' + (columnWidth === null ? 'null' : typeof columnWidth) + '\" was specified.\");\n      } else
if (typeof rowHeight !== 'function') {\n        throw Error('An invalid \"rowHeight\" prop has been specified. ' +
'Value should be a function. ' + (rowHeight === null ? 'null' : typeof rowHeight) + '\" was
specified.\");\n      }\n    }\n  },\n\n  IS_SCROLLING_DEBOUNCE_INTERVAL$1 = 150,\n  defaultItemKey$1 = function defaultItemKey(index, data) {\n    return index;\n  }; // In DEV mode, this Set helps us
only log a warning once per component instance.\n  // This avoids spamming the console every time a render
happens.\n  devWarningsDirection = null;\n  devWarningsTagName$1 = null;\n  if
(process.env.NODE_ENV !== 'production') {\n    if (typeof window !== 'undefined' && typeof window.WeakSet !==
'undefined') {\n      devWarningsDirection =\n        /*#__PURE__*/\n        new WeakSet();\n      devWarningsTagName$1
=\n        /*#__PURE__*/\n        new WeakSet();\n    }\n  }\n  function createListComponent(_ref) {\n    var _class,
    _temp;\n    var getItemOffset = _ref.getItemOffset,\n        getEstimatedTotalSize = _ref.getEstimatedTotalSize,\n
getItemSize = _ref.getItemSize,\n        getOffsetForIndexAndAlignment = _ref.getOffsetForIndexAndAlignment,\n
getStartIndexForOffset = _ref.getStartIndexForOffset,\n        getStopIndexForStartIndex =
_ref.getStopIndexForStartIndex,\n        initInstanceProps = _ref.initInstanceProps,\n
shouldResetStyleCacheOnItemSizeChange = _ref.shouldResetStyleCacheOnItemSizeChange,\n        validateProps =
_ref.validateProps;\n    return _temp = _class =\n      /*#__PURE__*/\n      function (_PureComponent) {\n        _inheritsLoose(List, _PureComponent);\n        // Always use explicit constructor for React components.\n        // It
produces less code after transpilation. (#26)\n        // eslint-disable-next-line no-useless-constructor\n        function
List(props) {\n          var _this;\n          _this = _PureComponent.call(this, props) || this;\n          _this._instanceProps =
initInstanceProps(_this.props, _assertThisInitialized(_assertThisInitialized(_this)));\n          _this._outerRef = void 0;\n          _this._resetIsScrollingTimeoutId = null;\n          _this.state = {\n            instance:

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_assertThisInitialized(_assertThisInitialized(_this)),\n    isScrolling: false,\n    scrollDirection: 'forward',\n    scrollOffset: typeof _this.props.initialScrollOffset === 'number' ? _this.props.initialScrollOffset : 0,\n    scrollUpdateWasRequested: false\n  });\n  _this._callOnItemsRendered = void 0;\n  _this._callOnItemsRendered = memoizeOne(function (overscanStartIndex, overscanStopIndex, visibleStartIndex,\n    visibleStopIndex) {\n    return _this.props.onItemsRendered({\n      overscanStartIndex: overscanStartIndex,\n      overscanStopIndex: overscanStopIndex,\n      visibleStartIndex: visibleStartIndex,\n      visibleStopIndex: visibleStopIndex\n    });\n  });\n  _this._callOnScroll = void 0;\n  _this._callOnScroll =\n    memoizeOne(function (scrollDirection, scrollOffset, scrollUpdateWasRequested) {\n      return\n        _this.props.onScroll({\n          scrollDirection: scrollDirection,\n          scrollOffset: scrollOffset,\n          scrollUpdateWasRequested: scrollUpdateWasRequested\n        });\n    });\n  _this._getItemStyle = void 0;\n  _this._getItemStyle = function (index) {\n    var _this$props = _this.props,\n        direction =\n        _this$props.direction,\n        itemSize = _this$props.itemSize,\n        layout = _this$props.layout;\n\n    var\n      itemStyleCache = _this._getItemStyleCache(shouldResetStyleCacheOnItemSizeChange && itemSize,\n        shouldResetStyleCacheOnItemSizeChange && layout, shouldResetStyleCacheOnItemSizeChange &&\n        direction);\n\n    var style;\n\n    if (itemStyleCache.hasOwnProperty(index)) {\n      style =\n        itemStyleCache[index];\n    } else {\n      var _style;\n\n      var _offset = getItemOffset(_this.props, index,\n        _this._instanceProps);\n\n      var size = getItemSize(_this.props, index, _this._instanceProps); // TODO\n        Deprecate direction \"horizontal\"\n\n      var isHorizontal = direction === 'horizontal' || layout === 'horizontal';\n\n      itemStyleCache[index] = style = (_style = {\n        position: 'absolute'\n      }, _style[direction === 'rtl' ?\n        'right' : 'left'] = isHorizontal ? _offset : 0, _style.top = !isHorizontal ? _offset : 0, _style.height = !isHorizontal ? size\n        : '100%', _style.width = isHorizontal ? size : '100%', _style);\n    }\n\n    return style;\n  });\n  _this._getItemStyleCache = void 0;\n  _this._getItemStyleCache = memoizeOne(function (_, __, ___) {\n    return {};\n  });\n  _this._onScrollHorizontal = function (event) {\n    var _event$currentTarget =\n    event.currentTarget,\n        clientWidth = _event$currentTarget.clientWidth,\n        scrollLeft =\n        _event$currentTarget.scrollLeft,\n        scrollWidth = _event$currentTarget.scrollWidth;\n\n    // Force flush\n    sync for scroll updates to reduce visual checkerboarding.\n    flushSync() => {\n      _this.setState(function\n        (prevState) {\n          if (prevState.scrollOffset === scrollLeft) {\n            // Scroll position may have been updated\n            by cDM/cDU,\n            // In which case we don't need to trigger another render,\n            // And we don't want to\n            update state.isScrolling.\n            return null;\n          }\n\n          var direction = _this.props.direction;\n          var scrollOffset = scrollLeft;\n\n          if (direction === 'rtl') {\n            // TRICKY According to the spec,\n            scrollLeft should be negative for RTL aligned elements.\n            // This is not the case for all browsers though (e.g.\n            Chrome reports values as positive, measured relative to the left).\n            // It's also easier for this component if we\n            convert offsets to the same format as they would be in for ltr.\n            // So the simplest solution is to determine\n            which browser behavior we're dealing with, and convert based on it.\n            switch (getRTLOffsetType()) {\n              case 'negative':\n                scrollOffset = -scrollLeft;\n                break;\n\n              case 'positive-\n                descending':\n                scrollOffset = scrollWidth - clientWidth - scrollLeft;\n                break;\n            }\n          }\n\n          // Prevent Safari's elastic scrolling from causing visual shaking when scrolling past bounds.\n\n          scrollOffset = Math.max(0, Math.min(scrollOffset, scrollWidth - clientWidth));\n          return {\n            isScrolling: true,\n            scrollDirection: prevState.scrollOffset < scrollLeft ? 'forward' : 'backward',\n            scrollOffset: scrollOffset,\n            scrollUpdateWasRequested: false\n          };\n        },\n        _this._resetIsScrollingDebounce);\n    });\n  _this._onScrollVertical = function (event) {\n    var\n      _event$currentTarget2 = event.currentTarget,\n      clientHeight = _event$currentTarget2.clientHeight,\n      scrollHeight = _event$currentTarget2.scrollHeight,\n      scrollTop = _event$currentTarget2.scrollTop;\n\n    // Force flush sync for scroll updates to reduce visual checkerboarding.\n    flushSync() => {\n      _this.setState(function (prevState) {\n        if (prevState.scrollOffset === scrollTop) {\n          // Scroll position\n          may have been updated by cDM/cDU,\n          // In which case we don't need to trigger another render,\n          // And we don't want to update state.isScrolling.\n          return null;\n        }\n        // Prevent Safari's elastic scrolling\n        from causing visual shaking when scrolling past bounds.\n\n        var scrollOffset = Math.max(0,

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Math.min(scrollTop, scrollHeight - clientHeight));\n      return {\n        isScrolling: true,\n        scrollDirection: prevState.scrollOffset < scrollOffset ? 'forward' : 'backward',\n        scrollOffset: scrollOffset,\n        scrollUpdateWasRequested: false\n      };\n    }, _this._resetIsScrollingDebounce);\n  });\n\n  _this._outerRefSetter = function (ref) {\n    var outerRef = _this.props.outerRef;\n    _this._outerRef =\n    ref;\n    if (typeof outerRef === 'function') {\n      outerRef(ref);\n    } else if (outerRef != null && typeof\n    outerRef === 'object' && outerRef.hasOwnProperty('current')) {\n      outerRef.current = ref;\n    }\n  };\n\n  _this._resetIsScrollingDebounce = function () {\n    if (_this._resetIsScrollingTimeoutId !== null) {\n      clearTimeout(_this._resetIsScrollingTimeoutId);\n    }\n\n    _this._resetIsScrollingTimeoutId =\n    requestTimeout(_this._resetIsScrolling, IS_SCROLLING_DEBOUNCE_INTERVAL$1);\n  };\n\n  _this._resetIsScrolling = function () {\n    _this._resetIsScrollingTimeoutId = null;\n\n    _this.setState({\n      isScrolling: false\n    }, function () {\n      // Clear style cache after state update has been committed.\n      // This way we don't break pure sCU for items that don't use isScrolling param.\n      _this._getItemStyleCache(-1,\n      null);\n    });\n  };\n\n  return _this;\n}\n\nList.getDerivedStateFromProps = function\ngetDerivedStateFromProps(nextProps, prevState) {\n  validateSharedProps$1(nextProps, prevState);\n  validateProps(nextProps);\n  return null;\n};\n\nvar _proto = List.prototype;\n\n_proto.scrollTo = function\nscrollTo(scrollOffset) {\n  scrollOffset = Math.max(0, scrollOffset);\n  this.setState(function (prevState) {\n    if (prevState.scrollOffset === scrollOffset) {\n      return null;\n    }\n\n    return {\n      scrollDirection:\n      prevState.scrollOffset < scrollOffset ? 'forward' : 'backward',\n      scrollOffset: scrollOffset,\n      scrollUpdateWasRequested: true\n    };\n  }, this._resetIsScrollingDebounce);\n};\n\n_proto.scrollToItem\n= function scrollToItem(index, align) {\n  if (align === void 0) {\n    align = 'auto';\n  }\n\n  var itemCount\n= this.props.itemCount;\n  var scrollOffset = this.state.scrollOffset;\n  index = Math.max(0, Math.min(index,\n  itemCount - 1));\n  this.scrollTo(getOffsetForIndexAndAlignment(this.props, index, align, scrollOffset,\n  this._instanceProps));\n};\n\n_proto.componentDidMount = function componentDidMount() {\n  var\n  _this$props2 = this.props,\n  direction = _this$props2.direction,\n  initialScrollOffset =\n  _this$props2.initialScrollOffset,\n  layout = _this$props2.layout;\n\n  if (typeof initialScrollOffset ===\n  'number' && this._outerRef != null) {\n    var outerRef = this._outerRef; // TODO Deprecate direction\n    \"horizontal\"\n\n    if (direction === 'horizontal' || layout === 'horizontal') {\n      outerRef.scrollLeft =\n      initialScrollOffset;\n    } else {\n      outerRef.scrollTop = initialScrollOffset;\n    }\n  }\n\n  this._callPropsCallbacks();\n};\n\n_proto.componentDidUpdate = function componentDidUpdate() {\n  var\n  _this$props3 = this.props,\n  direction = _this$props3.direction,\n  layout = _this$props3.layout;\n\n  var\n  _this$state = this.state,\n  scrollOffset = _this$state.scrollOffset,\n  scrollUpdateWasRequested =\n  _this$state.scrollUpdateWasRequested;\n\n  if (scrollUpdateWasRequested && this._outerRef != null) {\n    var outerRef = this._outerRef; // TODO Deprecate direction \"horizontal\"\n\n    if (direction === 'horizontal' ||\n    layout === 'horizontal') {\n      if (direction === 'rtl') {\n        // TRICKY According to the spec, scrollLeft\n        should be negative for RTL aligned elements.\n        // This is not the case for all browsers though (e.g. Chrome\n        reports values as positive, measured relative to the left).\n        // So we need to determine which browser behavior\n        we're dealing with, and mimic it.\n        switch (getRTLOffsetType()) {\n          case 'negative':\n            outerRef.scrollLeft = -scrollOffset;\n            break;\n\n          case 'positive-ascending':\n            outerRef.scrollLeft = scrollOffset;\n            break;\n\n          default:\n            var clientWidth =\n            outerRef.clientWidth,\n            scrollWidth = outerRef.scrollWidth;\n\n            outerRef.scrollLeft =\n            scrollWidth - clientWidth - scrollOffset;\n            break;\n        }\n      } else {\n        outerRef.scrollLeft =\n        scrollOffset;\n      }\n    } else {\n      outerRef.scrollTop = scrollOffset;\n    }\n  }\n\n  this._callPropsCallbacks();\n};\n\n_proto.componentWillUnmount = function componentWillUnmount() {\n  if (this._resetIsScrollingTimeoutId !== null) {\n    clearTimeout(this._resetIsScrollingTimeoutId);\n  }\n};\n\n_proto.render = function render() {\n  var _this$props4 = this.props,\n  children =\n  _this$props4.children,\n  className = _this$props4.className,\n  direction = _this$props4.direction,\n  height = _this$props4.height,\n  innerRef = _this$props4.innerRef,\n  innerElementType =\n  _this$props4.innerElementType,\n  innerTagName = _this$props4.innerTagName,\n  itemCount =

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_this$props4.itemCount,\n      itemData = _this$props4.itemData,\n      _this$props4$itemKey =
_this$props4.itemKey,\n      itemKey = _this$props4$itemKey === void 0 ? defaultItemKey$1 :
_this$props4$itemKey,\n      layout = _this$props4.layout,\n      outerElementType =
_this$props4.outerElementType,\n      outerTagName = _this$props4.outerTagName,\n      style =
_this$props4.style,\n      useIsScrolling = _this$props4.useIsScrolling,\n      width = _this$props4.width;\n
var isScrolling = this.state.isScrolling; // TODO Deprecate direction \"horizontal\"\n\n var isHorizontal =
direction === 'horizontal' || layout === 'horizontal';\n  var onScroll = isHorizontal ? this._onScrollHorizontal :
this._onScrollVertical;\n\n  var _this$_getRangeToRend = this._getRangeToRender(),\n      startIndex =
_this$_getRangeToRend[0],\n      stopIndex = _this$_getRangeToRend[1];\n\n  var items = [];\n\n  if
(itemCount > 0) {\n    for (var _index = startIndex; _index <= stopIndex; _index++) {\n
items.push(createElement(children, {\n      data: itemData,\n      key: itemKey(_index, itemData),\n
index: _index,\n      isScrolling: useIsScrolling ? isScrolling : undefined,\n      style:
this._getItemStyle(_index)\n    }));\n  }\n  } // Read this value AFTER items have been created,\n  // So
their actual sizes (if variable) are taken into consideration.\n\n  var estimatedTotalSize =
getEstimatedTotalSize(this.props, this._instanceProps);\n  return createElement(outerElementType ||
outerTagName || 'div', {\n    className: className,\n    onScroll: onScroll,\n    ref: this._outerRefSetter,\n
style: _extends({\n      position: 'relative',\n      height: height,\n      width: width,\n      overflow: 'auto',\n
WebkitOverflowScrolling: 'touch',\n      willChange: 'transform',\n      direction: direction\n    }, style)\n
}, createElement(innerElementType || innerTagName || 'div', {\n    children: items,\n    ref: innerRef,\n
style: {\n      height: isHorizontal ? '100%' : estimatedTotalSize,\n      pointerEvents: isScrolling ? 'none' :
undefined,\n      width: isHorizontal ? estimatedTotalSize : '100%\n    }\n  }));\n  });\n\n
_proto._callPropsCallbacks = function _callPropsCallbacks() {\n  if (typeof this.props.onItemsRendered ===
'function') {\n    var itemCount = this.props.itemCount;\n\n    if (itemCount > 0) {\n      var
_this$_getRangeToRend2 = this._getRangeToRender(),\n          _overscanStartIndex =
_this$_getRangeToRend2[0],\n          _overscanStopIndex = _this$_getRangeToRend2[1],\n
_visibleStartIndex = _this$_getRangeToRend2[2],\n          _visibleStopIndex = _this$_getRangeToRend2[3];\n\n
      this._callOnItemsRendered(_overscanStartIndex, _overscanStopIndex, _visibleStartIndex,
_visibleStopIndex);\n    }\n  }\n\n  if (typeof this.props.onScroll === 'function') {\n    var _this$state2 =
this.state,\n        _scrollDirection = _this$state2.scrollDirection,\n        _scrollOffset =
_this$state2.scrollOffset,\n        _scrollUpdateWasRequested = _this$state2.scrollUpdateWasRequested;\n\n
this._callOnScroll(_scrollDirection, _scrollOffset, _scrollUpdateWasRequested);\n  }\n  }; // Lazily create and
cache item styles while scrolling,\n  // So that pure component sCU will prevent re-renders.\n  // We maintain this
cache, and pass a style prop rather than index,\n  // So that List can clear cached styles and force item re-render if
necessary.\n\n  _proto._getRangeToRender = function _getRangeToRender() {\n    var _this$props5 =
this.props,\n        itemCount = _this$props5.itemCount,\n        overscanCount = _this$props5.overscanCount;\n
var _this$state3 = this.state,\n        isScrolling = _this$state3.isScrolling,\n        scrollDirection =
_this$state3.scrollDirection,\n        scrollOffset = _this$state3.scrollOffset;\n\n    if (itemCount === 0) {\n
return [0, 0, 0, 0];\n    }\n\n    var startIndex = getStartIndexForOffset(this.props, scrollOffset,
this._instanceProps);\n    var stopIndex = getStopIndexForStartIndex(this.props, startIndex, scrollOffset,
this._instanceProps); // Overscan by one item in each direction so that tab/focus works.\n    // If there isn't at least
one extra item, tab loops back around.\n\n    var overscanBackward = !isScrolling || scrollDirection === 'backward'
? Math.max(1, overscanCount) : 1;\n    var overscanForward = !isScrolling || scrollDirection === 'forward' ?
Math.max(1, overscanCount) : 1;\n    return [Math.max(0, startIndex - overscanBackward), Math.max(0,
Math.min(itemCount - 1, stopIndex + overscanForward)), startIndex, stopIndex];\n  };\n\n  return List;\n
}(PureComponent), _class.defaultProps = {\n  direction: 'ltr',\n  itemData: undefined,\n  layout: 'vertical',\n
overscanCount: 2,\n  useIsScrolling: false\n }, _temp;\n} // NOTE: I considered further wrapping individual items
with a pure ListItem component.\n// This would avoid ever calling the render function for the same index more than
once,\n// But it would also add the overhead of a lot of components/fibers.\n// I assume people already do this

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(render function returning a class component),\n// So my doing it would just unnecessarily double the
wrappers.\n\nvar validateSharedProps$1 = function validateSharedProps(_ref2, _ref3) {\n  var children =
_ref2.children,\n  direction = _ref2.direction,\n  height = _ref2.height,\n  layout = _ref2.layout,\n  innerTagName = _ref2.innerTagName,\n  outerTagName = _ref2.outerTagName,\n  width = _ref2.width;\n  var
instance = _ref3.instance;\n  if (process.env.NODE_ENV !== 'production') {\n    if (innerTagName !== null ||
outerTagName !== null) {\n      if (devWarningsTagName$1 && !devWarningsTagName$1.has(instance)) {\n
devWarningsTagName$1.add(instance);\n      console.warn('The innerTagName and outerTagName props have
been deprecated. ' + 'Please use the innerElementType and outerElementType props instead.');

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{\n  index += interval;\n  interval *= 2;\n }\n\n return findNearestItemBinarySearch$(props, instanceProps,
Math.min(index, itemCount - 1), Math.floor(index / 2), offset);\n};\n\nvar getEstimatedTotalSize = function
getEstimatedTotalSize(_ref2, _ref3) {\n  var itemCount = _ref2.itemCount;\n  var itemMetadataMap =
_ref3.itemMetadataMap,\n  estimatedItemSize = _ref3.estimatedItemSize,\n  lastMeasuredIndex =
_ref3.lastMeasuredIndex;\n  var totalSizeOfMeasuredItems = 0; // Edge case check for when the number of items
decreases while a scroll is in progress.\n // https://github.com/bvaughn/react-window/pull/138\n\n if
(lastMeasuredIndex >= itemCount) {\n  lastMeasuredIndex = itemCount - 1;\n }\n\n if (lastMeasuredIndex >= 0)
{\n  var itemMetadata = itemMetadataMap[lastMeasuredIndex];\n  totalSizeOfMeasuredItems =
itemMetadata.offset + itemMetadata.size;\n }\n\n var numUnmeasuredItems = itemCount - lastMeasuredIndex -
1;\n  var totalSizeOfUnmeasuredItems = numUnmeasuredItems * estimatedItemSize;\n  return
totalSizeOfMeasuredItems + totalSizeOfUnmeasuredItems;\n};\n\nvar VariableSizeList
=\n/*#__PURE__*/\ncreateListComponent({\n  getItemOffset: function getItemOffset(props, index, instanceProps)
{\n  return getItemMetadata$(props, index, instanceProps).offset;\n },\n  getItemSize: function
getItemSize(props, index, instanceProps) {\n  return instanceProps.itemMetadataMap[index].size;\n },\n
getEstimatedTotalSize: getEstimatedTotalSize,\n  getOffsetForIndexAndAlignment: function
getOffsetForIndexAndAlignment(props, index, align, scrollOffset, instanceProps) {\n  var direction =
props.direction,\n  height = props.height,\n  layout = props.layout,\n  width = props.width; // TODO
Deprecate direction \"horizontal\"\n\n var isHorizontal = direction === 'horizontal' || layout === 'horizontal';\n
var size = isHorizontal ? width : height;\n  var itemMetadata = getItemMetadata$(props, index, instanceProps); //
Get estimated total size after ItemMetadata is computed,\n // To ensure it reflects actual measurements instead of
just estimates.\n\n var estimatedTotalSize = getEstimatedTotalSize(props, instanceProps);\n  var maxOffset =
Math.max(0, Math.min(estimatedTotalSize - size, itemMetadata.offset));\n  var minOffset = Math.max(0,
itemMetadata.offset - size + itemMetadata.size);\n\n if (align === 'smart') {\n  if (scrollOffset >= minOffset -
size && scrollOffset <= maxOffset + size) {\n  align = 'auto';\n } else {\n  align = 'center';\n }\n
}\n\n switch (align) {\n  case 'start':\n    return maxOffset;\n\n  case 'end':\n    return minOffset;\n\n
case 'center':\n    return Math.round(minOffset + (maxOffset - minOffset) / 2);\n\n  case 'auto':\n    default:\n
if (scrollOffset >= minOffset && scrollOffset <= maxOffset) {\n    return scrollOffset;\n  } else if
(scrollOffset < minOffset) {\n    return minOffset;\n  } else {\n    return maxOffset;\n  }\n\n }\n },\n
getStartIndexForOffset: function getStartIndexForOffset(props, offset, instanceProps) {\n  return
findNearestItem$(props, instanceProps, offset);\n },\n  getStopIndexForStartIndex: function
getStopIndexForStartIndex(props, startIndex, scrollOffset, instanceProps) {\n  var direction = props.direction,\n
height = props.height,\n  itemCount = props.itemCount,\n  layout = props.layout,\n  width = props.width;\n
// TODO Deprecate direction \"horizontal\"\n\n var isHorizontal = direction === 'horizontal' || layout ===
'horizontal';\n  var size = isHorizontal ? width : height;\n  var itemMetadata = getItemMetadata$(props,
startIndex, instanceProps);\n  var maxOffset = scrollOffset + size;\n  var offset = itemMetadata.offset +
itemMetadata.size;\n  var stopIndex = startIndex;\n\n while (stopIndex < itemCount - 1 && offset < maxOffset)
{\n  stopIndex++;\n  offset += getItemMetadata$(props, stopIndex, instanceProps).size;\n }\n\n return
stopIndex;\n },\n  initInstanceProps: function initInstanceProps(props, instance) {\n  var _ref4 = props,\n
estimatedItemSize = _ref4.estimatedItemSize;\n  var instanceProps = {\n  itemMetadataMap: {},\n
estimatedItemSize: estimatedItemSize || DEFAULT_ESTIMATED_ITEM_SIZE$, \n  lastMeasuredIndex: -1\n
};\n\n instance.resetAfterIndex = function (index, shouldForceUpdate) {\n  if (shouldForceUpdate === void 0)
{\n  shouldForceUpdate = true;\n }\n\n instanceProps.lastMeasuredIndex =
Math.min(instanceProps.lastMeasuredIndex, index - 1); // We could potentially optimize further by only evicting
styles after this index,\n // But since styles are only cached while scrolling is in progress-\n // It seems an
unnecessary optimization.\n // It's unlikely that resetAfterIndex() will be called while a user is scrolling.\n\n
instance._getItemStyleCache(-1);\n\n if (shouldForceUpdate) {\n  instance.forceUpdate();\n }\n }; \n\n
return instanceProps;\n },\n  shouldResetStyleCacheOnItemSizeChange: false,\n  validateProps: function
validateProps(_ref5) {\n  var itemSize = _ref5.itemSize;\n\n if (process.env.NODE_ENV !== 'production') {\n

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if (typeof itemSize !== 'function') {\n    throw Error('An invalid \''itemSize\' prop has been specified. ' + 'Value\n    should be a function. ' + (\""\" + (itemSize === null ? 'null' : typeof itemSize) + \"\" was specified.\\n));\n    }\n    }\n});\n\nvar FixedSizeGrid =\n__PURE__\ncreateGridComponent({\n  getColumnOffset: function\n  getColumnOffset(_ref, index) {\n    var columnWidth = _ref.columnWidth;\n    return index * columnWidth;\n  },\n  getColumnWidth: function getColumnWidth(_ref2, index) {\n    var columnWidth = _ref2.columnWidth;\n    return\n    columnWidth;\n  },\n  getRowOffset: function getRowOffset(_ref3, index) {\n    var rowHeight =\n    _ref3.rowHeight;\n    return index * rowHeight;\n  },\n  getRowHeight: function getRowHeight(_ref4, index) {\n    var\n    rowHeight = _ref4.rowHeight;\n    return rowHeight;\n  },\n  getEstimatedTotalHeight: function\n  getEstimatedTotalHeight(_ref5) {\n    var rowCount = _ref5.rowCount,\n        rowHeight = _ref5.rowHeight;\n    return rowHeight * rowCount;\n  },\n  getEstimatedTotalWidth: function\n  getEstimatedTotalWidth(_ref6) {\n    var\n    columnCount = _ref6.columnCount,\n        columnWidth = _ref6.columnWidth;\n    return columnWidth *\n    columnCount;\n  },\n  getOffsetForColumnAndAlignment: function\n  getOffsetForColumnAndAlignment(_ref7,\n  columnIndex, align, scrollLeft, instanceProps, scrollbarSize) {\n    var\n    columnCount = _ref7.columnCount,\n        columnWidth = _ref7.columnWidth,\n        width = _ref7.width;\n    var\n    lastColumnOffset = Math.max(0,\n    columnCount * columnWidth - width);\n    var\n    maxOffset = Math.min(lastColumnOffset, columnIndex *\n    columnWidth);\n    var\n    minOffset = Math.max(0, columnIndex * columnWidth - width + scrollbarSize +\n    columnWidth);\n\n    if (align === 'smart') {\n      if (scrollLeft >= minOffset - width && scrollLeft <= maxOffset +\n      width) {\n        align = 'auto';\n      } else {\n        align = 'center';\n      }\n    }\n\n    switch (align) {\n      case\n      'start':\n        return maxOffset;\n      case\n      'end':\n        return minOffset;\n      case\n      'center':\n        // \"Centered\"\n        offset is usually the average of the min and max.\n        // But near the edges of the list, this doesn't hold true.\n        var\n        middleOffset = Math.round(minOffset + (maxOffset - minOffset) / 2);\n        if (middleOffset <\n        Math.ceil(width / 2)) {\n          return 0; // near the beginning\n        } else if (middleOffset > lastColumnOffset +\n        Math.floor(width / 2)) {\n          return lastColumnOffset; // near the end\n        } else {\n          return\n          middleOffset;\n        }\n      case\n      'auto':\n        default:\n          if (scrollLeft >= minOffset && scrollLeft <=\n          maxOffset) {\n            return scrollLeft;\n          } else if (minOffset > maxOffset) {\n            // Because we only take\n            into account the scrollbar size when calculating minOffset\n            // this value can be larger than maxOffset when at\n            the end of the list\n            return minOffset;\n          } else if (scrollLeft < minOffset) {\n            return minOffset;\n          }\n        } else {\n          return maxOffset;\n        }\n    }\n  },\n  getOffsetForRowAndAlignment: function\n  getOffsetForRowAndAlignment(_ref8, rowIndex, align, scrollTop, instanceProps, scrollbarSize) {\n    var\n    rowHeight = _ref8.rowHeight,\n        height = _ref8.height,\n        rowCount = _ref8.rowCount;\n    var\n    lastRowOffset = Math.max(0, rowCount * rowHeight - height);\n    var\n    maxOffset = Math.min(lastRowOffset,\n    rowIndex * rowHeight);\n    var\n    minOffset = Math.max(0, rowIndex * rowHeight - height + scrollbarSize +\n    rowHeight);\n\n    if (align === 'smart') {\n      if (scrollTop >= minOffset - height && scrollTop <= maxOffset +\n      height) {\n        align = 'auto';\n      } else {\n        align = 'center';\n      }\n    }\n\n    switch (align) {\n      case\n      'start':\n        return maxOffset;\n      case\n      'end':\n        return minOffset;\n      case\n      'center':\n        // \"Centered\"\n        offset is usually the average of the min and max.\n        // But near the edges of the list, this doesn't hold true.\n        var\n        middleOffset = Math.round(minOffset + (maxOffset - minOffset) / 2);\n        if (middleOffset <\n        Math.ceil(height / 2)) {\n          return 0; // near the beginning\n        } else if (middleOffset > lastRowOffset +\n        Math.floor(height / 2)) {\n          return lastRowOffset; // near the end\n        } else {\n          return\n          middleOffset;\n        }\n      case\n      'auto':\n        default:\n          if (scrollTop >= minOffset && scrollTop <=\n          maxOffset) {\n            return\n            scrollTop;\n          } else if (minOffset > maxOffset) {\n            // Because we only take into account the scrollbar size\n            when calculating minOffset\n            // this value can be larger than maxOffset when at the end of the list\n            return\n            minOffset;\n          } else if (scrollTop < minOffset) {\n            return minOffset;\n          } else {\n            return\n            maxOffset;\n          }\n        }\n    }\n  },\n  getColumnStartIndexForOffset: function\n  getColumnStartIndexForOffset(_ref9,\n  scrollLeft) {\n    var\n    columnWidth = _ref9.columnWidth,\n        columnCount = _ref9.columnCount;\n    return\n    Math.max(0, Math.min(columnCount - 1, Math.floor(scrollLeft / columnWidth)));\n  },\n  getColumnStopIndexForStartIndex: function\n  getColumnStopIndexForStartIndex(_ref10, startIndex, scrollLeft) {\n    var\n    columnWidth = _ref10.columnWidth,\n        columnCount = _ref10.columnCount,\n        width =

```



```

    throw Error('An invalid \'itemSize\' prop has been specified. ' + 'Value should be a number. ' + (\'\'\'\'\' + (itemSize
=== null ? 'null' : typeof itemSize) + '\'\') was specified.');
```

<https://github.com/developit/preact-compat/blob/7c5de00e7c85e2ffd011bf3af02899b63f699d3a/src/index.js#L349>

```

function shallowDiffers(prev, next)
{
  for (var attribute in prev) {
    if (!(attribute in next)) {
      return true;
    }
  }
  for (var _attribute in next) {
    if (prev[_attribute] !== next[_attribute]) {
      return true;
    }
  }
  return false;
}
// It knows to compare individual style props and ignore the wrapper object.
// See https://reactjs.org/docs/react-api.html#reactmemo
function areEqual(prevProps, nextProps) {
  var prevStyle = prevProps.style,
  prevRest = _objectWithoutPropertiesLoose(prevProps, ['style']);
  var nextStyle = nextProps.style,
  nextRest = _objectWithoutPropertiesLoose(nextProps, ['style']);
  return !shallowDiffers(prevStyle, nextStyle)
  && !shallowDiffers(prevRest, nextRest);
}
// It knows to compare individual style props and ignore the wrapper object.
// See https://reactjs.org/docs/react-component.html#shouldcomponentupdate
function shouldComponentUpdate(nextProps, nextState) {
  return !areEqual(this.props, nextProps) ||
  shallowDiffers(this.state, nextState);
}
export { VariableSizeGrid, VariableSizeList, FixedSizeGrid,
FixedSizeList, areEqual, shouldComponentUpdate };
// # sourceMappingURL=index.esm.js.map
/**
 * Copyright (c) Meta Platforms, Inc. and affiliates.
 * This source code is licensed under the MIT license found
 in the LICENSE file in the root directory of this source tree.
 * @flow
 */
import escapeStringRegExp from 'escape-string-regexp';
import {meta} from '../hydration';
import {formatDataForPreview} from '../utils';
import isArray from 'react-devtools-shared/src/isArray';
import type {HooksTree} from 'react-debug-tools/src/ReactDebugHooks';
import $FlowFixMe[method-unbinding]
const hasOwnProperty =
Object.prototype.hasOwnProperty;
export function alphaSortEntries(
  entryA: [string, mixed],
  entryB: [string, mixed],
): number {
  const a = entryA[0];
  const b = entryB[0];
  if (String(+a) === a) {
    if (String(+b) !== b) {
      return -1;
    }
    return +a < +b ? -1 : 1;
  }
  export function createRegExp(string: string): RegExp {
    // Allow /regex/ syntax with optional last ^ if (string[0] === '/')
    // Cut off first slash
    string = string.slice(1);
    // Cut off last slash, but only if it's there
    if (string[string.length - 1] === '/') {
      string = string.slice(0, string.length - 1);
    }
    try {
      return new RegExp(string, 'i');
    } catch (err) {
      // Bad regex. Make it not match anything.
      // TODO: maybe warn in console?
      return new RegExp('.^');
    }
  }
  function isLetter(char: string) {
    return char.toLowerCase() !== char.toUpperCase();
  }
  function matchAnyCase(char: string) {
    if (!isLetter(char)) {
      // Don't mess with special characters like [
      return char;
    }
    return '[' + char.toLowerCase() + char.toUpperCase() + '];
  }
  // 'item' should match 'Item' and 'ListItem', but not 'InviteMom'.
  // To do this, we'll slice off 'tem' and check first letter separately.
  const escaped = escapeStringRegExp(string);
  const firstChar = escaped[0];
  let restRegex = '';
  // For 'item' input, restRegex becomes '[t][e][mM]'
  // We can't simply make it case-insensitive because first letter case matters.
  for (let i = 1; i < escaped.length; i++) {
    restRegex += matchAnyCase(escaped[i]);
  }
  if (!isLetter(firstChar)) {
    // We can't put a non-character like [ in a group
    // so we fall back to the simple case.
    return new RegExp(firstChar + restRegex);
  }
  // Construct a smarter regex.
  return new RegExp(
    // For example:
    // (^[iI][tT][eE][mM]
    // Matches:
    // 'Item'
    // 'ListItem'
    // but not 'InviteMom'
    '(' +
    matchAnyCase(firstChar) +
    '[' +
    firstChar.toUpperCase() +
    ']' +
    restRegex,
  );
}
export function getMetaValueLabel(data: Object): string | null {
  if (hasOwnProperty.call(data, meta.preview_long)) {
    return data[meta.preview_long];
  } else {
    return formatDataForPreview(data, true);
  }
}
function sanitize(data: Object): void {
  for (const key in data) {
    const value = data[key];
    if (value && value[meta.type]) {
      data[key] = getMetaValueLabel(value);
    } else if (value !== null) {
      if (isArray(value)) {
        sanitize(value);
      } else if (typeof value === 'object') {
        sanitize(value);
      }
    }
  }
}
export function serializeDataForCopy(props: Object): string {
  const cloned = Object.assign({}, props);
  sanitize(cloned);
  try {
    return JSON.stringify(cloned, null, 2);
  } catch (error) {
    return '';
  }
}
export function serializeHooksForCopy(hooks: HooksTree | null): string {
  // $FlowFixMe[not-an-object] `HooksTree is not an object`
  const cloned = Object.assign([], hooks);
  while

```



```

(queue.length > 0) {\n  const current = queue.pop();\n\n  // These aren't meaningful\n  delete current.id;\n  delete current.isStateEditable;\n\n  if (current.subHooks.length > 0) {\n    queue.push(...current.subHooks);\n  }\n}\n\nsanitize(cloned);\n\n try {\n  return JSON.stringify(cloned, null, 2);\n } catch (error) {\n  return ";\n }\n}\n\n// Keeping this in memory seems to be enough to enable the browser to download larger profiles.\n\n// Without this, we would see a \"Download failed: network error\" failure.\n\nlet downloadUrl = null;\n\nexport\nfunction downloadFile(\n  element: HTMLAnchorElement,\n  filename: string,\n  text: string,\n): void {\n  const\n  blob = new Blob([text], {type: 'text/plain;charset=utf-8'});\n\n  if (downloadUrl !== null) {\n    URL.revokeObjectURL(downloadUrl);\n  }\n\n  downloadUrl = URL.createObjectURL(blob);\n\n  element.setAttribute('href', downloadUrl);\n  element.setAttribute('download', filename);\n\n  element.click();\n}\n\nexport function truncateText(text: string, maxLength: number): string {\n  const {length} =\n  text;\n  if (length > maxLength) {\n    return (\n      text.slice(0, Math.floor(maxLength / 2)) +\n      '...' +\n      text.slice(length - Math.ceil(maxLength / 2) - 1)\n    );\n  } else {\n    return text;\n  }\n}\n\n\"/**\n * Copyright (c)\n * Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\n// This context combines tree/selection\nstate, search, and the owners stack.\n// These values are managed together because changes in one often impact the\nothers.\n// Combining them enables us to avoid cascading renders.\n\n// Changes to search state may impact tree\nstate.\n// For example, updating the selected search result also updates the tree's selected value.\n// Search does not\nfundamentally change the tree though.\n// It is also possible to update the selected tree value independently.\n\n// Changes to owners state mask search and tree values.\n// When owners stack is not empty, search is temporarily\ndisabled,\n// and tree values (e.g. num elements, selected element) are masked.\n// Both tree and search values are\nrestored when the owners stack is cleared.\n\n// For this reason, changes to the tree context are processed in\nsequence: tree -> search -> owners\n// This enables each section to potentially override (or mask) previous\nvalues.\n\nimport type {ReactContext} from 'shared/ReactTypes';\nimport * as React from 'react';\nimport {\n  createContext,\n  useCallback,\n  useContext,\n  useEffect,\n  useLayoutEffect,\n  useMemo,\n  useReducer,\n  useRef,\n  startTransition,\n} from 'react';\nimport {createRegExp} from '../utils';\nimport {BridgeContext,\n  StoreContext} from '../context';\nimport Store from '../store';\nimport type {Element} from './types';\n\nexport\n  type StateContext = {\n    // Tree\n    numElements: number,\n    ownerSubtreeLeafElementID: number | null,\n    selectedElementID: number | null,\n    selectedElementIndex: number | null,\n\n    // Search\n    searchIndex: number | null,\n    searchResults: Array<number>,\n    searchText: string,\n\n    // Owners\n    ownerID: number | null,\n    ownerFlatTree: Array<Element> | null,\n\n    // Inspection element panel\n    inspectedElementID: number | null,\n  };\n\n  type ACTION_GO_TO_NEXT_SEARCH_RESULT = {\n    type:\n    'GO_TO_NEXT_SEARCH_RESULT',\n  };\n\n  type ACTION_GO_TO_PREVIOUS_SEARCH_RESULT = {\n    type:\n    'GO_TO_PREVIOUS_SEARCH_RESULT',\n  };\n\n  type ACTION_HANDLE_STORE_MUTATION = {\n    type:\n    'HANDLE_STORE_MUTATION',\n    payload: [Array<number>, Map<number, number>],\n  };\n\n  type ACTION_RESET_OWNER_STACK = {\n    type: 'RESET_OWNER_STACK',\n  };\n\n  type ACTION_SELECT_CHILD_ELEMENT_IN_TREE = {\n    type:\n    'SELECT_CHILD_ELEMENT_IN_TREE',\n  };\n\n  type ACTION_SELECT_ELEMENT_AT_INDEX = {\n    type:\n    'SELECT_ELEMENT_AT_INDEX',\n    payload: number | null,\n  };\n\n  type ACTION_SELECT_ELEMENT_BY_ID = {\n    type: 'SELECT_ELEMENT_BY_ID',\n    payload: number | null,\n  };\n\n  type ACTION_SELECT_NEXT_ELEMENT_IN_TREE = {\n    type:\n    'SELECT_NEXT_ELEMENT_IN_TREE',\n  };\n\n  type ACTION_SELECT_NEXT_ELEMENT_WITH_ERROR_OR_WARNING_IN_TREE = {\n    type:\n    'SELECT_NEXT_ELEMENT_WITH_ERROR_OR_WARNING_IN_TREE',\n  };\n\n  type ACTION_SELECT_NEXT_SIBLING_IN_TREE = {\n    type: 'SELECT_NEXT_SIBLING_IN_TREE',\n  };\n\n  type ACTION_SELECT_OWNER = {\n    type: 'SELECT_OWNER',\n    payload: number,\n  };\n\n  type ACTION_SELECT_PARENT_ELEMENT_IN_TREE = {\n    type:\n    'SELECT_PARENT_ELEMENT_IN_TREE',\n  };\n\n  type ACTION_SELECT_PREVIOUS_ELEMENT_IN_TREE = {\n    type:\n    'SELECT_PREVIOUS_ELEMENT_IN_TREE',\n  };

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ACTION_SELECT_PREVIOUS_ELEMENT_WITH_ERROR_OR_WARNING_IN_TREE = {\n type:
'SELECT_PREVIOUS_ELEMENT_WITH_ERROR_OR_WARNING_IN_TREE',\n};\n\ntype
ACTION_SELECT_PREVIOUS_SIBLING_IN_TREE = {\n type:
'SELECT_PREVIOUS_SIBLING_IN_TREE',\n};\n\ntype
ACTION_SELECT_OWNER_LIST_NEXT_ELEMENT_IN_TREE = {\n type:
'SELECT_OWNER_LIST_NEXT_ELEMENT_IN_TREE',\n};\n\ntype
ACTION_SELECT_OWNER_LIST_PREVIOUS_ELEMENT_IN_TREE = {\n type:
'SELECT_OWNER_LIST_PREVIOUS_ELEMENT_IN_TREE',\n};\n\ntype ACTION_SET_SEARCH_TEXT = {\n
type: 'SET_SEARCH_TEXT',\n payload: string,\n};\n\ntype ACTION_UPDATE_INSPECTED_ELEMENT_ID =
{\n type: 'UPDATE_INSPECTED_ELEMENT_ID',\n};\n\ntype Action =\n |
ACTION_GO_TO_NEXT_SEARCH_RESULT\n | ACTION_GO_TO_PREVIOUS_SEARCH_RESULT\n |
ACTION_HANDLE_STORE_MUTATION\n | ACTION_RESET_OWNER_STACK\n |
ACTION_SELECT_CHILD_ELEMENT_IN_TREE\n | ACTION_SELECT_ELEMENT_AT_INDEX\n |
ACTION_SELECT_ELEMENT_BY_ID\n | ACTION_SELECT_NEXT_ELEMENT_IN_TREE\n |
ACTION_SELECT_NEXT_ELEMENT_WITH_ERROR_OR_WARNING_IN_TREE\n |
ACTION_SELECT_NEXT_SIBLING_IN_TREE\n | ACTION_SELECT_OWNER\n |
ACTION_SELECT_PARENT_ELEMENT_IN_TREE\n |
ACTION_SELECT_PREVIOUS_ELEMENT_IN_TREE\n |
ACTION_SELECT_PREVIOUS_ELEMENT_WITH_ERROR_OR_WARNING_IN_TREE\n |
ACTION_SELECT_PREVIOUS_SIBLING_IN_TREE\n |
ACTION_SELECT_OWNER_LIST_NEXT_ELEMENT_IN_TREE\n |
ACTION_SELECT_OWNER_LIST_PREVIOUS_ELEMENT_IN_TREE\n | ACTION_SET_SEARCH_TEXT\n |
ACTION_UPDATE_INSPECTED_ELEMENT_ID;\n\nexport type DispatcherContext = (action: Action) =>
void;\n\nconst TreeStateContext: ReactContext<StateContext> =\n createContext<StateContext>(((null: any):
StateContext));\nTreeStateContext.displayName = 'TreeStateContext';\n\nconst TreeDispatcherContext:
ReactContext<DispatcherContext> =\n createContext<DispatcherContext>(((null: any):
DispatcherContext));\nTreeDispatcherContext.displayName = 'TreeDispatcherContext';\n\ntype State = {\n //
Tree\n numElements: number,\n ownerSubtreeLeafElementID: number | null,\n selectedElementID: number |
null,\n selectedElementIndex: number | null,\n\n // Search\n searchIndex: number | null,\n searchResults:
Array<number>,\n searchText: string,\n\n // Owners\n ownerId: number | null,\n ownerFlatTree:
Array<Element> | null,\n\n // Inspection element panel\n inspectedElementID: number | null,\n};\n\nfunction
reduceTreeState(store: Store, state: State, action: Action): State {\n let {\n numElements,\n
ownerSubtreeLeafElementID,\n selectedElementIndex,\n selectedElementID,\n } = state;\n const ownerId =
state.ownerID;\n\n let lookupIDForIndex = true;\n\n // Base tree should ignore selected element changes when the
owner's tree is active.\n if (ownerID === null) {\n switch (action.type) {\n case
'HANDLE_STORE_MUTATION':\n numElements = store.numElements;\n\n // If the currently-selected
Element has been removed from the tree, update selection state.\n const removedIDs = action.payload[1];\n
// Find the closest parent that wasn't removed during this batch.\n // We deduce the parent-child mapping from
removedIDs (id -> parentID)\n // because by now it's too late to read them from the store.\n while (\n
selectedElementID !== null &&\n removedIDs.has(selectedElementID)\n ) {\n selectedElementID =
((removedIDs.get(\n selectedElementID,\n ): any): number);\n } \n if (selectedElementID ===
0) {\n // The whole root was removed.\n selectedElementIndex = null;\n } \n break;\n case
'SELECT_CHILD_ELEMENT_IN_TREE':\n ownerSubtreeLeafElementID = null;\n\n if
(selectedElementIndex !== null) {\n const selectedElement = store.getElementAtIndex(\n
((selectedElementIndex: any): number),\n );\n if (\n selectedElement !== null &&\n
selectedElement.children.length > 0 &&\n !selectedElement.isCollapsed\n ) {\n const
firstChildID = selectedElement.children[0];\n const firstChildIndex =
store.getIndexOfElementID(firstChildID);\n if (firstChildIndex !== null) {\n selectedElementIndex =

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firstChildIndex;\n      }\n      }\n      }\n      break;\n      case 'SELECT_ELEMENT_AT_INDEX':\n      ownerSubtreeLeafElementID = null;\n      selectedElementIndex = (action:\n      ACTION_SELECT_ELEMENT_AT_INDEX).payload;\n      break;\n      case 'SELECT_ELEMENT_BY_ID':\n      ownerSubtreeLeafElementID = null;\n      // Skip lookup in this case; it would be redundant.\n      // It might\n      also cause problems if the specified element was inside of a (not yet expanded) subtree.\n      lookupIDForIndex =\n      false;\n      selectedElementID = (action: ACTION_SELECT_ELEMENT_BY_ID).payload;\n      selectedElementIndex =\n      selectedElementID === null\n      ? null\n      :\n      store.getIndexOfElementID(selectedElementID);\n      break;\n      case\n      'SELECT_NEXT_ELEMENT_IN_TREE':\n      ownerSubtreeLeafElementID = null;\n      if (\n      selectedElementIndex === null ||\n      selectedElementIndex + 1 >= numElements\n      ) {\n      selectedElementIndex = 0;\n      } else {\n      selectedElementIndex++;\n      }\n      break;\n      case\n      'SELECT_NEXT_SIBLING_IN_TREE':\n      ownerSubtreeLeafElementID = null;\n      if\n      (selectedElementIndex !== null) {\n      const selectedElement = store.getElementAtIndex(\n      ((selectedElementIndex: any): number),\n      );\n      if (selectedElement !== null &&\n      selectedElement.parentID !== 0) {\n      const parent = store.getElementByID(selectedElement.parentID);\n      if (parent !== null) {\n      const {children} = parent;\n      const selectedChildIndex =\n      children.indexOf(selectedElement.id);\n      const nextChildID =\n      selectedChildIndex <\n      children.length - 1\n      ? children[selectedChildIndex + 1]\n      : children[0];\n      selectedElementIndex = store.getIndexOfElementID(nextChildID);\n      }\n      }\n      }\n      break;\n      case 'SELECT_OWNER_LIST_NEXT_ELEMENT_IN_TREE':\n      if (selectedElementIndex !== null) {\n      if (\n      ownerSubtreeLeafElementID !== null &&\n      ownerSubtreeLeafElementID !==\n      selectedElementID\n      ) {\n      const leafElement = store.getElementByID(ownerSubtreeLeafElementID);\n      if (leafElement !== null) {\n      let currentElement: null | Element = leafElement;\n      while\n      (currentElement !== null) {\n      if (currentElement.ownerID === selectedElementID) {\n      selectedElementIndex = store.getIndexOfElementID(\n      currentElement.id,\n      );\n      break;\n      } else if (currentElement.ownerID !== 0) {\n      currentElement =\n      store.getElementByID(currentElement.ownerID);\n      }\n      }\n      }\n      }\n      break;\n      case 'SELECT_OWNER_LIST_PREVIOUS_ELEMENT_IN_TREE':\n      if (selectedElementIndex\n      !== null) {\n      if (ownerSubtreeLeafElementID === null) {\n      // If this is the first time we're stepping\n      through the owners tree,\n      // pin the current component as the owners list leaf.\n      // This will enable us\n      to step back down to this component.\n      ownerSubtreeLeafElementID = selectedElementID;\n      }\n      const selectedElement = store.getElementAtIndex(\n      ((selectedElementIndex: any): number),\n      );\n      if (selectedElement !== null && selectedElement.ownerID !== 0) {\n      const ownerIndex =\n      store.getIndexOfElementID(\n      selectedElement.ownerID,\n      );\n      if (ownerIndex !== null) {\n      selectedElementIndex = ownerIndex;\n      }\n      }\n      }\n      break;\n      case\n      'SELECT_PARENT_ELEMENT_IN_TREE':\n      ownerSubtreeLeafElementID = null;\n      if\n      (selectedElementIndex !== null) {\n      const selectedElement = store.getElementAtIndex(\n      ((selectedElementIndex: any): number),\n      );\n      if (selectedElement !== null &&\n      selectedElement.parentID !== 0) {\n      const parentIndex = store.getIndexOfElementID(\n      selectedElement.parentID,\n      );\n      if (parentIndex !== null) {\n      selectedElementIndex =\n      parentIndex;\n      }\n      }\n      }\n      break;\n      case 'SELECT_PREVIOUS_ELEMENT_IN_TREE':\n      ownerSubtreeLeafElementID = null;\n      if (selectedElementIndex === null || selectedElementIndex === 0)\n      {\n      selectedElementIndex = numElements - 1;\n      } else {\n      selectedElementIndex--;\n      }\n      break;\n      case 'SELECT_PREVIOUS_SIBLING_IN_TREE':\n      ownerSubtreeLeafElementID = null;\n      if\n      (selectedElementIndex !== null) {\n      const selectedElement = store.getElementAtIndex(\n      ((selectedElementIndex: any): number),\n      );\n      if (selectedElement !== null &&\n      selectedElement.parentID !== 0) {\n      const parent = store.getElementByID(selectedElement.parentID);\n      if (parent !== null) {\n      const {children} = parent;\n      const selectedChildIndex =

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children.indexOf(selectedElement.id);\n        const nextChildID =\n        selectedChildIndex > 0\n? children[selectedChildIndex - 1]\n        : children[children.length - 1];\n        selectedElementIndex =\nstore.getIndexOfElementID(nextChildID);\n        }\n        }\n        break;\n    case\n'SELECT_PREVIOUS_ELEMENT_WITH_ERROR_OR_WARNING_IN_TREE': {\n    const\n    elementIndicesWithErrorsOrWarnings =\n        store.getElementsWithErrorsAndWarnings();\n    if\n    (elementIndicesWithErrorsOrWarnings.length === 0) {\n        return state;\n    }\n    let flatIndex = 0;\n    if (selectedElementIndex !== null) {\n        // Resume from the current position in the list.\n        // Otherwise step\n    to the previous item, relative to the current selection.\n        for (\n            let i =\n            elementIndicesWithErrorsOrWarnings.length - 1;\n            i >= 0;\n            i--\n        ) {\n            const {index} =\n            elementIndicesWithErrorsOrWarnings[i];\n            if (index >= selectedElementIndex) {\n                flatIndex = i;\n            } else {\n                break;\n            }\n        }\n        let prevEntry;\n        if (flatIndex === 0) {\n            prevEntry =\n            elementIndicesWithErrorsOrWarnings[\n            elementIndicesWithErrorsOrWarnings.length - 1\n            ];\n            selectedElementID = prevEntry.id;\n            selectedElementIndex = prevEntry.index;\n        } else {\n            prevEntry =\n            elementIndicesWithErrorsOrWarnings[flatIndex - 1];\n            selectedElementID = prevEntry.id;\n            selectedElementIndex = prevEntry.index;\n        }\n        lookupIDForIndex = false;\n        break;\n    }\n    case\n'SELECT_NEXT_ELEMENT_WITH_ERROR_OR_WARNING_IN_TREE': {\n    const\n    elementIndicesWithErrorsOrWarnings =\n        store.getElementsWithErrorsAndWarnings();\n    if\n    (elementIndicesWithErrorsOrWarnings.length === 0) {\n        return state;\n    }\n    let flatIndex = -1;\n    if (selectedElementIndex !== null) {\n        // Resume from the current position in the list.\n        // Otherwise step\n    to the next item, relative to the current selection.\n        for (let i = 0; i <\n            elementIndicesWithErrorsOrWarnings.length; i++) {\n            const {index} =\n            elementIndicesWithErrorsOrWarnings[i];\n            if (index <= selectedElementIndex) {\n                flatIndex = i;\n            } else {\n                break;\n            }\n        }\n        let nextEntry;\n        if (flatIndex >=\n            elementIndicesWithErrorsOrWarnings.length - 1) {\n            nextEntry = elementIndicesWithErrorsOrWarnings[0];\n            selectedElementID = nextEntry.id;\n            selectedElementIndex = nextEntry.index;\n        } else {\n            nextEntry = elementIndicesWithErrorsOrWarnings[flatIndex + 1];\n            selectedElementID = nextEntry.id;\n            selectedElementIndex = nextEntry.index;\n        }\n        lookupIDForIndex = false;\n        break;\n    }\n    default:\n        // React can bailout of no-op updates.\n        return state;\n    }\n}\n\n// Keep selected item ID and\nindex in sync.\nif (lookupIDForIndex && selectedElementIndex !== state.selectedElementIndex) {\n    if\n    (selectedElementIndex === null) {\n        selectedElementID = null;\n    } else {\n        selectedElementID =\n        store.getElementIDAtIndex(\n            ((selectedElementIndex: any): number),\n            );\n    }\n}\n\nreturn {\n    ...state,\n    numElements,\n    ownerSubtreeLeafElementID,\n    selectedElementIndex,\n    selectedElementID,\n};\n}\n\nfunction reduceSearchState(store: Store, state: State, action: Action): State {\n    let {\n        searchIndex,\n        searchResults,\n        searchText,\n        selectedElementID,\n        selectedElementIndex,\n    } = state;\n    const ownerID =\n    state.ownerID;\n    const prevSearchIndex = searchIndex;\n    const prevSearchText = searchText;\n    const\n    numPrevSearchResults = searchResults.length;\n\n    // We track explicitly whether search was requested because\n    // we might want to search even if search index didn't change.\n    // For example, if you press "next result" on a\n    search with a single\n    // result but a different current selection, we'll set this to true.\n    let didRequestSearch =\n    false;\n\n    // Search isn't supported when the owner's tree is active.\n    if (ownerID === null) {\n        switch\n        (action.type) {\n            case 'GO_TO_NEXT_SEARCH_RESULT':\n                if (numPrevSearchResults > 0) {\n                    didRequestSearch = true;\n                    searchIndex =\n                    // $FlowFixMe[unsafe-addition] addition with possible\n                    null/undefined value\n                    searchIndex + 1 < numPrevSearchResults ? searchIndex + 1 : 0;\n                }\n                break;\n            case 'GO_TO_PREVIOUS_SEARCH_RESULT':\n                if (numPrevSearchResults > 0) {\n                    didRequestSearch = true;\n                    searchIndex =\n                    ((searchIndex: any): number) > 0\n                    ?\n                    ((searchIndex: any): number) - 1\n                    : numPrevSearchResults - 1;\n                }\n                break;\n            case\n            'HANDLE_STORE_MUTATION':\n                if (searchText !== "") {\n                    const [addedElementIDs,\n                    removedElementIDs] =\n                    (action: ACTION_HANDLE_STORE_MUTATION).payload;\n                }\n            }\n        }\n    }\n}

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removedElementIDs.forEach((parentID, id) => {\n      // Prune this item from the search results.\n      const
index = searchResults.indexOf(id);\n      if (index >= 0) {\n      searchResults = searchResults\n
.slice(0, index)\n      .concat(searchResults.slice(index + 1));\n      // If the results are now empty, also
deselect things.\n      if (searchResults.length === 0) {\n      searchIndex = null;\n      } else if
(((searchIndex: any): number) >= searchResults.length) {\n      searchIndex = searchResults.length - 1;\n
    }\n    }\n  });\n  addedElementIDs.forEach(id => {\n    const element =
(store.getElementByID(id): any): Element);\n    // It's possible that multiple tree operations will fire before
this action has run.\n    // So it's important to check for elements that may have been added and then removed.\n
    if (element !== null) {\n      const {displayName} = element;\n      // Add this item to the search
results if it matches.\n      const regExp = createRegExp(searchText);\n      if (displayName !== null &&
regExp.test(displayName)) {\n      const newElementIndex = ((store.getIndexOfElementID(\n      id,\n
): any): number);\n      let foundMatch = false;\n      for (let index = 0; index <
searchResults.length; index++) {\n      const resultID = searchResults[index];\n      if (\n
newElementIndex <\n      ((store.getIndexOfElementID(resultID): any): number)\n      ) {\n
foundMatch = true;\n      searchResults = searchResults\n      .slice(0, index)\n
.concat(resultID)\n      .concat(searchResults.slice(index));\n      break;\n      }\n
}\n      if (!foundMatch) {\n      searchResults = searchResults.concat(id);\n      }\n
searchIndex = searchIndex === null ? 0 : searchIndex;\n      }\n    }\n  });\n  break;\n
case 'SET_SEARCH_TEXT':\n  searchIndex = null;\n  searchResults = [];\n  searchText = (action:
ACTION_SET_SEARCH_TEXT).payload;\n  if (searchText !== "") {\n    const regExp =
createRegExp(searchText);\n    store.roots.forEach(rootID => {\n      recursivelySearchTree(store, rootID,
regExp, searchResults);\n    });\n    if (searchResults.length > 0) {\n      if (prevSearchIndex === null) {\n
if (selectedElementIndex !== null) {\n      searchIndex = getNearestResultIndex(\n      store,\n
searchResults,\n      selectedElementIndex,\n      );\n      } else {\n      searchIndex =
0;\n      }\n      } else {\n      searchIndex = Math.min(\n      ((prevSearchIndex: any): number),\n
searchResults.length - 1,\n      );\n      }\n      }\n      break;\n      default:\n      // React
can bailout of no-op updates.\n      return state;\n    }\n  }\n  if (searchText !== prevSearchText) {\n    const
newSearchIndex = searchResults.indexOf(selectedElementID);\n    if (newSearchIndex === -1) {\n      // Only move
the selection if the new query\n      // doesn't match the current selection anymore.\n      didRequestSearch = true;\n
    } else {\n      // Selected item still matches the new search query.\n      // Adjust the index to reflect its position in
new results.\n      searchIndex = newSearchIndex;\n    }\n  }\n  if (didRequestSearch && searchIndex !== null) {\n
selectedElementID = ((searchResults[searchIndex]: any): number);\n    selectedElementIndex =
store.getIndexOfElementID(\n    ((selectedElementID: any): number),\n    );\n  }\n  return {\n    ...state,\n
selectedElementID,\n    selectedElementIndex,\n    searchIndex,\n    searchResults,\n    searchText,\n
};\n}\nfunction reduceOwnersState(store: Store, state: State, action: Action): State {\n  let {\n    numElements,\n
selectedElementID,\n    selectedElementIndex,\n    ownerID,\n    ownerFlatTree,\n  } = state;\n  const {searchIndex,
searchResults, searchText} = state;\n  let prevSelectedElementIndex = selectedElementIndex;\n  switch
(action.type) {\n    case 'HANDLE_STORE_MUTATION':\n      if (ownerID !== null) {\n        if
(!store.containsElement(ownerID)) {\n          ownerID = null;\n          ownerFlatTree = null;\n
selectedElementID = null;\n        } else {\n          ownerFlatTree = store.getOwnersListForElement(ownerID);\n
if (selectedElementID !== null) {\n          // Mutation might have caused the index of this ID to shift.\n
selectedElementIndex = ownerFlatTree.findIndex(\n          element => element.id === selectedElementID,\n
);\n          }\n          }\n        } else {\n          if (selectedElementID !== null) {\n          // Mutation might have caused the
index of this ID to shift.\n          selectedElementIndex = store.getIndexOfElementID(selectedElementID);\n          }\n
}\n          if (selectedElementIndex === -1) {\n          // If we couldn't find this ID after mutation, unselect it.\n
selectedElementIndex = null;\n          selectedElementID = null;\n          }\n          break;\n        case
'RESET_OWNER_STACK':\n          ownerID = null;\n          ownerFlatTree = null;\n          selectedElementIndex =\n
selectedElementID !== null\n          ? store.getIndexOfElementID(selectedElementID)\n          : null;\n          break;\n

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case 'SELECT_ELEMENT_AT_INDEX':\n  if (ownerFlatTree !== null) {\n    selectedElementIndex = (action:\n    ACTION_SELECT_ELEMENT_AT_INDEX).payload;\n  }\n  break;\n case\n'SELECT_ELEMENT_BY_ID':\n  if (ownerFlatTree !== null) {\n    const payload = (action:\n    ACTION_SELECT_ELEMENT_BY_ID).payload;\n    if (payload === null) {\n      selectedElementIndex =\n      null;\n    } else {\n      selectedElementIndex = ownerFlatTree.findIndex(\n      element => element.id ===\n      payload,\n    );\n    // If the selected element is outside of the current owners list,\n    // exit the list and\n    select the element in the main tree.\n    // This supports features like toggling Suspense.\n    if\n    (selectedElementIndex !== null && selectedElementIndex < 0) {\n      ownerID = null;\n      ownerFlatTree\n      = null;\n      selectedElementIndex = store.getIndexOfElementID(payload);\n    }\n  }\n  break;\n case 'SELECT_NEXT_ELEMENT_IN_TREE':\n  if (ownerFlatTree !== null &&\n  ownerFlatTree.length > 0) {\n    if (selectedElementIndex === null) {\n      selectedElementIndex = 0;\n    }\n    else if (selectedElementIndex + 1 < ownerFlatTree.length) {\n      selectedElementIndex++;\n    }\n  }\n  break;\n case 'SELECT_PREVIOUS_ELEMENT_IN_TREE':\n  if (ownerFlatTree !== null &&\n  ownerFlatTree.length > 0) {\n    if (selectedElementIndex !== null && selectedElementIndex > 0) {\n      selectedElementIndex--;\n    }\n  }\n  break;\n case 'SELECT_OWNER':\n  // If the Store doesn't have\n  any owners metadata, don't drill into an empty stack.\n  // This is a confusing user experience.\n  if\n  (store.hasOwnerMetadata) {\n    ownerID = (action: ACTION_SELECT_OWNER).payload;\n    ownerFlatTree = store.getOwnersListForElement(ownerID);\n    // Always force reset selection to be the top of\n    the new owner tree.\n    selectedElementIndex = 0;\n    prevSelectedElementIndex = null;\n  }\n  break;\n default:\n  // React can bailout of no-op updates.\n  return state;\n }\n // Changes in the selected owner\n require re-calculating the owners tree.\n if (\n  ownerFlatTree !== state.ownerFlatTree ||\n  action.type ===\n  'HANDLE_STORE_MUTATION'\n ) {\n  if (ownerFlatTree === null) {\n    numElements =\n    store.numElements;\n  } else {\n    numElements = ownerFlatTree.length;\n  }\n }\n // Keep selected item ID\n and index in sync.\n if (selectedElementIndex !== prevSelectedElementIndex) {\n  if (selectedElementIndex ===\n  null) {\n    selectedElementID = null;\n  } else {\n    if (ownerFlatTree !== null) {\n      selectedElementID =\n      ownerFlatTree[selectedElementIndex].id;\n    }\n  }\n }\n return {\n  ...state,\n  numElements,\n  selectedElementID,\n  selectedElementIndex,\n  searchIndex,\n  searchResults,\n  searchText,\n  ownerID,\n  ownerFlatTree,\n};\n\nfunction reduceSuspenseState(\n store: Store,\n state: State,\n action:\n Action,\n): State {\n  const {type} = action;\n  switch (type) {\n    case 'UPDATE_INSPECTED_ELEMENT_ID':\n      if (state.inspectedElementID !== state.selectedElementID) {\n        return {\n          ...state,\n          inspectedElementID: state.selectedElementID,\n        };\n      }\n      break;\n    default:\n      break;\n  }\n  // React\n  can bailout of no-op updates.\n  return state;\n}\n\ntype Props = {\n  children: React$Node,\n  // Used for\n  automated testing\n  defaultInspectedElementID?: ?number,\n  defaultOwnerID?: ?number,\n  defaultSelectedElementID?: ?number,\n  defaultSelectedElementIndex?: ?number,\n};\n\n// TODO Remove\n TreeContextController wrapper element once global Context.write API exists.\nfunction TreeContextController({\n children,\n defaultInspectedElementID,\n defaultOwnerID,\n defaultSelectedElementID,\n defaultSelectedElementIndex,\n}: Props): React.Node {\n  const bridge = useContext(BridgeContext);\n  const store\n  = useContext(StoreContext);\n  const initialRevision = useMemo(() => store.revision, [store]);\n  // This reducer\n  is created inline because it needs access to the Store.\n  // The store is mutable, but the Store itself is global and lives\n  for the lifetime of the DevTools,\n  // so it's okay for the reducer to have an empty dependencies array.\n  const\n  reducer = useMemo(\n    () => (\n      state: State, action: Action): State => {\n        const {type} = action;\n        switch (type) {\n          case 'GO_TO_NEXT_SEARCH_RESULT':\n            case\n            'GO_TO_PREVIOUS_SEARCH_RESULT':\n            case 'HANDLE_STORE_MUTATION':\n            case\n            'RESET_OWNER_STACK':\n            case 'SELECT_ELEMENT_AT_INDEX':\n            case\n            'SELECT_ELEMENT_BY_ID':\n            case 'SELECT_CHILD_ELEMENT_IN_TREE':\n            case\n            'SELECT_NEXT_ELEMENT_IN_TREE':\n            case\n            'SELECT_NEXT_ELEMENT_WITH_ERROR_OR_WARNING_IN_TREE':\n            case\n            'SELECT_NEXT_SIBLING_IN_TREE':\n            case 'SELECT_OWNER_LIST_NEXT_ELEMENT_IN_TREE':\n
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    case 'SELECT_OWNER_LIST_PREVIOUS_ELEMENT_IN_TREE':\n      case
'SELECT_PARENT_ELEMENT_IN_TREE':\n      case 'SELECT_PREVIOUS_ELEMENT_IN_TREE':\n
case 'SELECT_PREVIOUS_ELEMENT_WITH_ERROR_OR_WARNING_IN_TREE':\n      case
'SELECT_PREVIOUS_SIBLING_IN_TREE':\n      case 'SELECT_OWNER':\n      case
'UPDATE_INSPECTED_ELEMENT_ID':\n      case 'SET_SEARCH_TEXT':\n      state =
reduceTreeState(store, state, action);\n      state = reduceSearchState(store, state, action);\n      state =
reduceOwnersState(store, state, action);\n      state = reduceSuspenseState(store, state, action);\n\n      // If the
selected ID is in a collapsed subtree, reset the selected index to null.\n      // We'll know the correct index after
the layout effect will toggle the tree,\n      // and the store tree is mutated to account for that.\n      if (\n
state.selectedElementID !== null &&\n      store.isInsideCollapsedSubTree(state.selectedElementID)\n
)
{\n      return {\n      ...state,\n      selectedIndex: null,\n      };
}\n\nreturn state;\n      default:\n      throw new Error(`Unrecognized action "${type}"`);\n      },\n
[store],\n );\n\nconst [state, dispatch] = useReducer(reducer, {\n // Tree\n numElements: store.numElements,\n
ownerSubtreeLeafElementID: null,\n selectedElementID:\n defaultSelectedElementID == null ? null :
defaultSelectedElementID,\n selectedIndex:\n defaultSelectedElementIndex == null ? null :
defaultSelectedElementIndex,\n\n // Search\n searchIndex: null,\n searchResults: [],\n searchText: "",\n\n //
Owners\n ownerId: defaultOwnerId == null ? null : defaultOwnerId,\n ownerFlatTree: null,\n\n // Inspection
element panel\n inspectedElementID:\n defaultInspectedElementID == null ? null :
defaultInspectedElementID,\n });\n\nconst dispatchWrapper = useCallback(\n (action: Action) => {\n
dispatch(action);\n startTransition(() => {\n dispatch({type: 'UPDATE_INSPECTED_ELEMENT_ID'});\n
});\n },\n [dispatch],\n );\n\n// Listen for host element selections.\n useEffect(() => {\n const
handleSelectFiber = (id: number) =>\n dispatchWrapper({type: 'SELECT_ELEMENT_BY_ID', payload: id});\n
bridge.addListener('selectFiber', handleSelectFiber);\n return () => bridge.removeListener('selectFiber',
handleSelectFiber);\n }, [bridge, dispatchWrapper]);\n\n// If a newly-selected search result or inspection selection
is inside of a collapsed subtree, auto expand it.\n // This needs to be a layout effect to avoid temporarily flashing an
incorrect selection.\n const prevSelectedElementID = useRef<number | null>(null);\n useLayoutEffect(() => {\n
if (state.selectedElementID !== prevSelectedElementID.current) {\n prevSelectedElementID.current =
state.selectedElementID;\n\n if (state.selectedElementID !== null) {\n const element =
store.getElementByID(state.selectedElementID);\n if (element !== null && element.parentID > 0) {\n
store.toggleIsCollapsed(element.parentID, false);\n }\n }\n }, [state.selectedElementID, store]);\n\n//
Mutations to the underlying tree may impact this context (e.g. search results, selection state).\n useEffect(() => {\n
const handleStoreMutated = ([addedElementIDs, removedElementIDs]: [\n Array<number>,\n Map<number,
number>,\n ]) => {\n dispatchWrapper({\n type: 'HANDLE_STORE_MUTATION',\n payload:
[addedElementIDs, removedElementIDs],\n });\n };
\n // Since this is a passive effect, the tree may have
been mutated before our initial subscription.\n if (store.revision !== initialRevision) {\n // At the moment, we
can treat this as a mutation.\n // We don't know which Elements were newly added/removed, but that should be
okay in this case.\n // It would only impact the search state, which is unlikely to exist yet at this point.\n
dispatchWrapper({\n type: 'HANDLE_STORE_MUTATION',\n payload: [],\n });\n }\n\nstore.addListener('mutated', handleStoreMutated);\n\nreturn () => store.removeListener('mutated',
handleStoreMutated);\n }, [dispatchWrapper, initialRevision, store]);\n\nreturn (\n <TreeStateContext.Provider
value={state}>\n <TreeDispatcherContext.Provider value={dispatchWrapper}>\n {children}\n
</TreeDispatcherContext.Provider>\n </TreeStateContext.Provider>\n );\n\nfunction recursivelySearchTree(\n
store: Store,\n elementID: number,\n regExp: RegExp,\n searchResults: Array<number>,\n): void {\n const
{children, displayName, hocDisplayNames} = ((store.getElementByID(\n elementID,\n ): any): Element);\n\nif
(displayName !== null && regExp.test(displayName) === true) {\n searchResults.push(elementID);\n } else if (\n
hocDisplayNames !== null &&\n hocDisplayNames.length > 0 &&\n hocDisplayNames.some(name =>
regExp.test(name)) === true\n ) {\n searchResults.push(elementID);\n }\n\nchildren.forEach(childID =>\n
recursivelySearchTree(store, childID, regExp, searchResults),\n );\n\nfunction getNearestResultIndex(\n store:

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Store,\n searchResults: Array<number>,\n selectedIndex: number,\n): number {\n const index =
searchResults.findIndex(id => {\n const innerIndex = store.getIndexofElementID(id);\n return innerIndex !==
null && innerIndex >= selectedIndex;\n });\n\n return index === -1 ? 0 : index;\n}\n\nexport
{TreeDispatcherContext, TreeStateContext, TreeContextController};\n"/**\n * Copyright (c) Meta Platforms, Inc.
and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n * @flow\n */\n\nimport * as React from 'react';\nimport styles from
'./Icon.css';\n\nexport type IconType =\n | 'arrow'\n | 'bug'\n | 'code'\n | 'components'\n | 'copy'\n | 'error'\n |
'facebook'\n | 'flame-chart'\n | 'profiler'\n | 'ranked-chart'\n | 'timeline'\n | 'search'\n | 'settings'\n | 'store-as-global-
variable'\n | 'strict-mode-non-compliant'\n | 'warning';\n\nexport type Props = {\n className?: string,\n title?: string,\n
type: IconType,\n};\n\nexport default function Icon({\n className = "",\n title = "",\n type,\n}: Props): React.Node
{\n let pathData = null;\n switch (type) {\n case 'arrow':\n pathData = PATH_ARROW;\n break;\n case
'bug':\n pathData = PATH_BUG;\n break;\n case 'code':\n pathData = PATH_CODE;\n break;\n case
'components':\n pathData = PATH_COMPONENTS;\n break;\n case 'copy':\n pathData =
PATH_COPY;\n break;\n case 'error':\n pathData = PATH_ERROR;\n break;\n case 'facebook':\n
pathData = PATH_FACEBOOK;\n break;\n case 'flame-chart':\n pathData = PATH_FLAME_CHART;\n
break;\n case 'profiler':\n pathData = PATH_PROFILER;\n break;\n case 'ranked-chart':\n pathData =
PATH_RANKED_CHART;\n break;\n case 'timeline':\n pathData = PATH_SCHEDULING_PROFILER;\n
break;\n case 'search':\n pathData = PATH_SEARCH;\n break;\n case 'settings':\n pathData =
PATH_SETTINGS;\n break;\n case 'store-as-global-variable':\n pathData =
PATH_STORE_AS_GLOBAL_VARIABLE;\n break;\n case 'strict-mode-non-compliant':\n pathData =
PATH_STRICT_MODE_NON_COMPLIANT;\n break;\n case 'warning':\n pathData =
PATH_WARNING;\n break;\n default:\n console.warn(`Unsupported type \`${type}\` specified for
Icon`);\n break;\n }\n\n return (\n <svg\n xmlns="http://www.w3.org/2000/svg"\n
className={ `${styles.Icon} ${className} `}\n width="24"\n height="24"\n viewBox="0 0 24 24">\n
{title && <title>{title}</title>\n <path d="M0 0h24v24H0z" fill="none" />\n <path
fill="currentColor" d={pathData} />\n </svg>\n );\n\nconst PATH_ARROW = 'M8 5v14l11-7z';\nconst
PATH_BUG = '\n M20 8h-2.81c-.45-.78-1.07-1.45-1.82-1.96L17 4.41 15.59 3l-2.17 2.17C12.96 5.06 12.49 5 12
5c-.49\n 0-.96.06-1.41.17L8.41 3 7 4.41\n 1.62 1.63C7.88 6.55 7.26 7.22 6.81 8H4v2h2.09c-.05.33-.09.66-.09\n
1v1H4v2h2v1c0 .34.04.67.09 1H4v2h2.81c1.04 1.79 2.97 3 5.19 3s4.15-1.21\n 5.19-3H20v-2h-2.09c.05-.33.09-.
66.09-1v-1h2v-2h-2v-1c0-.34-.04-.67-.09-1H20V8zm-6 8h-4v-2h4v2zm0-4h-4v-2h4v2z';\n\nconst
PATH_CODE = '\n M9.4 16.6L4.8 12l4.6-4.6L8 6l-6 6 6 6 1.4-1.4zm5.2 0l4.6-4.6-4.6-4.6L16 6l6 6-6 6-1.4-1.4z'\n
);\n\nconst PATH_COMPONENTS = '\n M9.4 16.6L4.8 12l4.6-4.6L8 6l-6 6 6 6 1.4-1.4zm5.2 0l4.6-4.6-4.6-4.6L16
6l6 6-6 6-1.4-1.4z';\n\nconst PATH_COPY = '\n M3 13h2v-2H3v2zm0 4h2v-2H3v2zm2 4v-2H3a2 2 0 0 2 2zM3
9h2V7H3v2zm12 12h2v-2h-2v2zm4-18H9a2 2 0 0 0-2\n 2v10a2 2 0 0 2 2h10c1.1 0 2-.9 2-2V5c0-1.1-.9-2-2-
2zm0 12H9V5h10v10zm-8 6h2v-2h-2v2zm-4 0h2v-2H7v2z';\n\nconst PATH_ERROR = `M16.971 0h-9.942l-
7.029 7.029v9.941l7.029 7.03h9.941l7.03-7.029v-9.942l-7.029-7.029zm-1.402 16.945l-3.554-3.521-3.518 3.568-
1.418-1.418 3.507-3.566-3.586-3.472 1.418-1.417 3.581 3.458 3.539-3.583 1.431 1.431-3.535 3.568 3.566 3.522-
1.431 1.43z`;\n\nconst PATH_FACEBOOK = '\n M22,12c0-5.52-4.48-10-10-10S2,6.48,2,12c0,4.84,3.44,8.87,8,9.8V15H8v-3h2V9.5C10,7.57,11.57,6,13.5,6H16v3h-2 c-0.55,0-1,0.45-
1,1v2h3v3h-3v6.95C18.05,21.45,22,17.19,22,12z';\n\nconst PATH_FLAME_CHART = '\n
M10.0650893,21.5040462 C7.14020814,20.6850349 5,18.0558698 5,14.9390244 C5,14.017627\n 5,9.81707317
7.83333333,7.37804878 C7.83333333,7.37804878 7.58333333,11.199187 10,\n 10.6300813 C11.125,10.326087
13.0062497,7.63043487 8.91666667,2.5 C14.16666667,3.06910569\n 19,9.32926829 19,14.9390244
C19,18.0558698 16.8597919,20.6850349 13.9349107,21.5040462\n C14.454014,21.0118505
14.7765152,20.3233394 14.7765152,19.5613412 C14.7765152,17.2826087\n 12,15.0875871 12,15.0875871
C12,15.0875871 9.22348485,17.2826087 9.22348485,19.5613412\n C9.22348485,20.3233394
9.54598603,21.0118505 10.0650893,21.5040462 Z M12.0833333,20.6514763\n C11.3814715,20.6514763
10.8125,20.1226027 10.8125,19.4702042 C10.8125,18.6069669\n 12.0833333,16.9347829

```



```
12.0833333,16.9347829 C12.0833333,16.9347829 13.3541667,18.6069669\n 13.3541667,19.4702042
C13.3541667,20.1226027 12.7851952,20.6514763 12.0833333,20.6514763 Z\n`;\n\nconst PATH_PROFILER =
'M5 9.2h3V19H5zM10.6 5h2.8v14h-2.8zm5.6 8H19v6h-2.8z';\n\nconst PATH_SCHEDULING_PROFILER = \n
M19 3h-1V1h-2v2H8V1H6v2H5c-1.11 0-2 .9-2 2v14c0 1.1.89 2 2 2h14c1.1 0 2-.9 2-2V5c0-1.1-.9-2-2-2zm0\n
16H5V9h14v10zm0-12H5V5h14v2zM7 11h5v5H7z\n`;\n\nconst PATH_SEARCH = \n M15.5 14h-.79l-.28-
.27C15.41 12.59 16 11.11 16 9.5 16 5.91 13.09 3 9.5 3S3 5.91 3 9.5 5.91\n 16 9.5 16c1.61 0 3.09-.59 4.23-
1.57l.27.28v.79l5 4.99L20.49 19l-4.99-5zm-6 0C7.01 14 5 11.99\n 5 9.5S7.01 5 9.5 5 14 7.01 14 9.5 11.99 14 9.5
14z\n`;\n\nconst PATH_RANKED_CHART = 'M3 5h18v3H3zM3 10.5h13v3H3zM3 16h8v3H3z';\n\nconst
PATH_SETTINGS = \n M19.43 12.98c.04-.32.07-.64.07-.98s-.03-.66-.07-.98l2.11-1.65c.19-.15.24-.42.12-.64l-2-
3.46c-.12-.22-.39-.3-.61-.22l-2.49\n 1c-.52-.4-1.08-.73-1.69-.98l-.38-2.65C14.46 2.18 14.25 2 14 2h-4c-.25 0-
.46.18-.49.42l-.38\n 2.65c-.61.25-1.17.59-1.69.98l-2.49-1c-.23-.09-.49 0-.61.22l-2 3.46c-.13.22-.07.49.12.64l2.11\n
1.65c-.04.32-.07.65-.07.98s.03.66.07.98l-2.11 1.65c-.19.15-.24.42-.12.64l2 3.46c.12.22.39.3.61.22l2.49-1c.52.4\n
1.08.73 1.69.98l.38 2.65c.03.24.24.42.49.42h4c.25 0 .46-.18.49-.42l.38-2.65c.61-.25 1.17-.59 1.69-.98l2.49\n
1c.23.09.49 0 .61-.22l2-3.46c.12-.22.07-.49-.12-.64l-2.11-1.65zM12 15.5c-1.93 0-3.5-1.57-3.5-3.5s1.57-3.5\n
3.5 3.5 1.57 3.5 3.5-1.57 3.5-3.5 3.5z\n`;\n\nconst PATH_STORE_AS_GLOBAL_VARIABLE = \n M20 8h-
2.8l-45-.78-1.07-1.45-1.82-1.96L17 4.41 15.59 3l-2.17 2.17C12.96 5.06 12.49 5 12 5c-.49 0-.96.06-
1.41.17L8.41\n 3 7 4.41l1.62 1.63C7.88 6.55 7.26 7.22 6.81 8H4v2h2.09c-.05.33-.09.66-.09 1v1H4v2h2v1c0
.34.04.67.09 1H4v2h2.8l1c1.04\n 1.79 2.97 3 5.19 3s4.15-1.21 5.19-3H20v-2h-2.09c.05-.33.09-.66.09-1v-1h2v-2h-
2v-1c0-.34-.04-.67-.09-1H20V8zm-6\n 8h-4v-2h4v2zm0-4h-4v-2h4v2z\n`;\n\nconst
PATH_STRICT_MODE_NON_COMPLIANT = \n M4.47 21h15.06c1.54 0 2.5-1.67 1.73-3L13.73 4.99c-.77-
1.33-2.69-1.33-3.46 0L2.74 18c-.77 1.33.19 3 1.73 3zM12\n 14c-.55 0-1-.45-1-1v-2c0-.55.45-1 1-1s1 .45 1 1v2c0
.55-.45 1-1 1zm1 4h-2v-2h2v2z\n`;\n\nconst PATH_WARNING = `M12 11-12 22h24l-12-22zm-1 8h2v7h-2v-7zm1
11.25c-.69 0-1.25-.56-1.25-1.25s.56-1.25 1.25-1.25 1.25.56 1.25 1.25-1.25-1.25 1.25z`;\n","export const
CHANGE_LOG_URL =\n 'https://github.com/facebook/react/blob/main/packages/react-
devtools/CHANGELOG.md';\n\nexport const UNSUPPORTED_VERSION_URL =\n
'https://reactjs.org/blog/2019/08/15/new-react-devtools.html#how-do-i-get-the-old-version-back';\n\nexport const
REACT_DEVTOOLS_WORKPLACE_URL =\n 'https://fburl.com/react-devtools-workplace-group';\n\nimport
type {\n Theme,\n DisplayDensity,\n} from './devtools/views/Settings/SettingsContext';\n\nexport const
THEME_STYLES: {[style: Theme | DisplayDensity]: any, ...} = {\n light: {\n '--color-attribute-name':
'#ef6632',\n '--color-attribute-name-not-editable': '#23272f',\n '--color-attribute-name-inverted': 'rgba(255, 255,
255, 0.7)',\n '--color-attribute-value': '#1a1aa6',\n '--color-attribute-value-inverted': '#ffffff',\n '--color-attribute-
editable-value': '#1a1aa6',\n '--color-background': '#ffffff',\n '--color-background-hover': 'rgba(0, 136, 250,
0.1)',\n '--color-background-inactive': '#e5e5e5',\n '--color-background-invalid': '#fff0f0',\n '--color-
background-selected': '#0088fa',\n '--color-button-background': '#ffffff',\n '--color-button-background-focus':
'#ededed',\n '--color-button': '#5f6673',\n '--color-button-disabled': '#cfd1d5',\n '--color-button-active':
'#0088fa',\n '--color-button-focus': '#23272f',\n '--color-button-hover': '#23272f',\n '--color-border': '#eeeeee',\n
'--color-commit-did-not-render-fill': '#cfd1d5',\n '--color-commit-did-not-render-fill-text': '#000000',\n '--color-
commit-did-not-render-pattern': '#cfd1d5',\n '--color-commit-did-not-render-pattern-text': '#333333',\n '--color-
commit-gradient-0': '#37afa9',\n '--color-commit-gradient-1': '#63b19e',\n '--color-commit-gradient-2':
'#80b393',\n '--color-commit-gradient-3': '#97b488',\n '--color-commit-gradient-4': '#abb67d',\n '--color-
commit-gradient-5': '#beb771',\n '--color-commit-gradient-6': '#cfb965',\n '--color-commit-gradient-7':
'#dfba57',\n '--color-commit-gradient-8': '#efbb49',\n '--color-commit-gradient-9': '#febc38',\n '--color-commit-
gradient-text': '#000000',\n '--color-component-name': '#6a51b2',\n '--color-component-name-inverted':
'#ffffff',\n '--color-component-badge-background': 'rgba(0, 0, 0, 0.1)',\n '--color-component-badge-background-
inverted': 'rgba(255, 255, 255, 0.25)',\n '--color-component-badge-count': '#777d88',\n '--color-component-
badge-count-inverted': 'rgba(255, 255, 255, 0.7)',\n '--color-console-error-badge-text': '#ffffff',\n '--color-console-
error-background': '#fff0f0',\n '--color-console-error-border': '#ffd6d6',\n '--color-console-error-icon':
'#eb3941',\n '--color-console-error-text': '#fe2e31',\n '--color-console-warning-badge-text': '#000000',\n '--
```

```
color-console-warning-background': '#fffbe5',\n  '--color-console-warning-border': '#fff5c1',\n  '--color-console-warning-icon': '#f4bd00',\n  '--color-console-warning-text': '#64460c',\n  '--color-context-background': 'rgba(0,0,0,.9)',\n  '--color-context-background-hover': 'rgba(255, 255, 255, 0.1)',\n  '--color-context-background-selected': '#178fb9',\n  '--color-context-border': '#3d424a',\n  '--color-context-text': '#ffffff',\n  '--color-context-text-selected': '#ffffff',\n  '--color-dim': '#777d88',\n  '--color-dimmer': '#cfd1d5',\n  '--color-dimmest': '#eff0f1',\n  '--color-error-background': 'hsl(0, 100%, 97%)',\n  '--color-error-border': 'hsl(0, 100%, 92%)',\n  '--color-error-text': '#ff0000',\n  '--color-expand-collapse-toggle': '#777d88',\n  '--color-link': '#0000ff',\n  '--color-modal-background': 'rgba(255, 255, 255, 0.75)',\n  '--color-bridge-version-npm-background': '#eff0f1',\n  '--color-bridge-version-npm-text': '#000000',\n  '--color-bridge-version-number': '#0088fa',\n  '--color-primitive-hook-badge-background': '#e5e5e5',\n  '--color-primitive-hook-badge-text': '#5f6673',\n  '--color-record-active': '#fc3a4b',\n  '--color-record-hover': '#3578e5',\n  '--color-record-inactive': '#0088fa',\n  '--color-resize-bar': '#e5e5e5',\n  '--color-resize-bar-active': '#dcdcdc',\n  '--color-resize-bar-border': '#d1d1d1',\n  '--color-resize-bar-dot': '#333333',\n  '--color-timeline-internal-module': '#d1d1d1',\n  '--color-timeline-internal-module-hover': '#c9c9c9',\n  '--color-timeline-internal-module-text': '#444',\n  '--color-timeline-native-event': '#ccc',\n  '--color-timeline-native-event-hover': '#aaa',\n  '--color-timeline-network-primary': '#fc3dc',\n  '--color-timeline-network-primary-hover': '#f0e7d1',\n  '--color-timeline-network-secondary': '#efc457',\n  '--color-timeline-network-secondary-hover': '#e3ba52',\n  '--color-timeline-priority-background': '#f6f6f6',\n  '--color-timeline-priority-border': '#e5e5e5',\n  '--color-timeline-user-timing': '#c9c9c9',\n  '--color-timeline-user-timing-hover': '#93959a',\n  '--color-timeline-react-idle': '#d3e5f6',\n  '--color-timeline-react-idle-hover': '#c3d9ef',\n  '--color-timeline-react-render': '#9fc3f3',\n  '--color-timeline-react-render-hover': '#83afe9',\n  '--color-timeline-react-render-text': '#11365e',\n  '--color-timeline-react-commit': '#c88ff0',\n  '--color-timeline-react-commit-hover': '#b281d6',\n  '--color-timeline-react-commit-text': '#3e2c4a',\n  '--color-timeline-react-layout-effects': '#b281d6',\n  '--color-timeline-react-layout-effects-hover': '#9d71bd',\n  '--color-timeline-react-layout-effects-text': '#3e2c4a',\n  '--color-timeline-react-passive-effects': '#b281d6',\n  '--color-timeline-react-passive-effects-hover': '#9d71bd',\n  '--color-timeline-react-passive-effects-text': '#3e2c4a',\n  '--color-timeline-react-schedule': '#9fc3f3',\n  '--color-timeline-react-schedule-hover': '#2683E2',\n  '--color-timeline-react-suspense-rejected': '#f1cc14',\n  '--color-timeline-react-suspense-rejected-hover': '#ffdf37',\n  '--color-timeline-react-suspense-resolved': '#a6e59f',\n  '--color-timeline-react-suspense-resolved-hover': '#89d281',\n  '--color-timeline-react-suspense-unresolved': '#c9c9c9',\n  '--color-timeline-react-suspense-unresolved-hover': '#93959a',\n  '--color-timeline-thrown-error': '#ee1638',\n  '--color-timeline-thrown-error-hover': '#da1030',\n  '--color-timeline-text-color': '#000000',\n  '--color-timeline-text-dim-color': '#ccc',\n  '--color-timeline-react-work-border': '#e5e5e5',\n  '--color-search-match': 'yellow',\n  '--color-search-match-current': '#f7923b',\n  '--color-selected-tree-highlight-active': 'rgba(0, 136, 250, 0.1)',\n  '--color-selected-tree-highlight-inactive': 'rgba(0, 0, 0, 0.05)',\n  '--color-scroll-caret': 'rgba(150, 150, 150, 0.5)',\n  '--color-tab-selected-border': '#0088fa',\n  '--color-text': '#000000',\n  '--color-text-invalid': '#ff0000',\n  '--color-text-selected': '#ffffff',\n  '--color-toggle-background-invalid': '#fc3a4b',\n  '--color-toggle-background-on': '#0088fa',\n  '--color-toggle-background-off': '#cfd1d5',\n  '--color-toggle-text': '#ffffff',\n  '--color-warning-background': '#fb3655',\n  '--color-warning-background-hover': '#f82042',\n  '--color-warning-text-color': '#ffffff',\n  '--color-warning-text-color-inverted': '#fd4d69',\n  // The styles below should be kept in sync with 'root.css'\n  // They are repeated there because they're used by e.g. tooltips or context menus\n  // which get rendered outside of the DOM subtree (where normal theme/styles are written).\n  '--color-scroll-thumb': '#c2c2c2',\n  '--color-scroll-track': '#fafafa',\n  '--color-tooltip-background': 'rgba(0, 0, 0, 0.9)',\n  '--color-tooltip-text': '#ffffff',\n  },\n  dark: {\n    '--color-attribute-name': '#9d87d2',\n    '--color-attribute-name-not-editable': '#ededed',\n    '--color-attribute-name-inverted': '#282828',\n    '--color-attribute-value': '#cedae0',\n    '--color-attribute-value-inverted': '#ffffff',\n    '--color-attribute-editable-value': 'yellow',\n    '--color-background': '#282c34',\n    '--color-background-hover': 'rgba(255, 255, 255, 0.1)',\n    '--color-background-inactive': '#3d424a',\n    '--color-background-invalid': '#5c0000',\n    '--color-background-selected': '#178fb9',\n    '--color-button-background': '#282c34',\n    '--color-button-background-focus': '#3d424a',\n    '--color-button': '#afb3b9',\n    '--color-button-active': '#61dafb',\n    '--color-button-disabled': '#4f5766',\n    '--color-button-focus': '#a2e9fc',\n    '--color-button-hover': '#ededed',\n    '--color-border': '#3d424a',\n  },\n}
```

'--color-commit-did-not-render-fill': '#777d88',\n '--color-commit-did-not-render-fill-text': '#000000',\n '--color-commit-did-not-render-pattern': '#666c77',\n '--color-commit-did-not-render-pattern-text': '#ffffff',\n '--color-commit-gradient-0': '#37afa9',\n '--color-commit-gradient-1': '#63b19e',\n '--color-commit-gradient-2': '#80b393',\n '--color-commit-gradient-3': '#97b488',\n '--color-commit-gradient-4': '#abb67d',\n '--color-commit-gradient-5': '#beb771',\n '--color-commit-gradient-6': '#cfb965',\n '--color-commit-gradient-7': '#dfba57',\n '--color-commit-gradient-8': '#efbb49',\n '--color-commit-gradient-9': '#febc38',\n '--color-commit-gradient-text': '#000000',\n '--color-component-name': '#61dafb',\n '--color-component-name-inverted': '#282828',\n '--color-component-badge-background': 'rgba(255, 255, 255, 0.25)',\n '--color-component-badge-background-inverted': 'rgba(0, 0, 0, 0.25)',\n '--color-component-badge-count': '#8f949d',\n '--color-component-badge-count-inverted': 'rgba(255, 255, 255, 0.7)',\n '--color-console-error-badge-text': '#000000',\n '--color-console-error-background': '#290000',\n '--color-console-error-border': '#5c0000',\n '--color-console-error-icon': '#eb3941',\n '--color-console-error-text': '#fc7f7f',\n '--color-console-warning-badge-text': '#000000',\n '--color-console-warning-background': '#332b00',\n '--color-console-warning-border': '#665500',\n '--color-console-warning-icon': '#f4bd00',\n '--color-console-warning-text': '#f5f2ed',\n '--color-context-background': 'rgba(255,255,255,.95)',\n '--color-context-background-hover': 'rgba(0, 136, 250, 0.1)',\n '--color-context-background-selected': '#0088fa',\n '--color-context-border': '#eeeeee',\n '--color-context-text': '#000000',\n '--color-context-text-selected': '#ffffff',\n '--color-dim': '#8f949d',\n '--color-dimmer': '#777d88',\n '--color-dimmest': '#4f5766',\n '--color-error-background': '#200',\n '--color-error-border': '#900',\n '--color-error-text': '#f55',\n '--color-expand-collapse-toggle': '#8f949d',\n '--color-link': '#61dafb',\n '--color-modal-background': 'rgba(0, 0, 0, 0.75)',\n '--color-bridge-version-npm-background': 'rgba(0, 0, 0, 0.25)',\n '--color-bridge-version-npm-text': '#ffffff',\n '--color-bridge-version-number': 'yellow',\n '--color-primitive-hook-badge-background': 'rgba(0, 0, 0, 0.25)',\n '--color-primitive-hook-badge-text': 'rgba(255, 255, 255, 0.7)',\n '--color-record-active': '#fc3a4b',\n '--color-record-hover': '#a2e9fc',\n '--color-record-inactive': '#61dafb',\n '--color-resize-bar': '#282c34',\n '--color-resize-bar-active': '#31363f',\n '--color-resize-bar-border': '#3d424a',\n '--color-resize-bar-dot': '#cfd1d5',\n '--color-timeline-internal-module': '#303542',\n '--color-timeline-internal-module-hover': '#363b4a',\n '--color-timeline-internal-module-text': '#7f8899',\n '--color-timeline-native-event': '#b2b2b2',\n '--color-timeline-native-event-hover': '#949494',\n '--color-timeline-network-primary': '#fcf3dc',\n '--color-timeline-network-primary-hover': '#e3dbc5',\n '--color-timeline-network-secondary': '#efc457',\n '--color-timeline-network-secondary-hover': '#d6af4d',\n '--color-timeline-priority-background': '#1d2129',\n '--color-timeline-priority-border': '#282c34',\n '--color-timeline-user-timing': '#c9cacd',\n '--color-timeline-user-timing-hover': '#93959a',\n '--color-timeline-react-idle': '#3d485b',\n '--color-timeline-react-idle-hover': '#465269',\n '--color-timeline-react-render': '#2683E2',\n '--color-timeline-react-render-hover': '#1a76d4',\n '--color-timeline-react-render-text': '#11365e',\n '--color-timeline-react-commit': '#731fad',\n '--color-timeline-react-commit-hover': '#611b94',\n '--color-timeline-react-commit-text': '#e5c1ff',\n '--color-timeline-react-layout-effects': '#611b94',\n '--color-timeline-react-layout-effects-hover': '#51167a',\n '--color-timeline-react-layout-effects-text': '#e5c1ff',\n '--color-timeline-react-passive-effects': '#611b94',\n '--color-timeline-react-passive-effects-hover': '#51167a',\n '--color-timeline-react-passive-effects-text': '#e5c1ff',\n '--color-timeline-react-schedule': '#2683E2',\n '--color-timeline-react-schedule-hover': '#1a76d4',\n '--color-timeline-react-suspense-rejected': '#f1cc14',\n '--color-timeline-react-suspense-rejected-hover': '#e4c00f',\n '--color-timeline-react-suspense-resolved': '#a6e59f',\n '--color-timeline-react-suspense-resolved-hover': '#89d281',\n '--color-timeline-react-suspense-unresolved': '#c9cacd',\n '--color-timeline-react-suspense-unresolved-hover': '#93959a',\n '--color-timeline-thrown-error': '#fb3655',\n '--color-timeline-thrown-error-hover': '#f82042',\n '--color-timeline-text-color': '#282c34',\n '--color-timeline-text-dim-color': '#555b66',\n '--color-timeline-react-work-border': '#3d424a',\n '--color-search-match': 'yellow',\n '--color-search-match-current': '#f7923b',\n '--color-selected-tree-highlight-active': 'rgba(23, 143, 185, 0.15)',\n '--color-selected-tree-highlight-inactive': 'rgba(255, 255, 255, 0.05)',\n '--color-scroll-caret': '#4f5766',\n '--color-shadow': 'rgba(0, 0, 0, 0.5)',\n '--color-tab-selected-border': '#178fb9',\n '--color-text': '#ffffff',\n '--color-text-invalid': '#ff8080',\n '--color-text-selected': '#ffffff',\n '--color-toggle-background-invalid': '#fc3a4b',\n '--color-toggle-background-on': '#178fb9',\n '--color-toggle-background-off': '#777d88',\n

```

'--color-toggle-text': '#ffffff',\n  '--color-warning-background': '#ee1638',\n  '--color-warning-background-hover':
'#da1030',\n  '--color-warning-text-color': '#ffffff',\n  '--color-warning-text-color-inverted': '#ee1638',\n\n // The
styles below should be kept in sync with 'root.css'\n  // They are repeated there because they're used by e.g. tooltips
or context menus\n  // which get rendered outside of the DOM subtree (where normal theme/styles are written).\n
'--color-scroll-thumb': '#afb3b9',\n  '--color-scroll-track': '#313640',\n  '--color-tooltip-background': 'rgba(255, 255,
255, 0.95)',\n  '--color-tooltip-text': '#000000',\n  },\n  compact: {\n    '--font-size-monospace-small': '9px',\n    '--
font-size-monospace-normal': '11px',\n    '--font-size-monospace-large': '15px',\n    '--font-size-sans-small': '10px',\n
'--font-size-sans-normal': '12px',\n    '--font-size-sans-large': '14px',\n    '--line-height-data': '18px',\n  },\n
comfortable: {\n    '--font-size-monospace-small': '10px',\n    '--font-size-monospace-normal': '13px',\n    '--font-size-
monospace-large': '17px',\n    '--font-size-sans-small': '12px',\n    '--font-size-sans-normal': '14px',\n    '--font-size-
sans-large': '16px',\n    '--line-height-data': '22px',\n  },\n};\n\n// HACK\n\n// Sometimes the inline target is
rendered before root styles are applied,\n\n// which would result in e.g. NaN itemSize being passed to react-window
list.\n\nconst COMFORTABLE_LINE_HEIGHT: number = parseInt(\n  THEME_STYLES.comfortable['--line-
height-data'],\n  10,\n);\n\nconst COMPACT_LINE_HEIGHT: number = parseInt(\n  THEME_STYLES.compact['--
line-height-data'],\n  10,\n);\n\nexport { COMFORTABLE_LINE_HEIGHT,\n  COMPACT_LINE_HEIGHT};\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source
code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n *
@flow\n *^\n\nimport throttle from 'lodash.throttle';\nimport {\n  useCallback,\n  useEffect,\n  useLayoutEffect,\n
  useReducer,\n  useState,\n  useContext,\n} from 'react';\nimport {\n  localStorageGetItem,\n  localStorageSetItem,\n} from 'react-devtools-shared/src/storage';\nimport {StoreContext, BridgeContext} from
'./context';\nimport {sanitizeForParse, smartParse, smartStringify} from './utils';\n\ntype ACTION_RESET = {\n
type: 'RESET',\n  externalValue: any,\n};\n\ntype ACTION_UPDATE = {\n  type: 'UPDATE',\n  editableValue:
any,\n  externalValue: any,\n};\n\ntype UseEditableValueAction = ACTION_RESET | ACTION_UPDATE;\n\ntype
UseEditableValueDispatch = (action: UseEditableValueAction) => void;\n\ntype UseEditableValueState = {\n
  editableValue: any,\n  externalValue: any,\n  hasPendingChanges: boolean,\n  isValid: boolean,\n  parsedValue:
any,\n};\n\nfunction useEditableValueReducer(\n  state: UseEditableValueState,\n  action:
UseEditableValueAction,\n) {\n  switch (action.type) {\n    case 'RESET':\n      return {\n        ...state,\n
        editableValue: smartStringify(action.externalValue),\n        externalValue: action.externalValue,\n
        hasPendingChanges: false,\n        isValid: true,\n        parsedValue: action.externalValue,\n      };\n    case
'UPDATE':\n      let isNewValueValid = false;\n      let newParsedValue;\n      try {\n        newParsedValue =
smartParse(action.editableValue);\n        isNewValueValid = true;\n      } catch (error) {\n      }\n      return {\n
        ...state,\n        editableValue: sanitizeForParse(action.editableValue),\n        externalValue: action.externalValue,\n
        hasPendingChanges:\n          smartStringify(action.externalValue) !== action.editableValue,\n        isValid:
isNewValueValid,\n        parsedValue: isNewValueValid ? newParsedValue : state.parsedValue,\n      };\n    default:\n      throw new Error(`Invalid action "${action.type}"`);\n  }\n}\n\n// Convenience hook for working with
an editable value that is validated via JSON.parse.\n\nexport function useEditableValue(\n  externalValue: any,\n):
[UseEditableValueState, UseEditableValueDispatch] {\n  const [state, dispatch] = useReducer<\n
  UseEditableValueState,\n  UseEditableValueState,\n  UseEditableValueAction,\n  >(\n    useEditableValueReducer,\n
    {\n      editableValue: smartStringify(externalValue),\n      externalValue,\n      hasPendingChanges: false,\n      isValid:
true,\n      parsedValue: externalValue,\n    });\n  if (!Object.is(state.externalValue, externalValue)) {\n    if
(!state.hasPendingChanges) {\n      dispatch({\n        type: 'RESET',\n        externalValue,\n      });\n    } else {\n
      dispatch({\n        type: 'UPDATE',\n        editableValue: state.editableValue,\n        externalValue,\n      });\n    }\n  }\n\n  return [state, dispatch];\n}\n\nexport function useIsOverflowing(\n  containerRef: {current:
HTMLDivElement | null, ...},\n  totalChildWidth: number,\n): boolean {\n  const [isOverflowing, setIsOverflowing]
= useState<boolean>(false);\n\n  // It's important to use a layout effect, so that we avoid showing a flash of
overflowed content.\n  useLayoutEffect(() => {\n    if (containerRef.current === null) {\n      return () => {};\n    }\n\n    const container = ((containerRef.current: any): HTMLDivElement);\n\n    const handleResize = throttle(\n
    () => setOverflowing(container.clientWidth <= totalChildWidth),\n    100,\n  );\n\n  handleResize();\n\n  // It's

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important to listen to the ownerDocument.defaultView to support the browser extension.\n // Here we use portals
to render individual tabs (e.g. Profiler),\n // and the root document might belong to a different window.\n const
ownerWindow = container.ownerDocument.defaultView;\n ownerWindow.addEventListener('resize',
handleResize);\n return () => ownerWindow.removeEventListener('resize', handleResize);\n }, [containerRef,
totalChildWidth]);\n\n return isOverflowing;\n}\n\n// Forked from https://usehooks.com/useLocalStorage/\nexport
function useLocalStorage<T>(\n key: string,\n initialValue: T | (() => T),\n onValueSet?: (any, string) => void,\n):
[T, (value: T | (() => T)) => void] {\n const getValueFromLocalStorage = useCallback(() => {\n try {\n const
item = localStorage.getItem(key);\n if (item !== null) {\n return JSON.parse(item);\n }\n } catch (error)
{\n console.log(error);\n }\n if (typeof initialValue === 'function') {\n return ((initialValue: any): () =>
T)();\n } else {\n return initialValue;\n }\n }, [initialValue, key]);\n\n const [storedValue, setStoredValue] =
useState<any>(getValueFromLocalStorage);\n\n const setValue = useCallback(\n (value: $FlowFixMe) => {\n
try {\n const valueToStore =\n value instanceof Function ? (value: any)(storedValue) : value;\n
setStoredValue(valueToStore);\n localStorage.setItem(key, JSON.stringify(valueToStore));\n\n // Notify
listeners that this setting has changed.\n window.dispatchEvent(new Event(key));\n\n if (onValueSet !==
null) {\n onValueSet(valueToStore, key);\n }\n } catch (error) {\n console.log(error);\n }\n
},\n [key, storedValue],\n );\n\n // Listen for changes to this local storage value made from other windows.\n //
This enables the e.g. \" Elements\" tab to update in response to changes from \" Settings\".\n\n useLayoutEffect(() =>
{\n // $FlowFixMe[missing-local-annot]\n const onStorage = event => {\n const newValue =
getValueFromLocalStorage();\n if (key === event.key && storedValue !== newValue) {\n
setValue(newValue);\n }\n\n window.addEventListener('storage', onStorage);\n\n return () => {\n
window.removeEventListener('storage', onStorage);\n }\n }, [getValueFromLocalStorage, key, storedValue,
setValue]);\n\n return [storedValue, setValue];\n}\n\nexport function useModalDismissSignal(\n modalRef:
{current: HTMLDivElement | null, ...},\n dismissCallback: () => void,\n dismissOnClickOutside?: boolean =
true,\n): void {\n useEffect(() => {\n if (modalRef.current === null) {\n return () => {};\n }\n\n const
handleDocumentKeyDown = (event: any) => {\n if (event.key === 'Escape') {\n dismissCallback();\n }\n
};\n\n const handleDocumentClick = (event: any) => {\n if (\n modalRef.current !== null &&\n
!modalRef.current.contains(event.target)\n ) {\n event.stopPropagation();\n event.preventDefault();\n\n
dismissCallback();\n }\n\n };;\n\n let ownerDocument = null;\n\n // Delay until after the current call stack is
empty,\n // in case this effect is being run while an event is currently bubbling.\n // In that case, we don't want to
listen to the pre-existing event.\n let timeoutID: null | TimeoutID = setTimeout(() => {\n timeoutID = null;\n\n
// It's important to listen to the ownerDocument to support the browser extension.\n // Here we use portals to
render individual tabs (e.g. Profiler),\n // and the root document might belong to a different window.\n const
div = modalRef.current;\n if (div !== null) {\n ownerDocument = div.ownerDocument;\n
ownerDocument.addEventListener('keydown', handleDocumentKeyDown);\n if (dismissOnClickOutside) {\n
ownerDocument.addEventListener('click', handleDocumentClick, true);\n }\n\n }, 0);\n\n return ()
=> {\n if (timeoutID !== null) {\n clearTimeout(timeoutID);\n }\n\n if (ownerDocument !== null) {\n
ownerDocument.removeEventListener('keydown', handleDocumentKeyDown);\n
ownerDocument.removeEventListener('click', handleDocumentClick, true);\n }\n\n }, [modalRef,
dismissCallback, dismissOnClickOutside]);\n}\n\n// Copied from
https://github.com/facebook/react/pull/15022\nexport function useSubscription<Value>({\n getCurrentValue,\n
subscribe,\n}): {\n getCurrentValue: () => Value,\n subscribe: (callback: Function) => () => void,\n}: Value {\n
const [state, setState] = useState(() => ({\n getCurrentValue,\n subscribe,\n value: getCurrentValue(),\n
}));\n\n if (\n state.getCurrentValue !== getCurrentValue ||\n state.subscribe !== subscribe\n ) {\n setState({\n
getCurrentValue,\n subscribe,\n value: getCurrentValue(),\n });\n\n\n useEffect(() => {\n let
didUnsubscribe = false;\n\n const checkForUpdates = () => {\n if (didUnsubscribe) {\n return;\n }\n\n
setState(prevState => {\n if (\n prevState.getCurrentValue !== getCurrentValue ||\n
prevState.subscribe !== subscribe\n ) {\n return prevState;\n }\n\n const value =
getCurrentValue();\n if (prevState.value === value) {\n return prevState;\n }\n\n return

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{...prevState, value};\n  });\n  });\n  const unsubscribe = subscribe(checkForUpdates);\n  checkForUpdates();\n  return () => {\n    didUnsubscribe = true;\n    unsubscribe();\n  }; \n },\n [getCurrentValue, subscribe]);\n  return state.value;\n}\n\nexport function useHighlightNativeElement(): {\n  clearHighlightNativeElement: () => void,\n  highlightNativeElement: (id: number) => void,\n} {\n  const bridge =\n  useContext(BridgeContext);\n  const store = useContext(StoreContext);\n  const highlightNativeElement =\n  useCallback(\n    (id: number) => {\n      const element = store.getElementByID(id);\n      const rendererID =\n      store.getRendererIDForElement(id);\n      if (element !== null && rendererID !== null) {\n        bridge.send('highlightNativeElement', {\n          displayName: element.displayName,\n          hideAfterTimeout:\n          false,\n          id,\n          openNativeElementsPanel: false,\n          rendererID,\n          scrollIntoView: false,\n        });\n      }\n    },\n    [store, bridge],\n  );\n  const clearHighlightNativeElement = useCallback(() => {\n    bridge.send('clearNativeElementHighlight');\n  }, [bridge]);\n  return {\n    highlightNativeElement,\n    clearHighlightNativeElement,\n  }; \n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This\n * source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source\n * tree.\n * @flow\n */\n\nimport type {ReactContext} from 'shared/ReactTypes';\nimport * as React from\n'react';\nimport {\n  createContext,\n  useContext,\n  useEffect,\n  useLayoutEffect,\n  useMemo,\n} from\n'react';\nimport {\n  LOCAL_STORAGE_BROWSER_THEME,\n  LOCAL_STORAGE_PARSE_HOOK_NAMES_KEY,\n  LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS,\n  LOCAL_STORAGE_SHOULD_APPEND_COMPONENT_STACK_KEY,\n  LOCAL_STORAGE_TRACE_UPDATES_ENABLED_KEY,\n  LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY,\n  LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE,\n} from 'react-devtools-\nshared/src/constants';\nimport {\n  COMFORTABLE_LINE_HEIGHT,\n  COMPACT_LINE_HEIGHT,\n} from\n'react-devtools-shared/src/devtools/constants';\nimport {useLocalStorage} from './hooks';\nimport {BridgeContext}\nfrom './context';\nimport {logEvent} from 'react-devtools-shared/src/Logger';\nimport type {BrowserTheme}\nfrom 'react-devtools-shared/src/types';\nexport type DisplayDensity = 'comfortable' | 'compact';\nexport type\nTheme = 'auto' | 'light' | 'dark';\nexport type Context = {\n  displayDensity: DisplayDensity,\n  setDisplayDensity(value:\n  DisplayDensity): void,\n  // Derived from display density.\n  // Specified as a separate prop so it can trigger a re-\n  render of FixedSizeList.\n  lineHeight: number,\n  appendComponentStack: boolean,\n  setAppendComponentStack: (value: boolean) => void,\n  breakOnConsoleErrors: boolean,\n  setBreakOnConsoleErrors: (value: boolean) => void,\n  parseHookNames: boolean,\n  setParseHookNames:\n  (value: boolean) => void,\n  hideConsoleLogsInStrictMode: boolean,\n  setHideConsoleLogsInStrictMode: (value:\n  boolean) => void,\n  showInlineWarningsAndErrors: boolean,\n  setShowInlineWarningsAndErrors: (value:\n  boolean) => void,\n  theme: Theme,\n  setTheme(value: Theme): void,\n  browserTheme: Theme,\n  traceUpdatesEnabled: boolean,\n  setTraceUpdatesEnabled: (value: boolean) => void,\n};\n\nconst SettingsContext:\n  ReactContext<Context> = createContext<Context>(\n  ((null: any): Context),\n);\n\nSettingsContext.displayName =\n'SettingsContext';\n\nfunction useLocalStorageWithLog<T>(\n  key: string,\n  initialValue: T | (() => T),\n): [T,\n  (value: T | (() => T)) => void] {\n  return useLocalStorage<T>(key, initialValue, (v, k) => {\n    logEvent({\n      event_name: 'settings-changed',\n      metadata: {\n        source: 'localStorage setter',\n        key: k,\n        value: v,\n      },\n    });\n  });\n}\n\nexport type DocumentElements = Array<HTMLElement>;\nexport type Props = {\n  browserTheme:\n  BrowserTheme,\n  children: React$Node,\n  componentsPortalContainer?: Element,\n  profilerPortalContainer?:\n  Element,\n};\n\nfunction SettingsContextController({\n  browserTheme,\n  children,\n  componentsPortalContainer,\n  profilerPortalContainer,\n}: Props): React.Node {\n  const bridge =\n  useContext(BridgeContext);\n  const [displayDensity, setDisplayDensity] =\n  useLocalStorageWithLog<DisplayDensity>(\n    'React::DevTools::displayDensity',\n    'compact',\n  );\n  const\n  [theme, setTheme] = useLocalStorageWithLog<Theme>(\n    LOCAL_STORAGE_BROWSER_THEME,\n    'auto',\n  );\n  const [appendComponentStack, setAppendComponentStack] =\n  useLocalStorageWithLog<boolean>(\n
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LOCAL_STORAGE_SHOULD_APPEND_COMPONENT_STACK_KEY,\n true,\n );\n const
[breakOnConsoleErrors, setBreakOnConsoleErrors] =\n useLocalStorageWithLog<boolean>(\n
LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS,\n false,\n );\n const [parseHookNames,
setParseHookNames] = useLocalStorageWithLog<boolean>(\n
LOCAL_STORAGE_PARSE_HOOK_NAMES_KEY,\n false,\n );\n const [hideConsoleLogsInStrictMode,
setHideConsoleLogsInStrictMode] =\n useLocalStorageWithLog<boolean>(\n
LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE,\n false,\n );\n const
[showInlineWarningsAndErrors, setShowInlineWarningsAndErrors] =\n useLocalStorageWithLog<boolean>(\n
LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY,\n true,\n );\n const
[traceUpdatesEnabled, setTraceUpdatesEnabled] =\n useLocalStorageWithLog<boolean>(\n
LOCAL_STORAGE_TRACE_UPDATES_ENABLED_KEY,\n false,\n );\n\n const documentElements =
useMemo<DocumentElements>(() => {\n const array: Array<HTMLElement> = [\n
((document.documentElement: any): HTMLElement),\n ];\n if (componentsPortalContainer != null) {\n
array.push(\n ((componentsPortalContainer.ownerDocument\n .documentElement: any):
HTMLElement),\n );\n }\n if (profilerPortalContainer != null) {\n array.push(\n
((profilerPortalContainer.ownerDocument\n .documentElement: any): HTMLElement),\n );\n }\n return
array;\n }, [componentsPortalContainer, profilerPortalContainer]);\n\n useLayoutEffect(() => {\n switch
(displayDensity) {\n case 'comfortable':\n updateDisplayDensity('comfortable', documentElements);\n
break;\n case 'compact':\n updateDisplayDensity('compact', documentElements);\n break;\n default:\n
throw Error(`Unsupported displayDensity value \"${displayDensity}\"`);\n }\n }, [displayDensity,
documentElements]);\n\n useLayoutEffect(() => {\n switch (theme) {\n case 'light':\n
updateThemeVariables('light', documentElements);\n break;\n case 'dark':\n
updateThemeVariables('dark', documentElements);\n break;\n case 'auto':\n
updateThemeVariables(browserTheme, documentElements);\n break;\n default:\n throw
Error(`Unsupported theme value \"${theme}\"`);\n }\n }, [browserTheme, theme, documentElements]);\n\n
useEffect(() => {\n bridge.send('updateConsolePatchSettings', {\n appendComponentStack,\n
breakOnConsoleErrors,\n showInlineWarningsAndErrors,\n hideConsoleLogsInStrictMode,\n
browserTheme,\n });\n }, [\n bridge,\n appendComponentStack,\n breakOnConsoleErrors,\n
showInlineWarningsAndErrors,\n hideConsoleLogsInStrictMode,\n browserTheme,\n ]);\n\n useEffect(() =>
{\n bridge.send('setTraceUpdatesEnabled', traceUpdatesEnabled);\n }, [bridge, traceUpdatesEnabled]);\n\n const
value = useMemo(\n () => ({\n appendComponentStack,\n breakOnConsoleErrors,\n displayDensity,\n
lineHeight:\n displayDensity === 'compact'\n ? COMPACT_LINE_HEIGHT\n :
COMFORTABLE_LINE_HEIGHT,\n parseHookNames,\n setAppendComponentStack,\n
setBreakOnConsoleErrors,\n setDisplayDensity,\n setParseHookNames,\n setTheme,\n
setTraceUpdatesEnabled,\n setShowInlineWarningsAndErrors,\n showInlineWarningsAndErrors,\n
setHideConsoleLogsInStrictMode,\n hideConsoleLogsInStrictMode,\n theme,\n browserTheme,\n
traceUpdatesEnabled,\n })),\n [\n appendComponentStack,\n breakOnConsoleErrors,\n
displayDensity,\n parseHookNames,\n setAppendComponentStack,\n setBreakOnConsoleErrors,\n
setDisplayDensity,\n setParseHookNames,\n setTheme,\n setTraceUpdatesEnabled,\n
setShowInlineWarningsAndErrors,\n showInlineWarningsAndErrors,\n setHideConsoleLogsInStrictMode,\n
hideConsoleLogsInStrictMode,\n theme,\n browserTheme,\n traceUpdatesEnabled,\n ],\n );\n\n return
(\n <SettingsContext.Provider value={value}>\n {children}\n </SettingsContext.Provider>\n );\n\n\nexport
function updateDisplayDensity(\n displayDensity: DisplayDensity,\n documentElements: DocumentElements,\n):
void {\n // Sizes and paddings/margins are all rem-based,\n // so update the root font-size as well when the display
preference changes.\n const computedStyle = getComputedStyle((document.body: any));\n const fontSize =
computedStyle.getPropertyValue(\n `--${displayDensity}-root-font-size`,\n );\n const root =
((document.querySelector(':root'): any): HTMLElement);\n root.style.fontSize = fontSize;\n\n\nexport function
updateThemeVariables(\n theme: Theme,\n documentElements: DocumentElements,\n): void {\n // Update

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scrollbar color to match theme.\n // this CSS property is currently only supported in Firefox,\n // but it makes a significant UI improvement in dark mode.\n // https://developer.mozilla.org/en-US/docs/Web/CSS/scrollbar-color\n documentElements.forEach(documentElement => {\n // $FlowFixMe[prop-missing] scrollbarColor is missing in\n CSSStyleDeclaration\n documentElement.style.scrollbarColor = `var(${theme}-color-scroll-thumb`)\n var(`${theme}-color-scroll-track`);;\n });;\n\nexport {SettingsContext,\n SettingsContextController};;\n\n/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\nimport * as React from 'react';\nimport {Fragment} from 'react';\nimport styles from './Badge.css';\nimport type {ElementType} from 'react-devtools-shared/src/types';\nimport type Props = {\n className?: string,\n hocDisplayNames: Array<string> | null,\n type: ElementType,\n children:\n React$Node,\n};\n\nexport default function Badge({\n className,\n hocDisplayNames,\n type,\n children,\n Props):\n React.Node {\n if (hocDisplayNames === null || hocDisplayNames.length === 0) {\n return null;\n }\n\n const totalBadgeCount = hocDisplayNames.length;\n\n return (\n <Fragment>\n <div\n className={`\${styles.Badge} \${className || ``}`}>{children}</div>\n {totalBadgeCount > 1 && (\n <div\n className={styles.ExtraLabel}>+{totalBadgeCount - 1}</div>\n )}\n </Fragment>\n );;\n\n /**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found\n in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\nimport * as React from 'react';\nimport styles from './ButtonIcon.css';\nimport type IconType =\n | 'add'\n | 'cancel'\n | 'clear'\n | 'close'\n | 'collapsed'\n | 'copy'\n | 'delete'\n | 'down'\n | 'editor'\n | 'expanded'\n | 'export'\n | 'filter'\n | 'import'\n | 'log-data'\n | 'more'\n | 'next'\n | 'parse-hook-names'\n | 'previous'\n | 'record'\n | 'reload'\n | 'save'\n | 'search'\n | 'settings'\n | 'error'\n | 'suspend'\n | 'undo'\n | 'up'\n | 'view-dom'\n | 'view-source';\nimport type Props = {\n className?: string,\n type: IconType,\n};\n\nexport default function ButtonIcon({className = "", type}: Props):\n React.Node {\n let pathData = null;\n switch (type) {\n case 'add':\n pathData = PATH_ADD;\n break;\n case 'cancel':\n pathData = PATH_CANCEL;\n break;\n case 'clear':\n pathData = PATH_CLEAR;\n break;\n case 'close':\n pathData = PATH_CLOSE;\n break;\n case 'collapsed':\n pathData =\n PATH_COLLAPSED;\n break;\n case 'copy':\n pathData = PATH_COPY;\n break;\n case 'delete':\n pathData = PATH_DELETE;\n break;\n case 'down':\n pathData = PATH_DOWN;\n break;\n case 'editor':\n pathData = PATH_EDITOR;\n break;\n case 'expanded':\n pathData = PATH_EXPANDED;\n break;\n case 'export':\n pathData = PATH_EXPORT;\n break;\n case 'filter':\n pathData =\n PATH_FILTER;\n break;\n case 'import':\n pathData = PATH_IMPORT;\n break;\n case 'log-data':\n pathData = PATH_LOG_DATA;\n break;\n case 'more':\n pathData = PATH_MORE;\n break;\n case 'next':\n pathData = PATH_NEXT;\n break;\n case 'parse-hook-names':\n pathData =\n PATH_PARSE_HOOK_NAMES;\n break;\n case 'previous':\n pathData = PATH_PREVIOUS;\n break;\n case 'record':\n pathData = PATH_RECORD;\n break;\n case 'reload':\n pathData =\n PATH_RELOAD;\n break;\n case 'save':\n pathData = PATH_SAVE;\n break;\n case 'search':\n pathData = PATH_SEARCH;\n break;\n case 'settings':\n pathData = PATH_SETTINGS;\n break;\n case 'error':\n pathData = PATH_ERROR;\n break;\n case 'suspend':\n pathData = PATH_SUSPEND;\n break;\n case 'undo':\n pathData = PATH_UNDO;\n break;\n case 'up':\n pathData = PATH_UP;\n break;\n case 'view-dom':\n pathData = PATH_VIEW_DOM;\n break;\n case 'view-source':\n pathData =\n PATH_VIEW_SOURCE;\n break;\n default:\n console.warn(`Unsupported type \"\${type}\" specified for\n ButtonIcon`);\n break;\n }\n\n return (\n <svg\n xmlns="http://www.w3.org/2000/svg"\n className={`\${styles.ButtonIcon} \${className}`} \n width="24"\n height="24"\n viewBox="0 0 24\n 24">\n <path d="M0 0h24v24H0z" fill="none" />\n {typeof pathData === 'string' ? (\n <path\n fill="currentColor" d={pathData} />\n ) : (\n pathData\n )}\n </svg>\n );;\n\n const PATH_ADD\n =\n 'M12 2C6.48 2 2 6.48 2 12s4.48 10 10 10-4.48 10-10S17.52 2 12 2zm5 11h-4v4h-2v-4H7v-\n 2h4V7h2v4h4v2z';\n\n const PATH_CANCEL =\n '\n M19 6.41L17.59 5 12 10.59 6.41 5 5 6.41 10.59 12 5 17.59\n 6.41 19 12 13.41 17.59 19 19 17.59 13.41 12z';\n\n const PATH_CLEAR =\n '\n M12 2C6.48 2 2 6.48 2 12s4.48 10\n 10 10-4.48 10-10S17.52 2 12 2zM4 12c0-4.42 3.58-8 8-8 1.85 0 3.55.63 4.9 1.69L5.69\n 16.9C4.63 15.55 4
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13.85 4 12zm8 8c-1.85 0-3.55-.63-4.9-1.69L18.31 7.1C19.37 8.45 20 10.15 20 12c0 4.42-3.58 8-8 8z\n`;\n\nconst
PATH_CLOSE =\n 'M19 6.41L17.59 5 12 10.59 6.41 5 5 6.41 10.59 12 5 17.59 6.41 19 12 13.41 17.59 19 19 17.59
13.41 12z';\n\nconst PATH_COLLAPSED = 'M10 1715-5-5-5v10z';\n\nconst PATH_COPY = `\n M3 13h2v-
2H3v2zm0 4h2v-2H3v2zm2 4v-2H3a2 2 0 0 0 2 2zm3 9h2V7H3v2zm12 12h2v-2h-2v2zm4-18H9a2 2 0 0 0-2\n2v10a2 2 0 0 0 2 2h10c1.1 0 2-.9 2-2V5c0-1.1-.9-2-2-2zm0 12H9V5h10v10zm-8 6h2v-2h-2v2zm-4 0h2v-
2H7v2z\n`;\n\nconst PATH_DELETE = `\n M12 2C6.47 2 2 6.47 2 12s4.47 10 10 10 10-4.47 10-10S17.53 2 12
2zm5 13.59L15.59 17 12\n 13.41 8.41 17 7 15.59 10.59 12 7 8.41 8.41 7 12 10.59 15.59 7 17 8.41 13.41 12 17
15.59z\n`;\n\nconst PATH_DOWN = 'M7.41 8.59L12 13.1714.59-4.58L18 10l-6 6-6 1.41-1.41z';\n\nconst
PATH_EXPANDED = 'M7 10l5 5 5-5z';\n\nconst PATH_EXPORT = 'M15.82,2.14v7H21l-9,9L3,9.18H8.18v-
7ZM3,20.13H21v1.73H3Z';\n\nconst PATH_FILTER = 'M10 18h4v-2h-4v2zm3 6v2h18V6H3zm3 7h12v-
2H6v2z';\n\nconst PATH_IMPORT = 'M8.18,18.13v-7H3l9-8.95,9,9H15.82v7ZM3,20.13H21v1.73H3Z';\n\nconst
PATH_LOG_DATA = `\n M20 8h-2.81c-.45-.78-1.07-1.45-1.82-1.96L17 4.41 15.59 3l-2.17 2.17C12.96 5.06
12.49 5 12 5c-.49 0-.96.06-1.41.17L8.41\n 3 7 4.41l1.62 1.63C7.88 6.55 7.26 7.22 6.81 8H4v2h2.09c-.05.33-
.09.66-.09 1v1H4v2h2v1c0 .34.04.67.09 1H4v2h2.81c1.04\n 1.79 2.97 3 5.19 3s4.15-1.21 5.19-3H20v-2h-
2.09c.05-.33.09-.66.09-1v-1h2v-2h-2v-1c0-.34-.04-.67-.09-1H20V8zm-6\n 8h-4v-2h4v2zm0-4h-4v-
2h4v2z\n`;\n\nconst PATH_MORE = `\n M12 8c1.1 0 2-.9 2-2s-.9-2-2-2-.9-2 2 2zm0 2c-1.1 0-2 .9-2 2s.9\n2 2 2 2-.9 2-2-.9-2-2-2zm0 6c-1.1 0-2 .9-2 2s.9 2 2 2 2-.9 2-2-.9-2-2-2z\n`;\n\nconst PATH_NEXT = 'M12 4l-1.41
1.41L16.17 11H4v2h12.17l-5.58 5.59L12 20l8-8z';\n\nconst PATH_PARSE_HOOK_NAMES = (\n <g>\n
<polygon points="\n20,7 20.94,4.94 23,4 20.94,3.06 20,1 19.06,3.06 17,4 19.06,4.94\n"/>\n <polygon
points="\n8.5,7 9.44,4.94 11.5,4 9.44,3.06 8.5,1 7.56,3.06 5.5,4 7.56,4.94\n"/>\n <polygon points="\n20,12.5
19.06,14.56 17,15.5 19.06,16.44 20,18.5 20.94,16.44 23,15.5 20.94,14.56\n"/>\n <path d="\nM17.71,9.12l-2.83-
2.83C14.68,6.1,14.43,6,14.17,6c-0.26,0-0.51,0,1-0.71,0.29L2.29,17.46c-0.39,0.39-0.39,1.02,0,1.41
12.83,2.83C5.32,21.9,5.57,22,5.83,22s0.51-0.1,0.71-0.29l11.17-11.17C18.1,10.15,18.1,9.51,17.71,9.12z
M14.17,8.42l1.41,1.41 L14.41,11L13,9.59L14.17,8.42z M5.83,19.59l-1.41-1.41L11.59,11L13,12.41L5.83,19.59z\n"/>\n </g>\n`;\n\nconst PATH_PREVIOUS =\n 'M20 11H7.83l5.59-5.59L12 4l-8 8 8 1.41-1.41L7.83 13H20v-
2z';\n\nconst PATH_RECORD = 'M4,12a8,8 0 1,0 16,0a8,8 0 1,0 -16,0';\n\nconst PATH_RELOAD = `\n M17.65
6.35C16.2 4.9 14.21 4 12 4c-4.42 0-7.99 3.58-7.99 8s3.57 8 7.99 8c3.73 0\n 6.84-2.55 7.73-6h-2.08c-.82 2.33-3.04
4-5.65 4-3.31 0-6-2.69-6-6s2.69-6 6-6c1.66 0\n 3.14.69 4.22 1.78L13 11h7V4l-2.35 2.35z\n`;\n\nconst
PATH_SAVE = `\n M17 3H5c-1.11 0-2 .9-2 2v14c0 1.1.89 2 2 2h14c1.1 0 2-.9 2-2V7l-4-4zm-5 16c-1.66 0-3-1.34-
3-3s1.34-3 3-3 3 1.34 3 3-1.34 3-3 3zm3-10H5V5h10v4z\n`;\n\nconst PATH_SEARCH = `\n M8.5,22H3.7l-1.4-
1.5V3.8l1.3-1.5h17.2l1,1.5v4.9h-1.3V4.3l-0.4-0.6H4.2L3.6,4.3V20l0.7,0.7h4.2V22z\n M23,13.9l-4.6,3.6l4.6,4.6l-
1.1,1.1l-4.7-4.4l-3.3,4.4l-3.2-12.3L23,13.9z\n`;\n\nconst PATH_SETTINGS = `\n M19.43 12.98c.04-.32.07-.64.07-
.98s-.03-.66-.07-.98l2.11-1.65c.19-.15.24-.42.12-.64l-2-3.46c-.12-.22-.39-.3-.61-.22l-2.49\n 1c-.52-4-1.08-.73-
1.69-.98l-.38-2.65C14.46 2.18 14.25 2 14 2h-4c-.25 0-.46.18-.49.42l-.38\n 2.65c-.61.25-1.17.59-1.69.98l-2.49-1c-
.23-.09-.49 0-.61.22l-2 3.46c-.13.22-.07.49.12.64l2.11\n 1.65c-.04.32-.07.65-.07.98s.03.66.07.98l-2.11 1.65c-
.19.15-.24.42-.12.64l2 3.46c.12.22.39.3.61.22l-2.49-1c.52.4\n 1.08.73 1.69.98l.38 2.65c.03.24.24.42.49.42h4c.25 0
.46-.18.49-.42l.38-2.65c.61-.25 1.17-.59 1.69-.98l2.49\n 1c.23.09.49 0 .61-.22l-2-3.46c.12-.22.07-.49-.12-.64l-2.11-
1.65zM12 15.5c-1.93 0-3.5-1.57-3.5-3.5s1.57-3.5\n 3.5-3.5 3.5 1.57 3.5 3.5-1.57 3.5-3.5 3.5z\n`;\n\nconst
PATH_ERROR =\n 'M12 2C6.48 2 2 6.48 2 12s4.48 10 10 10 10-4.48 10-10S17.52 2 12 2zm1 15h-2v-2h2v2zm0-
4h-2V7h2v6z';\n\nconst PATH_SUSPEND = `\n M15 1H9v2h6V1zm-4 13h2V8h-2v6zm8.03-6.61l11.42-1.42c-.43-
.51-.9-.99-1.41-1.41l-1.42 1.42C16.07 4.74 14.12 4 12 4c-4.97\n 0-9 4.03-9 9s4.02 9 9 9-4.03 9-9c0-2.12-.74-
4.07-1.97-5.61zM12 20c-3.87 0-7-3.13-7-7s3.13-7 7-7 7 3.13 7 7-3.13 7-7 7z\n`;\n\nconst PATH_UNDO = `\n
M12.5 8c-2.65 0-5.05.99-6.9 2.6L2 7v9h9l-3.62-3.62c1.39-1.16 3.16-1.88 5.12-1.88\n 3.54 0 6.55 2.31 7.6
5.5l2.37-.78C21.08 11.03 17.15 8 12.5 8z\n`;\n\nconst PATH_UP = 'M7.41 15.41L12 10.83l4.59 4.58L18 14l-6-6-6
6z';\n\nconst PATH_VIEW_DOM = `\n M12 4.5C7 4.5 2.73 7.61 1 12c1.73 4.39 6 7.5 11 7.5s9.27-3.11 11-7.5c-
1.73-4.39-6-7.5-11-7.5zM12\n 17c-2.76 0-5-2.24-5-5s2.24-5 5-5 5-2.24 5-5 5zm0-8c-1.66 0-3 1.34-3
3s1.34 3 3 3\n 3-1.34 3-3-1.34-3-3z\n`;\n\nconst PATH_VIEW_SOURCE = `\n M9.4 16.6L4.8 12l4.6-4.6L8 6l-
6 6 6 1.4-1.4zm5.2 0l4.6-4.6-4.6-4.6L16 6l6 6-6 1.4-1.4z\n `;\n\nconst PATH_EDITOR = `\n M7

5h10v2h2V3c0-1.1-.9-1.99-2-1.99L7 1c-1.1 0-2 .9-2 2v4h2V5zm8.41 11.59L20 12l-4.59-4.59L14 8.83 17.17 12 14 15.17l1.41 1.42zM10 15.17L6.83 12 10 8.83 8.59 7.41 4 12l4.59 4.59L10 15.17zM17 19H7v-2H5v4c0 1.1.9 2 2h10c1.1 0 2-.9 2-2v-4h-2v2z\n`;\n",/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport * as React from 'react';\nimport {Fragment, useContext, useMemo, useState} from 'react';\nimport Store from 'react-devtools-shared/src/devtools/store';\nimport Badge from './Badge';\nimport ButtonIcon from './ButtonIcon';\nimport {createRegExp} from './utils';\nimport {TreeDispatcherContext, TreeStateContext} from './TreeContext';\nimport {SettingsContext} from './Settings/SettingsContext';\nimport {StoreContext} from './context';\nimport {useSubscription} from './hooks';\nimport {logEvent} from 'react-devtools-shared/src/Logger';\nimport type {ItemData} from './Tree';\nimport type {Element as ElementType} from './types';\nimport styles from './Element.css';\nimport Icon from './Icon';\n\nexport type Props = {\n data: ItemData,\n index: number,\n style: Object,\n ...}\n};\n\nexport default function Element({data, index, style}: Props): React.Node {\n const store = useContext(StoreContext);\n const {ownerFlatTree, ownerID, selectedElementID} =\n useContext(TreeStateContext);\n const dispatch = useContext(TreeDispatcherContext);\n const {showInlineWarningsAndErrors} = React.useContext(SettingsContext);\n const element =\n ownerFlatTree !== null\n ? ownerFlatTree[index]\n : store.getElementAtIndex(index);\n const [isHovered, setIsHovered] = useState(false);\n const {isNavigatingWithKeyboard, onElementMouseEnter, treeFocused} =\n data;\n const id = element === null ? null : element.id;\n const isSelected = selectedElementID === id;\n const errorsAndWarningsSubscription =\n useMemo(() => ({\n getCurrentValue: () => element === null\n ? {errorCount: 0, warningCount: 0}\n : store.getErrorAndWarningCountForElementID(element.id),\n subscribe: (callback: Function) => {\n store.addListener('mutated', callback);\n return () => store.removeListener('mutated', callback);\n },\n }), [store, element]);\n const {errorCount, warningCount} =\n useSubscription<{\n errorCount: number,\n warningCount: number,\n }>(errorsAndWarningsSubscription);\n const handleClick = () => {\n if (id !== null) {\n dispatch({type: 'SELECT_OWNER', payload: id});\n }\n }; // \$FlowFixMe[missing-local-annot]\n const handleClick = ({metaKey}) => {\n if (id !== null) {\n logEvent({\n event_name: 'select-element',\n metadata: {source: 'click-element'},\n });\n dispatch({\n type: 'SELECT_ELEMENT_BY_ID',\n payload: metaKey ? null : id,\n });\n }\n }; \n const onMouseEnter = () => {\n setIsHovered(true);\n if (id !== null) {\n onElementMouseEnter(id);\n }\n }; \n const onMouseLeave = () => {\n setIsHovered(false);\n }; \n // \$FlowFixMe[missing-local-annot]\n const handleKeyDoubleClick = event => {\n // Double clicks on key value are used for text selection (if the text has been truncated).\n // They should not enter the owners tree view.\n event.stopPropagation();\n event.preventDefault();\n }; \n // Handle elements that are removed from the tree while an async render is in progress.\n if (element === null) {\n console.warn(`<Element> Could not find element at index \${index}`);\n } \n // This return needs to happen after hooks, since hooks can't be conditional.\n return null;\n const {\n depth,\n displayName,\n hocDisplayNames,\n isStrictModeNonCompliant,\n key,\n type,\n } = (element: any): ElementType;\n // Only show strict mode non-compliance badges for top level elements.\n // Showing an inline badge for every element in the tree would be noisy.\n const showStrictModeBadge = isStrictModeNonCompliant && depth === 0;\n let className = styles.Element;\n if (isSelected) {\n className = treeFocused\n ? styles.SelectedElement\n : styles.InactiveSelectedElement;\n } else if (isHovered && !isNavigatingWithKeyboard) {\n className = styles.HoveredElement;\n }\n return (\n <div\n className={className}\n onMouseEnter={handleMouseEnter}\n onMouseLeave={handleMouseLeave}\n onClick={handleClick}\n onDoubleClick={handleDoubleClick}\n style={style}\n data-testname="ComponentTreeListItem"\n data-depth={depth}>\n /* This wrapper is used by Tree for measurement purposes. */\n <div\n className={styles.Wrapper}\n style={{\n // Left offset presents the appearance of a nested tree structure.\n // We must use padding rather than margin/left because of the selected background color.\n transform: `translateX(calc(\${depth} * var(--indentation-size)))`,\n }}>\n {ownerID === null ? (\n <ExpandCollapseToggle element={element} store={store} />\n) : null}\n <DisplayName

```

displayName={displayName} id={((id: any): number)} />\n      {key} && (\n        <Fragment>\n
      &nbsp;<span className={styles.KeyName}>key</span>=<span>\n
      className={styles.KeyValue}\n        title={key}\n        onClick={handleKeyDoubleClick}>\n
      {key}\n        </span>\n        </Fragment>\n      )\n    {hocDisplayNames !== null &&
hocDisplayNames.length > 0 ? (\n      <Badge\n        className={styles.Badge}\n
hocDisplayNames={hocDisplayNames}\n        type={type}>\n      <DisplayName\n
displayName={hocDisplayNames[0]}\n        id={((id: any): number)}\n      />\n    </Badge>\n  ) :
null)\n    {showInlineWarningsAndErrors && errorCount > 0 && (\n      <Icon\n        type="error"\n
className={\n          isSelected && treeFocused\n            ? styles.ErrorIconContrast\n          :
styles.ErrorIcon\n        }\n      />\n    )\n    {showInlineWarningsAndErrors && warningCount > 0 && (\n
      <Icon\n        type="warning"\n        className={\n          isSelected && treeFocused\n            ?
styles.WarningIconContrast\n          : styles.WarningIcon\n        }\n      />\n    )\n  }\n  {showStrictModeBadge && (\n    <Icon\n      className={\n        isSelected && treeFocused\n          ? styles.StrictModeContrast\n          : styles.StrictMode\n      }\n      title="This component is not running
in StrictMode." type="strict-mode-non-compliant" />\n    )\n  }</div>\n </div>\n
);\n\n// Prevent double clicks on toggle from drilling into the owner list.\n// $FlowFixMe[missing-local-
annot]\nconst swallowDoubleClick = event => {\n  event.preventDefault();\n  event.stopPropagation();\n};\n\ntype
ExpandCollapseToggleProps = {\n  element: ElementType,\n  store: Store,\n};\n\nfunction
ExpandCollapseToggle({element, store}: ExpandCollapseToggleProps) {\n  const {children, id, isCollapsed} =
element;\n\n  // $FlowFixMe[missing-local-annot]\n  const toggleCollapsed = event => {\n
  event.preventDefault();\n  event.stopPropagation();\n\n  store.toggleIsCollapsed(id, !isCollapsed);\n  };\n\n  //
$FlowFixMe[missing-local-annot]\n  const stopPropagation = event => {\n    // Prevent the row from selecting\n
  event.stopPropagation();\n  };\n\n  if (children.length === 0) {\n    return <div
className={styles.ExpandCollapseToggle} />\n  }\n\n  return (\n    <div\n
className={styles.ExpandCollapseToggle}\n      onMouseDown={stopPropagation}\n
      onClick={toggleCollapsed}\n      onDoubleClick={swallowDoubleClick}>\n      <ButtonIcon type={isCollapsed ?
'collapsed' : 'expanded'} />\n    </div>\n  );\n}\n\ntype DisplayNameProps = {\n  displayName: string | null,\n  id:
number,\n};\n\nfunction DisplayName({displayName, id}: DisplayNameProps) {\n  const {searchIndex,
searchResults, searchText} = useContext(TreeStateContext);\n  const isSearchResult = useMemo(() => {\n    return
searchResults.includes(id);\n  }, [id, searchResults]);\n  const isCurrentResult =\n    searchIndex !== null && id ===
searchResults[searchIndex];\n\n  if (!isSearchResult || displayName === null) {\n    return displayName;\n  }\n\n
  const match = createRegExp(searchText).exec(displayName);\n\n  if (match === null) {\n    return displayName;\n
  }\n\n  const startIndex = match.index;\n  const stopIndex = startIndex + match[0].length;\n\n  const children = [];\n
  if (startIndex > 0) {\n    children.push(<span key="begin">{displayName.slice(0, startIndex)}</span>);\n  }\n
  children.push(\n    <mark\n      key="middle"\n      className={isCurrentResult ? styles.CurrentHighlight :
styles.Highlight}>\n      {displayName.slice(startIndex, stopIndex)}\n    </mark>,\n  );\n  if (stopIndex <
displayName.length) {\n    children.push(<span key="end">{displayName.slice(stopIndex)}</span>);\n  }\n\n
  return children;\n}\n\n", "function canUseDOM() {\n  return !(typeof window !== "undefined" &&
window.document && window.document.createElement);\n}\n\nexport { canUseDOM };", "import {
useLayoutEffect, useEffect } from 'react';\nimport { canUseDOM } from '../can-use-dom/dist/reach-utils-can-use-
dom.esm.js';\n\n/**\n * React currently throws a warning when using useLayoutEffect on the server. To\n * get
around it, we can conditionally useEffect on the server (no-op) and\n * useLayoutEffect in the browser. We
occasionally need useLayoutEffect to\n * ensure we don't get a render flash for certain operations, but we may
also\n * need affected components to render on the server. One example is when setting\n * a component's
descendants to retrieve their index values.\n *\n * Important to note that using this hook as an escape hatch will
break the\n * eslint dependency warnings unless you rename the import to `useLayoutEffect`.\n * Use sparingly only
when the effect won't effect the rendered HTML to avoid\n * any server/client mismatch.\n *\n * If a
useLayoutEffect is needed and the result would create a mismatch, it's\n * likely that the component in question

```

shouldn't be rendered on the server at all, so a better approach would be to lazily render those in a parent component after client-side hydration.

<https://gist.github.com/gaearon/e7d97cdf38a2907924ea12e4ebdf3c85> <https://github.com/reduxjs/react-redux/blob/master/src/utils/useIsomorphicLayoutEffect.js>

```

@param effect
@param deps
useIsomorphicLayoutEffect = /*#__PURE__*/canUseDOM() ? useLayoutEffect : useEffect;
export { useIsomorphicLayoutEffect };
", "import { useState, useEffect } from 'react';
import { useIsomorphicLayoutEffect } from '@reach/utils/use-isomorphic-layout-effect';

Welcome to @reach/auto-id!

Let's see if we can make sense of why this hook exists and its implementation.

Some background:

1. Accessibility APIs rely heavily on element IDs
2. Requiring developers to put IDs on every element in Reach UI is both cumbersome and error-prone
3. With a component model, we can generate IDs for them!

Solution 1: Generate random IDs.

This works great as long as you don't server render your app. When React (in the client) tries to reuse the markup from the server, the IDs won't match and React will then recreate the entire DOM tree.

Solution 2: Increment an integer.

This sounds great. Since we're rendering the exact same tree on the server and client, we can increment a counter and get a deterministic result between client and server. Also, JS integers can go up to nine-quadrillion. I'm pretty sure the tab will be closed before an app ever needs 10 quadrillion IDs!

Problem solved, right?

Ah, but there's a catch! React's concurrent rendering makes this approach non-deterministic. While the client and server will end up with the same elements in the end, depending on suspense boundaries (and possibly some user input during the initial render) the incrementing integers won't always match up.

Solution 3: Don't use IDs at all on the server; patch after first render.

What we've done here is solution 2 with some tricks. With this approach, the ID returned is an empty string on the first render. This way the server and client have the same markup no matter how wild the concurrent rendering may have gotten.

After the render, we patch up the components with an incremented ID. This causes a double render on any components with `useId`. Shouldn't be a problem since the components using this hook should be small, and we're only updating the ID attribute on the DOM, nothing big is happening.

It doesn't have to be an incremented number, though--we could do generate random strings instead, but incrementing a number is probably the cheapest thing we can do.

Additionally, we only do this patchup on the very first client render ever. Any calls to `useId` that happen dynamically in the client will be populated immediately with a value. So, we only get the double render after server hydration and never again, SO BACK OFF ALRIGHT?

serverHandoffComplete = false;
var id = 0;
var genId = function genId() {
  return ++id;
};

useId

Autogenerate IDs to facilitate WAI-ARIA and server rendering.

Note: The returned ID will initially be `null` and will update after a component mounts. Users may need to supply their own ID if they need consistent values for SSR.

@see Docs https://reach.tech/auto-id

function useId(idFromProps) {
  // If this instance isn't part of the initial render, we don't have to do the double render/patch-up dance. We can just generate the ID and return it.
  var initialId = idFromProps || (serverHandoffComplete ? genId() : null);
  var _React$useState = useState(initialId),
      id = _React$useState[0],
      setId = _React$useState[1];

  useIsomorphicLayoutEffect(function () {
    if (id === null) {
      // Patch the ID after render. We do this in `useLayoutEffect` to avoid any rendering flicker, though it'll make the first render slower (unlikely to matter, but you're welcome to measure your app and let us know if it's a problem).
      setId(genId());
    } // eslint-disable-next-line react-hooks/exhaustive-deps
  }, []);
  useEffect(function () {
    if (serverHandoffComplete === false) {
      // Flag all future uses of `useId` to skip the update dance. This is in `useEffect` because it goes after `useLayoutEffect`, ensuring we don't accidentally bail out of the patch-up dance prematurely.
      serverHandoffComplete = true;
    }
  }, []);
  return id != null ? String(id) : undefined;
}

export { useId };
", "import { canUseDOM } from '../can-use-dom/dist/reach-utils-can-use-dom.esm.js';

Get an element's owner document. Useful when components are used in iframes or other environments like dev tools.

@param element

function getOwnerDocument(element) {
  return canUseDOM() ? element ? element.ownerDocument : document : null;
}

TODO: Remove in 1.0

function getOwnerWindow(element) {
  var ownerDocument = getOwnerDocument(element);
  return

```

```

ownerDocument ? ownerDocument.defaultView || window : null;\n}\n\nexport { getOwnerDocument,
getOwnerWindow };;\n", "/*\n * Joins strings to format IDs for compound components.\n *\n * @param args\n *\nfunction makeId() {\n  for (var _len = arguments.length, args = new Array(_len), _key = 0; _key < _len;
_key++) {\n    args[_key] = arguments[_key];\n  }\n  return args.filter(function (val) {\n    return val != null;\n
}).join('--');;\n}\n\nexport { makeId };;\n", "/*\n * Checks whether or not a value is a boolean.\n *\n * @param
value\n *\nfunction isBoolean(value) {\n  return typeof value === 'boolean';;\n}\n\n/*\n * Checks whether or not a
value is a function.\n *\n * @param value\n *\nfunction isFunction(value) {\n  // eslint-disable-next-line eqeqeq\n
return !(value && {}.toString.call(value) === '[object Function]');;\n}\n\n/*\n * Checks whether or not a value is a
number.\n *\n * @param value\n *\nfunction isNumber(value) {\n  return typeof value === 'number' &&
!isNaN(value);;\n}\n\n/*\n * Checks whether or not a value is a string.\n *\n * @param value\n *\nfunction
isString(value) {\n  return typeof value === 'string';;\n}\n\nexport { isBoolean, isFunction, isNumber, isString
};;\n", "import { useCallback } from 'react';\nimport { isFunction } from '../type-check/dist/reach-utils-type-
check.esm.js';\n\nfunction _arrayLikeToArray(arr, len) {\n  if (len == null || len > arr.length) len = arr.length;\n
for (var i = 0, arr2 = new Array(len); i < len; i++) arr2[i] = arr[i];\n  return arr2;\n}\n\nfunction
_unsupportedIterableToArray(o, minLen) {\n  if (!o) return;\n  if (typeof o === 'string') return
_arrayLikeToArray(o, minLen);\n  var n = Object.prototype.toString.call(o).slice(8, -1);\n  if (n === 'Object' &&
o.constructor) n = o.constructor.name;\n  if (n === 'Map' || n === 'Set') return Array.from(o);\n  if (n ===
'Arguments' || /^(?:Ui|I)nt(?:8|16|32)?Array$/.test(n)) return _arrayLikeToArray(o,
minLen);\n}\n\nfunction _createForOfIteratorHelperLoose(o, allowArrayLike) {\n  var it;\n  if (typeof Symbol
=== 'undefined' || o[Symbol.iterator] == null) {\n    if (Array.isArray(o) || (it = _unsupportedIterableToArray(o)) ||
allowArrayLike && o && typeof o.length === 'number') {\n      if (it) o = it;\n      var i = 0;\n      return function
() {\n        if (i >= o.length) return {\n          done: true\n        };;\n        return {\n          done: false,\n
          value:
o[i++]\n        };;\n      }\n    }\n    throw new TypeError('Invalid attempt to iterate non-iterable instance.\nIn order
to be iterable, non-array objects must have a [Symbol.iterator]() method.);\n  }\n  it = o[Symbol.iterator]();\n
return it.next.bind(it);\n}\n\n/*\n * Passes or assigns an arbitrary value to a ref function or object.\n *\n * @param
ref\n *\n * @param value\n *\nfunction assignRef(ref, value) {\n  if (ref == null) return;\n  if (isFunction(ref)) {\n
ref(value);\n  } else {\n    try {\n      ref.current = value;\n    } catch (error) {\n      throw new Error('Cannot assign
value \'' + value + '\'' to ref \'' + ref + '\'');\n    }\n  }\n}\n\n/*\n * Passes or assigns a value to multiple
refs (typically a DOM node). Useful for\n * dealing with components that need an explicit ref for DOM calculations
but\n * also forwards refs assigned by an app.\n *\n * @param refs\n *\nfunction
useComposedRefs() {\n  for (var _len = arguments.length, refs = new Array(_len), _key = 0; _key < _len; _key++)
{\n    refs[_key] = arguments[_key];\n  }\n  return useCallback(function (node) {\n    for (var _iterator =
_createForOfIteratorHelperLoose(refs), _step; !(_step = _iterator()).done;) {\n      var ref = _step.value;\n
assignRef(ref, node);\n    } // eslint-disable-next-line react-hooks/exhaustive-deps\n  }, refs);\n}\n\nexport {
assignRef, useComposedRefs };;\n", "/*\n * Wraps a lib-defined event handler and a user-defined event handler,
returning\n * a single handler that allows a user to prevent lib-defined handlers from\n * firing.\n *\n * @param
theirHandler\n * User-supplied event handler\n *\n * @param ourHandler\n * Library-supplied event handler\n *\nfunction
composeEventHandlers(theirHandler, ourHandler) {\n  return function (event) {\n    theirHandler &&
theirHandler(event);\n\n    if (!event.defaultPrevented) {\n      return ourHandler(event);\n    }\n  };;\n}\n\nexport {
composeEventHandlers };;\n", "import { useState, useCallback } from 'react';\n\n/*\n * Forces a re-render, similar to
`forceUpdate` in class components.\n *\nfunction useForceUpdate() {\n  var _useState =
useState(Object.create(null)),\n  dispatch = _useState[1];\n  return useCallback(function () {\n    dispatch(Object.create(null));\n  }, []);\n}\n\nexport { useForceUpdate };;\n", "import { useRef, createElement } from
'react';\nimport { useIsomorphicLayoutEffect } from '@reach/utils/use-isomorphic-layout-effect';\nimport {
useForceUpdate } from '@reach/utils/use-force-update';\nimport { createPortal } from 'react-dom';\n\n/*\n *
Welcome to @reach/portal!\n *\n * Creates and appends a DOM node to the end of `document.body` and renders
a\n * React tree into it. Useful for rendering a natural React element hierarchy\n * with a different DOM hierarchy
to prevent parent styles from clipping or\n * hiding content (for popovers, dropdowns, and modals).\n *\n * @see Docs

```

```

https://reach.tech/portal\n * @see Source https://github.com/reach/reach-ui/tree/main/packages/portal\n * @see
React https://reactjs.org/docs/portals.html\n * /\n**\n * Portal\n * \n * @see Docs https://reach.tech/portal#portal\n
*\n\nvar Portal = function Portal(_ref) {\n  var children = _ref.children,\n    _ref$type = _ref.type,\n    type =
_ref$type === void 0 ? \"reach-portal\" : _ref$type;\n  var mountNode = useRef(null);\n  var portalNode =
useRef(null);\n  var forceUpdate = useForceUpdate();\n  useIsomorphicLayoutEffect(function () {\n    // This ref
may be null when a hot-loader replaces components on the page\n    if (!mountNode.current) return; // It's possible
that the content of the portal has, itself, been portaled.\n    // In that case, it's important to append to the correct
document element.\n    var ownerDocument = mountNode.current.ownerDocument;\n    portalNode.current =
ownerDocument === null ? void 0 : ownerDocument.createElement(type);\n
ownerDocument.body.appendChild(portalNode.current);\n    forceUpdate();\n    return function () {\n    if
(portalNode.current && portalNode.current.ownerDocument) {\n
portalNode.current.ownerDocument.body.removeChild(portalNode.current);\n    }\n  }; \n }, [type,
forceUpdate]);\n  return portalNode.current ? /*#__PURE__*/createPortal(children, portalNode.current) :
/*#__PURE__*/createElement(\"span\", {\n    ref: mountNode\n  });\n};\n\n*\n * @see Docs
https://reach.tech/portal#portal-props\n * /\n\nif (process.env.NODE_ENV !== \"production\") {\n
Portal.displayName = \"Portal\";\n}
////////////////////////////////////\n\nexport default
Portal;\nexport { Portal }; \n\n\", \"import { forwardRef, createElement } from 'react';\nimport PropTypes from 'prop-
types';\n\nfunction _extends() {\n  _extends = Object.assign || function (target) {\n    for (var i = 1; i <
arguments.length; i++) {\n      var source = arguments[i];\n      for (var key in source) {\n        if
(Object.prototype.hasOwnProperty.call(source, key)) {\n          target[key] = source[key];\n        }\n      }\n    }\n  }\n  return target;\n};\n\nreturn _extends.apply(this, arguments);\n}\n\nfunction
_objectWithoutPropertiesLoose(source, excluded) {\n  if (source == null) return {};\n  var target = {};\n  var
sourceKeys = Object.keys(source);\n  var key, i;\n  for (i = 0; i < sourceKeys.length; i++) {\n    key =
sourceKeys[i];\n    if (excluded.indexOf(key) >= 0) continue;\n    target[key] = source[key];\n  }\n  return
target;\n}\n\nvar _excluded = [\"as\", \"style\"];\n\n*\n * VisuallyHidden\n * \n * Provides text for screen readers
that is visually hidden.\n * It is the logical opposite of the `aria-hidden` attribute.\n * /\n\nvar VisuallyHidden =
/*#__PURE__*/forwardRef(function VisuallyHidden(_ref, ref) {\n  var _ref$as = _ref.as,\n    Comp = _ref$as ===
void 0 ? \"span\" : _ref$as,\n    _ref$style = _ref.style,\n    style = _ref$style === void 0 ? {} : _ref$style,\n
props = _objectWithoutPropertiesLoose(_ref, _excluded);\n\n  return /*#__PURE__*/createElement(Comp,
_extends({\n    ref: ref,\n    style: _extends({\n      border: 0,\n      clip: \"rect(0 0 0 0)\",\n      height: \"1px\",\n
margin: \"-1px\",\n      overflow: \"hidden\",\n      padding: 0,\n      position: \"absolute\",\n      width: \"1px\",\n
// https://medium.com/@jessebeach/beware-smushed-off-screen-accessible-text-5952a4c2cbfe\n      whiteSpace:
\"nowrap\",\n      wordWrap: \"normal\"\n    }, style)\n  }, props));\n});\n\n*\n * @see Docs
https://reach.tech/visually-hidden#visuallyhidden-props\n * /\n\nif (process.env.NODE_ENV !== \"production\") {\n
VisuallyHidden.displayName = \"VisuallyHidden\";\n  VisuallyHidden.propTypes = {\n    as: PropTypes.any,\n
children: PropTypes.node\n  }; \n}
////////////////////////////////////\n\nexport default
VisuallyHidden;\nexport { VisuallyHidden }; \n\n\", \"let props: (keyof DOMRect)[] =
[\"bottom\", \"height\", \"left\", \"right\", \"top\", \"width\"],\n\nlet rectChanged = (a: DOMRect =
{} as DOMRect, b: DOMRect = {} as DOMRect) => a[props.some((prop) => a[props] !== b[props]);\n\nlet
observedNodes = new Map<Element, RectProps>();\nlet rafId: number;\nlet run = () => {\n  const changedStates:
RectProps[] = [];\n  observedNodes.forEach((state, node) => {\n    let newRect =
node.getBoundingClientRect();\n    if (rectChanged(newRect, state.rect)) {\n      state.rect =
newRect;\n      changedStates.push(state);\n    }\n  });\n  changedStates.forEach((state) =>
{\n    state.callbacks.forEach((cb) => cb(state.rect));\n  });\n  rafId =
window.requestAnimationFrame(run);\n};\n\nexport default function observeRect(\n  node: Element,\n  cb: (rect:
DOMRect) => void\n) {\n  return {\n    observe() {\n      let wasEmpty = observedNodes.size === 0;\n      if
(observedNodes.has(node)) {\n        observedNodes.get(node)!.callbacks.push(cb);\n      } else
{\n        observedNodes.set(node, {\n          rect: undefined,\n          hasRectChanged: false,\n          callbacks:

```



```

_on5[TooltipEvents.MouseLeave] = TooltipStates.Idle, _on5[TooltipEvents.Blur] = TooltipStates.Idle, _on5)\n },
_states)\n};\n*/\n * Chart context allows us to persist some data around, in Tooltip all we use\n * is the id of the
current tooltip being interacted with.\n */\n\nvar state = {\n value: chart.initial,\n context: {\n id: null\n }\n};
////////////////////////////////////\n// Subscriptions:\n// We could require apps to render a
<TooltipProvider> around the app and use\n// React context to notify Tooltips of changes to our state machine,
instead\n// we manage subscriptions ourselves and simplify the Tooltip API.\n// Maybe if default context could
take a hook (instead of just a static value)\n// that was rendered at the root for us, that'd be cool! But it
doesn't.\n\nvar subscriptions = [];\n\nfunction subscribe(fn) {\n subscriptions.push(fn);\n return function () {\n
subscriptions.splice(subscriptions.indexOf(fn), 1);\n };}\n\nfunction notify() {\n subscriptions.forEach(function
(fn) {\n return fn(state);\n });}\n //////////////////////////////////////////////////\n// Timeouts:\n//
Manages when the user \"rests\" on an element. Keeps the interface from being\n// flashing tooltips all the time as
the user moves the mouse around the screen.\n\n\nvar restTimeout;\n\nfunction startRestTimer() {\n
window.clearTimeout(restTimeout);\n restTimeout = window.setTimeout(function () {\n send({\n type:
TooltipEvents.Rest\n });\n }, MOUSE_REST_TIMEOUT);\n}\n\nfunction clearRestTimer() {\n
window.clearTimeout(restTimeout);\n // Manages the delay to hide the tooltip after rest leaves.\n\n\nvar
leavingVisibleTimer;\n\nfunction startLeavingVisibleTimer() {\n window.clearTimeout(leavingVisibleTimer);\n
leavingVisibleTimer = window.setTimeout(function () {\n return send({\n type:
TooltipEvents.TimeComplete\n });\n }, LEAVE_TIMEOUT);\n}\n\nfunction clearLeavingVisibleTimer() {\n
window.clearTimeout(leavingVisibleTimer);\n // allows us to come on back later w/o entering something else first
after the\n// user leaves or dismisses\n\n\nfunction clearContextId() {\n state.context.id = null;\n}
////////////////////////////////////\n\n\n**\n * useTooltip\n * @param params\n
*/\n\nfunction useTooltip(_temp) {\n var _ref = _temp === void 0 ? {} : _temp,\n idProp = _ref.id,\n
onPointerEnter = _ref.onPointerEnter,\n onPointerMove = _ref.onPointerMove,\n onPointerLeave =
_ref.onPointerLeave,\n onPointerDown = _ref.onPointerDown,\n onMouseEnter = _ref.onMouseEnter,\n
onMouseMove = _ref.onMouseMove,\n onMouseLeave = _ref.onMouseLeave,\n onMouseDown =
_ref.onMouseDown,\n onFocus = _ref.onFocus,\n onBlur = _ref.onBlur,\n onKeyDown =
_ref.onKeyDown,\n disabled = _ref.disabled,\n forwardedRef = _ref.ref,\n DEBUG_STYLE =
_ref.DEBUG_STYLE;\n\n var id = String(useId(idProp));\n\n var _React$useState = useState(DEBUG_STYLE ?
true : isTooltipVisible(id, true)),\n isVisible = _React$useState[0],\n setIsVisible = _React$useState[1]; //
hopefully they always pass a ref if they ever pass one\n\n\n var ownRef = useRef(null);\n var ref =
useComposedRefs(forwardedRef, ownRef);\n var triggerRect = useRect(ownRef, {\n observe: isVisible\n });\n
useEffect(function () {\n return subscribe(function () {\n setIsVisible(isTooltipVisible(id));\n });\n }, [id]);\n
useCheckStyles(\"tooltip\");\n useEffect(function () {\n var ownerDocument =
getOwnerDocument(ownRef.current);\n\n function listener(event) {\n if ((event.key === \"Escape\" || event.key
=== \"Esc\") && state.value === TooltipStates.Visible) {\n send({\n type:
TooltipEvents.SelectWithKeyboard\n });\n }\n\n ownerDocument.addEventListener(\"keydown\",
listener);\n return function () {\n return ownerDocument.removeEventListener(\"keydown\", listener);\n };
}, []);\n useDisabledTriggerOnSafari({\n disabled: disabled,\n isVisible: isVisible,\n ref: ownRef\n });\n\n
function wrapMouseEvent(theirHandler, ourHandler) {\n // Use internal MouseEvent handler only if PointerEvent
is not supported\n if (typeof window !== \"undefined\" && \"PointerEvent\" in window) {\n return
theirHandler;\n }\n\n return composeEventHandlers(theirHandler, ourHandler);\n }\n\n function
wrapPointerEventHandler(handler) {\n return function onPointerEvent(event) {\n // Handle pointer events only
from mouse device\n if (event.pointerType !== \"mouse\") {\n return;\n }\n\n handler(event);\n };
}\n\n function handleMouseEnter() {\n send({\n type: TooltipEvents.MouseEnter,\n id: id\n });\n }\n\n
function handleMouseMove() {\n send({\n type: TooltipEvents.MouseMove,\n id: id\n });\n }\n\n
function handleMouseLeave() {\n send({\n type: TooltipEvents.MouseLeave\n });\n }\n\n function
handleMouseDown() {\n // Allow quick click from one tool to another\n if (state.context.id === id) {\n
send({\n type: TooltipEvents.MouseDown\n });\n }\n }\n\n\n function handleFocus() {\n // @ts-ignore\n

```



```

find the next state from the current\n * state + action.\n * It also manages lifecycles of the machine, (enter/leave
hooks on the state\n * chart)\n * @param event\n * @param payload\n * ^\n\nfunction send(event) {\n var
_transition = transition(state, event),\n value = _transition.value,\n context = _transition.context,\n changed
= _transition.changed;\n\n if (changed) {\n state = {\n value: value,\n context: context\n };
\n notify();
\n }\n\nfunction transition(currentState, event) {\n var stateDef = chart.states[currentState.value];
\n var nextState =
stateDef && stateDef.on && stateDef.on[event.type]; // Really useful for debugging\n // console.log({ event, state,
nextState, contextId: context.id });
\n // !nextState && console.log("no transition taken");
\n if (!nextState) {\n return _extends({}, currentState, {\n changed: false\n });
\n }\n\n if (stateDef && stateDef.leave) {\n stateDef.leave(currentState.context, event);
\n }\n\n event.type;\n var payload =
_objectWithoutPropertiesLoose(event, _excluded4); // TODO: Use actions instead of directly setting context\n\n
var context = _extends({}, state.context, payload);\n\n var nextStateValue = typeof nextState === "string" ?
nextState : nextState.target;\n var nextDef = chart.states[nextStateValue];
\n\n if (nextDef && nextDef.enter) {\n nextDef.enter(currentState.context, event);
\n }\n\n return {\n value: nextStateValue,\n context: context,\n changed: true\n };
\n }\n\nfunction isTooltipVisible(id, initial) {\n return state.context.id === id && (initial ?
state.value === TooltipStates.Visible : state.value === TooltipStates.Visible || state.value ===
TooltipStates.LeavingVisible);
\n }
\n\n////////////////////\n\nexport default
Tooltip;\nexport { LEAVE_TIMEOUT, MOUSE_REST_TIMEOUT, Tooltip, TooltipPopup, positionTooltip,
useTooltip };
\n","import { getOwnerDocument } from '../owner-document/dist/reach-utils-owner-
document.esm.js';
\nimport '../can-use-dom/dist/reach-utils-can-use-dom.esm.js';
\n\n/**\n * Get the size of the
working document minus the scrollbar offset.\n * \n * @param element\n * ^\n\nfunction
getDocumentDimensions(element) {\n var _ownerDocument$docume, _ownerDocument$docume2;\n\n var
ownerDocument = getOwnerDocument(element);\n var ownerWindow = ownerDocument.defaultView ||
window;\n\n if (!ownerDocument) {\n return {\n width: 0,\n height: 0\n };
\n }\n\n return {\n width:
(_ownerDocument$docume = ownerDocument.documentElement.clientWidth) != null ? _ownerDocument$docume
: ownerWindow.innerWidth,\n height: (_ownerDocument$docume2 =
ownerDocument.documentElement.clientHeight) != null ? _ownerDocument$docume2 :
ownerWindow.innerHeight\n };
\n }\n\nexport { getDocumentDimensions };
\n\n\n/**\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n * \n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n * \n * @flow\n * ^\n\nimport { useContext, useMemo } from
'react';
\nimport { SettingsContext } from './Settings/SettingsContext';
\nimport { THEME_STYLES } from
'./constants';
\n\nconst useThemeStyles = () => {\n const { theme, displayDensity, browserTheme } =
useContext(SettingsContext);
\n\n const style = useMemo(\n () => ({\n ...THEME_STYLES[displayDensity],
\n ...THEME_STYLES[theme === 'auto' ? browserTheme : theme],
\n [theme, browserTheme,
displayDensity],
\n });
\n return style;
\n });
\n\nexport default useThemeStyles;
\n\n\n/**\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n * \n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n * \n * @flow\n * ^\n\nimport * as React from 'react';
\nimport
ReachTooltip from '@reach/tooltip';
\nimport tooltipStyles from './Tooltip.css';
\nimport useThemeStyles from
'../useThemeStyles';
\n\nconst Tooltip = ({\n children,\n className = "",\n ...props\n}: {\n children:
React$Node,\n className: string,\n ...}): React.Node => {\n const style = useThemeStyles();
\n return (\n //
$FlowFixMe[cannot-spread-inexact] unsafe spread\n <ReachTooltip\n className=${` ${tooltipStyles.Tooltip}
${className}`}\n style={style}\n {...props}>\n {children}\n </ReachTooltip>\n );
\n }\n\nexport default
Tooltip;
\n\n\n/**\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n * \n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * \n * @flow\n * ^\n\nimport *
as React from 'react';
\nimport { useCallback } from 'react';
\n\nimport styles from './Toggle.css';
\nimport Tooltip from
'./Components/reach-ui/tooltip';
\n\ntype Props = {\n children: React$Node,\n className?: string,\n isChecked:
boolean,\n isDisabled?: boolean,\n onChange: (isChecked: boolean) => void,\n testName?: ?string,\n title?:
string,\n ...};
\n\nexport default function Toggle({\n children,\n className = "",\n isDisabled = false,\n
isChecked,\n onChange,\n testName,\n title,\n}: Props): React.Node {\n let defaultClassName;
\n if (isDisabled)

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{\n  defaultClassName = styles.ToggleDisabled;\n } else if (isChecked) {\n  defaultClassName =
styles.ToggleOn;\n } else {\n  defaultClassName = styles.ToggleOff;\n }\n\n const handleClick = useCallback(\n
() => onChange(!isChecked),\n [isChecked, onChange],\n );\n\n let toggle = (\n  <button\n
className={` ${defaultClassName} ${className}`} \n  data-testname={testName} \n  disabled={isDisabled} \n
  onClick={handleClick}>\n    <span className={styles.ToggleContent} tabIndex={-1}>\n      {children} \n
</span>\n  </button>\n );\n\n if (title) {\n  toggle = <Tooltip label={title}>{toggle}</Tooltip>;\n } \n\n return
toggle;\n }\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under
the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n
*/\n\nimport * as React from 'react';\nimport {useCallback, useContext, useEffect, useState} from 'react';\nimport
{BridgeContext} from '../context';\nimport Toggle from '../Toggle';\nimport ButtonIcon from
'../ButtonIcon';\nimport {logEvent} from 'react-devtools-shared/src/Logger';\n\nexport default function
InspectHostNodesToggle(): React.Node {\n  const [isInspecting, setIsInspecting] = useState(false);\n  const bridge =
useContext(BridgeContext);\n\n  const handleChange = useCallback(\n    (isChecked: boolean) => {\n
setIsInspecting(isChecked);\n\n    if (isChecked) {\n      logEvent({event_name: 'inspect-element-button-
clicked'});\n      bridge.send('startInspectingNative');\n    } else {\n      bridge.send('stopInspectingNative',
false);\n    }\n  }, [bridge],\n );\n\n  useEffect(() => {\n    const onStopInspectingNative = () =>
setIsInspecting(false);\n    bridge.addListener('stopInspectingNative', onStopInspectingNative);\n    return () =>{\n
bridge.removeListener('stopInspectingNative', onStopInspectingNative);\n  }, [bridge]);\n\n  return (\n    <Toggle\n
onChange={handleChange} \n    isChecked={isInspecting} \n    title="Select an element in the page to inspect
it">\n      <ButtonIcon type="search" />\n    </Toggle>\n );\n }\n", "/*\n * Copyright (c) Meta Platforms, Inc. and
affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n *\n * @flow\n
*/\n\nimport * as React from 'react';\nimport styles from
'./Button.css';\nimport Tooltip from './Components/reach-ui/tooltip';\n\ntype Props = {\n  children: React$Node,\n
className?: string,\n  testName?: ?string,\n  title: React$Node,\n  ... \n};\n\nexport default function Button({\n
children,\n  className = "",\n  testName,\n  title,\n  ...rest\n}: Props): React.Node {\n  let button = (\n    //
$FlowFixMe[cannot-spread-inexact] unsafe spread\n    <button\n      className={` ${styles.Button}
${className}`} \n      data-testname={testName} \n      {...rest}>\n      <span className={` ${styles.ButtonContent}
${className}`} \n      tabIndex={-1}>\n        {children} \n      </span>\n    </button>\n );\n\n  if (title) {\n
button = <Tooltip label={title}>{button}</Tooltip>;\n } \n\n  return button;\n }\n", "/*\n * Copyright (c) Meta Platforms,
Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the
root directory of this source tree.\n *\n * @flow\n
*/\n\nimport type {ReactContext, Thenable} from
'shared/ReactTypes';\n\nimport * as React from 'react';\nimport {createContext} from 'react';\n\n// TODO (cache)
Remove this cache; it is outdated and will not work with newer APIs like startTransition.\n\n// Cache
implementation was forked from the React repo:\n// https://github.com/facebook/react/blob/main/packages/react-
cache/src/ReactCache.js\n\n// This cache is simpler than react-cache in that:\n// 1. Individual items don't need to be
invalidated.\n// 2. Profiling data is invalidated as a whole.\n// 3. We didn't need the added overhead of an LRU
cache.\n// 4. The size of this cache is bounded by how many renders were profiled,\n// 5. and it will be fully reset
between profiling sessions.\n\nexport type {Thenable};\n\ninterface Suspender {\n  then(resolve: () => mixed,
reject: () => mixed): mixed;\n}\n\ninterface PendingResult = {\n  status: 0,\n  value: Suspender,\n};\n\ninterface
ResolvedResult<Value> = {\n  status: 1,\n  value: Value,\n};\n\ninterface RejectedResult = {\n  status: 2,\n  value:
mixed,\n};\n\ninterface Result<Value> = PendingResult | ResolvedResult<Value> | RejectedResult;\n\nexport type
Resource<Input, Key, Value> = {\n  clear(): void,\n  invalidate(Key): void,\n  read(Input): Value,\n  preload(Input):
void,\n  write(Key, Value): void,\n  ... \n};\n\nconst Pending = 0;\nconst Resolved = 1;\nconst Rejected = 2;\n\nconst
ReactCurrentDispatcher = (React: any)\n
  .__SECRET_INTERNALS_DO_NOT_USE_OR_YOU_WILL_BE_FIRED.ReactCurrentDispatcher;\n\nfunction
readContext(Context: ReactContext<null>) {\n  const dispatcher = ReactCurrentDispatcher.current;\n  if (dispatcher
=== null) {\n    throw new Error(\n      'react-cache: read and preload may only be called from within a '+\n
'\n'component's render. They are not supported in event handlers or '\n' +\n      'lifecycle methods.',\n    );\n  }\n  return

```

```

dispatcher.readContext(Context);\n\nconst CacheContext = createContext(null);\n\ntype Config =
{useWeakMap?: boolean, ...};\n\nconst entries: Map<\n Resource<any, any, any>,\n Map<any, any> |
WeakMap<any, any>,\n> = new Map();\n\nconst resourceConfigs: Map<Resource<any, any, any>, Config> = new
Map();\n\nfunction getEntriesForResource(\n resource: any,\n): Map<any, any> | WeakMap<any, any> {\n let
entriesForResource: Map<any, any> | WeakMap<any, any> = ((entries.get(\n resource,\n ): any): Map<any,
any>);\n if (entriesForResource === undefined) {\n const config = resourceConfigs.get(resource);\n
entriesForResource =\n config !== undefined && config.useWeakMap ? new WeakMap() : new Map();\n
entries.set(resource, entriesForResource);\n }\n return entriesForResource;\n }\n\nfunction accessResult<Input,
Key, Value>(\n resource: any,\n fetch: Input => Thenable<Value>,\n input: Input,\n key: Key,\n): Result<Value>
{\n const entriesForResource = getEntriesForResource(resource);\n const entry = entriesForResource.get(key);\n if
(entry === undefined) {\n const thenable = fetch(input);\n thenable.then(\n value => {\n if
(newResult.status === Pending) {\n const resolvedResult: ResolvedResult<Value> = (newResult: any);\n
resolvedResult.status = Resolved;\n resolvedResult.value = value;\n }\n },\n error => {\n if
(newResult.status === Pending) {\n const rejectedResult: RejectedResult = (newResult: any);\n
rejectedResult.status = Rejected;\n rejectedResult.value = error;\n }\n },\n );\n const newResult:
PendingResult = {\n status: Pending,\n value: thenable,\n };\n entriesForResource.set(key, newResult);\n
return newResult;\n } else {\n return entry;\n }\n}\n\nexport function createResource<Input, Key, Value>(\n
fetch: Input => Thenable<Value>,\n hashInput: Input => Key,\n config?: Config = {},\n): Resource<Input, Key,
Value> {\n const resource = {\n clear(): void {\n entries.delete(resource);\n },\n\n invalidate(key: Key):
void {\n const entriesForResource = getEntriesForResource(resource);\n entriesForResource.delete(key);\n
},\n\n read(input: Input): Value {\n // Prevent access outside of render.\n readContext(CacheContext);\n\n
const key = hashInput(input);\n const result: Result<Value> = accessResult(resource, fetch, input, key);\n
switch (result.status) {\n case Pending: {\n const suspender = result.value;\n throw suspender;\n
}\n case Resolved: {\n const value = result.value;\n return value;\n }\n case Rejected: {\n
const error = result.value;\n throw error;\n }\n default:\n // Should be unreachable\n
return (undefined: any);\n }\n },\n\n preload(input: Input): void {\n // Prevent access outside of render.\n
readContext(CacheContext);\n\n const key = hashInput(input);\n accessResult(resource, fetch, input, key);\n
},\n\n write(key: Key, value: Value): void {\n const entriesForResource = getEntriesForResource(resource);\n
const resolvedResult: ResolvedResult<Value> = {\n status: Resolved,\n value,\n };\n\n
entriesForResource.set(key, resolvedResult);\n },\n }\n\n resourceConfigs.set(resource, config);\n\n return
resource;\n }\n\nexport function invalidateResources(): void {\n entries.clear();\n }\n\n"/*\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n *\n * @flow\n *\n\nimport type {ReactContext} from
'shared/ReactTypes';\n\nimport * as React from 'react';\n\nimport {createContext, useCallback, useContext, useEffect}
from 'react';\n\nimport {createResource} from './../cache';\n\nimport {BridgeContext, StoreContext} from
'../context';\n\nimport {TreeStateContext} from './TreeContext';\n\nimport {separateDisplayNameAndHOCs} from
'react-devtools-shared/src/utils';\n\nimport type {OwnersList} from 'react-devtools-
shared/src/backend/types';\n\nimport type {\n Element,\n SerializedElement,\n} from 'react-devtools-
shared/src/devtools/views/Components/types';\n\nimport type {Resource, Thenable} from './../cache';\n\ntype Context
= (id: number) => Array<SerializedElement> | null;\n\nconst OwnersListContext: ReactContext<Context> =
createContext<Context>(\n ((null: any): Context),\n);\n\nOwnersListContext.displayName =
'OwnersListContext';\n\ntype ResolveFn = (ownersList: Array<SerializedElement> | null) => void;\n\ntype
InProgressRequest = {\n promise: Thenable<Array<SerializedElement>>,\n resolveFn: ResolveFn,\n};\n\nconst
InProgressRequests: WeakMap<Element, InProgressRequest> = new WeakMap();\n\nconst resource: Resource<\n
Element,\n Element,\n Array<SerializedElement>,\n> = createResource(\n (element: Element) => {\n const
request = InProgressRequests.get(element);\n if (request != null) {\n // $FlowFixMe[incompatible-call] found
when upgrading Flow\n return request.promise;\n }\n\n let resolveFn:\n | ResolveFn\n | ((\n result:
Promise<Array<SerializedElement>> | Array<SerializedElement>,\n ) => void) = ((null: any): ResolveFn);\n

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elements.indexOf(triggerRef.current) : -1;\n  var elementAfterTrigger = elements && elements[targetIndex + 1];\n  return popoverRef.current && popoverRef.current.contains(elementAfterTrigger || null) ? false :
  elementAfterTrigger;\n } }\n function tabbedFromTriggerToPopover() {\n  return triggerRef.current ?
  triggerRef.current === ownerDocument.activeElement : false;\n } }\n function focusFirstPopoverTabbable(event)
{\n  var elements = popoverRef.current && tabbable(popoverRef.current);\n  if (elements && elements[0]) {\n
  event.preventDefault();\n  elements[0].focus();\n } }\n function tabbedOutOfPopover() {\n  var
  inPopover = popoverRef.current ? popoverRef.current.contains(ownerDocument.activeElement || null) : false;\n\n
  if (inPopover) {\n    var elements = popoverRef.current && tabbable(popoverRef.current);\n    return
  Boolean(elements && elements[elements.length - 1] === ownerDocument.activeElement);\n  }\n\n  return
  false;\n } }\n function focusTabbableAfterTrigger(event) {\n  var elementAfterTrigger =
  getElementAfterTrigger();\n\n  if (elementAfterTrigger) {\n    event.preventDefault();\n
  elementAfterTrigger.focus();\n  } }\n function shiftTabbedFromElementAfterTrigger(event) {\n  if
  (!event.shiftKey) return;\n  var elementAfterTrigger = getElementAfterTrigger();\n  return event.target ===
  elementAfterTrigger;\n } }\n function focusLastTabbableInPopover(event) {\n  var elements =
  popoverRef.current && tabbable(popoverRef.current);\n  var last = elements && elements[elements.length -
  1];\n\n  if (last) {\n    event.preventDefault();\n    last.focus();\n  } }\n function
  shiftTabbedOutOfPopover(event) {\n  var elements = popoverRef.current && tabbable(popoverRef.current);\n\n
  if (elements) {\n    return elements.length === 0 ? false : event.target === elements[0];\n  }\n\n  return false;\n
  }\n\n function focusTriggerRef(event) {\n  var _triggerRef$current;\n\n  event.preventDefault();\n
  (_triggerRef$current = triggerRef.current) == null ? void 0 : _triggerRef$current.focus();\n } }\n function
  tabbedToBrowserChrome(event) {\n  var elements = popoverRef.current ?
  tabbable(ownerDocument).filter(function (element) {\n    return !popoverRef.current.contains(element);\n  }) :
  null;\n  return elements ? event.target === elements[elements.length - 1] : false;\n } }\n function
  shiftTabbedToBrowserChrome(event) {\n  // we're assuming the popover will never contain the first tabbable\n //
  element, and it better not, because the trigger needs to be tabbable!\n  return event.target ===
  tabbable(ownerDocument)[0];\n } }\n var restoreTabIndexTuplés = [];\n function disableTabbablesInPopover()
{\n  var elements = popoverRef.current && tabbable(popoverRef.current);\n  if (elements) {\n
  elements.forEach(function (element) {\n    restoreTabIndexTuplés.push([element, element.tabIndex]);\n
  element.tabIndex = -1;\n  });\n  ownerDocument.addEventListener(\"focusin\", enableTabbablesInPopover);\n
  }\n }\n function enableTabbablesInPopover() {\n  ownerDocument.removeEventListener(\"focusin\",
  enableTabbablesInPopover);\n  restoreTabIndexTuplés.forEach(function (_ref2) {\n    var element = _ref2[0],\n
  tabIndex = _ref2[1];\n    element.tabIndex = tabIndex;\n  });\n }\n }
  //////////////////////////////////////\n\nexport default Popover;\nexport { Popover,
  getCollisions, positionDefault, positionMatchWidth, positionRight }; }\n\nimport { createContext } from
  'react';\n\nfunction createNamedContext(name, defaultValue) {\n  var Ctx =
  /*#__PURE__*/createContext(defaultValue);\n\n  if (process.env.NODE_ENV !== \"production\") {\n
  Ctx.displayName = name;\n  }\n\n  return Ctx;\n }\n\nexport { createNamedContext }; }\n\nfunction noop()
  {} }\n\nexport { noop }; }\n\nimport { useContext, useState, useCallback, createElement, useMemo } from
  'react';\nimport { useForceUpdate } from '@reach/utls/use-force-update';\nimport { useIsomorphicLayoutEffect }
  from '@reach/utls/use-isomorphic-layout-effect';\nimport { createNamedContext } from
  '@reach/utls/context';\nimport { noop } from '@reach/utls/noop';\n\nfunction
  _objectWithoutPropertiesLoose(source, excluded) {\n  if (source == null) return {};\n  var target = {};\n  var
  sourceKeys = Object.keys(source);\n  var key, i;\n  for (i = 0; i < sourceKeys.length; i++) {\n    key =
  sourceKeys[i];\n    if (excluded.indexOf(key) >= 0) continue;\n    target[key] = source[key];\n  }\n\n  return
  target;\n }\n\nfunction _extends() {\n  _extends = Object.assign || function (target) {\n    for (var i = 1; i <
  arguments.length; i++) {\n      var source = arguments[i];\n      for (var key in source) {\n        if
  (Object.prototype.hasOwnProperty.call(source, key)) {\n          target[key] = source[key];\n        }\n      }\n
    }\n\n    return target;\n  };\n\n  return _extends.apply(this, arguments);\n }\n\nvar _excluded = [\"element\",

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\'index\'];\n\nfunction createDescendantContext(name, initialValue) {\n  if (initialValue === void 0) {\n    initialValue = {};\n  }\n  var descendants = [];\n  return createNamedContext(name, _extends({\n    descendants: descendants,\n    registerDescendant: noop,\n    unregisterDescendant: noop\n  }, initialValue));\n}\n\n/* This hook registers our descendant by passing it into an array. We can then search that array by to find its index when registering it in the component. We use this for focus management, keyboard navigation, and typeahead functionality for some components. The hook accepts the element node and (optionally) a key. The key is useful if multiple descendants have identical text values and we need to differentiate siblings for some reason. Our main goals with this are: 1) maximum composability, 2) minimal API friction 3) SSR compatibility 4) concurrent safe 5) index always up-to-date with the tree despite changes 6) works with memoization of any component in the tree (hopefully) As for SSR, the good news is that we don't actually need the index on the server for most use-cases, as we are only using it to determine the order of composed descendants for keyboard navigation. However, in the few cases where this is not the case, we can require an explicit index from the app.*/\n\nfunction useDescendant(descendant, context, indexProp) {\n  var forceUpdate = useForceUpdate();\n  var _React$useContext = useContext(context),\n      registerDescendant = _React$useContext.registerDescendant,\n      unregisterDescendant = _React$useContext.unregisterDescendant,\n      descendants = _React$useContext.descendants; // This will initially return -1 because we haven't registered the descendant\n  // on the first render. After we register, this will then return the correct\n  // index on the following render and we will re-register descendants so that\n  // everything is up-to-date before the user interacts with a collection.\n  var index = indexProp != null ? indexProp : descendants.findIndex(function (item) {\n    return item.element === descendant.element;\n  }); // Prevent any flashing\n  useIsomorphicLayoutEffect(function () {\n    if (!descendant.element) forceUpdate();\n    registerDescendant(_extends({}, descendant, {\n      index: index\n    }));\n    return function () {\n      unregisterDescendant(descendant.element);\n    }; \n  }, [descendant, forceUpdate, index, registerDescendant, unregisterDescendant].concat(Object.values(descendant)));\n  return index;\n}\n\nfunction useDescendantsInit() {\n  return useState([]);\n}\n\nfunction useDescendants(ctx) {\n  return useContext(ctx).descendants;\n}\n\nfunction DescendantProvider(_ref) {\n  var Ctx = _ref.context,\n      children = _ref.children,\n      items = _ref.items,\n      set = _ref.set;\n  var registerDescendant = useCallback(function (_ref2) {\n    var element = _ref2.element,\n        explicitIndex = _ref2.index,\n        rest = _objectWithoutPropertiesLoose(_ref2, _excluded);\n    if (!element) {\n      return;\n    }\n    set(function (items) {\n      var newItems;\n      if (explicitIndex != null) {\n        return [].concat(items, [_extends({}, rest, {\n          element: element,\n          index: explicitIndex\n        })]).sort(function (a, b) {\n          return a.index - b.index;\n        });\n      } else if (items.length === 0) {\n        // If there are no items, register at index 0 and bail.\n        newItems = [_extends({}, rest, {\n          element: element,\n          index: 0\n        })];\n      } else if (items.find(function (item) {\n        return item.element === element;\n      }))) {\n        // If the element is already registered, just use the same array\n        newItems = items;\n      } else {\n        // When registering a descendant, we need to make sure we insert\n        // into the array in the same order that it appears in the DOM. So as\n        // new descendants are added or maybe some are removed, we always know\n        // that the array is up-to-date and correct.\n        // So here we look at our registered descendants and see if the new\n        // element we are adding appears earlier than an existing descendant's\n        // DOM node via `node.compareDocumentPosition`. If it does, we insert\n        // the new element at this index. Because `registerDescendant` will be\n        // called in an effect every time the descendants state value changes,\n        // we should be sure that this index is accurate when descendent\n        // elements come or go from our component.\n        var index = items.findIndex(function (item) {\n          if (!item.element || !element) {\n            return false;\n          } // Does this element's DOM node appear before another item in the\n          // array in our DOM tree? If so, return true to grab the index at\n          // this point in the array so we know where to insert the new\n          // element.\n          return Boolean(item.element.compareDocumentPosition(element) & Node.DOCUMENT_POSITION_PRECEDING);\n        });\n        var newItem = _extends({}, rest, {\n          element: element,\n          index: index\n        }); // If an index is not found we will push the element to the end.\n        if (index === -1) {\n          newItems = [].concat(items, [newItem]);\n        } else {\n          newItems = [].concat(items.slice(0, index), [newItem],

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items.slice(index));\n    }\n    }\n\n    return newItems.map(function (item, index) {\n        return _extends({\n            item, {\n                index: index\n            });\n        });\n    });\n    }, // set is a state setter initialized by the useDescendantsInit\n    hook.\n    // We can safely ignore the lint warning here because it will not change\n    // between renders.\n    // eslint-disable-next-line react-hooks/exhaustive-deps\n    []);\n    var unregisterDescendant = useCallback(function (element)\n    {\n        if (!element) {\n            return;\n        }\n        set(function (items) {\n            return items.filter(function (item) {\n                return element !== item.element;\n            });\n        });\n    }, // set is a state setter initialized by the useDescendantsInit\n    hook.\n    // We can safely ignore the lint warning here because it will not change\n    // between renders.\n    // eslint-disable-next-line react-hooks/exhaustive-deps\n    []);\n    return /*#__PURE__*/createElement(Ctx.Provider, {\n        value: useMemo(function () {\n            return {\n                descendants: items,\n                registerDescendant:\n                registerDescendant,\n                unregisterDescendant: unregisterDescendant\n            }; \n        }, [items, registerDescendant,\n        unregisterDescendant])\n    }, children);\n}\n\n/**\n * Testing this as an abstraction for compound components that use\n * keyboard\n * navigation. Hoping this will help us prevent bugs and mismatched behavior\n * across various\n * components, but it may also prove to be too messy of an\n * abstraction in the end.\n *\n * Currently used in:\n * -\n * Tabs\n * -\n * Accordion\n *\n * @param context\n * @param options\n */\n\nfunction\nuseDescendantKeyDown(context, options) {\n    var _React$useContext2 = useContext(context),\n        descendants =\n        _React$useContext2.descendants;\n\n    var callback = options.callback,\n        currentIndex = options.currentIndex,\n        filter = options.filter,\n        _options$key = options.key,\n        key = _options$key === void 0 ? "index" :\n        _options$key,\n        _options$orientation = options.orientation,\n        orientation = _options$orientation === void 0 ?\n        "vertical" : _options$orientation,\n        _options$rotate = options.rotate,\n        rotate = _options$rotate === void 0 ?\n        true : _options$rotate,\n        _options$rtl = options.rtl,\n        rtl = _options$rtl === void 0 ? false : _options$rtl;\n\n    return function handleKeyDown(event) {\n        if (!["ArrowDown", "ArrowUp", "ArrowLeft", "ArrowRight",\n        "PageUp", "PageDown", "Home", "End"].includes(event.key)) {\n            return;\n        }\n\n        var index =\n        currentIndex != null ? currentIndex : -1; // If we use a filter function, we need to re-index our descendants array\n        // so that filtered descendent elements aren't selected.\n\n        var selectableDescendants = filter ?\n        descendants.filter(filter) : descendants; // We need some options for any of this to work!\n\n        if\n        (!selectableDescendants.length) {\n            return;\n        }\n\n        var selectableIndex =\n        selectableDescendants.findIndex(function (descendant) {\n            return descendant.index === currentIndex;\n        });\n\n        function getNextOption() {\n            var atBottom = index === getLastOption().index;\n            return atBottom ? rotate ?\n            getFirstOption() : selectableDescendants[selectableIndex] : selectableDescendants[(selectableIndex + 1) %\n            selectableDescendants.length];\n        }\n\n        function getPreviousOption() {\n            var atTop = index ===\n            getFirstOption().index;\n            return atTop ? rotate ? getLastOption() : selectableDescendants[selectableIndex] :\n            selectableDescendants[(selectableIndex - 1 + selectableDescendants.length) % selectableDescendants.length];\n        }\n\n        function getFirstOption() {\n            return selectableDescendants[0];\n        }\n\n        function getLastOption() {\n            return selectableDescendants[selectableDescendants.length - 1];\n        }\n\n        switch (event.key) {\n            case\n            "ArrowDown":\n                if (orientation === "vertical" || orientation === "both") {\n                    event.preventDefault();\n                    var next = getNextOption();\n                    callback(key === "option" ? next : next[key]);\n                }\n                break;\n\n            case\n            "ArrowUp":\n                if (orientation === "vertical" || orientation === "both") {\n                    event.preventDefault();\n                    var prev = getPreviousOption();\n                    callback(key === "option" ? prev :\n                    prev[key]);\n                }\n                break;\n\n            case\n            "ArrowLeft":\n                if (orientation === "horizontal" || orientation\n                === "both") {\n                    event.preventDefault();\n                    var nextOrPrev = (rtl ? getNextOption :\n                    getPreviousOption)();\n                    callback(key === "option" ? nextOrPrev : nextOrPrev[key]);\n                }\n                break;\n\n            case\n            "ArrowRight":\n                if (orientation === "horizontal" || orientation === "both") {\n                    event.preventDefault();\n                    var prevOrNext = (rtl ? getPreviousOption : getNextOption)();\n                    callback(key\n                    === "option" ? prevOrNext : prevOrNext[key]);\n                }\n                break;\n\n            case\n            "PageUp":\n                event.preventDefault();\n                var prevOrFirst = (event.ctrlKey ? getPreviousOption : getFirstOption)();\n                callback(key === "option" ? prevOrFirst : prevOrFirst[key]);\n                break;\n\n            case\n            "Home":\n                event.preventDefault();\n                var first = getFirstOption();\n                callback(key === "option" ? first : first[key]);\n                break;\n\n            case\n            "PageDown":\n                event.preventDefault();\n                var nextOrLast = (event.ctrlKey ?

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getNextOption : getLastOption());\n    callback(key === \"option\" ? nextOrLast : nextOrLast[key]);\n    break;\n  }\n  case \"End\":\n    event.preventDefault();\n    var last = getLastOption();\n    callback(key ===\n    \"option\" ? last : last[key]);\n    break;\n  }\n};\n\n////////////////////////////////////////////////////////////////\n\nexport { DescendantProvider, createDescendantContext,\nuseDescendant, useDescendantKeyDown, useDescendants, useDescendantsInit };\n\n/**\n * Detects right clicks\n */\n * @param nativeEvent\n */\nfunction isRightClick(nativeEvent) {\n  return \"which\" in nativeEvent ?\n  nativeEvent.which === 3 : \"button\" in nativeEvent ? nativeEvent.button === 2 : false;\n}\n\nexport { isRightClick\n};\n\nimport { useRef, useEffect } from 'react';\n\n/**\n * Returns the previous value of a reference after a\n component update.\n */\n * @param value\n */\nfunction usePrevious(value) {\n  var ref = useRef(null);\n  useEffect(function () {\n    ref.current = value;\n  }, [value]);\n  return ref.current;\n}\n\nexport { usePrevious\n};\n\nimport { useRef, useReducer, useEffect, createElement, useContext, useMemo, forwardRef, useState,\nuseCallback } from 'react';\nimport { useId } from '@reach/auto-id';\nimport { Popover } from\n '@reach/popover';\nimport { createDescendantContext, useDescendantsInit, DescendantProvider, useDescendants,\nuseDescendant, useDescendantKeyDown } from '@reach/descendants';\nimport { isRightClick } from\n '@reach/utills/is-right-click';\nimport { usePrevious } from '@reach/utills/use-previous';\nimport { \ngetOwnerDocument } from '@reach/utills/owner-document';\nimport { createNamedContext } from\n '@reach/utills/context';\nimport { isFunction, isString } from '@reach/utills/type-check';\nimport { makeId } from\n '@reach/utills/make-id';\nimport { useStatefulRefValue } from '@reach/utills/use-stateful-ref-value';\nimport { \nuseComposedRefs } from '@reach/utills/compose-refs';\nimport { composeEventHandlers } from\n '@reach/utills/compose-event-handlers';\n\nfunction _objectWithoutPropertiesLoose(source, excluded) {\n  if\n  (source == null) return {};\n  var target = {};\n  var sourceKeys = Object.keys(source);\n  var key, i;\n  for (i = 0; i\n  < sourceKeys.length; i++) {\n    key = sourceKeys[i];\n    if (excluded.indexOf(key) >= 0) continue;\n    target[key]\n  = source[key];\n  }\n  return target;\n}\n\nfunction _extends() {\n  _extends = Object.assign || function (target) {\n    for (var i = 1; i < arguments.length; i++) {\n      var source = arguments[i];\n      for (var key in source) {\n        if\n        (Object.prototype.hasOwnProperty.call(source, key)) {\n          target[key] = source[key];\n        }\n      }\n    }\n    return target;\n  };\n  return _extends.apply(this, arguments);\n}\n\nvar _excluded = [\"onKeyDown\",\n  \"onMouseDown\", \"id\", \"ref\"],\n  _excluded2 = [\"as\"],\n  _excluded3 = [\"index\", \"isLink\", \"onClick\", \n  \"onDragStart\", \"onMouseDown\", \"onMouseEnter\", \"onMouseLeave\", \"onMouseMove\", \"onMouseUp\", \n  \"onSelect\", \"disabled\", \"onFocus\", \"valueText\", \"ref\"],\n  _excluded4 = [\"as\"],\n  _excluded5 = [\"id\", \n  \"onKeyDown\", \"ref\"],\n  _excluded6 = [\"as\"],\n  _excluded7 = [\"onBlur\", \"portal\", \"position\", \"ref\"],\n  _excluded8 = [\"as\"];\n\n// Actions\nvar\nCLEAR_SELECTION_INDEX = \"CLEAR_SELECTION_INDEX\";\nvar CLICK_MENU_ITEM =\n  \"CLICK_MENU_ITEM\";\nvar CLOSE_MENU = \"CLOSE_MENU\";\nvar OPEN_MENU_AT_FIRST_ITEM =\n  \"OPEN_MENU_AT_FIRST_ITEM\";\nvar OPEN_MENU_AT_INDEX = \"OPEN_MENU_AT_INDEX\";\nvar\nOPEN_MENU_CLEARED = \"OPEN_MENU_CLEARED\";\nvar SEARCH_FOR_ITEM =\n  \"SEARCH_FOR_ITEM\";\nvar SELECT_ITEM_AT_INDEX = \"SELECT_ITEM_AT_INDEX\";\nvar\nSET_BUTTON_ID = \"SET_BUTTON_ID\";\nvar DropdownDescendantContext =\n  /*#__PURE__*/createDescendantContext(\"DropdownDescendantContext\");\nvar DropdownContext =\n  /*#__PURE__*/createNamedContext(\"DropdownContext\", {});\nvar initialState = {\n  // The button ID is needed\n  for aria controls and can be set directly and\n  // updated for top-level use via context. Otherwise a default is set by\n  useId.\n  // TODO: Consider deprecating direct ID in 1.0 in favor of id at the top level\n  // for passing\n  deterministic IDs to descendent components.\n  triggerId: null,\n  // Whether or not the dropdown is expanded\n  isExpanded: false,\n  // When a user begins typing a character string, the selection will change if\n  // a matching\n  item is found\n  typeaheadQuery: \"\",\n  // The index of the current selected item. When the selection is cleared a\n  // value of -1 is used.\n  selectionIndex: -1\n};\n\n////////////////////////////////////////////////////////////////\n\nDropdown!\n\nvar DropdownProvider = function DropdownProvider(_ref) {\n  var id = _ref.id,\n    children =\n  _ref.children;\n  var triggerRef = useRef(null);\n  var dropdownRef = useRef(null);\n  var popoverRef =\n  useRef(null);\n  var _useDescendantsInit = useDescendantsInit(),\n    descendants = _useDescendantsInit[0],\n
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!==( doc.activeElement && ownRef.current !== doc.activeElement) {\n    dropdownRef.current.focus();\n
}\n\n dispatch({\n    type: SELECT_ITEM_AT_INDEX,\n    payload: {\n        index: index\n    }\n });\n }\n }\n\n function handleMouseLeave(event) {\n    // Clear out selection when mouse over a non-dropdown-
item child.\n    dispatch({\n        type: CLEAR_SELECTION_INDEX\n    });\n }\n\n function
handleMouseMove(event) {\n    if (!readyToSelect.current) {\n        var threshold = 8;\n        var deltaX =
Math.abs(event.clientX - mouseDownStartPosRef.current.x);\n        var deltaY = Math.abs(event.clientY -
mouseDownStartPosRef.current.y);\n        if (deltaX > threshold || deltaY > threshold) {\n
readyToSelect.current = true;\n        }\n        }\n        if (!isSelected && index !== null && !disabled) {\n            dispatch({\n
                type: SELECT_ITEM_AT_INDEX,\n                payload: {\n                    index: index,\n                    dropdownRef: dropdownRef\n
                }\n            });\n        }\n        }\n\n function handleFocus() {\n        readyToSelect.current = true;\n        if (!isSelected &&
index !== null && !disabled) {\n            dispatch({\n                type: SELECT_ITEM_AT_INDEX,\n                payload: {\n
                    index: index\n                }\n            });\n        }\n        }\n\n function handleMouseUp(event) {\n        if
(isRightClick(event.nativeEvent)) {\n            return;\n        }\n        if (!readyToSelect.current) {\n            readyToSelect.current
= true;\n            return;\n        }\n        if (isLink) {\n            // If a mousedown event was initiated on a link item followed by a
mouseup\n            // event on the same link, we do nothing; a click event will come next and\n            // handle selection.
Otherwise, we trigger a click event.\n            if (mouseEventStarted.current) {\n                mouseEventStarted.current =
false;\n            } else if (ownRef.current) {\n                ownRef.current.click();\n            }\n            } else {\n                if (!disabled) {\n
                    select();\n                }\n            }\n        }\n\n        useEffect(function () {\n            if (isExpanded) {\n                // When the dropdown opens, wait
for about half a second before enabling\n                // selection. This is designed to mirror dropdown menus on macOS,
where\n                // opening a menu on top of a trigger would otherwise result in an\n                // immediate accidental selection
once the click trigger is released.\n                var id = window.setTimeout(function () {\n                    readyToSelect.current =
true;\n                }, 400);\n                return function () {\n                    window.clearTimeout(id);\n                }; \n            } else {\n                // When the
dropdown closes, reset readyToSelect for the next interaction.\n                readyToSelect.current = false;\n            }\n        }, [isExpanded, readyToSelect]); \n        // Any time a mouseup event occurs anywhere in the document, we reset the\n        //
mouseEventStarted ref so we can check it again when needed.\n\n        useEffect(function () {\n            var ownerDocument
= getOwnerDocument(ownRef.current);\n            ownerDocument.addEventListener("mouseup", listener);\n            return
function () {\n                ownerDocument.removeEventListener("mouseup", listener);\n            }; \n\n            function listener() {\n
                mouseEventStarted.current = false;\n            }\n        }, []);\n        return {\n            data: {\n                disabled: disabled\n            },\n            props:
_extends({\n                id: useItemId(index),\n                tabIndex: -1\n            }, props, {\n                ref: ref,\n                "data-disabled": disabled
? "" : undefined,\n                "data-selected": isSelected ? "" : undefined,\n                "data-valuetext": valueText,\n                onClick: composeEventHandlers(onClick, handleClick),\n                onDragStart: composeEventHandlers(onDragStart,
handleDragStart),\n                onMouseDown: composeEventHandlers(onMouseDown, handleMouseDown),\n                onMouseEnter: composeEventHandlers(onMouseEnter, handleMouseEnter),\n                onMouseLeave:
composeEventHandlers(onMouseLeave, handleMouseLeave),\n                onMouseMove:
composeEventHandlers(onMouseMove, handleMouseMove),\n                onFocus: composeEventHandlers(onFocus,
handleFocus),\n                onMouseUp: composeEventHandlers(onMouseUp, handleMouseUp)\n            })\n        }; \n    }\n\n    /**\n     *
DropdownItem\n     *\n     *\n     *var DropdownItem = /*#__PURE__*/forwardRef(function (_ref5, forwardedRef) {\n     *var
_ref5$as = _ref5.as,\n     *Comp = _ref5$as === void 0 ? "div" : _ref5$as,\n     *rest =
_objectWithoutPropertiesLoose(_ref5, _excluded4);\n     *\n     *var _useDropdownItem = useDropdownItem(_extends({
rest, {\n     *ref: forwardedRef\n     *}),\n     *props = _useDropdownItem.props;\n     *\n     *return
/*#__PURE__*/createElement(Comp, _extends({\n     *"data-reach-dropdown-item": ""\n     *}, props));\n     *});\n     *\n     *if
(process.env.NODE_ENV !== "production") {\n     *DropdownItem.displayName = "DropdownItem";\n     *}\n     *
////////////////////////////////////\n     *\n     *function useDropdownItems(_ref6) {\n     *_ref6.id;\n     *\n     *var onKeyDown = _ref6.onKeyDown,\n     *forwardedRef = _ref6.ref,\n     *props =
_objectWithoutPropertiesLoose(_ref6, _excluded5);\n     *\n     *var _useDropdownContext3 = useDropdownContext(),\n     *dispatch = _useDropdownContext3.dispatch,\n     *triggerRef = _useDropdownContext3.triggerRef,\n     *dropdownRef = _useDropdownContext3.dropdownRef,\n     *selectCallbacks =
_useDropdownContext3.selectCallbacks,\n     *dropdownId = _useDropdownContext3.dropdownId,\n

```

```

_useDropdownContext3$.state,\n    isExpanded =
_useDropdownContext3$.isExpanded,\n    triggerId = _useDropdownContext3$.triggerId,\n    selectionIndex =
_useDropdownContext3$.selectionIndex,\n    typeaheadQuery = _useDropdownContext3$.typeaheadQuery;\n\nvar items = useDropdownDescendants();\nvar ref = useComposedRefs(dropdownRef, forwardedRef);\n\nuseEffect(function () {\n  // Respond to user char key input with typeahead\n  var match =
  findItemFromTypeahead(items, typeaheadQuery);\n\n  if (typeaheadQuery && match !== null) {\n    dispatch({\n      type: SELECT_ITEM_AT_INDEX,\n      payload: {\n        index: match,\n        dropdownRef:
        dropdownRef\n      }\n    });\n\n    var timeout = window.setTimeout(function () {\n      return
      typeaheadQuery && dispatch({\n        type: SEARCH_FOR_ITEM,\n        payload: \"\"\n      });\n    }, 1000);\n\n    return function () {\n      return window.clearTimeout(timeout);\n    }; \n  }, [dispatch, items, typeaheadQuery,
  dropdownRef]);\n\nvar prevItemsLength = usePrevious(items.length);\nvar prevSelected =
  usePrevious(items[selectionIndex]);\nvar prevSelectionIndex = usePrevious(selectionIndex);\n\nuseEffect(function
  () {\n    if (selectionIndex > items.length - 1) {\n      // If for some reason our selection index is larger than our
      possible\n      // index range (let's say the last item is selected and the list\n      // dynamically updates), we need to
      select the last item in the list.\n      dispatch({\n        type: SELECT_ITEM_AT_INDEX,\n        payload: {\n
        index: items.length - 1,\n        dropdownRef: dropdownRef\n      }\n    });\n    } else if ( // Checks if\n    // - item
    length has changed\n    // - selection index has not changed BUT selected item has changed\n    /\n    // This
    prevents any dynamic adding/removing of items from actually\n    // changing a user's expected selection.\n    prevItemsLength !== items.length && selectionIndex > -1 && prevSelected && prevSelectionIndex ===
    selectionIndex && items[selectionIndex] !== prevSelected) {\n      dispatch({\n        type:
        SELECT_ITEM_AT_INDEX,\n        payload: {\n          index: items.findIndex(function (i) {\n            return i.key
            === (prevSelected == null ? void 0 : prevSelected.key);\n          }),\n          dropdownRef: dropdownRef\n        }\n      });\n    }\n  }, [dropdownRef, dispatch, items, prevItemsLength, prevSelected, prevSelectionIndex,
  selectionIndex]);\n\nvar handleKeyDown = composeEventHandlers(function handleKeyDown(event) {\n  var key =
  event.key;\n\n  if (!isExpanded) {\n    return;\n  }\n\n  switch (key) {\n    case \"Enter\":\n    case \" \":\n      var selected = items.find(function (item) {\n        return item.index === selectionIndex;\n      }); // For links, the
      Enter key will trigger a click by default, but for\n      // consistent behavior across items we'll trigger a click when
      the\n      // spacebar is pressed.\n      if (selected && !selected.disabled) {\n        event.preventDefault();\n\n        if (selected.isLink && selected.element) {\n          selected.element.click();\n        } else {\n          // Focus the
          button first by default when an item is selected.\n          // We fire the onSelect callback next so the app can
          manage\n          // focus if needed.\n          focus(triggerRef.current);\n\n          selectCallbacks.current[selected.index] && selectCallbacks.current[selected.index]();\n          dispatch({\n
            type: CLICK_MENU_ITEM\n          });\n          }\n          }\n          break;\n          case \"Escape\":\n          focus(triggerRef.current);\n          dispatch({\n            type: CLOSE_MENU\n          });\n          break;\n          case
          \"Tab\":\n            // prevent leaving\n            event.preventDefault();\n            break;\n            default:\n            // Check if a user
            is typing some char keys and respond by setting\n            // the query state.\n            if (isString(key) && key.length ===
            1) {\n              var query = typeaheadQuery + key.toLowerCase();\n              dispatch({\n                type:
                SEARCH_FOR_ITEM,\n                payload: query\n              });\n              }\n              }\n              break;\n              }\n              },\n\nuseDescendantKeyDown(DropdownDescendantContext, {\n  currentIndex: selectionIndex,\n  orientation:
  \"vertical\", \n  rotate: false,\n  filter: function filter(item) {\n    return !item.disabled;\n  },\n  callback: function
  callback(index) {\n    dispatch({\n      type: SELECT_ITEM_AT_INDEX,\n      payload: {\n        index:
        index,\n        dropdownRef: dropdownRef\n      }\n    });\n    },\n    key: \"index\"\n  });\n  return {\n    data: {\n      activeDescendant: useItemId(selectionIndex) || undefined,\n      triggerId: triggerId\n    },\n    props: _extends({\n      tabIndex: -1\n    }, props, {\n      ref: ref,\n      id: dropdownId,\n      onKeyDown:
      composeEventHandlers(onKeyDown, handleKeyDown)\n    });\n  });\n\n} * DropDownItem * /\n\nvar
  DropdownItems = /*# __PURE__ */forwardRef(function (_ref7, forwardedRef) {\n  var _ref7$as = _ref7.as,\n  Comp = _ref7$as === void 0 ? \"div\" : _ref7$as,\n  rest = _objectWithoutPropertiesLoose(_ref7,\n  _excluded6);\n\n  var _useDropdownItems = useDropdownItems(_extends({}, rest, {\n    ref: forwardedRef\n  })),\n

```



```

    props = _useDropdownItems.props;\n\n return /*#__PURE__*/createElement(Comp, _extends({\n  \"data-
reach-dropdown-items\": \"\"\n }, props));\n});\n\nif (process.env.NODE_ENV !== \"production\") {\n
DropdownItems.displayName = \"DropdownItems\";\n}
////////////////////////////////////////\n\nfunction useDropdownPopover(_ref8) {\n  var onBlur
= _ref8.onBlur,\n  _ref8$portal = _ref8.portal,\n  portal = _ref8$portal === void 0 ? true : _ref8$portal,\n
position = _ref8.position,\n  forwardedRef = _ref8.ref,\n  props = _objectWithoutPropertiesLoose(_ref8,
_excluded7);\n\n  var _useDropdownContext4 = useDropdownContext(),\n  triggerRef =
_useDropdownContext4.triggerRef,\n  triggerClickedRef = _useDropdownContext4.triggerClickedRef,\n
dispatch = _useDropdownContext4.dispatch,\n  dropdownRef = _useDropdownContext4.dropdownRef,\n
popoverRef = _useDropdownContext4.popoverRef,\n  isExpanded =
_useDropdownContext4.state.isExpanded;\n\n  var ref = useComposedRefs(popoverRef, forwardedRef);\n
useEffect(function () {\n    if (!isExpanded) {\n      return;\n    }\n\n    var ownerDocument =
getOwnerDocument(popoverRef.current);\n\n    function listener(event) {\n      if (triggerClickedRef.current) {\n
triggerClickedRef.current = false;\n      } else if (!popoverContainsEventTarget(popoverRef.current, event.target))
{\n        // We on want to close only if focus rests outside the dropdown\n        dispatch({\n          type:
CLOSE_MENU\n        });\n      }\n    }\n\n    ownerDocument.addEventListener(\"mousedown\", listener); // see
https://github.com/reach/reach-ui/pull/700#discussion_r530369265\n\n    ownerDocument.addEventListener(\"touchstart\", listener);\n\n    return function () {\n      ownerDocument.removeEventListener(\"mousedown\", listener); //
ownerDocument.removeEventListener(\"touchstart\", listener);\n    }; \n  }, [triggerClickedRef, triggerRef, dispatch,
dropdownRef, popoverRef, isExpanded]);\n  return {\n    data: {\n      portal: portal,\n      position: position,\n
targetRef: triggerRef,\n      isExpanded: isExpanded\n    },\n    props: _extends({\n      ref: ref,\n      hidden:
!isExpanded,\n      onBlur: composeEventHandlers(onBlur, function (event) {\n        if
(event.currentTarget.contains(event.relatedTarget)) {\n          return;\n        }\n\n        dispatch({\n          type:
CLOSE_MENU\n        });\n      })\n    }, props)\n  }; \n\n  var DropdownPopover =
/*#__PURE__*/forwardRef(function (_ref9, forwardedRef) {\n    var _ref9$as = _ref9.as,\n    Comp = _ref9$as ===
void 0 ? \"div\" : _ref9$as,\n    rest = _objectWithoutPropertiesLoose(_ref9, _excluded8);\n\n    var
_useDropdownPopover = useDropdownPopover(_extends({}, rest, {\n      ref: forwardedRef\n })),\n
_useDropdownPopover$d = _useDropdownPopover.data,\n    portal = _useDropdownPopover$d.portal,\n
targetRef = _useDropdownPopover$d.targetRef,\n    position = _useDropdownPopover$d.position,\n    props =
_useDropdownPopover.props;\n\n    var sharedProps = {\n      \"data-reach-dropdown-popover\": \"\"\n    }; \n    return
portal ? /*#__PURE__*/createElement(Popover, _extends({}, props, sharedProps, {\n      as: Comp,\n      targetRef:
targetRef,\n      position: position\n })): /*#__PURE__*/createElement(Comp, _extends({}, props,
sharedProps));\n  });\n\n  if (process.env.NODE_ENV !== \"production\") {\n    DropdownPopover.displayName =
\"DropdownPopover\";\n  } //////////////////////////////////////////\n\n  * * * When a user's typed
input matches the string displayed in an item, it is\n  * * * expected that the matching item is selected. This is our
matching function.\n  * \n\n  function findItemFromTypeahead(items, string) {\n    if (string === void 0) {\n      string
= \"\";\n    }\n\n    if (!string) {\n      return null;\n    }\n\n    var found = items.find(function (item) {\n      var _item$element,
_item$element$dataset, _item$element$dataset2;\n\n      return item.disabled ? false : (_item$element = item.element)
=== null ? void 0 : (_item$element$dataset = _item$element.dataset) === null ? void 0 : (_item$element$dataset2 =
_item$element$dataset2.toLowerCase().startsWith(string);\n    });\n    return found ? items.indexOf(found) : null;\n  }\n\n  function useItemId(index) {\n    var _React$useContext =
useContext(DropdownContext),\n    dropdownId = _React$useContext.dropdownId;\n\n    return index != null &&
index > -1 ? makeId(\"option-\" + index, dropdownId) : undefined;\n  }\n\n  function focus(element) {\n    element &&
element.focus();\n  }\n\n  function popoverContainsEventTarget(popover, target) {\n    return !(popover &&
popover.contains(target));\n  }\n\n  function reducer(state, action) {\n    if (action === void 0) {\n      action = {};\n    }\n\n    switch (action.type) {\n      case CLICK_MENU_ITEM:\n        return _extends({}, state, {\n          isExpanded: false,\n
selectionIndex: -1\n        });\n      case CLOSE_MENU:\n        return _extends({}, state, {\n          isExpanded:

```


TODO: Should probably file a but in jsx-a11y, but this is correct
// according to https://www.w3.org/TR/wai-aria-practices-1.2/examples/menu-button/menu-button-actions-active-descendant.html
// eslint-disable-next-line jsx-a11y/aria-activedescendant-has-tabindex
createElement(Comp // Refers to the descendant menuitem element that is visually indicated
// as focused.
// https://www.w3.org/TR/wai-aria-practices-1.2/examples/menu-button/menu-button-actions-active-descendant.html
 , _extends({
 "aria-activedescendant": activeDescendant // Refers to the element that contains the accessible name for the
 // `menu`. The menu is labeled by the menu button.
 // https://www.w3.org/TR/wai-aria-practices-1.2/examples/menu-button/menu-button-actions-active-descendant.html
 ,
 "aria-labelledby": triggerId || undefined // The element that contains the menu items displayed by activating the
 // button has role menu.
 // https://www.w3.org/TR/wai-aria-practices-1.2/#menubutton
 ,
 role: "menu"
 }, props, {
 "data-reach-menu-items": ""
 }));
};
@see Docs https://reach.tech/menu-button#menuitems-props
nif (process.env.NODE_ENV !== "production") {
 MenuItems.displayName = "MenuItems";
 MenuItems.propTypes = {
 children: PropTypes.node
 };
} // Handles linking to a different page in the menu. By default it renders `<a>`, but also accepts any other kind of Link as long as the `Link` uses the `React.forwardRef` API.
Must be a direct child of a `<MenuList>`.
@see Docs https://reach.tech/menu-button#menulink
nvar MenuLink = /*#__PURE__*/forwardRef(function (_ref6, forwardedRef) {
 var _ref6\$as = _ref6.as,
 as = _ref6\$as === void 0 ? "a" : _ref6\$as,
 component = _ref6.component,
 onSelect = _ref6.onSelect,
 props = _objectWithoutPropertiesLoose(_ref6, _excluded6);
 useDevWarning(!component, "[@reach/menu-button]: Please use the `as` prop instead of `component`");
 return /*#__PURE__*/createElement(MenuItemImpl, _extends({}, props, {
 ref: forwardedRef,
 "data-reach-menu-link": "",
 as: as,
 isLink: true,
 onSelect: onSelect || noop
 }));
});
@see Docs https://reach.tech/menu-button#menulink-props
nif (process.env.NODE_ENV !== "production") {
 MenuLink.displayName = "MenuLink";
 MenuLink.propTypes = {
 as: PropTypes.any
 };
} // Wraps a DOM element that renders the menu items. Must be rendered inside of a `<Menu>`.
@see Docs https://reach.tech/menu-button#menulist
nvar MenuList = /*#__PURE__*/forwardRef(function (_ref7, forwardedRef) {
 var _ref7\$portal = _ref7.portal,
 portal = _ref7\$portal === void 0 ? true : _ref7\$portal,
 props = _objectWithoutPropertiesLoose(_ref7, _excluded7);
 return /*#__PURE__*/createElement(MenuPopover, {
 portal: portal
 }, /*#__PURE__*/createElement(MenuItems, _extends({}, props, {
 ref: forwardedRef,
 "data-reach-menu-list": ""
 }));
});
@see Docs https://reach.tech/menu-button#menulist-props
nif (process.env.NODE_ENV !== "production") {
 MenuList.displayName = "MenuList";
 MenuList.propTypes = {
 children: PropTypes.node.isRequired
 };
} // A low-level wrapper for the popover that appears when a menu button is open.
You can compose it with `MenuItems` for more control over the nested components and their rendered DOM nodes, or if you need to nest arbitrary components between the outer wrapper and your list.
@see Docs https://reach.tech/menu-button#menupopover
nvar MenuPopover = /*#__PURE__*/forwardRef(function (_ref8, forwardedRef) {
 var _ref8\$as = _ref8.as,
 Comp = _ref8\$as === void 0 ? "div" : _ref8\$as,
 rest = _objectWithoutPropertiesLoose(_ref8, _excluded8);
 var _useDropdownPopover = useDropdownPopover(_extends({}, rest, {
 ref: forwardedRef
 })),
 _useDropdownPopover\$d = _useDropdownPopover.data,
 portal = _useDropdownPopover\$d.portal,
 targetRef = _useDropdownPopover\$d.targetRef,
 position = _useDropdownPopover\$d.position,
 props = _useDropdownPopover.props;
 var sharedProps = {
 "data-reach-menu-popover": ""
 };
 return portal ? /*#__PURE__*/createElement(Popover, _extends({}, props, sharedProps, {
 as: Comp,
 targetRef: targetRef,
 position: position
 })): /*#__PURE__*/createElement(Comp, _extends({}, props, sharedProps));
});
@see Docs https://reach.tech/menu-button#menupopover-props
nif (process.env.NODE_ENV !== "production") {
 MenuPopover.displayName = "MenuPopover";
}

```

MenuPopover.propTypes = {
  children: PropTypes.node
};

// A hook that exposes data for a given `Menu`
// component to its descendants.
// @see Docs https://reach.tech/menu-button#usemenubuttoncontext
function useMenuButtonContext() {
  var _useDropdownContext = useDropdownContext(),
  isExpanded = _useDropdownContext.state.isExpanded;
  return useMemo(function () {
    return {
      isExpanded: isExpanded
    }, [isExpanded]
  );
}

// eslint-disable react-hooks/rules-of-hooks
function useDevWarning(condition, message) {
  if (process.env.NODE_ENV !== "production") {
    var messageRef = useRef(message);
    useEffect(function () {
      messageRef.current = message;
    }, [message]);
    useEffect(function () {
      process.env.NODE_ENV !== "production" ? warning(condition, messageRef.current) : void 0;
    }, [condition]);
    // eslint-enable react-hooks/rules-of-hooks
  }
}

export { Menu, MenuButton, MenuItem, MenuItems, MenuLink, MenuList, MenuPopover, useMenuButtonContext };

/**
 * Copyright (c) Meta Platforms, Inc. and affiliates.
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 */
import * as React from 'react';
import { Menu, MenuList as ReachMenuList, MenuButton, MenuItem, } from '@reach/menu-button';
import useThemeStyles from '../useThemeStyles';
const MenuList = ({ children, ...props }: { children: React$Node, ...}):
React.Node => {
  const style = useThemeStyles();
  return (
    // $FlowFixMe[cannot-spread-inexact] unsafe spread
    <ReachMenuList style={style} {...props}>
      {children}
    </ReachMenuList>
  );
};

export { MenuItem, MenuButton, MenuList, Menu };

/**
 * Copyright (c) Meta Platforms, Inc. and affiliates.
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 */
import * as React from 'react';
import { Fragment, useCallback, useContext, useLayoutEffect, useReducer, useRef, useState, } from 'react';
import Button from '../Button';
import ButtonIcon from '../ButtonIcon';
import Toggle from '../Toggle';
import Badge from '../Badge';
import { OwnersListContext } from './OwnersListContext';
import { TreeDispatcherContext, TreeStateContext } from './TreeContext';
import { useIsOverflowing } from '../hooks';
import { StoreContext } from './context';
import Tooltip from '../Components/reach-ui/tooltip';
import { Menu, MenuList, MenuButton, MenuItem, } from '../Components/reach-ui/menu-button';
import type { SerializedElement } from './types';
import styles from './OwnersStack.css';
type SelectOwner = (owner: SerializedElement | null) => void;
type ACTION_UPDATE_OWNER_ID = {
  type: 'UPDATE_OWNER_ID',
  ownerID: number | null,
  owners: Array<SerializedElement>,
};
type ACTION_UPDATE_SELECTED_INDEX = {
  type: 'UPDATE_SELECTED_INDEX',
  selectedIndex: number,
};
type Action = ACTION_UPDATE_OWNER_ID | ACTION_UPDATE_SELECTED_INDEX;
type State = {
  ownerID: number | null,
  owners: Array<SerializedElement>,
  selectedIndex: number,
};
function dialogReducer(state: State, action: Action) {
  switch (action.type) {
    case 'UPDATE_OWNER_ID':
      const selectedIndex = action.owners.findIndex(
        owner => owner.id === action.ownerID,
      );
      return {
        ownerID: action.ownerID,
        owners: action.owners,
        selectedIndex,
      };
    case 'UPDATE_SELECTED_INDEX':
      return {
        ...state,
        selectedIndex: action.selectedIndex,
      };
    default:
      throw new Error(`Invalid action "${action.type}"`);
  }
}
export default function OwnerStack():
React.Node {
  const read = useContext(OwnersListContext);
  const { ownerID } =
  useContext(TreeStateContext);
  const treeDispatch = useContext(TreeDispatcherContext);
  const [state, dispatch] = useReducer<State, State, Action>(dialogReducer, {
    ownerID: null,
    owners: [],
    selectedIndex: 0,
  });
  // When an owner is selected, we either need to update the selected index, or we need to fetch a new list of owners.
  // We use a reducer here so that we can avoid fetching a new list unless the owner ID has actually changed.
  if (ownerID === null) {
    dispatch({
      type: 'UPDATE_OWNER_ID',
      ownerID: null,
      owners: [],
    });
  } else if (ownerID !== state.ownerID) {
    const isInStore = state.owners.findIndex(
      owner => owner.id === ownerID
    ) >= 0;
    dispatch({
      type: 'UPDATE_OWNER_ID',
      ownerID,
      owners: isInStore ? state.owners : read(ownerID) || [],
    });
  }
}

```

```

const {owners, selectedIndex} = state;\n\n const selectOwner = useCallback<SelectOwner>(\n  (owner:
SerializedElement | null) => {\n    if (owner !== null) {\n      const index = owners.indexOf(owner);\n
dispatch({\n      type: 'UPDATE_SELECTED_INDEX',\n      selectedIndex: index >= 0 ? index : 0,\n    });\n
treeDispatch({type: 'SELECT_OWNER', payload: owner.id});\n    } else {\n      dispatch({\n      type:
'UPDATE_SELECTED_INDEX',\n      selectedIndex: 0,\n    });\n      treeDispatch({type:
'RESET_OWNER_STACK'});\n    } }\n  },\n  [owners, treeDispatch],\n);\n\n const [elementsTotalWidth,
setElementsTotalWidth] = useState(0);\n const elementsBarRef = useRef<HTMLDivElement | null>(null);\n const
isOverflowing = useIsOverflowing(elementsBarRef, elementsTotalWidth);\n\n const selectedOwner =
owners[selectedIndex];\n\n useLayoutEffect(() => {\n  // If we're already overflowing, then we don't need to re-
measure items.\n  // That's because once the owners stack is open, it can only get larger (by drilling in).\n  // A
totally new stack can only be reached by exiting this mode and re-entering it.\n  if (elementsBarRef.current ===
null || isOverflowing) {\n    return () => {};\n  }\n\n  let totalWidth = 0;\n  for (let i = 0; i < owners.length; i++)
{\n    const element = elementsBarRef.current.children[i];\n    const computedStyle =
getComputedStyle(element);\n\n    totalWidth +=\n      element.offsetWidth +\n      parseInt(computedStyle.marginLeft, 10) +\n      parseInt(computedStyle.marginRight, 10);\n  }\n\n  setElementsTotalWidth(totalWidth);\n }, [elementsBarRef, isOverflowing, owners.length]);\n\n return (\n  <div
className={styles.OwnerStack}>\n    <div className={styles.Bar} ref={elementsBarRef}>\n      <ElementsDropdown\n        owners={owners}\n
selectedIndex={selectedIndex}\n        selectOwner={selectOwner}\n      />\n      <BackToOwnerButton\n
owners={owners}\n        selectedIndex={selectedIndex}\n        selectOwner={selectOwner}\n
/>\n      {selectedOwner != null && (\n        <ElementView\n          owner={selectedOwner}\n
isSelected={true}\n          selectOwner={selectOwner}\n        />\n      )}\n    </Fragment>\n  )\n  {\n    !isOverflowing &&\n      owners.map((owner, index) => (\n        <ElementView\n          key={index}\n
owner={owner}\n          isSelected={index === selectedIndex}\n          selectOwner={selectOwner}\n
/>\n      ))\n  }\n  </div>\n  <div className={styles.VRule} />\n  <Button\n
className={styles.IconButton}\n    onClick={() => selectOwner(null)}\n    title="Back to tree view">\n
<ButtonIcon type="close" />\n  </Button>\n </div>\n);\n\n\n\n\ntype ElementsDropdownProps = {\n  owners:
Array<SerializedElement>,\n  selectedIndex: number,\n  selectOwner: SelectOwner,\n  ...;\n};\n\nfunction
ElementsDropdown({\n  owners,\n  selectedIndex,\n  selectOwner,\n}: ElementsDropdownProps) {\n  const store =
useContext(StoreContext);\n\n  const menuItems = [];\n  for (let index = owners.length - 1; index >= 0; index--) {\n
const owner = owners[index];\n    const isInStore = store.containsElement(owner.id);\n    menuItems.push(\n
<MenuItem\n      key={owner.id}\n      className={` ${styles.Component} ${isInStore ? " " :
styles.NotInStore}`}\n      onSelect={() => (isInStore ? selectOwner(owner) : null)}>\n
{owner.displayName}\n      <Badge\n        className={styles.Badge}\n
hocDisplayNames={owner.hocDisplayNames}\n        type={owner.type}\n      />\n    </MenuItem>,\n  );\n
}\n\n  return (\n    <Menu>\n      <MenuButton className={styles.MenuButton}>\n        <Tooltip label="Open
elements dropdown">\n          <span className={styles.MenuButtonContent} tabIndex=-1>\n
<ButtonIcon type="more" />\n          </span>\n        </Tooltip>\n      </MenuButton>\n      <MenuList
className={styles.Modal}>{menuItems}</MenuList>\n    </Menu>\n  );\n\n\n\ntype ElementViewProps = {\n
isSelected: boolean,\n  owner: SerializedElement,\n  selectOwner: SelectOwner,\n  ...;\n};\n\nfunction
ElementView({isSelected, owner, selectOwner}: ElementViewProps) {\n  const store =
useContext(StoreContext);\n\n  const {displayName, hocDisplayNames, type} = owner;\n  const isInStore =
store.containsElement(owner.id);\n\n  const handleChange = useCallback(() => {\n    if (isInStore) {\n
selectOwner(owner);\n    } }\n  }, [isInStore, selectOwner, owner]);\n\n  return (\n    <Toggle\n
className={` ${styles.Component} ${isInStore ? " " : styles.NotInStore}`}\n    isChecked={isSelected}\n
onChange={handleChange}>\n      {displayName}\n      <Badge\n        className={styles.Badge}\n
hocDisplayNames={hocDisplayNames}\n        type={type}\n      />\n    </Toggle>\n  );\n\n\n\ntype
BackToOwnerButtonProps = {\n  owners: Array<SerializedElement>,\n  selectedIndex: number,\n  selectOwner:

```

```

SelectOwner,\n};\n\nfunction BackToOwnerButton({\n  owners,\n  selectedIndex,\n  selectOwner,\n}:
BackToOwnerButtonProps) {\n  const store = useContext(StoreContext);\n  if (selectedIndex <= 0) {\n    return
null;\n  }\n  const owner = owners[selectedIndex - 1];\n  const isInStore = store.containsElement(owner.id);\n  return (\n    <Button\n      className={isInStore ? undefined : styles.NotInStore}\n      onClick={() => (isInStore ?
selectOwner(owner) : null)}\n      title={`Up to ${owner.displayName || 'owner'}`}\n    <ButtonIcon
type="previous" />\n  </Button>\n );\n}\n\n"/>**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n *
This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\nimport * as React from 'react';\nimport {useEffect, useRef} from 'react';\nimport Button
from './Button';\nimport ButtonIcon from './ButtonIcon';\nimport Icon from './Icon';\nimport styles from
 './SearchInput.css';\n\ntype Props = {\n  goToNextResult: () => void,\n  goToPreviousResult: () => void,\n
placeholder: string,\n  search: (text: string) => void,\n  searchIndex: number,\n  searchResultsCount: number,\n
searchText: string,\n  testName?: ?string,\n};\n\nexport default function SearchInput({\n  goToNextResult,\n
goToPreviousResult,\n  placeholder,\n  search,\n  searchIndex,\n  searchResultsCount,\n  searchText,\n
testName,\n}: Props): React.Node {\n  const inputRef = useRef<HTMLInputElement | null>(null);\n  const
resetSearch = () => search("");\n  // $FlowFixMe[missing-local-annot]\n  const handleChange = ({currentTarget})
=> {\n    search(currentTarget.value);\n  }; \n  // $FlowFixMe[missing-local-annot]\n  const handleKeyPress = ({key,
shiftKey}) => {\n    if (key === 'Enter') {\n      if (shiftKey) {\n        goToPreviousResult();\n      } else {\n
goToNextResult();\n      }\n    }\n  }; \n  // Auto-focus search input\n  useEffect(() => {\n    if (inputRef.current ===
null) {\n      return () => {};\n    }\n    const handleKeyDown = (event: KeyboardEvent) => {\n      const {key,
metaKey} = event;\n      if (key === 'f' && metaKey) {\n        if (inputRef.current !== null) {\n
inputRef.current.focus();\n          event.preventDefault();\n          event.stopPropagation();\n        }\n      }\n    };\n    // It's important to listen to the ownerDocument to support the browser extension.\n    // Here we use portals
to render individual tabs (e.g. Profiler),\n    // and the root document might belong to a different window.\n    const
ownerDocument = inputRef.current.ownerDocument;\n    ownerDocument.addEventListener('keydown',
handleKeyDown);\n    return () => ownerDocument.removeEventListener('keydown', handleKeyDown);\n  },
[]);\n  return (\n    <div className={styles.SearchInput} data-testname={testName}>\n      <Icon
className={styles.InputIcon} type="search" />\n      <input\n        data-testname={testName ? `${testName}-
Input` : undefined}\n        className={styles.Input}\n        onChange={handleChange}\n        onKeyPress={handleKeyPress}\n        placeholder={placeholder}\n        ref={inputRef}\n        value={searchText}\n      />\n      {!!searchText && (\n        <React.Fragment>\n          <span>\n
className={styles.IndexLabel}\n            data-testname={testName ? `${testName}-ResultsCount` : undefined}>\n
          {Math.min(searchIndex + 1, searchResultsCount)} |{' '\n            {searchResultsCount}\n          </span>\n
<div className={styles.LeftVRule} />\n          <Button\n            data-testname={testName ? `${testName}-
PreviousButton` : undefined}\n            className={styles.IconButton}\n            disabled={!searchText}\n
onClick={goToPreviousResult}\n            title={\n              <React.Fragment>\n                Scroll to previous search
result (<kbd>Shift</kbd> +{' '\n                  <kbd>Enter</kbd>)\n              </React.Fragment>\n            }\n          <ButtonIcon type="up" />\n          </Button>\n          <Button\n            data-testname={testName ? `${testName}-
NextButton` : undefined}\n            className={styles.IconButton}\n            disabled={!searchText}\n
onClick={goToNextResult}\n            title={\n              <React.Fragment>\n                Scroll to next search result
(<kbd>Enter</kbd>)\n              </React.Fragment>\n            }\n          >\n          <ButtonIcon type="down" />\n
</Button>\n          <Button\n            data-testname={testName ? `${testName}-ResetButton` : undefined}\n            className={styles.IconButton}\n            disabled={!searchText}\n            onClick={resetSearch}\n
title="Reset search">\n          <ButtonIcon type="close" />\n          </Button>\n        </React.Fragment>\n      )\n    </div>\n );\n}\n\n"/>**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n
*/\n\nimport * as React from 'react';\nimport {useContext} from 'react';\nimport {TreeDispatcherContext,
TreeStateContext} from './TreeContext';\n\nimport SearchInput from './SearchInput';\n\ntype Props = {};\n\nexport
default function ComponentSearchInput(props: Props): React.Node {\n  const {searchIndex, searchResults,

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searchText} = useContext(TreeStateContext);\n const dispatch = useContext(TreeDispatcherContext);\n\n const
search = (text: string) =>\n  dispatch({type: 'SET_SEARCH_TEXT', payload: text});\n const goToNextResult = ()
=> dispatch({type: 'GO_TO_NEXT_SEARCH_RESULT'});\n const goToPreviousResult = () =>\n
dispatch({type: 'GO_TO_PREVIOUS_SEARCH_RESULT'});\n\n return (\n  <SearchInput\n
goToNextResult={goToNextResult}\n  goToPreviousResult={goToPreviousResult}\n  placeholder="Search
(text or /regex/)"\n  search={search}\n  searchIndex={searchIndex}\n
searchResultsCount={searchResults.length}\n  searchText={searchText}\n
testName="ComponentSearchInput"\n  />\n );\n\n",/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n
*\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this
source tree.\n *\n * @flow\n */\n\nimport type {ReactContext} from 'shared/ReactTypes';\n\nimport * as React from
'react';\nimport {createContext, useMemo, useState} from 'react';\n\nexport type DisplayDensity = 'comfortable' |
'compact';\nexport type Theme = 'auto' | 'light' | 'dark';\n\ntype Context = {\n  isModalShowing: boolean,\n
setIsModalShowing: (value: boolean) => void,\n  ...;\n};\n\nconst SettingsModalContext: ReactContext<Context> =
createContext<Context>(\n  (null: any): Context,\n);\n\nSettingsModalContext.displayName =
'SettingsModalContext';\n\nfunction SettingsModalContextController({\n  children,\n}: {\n  children:
React$Node,\n}): React.Node {\n  const [isModalShowing, setIsModalShowing] = useState<boolean>(false);\n\n
const value = useMemo(\n  () => ({isModalShowing, setIsModalShowing}),\n  [isModalShowing,
setIsModalShowing],\n);\n\n return (\n  <SettingsModalContext.Provider value={value}>\n    {children}\n
</SettingsModalContext.Provider>\n  );\n\n\nexport {SettingsModalContext,
SettingsModalContextController};\n\n",/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source
code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n
* @flow\n */\n\nimport * as React from 'react';\nimport {useCallback, useContext, useMemo} from 'react';\nimport
{SettingsModalContext} from './SettingsModalContext';\nimport Button from './Button';\nimport ButtonIcon from
'./ButtonIcon';\nimport {StoreContext} from './context';\nimport {useSubscription} from './hooks';\n\nexport
default function SettingsModalContextToggle(): React.Node {\n  const {setIsModalShowing} =
useContext(SettingsModalContext);\n  const store = useContext(StoreContext);\n  const {profilerStore} = store;\n\n
const showFilterModal = useCallback(\n  () => setIsModalShowing(true),\n  [setIsModalShowing],\n);\n\n //
Updating preferences while profiling is in progress could break things (e.g. filtering)\n // Explicitly disallow it for
now.\n  const isProfilingSubscription = useMemo(\n  () => ({\n    getCurrentValue: () =>
profilerStore.isProfiling,\n    subscribe: (callback: Function) => {\n      profilerStore.addListener('isProfiling',
callback);\n      return () => profilerStore.removeListener('isProfiling', callback);\n    },\n  })),\n  [profilerStore],\n);\n  const isProfiling = useSubscription<boolean>(isProfilingSubscription);\n\n return (\n
<Button\n  disabled={isProfiling}\n  onClick={showFilterModal}\n  title="View settings">\n
<ButtonIcon type="settings" />\n </Button>\n );\n\n",/**\n * Copyright (c) Meta Platforms, Inc. and
affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n *\n * @flow\n */\n\nimport type {ReactContext} from
'shared/ReactTypes';\n\nimport {createContext} from 'react';\n\nconst TreeFocusedContext: ReactContext<boolean>
= createContext<boolean>(false);\n\nexport default TreeFocusedContext;\n\n",/**\n * Copyright (c) Meta Platforms,
Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the
root directory of this source tree.\n *\n * @flow\n */\n\nimport type {Element} from './types';\nimport * as React
from 'react';\nimport {useContext, useMemo} from 'react';\nimport {TreeStateContext} from
'./TreeContext';\nimport {SettingsContext} from './Settings/SettingsContext';\nimport TreeFocusedContext from
'./TreeFocusedContext';\nimport {StoreContext} from './context';\nimport {useSubscription} from
'./hooks';\nimport styles from './SelectedTreeHighlight.css';\n\ntype Data = {\n  startIndex: number,\n  stopIndex:
number,\n};\n\nexport default function SelectedTreeHighlight(_: {}): React.Node {\n  const {lineHeight} =
useContext(SettingsContext);\n  const store = useContext(StoreContext);\n  const treeFocused =
useContext(TreeFocusedContext);\n  const {ownerID, selectedElementID} = useContext(TreeStateContext);\n\n
const subscription = useMemo(\n  () => ({\n    getCurrentValue: () => {\n      if (\n        selectedElementID ===

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null ||\n      store.isInsideCollapsedSubTree(selectedElementID)\n    ) {\n      return null;\n    }\n\n    const element = store.getElementByID(selectedElementID);\n    if (\n      element === null ||\n      element.isCollapsed ||\n      element.children.length === 0\n    ) {\n      return null;\n    }\n\n    const\n    startIndex = store.getIndexOfElementID(element.children[0]);\n    if (startIndex === null) {\n      return null;\n    }\n\n    let stopIndex = null;\n    let current: null | Element = element;\n    while (current !== null) {\n      if (current.isCollapsed || current.children.length === 0) {\n        // We've found the last/deepest descendant.\n        stopIndex = store.getIndexOfElementID(current.id);\n        current = null;\n      } else {\n        const\n        lastChildID = current.children[current.children.length - 1];\n        current = store.getElementByID(lastChildID);\n      }\n    }\n\n    if (stopIndex === null) {\n      return null;\n    }\n\n    return {\n      startIndex,\n      stopIndex,\n    };\n  },\n  subscribe: (callback: Function) => {\n    store.addListener('mutated', callback);\n    return () => {\n      store.removeListener('mutated', callback);\n    };,\n  },\n  },\n  ],\n  [selectedElementID,\n  store],\n );\n\nconst data = useSubscription<Data | null>(subscription);\n\nif (ownerID !== null) {\n  return null;\n}\n\nif (data === null) {\n  return null;\n}\n\nconst {startIndex, stopIndex} = data;\n\nreturn (\n  <div\n    className={treeFocused ? styles.Active : styles.Inactive}\n    style={{\n      position: 'absolute',\n      top:\n      `${startIndex * lineHeight}px`,\n      height: `${(stopIndex + 1 - startIndex) * lineHeight}px`,\n    }}\n  />\n);\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the\n * MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nexport\n\ndefault class TimeoutError extends Error {\n  constructor(message: string) {\n    super(message);\n  }\n\n  // Maintains\n  proper stack trace for where our error was thrown (only available on V8)\n  if (Error.captureStackTrace) {\n    Error.captureStackTrace(this, TimeoutError);\n  }\n\n  this.name = 'TimeoutError';\n}\n\n"/**\n * Copyright\n * (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport {hydrate, fillInPath} from\n'react-devtools-shared/src/hydration';\nimport {separateDisplayNameAndHOCs} from 'react-devtools-\nshared/src/utils';\nimport Store from 'react-devtools-shared/src/devtools/store';\nimport TimeoutError from 'react-\ndevtools-shared/src/errors/TimeoutError';\nimport type {\n  InspectedElement as InspectedElementBackend,\n  InspectedElementPayload,\n} from 'react-devtools-shared/src/backend/types';\nimport type {\n  BackendEvents,\n  FrontendBridge,\n} from 'react-devtools-shared/src/bridge';\nimport type {\n  DehydratedData,\n  InspectedElement\nas InspectedElementFrontend,\n} from 'react-devtools-shared/src/devtools/views/Components/types';\n\nexport\n\nfunction clearErrorsAndWarnings({\n  bridge,\n  store,\n}: {\n  bridge: FrontendBridge,\n  store: Store,\n}): void {\n  store.rootIDToRendererID.forEach(rendererID => {\n    bridge.send('clearErrorsAndWarnings', {rendererID});\n  });\n}\n\nexport\n\nfunction clearErrorsForElement({\n  bridge,\n  id,\n  rendererID,\n}: {\n  bridge: FrontendBridge,\n  id: number,\n  rendererID: number,\n}): void {\n  bridge.send('clearErrorsForFiberID', {\n    rendererID,\n    id,\n  });\n}\n\nexport\n\nfunction clearWarningsForElement({\n  bridge,\n  id,\n  rendererID,\n}: {\n  bridge:\n  FrontendBridge,\n  id: number,\n  rendererID: number,\n}): void {\n  bridge.send('clearWarningsForFiberID', {\n    rendererID,\n    id,\n  });\n}\n\nexport\n\nfunction copyInspectedElementPath({\n  bridge,\n  id,\n  path,\n  rendererID,\n}: {\n  bridge: FrontendBridge,\n  id: number,\n  path: Array<string | number>,\n  rendererID:\n  number,\n}): void {\n  bridge.send('copyElementPath', {\n    id,\n    path,\n    rendererID,\n  });\n}\n\nexport\n\nfunction inspectElement({\n  bridge,\n  forceFullData,\n  id,\n  path,\n  rendererID,\n}: {\n  bridge:\n  FrontendBridge,\n  forceFullData: boolean,\n  id: number,\n  path: Array<string | number> | null,\n  rendererID:\n  number,\n}): Promise<InspectedElementPayload> {\n  const requestID = requestCounter++;\n  const promise =\n  getPromiseForRequestID<InspectedElementPayload>(\n    requestID,\n    'inspectedElement',\n    bridge,\n    `Timed\n    out while inspecting element ${id}`.\n  );\n  bridge.send('inspectElement', {\n    forceFullData,\n    id,\n    path,\n    rendererID,\n    requestID,\n  });\n  return promise;\n}\n\nlet storeAsGlobalCount = 0;\n\nexport\n\nfunction\n  storeAsGlobal({\n    bridge,\n    id,\n    path,\n    rendererID,\n}: {\n  bridge: FrontendBridge,\n  id: number,\n  path:\n  Array<string | number>,\n  rendererID: number,\n}): void {\n  bridge.send('storeAsGlobal', {\n    count:\n    storeAsGlobalCount++,\n    id,\n    path,\n    rendererID,\n  });\n}\n\nconst TIMEOUT_DELAY = 5000;\n\nlet\n  requestCounter = 0;\n\nfunction\n  getPromiseForRequestID<T>(\n    requestID: number,\n    eventType:\n    $Keys<BackendEvents>,\n    bridge: FrontendBridge,\n    timeoutMessage: string,\n  ): Promise<T> {\n  return new

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Promise((resolve, reject) => {\n  const cleanup = () => {\n    bridge.removeListener(eventType,\n    onInspectedElement);\n\n    clearTimeout(timeoutID);\n  };\n\n  const onInspectedElement = (data: any) => {\n    if (data.responseID === requestID) {\n      cleanup();\n      resolve((data: T));\n    }\n  };\n\n  const\n  onTimeout = () => {\n    cleanup();\n    reject(new TimeoutError(timeoutMessage));\n  };\n\n  bridge.addListener(eventType, onInspectedElement);\n\n  const timeoutID = setTimeout(onTimeout,\n  TIMEOUT_DELAY);\n  });\n}\n\nexport function cloneInspectedElementWithPath(\n  inspectedElement:\n  InspectedElementFrontend,\n  path: Array<string | number>,\n  value: Object,\n): InspectedElementFrontend {\n  const hydratedValue = hydrateHelper(value, path);\n  const clonedInspectedElement = {...inspectedElement};\n\n  fillInPath(clonedInspectedElement, value, path, hydratedValue);\n\n  return clonedInspectedElement;\n}\n\nexport\n  function convertInspectedElementBackendToFrontend(\n    inspectedElementBackend:\n    InspectedElementBackend,\n  ): InspectedElementFrontend {\n    const {\n      canEditFunctionProps,\n      canEditFunctionPropsDeletePaths,\n      canEditFunctionPropsRenamePaths,\n      canEditHooks,\n      canEditHooksAndDeletePaths,\n      canEditHooksAndRenamePaths,\n      canToggleError,\n      isErrored,\n      targetErrorBoundaryID,\n      canToggleSuspense,\n      canViewSource,\n      hasLegacyContext,\n      id,\n      source,\n      type,\n      owners,\n      context,\n      hooks,\n      plugins,\n      props,\n      rendererPackageName,\n      rendererVersion,\n      rootType,\n      state,\n      key,\n      errors,\n      warnings,\n    } = inspectedElementBackend;\n\n    const\n    inspectedElement: InspectedElementFrontend = {\n      canEditFunctionProps,\n      canEditFunctionPropsDeletePaths,\n      canEditFunctionPropsRenamePaths,\n      canEditHooks,\n      canEditHooksAndDeletePaths,\n      canEditHooksAndRenamePaths,\n      canToggleError,\n      isErrored,\n      targetErrorBoundaryID,\n      canToggleSuspense,\n      canViewSource,\n      hasLegacyContext,\n      id,\n      key,\n      plugins,\n      rendererPackageName,\n      rendererVersion,\n      rootType,\n      source,\n      type,\n      owners:\n      owners === null\n        ? null\n        : owners.map(owner => {\n          const [displayName, hocDisplayNames] =\n            separateDisplayNameAndHOCs(\n              owner.displayName,\n              owner.type,\n            );\n          return\n            {\n              ...owner,\n              displayName,\n              hocDisplayNames,\n            };\n        }),\n      context:\n      hydrateHelper(context),\n      hooks: hydrateHelper(hooks),\n      props: hydrateHelper(props),\n      state:\n      hydrateHelper(state),\n      errors,\n      warnings,\n    };\n\n    return inspectedElement;\n  }\n}\n\nexport function\n  hydrateHelper(\n    dehydratedData: DehydratedData | null,\n    path?: Array<string | number>,\n  ): Object | null {\n    if\n    (dehydratedData !== null) {\n      const {cleaned, data, unserializable} = dehydratedData;\n\n      if (path) {\n        const\n        {length} = path;\n\n        if (length > 0) {\n          // Hydration helper requires full paths, but inspection dehydrates with\n          relative paths.\n          // In that event it's important that we adjust the \"cleaned\" paths to match.\n          return\n          hydrate(\n            data,\n            cleaned.map(cleanedPath => cleanedPath.slice(length)),\n            unserializable.map(unserializablePath =>{\n              unserializablePath.slice(length),\n            }),\n          );\n        }\n      }\n\n      return hydrate(data, cleaned, unserializable);\n    } else {\n      return null;\n    }\n  }\n}\n\n\"/**\n * Copyright (c)\n * Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport * as React from 'react';\nimport\n  {\n    Fragment,\n    Suspense,\n    useCallback,\n    useContext,\n    useEffect,\n    useMemo,\n    useRef,\n    useState,\n  }\n  from 'react';\nimport AutoSizer from 'react-virtualized-auto-sizer';\nimport {FixedSizeList} from 'react-\n  window';\nimport {TreeDispatcherContext, TreeStateContext} from './TreeContext';\nimport Icon from\n  './Icon';\nimport {SettingsContext} from './Settings/SettingsContext';\nimport {BridgeContext, StoreContext,\n  OptionsContext} from './context';\nimport Element from './Element';\nimport InspectHostNodesToggle from\n  './InspectHostNodesToggle';\nimport OwnersStack from './OwnersStack';\nimport ComponentSearchInput from\n  './ComponentSearchInput';\nimport SettingsModalContextToggle from 'react-devtools-\n  shared/src/devtools/views/Settings/SettingsModalContextToggle';\nimport SelectedTreeHighlight from\n  './SelectedTreeHighlight';\nimport TreeFocusedContext from './TreeFocusedContext';\nimport\n  {\n    useHighlightNativeElement,\n    useSubscription,\n  }\n  from './hooks';\nimport {clearErrorsAndWarnings as\n  clearErrorsAndWarningsAPI} from 'react-devtools-shared/src/backendAPI';\nimport styles from\n  './Tree.css';\nimport ButtonIcon from './ButtonIcon';\nimport Button from './Button';\nimport {logEvent} from\n  'react-devtools-shared/src/Logger';\n\n// Never indent more than this number of pixels (even if we have the

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room).\nconst DEFAULT_INDENTATION_SIZE = 12;\n\nexport type ItemData = {\n  numElements: number,\n  isNavigatingWithKeyboard: boolean,\n  lastScrolledIDRef: {current: number | null, ...},\n  onElementMouseEnter: (id: number) => void,\n  treeFocused: boolean,\n};\n\ntype Props = {\n}\n\nexport default function Tree(props: Props): React.Node {\n  const dispatch = useContext(TreeDispatcherContext);\n  const {\n    numElements,\n    ownerId,\n    searchIndex,\n    searchResults,\n    selectedElementID,\n    selectedElementIndex,\n  } =\n    useContext(TreeStateContext);\n  const bridge = useContext(BridgeContext);\n  const store =\n    useContext(StoreContext);\n  const {hideSettings} = useContext(OptionsContext);\n  const\n    [isNavigatingWithKeyboard, setIsNavigatingWithKeyboard] =\n      useState(false);\n  const\n    {highlightNativeElement, clearHighlightNativeElement} =\n      useHighlightNativeElement();\n  const treeRef =\n    useRef<HTMLDivElement | null>(null);\n  const focusTargetRef = useRef<HTMLDivElement | null>(null);\n  const\n    [treeFocused, setTreeFocused] =\n      useState<boolean>(false);\n  \n  const {lineHeight,\n    showInlineWarningsAndErrors} =\n    useContext(SettingsContext);\n  \n  // Make sure a newly selected element is\n  visible in the list.\n  // This is helpful for things like the owners list and search.\n  // \n  // TRICKY:\n  // It's important\n  to use a callback ref for this, rather than a ref object and an effect.\n  // As an optimization, the AutoSizer component\n  does not render children when their size would be 0.\n  // This means that in some cases (if the browser panel size is\n  initially really small),\n  // the Tree component might render without rendering an inner List.\n  // In this case, the\n  list ref would be null on mount (when the scroll effect runs),\n  // meaning the scroll action would be skipped (since\n  ref updates don't re-run effects).\n  // Using a callback ref accounts for this case...\n  const listCallbackRef =\n    useCallback(\n      (list: $FlowFixMe) => {\n        if (list != null && selectedElementIndex != null) {\n          list.scrollToItem(selectedElementIndex, 'smart');\n        }\n      },\n      [selectedElementIndex,\n      ],\n    );\n  // Picking an\n  element in the inspector should put focus into the tree.\n  // This ensures that keyboard navigation works right after\n  picking a node.\n  useEffect(() => {\n    function handleStopInspectingNative(\n      didSelectNode: boolean\n    ) {\n      if (didSelectNode && focusTargetRef.current != null) {\n        focusTargetRef.current.focus();\n        logEvent({\n          event_name: 'select-element',\n          metadata: {source: 'inspector'},\n        });\n      }\n    }\n    bridge.addListener('stopInspectingNative',\n      handleStopInspectingNative);\n    return () => {\n      bridge.removeListener('stopInspectingNative',\n        handleStopInspectingNative);\n    },\n    [bridge];\n  });\n  // This ref is passed\n  down the context to elements.\n  // It lets them avoid autoscrolling to the same item many times\n  // when a selected\n  virtual row goes in and out of the viewport.\n  const lastScrolledIDRef =\n    useRef<number | null>(null);\n  \n  //\n  Navigate the tree with up/down arrow keys.\n  useEffect(() => {\n    if (treeRef.current === null) {\n      return () => {\n      };\n    }\n    const handleKeyDown = (event: KeyboardEvent) => {\n      if ((event: any).target.tagName ===\n      'INPUT' || event.defaultPrevented) {\n        return;\n      }\n      let element;\n      switch (event.key) {\n        case\n        'ArrowDown':\n          event.preventDefault();\n          if (event.altKey) {\n            dispatch({type:\n            'SELECT_NEXT_SIBLING_IN_TREE'});\n          } else {\n            dispatch({type:\n            'SELECT_NEXT_ELEMENT_IN_TREE'});\n          }\n          break;\n        case 'ArrowLeft':\n          event.preventDefault();\n          element =\n            selectedElementID != null\n            ?\n            store.getElementByID(selectedElementID)\n            : null;\n          if (element != null) {\n            if (event.altKey)\n            {\n              if (element.ownerID != null) {\n                dispatch({type:\n                'SELECT_OWNER_LIST_PREVIOUS_ELEMENT_IN_TREE'});\n              }\n            } else {\n              if\n              (element.children.length > 0 && !element.isCollapsed) {\n                store.toggleIsCollapsed(element.id, true);\n              }\n            } else {\n              dispatch({type: 'SELECT_PARENT_ELEMENT_IN_TREE'});\n            }\n          }\n          break;\n        case 'ArrowRight':\n          event.preventDefault();\n          element =\n            selectedElementID != null\n            ? store.getElementByID(selectedElementID)\n            : null;\n          if\n          (element != null) {\n            if (event.altKey) {\n              dispatch({type:\n              'SELECT_OWNER_LIST_NEXT_ELEMENT_IN_TREE'});\n            } else {\n              if (element.children.length\n              > 0 && element.isCollapsed) {\n                store.toggleIsCollapsed(element.id, false);\n              }\n            } else {\n              dispatch({type: 'SELECT_CHILD_ELEMENT_IN_TREE'});\n            }\n          }\n          break;\n        case 'ArrowUp':\n          event.preventDefault();\n          if (event.altKey) {\n            dispatch({type:\n            'SELECT_PREVIOUS_SIBLING_IN_TREE'});\n          } else {\n            dispatch({type:

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'SELECT_PREVIOUS_ELEMENT_IN_TREE'});
    }
    break;
    default:
    return;
  }
  setIsNavigatingWithKeyboard(true);
  // We used to listen to at the document level for this event.
  // That allowed us to listen to up/down arrow key events while another section
  // of DevTools (like the search input) was focused.
  // This was a minor UX positive.
  // (We had to use ownerDocument rather than document for this, because the
  // DevTools extension renders the Components and Profiler tabs into portals.)
  // This approach caused a problem though: it meant that a react-devtools-inline
  // instance could steal (and prevent/block) keyboard events from other JavaScript
  // on the page– which could even include other react-devtools-inline instances.
  // This is a potential major UX negative.
  // Given the above trade offs, we now listen on the root of the Tree itself.
  const container = treeRef.current;
  container.addEventListener('keydown', handleKeyDown);
  return () => {
    container.removeEventListener('keydown', handleKeyDown);
  };
}, [dispatch, selectedElementID, store]);
// Focus management.
const handleBlur = useCallback(() => setTreeFocused(false), []);
const handleFocus =
useCallback(() => {
  setTreeFocused(true);
  if (selectedElementIndex === null && numElements > 0) {
    dispatch({
      type: 'SELECT_ELEMENT_AT_INDEX',
      payload: 0,
    });
  }
}, [dispatch, numElements, selectedElementIndex]);
const handleKeyPress = useCallback((event: $FlowFixMe) => {
  switch (event.key) {
    case 'Enter':
    case ' ':
      if (selectedElementID !== null) {
        dispatch({type: 'SELECT_OWNER', payload: selectedElementID});
      }
      break;
    default:
    break;
  }
}, [dispatch, selectedElementID]);
// If we switch the selected element while using the keyboard,
// start highlighting it in the DOM instead of the last hovered node.
const searchRef =
useRef({searchIndex, searchResults});
useEffect(() => {
  let didSelectNewSearchResult = false;
  if (
searchRef.current.searchIndex !== searchIndex ||
searchRef.current.searchResults !== searchResults
) {
searchRef.current.searchIndex = searchIndex;
searchRef.current.searchResults = searchResults;
didSelectNewSearchResult = true;
  }
  if (isNavigatingWithKeyboard || didSelectNewSearchResult) {
    if (selectedElementID !== null) {
      highlightNativeElement(selectedElementID);
    } else {
      clearHighlightNativeElement();
    }
  }
}, [bridge, isNavigatingWithKeyboard, highlightNativeElement, searchIndex, searchResults, selectedElementID]);
// Highlight last hovered element.
const handleElementMouseEnter = useCallback((id: $FlowFixMe) => {
  // Ignore hover while we're navigating with keyboard.
  // This avoids flicker from the hovered nodes under the mouse.
  if (!isNavigatingWithKeyboard) {
    highlightNativeElement(id);
  }
}, [isNavigatingWithKeyboard, highlightNativeElement]);
const handleMouseMove = useCallback(() => {
  // We started using the mouse again.
  // This will enable hover styles in individual rows.
  setIsNavigatingWithKeyboard(false);
}, []);
const handleMouseLeave = clearHighlightNativeElement;
// Let react-window know to re-render any time the underlying tree data changes.
// This includes the owner context, since it controls a filtered view of the tree.
const itemData = useMemo<ItemData>(() => ({
  numElements,
  isNavigatingWithKeyboard,
  onElementMouseEnter: handleElementMouseEnter,
  lastScrolledIDRef,
  treeFocused,
}), [numElements, isNavigatingWithKeyboard, handleElementMouseEnter, lastScrolledIDRef, treeFocused]);
const itemKey = useCallback((index: number) =>
store.getElementIDAtIndex(index), [store]);
const handlePreviousErrorOrWarningClick =
React.useCallback(() => {
  dispatch({type:
'SELECT_PREVIOUS_ELEMENT_WITH_ERROR_OR_WARNING_IN_TREE'});
}, []);
const handleNextErrorOrWarningClick = React.useCallback(() => {
  dispatch({type:
'SELECT_NEXT_ELEMENT_WITH_ERROR_OR_WARNING_IN_TREE'});
}, []);
const errorsOrWarningsSubscription = useMemo(() => ({
  getCurrentValue: () => ({
    errors: store.errorCount,
    warnings: store.warningCount,
  }),
  subscribe: (callback: Function) => {
    store.addListener('mutated', callback);
    return () => store.removeListener('mutated', callback);
  },
}), [store]);
const {errors, warnings} = useSubscription(errorsOrWarningsSubscription);
const clearErrorsAndWarnings = () => {
  clearErrorsAndWarningsAPI({bridge, store});
};
const zeroElementsNotice = (
  <div className={styles.ZeroElementsNotice}>
    <p>Loading React Element

```

```

Tree...</p>\n  <p>\n    If this seems stuck, please follow the{' '\n    <a\n      className={styles.Link}\n      href=\"https://github.com/facebook/react/blob/main/packages/react-devtools/README.md#the-react-tab-shows-no-components\"\n      target=\"_blank\">\n        troubleshooting instructions\n    </a>\n    .\n  </p>\n</div>\n);\n\n return (\n  <TreeFocusedContext.Provider value={treeFocused}>\n    <div\n      className={styles.Tree} ref={treeRef}>\n      <div className={styles.SearchInput}>\n        {store.supportsNativeInspection && (\n          <Fragment>\n            <InspectHostNodesToggle />\n          <div\n            className={styles.VRule} />\n          </Fragment>\n        )}\n        <Suspense fallback={<Loading />}>\n          {ownerID !== null ? <OwnersStack /> : <ComponentSearchInput />}\n        </Suspense>\n        {showInlineWarningsAndErrors &&\n          ownerID === null &&\n          (errors > 0 || warnings > 0) && (\n            <React.Fragment>\n              <div className={styles.VRule} />\n              {errors > 0 && (\n                <div className={styles.IconAndCount}>\n                  <Icon className={styles.ErrorIcon} type=\"error\" />\n                  {errors}\n                </div>\n              )}\n              {warnings > 0 && (\n                <div\n                  className={styles.IconAndCount}>\n                    <Icon className={styles.WarningIcon} type=\"warning\" />\n                    {warnings}\n                  </div>\n                )}\n              <Button\n                onClick={handlePreviousErrorOrWarningClick}\n                title=\"Scroll to previous error or warning\">\n                  <ButtonIcon type=\"up\" />\n                </Button>\n                <Button\n                  onClick={handleNextErrorOrWarningClick}\n                  title=\"Scroll to next error or warning\">\n                    <ButtonIcon type=\"down\" />\n                  </Button>\n                <Button\n                  onClick={clearErrorsAndWarnings}\n                  title=\"Clear all errors and warnings\">\n                    <ButtonIcon\n                      type=\"clear\" />\n                  </Button>\n                <React.Fragment>\n                  </Fragment>\n                <div className={styles.VRule} />\n                <SettingsModalContextToggle />\n              </div>\n            )}\n          </div>\n          {numElements === 0 ? (\n            zeroElementsNotice\n          ) : (\n            <div\n              className={styles.AutoSizerWrapper}\n              onBlur={handleBlur}\n              onFocus={handleFocus}\n              onPress={handleKeyPress}\n              onMouseMove={handleMouseMove}\n              onMouseLeave={handleMouseLeave}\n              ref={focusTargetRef}\n              tabIndex={0}>\n              <AutoSizer>\n                {({height, width}) => (\n                  <FixedSizeList\n                    className={styles.List}\n                    height={height}\n                    innerElementType={InnerElementType}\n                    itemCount={numElements}\n                    itemData={itemData}\n                    itemKey={itemKey}\n                    itemSize={lineHeight}\n                    ref={listCallbackRef}\n                    width={width}>\n                      <Element>\n                    </FixedSizeList>\n                  )}\n                </AutoSizer>\n              </div>\n            )}\n          </div>\n        </TreeFocusedContext.Provider>\n      );\n    }\n\n    // Indentation size can be adjusted but child width is fixed.\n    // We need to adjust indentations so the widest child can fit without overflowing.\n    // Sometimes the widest child is also the deepest in the tree:\n    // -----\n    // <Foo>      \n    //   •••<Foobar> \n    //     ••••••<Baz>\n    // -----\n    // But this is not always the case.\n    // Even with the above example, a change in indentation may change the overall widest child:\n    // -----\n    // <Foo>      \n    //   ••<Foobar>\n    //     •••<Baz> \n    // -----\n    // In extreme cases this difference can be important:\n    // -----\n    // <ReallyLongName> \n    //   ••<Foo>      \n    //     •••<Bar>   \n    //       ••••••<Baz> \n    //         ••••••<Qux> \n    // -----\n    // In the above example, the current indentation is fine,\n    // but if we naively assumed that the widest element is also the deepest element,\n    // we would end up compressing the indentation unnecessarily:\n    // -----\n    // <ReallyLongName> \n    //   •<Foo>      \n    //     ••<Bar>   \n    //       •••<Baz> \n    //         ••••<Qux> \n    // -----\n    // The way we deal with this is to compute the max indentation size that can fit each child,\n    // given the child's fixed width and depth within the tree.\n    // Then we take the smallest of these indentation sizes...\n\n    function updateIndentationSizeVar(\n      innerDiv: HTMLDivElement,\n      cachedChildWidths: WeakMap<HTMLElement, number>,\n      indentationSizeRef: {current: number},\n      prevListWidthRef: {current: number},\n    ): void {\n      const list = ((innerDiv.parentElement: any): HTMLDivElement);\n      const listWidth = list.clientWidth;\n      // Skip measurements when the Components panel is hidden.\n      if (listWidth === 0) {\n        return;\n      }\n      // Reset the max indentation size if the width of the tree has increased.\n      if (listWidth > prevListWidthRef.current) {\n        indentationSizeRef.current =

```

```

DEFAULT_INDENTATION_SIZE;
}
prevListWidthRef.current = listWidth;
let maxIndentationSize:
number = indentationSizeRef.current;
// eslint-disable-next-line no-for-of-loops/no-for-of-loops
for (const
child of innerDiv.children) {
const depth = parseInt(child.getAttribute('data-depth'), 10) || 0;
let
childWidth: number = 0;
const cachedChildWidth = cachedChildWidths.get(child);
if (cachedChildWidth
!= null) {
childWidth = cachedChildWidth;
} else {
const {firstElementChild} = child;
// Skip
over e.g. the guideline element
if (firstElementChild != null) {
childWidth =
firstElementChild.clientWidth;
cachedChildWidths.set(child, childWidth);
}
}
const
remainingWidth = Math.max(0, listWidth - childWidth);
maxIndentationSize =
Math.min(maxIndentationSize, remainingWidth / depth);
}
indentationSizeRef.current =
maxIndentationSize;
list.style.setProperty('--indentation-size', `${maxIndentationSize}px`);
}
}
function InnerElementType({children, style, ...rest}) {
const {ownerID} =
useContext(TreeStateContext);
const cachedChildWidths = useMemo<WeakMap<HTMLElement,
number>>(
() => new WeakMap(),
[],
);
// This ref tracks the current indentation size.
// We
decrease indentation to fit wider/deeper trees.
// We intentionally do not increase it again afterward, to avoid the
perception of content "jumping"
// e.g. clicking to toggle/collapse a row might otherwise jump horizontally
beneath your cursor,
// e.g. scrolling a wide row off screen could cause narrower rows to jump to the right some.
//
// There are two exceptions for this:
// 1. The first is when the width of the tree increases.
// The user may
have resized the window specifically to make more room for DevTools.
// In either case, this should reset our max
indentation size logic.
// 2. The second is when the user enters or exits an owner tree.
const indentationSizeRef =
useRef<number>(DEFAULT_INDENTATION_SIZE);
const prevListWidthRef = useRef<number>(0);
const prevOwnerIDRef = useRef<number | null>(ownerID);
const divRef = useRef<HTMLDivElement |
null>(null);
// We shouldn't retain this width across different conceptual trees though,
// so when the user
opens the "owners tree" view, we should discard the previous width.
if (ownerID !== prevOwnerIDRef.current) {
prevOwnerIDRef.current = ownerID;
indentationSizeRef.current = DEFAULT_INDENTATION_SIZE;
}
// When we render new content, measure to see if we need to shrink indentation to fit it.
useEffect(() => {
if (divRef.current != null) {
updateIndentationSizeVar(
divRef.current,
cachedChildWidths,
indentationSizeRef,
prevListWidthRef,
);
}
});
// This style override enables the background
color to fill the full visible width,
// when combined with the CSS tweaks in Element.
// A lot of options were
considered; this seemed the one that requires the least code.
// See https://github.com/bvaughn/react-devtools-
experimental/issues/9
return (
<div
className={styles.InnerElementType}
ref={divRef}
style={style}
...rest>
<SelectedTreeHighlight />
{children}
</div>
);
}
function
Loading() {
return <div className={styles.Loading}>Loading...</div>;
}
}
}
/**
 * Copyright (c) Meta
Platforms, Inc. and affiliates.
 * This source code is licensed under the MIT license found in the
 * LICENSE
file in the root directory of this source tree.
 * @flow
 */
import * as React from 'react';
import styles
from './shared.css';
type Props = {
callStack: string | null,
children: React$Node,
componentStack: string |
null,
errorMessage: string | null,
};
export default function UnsupportedBridgeOperationView({
callStack,
children,
componentStack,
errorMessage,
}: Props): React.Node {
return (
<div
className={styles.ErrorBoundary}>
{children}
<div className={styles.ErrorInfo}>
<div
className={styles.HeaderRow}>
<div className={styles.ErrorHeader}>
{errorMessage || 'Bridge
protocol mismatch'}
</div>
</div>
<div className={styles.InfoBox}>
An incompatible
version of <code>react-devtools-core</code> has been
embedded in a renderer like React Native. To fix
this, update the ' '
<code>react-devtools-core</code> package within the React Native
application,
or downgrade the <code>react-devtools</code> package you
use to open the DevTools UI.
</div>
{!callStack && (
<div className={styles.ErrorStack}>
The error was thrown
{callStack.trim()}
</div>
)}
</div>
);
}
}
}
/**
 * Copyright (c) Meta Platforms,
Inc. and affiliates.
 * This source code is licensed under the MIT license found in the
 * LICENSE
file in the
root directory of this source tree.
 * @flow
 */
import * as React from 'react';
import Button from
'./Button';
import ButtonIcon from './ButtonIcon';
import styles from './shared.css';
type Props = {

```

```

callStack: string | null,\n children: React$Node,\n componentStack: string | null,\n dismissError: Function | null,\n
errorMessage: string | null,\n};\n\nexport default function ErrorView({\n callStack,\n children,\n
componentStack,\n dismissError = null,\n errorMessage,\n}: Props): React.Node {\n return (\n <div
className={styles.ErrorBoundary}>\n {children}\n <div className={styles.ErrorInfo}>\n <div
className={styles.HeaderRow}>\n <div className={styles.ErrorHeader}>\n Uncaught Error:
{errorMessage || ""}\n </div>\n {dismissError !== null && (\n <Button
className={styles.CloseButton} onClick={dismissError}>\n Dismiss\n <ButtonIcon
className={styles.CloseButtonIcon} type="close" />\n </Button>\n )}\n </div>\n
{!!callStack && (\n <div className={styles.ErrorStack}>\n The error was thrown {callStack.trim()}\n
</div>\n )}\n {!!componentStack && (\n <div className={styles.ErrorStack}>\n The
error occurred {componentStack.trim()}\n </div>\n )}\n </div>\n </div>\n );\n}\n"/>**\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n *\n\nimport * as React from
'react';\nimport styles from './LoadingAnimation.css';\n\ntype Props = {\n className?: string,\n};\n\nexport default
function LoadingAnimation({\n className = "": Props): React.Node {\n return (\n <svg\n
xmlns="http://www.w3.org/2000/svg"\n className={` ${styles.Icon} ${className}`}\n width="24"\n
height="24"\n viewBox="0 0 100 100">\n <path d="M0 0h100v100H0z" fill="none" />\n <circle
fill="currentColor" stroke="none" cx="20" cy="50" r="10">\n <animate\n
attributeName="opacity"\n dur="1s"\n values="0;1;0"\n repeatCount="indefinite"\n
begin="0.1"\n />\n </circle>\n <circle fill="currentColor" stroke="none" cx="50" cy="50"
r="10">\n <animate\n attributeName="opacity"\n dur="1s"\n values="0;1;0"\n
repeatCount="indefinite"\n begin="0.2"\n />\n </circle>\n <circle fill="currentColor"
stroke="none" cx="80" cy="50" r="10">\n <animate\n attributeName="opacity"\n
dur="1s"\n values="0;1;0"\n repeatCount="indefinite"\n begin="0.3"\n />\n
</circle>\n </svg>\n );\n}\n"/>**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code
is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n *
@flow\n *\n\nimport * as React from 'react';\nimport LoadingAnimation from 'react-devtools-
shared/src/devtools/views/Components/LoadingAnimation';\nimport styles from './shared.css';\n\nexport default
function SearchingGitHubIssues(): React.Node {\n return (\n <div className={styles.GitHubLinkRow}>\n
<LoadingAnimation className={styles.LoadingIcon} />\n Searching GitHub for reports of this error...\n
</div>\n );\n}\n"/>**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n
*\n\nexport type GitHubIssue = {\n title: string,\n url: string,\n};\n\nconst GITHUB_ISSUES_API =
'https://api.github.com/search/issues';\n\nexport function searchGitHubIssuesURL(message: string): string {\n //
Remove Fiber IDs from error message (as those will be unique).\n message = message.replace(/^"[0-9]+"\/g, "");\n
const filters = [\n 'in:title',\n 'is:issue',\n 'is:open',\n 'is:public',\n 'label:"Component: Developer Tools"',\n
'repo:facebook/react',\n ];\n\n return (\n GITHUB_ISSUES_API +\n '?q=' +\n
encodeURIComponent(message) +\n '%20' +\n filters.map(encodeURIComponent).join('%20')\n );\n}\n\nexport
async function searchGitHubIssues(\n message: string,\n): Promise<GitHubIssue | null> {\n const response = await
fetch(searchGitHubIssuesURL(message));\n const data = await response.json();\n if (data.items.length > 0) {\n
const item = data.items[0];\n return {\n title: item.title,\n url: item.html_url,\n }; }\n } else {\n return
null;\n }\n}\n"/>**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n
*\n\nimport type {Wakeable} from 'shared/ReactTypes';\nimport type {GitHubIssue} from './githubAPI';\n\nimport
{unstable_getCacheForType as getCacheForType} from 'react';\nimport {searchGitHubIssues} from
'./githubAPI';\n\nconst API_TIMEOUT = 3000;\nconst Pending = 0;\nconst Resolved = 1;\nconst Rejected =
2;\n\ntype PendingRecord = {\n status: 0,\n value: Wakeable,\n};\n\ntype ResolvedRecord<T> = {\n status: 1,\n
value: T,\n};\n\ntype RejectedRecord = {\n status: 2,\n value: null,\n};\n\ntype Record<T> = PendingRecord |

```

```

ResolvedRecord<T> | RejectedRecord;\n\nfunction readRecord<T>(record: Record<T>): ResolvedRecord<T> |
RejectedRecord {\n  if (record.status === Resolved) {\n    // This is just a type refinement.\n    return record;\n  }
else if (record.status === Rejected) {\n    // This is just a type refinement.\n    return record;\n  } else {\n    throw
record.value;\n  }\n}\n\ntype GitHubIssueMap = Map<string, Record<GitHubIssue>>;\n\nfunction createMap():
GitHubIssueMap {\n  return new Map();\n}\n\nfunction getRecordMap(): Map<string, Record<GitHubIssue>> {\n
return getCacheForType(createMap());\n}\n\nexport function findGitHubIssue(errorMessage: string): GitHubIssue |
null {\n  errorMessage = normalizeErrorMessage(errorMessage);\n\n  const map = getRecordMap();\n  let record =
map.get(errorMessage);\n\n  if (!record) {\n    const callbacks = new Set<() => mixed>();\n    const wakeable:
Wakeable = {\n      then(callback: () => mixed) {\n        callbacks.add(callback);\n      },\n\n      // Optional property
used by Timeline:\n      displayName: `Searching GitHub issues for error \"${errorMessage}\"`,\n    };
\n    const wake = () => {\n      // This assumes they won't throw.\n      callbacks.forEach(callback => callback());\n
callbacks.clear();\n    };\n\n    const newRecord: Record<GitHubIssue> = (record = {\n      status: Pending,\n      value:
wakeable,\n    });\n\n    let didTimeout = false;\n\n    searchGitHubIssues(errorMessage)\n      .then(maybeItem =>
{\n        if (didTimeout) {\n          return;\n        }\n\n        if (maybeItem) {\n          const resolvedRecord =\n
((newRecord: any): ResolvedRecord<GitHubIssue>);\n          resolvedRecord.status = Resolved;\n
resolvedRecord.value = maybeItem;\n        } else {\n          const notFoundRecord = ((newRecord: any):
RejectedRecord);\n          notFoundRecord.status = Rejected;\n          notFoundRecord.value = null;\n        }\n\n
wake();\n      })\n      .catch(error => {\n        const thrownRecord = ((newRecord: any): RejectedRecord);\n
thrownRecord.status = Rejected;\n        thrownRecord.value = null;\n\n        wake();\n      });\n\n      // Only wait a
little while for GitHub results before showing a fallback.\n      setTimeout(() => {\n        didTimeout = true;\n\n
const timedoutRecord = ((newRecord: any): RejectedRecord);\n        timedoutRecord.status = Rejected;\n
timedoutRecord.value = null;\n\n        wake();\n      }, API_TIMEOUT);\n\n      map.set(errorMessage, record);\n    }\n\n
const response = readRecord(record).value;\n    return response;\n  }\n}\n\nfunction
normalizeErrorMessage(errorMessage: string): string {\n  // Remove Fiber IDs from error message (as those will be
unique).\n  errorMessage = errorMessage.replace(/^[0-9]+\//, "");\n  return errorMessage;\n}\n\n"/**\n * Copyright
(c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport type { GitHubIssue } from
'./githubAPI';\n\nimport * as React from 'react';\n\nimport Icon from './Icon';\n\nimport styles from
'./shared.css';\n\nexport default function UpdateExistingIssue({\n  gitHubIssue,\n}): {\n  gitHubIssue:
GitHubIssue,\n}): React.Node {\n  const {title, url} = gitHubIssue;\n  return (\n    <div
className={styles.GitHubLinkRow}>\n      <Icon className={styles.ReportIcon} type="bug" />\n      <div
className={styles.UpdateExistingIssuePrompt}>\n        Update existing issue:\n      </div>\n      <a\n
className={styles.ReportLink}\n        href={url}\n        rel="noopener noreferrer"\n        target="_blank"\n
title="Report bug">\n        {title}\n      </a>\n    </div>\n  );\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and
affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n * @flow\n */\n\nimport * as React from 'react';\n\nimport Icon from
'./Icon';\n\nimport {searchGitHubIssuesURL} from './githubAPI';\n\nimport styles from './shared.css';\n\nconst
LABELS = [\n  'Component: Developer Tools',\n  'Type: Bug',\n  'Status: Unconfirmed',\n];\n\n// This must match
the filename in ".github/ISSUE_TEMPLATE/"\n\nconst TEMPLATE = 'devtools_bug_report.yml';\n\ntype Props =
{\n  callStack: string | null,\n  componentStack: string | null,\n  errorMessage: string | null,\n};\n\nexport default
function ReportNewIssue({\n  callStack,\n  componentStack,\n  errorMessage,\n}: Props): React.Node {\n  let
bugURL = process.env.GITHUB_URL;\n  if (!bugURL) {\n    return null;\n  }\n\n  const gitHubAPISearch =\n
errorMessage !== null ? searchGitHubIssuesURL(errorMessage) : '(none)';\n\n  const title = `[DevTools Bug]
${errorMessage || ''}`;\n\n  const parameters = [\n    `template=${TEMPLATE}`,
\n    `labels=${encodeURIComponent(LABELS.join(','))}`,
\n    `title=${encodeURIComponent(title)}`,
\n    `automated_package=${process.env.DEVTOOLS_PACKAGE || ''}`,
\n    `automated_version=${process.env.DEVTOOLS_VERSION || ''}`,
\n    `automated_error_message=${encodeURIComponent(errorMessage || '')}`,

```



```

`automated_call_stack=${encodeURIComponent(callStack || '')}` ,\n
`automated_component_stack=${encodeURIComponent(componentStack || '')}` ,\n
`automated_github_query_string=${githubAPISearch}` ,\n ];\n\n bugURL +=\n
`/issues/new?${parameters.join('&')}` ;\n\n return (\n <div className={styles.GitHubLinkRow}>\n <Icon\n
className={styles.ReportIcon} type="bug" />\n <a\n className={styles.ReportLink}>\n
href={bugURL}\n rel="noopener noreferrer"\n target="_blank"\n title="Report bug">\n
Report this issue\n </a>\n <div className={styles.ReproSteps}>\n (Please include steps on how to\n
reproduce it and the components used.)\n </div>\n </div>\n );\n\n",/**\n * Copyright (c) Meta Platforms,\n
Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the\n
root directory of this source tree.\n *\n * @flow\n */\nimport * as React from 'react';\nimport\n
{isInternalFacebookBuild} from 'react-devtools-feature-flags';\nimport\n
{REACT_DEVTOOLS_WORKPLACE_URL} from 'react-devtools-shared/src/devtools/constants';\nimport Icon\n
from './Icon';\nimport styles from './shared.css';\n\nexport default function WorkplaceGroup(): React.Node {\n if\n
(!isInternalFacebookBuild) {\n return null;\n }\n\n return (\n <div\n
className={styles.WorkplaceGroupRow}>\n <Icon className={styles.ReportIcon} type="facebook" />\n
<a\n className={styles.ReportLink}>\n href={REACT_DEVTOOLS_WORKPLACE_URL}\n
rel="noopener noreferrer"\n target="_blank"\n title="Report bug">\n Report this on Workplace\n
</a>\n <div className={styles.FacebookOnly}>(Facebook employees only.)</div>\n </div>\n
);\n\n",/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the\n
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\nimport *
as React from 'react';\nimport {findGitHubIssue} from './cache';\nimport UpdateExistingIssue from\n
'./UpdateExistingIssue';\nimport ReportNewIssue from './ReportNewIssue';\nimport WorkplaceGroup from\n
'./WorkplaceGroup';\n\ntype Props = {\n callStack: string | null,\n componentStack: string | null,\n errorMessage:\n
string | null,\n};\n\nexport default function SuspendingErrorView({\n callStack,\n componentStack,\n
errorMessage,\n}: Props): React.Node {\n const maybeItem =\n errorMessage !== null ?\n
findGitHubIssue(errorMessage) : null;\n\n let GitHubUI;\n if (maybeItem !== null) {\n GitHubUI =\n
<UpdateExistingIssue gitHubIssue={maybeItem} /> ;\n } else {\n GitHubUI = (\n <ReportNewIssue\n
callStack={callStack}\n componentStack={componentStack}\n errorMessage={errorMessage}\n />\n
);\n }\n\n return (\n <>\n {GitHubUI}\n <WorkplaceGroup />\n </>\n );\n\n",/**\n * Copyright (c)\n
Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\nimport * as React from 'react';\nimport\n
Button from './Button';\nimport ButtonIcon from './ButtonIcon';\nimport styles from './shared.css';\n\ntype Props =\n
{\n callStack: string | null,\n children: React$Node,\n componentStack: string | null,\n dismissError: Function,\n
errorMessage: string | null,\n};\n\nexport default function TimeoutView({\n callStack,\n children,\n
componentStack,\n dismissError = null,\n errorMessage,\n}: Props): React.Node {\n return (\n <div\n
className={styles.ErrorBoundary}>\n {children}\n <div className={styles.ErrorInfo}>\n <div\n
className={styles.HeaderRow}>\n <div className={styles.TimeoutHeader}>\n {errorMessage ||\n
'Timed out waiting'}\n </div>\n <Button className={styles.CloseButton} onClick={dismissError}>\n
Retry\n <ButtonIcon className={styles.CloseButtonIcon} type="close" />\n </Button>\n
</div>\n {!!componentStack && (\n <div className={styles.TimeoutStack}>\n The timeout\n
occurred {componentStack.trim()}\n </div>\n )}\n </div>\n </div>\n );\n\n",/**\n * Copyright (c)\n
Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\nimport * as React from 'react';\nimport\n
styles from './shared.css';\n\ntype Props = {\n callStack: string | null,\n children: React$Node,\n info: React$Node |
null,\n componentStack: string | null,\n errorMessage: string,\n};\n\nexport default function CaughtErrorView({\n
callStack,\n children,\n info,\n componentStack,\n errorMessage,\n}: Props): React.Node {\n return (\n <div\n
className={styles.ErrorBoundary}>\n {children}\n <div className={styles.ErrorInfo}>\n <div\n
className={styles.HeaderRow}>\n <div className={styles.ErrorHeader}> {errorMessage}</div>\n

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</div>\n      {!!info && <div className={styles.InfoBox}>{info}</div>}\n      {!!callStack && (\n        <div
className={styles.ErrorStack}>\n          The error was thrown {callStack.trim()}\n        </div>\n      )}\n
</div>\n </div>\n );\n}\n", "/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n *
@flow\n */\n\nexport default class UserError extends Error {\n  constructor(message: string) {\n
super(message);\n\n  // Maintains proper stack trace for where our error was thrown (only available on V8)\n  if
(Error.captureStackTrace) {\n    Error.captureStackTrace(this, UserError);\n  }\n\n  this.name = 'UserError';\n
}\n}\n", "/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nexport
default class UnknownHookError extends Error {\n  constructor(message: string) {\n    super(message);\n\n  //
Maintains proper stack trace for where our error was thrown (only available on V8)\n  if (Error.captureStackTrace)
{\n    Error.captureStackTrace(this, UnknownHookError);\n  }\n\n  this.name = 'UnknownHookError';\n
}\n}\n", "/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport
 * as React from 'react';\nimport { Component, Suspense } from 'react';\nimport Store from 'react-devtools-
shared/src/devtools/store';\nimport UnsupportedBridgeOperationView from
'./UnsupportedBridgeOperationView';\nimport ErrorView from './ErrorView';\nimport SearchingGitHubIssues from
'./SearchingGitHubIssues';\nimport SuspendingErrorView from './SuspendingErrorView';\nimport TimeoutView
from './TimeoutView';\nimport CaughtErrorView from './CaughtErrorView';\nimport
UnsupportedBridgeOperationError from 'react-devtools-shared/src/UnsupportedBridgeOperationError';\nimport
TimeoutError from 'react-devtools-shared/src/errors/TimeoutError';\nimport UserError from 'react-devtools-
shared/src/errors/UserError';\nimport UnknownHookError from 'react-devtools-
shared/src/errors/UnknownHookError';\nimport { logEvent } from 'react-devtools-shared/src/Logger';\n\ntype Props
= {\n  children: React$Node,\n  canDismiss?: boolean,\n  onBeforeDismissCallback?: () => void,\n  store?:
Store,\n};\n\ntype State = {\n  callStack: string | null,\n  canDismiss: boolean,\n  componentStack: string | null,\n
errorMessage: string | null,\n  hasError: boolean,\n  isUnsupportedBridgeOperationError: boolean,\n  isTimeout:
boolean,\n  isUserError: boolean,\n  isUnknownHookError: boolean,\n};\n\nconst initialState: State = {\n  callStack:
null,\n  canDismiss: false,\n  componentStack: null,\n  errorMessage: null,\n  hasError: false,\n
isUnsupportedBridgeOperationError: false,\n  isTimeout: false,\n  isUserError: false,\n  isUnknownHookError:
false,\n};\n\nexport default class ErrorBoundary extends Component<Props, State> {\n  state: State =
initialState;\n\n  static getDerivedStateFromError(error: any): {\n    callStack: string | null,\n    errorMessage: string |
null,\n    hasError: boolean,\n    isTimeout: boolean,\n    isUnknownHookError: boolean,\n
isUnsupportedBridgeOperationError: boolean,\n    isUserError: boolean,\n  } {\n    const errorMessage =\n      typeof
error === 'object' &&\n      error !== null &&\n      typeof error.message === 'string'\n        ? error.message\n
        :
null;\n\n    const isTimeout = error instanceof TimeoutError;\n    const isUserError = error instanceof UserError;\n
const isUnknownHookError = error instanceof UnknownHookError;\n    const isUnsupportedBridgeOperationError
=\n      error instanceof UnsupportedBridgeOperationError;\n\n    const callStack =\n      typeof error === 'object'
&&\n      error !== null &&\n      typeof error.stack === 'string'\n        ? error.stack.split("\n").slice(1).join("\n")
        :
null;\n\n    return {\n      callStack,\n      errorMessage,\n      hasError: true,\n
isUnsupportedBridgeOperationError,\n      isUnknownHookError,\n      isTimeout,\n      isUserError,\n    };\n  }\n\n
componentDidCatch(error: any, { componentStack }: any) {\n    this._logError(error, componentStack);\n
this.setState({\n      componentStack,\n    });\n  }\n\n  componentDidMount() {\n    const { store } = this.props;\n
if (store !== null) {\n      store.addListener('error', this._onStoreError);\n    }\n  }\n\n  componentWillUnmount() {\n
const { store } = this.props;\n  if (store !== null) {\n      store.removeListener('error', this._onStoreError);\n    }\n
}\n\n  render(): React.Node {\n    const { canDismiss: canDismissProp, children } = this.props;\n    const {\n
callStack,\n    canDismiss: canDismissState,\n    componentStack,\n    errorMessage,\n    hasError,\n
isUnsupportedBridgeOperationError,\n    isTimeout,\n    isUserError,\n    isUnknownHookError,\n  } =
this.state;\n\n    if (hasError) {\n      if (isTimeout) {\n        return (\n          <TimeoutView\n

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callStack={callStack}\n      componentStack={componentStack}\n      dismissError={\n
canDismissProp || canDismissState ? this._dismissError : null\n      }\n      errorMessage={errorMessage}\n
  />\n );\n } else if (isUnsupportedBridgeOperationError) {\n return (\n
<UnsupportedBridgeOperationView\n      callStack={callStack}\n      componentStack={componentStack}\n
      errorMessage={errorMessage}\n      />\n );\n } else if (isUserError) {\n return (\n
<CaughtErrorView\n      callStack={callStack}\n      componentStack={componentStack}\n
errorMessage={errorMessage || 'Error occurred in inspected element'}\n      info={\n          <>\n          React
DevTools encountered an error while trying to inspect the\n          hooks. This is most likely caused by a
developer error in the\n          currently inspected element. Please see your console for logged\n          error.\n
          </>\n      )\n      />\n );\n } else if (isUnknownHookError) {\n return (\n
<CaughtErrorView\n      callStack={callStack}\n      componentStack={componentStack}\n
errorMessage={errorMessage || 'Encountered an unknown hook'}\n      info={\n          <>\n          React
DevTools encountered an unknown hook. This is probably\n          because the react-debug-tools package is out
of date. To fix,\n          upgrade the React DevTools to the most recent version.\n          </>\n      )\n      />\n );\n } else {\n return (\n <ErrorView\n      callStack={callStack}\n
componentStack={componentStack}\n      dismissError={\n          canDismissProp || canDismissState ?
this._dismissError : null\n      }\n      errorMessage={errorMessage}>\n      <Suspense
fallback=<SearchingGitHubIssues />>\n      <SuspendingErrorView\n          callStack={callStack}\n
          componentStack={componentStack}\n          errorMessage={errorMessage}\n      />\n
</Suspense>\n      </ErrorView>\n      );\n }\n }\n }\n }\n return children;\n }\n }\n _logError: (error: any,
componentStack: string | null) => void = (\n error,\n componentStack,\n ) => {\n logEvent({\n
event_name: 'error',\n error_message: error.message ?? null,\n error_stack: error.stack ?? null,\n
error_component_stack: componentStack ?? null,\n });\n };
_onDismissError: () => void = () => {\n const
onBeforeDismissCallback = this.props.onBeforeDismissCallback;\n if (typeof onBeforeDismissCallback ===
'function') {\n onBeforeDismissCallback();\n }\n this.setState(InitialState);\n };
_onStoreError: (error:
Error) => void = error => {\n if (!this.state.hasError) {\n this._logError(error, null);\n this.setState({\n
...ErrorBoundary.getDerivedStateFromError(error),\n canDismiss: true,\n });\n }\n };
**\n *
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This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n *
@flow\n *\nimport ErrorBoundary from
'./ErrorBoundary';\n\nexport default ErrorBoundary;\n\n**\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n *
This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this
source tree.\n *
@flow\n *\nimport * as React from 'react';\nimport useThemeStyles from
'./useThemeStyles';\n\nexport default function ThemeProvider({\n children,\n }: {\n children: React.Node,\n }):
React.Node {\n const themeStyle = useThemeStyles();\n const style = React.useMemo(() => {\n return {\n
...themeStyle,\n width: '100%',\n height: '100%',\n };,\n }, [themeStyle]);\n return <div
style={style}>{children}</div>;\n\n**\n *
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This source
code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *
@flow\n *\nimport * as React from 'react';\nimport {useContext} from 'react';\nimport {createPortal} from
'react-dom';\nimport ErrorBoundary from './ErrorBoundary';\nimport {StoreContext} from './context';\nimport
ThemeProvider from './ThemeProvider';\n\nexport type Props = {portalContainer?: Element, ...};\n\nexport default
function portaledContent(\n Component: React$$StatelessFunctionalComponent<any>,\n):
React$$StatelessFunctionalComponent<any> {\n return function PortaledContent({portalContainer, ...rest}: Props)
{\n const store = useContext(StoreContext);\n let children = (\n <ErrorBoundary store={store}>\n
<Component {...rest} />\n </ErrorBoundary>\n );\n if (portalContainer !== null) {\n // The
ThemeProvider works by writing DOM style variables to an HTMLDivElement.\n // Because Portals render in a
different DOM subtree, these variables don't propagate.\n // So in this case, we need to re-wrap portaled content
in a second ThemeProvider.\n children = (\n <ThemeProvider>\n <div\n      data-react-devtools-
portal-root={true}\n      style={{ width: '100vw', height: '100vh' }}>\n      {children}\n      </div>\n

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</ThemeProvider>\n  );\n }\n\n return portalContainer !== null\n  ? createPortal(children, portalContainer)\n  : children;\n };\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport LRU from 'lru-cache';\nimport {\n  convertInspectedElementBackendToFrontend,\n  hydrateHelper,\n  inspectElement as inspectElementAPI,\n} from 'react-devtools-shared/src/backendAPI';\nimport {\n  fillInPath\n} from 'react-devtools-shared/src/hydration';\n\nimport type {LRUCache} from 'react-devtools-shared/src/types';\nimport type {FrontendBridge} from 'react-devtools-shared/src/bridge';\nimport type {\n  InspectElementError,\n  InspectElementFullData,\n  InspectElementHydratedPath,\n} from 'react-devtools-shared/src/backend/types';\nimport type {\n  Element,\n  InspectedElement as InspectedElementFrontend,\n  InspectedElementResponseType,\n} from 'react-devtools-shared/src/devtools/views/Components/types';\nimport\n  UserError from 'react-devtools-shared/src/errors/UserError';\nimport\n  UnknownHookError from 'react-devtools-shared/src/errors/UnknownHookError';\n\n// Maps element ID to inspected data.\n// We use an LRU for this rather than a WeakMap because of how the "no-change" optimization works.\n// When the frontend polls the backend for an update on the element that's currently inspected,\n// the backend will send a "no-change" message if the element hasn't updated (rendered) since the last time it was asked.\n// In this case, the frontend cache should reuse the previous (cached) value.\n// Using a WeakMap keyed on Element generally works well for this, since Elements are mutable and stable in the Store.\n// This doesn't work properly though when component filters are changed,\n// because this will cause the Store to dump all roots and re-initialize the tree (recreating the Element objects).\n// So instead we key on Element ID (which is stable in this case) and use an LRU for eviction.\nconst\n  inspectedElementCache: LRUCache<number, InspectedElementFrontend> =\n  new LRU({\n    max: 25,\n  });\n\ntype Path = Array<string | number>;\ntype InspectElementReturnType = [\n  InspectedElementFrontend,\n  InspectedElementResponseType,\n];\n\nexport function inspectElement({\n  bridge,\n  element,\n  path,\n  rendererID,\n}: {\n  bridge: FrontendBridge,\n  element: Element,\n  path: Path | null,\n  rendererID: number,\n}): Promise<InspectElementReturnType> {\n  const {id} = element;\n\n  // This could indicate that the DevTools UI has been closed and reopened.\n  // The in-memory cache will be clear but the backend still thinks we have cached data.\n  // In this case, we need to tell it to resend the full data.\n  const forceFullData =\n    !inspectedElementCache.has(id);\n\n  return inspectElementAPI({\n    bridge,\n    forceFullData,\n    id,\n    path,\n    rendererID,\n  }).then((data: any) => {\n    const {type} = data;\n\n    let inspectedElement;\n\n    switch (type) {\n      case 'error': {\n        const {message, stack, errorType} = ((data: any): InspectElementError);\n\n        // create a different error class for each error type\n        // and keep useful information from backend.\n        let error;\n\n        if (errorType === 'user') {\n          error = new UserError(message);\n        } else if (errorType === 'unknown-hook') {\n          error = new UnknownHookError(message);\n        } else {\n          error = new Error(message);\n        }\n\n        // The backend's stack (where the error originated) is more meaningful than this stack.\n        error.stack = stack || error.stack;\n\n        throw error;\n      }\n\n      case 'no-change':\n        // This is a no-op for the purposes of our cache.\n        inspectedElement = inspectedElementCache.get(id);\n        if (inspectedElement !== null) {\n          return [inspectedElement, type];\n        }\n\n        // We should only encounter this case in the event of a bug.\n        throw Error(`Cached data for element "${id}" not found`);\n\n      case 'not-found':\n        // This is effectively a no-op.\n        // If the Element is still in the Store, we can eagerly remove it from the Map.\n        inspectedElementCache.del(id);\n        throw Error(`Element "${id}" not found`);\n\n      case 'full-data':\n        const fullData = ((data: any): InspectElementFullData);\n\n        // New data has come in.\n        // We should replace the data in our local mutable copy.\n        inspectedElement = convertInspectedElementBackendToFrontend(\n          fullData.value,\n        );\n        inspectedElementCache.set(id, inspectedElement);\n        return [inspectedElement, type];\n\n      case 'hydrated-path':\n        const hydratedPathData = ((data: any): InspectElementHydratedPath);\n        const {value} = hydratedPathData;\n\n        // A path has been hydrated.\n        // Merge it with the latest copy we have locally and resolve with the merged value.\n        inspectedElement =\n          inspectedElementCache.get(id) || null;\n        if (inspectedElement !== null) {\n          // Clone element\n          inspectedElement = {...inspectedElement};\n          // Merge hydrated data\n          fillInPath(\n            inspectedElement,\n            value,\n            ((path: any): Path),\n            hydrateHelper(value, ((path: any): Path)),\n          );\n        }\n\n        return [inspectedElement, type];\n    }\n  });\n}

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    );\n    inspectedElementCache.set(id, inspectedElement);\n    return [inspectedElement, type];\n  }\n  break;\n  default:\n    // Should never happen.\n    if (__DEV__) {\n      console.error(\n        `Unexpected inspected element response data: "${type}"`);\n    }\n    break;\n  }\n  throw\n  Error(`Unable to inspect element with id "${id}"`);\n});\n\nexport function clearCacheForTests(): void {\n  inspectedElementCache.reset();\n}\n\n/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source\n code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\nimport {\n  unstable_getCacheForType as getCacheForType,\n  startTransition,\n} from\n'react';\nimport Store from './devtools/store';\nimport {inspectElement as inspectElementMutableSource} from\n'./inspectedElementMutableSource';\nimport type {FrontendBridge} from 'react-devtools-\nshared/src/bridge';\nimport type {Wakeable} from 'shared/ReactTypes';\nimport type {\n  Element,\n  InspectedElement as InspectedElementFrontend,\n  InspectedElementResponseType,\n} from 'react-devtools-\nshared/src/devtools/views/Components/types';\n\nconst Pending = 0;\nconst Resolved = 1;\nconst Rejected =\n2;\n\ntype PendingRecord = {\n  status: 0,\n  value: Wakeable,\n};\n\ntype ResolvedRecord<T> = {\n  status: 1,\n  value: T,\n};\n\ntype RejectedRecord = {\n  status: 2,\n  value: Error | string,\n};\n\ntype Record<T> =\nPendingRecord | ResolvedRecord<T> | RejectedRecord;\n\nfunction readRecord<T>(record: Record<T>):\nResolvedRecord<T> {\n  if (record.status === Resolved) {\n    // This is just a type refinement.\n    return record;\n  } else {\n    throw record.value;\n  }\n}\n\ntype InspectedElementMap = WeakMap<Element,\nRecord<InspectedElementFrontend>>;\n\ntype CacheSeedKey = () => InspectedElementMap;\n\nfunction\ncreateMap(): InspectedElementMap {\n  return new WeakMap();\n}\n\nfunction\ngetRecordMap():\nWeakMap<Element, Record<InspectedElementFrontend>> {\n  return\ngetCacheForType(createMap);\n}\n\nfunction\ncreateCacheSeed(\n  element: Element,\n  inspectedElement:\n  InspectedElementFrontend,\n): [CacheSeedKey, InspectedElementMap] {\n  const newRecord:\nRecord<InspectedElementFrontend> = {\n    status: Resolved,\n    value: inspectedElement,\n  }; \n  const map =\ncreateMap();\n  map.set(element, newRecord);\n  return [createMap, map];\n}\n\n/**\n * Fetches element props and\n state from the backend for inspection.\n * This method should be called during render; it will suspend if data has not\n yet been fetched.\n */\nexport function inspectElement(\n  element: Element,\n  path: Array<string | number> | \nnull,\n  store: Store,\n  bridge: FrontendBridge,\n): InspectedElementFrontend | null {\n  const map =\ngetRecordMap();\n  let record = map.get(element);\n  if (!record) {\n    const callbacks = new Set<() => mixed>();\n    const wakeable: Wakeable = {\n      then(callback: () => mixed) {\n        callbacks.add(callback);\n      },\n    }\n    // \nOptional property used by Timeline:\n    displayName: `Inspecting ${element.displayName || 'Unknown'}`,\n  };\n  const wake = () => {\n    // This assumes they won't throw.\n    callbacks.forEach(callback =>\ncallback());\n    callbacks.clear();\n  };\n  const newRecord: Record<InspectedElementFrontend> = (record = {\n    status: Pending,\n    value: wakeable,\n  });\n  const rendererID =\nstore.getRendererIDForElement(element.id);\n  if (rendererID == null) {\n    const rejectedRecord =\n((newRecord: any): RejectedRecord);\n    rejectedRecord.status = Rejected;\n    rejectedRecord.value = new\nError(\n      `Could not inspect element with id "${element.id}". No renderer found.`,\n    );\n    map.set(element, record);\n    return null;\n  }\n  inspectElementMutableSource({\n    bridge,\n    element,\n    path,\n    rendererID: ((rendererID: any): number),\n  }).then(\n    ([inspectedElement]: [\nInspectedElementFrontend,\n  InspectedElementResponseType,\n  ]) => {\n    const resolvedRecord =\n((newRecord: any): ResolvedRecord<InspectedElementFrontend>);\n    resolvedRecord.status = Resolved;\n    resolvedRecord.value = inspectedElement;\n    wake();\n    error => {\n      console.error(error);\n    }\n    const rejectedRecord = ((newRecord: any): RejectedRecord);\n    rejectedRecord.status = Rejected;\n    rejectedRecord.value = error;\n    wake();\n  },\n  );\n  map.set(element, record);\n  }\n  const response =\nreadRecord(record).value;\n  return response;\n}\n\ntype RefreshFunction = (\n  seedKey: CacheSeedKey,\n  cacheMap: InspectedElementMap,\n) => void;\n\n/**\n * Asks the backend for updated props and state from an\n expected element.\n * This method should never be called during render; call it from an effect or event handler.\n * This method will schedule an update if updated information is returned.\n */\nexport function checkForUpdate({\n  bridge,\n  element,\n  refresh,\n  store,\n}: {\n  bridge: FrontendBridge,\n  element: Element,\n  refresh:\n
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RefreshFunction,\n store: Store,\n}): void {\n const {id} = element;\n const rendererID =
store.getRendererIDForElement(id);\n if (rendererID != null) {\n inspectElementMutableSource({\n bridge,\n element,\n path: null,\n rendererID: ((rendererID: any): number),\n }).then(\n ([inspectedElement,\n responseType]: [\n InspectedElementFrontend,\n InspectedElementResponseType,\n ]) => {\n if
(responseType === 'full-data') {\n startTransition(() => {\n const [key, value] =
createCacheSeed(element, inspectedElement);\n refresh(key, value);\n });\n }\n },\n\n //
There isn't much to do about errors in this case,\n // but we should at least log them so they aren't silent.\n
error => {\n console.error(error);\n },\n );\n }\n}\n\nexport function clearCacheBecauseOfError(refresh:
RefreshFunction): void {\n startTransition(() => {\n const map = createMap();\n refresh(createMap, map);\n
});\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport *
as React from 'react';\nimport {\n useCallback,\n useContext,\n unstable_useCacheRefresh as
useCacheRefresh,\n} from 'react';\nimport ErrorBoundary from './ErrorBoundary';\nimport {TreeStateContext}
from './TreeContext';\nimport {clearCacheBecauseOfError} from '../inspectedElementCache';\nimport styles
from './InspectedElementErrorBoundary.css';\n\ntype WrapperProps = {\n children: React$Node,\n};\n\nexport
default function InspectedElementErrorBoundaryWrapper({\n children,\n}: WrapperProps): React.Node {\n // Key
on the selected element ID so that changing the selected element automatically hides the boundary.\n // This seems
best since an error inspecting one element isn't likely to be relevant to another element.\n const
{selectedElementID} = useContext(TreeStateContext);\n\n const refresh = useCacheRefresh();\n const
handleDismiss = useCallback(() => {\n clearCacheBecauseOfError(refresh);\n }, [refresh]);\n\n return (\n <div
className={styles.Wrapper}>\n <ErrorBoundary\n key={selectedElementID}\n canDismiss={true}\n
onBeforeDismissCallback={handleDismiss}>\n {children}\n </ErrorBoundary>\n </div>\n
);\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport
type {ReactContext} from 'shared/ReactTypes';\nimport * as React from 'react';\nimport {\n createContext,\n
useCallback,\n useContext,\n useMemo,\n useReducer,\n useRef,\n} from 'react';\nimport Button from
'./Button';\nimport {useModalDismissSignal} from './hooks';\nimport styles from './ModalDialog.css';\n\ntype ID
= any;\n\ntype DIALOG_ACTION_HIDE = {\n type: 'HIDE',\n id: ID,\n};\n\ntype DIALOG_ACTION_SHOW =
{\n type: 'SHOW',\n canBeDismissed?: boolean,\n content: React$Node,\n id: ID,\n title?: React$Node |
null,\n};\n\ntype Action = DIALOG_ACTION_HIDE | DIALOG_ACTION_SHOW;\n\ntype Dispatch = (action:
Action) => void;\n\ntype Dialog = {\n canBeDismissed: boolean,\n content: React$Node | null,\n id: ID,\n title:
React$Node | null,\n};\n\ntype State = {\n dialogs: Array<Dialog>,\n};\n\ntype ModalDialogContextType = {\n
...State,\n dispatch: Dispatch,\n};\n\nconst ModalDialogContext: ReactContext<ModalDialogContextType> =\n
createContext<ModalDialogContextType>(((null: any):
ModalDialogContextType));\n\nModalDialogContext.displayName = 'ModalDialogContext';\n\nfunction
dialogReducer(state: State, action: Action) {\n switch (action.type) {\n case 'HIDE':\n return {\n dialogs:
state.dialogs.filter(dialog => dialog.id !== action.id),\n }; \n case 'SHOW':\n return {\n dialogs: [\n
...state.dialogs,\n {\n canBeDismissed: action.canBeDismissed !== false,\n content:
action.content,\n id: action.id,\n title: action.title || null,\n },\n ],\n },\n }; \n default:\n
throw new Error(`Invalid action \`${action.type}\``);\n }\n}\n\n\ntype Props = {\n children:
React$Node,\n};\n\nfunction ModalDialogContextController({children}: Props): React.Node {\n const [state,\n
dispatch] = useReducer<State, State, Action>(dialogReducer, {\n dialogs: [],\n });\n\n const value =
useMemo<ModalDialogContextType>(\n () => ({\n dialogs: state.dialogs,\n dispatch,\n }),\n [state,\n
dispatch],\n );\n\n return (\n <ModalDialogContext.Provider value={value}>\n {children}\n
</ModalDialogContext.Provider>\n );\n}\n\nfunction ModalDialog(_: {}): React.Node {\n const {dialogs,\n
dispatch} = useContext(ModalDialogContext);\n\n if (dialogs.length === 0) {\n return null;\n }\n\n return (\n
<div className={styles.Background}>\n {dialogs.map(dialog => (\n <ModalDialogImpl\n
key={dialog.id}\n canBeDismissed={dialog.canBeDismissed}\n content={dialog.content}\n

```

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dispatch={dispatch}\n      id={dialog.id}\n      title={dialog.title}\n    />\n  ))\n </div>\n
);\n}\n\nfunction ModalDialogImpl({\n  canBeDismissed,\n  content,\n  dispatch,\n  id,\n  title,\n}: {\n
  canBeDismissed: boolean,\n  content: React$Node | null,\n  dispatch: Dispatch,\n  id: ID,\n  title: React$Node |
  null,\n}) {\n  const dismissModal = useCallback(() => {\n    if (canBeDismissed) {\n      dispatch({type: 'HIDE',
  id});\n    }\n  }, [canBeDismissed, dispatch]);\n  const dialogRef = useRef<HTMLDivElement | null>(null);\n  //
  It's important to trap click events within the dialog,\n  // so the dismiss hook will use it for click hit detection.\n  //
  Because multiple tabs may be showing this ModalDialog,\n  // the normal `dialog.contains(target)` check would fail
  on a background tab.\n  useModalDismissSignal(dialogRef, dismissModal, false);\n  // Clicks on the dialog should
  not bubble.\n  // This way we can dismiss by listening to clicks on the background.\n  const handleDialogClick =
  (event: any) => {\n    event.stopPropagation();\n    // It is important that we don't also prevent default,\n    // or
  clicks within the dialog (e.g. on links) won't work.\n  };\n  return (\n    <div ref={dialogRef}\n
  className={styles.Dialog} onClick={handleDialogClick}>\n      {title !== null && <div\n
  className={styles.Title}>{title}</div>}\n      {content}\n      {canBeDismissed && (\n        <div\n
  className={styles.Buttons}>\n          <Button\n            autoFocus={true}\n            className={styles.Button}\n
  onClick={dismissModal}>\n            Okay\n          </Button>\n        </div>\n      )}\n    </div>\n  );\n}\n\nexport
  {ModalDialog, ModalDialogContext, ModalDialogContextController};\n"/**\n * Copyright (c) Meta Platforms,\n
  Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the
  root directory of this source tree.\n * @flow\n */\nimport type {ReactContext} from
  'shared/ReactTypes';\n\nimport {createContext} from 'react';\nimport type {\n  CanViewElementSource,\n
  ViewElementSource,\n} from 'react-devtools-shared/src/devtools/views/DevTools';\n\nexport type Context = {\n
  canViewElementSourceFunction: CanViewElementSource | null,\n  viewElementSourceFunction:\n
  ViewElementSource | null,\n};\n\nconst ViewElementSourceContext: ReactContext<Context> =
  createContext<Context>(\n  ((null: any): Context),\n);\n\nViewElementSourceContext.displayName =
  'ViewElementSourceContext';\n\nexport default ViewElementSourceContext;\n"/**\n * Copyright (c) Meta
  Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE
  file in the root directory of this source tree.\n * @flow\n */\nimport * as React from 'react';\nimport
  {useContext} from 'react';\nimport {StoreContext} from '../context';\nimport {\n  ComponentFilterElementType,\n
  ElementTypeSuspense,\n} from 'react-devtools-shared/src/types';\n\nexport default function
  CannotSuspendWarningMessage(): React.Node {\n  const store = useContext(StoreContext);\n  const
  areSuspenseElementsHidden = !!store.componentFilters.find(\n    filter =>\n      filter.type ===
  ComponentFilterElementType &&\n        filter.value === ElementTypeSuspense &&\n          filter.isEnabled,\n  );\n  // Has the user filtered out Suspense nodes from the tree?\n  // If so, the selected element might actually be in a
  Suspense tree after all.\n  if (areSuspenseElementsHidden) {\n    return (\n      <div>\n        Suspended state cannot
  be toggled while Suspense components are hidden.\n        Disable the filter and try again.\n      </div>\n    );\n  } else
  {\n    return (\n      <div>\n        The selected element is not within a Suspense container. Suspending it\n
        would cause an error.\n      </div>\n    );\n  }\n}\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n
  * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
  tree.\n * @flow\n */\nimport type {ReactContext} from 'shared/ReactTypes';\nimport {createContext} from
  'react';\n\nexport type ShowFn = ({data: Object, pageX: number, pageY: number}) => void;\nexport type HideFn =
  () => void;\nexport type OnChangeFn = boolean => void;\n\nconst idToShowFnMap = new Map<string,\n
  ShowFn>();\nconst idToHideFnMap = new Map<string, HideFn>();\n\nlet currentHide: ?HideFn = null;\nlet
  currentOnChange: ?OnChangeFn = null;\n\nfunction hideMenu() {\n  if (typeof currentHide === 'function') {\n
  currentHide();\n  }\n  if (typeof currentOnChange === 'function') {\n    currentOnChange(false);\n  }\n}\n\n
  currentHide = null;\n  currentOnChange = null;\n}\n\nfunction showMenu({\n  data,\n  id,\n  onChange,\n  pageX,\n
  pageY,\n}: {\n  data: Object,\n  id: string,\n  onChange?: OnChangeFn,\n  pageX: number,\n  pageY: number,\n})
  {\n  const showFn = idToShowFnMap.get(id);\n  if (typeof showFn === 'function') {\n    // Prevent open menus
  from being left hanging.\n    hideMenu();\n    currentHide = idToHideFnMap.get(id);\n    showFn({data, pageX,\n
  pageY});\n  }\n  if (typeof onChange === 'function') {\n    currentOnChange = onChange;\n    onChange(true);\n
  }\n}

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}
}

function registerMenu(id: string, showFn: ShowFn, hideFn: HideFn): () => void {
  if (idToShowFnMap.has(id)) {
    throw Error(`Context menu with id "${id}" already registered.`);
  }
  idToShowFnMap.set(id, showFn);
  idToHideFnMap.set(id, hideFn);
  return function unregisterMenu() {
    idToShowFnMap.delete(id);
    idToHideFnMap.delete(id);
  };
}

export type RegistryContextType = {
  hideMenu: typeof hideMenu,
  showMenu: typeof showMenu,
  registerMenu: typeof registerMenu,
};

export const RegistryContext: ReactContext<RegistryContextType> =
  createContext<RegistryContextType>({
    hideMenu,
    showMenu,
    registerMenu,
  });

/**
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 */
import * as React from 'react';
import {useContext, useEffect, useLayoutEffect, useRef, useState} from 'react';
import {createPortal} from 'react-dom';
import {RegistryContext} from './Contexts';
import styles from './ContextMenu.css';
import type {RegistryContextType} from './Contexts';

function repositionToFit(element: HTMLElement, pageX: number, pageY: number) {
  const ownerWindow = element.ownerDocument.defaultView;
  if (element !== null) {
    if (pageY + element.offsetHeight >= ownerWindow.innerHeight) {
      if (pageY - element.offsetHeight > 0) {
        element.style.top = `${pageY - element.offsetHeight}px`;
      } else {
        element.style.top = '0px';
      }
    } else {
      element.style.top = `${pageY}px`;
    }
    if (pageX + element.offsetWidth >= ownerWindow.innerWidth) {
      if (pageX - element.offsetWidth > 0) {
        element.style.left = `${pageX - element.offsetWidth}px`;
      } else {
        element.style.left = '0px';
      }
    } else {
      element.style.left = `${pageX}px`;
    }
  }
}

const HIDDEN_STATE = {
  data: null,
  isVisible: false,
  pageX: 0,
  pageY: 0,
};

type Props = {
  children: (data: Object) => React$Node,
  id: string,
};

export default function ContextMenu({children, id}: Props): React.Node {
  const {hideMenu, registerMenu} =
    useContext<RegistryContextType>(RegistryContext);
  const [state, setState] = useState(HIDDEN_STATE);
  const bodyAccessorRef = useRef(null);
  const containerRef = useRef(null);
  const menuRef = useRef(null);
  useEffect(() => {
    const element = bodyAccessorRef.current;
    if (element !== null) {
      const ownerDocument = element.ownerDocument;
      containerRef.current = ownerDocument.querySelector(
        '[data-react-devtools-portal-root]',
      );
      if (containerRef.current === null) {
        console.warn(
          'DevTools tooltip root node not found; context menus will be disabled.',
        );
      }
      useEffect(() => {
        const showMenuFn = ({
          data,
          pageX,
          pageY,
        }: {
          data: any,
          pageX: number,
          pageY: number,
        }) => {
          setState({data, isVisible: true, pageX, pageY});
        };
        const hideMenuFn = () => setState(HIDDEN_STATE);
        return registerMenu(id, showMenuFn, hideMenuFn);
      }, [id]);
      useLayoutEffect(() => {
        if (!state.isVisible) {
          return;
        }
        const menu = ((menuRef.current: any): HTMLElement);
        const container = containerRef.current;
        if (container !== null) {
          // $FlowFixMe[missing-local-annot]
          const hideUnlessContains = event => {
            if (!menu.contains(event.target)) {
              hideMenu();
            }
          };
          const ownerDocument = container.ownerDocument;
          ownerDocument.addEventListener('mousedown', hideUnlessContains);
          ownerDocument.addEventListener('touchstart', hideUnlessContains);
          ownerDocument.addEventListener('keydown', hideUnlessContains);
          const ownerWindow = ownerDocument.defaultView;
          ownerWindow.addEventListener('resize', hideMenu);
          repositionToFit(menu, state.pageX, state.pageY);
          return () => {
            ownerDocument.removeEventListener('mousedown', hideUnlessContains);
            ownerDocument.removeEventListener('touchstart', hideUnlessContains);
            ownerDocument.removeEventListener('keydown', hideUnlessContains);
            ownerWindow.removeEventListener('resize', hideMenu);
          };
        }
      }, [state]);
      if (!state.isVisible) {
        return <div ref={bodyAccessorRef} />;
      } else {
        const container = containerRef.current;
        if (container !== null) {
          return createPortal(
            <div ref={menuRef} className={styles.ContextMenu}>
              {children(state.data)}
            </div>,
            container,
          );
        } else {
          return null;
        }
      }
    }
  }, [state]);
}

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 */
import * as React from

```



```

'react';\nimport {useContext} from 'react';\nimport {RegistryContext} from './Contexts';\n\nimport styles from
'./ContextMenuItem.css';\nimport type {RegistryContextType} from './Contexts';\n\nexport type Props = {\n children:
React$Node,\n onClick: () => void,\n title: string,\n};\n\nexport default function ContextMenuItem({\n children,\n
onClick,\n title,\n}: Props): React.Node {\n const {hideMenu} =
useContext<RegistryContextType>(RegistryContext);\n\n const handleClick = (event: any) => {\n onClick();\n
hideMenu();\n };}\n\n return (\n <div\n className={styles.ContextMenuItem}\n onClick={handleClick}\n
onTouchEnd={handleClick}>\n {children}\n </div>\n );\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc.
and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n * @flow\n */\n\nimport * as React from 'react';\nimport styles from
'./HocBadges.css';\nimport type {Element} from './types';\n\nexport type Props = {\n element: Element,\n};\n\nexport
default function HocBadges({element}: Props): React.Node {\n const {hocDisplayNames} = ((element: any):
Element);\n\n if (hocDisplayNames === null) {\n return null;\n }\n\n return (\n <div
className={styles.HocBadges}>\n {hocDisplayNames !== null &&\n
hocDisplayNames.map(hocDisplayName => (\n <div key={hocDisplayName} className={styles.Badge}>\n
{hocDisplayName}\n </div>\n ))}\n </div>\n );\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc.
and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n * @flow\n */\n\nimport * as React from 'react';\nimport styles from
'./AutoSizeInput.css';\n\nexport type Props = {\n className?: string,\n onFocus?: (event: FocusEvent) => void,\n
placeholder?: string,\n testName?: ?string,\n value: any,\n ...rest\n};\n\nexport default function AutoSizeInput({\n
className,\n onFocus,\n placeholder = "",\n testName,\n value,\n ...rest\n}: Props): React.Node {\n //
$FlowFixMe[missing-local-annot]\n const onFocusWrapper = event => {\n const input = event.target;\n if
(input !== null) {\n input.selectionStart = 0;\n input.selectionEnd = value.length;\n }\n\n if (typeof
onFocus === 'function') {\n onFocus(event);\n }\n\n const isEmpty = value === "" || value === "\\\"";\n\n
return (\n // $FlowFixMe[cannot-spread-inexact] unsafe rest spread\n <input\n className={[\n styles.Input,
className].join(' ')}\n data-testname={testName}\n onFocus={onFocusWrapper}\n
placeholder={placeholder}\n style={{\n width: `calc(${isEmpty ? placeholder.length : value.length}ch +
1px)`,\n }}\n value={isEmpty ? "" : value}\n {...rest}\n />\n );\n}\n\n"/**\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n * @flow\n */\n\nimport * as React from 'react';\nimport
{useCallback, useState} from 'react';\nimport AutoSizeInput from './NativeStyleEditor/AutoSizeInput';\nimport
styles from './EditableName.css';\n\nexport type Type = 'props' | 'state' | 'context' | 'hooks';\n\nexport type OverrideNameFn = (\n
oldName: Array<string | number>,\n newName: Array<string | number>,\n) => void;\n\nexport type EditableNameProps =
{\n allowEmpty?: boolean,\n allowWhiteSpace?: boolean,\n autoFocus?: boolean,\n className?: string,\n
initialValue?: string,\n overrideName: OverrideNameFn,\n path: Array<string | number>,\n type:
Type,\n};\n\nexport default function EditableName({\n allowEmpty = false,\n allowWhiteSpace = false,\n
autoFocus = false,\n className = "",\n initialValue = "",\n overrideName,\n path,\n type,\n}: EditableNameProps):
React.Node {\n const [editableName, setEditableName] = useState(initialValue);\n const [isValid, setIsValid] =
useState(false);\n\n const handleChange = useCallback(\n ({target}: $FlowFixMe) => {\n let value =
target.value;\n if (!allowWhiteSpace) {\n value = value.trim();\n }\n\n if (allowEmpty || value !== "")
{\n setIsValid(true);\n } else {\n setIsValid(false);\n }\n\n setEditableName(value);\n },\n [overrideName],\n );\n\n const handleKeyDown = useCallback(\n (event: $FlowFixMe) => {\n // Prevent
keydown events from e.g. change selected element in the tree\n event.stopPropagation();\n\n switch
(event.key) {\n case 'Enter':\n case 'Tab':\n if (isValid) {\n const basePath = path.slice(0,
path.length - 1);\n overrideName(\n [...basePath, initialValue],\n [...basePath,
editableName],\n );\n } else {\n break;\n }\n case 'Escape':\n setEditableName(initialValue);\n
break;\n default:\n break;\n }\n },\n [editableName, setEditableName, isValid, initialValue,
overrideName],\n );\n\n return (\n <AutoSizeInput\n autoFocus={autoFocus}\n className={[\n styles.Input,
className].join(' ')}\n onChange={handleChange}\n onKeyDown={handleKeyDown}\n

```

```

placeholder="new entry"
  testName="EditableName"
  type="text"
  value={editableName}
 />
);
"/>**
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MIT license found in the
 * LICENSE file in the root directory of this source tree.
 * @flow
 * \nimport
 * as React from 'react';
import {Fragment} from 'react';
import styles from './EditableValue.css';
import
{useEditableValue} from './hooks';
ntype OverrideValueFn = (path: Array<string | number>, value: any) =>
void;
ntype EditableValueProps = {
  className?: string,
  overrideValue: OverrideValueFn,
  path:
Array<string | number>,
  value: any,
};
nexport default function EditableValue({
  className = "",
  overrideValue,
  path,
  value,
}: EditableValueProps): React.Node {
  const [state, dispatch] =
useEditableValue(value);
  const {editableValue, hasPendingChanges, isValid, parsedValue} = state;
  const
reset = () =>
  dispatch({
    type: 'RESET',
    externalValue: value,
  });
  // $FlowFixMe[missing-
local-annot]
  const handleChange = ({target}) =>
  dispatch({
    type: 'UPDATE',
    editableValue:
target.value,
    externalValue: value,
  });
  // $FlowFixMe[missing-local-annot]
  const
handleCheckBoxToggle = ({target}) => {
  dispatch({
    type: 'UPDATE',
    editableValue:
target.checked,
    externalValue: value,
  });
  // Unlike <input type="text"> which has both an onChange
and an onBlur,
  // <input type="checkbox"> updates state *and* applies changes in a single event.
  // So we
read from target.checked rather than parsedValue (which has not yet updated).
  // We also don't check isValid
(because that hasn't changed yet either);
  // we don't need to check it anyway, since target.checked is always a
boolean.
  overrideValue(path, target.checked);
};
  // $FlowFixMe[missing-local-annot]
  const
handleKeyDown = event => {
  // Prevent keydown events from e.g. change selected element in the tree
event.stopPropagation();
  switch (event.key) {
    case 'Enter':
      applyChanges();
      break;
    case
'Escape':
      reset();
      break;
    default:
      break;
  }
};
  const applyChanges = () => {
  if
(isValid && hasPendingChanges) {
    overrideValue(path, parsedValue);
  }
};
  let placeholder = "";
  if
(editableValue === undefined) {
    placeholder = '(undefined)';
  } else {
    placeholder = 'Enter valid JSON';
  }
  const isBool = parsedValue === true || parsedValue === false;
  return (
    <Fragment>
    <input
autoComplete="new-password"
  className={
    `${isValid ? styles.Input : styles.Invalid} ${className}`
  }
  data-testname="EditableValue"
  onBlur={applyChanges}
  onChange={handleChange}
  onKeyDown={handleKeyDown}
  placeholder={placeholder}
  type="text"
  value={editableValue}
 />
    {isBool && (
      <input
        className={styles.Checkbox}
        checked={parsedValue}
        type="checkbox"
        onChange={handleCheckBoxToggle}
      />
    )}
    </Fragment>
  );
"/>**
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 * LICENSE file in the root directory of this source tree.
 * @flow
 * \n\n/**
 * Converts nested hooks paths to the format expected by the backend.
 * e.g. [""] => [""]
 * e.g. [1, 'value', ...] => [...]
 * e.g. [2, 'subhooks', 1, 'value', ...] => [...]
 * e.g. [1, 'subhooks', 3, 'subhooks', 2, 'value', ...]
=> [...]
 * \nexport function parseHookPathForEdit(
  path: Array<string | number>,
): Array<string | number>
{
  let index = 0;
  for (let i = 0; i < path.length; i++) {
    if (path[i] === 'value') {
      index = i + 1;
      break;
    }
  }
  return path.slice(index);
}
"/>**
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tree.
 * @flow
 * \n\nimport
 * as React from 'react';
import {useState} from 'react';
import Store from
'../store';
import EditableName from './EditableName';
import {smartParse} from '../utils';
import
{parseHookPathForEdit} from './utils';
import styles from './NewArrayValue.css';
nimport type
{InspectedElement} from './types';
import type {FrontendBridge} from 'react-devtools-shared/src/bridge';
ntype
Props = {
  bridge: FrontendBridge,
  depth: number,
  hidden: boolean,
  hookID?: ?number,
  index:
number,
  inspectedElement: InspectedElement,
  path: Array<string | number>,
  store: Store,
  type: 'props' |
'context' | 'hooks' | 'state',
};
nexport default function NewArrayValue({
  bridge,
  depth,
  hidden,
  hookID,
  index,
  inspectedElement,
  path,
  store,
  type,
}: Props): React.Node {
  const [key, setKey] =
useState<number>(0);
  const [isInvalid, setIsInvalid] = useState(false);
  // This is a bit of an unusual usage of
the EditableName component,
  // but otherwise it acts the way we want for a new Array entry.
  //
  $FlowFixMe[missing-local-annot]
  const overrideName = (oldPath: any, newPath) => {
    const value =

```

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newPath[newPath.length - 1];\n\n let parsedValue;\n let newIsInvalid = true;\n try {\n  parsedValue =
smartParse(value);\n  newIsInvalid = false;\n } catch (error) {\n\n if (isInvalid !== newIsInvalid) {\n
setIsInvalid(newIsInvalid);\n }\n\n if (!newIsInvalid) {\n  setKey(key + 1);\n\n  const {id} =
inspectedElement;\n  const rendererID = store.getRendererIDForElement(id);\n  if (rendererID !== null) {\n
let basePath = path;\n  if (hookID !== null) {\n    basePath = parseHookPathForEdit(basePath);\n  }\n\n
bridge.send('overrideValueAtPath', {\n  type,\n  hookID,\n  id,\n  path: [...basePath, index],\n
rendererID,\n  value: parsedValue,\n  });\n  }\n  }\n};\n\n return (\n <div\n  key={key}\n
hidden={hidden}\n  style={{\n    paddingLeft: `${(depth - 1) * 0.75}rem`,\n  }}>\n  <div
className={styles.NewArrayValue}>\n    <EditableName\n      allowWhiteSpace={true}\n
autoFocus={key > 0}\n      className={[\n        styles.EditableName, isInvalid && styles.Invalid].join(' '),\n
      )}\n      initialValue=""\n      overrideName={overrideName}\n      path={path}\n    />\n  </div>\n
</div>\n );\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n
*/\n\nimport * as React from 'react';\nimport {useState} from 'react';\nimport Store from '../store';\nimport
EditableName from './EditableName';\nimport EditableValue from './EditableValue';\nimport
{parseHookPathForEdit} from './utils';\nimport styles from './NewKeyValue.css';\n\nimport type
{InspectedElement} from './types';\nimport type {FrontendBridge} from 'react-devtools-shared/src/bridge';\n\ntype
Props = {\n  bridge: FrontendBridge,\n  depth: number,\n  hidden: boolean,\n  hookID?: ?number,\n
inspectedElement: InspectedElement,\n  path: Array<string | number>,\n  store: Store,\n  type: 'props' | 'state' |
'hooks' | 'context',\n};\n\nexport default function NewKeyValue({\n  bridge,\n  depth,\n  hidden,\n  hookID,\n
inspectedElement,\n  path,\n  store,\n  type,\n}: Props): React.Node {\n  const [newPropKey, setNewPropKey] =
useState<number>(0);\n  const [newPropName, setNewPropName] = useState<string>("");\n\n //
$FlowFixMe[missing-local-annot]\n  const overrideNewEntryName = (oldPath: any, newPath) => {\n
setNewPropName(newPath[newPath.length - 1]);\n  };\n\n  const overrideNewEntryValue = (\n    newPath:
Array<string | number>,\n    value: any,\n  ) => {\n    if (!newPropName) {\n      return;\n    }\n
setNewPropName("");\n    setNewPropKey(newPropKey + 1);\n\n    const {id} = inspectedElement;\n    const
rendererID = store.getRendererIDForElement(id);\n    if (rendererID !== null) {\n      let basePath: Array<string |
number> = newPath;\n      if (hookID !== null) {\n        basePath = parseHookPathForEdit(basePath);\n      }\n\n
bridge.send('overrideValueAtPath', {\n      type,\n      hookID,\n      id,\n      path: basePath,\n      rendererID,\n
value,\n    });\n  }\n  }\n};\n\n return (\n  <div\n    key={newPropKey}\n    hidden={hidden}\n    style={{\n
paddingLeft: `${(depth - 1) * 0.75}rem`,\n  }}>\n    <div className={styles.NewKeyValue}>\n
<EditableName\n      autoFocus={newPropKey > 0}\n      className={styles.EditableName}\n
overrideName={overrideNewEntryName}\n      path={[]}\n    />\n    &nbsp;\n    <EditableValue\n
className={styles.EditableValue}\n      overrideValue={overrideNewEntryValue}\n      path=[...path,\n
newPropName]\n      value=""\n    />\n  </div>\n </div>\n );\n}\n\n", "/*\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n * @flow\n */\n\nimport * as React from 'react';\nimport Button
from '../Button';\nimport ButtonIcon from '../ButtonIcon';\nimport styles from
'./ExpandCollapseToggle.css';\n\ntype ExpandCollapseToggleProps = {\n  disabled: boolean,\n  isOpen: boolean,\n
setIsOpen: Function,\n};\n\nexport default function ExpandCollapseToggle({\n  disabled,\n  isOpen,\n
setIsOpen,\n}: ExpandCollapseToggleProps): React.Node {\n  return (\n    <Button\n
className={styles.ExpandCollapseToggle}\n    disabled={disabled}\n    onClick={() => setIsOpen(prevIsOpen
=> !prevIsOpen)}\n    title={` ${isOpen ? 'Collapse' : 'Expand'} prop value`}>\n    <ButtonIcon type={isOpen ?
'expanded' : 'collapsed'} />\n  </Button>\n );\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *
This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this
source tree.\n * @flow\n */\n\nimport {useContext, useEffect} from 'react';\nimport {RegistryContext} from
'./Contexts';\n\nimport type {OnChangeFn, RegistryContextType} from './Contexts';\nimport type {ElementRef}
from 'react';\n\nexport default function useContextMenu({\n  data,\n  id,\n  onChange,\n  ref,\n}: {\n  data: Object,\n

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id: string, \n onChange?: OnChangeFn, \n ref: {current: ElementRef<any> | null}, \n}) {\n const {showMenu} =
useContext<RegistryContextType>(RegistryContext);\n\n useEffect(() => {\n if (ref.current !== null) {\n
const handleContextMenu = (event: MouseEvent | TouchEvent) => {\n event.preventDefault();\n
event.stopPropagation();\n\n const pageX =\n (event: any).pageX ||\n (event.touches && (event:
any).touches[0].pageX);\n const pageY =\n (event: any).pageY ||\n (event.touches && (event:
any).touches[0].pageY);\n\n showMenu({data, id, onChange, pageX, pageY});\n }; \n\n const trigger =
ref.current;\n trigger.addEventListener('contextmenu', handleContextMenu);\n\n return () => {\n
trigger.removeEventListener('contextmenu', handleContextMenu);\n }; \n }}, [data, id,
showMenu]);\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * \n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * \n * @flow\n
*/\n\nimport { __DEBUG__ } from 'react-devtools-shared/src/constants';\n\nimport type {Thenable, Wakeable} from
'shared/ReactTypes';\n\nconst TIMEOUT = 30000;\n\nconst Pending = 0;\n\nconst Resolved = 1;\n\nconst Rejected =
2;\n\nntype PendingRecord = {\n status: 0,\n value: Wakeable,\n};\n\nntype ResolvedRecord<T> = {\n status: 1,\n
value: T,\n};\n\nntype RejectedRecord = {\n status: 2,\n value: null,\n};\n\nntype Record<T> = PendingRecord |
ResolvedRecord<T> | RejectedRecord;\n\nntype Module = any;\nntype ModuleLoaderFunction = () =>
Thenable<Module>;\n\n// This is intentionally a module-level Map, rather than a React-managed one.\n// Otherwise,
refreshing the inspected element cache would also clear this cache.\n// Modules are static anyway.\n\nconst
moduleLoaderFunctionToModuleMap: Map<ModuleLoaderFunction, Module> =\n new Map();\n\nfunction
readRecord<T>(record: Record<T>): ResolvedRecord<T> | RejectedRecord {\n if (record.status === Resolved) {\n
// This is just a type refinement.\n return record;\n } else if (record.status === Rejected) {\n // This is just a
type refinement.\n return record;\n } else {\n throw record.value;\n }}\n\n// TODO Flow type\n\nexport
function loadModule(moduleLoaderFunction: ModuleLoaderFunction): Module {\n let record =
moduleLoaderFunctionToModuleMap.get(moduleLoaderFunction);\n\n if (__DEBUG__) {\n console.log(\n
`[dynamicImportCache] loadModule("${moduleLoaderFunction.name}")`,\n );\n }\n\n if (!record) {\n const
callbacks = new Set<() => mixed>();\n const wakeable: Wakeable = {\n then(callback: () => mixed) {\n
callbacks.add(callback);\n },\n\n // Optional property used by Timeline:\n displayName: `Loading module
"${moduleLoaderFunction.name}"`,\n\n const wake = () => {\n if (timeoutID) {\n
clearTimeout(timeoutID);\n timeoutID = null;\n }\n\n // This assumes they won't throw.\n
callbacks.forEach(callback => callback());\n callbacks.clear();\n }; \n\n const newRecord: Record<Module> =
(record = {\n status: Pending,\n value: wakeable,\n });\n\n let didTimeout = false;\n\n
moduleLoaderFunction().then(\n module => {\n if (__DEBUG__) {\n console.log(\n
`[dynamicImportCache] loadModule("${moduleLoaderFunction.name}") then()`,\n );\n }\n\n if
(didTimeout) {\n return;\n }\n\n const resolvedRecord = ((newRecord: any):
ResolvedRecord<Module>);\n resolvedRecord.status = Resolved;\n resolvedRecord.value = module;\n\n
wake();\n },\n error => {\n if (__DEBUG__) {\n console.log(\n `[dynamicImportCache]
loadModule("${moduleLoaderFunction.name}") catch()`,\n );\n }\n\n if (didTimeout) {\n
return;\n }\n\n console.log(error);\n\n const thrownRecord = ((newRecord: any): RejectedRecord);\n
thrownRecord.status = Rejected;\n thrownRecord.value = null;\n\n wake();\n },\n );\n\n //
Eventually timeout and stop trying to load the module.\n let timeoutID: null | TimeoutID = setTimeout(function
onTimeout() {\n if (__DEBUG__) {\n console.log(\n `[dynamicImportCache]
loadModule("${moduleLoaderFunction.name}") onTimeout()`,\n );\n }\n\n timeoutID = null;\n\n
didTimeout = true;\n\n const timedoutRecord = ((newRecord: any): RejectedRecord);\n timedoutRecord.status
= Rejected;\n timedoutRecord.value = null;\n\n wake();\n }, TIMEOUT);\n\n
moduleLoaderFunctionToModuleMap.set(moduleLoaderFunction, record);\n }\n\n //
$FlowFixMe[underconstrained-implicit-instantiation]\n const response = readRecord(record).value;\n return
response;\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * \n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * \n * @flow\n
*/\n\nimport type {ReactContext} from 'shared/ReactTypes';\n\nimport {createContext} from 'react';\n\nexport type

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FetchFileWithCaching = (url: string) => Promise<string>;\nexport type Context = FetchFileWithCaching |
null;\n\nconst FetchFileWithCachingContext: ReactContext<Context> =\n
createContext<Context>(null);\nFetchFileWithCachingContext.displayName =
'FetchFileWithCachingContext';\n\nexport default FetchFileWithCachingContext;\n", "/*\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport type {ReactContext} from
'shared/ReactTypes';\n\nimport type {Thenable} from 'shared/ReactTypes';\n\nimport {createContext} from
'react';\nimport typeof * as ParseHookNamesModule from 'react-devtools-
shared/src/hooks/parseHookNames';\n\nexport type HookNamesModuleLoaderFunction =\n
() =>
Thenable<ParseHookNamesModule>;\nexport type Context = HookNamesModuleLoaderFunction | null;\n\n//
TODO (Webpack 5) Hopefully we can remove this context entirely once the Webpack 5 upgrade is
completed.\n\nconst HookNamesModuleLoaderContext: ReactContext<Context> =\n
createContext<Context>(null);\nHookNamesModuleLoaderContext.displayName =
'HookNamesModuleLoaderContext';\n\nexport default HookNamesModuleLoaderContext;\n", "/*\n * Copyright
(c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport type {ReactContext} from
'shared/ReactTypes';\n\nimport * as React from 'react';\nimport {\n
createContext,\n
startTransition,\n
unstable_useCacheRefresh as useCacheRefresh,\n
useCallback,\n
useContext,\n
useEffect,\n
useMemo,\n
useRef,\n
useState,\n
} from 'react';\nimport {TreeStateContext} from './TreeContext';\nimport {BridgeContext,
StoreContext} from './context';\nimport {\n
checkForUpdate,\n
inspectElement,\n
} from 'react-devtools-
shared/src/inspectedElementCache';\nimport {\n
clearHookNamesCache,\n
hasAlreadyLoadedHookNames,\n
loadHookNames,\n
} from 'react-devtools-shared/src/hookNamesCache';\nimport {loadModule} from 'react-
devtools-shared/src/dynamicImportCache';\nimport FetchFileWithCachingContext from 'react-devtools-
shared/src/devtools/views/Components/FetchFileWithCachingContext';\nimport HookNamesModuleLoaderContext
from 'react-devtools-shared/src/devtools/views/Components/HookNamesModuleLoaderContext';\nimport
{SettingsContext} from './Settings/SettingsContext';\nimport type {HookNames} from 'react-devtools-
shared/src/types';\nimport type {ReactNodeList} from 'shared/ReactTypes';\nimport type {\n
Element,\n
InspectedElement,\n
} from 'react-devtools-shared/src/devtools/views/Components/types';\n\ntype Path =
Array<string | number>;\ntype InspectPathFunction = (path: Path) => void;\nexport type ToggleParseHookNames =
() => void;\n\ntype Context = {\n
hookNames: HookNames | null,\n
inspectedElement: InspectedElement | null,\n
inspectPaths: InspectPathFunction,\n
parseHookNames: boolean,\n
toggleParseHookNames:
ToggleParseHookNames,\n
};\n\nexport const InspectedElementContext: ReactContext<Context> =\n
createContext<Context>(((null: any): Context));\n\nconst POLL_INTERVAL = 1000;\n\nexport type Props = {\n
children: ReactNodeList,\n
};\n\nexport function InspectedElementContextController({\n
children,\n
}: Props):
React.Node {\n
const {selectedElementID} = useContext(TreeStateContext);\n
const fetchFileWithCaching =
useContext(FetchFileWithCachingContext);\n
const bridge = useContext(BridgeContext);\n
const store =
useContext(StoreContext);\n
const {parseHookNames: parseHookNamesByDefault} =
useContext(SettingsContext);\n
\n
// parseHookNames has a lot of code.\n
// Embedding it into a build makes the
build large.\n
// This function enables DevTools to make use of Suspense to lazily import() it only if the feature will
be used.\n
// TODO (Webpack 5) Hopefully we can remove this indirection once the Webpack 5 upgrade is
completed.\n
const hookNamesModuleLoader = useContext(HookNamesModuleLoaderContext);\n
const refresh
= useCacheRefresh();\n
\n
// Temporarily stores most recently-inspected (hydrated) path.\n
// The transition that
updates this causes the component to re-render and ask the cache->backend for the new path.\n
// When a path is
sent along with an "inspectElement" request,\n
// the backend knows to send its dehydrated data even if the
element hasn't updated since the last request.\n
const [state, setState] = useState<{\n
element: Element | null,\n
path: Array<number | string> | null,\n
}>({\n
element: null,\n
path: null,\n
});\n
\n
const element =\n
selectedElementID !== null ? store.getElementByID(selectedElementID) : null;\n
\n
const
alreadyLoadedHookNames =\n
element != null && hasAlreadyLoadedHookNames(element);\n
\n
// Parse the

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currently inspected element's hook names.\n // This may be enabled by default (for all elements)\n // or it may be
opted into on a per-element basis (if it's too slow to be on by default).\n const [parseHookNames,
setParseHookNames] = useState<boolean>(\n  parseHookNamesByDefault || alreadyLoadedHookNames,\n );\n\n
const elementHasChanged = element !== null && element !== state.element;\n\n // Reset the cached inspected
paths when a new element is selected.\n if (elementHasChanged) {\n  setState({\n    element,\n    path: null,\n
  });\n\n  setParseHookNames(parseHookNamesByDefault || alreadyLoadedHookNames);\n }\n\n const
purgeCachedMetadataRef = useRef(null);\n\n // Don't load a stale element from the backend; it wastes bridge
bandwidth.\n let hookNames: HookNames | null = null;\n let inspectedElement = null;\n if (!elementHasChanged
&& element !== null) {\n  inspectedElement = inspectElement(element, state.path, store, bridge);\n\n  if (typeof
hookNamesModuleLoader === 'function') {\n    if (parseHookNames || alreadyLoadedHookNames) {\n      const
hookNamesModule = loadModule(hookNamesModuleLoader);\n      if (hookNamesModule !== null) {\n
const {parseHookNames: loadHookNamesFunction, purgeCachedMetadata} =\n        hookNamesModule;\n\n
purgeCachedMetadataRef.current = purgeCachedMetadata;\n        if (\n          inspectedElement !== null &&\n
inspectedElement.hooks !== null &&\n          loadHookNamesFunction !== null\n        ) {\n
hookNames = loadHookNames(\n          element,\n          inspectedElement.hooks,\n
loadHookNamesFunction,\n          fetchFileWithCaching,\n        );\n      }\n    }\n  }\n\n  const
toggleParseHookNames: ToggleParseHookNames =\n    useCallback<ToggleParseHookNames>(() => {\n
startTransition(() => {\n    setParseHookNames(value => !value);\n    refresh();\n  });\n  },
[setParseHookNames]);\n\n  const inspectPaths: InspectPathFunction = useCallback<InspectPathFunction>(\n
(path: Path) => {\n    startTransition(() => {\n      setState({\n        element: state.element,\n        path,\n
      });\n      refresh();\n    });\n  },\n  [setState, state,\n  ]);\n\n  const inspectedElementRef = useRef<null |
InspectedElement>(null);\n  useEffect(() => {\n    if (\n      inspectedElement !== null &&\n
inspectedElement.hooks !== null &&\n      inspectedElementRef.current !== inspectedElement\n    )\n      inspectedElementRef.current = inspectedElement;\n    }\n  }, [inspectedElement]);\n\n  useEffect(() => {\n    const
purgeCachedMetadata = purgeCachedMetadataRef.current;\n    if (typeof purgeCachedMetadata === 'function') {\n
// When Fast Refresh updates a component, any cached AST metadata may be invalid.\n    const
fastRefreshScheduled = () => {\n      startTransition(() => {\n        clearHookNamesCache();\n
purgeCachedMetadata();\n        refresh();\n      });\n    }; \n    bridge.addListener('fastRefreshScheduled',
fastRefreshScheduled);\n    return () =>\n      bridge.removeListener('fastRefreshScheduled',
fastRefreshScheduled);\n  } ], [bridge]);\n\n  // Reset path now that we've asked the backend to hydrate it.\n //
The backend is stateful, so we don't need to remember this path the next time we inspect.\n  useEffect(() => {\n
if (state.path !== null) {\n    setState({\n      element: state.element,\n      path: null,\n    });\n  } ], [state]);\n
\n  // Periodically poll the selected element for updates.\n  useEffect(() => {\n    if (element !== null) {\n      const
checkForUpdateWrapper = () => {\n        checkForUpdate({bridge, element, refresh, store});\n        timeoutID =
setTimeout(checkForUpdateWrapper, POLL_INTERVAL);\n      }; \n      let timeoutID =
setTimeout(checkForUpdateWrapper, POLL_INTERVAL);\n      return () => {\n        clearTimeout(timeoutID);\n
      };\n    } ], [\n      element,\n      hookNames,\n      // Reset this timer any time the element we're inspecting gets a new
response.\n      // No sense to ping right away after e.g. inspecting/hydrating a path.\n      inspectedElement,\n      state,\n
    ]);\n\n  const value = useMemo<Context>(\n    () => ({\n      hookNames,\n      inspectedElement,\n
inspectPaths,\n      parseHookNames,\n      toggleParseHookNames,\n    }),\n    [\n      hookNames,\n
inspectedElement,\n      inspectPaths,\n      parseHookNames,\n      toggleParseHookNames,\n    ],\n  );\n\n  return (\n
<InspectedElementContext.Provider value={value}>\n    {children}\n  </InspectedElementContext.Provider>\n
);\n\n  \n", "export const PROTOCOLS_SUPPORTED_AS_LINKS_IN_KEY_VALUE = [\n  'file://',\n  'http://',\n
'https://',\n  'vscode://',\n];\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n *
@flow\n */\n\nimport * as React from 'react';\nimport {useTransition, useContext, useRef, useState} from
'react';\nimport {OptionsContext} from '../context';\nimport EditableName from './EditableName';\nimport
EditableValue from './EditableValue';\nimport NewArrayValue from './NewArrayValue';\nimport NewKeyValue

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from './NewKeyValue';\nimport LoadingAnimation from './LoadingAnimation';\nimport ExpandCollapseToggle
from './ExpandCollapseToggle';\nimport {alphaSortEntries, getMetaValueLabel} from '../utils';\nimport {meta}
from '../hydration';\nimport useContextMenu from '../ContextMenu/useContextMenu';\nimport Store from
 '../store';\nimport {parseHookPathForEdit} from './utils';\nimport styles from './KeyValue.css';\nimport Button
from 'react-devtools-shared/src/devtools/views/Button';\nimport ButtonIcon from 'react-devtools-
shared/src/devtools/views/ButtonIcon';\nimport isArray from 'react-devtools-shared/src/isArray';\nimport
{InspectedElementContext} from './InspectedElementContext';\nimport
{PROTOCOLS_SUPPORTED_AS_LINKS_IN_KEY_VALUE} from './constants';\n\nimport type
{InspectedElement} from './types';\nimport type {Element} from 'react-devtools-
shared/src/devtools/views/Components/types';\nimport type {Element as ReactElement} from 'react';\nimport type
{FrontendBridge} from 'react-devtools-shared/src/bridge';\n\n// $FlowFixMe[method-unbinding]\nconst
hasOwnProperty = Object.prototype.hasOwnProperty;\n\nntype Type = 'props' | 'state' | 'context' | 'hooks';\n\nntype
KeyValueProps = {\n  alphaSort: boolean,\n  bridge: FrontendBridge,\n  canDeletePaths: boolean,\n  canEditValues:
boolean,\n  canRenamePaths: boolean,\n  canRenamePathsAtDepth?: (depth: number) => boolean,\n  depth:
number,\n  element: Element,\n  hidden: boolean,\n  hookID?: ?number,\n  hookName?: ?string,\n
inspectedElement: InspectedElement,\n  isDirectChildOfAnArray?: boolean,\n  name: string,\n  path: Array<any>,\n
pathRoot: Type,\n  store: Store,\n  value: any,\n};\n\nexport default function KeyValue({\n  alphaSort,\n  bridge,\n
canDeletePaths,\n  canEditValues,\n  canRenamePaths,\n  canRenamePathsAtDepth,\n  depth,\n  element,\n
inspectedElement,\n  isDirectChildOfAnArray,\n  hidden,\n  hookID,\n  hookName,\n  name,\n  path,\n  pathRoot,\n
store,\n  value,\n}: KeyValueProps): React.Node {\n  const {readOnly: readOnlyGlobalFlag} =
useContext(OptionsContext);\n  canDeletePaths = !readOnlyGlobalFlag && canDeletePaths;\n  canEditValues =
!readOnlyGlobalFlag && canEditValues;\n  canRenamePaths = !readOnlyGlobalFlag && canRenamePaths;\n\n
const {id} = inspectedElement;\n\n  const [isOpen, setIsOpen] = useState<boolean>(false);\n  const
contextMenuTriggerRef = useRef(null);\n\n  const {inspectPaths} = useContext(InspectedElementContext);\n\n  let
isInspectable = false;\n  let isReadOnlyBasedOnMetadata = false;\n  if (value !== null && typeof value ===
'object') {\n    isInspectable = value[meta.inspectable] && value[meta.size] !== 0;\n    isReadOnlyBasedOnMetadata
= value[meta.readonly];\n  }\n\n  const [isInspectPathsPending, startInspectPathsTransition] = useTransition();\n
const toggleIsOpen = () => {\n    if (isOpen) {\n      setIsOpen(false);\n    } else {\n      setIsOpen(true);\n\n
      if (isInspectable) {\n        startInspectPathsTransition(() => {\n          inspectPaths([pathRoot, ...path]);\n
        });\n      }\n    }\n  };\n\n  useContextMenu({\n    data: {\n      path: [pathRoot, ...path],\n      type:\n        value !== null &&\n        typeof value === 'object' &&\n        hasOwnProperty.call(value, meta.type)\n          ? value[meta.type]\n          :\n        typeof value,\n      id: 'InspectedElement',\n      ref: contextMenuTriggerRef,\n    });\n\n    const dataType = typeof
value;\n    const isSimpleType =\n      dataType === 'number' ||\n      dataType === 'string' ||\n      dataType === 'boolean'\n      ||\n      value == null;\n\n    const style = {\n      paddingLeft: `${(depth - 1) * 0.75}rem`,\n    };\n\n    const overrideValue =
(newPath: Array<string | number>, newValue: any) => {\n      if (hookID !== null) {\n        newPath =
parseHookPathForEdit(newPath);\n      }\n\n      const rendererID = store.getRendererIDForElement(id);\n      if
(rendererID !== null) {\n        bridge.send('overrideValueAtPath', {\n          hookID,\n          id,\n          path: newPath,\n
rendererID,\n          type: pathRoot,\n          value: newValue,\n        });\n      }\n    };\n\n    const deletePath =
(pathToDelete: Array<string | number>) => {\n      if (hookID !== null) {\n        pathToDelete =
parseHookPathForEdit(pathToDelete);\n      }\n\n      const rendererID = store.getRendererIDForElement(id);\n      if
(rendererID !== null) {\n        bridge.send('deletePath', {\n          hookID,\n          id,\n          path: pathToDelete,\n
rendererID,\n          type: pathRoot,\n        });\n      }\n    };\n\n    const renamePath = (\n      oldPath: Array<string |
number>,\n      newPath: Array<string | number>,\n    ) => {\n      if (newPath[newPath.length - 1] === '') {\n        //
Deleting the key suggests an intent to delete the whole path.\n        if (canDeletePaths) {\n          deletePath(oldPath);\n
        }\n      } else {\n        if (hookID !== null) {\n          oldPath = parseHookPathForEdit(oldPath);\n          newPath =
parseHookPathForEdit(newPath);\n        }\n\n        const rendererID = store.getRendererIDForElement(id);\n        if
(rendererID !== null) {\n          bridge.send('renamePath', {\n            hookID,\n            id,\n            newPath,\n
oldPath,\n            rendererID,\n            type: pathRoot,\n          });\n        }\n      }\n    };\n\n    // TRICKY This is a bit of a

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hack to account for context and hooks.\n // In these cases, paths can be renamed but only at certain depths.\n // The
special \"value\" wrapper for context shouldn't be editable.\n // Only certain types of hooks should be editable.\n let
canRenameTheCurrentPath = canRenamePaths;\n if (canRenameTheCurrentPath && typeof
canRenamePathsAtDepth === 'function') {\n   canRenameTheCurrentPath = canRenamePathsAtDepth(depth);\n
}\n\n let renderedName;\n if (isDirectChildOfAnArray) {\n   if (canDeletePaths) {\n     renderedName = (\n
<DeleteToggle name={name} deletePath={deletePath} path={path} />\n   );\n   } else {\n     renderedName = (\n
   <span className={styles.Name}>\n     {name}\n     {!!hookName && <span
className={styles.HookName}>({hookName})</span>\n   </span>\n   );\n   }\n   } else if
(canRenameTheCurrentPath) {\n     renderedName = (\n   <EditableName\n     allowEmpty={canDeletePaths}\n
     className={styles.EditableName}\n     initialValue={name}\n     overrideName={renamePath}\n
     path={path}\n   />\n   );\n   } else {\n     renderedName = (\n   <span className={styles.Name} data-
testname=\"NonEditableName\">\n     {name}\n     {!!hookName && <span
className={styles.HookName}>({hookName})</span>\n   </span>\n   );\n   }\n\n let children = null;\n if
(isSimpleType) {\n   let displayValue = value;\n   if (dataType === 'string') {\n     displayValue = `\"${value}\"`;
\n   } else if (dataType === 'boolean') {\n     displayValue = value ? 'true' : 'false';\n   } else if (value === null) {\n
displayValue = 'null';\n   } else if (value === undefined) {\n     displayValue = 'undefined';\n   }\n\n let
shouldDisplayValueAsLink = false;\n   if (\n     dataType === 'string' &&\n
     PROTOCOLS_SUPPORTED_AS_LINKS_IN_KEY_VALUE.some(protocolPrefix =>\n
     value.startsWith(protocolPrefix),\n     )\n   ) {\n     shouldDisplayValueAsLink = true;\n   }\n\n   children = (\n
<div\n     key=\"root\"\n     className={styles.Item}\n     hidden={hidden}\n
     ref={contextMenuTriggerRef}\n     style={style}>\n     <div className={styles.ExpandCollapseToggleSpacer}
/>\n     {renderedName}\n     <div className={styles.AfterName}>:</div>\n     {canEditValues ? (\n
<EditableValue\n       overrideValue={overrideValue}\n       path={path}\n       value={value}\n     />\n
     ) : shouldDisplayValueAsLink ? (\n     <a\n       className={styles.Link}\n       href={value}\n
       target=\"_blank\"\n       rel=\"noopener noreferrer\">\n       {displayValue}\n     </a>\n     ) : (\n
<span className={styles.Value} data-testname=\"NonEditableValue\">\n       {displayValue}\n     </span>\n
     )}\n     </div>\n   );\n   } else if (\n     hasOwnProperty.call(value, meta.type) &&\n
     !hasOwnProperty.call(value, meta.unserializable)\n   ) {\n     children = (\n     <div\n       key=\"root\"\n
       className={styles.Item}\n       hidden={hidden}\n       ref={contextMenuTriggerRef}\n       style={style}>\n
       {isInspectable ? (\n     <ExpandCollapseToggle isOpen={isOpen} setIsOpen={toggleIsOpen} />\n     ) : (\n
<div className={styles.ExpandCollapseToggleSpacer} />\n     )}\n       {renderedName}\n       <div
className={styles.AfterName}>:</div>\n       <span\n         className={styles.Value}\n
         onClick={isInspectable ? toggleIsOpen : undefined}>\n         {getMetaValueLabel(value)}\n       </span>\n
     </div>\n   );\n   }\n   if (isInspectPathsPending) {\n     children = (\n     <>\n       {children}\n     <div
className={styles.Item} style={style}>\n       <div className={styles.ExpandCollapseToggleSpacer} />\n
       <LoadingAnimation />\n     </div>\n     </>\n   );\n   }\n   } else {\n     if (isArray(value)) {\n     const
hasChildren = value.length > 0 || canEditValues;\n     const displayName = getMetaValueLabel(value);\n
     children = value.map((innerValue, index) => (\n     <KeyValue\n       key={index}\n
       alphaSort={alphaSort}\n       bridge={bridge}\n       canDeletePaths={canDeletePaths &&
       !isReadOnlyBasedOnMetadata}\n       canEditValues={canEditValues && !isReadOnlyBasedOnMetadata}\n
       canRenamePaths={canRenamePaths && !isReadOnlyBasedOnMetadata}\n
       canRenamePathsAtDepth={canRenamePathsAtDepth}\n       depth={depth + 1}\n       element={element}\n
       hookID={hookID}\n       inspectedElement={inspectedElement}\n       isDirectChildOfAnArray={true}\n
       hidden={hidden || !isOpen}\n       name={index}\n       path={path.concat(index)}\n
       pathRoot={pathRoot}\n       store={store}\n       value={value[index]}\n     />\n     ));\n     if (canEditValues
&& !isReadOnlyBasedOnMetadata) {\n     children.push(\n     <NewArrayValue\n       key=\"NewKeyValue\"\n
       bridge={bridge}\n       depth={depth + 1}\n       hidden={hidden || !isOpen}\n
       hookID={hookID}\n       index={value.length}\n       element={element}\n

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inspectedElement={inspectedElement}\n      path={path}\n      store={store}\n      type={pathRoot}\n
/>,\n  );\n  }\n\n  children.unshift(\n    <div\n      key={`\${depth}-root`}\n
className={styles.Item}\n      hidden={hidden}\n      ref={contextMenuTriggerRef}\n      style={style}>\n
    {hasChildren ? (\n      <ExpandCollapseToggle isOpen={isOpen} setIsOpen={setIsOpen} />\n    ) : (\n
    <div className={styles.ExpandCollapseToggleSpacer} />\n    )}\n    {renderedName}\n    <div
className={styles.AfterName}>:</div>\n    <span\n      className={styles.Value}\n
onClick={hasChildren ? toggleIsOpen : undefined}>\n      {displayName}\n    </span>\n    </div>,\n
);\n  } else {\n    // TRICKY\n    // It's important to use Object.entries() rather than Object.keys()\n    // because
of the hidden meta Symbols used for hydration and unserializable values.\n    const entries =
Object.entries(value);\n    if (alphaSort) {\n      entries.sort(alphaSortEntries);\n    }\n    const hasChildren =
entries.length > 0 || canEditValues;\n    const displayName = getMetaValueLabel(value);\n    children =
entries.map(([key, keyValue]): ReactElement<any> => (\n      <KeyValue\n        key={key}\n
alphaSort={alphaSort}\n        bridge={bridge}\n        canDeletePaths={canDeletePaths &&
!isReadOnlyBasedOnMetadata}\n        canEditValues={canEditValues && !isReadOnlyBasedOnMetadata}\n
canRenamePaths={canRenamePaths && !isReadOnlyBasedOnMetadata}\n
canRenamePathsAtDepth={canRenamePathsAtDepth}\n        depth={depth + 1}\n        element={element}\n
hookID={hookID}\n        inspectedElement={inspectedElement}\n        hidden={hidden || !isOpen}\n
name={key}\n        path={path.concat(key)}\n        pathRoot={pathRoot}\n        store={store}\n
value={keyValue}\n      />\n    ));\n    if (canEditValues && !isReadOnlyBasedOnMetadata) {\n
children.push(\n      <NewKeyValue\n        key="NewKeyValue"\n        bridge={bridge}\n
depth={depth + 1}\n        element={element}\n        hidden={hidden || !isOpen}\n        hookID={hookID}\n
inspectedElement={inspectedElement}\n        path={path}\n        store={store}\n
type={pathRoot}\n      />,\n    );\n  }\n\n  children.unshift(\n    <div\n      key={`\${depth}-root`}\n
className={styles.Item}\n      hidden={hidden}\n      ref={contextMenuTriggerRef}\n      style={style}>\n
    {hasChildren ? (\n      <ExpandCollapseToggle isOpen={isOpen} setIsOpen={setIsOpen} />\n    ) : (\n
    <div className={styles.ExpandCollapseToggleSpacer} />\n    )}\n    {renderedName}\n    <div
className={styles.AfterName}>:</div>\n    <span\n      className={styles.Value}\n
onClick={hasChildren ? toggleIsOpen : undefined}>\n      {displayName}\n    </span>\n    </div>,\n
);\n  }\n\n  return children;\n}\n\n// $FlowFixMe[missing-local-annot]\nfunction DeleteToggle({deletePath,
name, path}) {\n  // $FlowFixMe[missing-local-annot]\n  const handleClick = event => {\n
event.stopPropagation();\n    deletePath(path);\n  };\n\n  return (\n    <>\n      <Button\n
className={styles.DeleteArrayItemButton}\n        onClick={handleClick}\n        title="Delete entry">\n
<ButtonIcon type="delete" />\n      </Button>\n      <span className={styles.Name}>{name}</span>\n    </>\n
);\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport
{copy} from 'clipboard-js';\nimport * as React from 'react';\nimport Button from './Button';\nimport ButtonIcon
from './ButtonIcon';\nimport KeyValue from './KeyValue';\nimport {alphaSortEntries, serializeDataForCopy} from
'./utils';\nimport Store from '../store';\nimport styles from './InspectedElementSharedStyles.css';\nimport {
ElementTypeClass,\n  ElementTypeFunction,\n} from 'react-devtools-shared/src/types';\nimport type
{InspectedElement} from './types';\nimport type {FrontendBridge} from 'react-devtools-shared/src/bridge';\nimport
type {Element} from 'react-devtools-shared/src/devtools/views/Components/types';\n\nexport type Props = {\n  bridge:
FrontendBridge,\n  element: Element,\n  inspectedElement: InspectedElement,\n  store: Store,\n};\n\nexport default
function InspectedElementContextTree({\n  bridge,\n  element,\n  inspectedElement,\n  store,\n}: Props):
React.Node {\n  const {hasLegacyContext, context, type} = inspectedElement;\n\n  const isReadOnly = type !==
ElementTypeClass && type !== ElementTypeFunction;\n\n  const entries = context !== null ? Object.entries(context)
: null;\n  if (entries !== null) {\n    entries.sort(alphaSortEntries);\n  }\n\n  const isEmpty = entries === null ||
entries.length === 0;\n\n  const handleCopy = () => copy(serializeDataForCopy(((context: any): Object)));\n\n  //
We add an object with a "value" key as a wrapper around Context data\n  // so that we can use the shared

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<KeyValue> component to display it.\n // This wrapper object can't be renamed.\n // $FlowFixMe[missing-local-annot]\n const canRenamePathsAtDepth = depth => depth > 1;\n\n if (isEmpty) {\n   return null;\n } else {\n   return (\n     <div className={styles.InspectedElementTree}>\n       <div className={styles.HeaderRow}>\n         <div className={styles.Header}>\n           {hasLegacyContext ? 'legacy context' : 'context'}\n         </div>\n         {!isEmpty && (\n           <Button onClick={handleCopy} title=\"Copy to clipboard\">\n             <ButtonIcon type=\"copy\" />\n           </Button>\n         )}\n       </div>\n       {isEmpty && <div className={styles.Empty}>None</div>}\n       {!isEmpty &&\n         (entries: any).map(([, name, value]) => (\n           <KeyValue\n             key={name}\n             alphaSort={true}\n             bridge={bridge}\n             canDeletePaths={!isReadOnly}\n             canEditValues={!isReadOnly}\n             canRenamePaths={!isReadOnly}\n             canRenamePathsAtDepth={canRenamePathsAtDepth}\n             depth={1}\n             element={element}\n             hidden={false}\n             inspectedElement={inspectedElement}\n             name={name}\n             path={[name]}\n             pathRoot=\"context\"\n             store={store}\n             type=\"context\"\n             value={value}\n           />\n         ))}\n     </div>\n   );\n }\n\n\"/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n\nimport * as React from 'react';\nimport {\n  useContext,\n  unstable_useCacheRefresh as useCacheRefresh,\n  useTransition,\n} from 'react';\nimport Button from '../Button';\nimport ButtonIcon from '../ButtonIcon';\nimport Store from '../store';\nimport sharedStyles from './InspectedElementSharedStyles.css';\nimport styles from './InspectedElementErrorsAndWarningsTree.css';\nimport {SettingsContext} from '../Settings/SettingsContext';\nimport {\n  clearErrorsForElement as clearErrorsForElementAPI,\n  clearWarningsForElement as clearWarningsForElementAPI,\n} from 'react-devtools-shared/src/backendAPI';\nimport type {InspectedElement} from './types';\nimport type {FrontendBridge} from 'react-devtools-shared/src/bridge';\n\nexport type Props = {\n  bridge: FrontendBridge,\n  inspectedElement: InspectedElement,\n  store: Store,\n};\n\nexport default function InspectedElementErrorsAndWarningsTree({\n  bridge,\n  inspectedElement,\n  store,\n}: Props): React.Node {\n  const refresh = useCacheRefresh();\n  const [isErrorsTransitionPending, startClearErrorsTransition] =\n    useTransition();\n  const clearErrorsForInspectedElement = () => {\n    const {id} = inspectedElement;\n    const rendererID = store.getRendererIDForElement(id);\n    if (rendererID !== null) {\n      startClearErrorsTransition(() => {\n        clearErrorsForElementAPI({\n          bridge,\n          id,\n          rendererID,\n        });\n        refresh();\n      });\n    }\n  }; \n  const [isWarningsTransitionPending, startClearWarningsTransition] =\n    useTransition();\n  const clearWarningsForInspectedElement = () => {\n    const {id} = inspectedElement;\n    const rendererID = store.getRendererIDForElement(id);\n    if (rendererID !== null) {\n      startClearWarningsTransition(() => {\n        clearWarningsForElementAPI({\n          bridge,\n          id,\n          rendererID,\n        });\n        refresh();\n      });\n    }\n  }; \n  const {showInlineWarningsAndErrors} = useContext(SettingsContext);\n  if (!showInlineWarningsAndErrors) {\n    return null;\n  }\n  const {errors, warnings} = inspectedElement;\n  return (\n    <React.Fragment>\n      {errors.length > 0 && (\n        <Tree\n          badgeClassName={styles.ErrorBadge}\n          bridge={bridge}\n          className={styles.ErrorTree}\n          clearMessages={clearErrorsForInspectedElement}\n          entries={errors}\n          isTransitionPending={isErrorsTransitionPending}\n          label=\"errors\"\n          messageClassName={styles.Error}\n        />\n      )}\n      {warnings.length > 0 && (\n        <Tree\n          badgeClassName={styles.WarningBadge}\n          bridge={bridge}\n          className={styles.WarningTree}\n          clearMessages={clearWarningsForInspectedElement}\n          entries={warnings}\n          isTransitionPending={isWarningsTransitionPending}\n          label=\"warnings\"\n          messageClassName={styles.Warning}\n        />\n      )}\n    </React.Fragment>\n  );\n}\n\nexport type TreeProps = {\n  badgeClassName: string,\n  actions: React$Node,\n  className: string,\n  clearMessages: () => void,\n  entries: Array<[string, number]>,\n  isTransitionPending: boolean,\n  label: string,\n  messageClassName: string,\n};\n\nfunction Tree({\n  badgeClassName,\n  actions,\n  className,\n  clearMessages,\n  entries,\n  isTransitionPending,\n  label,\n  messageClassName,\n}: TreeProps) {\n  if (entries.length === 0) {\n    return

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null;\n }\n return (\n <div className={` ${sharedStyles.InspectedElementTree} ${className} `}>\n <div
className={` ${sharedStyles.HeaderRow} ${styles.HeaderRow} `}>\n <div
className={sharedStyles.Header}>{label}</div>\n <Button\n disabled={isTransitionPending}>\n
onClick={clearMessages}\n title={`Clear all ${label} for this component`}>\n <ButtonIcon
type="clear" />\n </Button>\n </div>\n {entries.map(([message, count], index) => (\n
<ErrorOrWarningView\n key={` ${label} - ${index} `}\n badgeClassName={badgeClassName}\n
className={messageClassName}\n count={count}\n message={message}\n />\n ))}\n
</div>\n );\n\n\ntype ErrorOrWarningViewProps = {\n badgeClassName: string,\n className: string,\n count:
number,\n message: string,\n};\n\nfunction ErrorOrWarningView({\n className,\n badgeClassName,\n count,\n
message,\n}: ErrorOrWarningViewProps) {\n return (\n <div className={className}>\n {count > 1 &&
<div className={badgeClassName}>{count}</div>}\n <div className={styles.Message} title={message}>\n
{message}\n </div>\n </div>\n );\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n *
This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\nimport {copy} from 'clipboard-js';\nimport * as React from 'react';\nimport
{useCallback, useContext, useRef, useState} from 'react';\nimport {BridgeContext, StoreContext} from
'../context';\nimport Button from '../Button';\nimport ButtonIcon from '../ButtonIcon';\nimport Toggle from
'../Toggle';\nimport ExpandCollapseToggle from './ExpandCollapseToggle';\nimport KeyValue from
'./KeyValue';\nimport {getMetaValueLabel, serializeHooksForCopy} from '../utils';\nimport Store from
'../store';\nimport styles from './InspectedElementHooksTree.css';\nimport useContextMenu from
'../ContextMenu/useContextMenu';\nimport {meta} from '../hydration';\nimport {getHookSourceLocationKey}
from 'react-devtools-shared/src/hookNamesCache';\nimport HookNamesModuleLoaderContext from 'react-
devtools-shared/src/devtools/views/Components/HookNamesModuleLoaderContext';\nimport isArray from 'react-
devtools-shared/src/isArray';\nimport type {InspectedElement} from './types';\nimport type {HooksNode,
HooksTree} from 'react-debug-tools/src/ReactDebugHooks';\nimport type {FrontendBridge} from 'react-devtools-
shared/src/bridge';\nimport type {HookNames} from 'react-devtools-shared/src/types';\nimport type {Element} from
'react-devtools-shared/src/devtools/views/Components/types';\nimport type {ToggleParseHookNames} from
'./InspectedElementContext';\n\ntype HooksTreeViewProps = {\n bridge: FrontendBridge,\n element: Element,\n
hookNames: HookNames | null,\n inspectedElement: InspectedElement,\n parseHookNames: boolean,\n store:
Store,\n toggleParseHookNames: ToggleParseHookNames,\n};\n\nexport function InspectedElementHooksTree({\n
bridge,\n element,\n hookNames,\n inspectedElement,\n parseHookNames,\n store,\n
toggleParseHookNames,\n}: HooksTreeViewProps): React.Node {\n const {hooks, id} = inspectedElement;\n\n //
Changing parseHookNames is done in a transition, because it suspends.\n // This value is done outside of the
transition, so the UI toggle feels responsive.\n const [parseHookNamesOptimistic, setParseHookNamesOptimistic]
= useState(parseHookNames);\n const handleChange = () => {\n
setParseHookNamesOptimistic(!parseHookNames);\n toggleParseHookNames();\n};\n\n const
hookNamesModuleLoader = useContext(HookNamesModuleLoaderContext);\n\n const hookParsingFailed =
parseHookNames && hookNames === null;\n\n let toggleTitle;\n if (hookParsingFailed) {\n toggleTitle = 'Hook
parsing failed';\n } else if (parseHookNames) {\n toggleTitle = 'Parsing hook names ...';\n } else {\n toggleTitle
= 'Parse hook names (may be slow)';\n }\n\n const handleCopy = () => copy(serializeHooksForCopy(hooks));\n\n
if (hooks === null) {\n return null;\n } else {\n return (\n <div\n className={styles.HooksTreeView}\n
data-testname="InspectedElementHooksTree">\n <div className={styles.HeaderRow}>\n <div
className={styles.Header}>hooks</div>\n {typeof hookNamesModuleLoader === 'function' &&\n
(!parseHookNames || hookParsingFailed) && (\n <Toggle\n className={hookParsingFailed ?
styles.ToggleError : null}\n isChecked={parseHookNamesOptimistic}\n
isDisabled={parseHookNamesOptimistic || hookParsingFailed}\n onChange={handleChange}\n
testName="LoadHookNamesButton"\n title={toggleTitle}>\n <ButtonIcon type="parse-hook-
names" />\n </Toggle>\n )}\n <Button onClick={handleCopy} title="Copy to clipboard">\n
<ButtonIcon type="copy" />\n </Button>\n </div>\n <InnerHooksTreeView\n

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hookNames={hookNames}\n      hooks={hooks}\n      id={id}\n      element={element}\n
inspectedElement={inspectedElement}\n      path={[]} \n      />\n      </div>\n    );\n  }\n}\n\ntype
InnerHooksTreeViewProps = {\n  element: Element,\n  hookNames: HookNames | null,\n  hooks: HooksTree,\n  id:
number,\n  inspectedElement: InspectedElement,\n  path: Array<string | number>,\n};\n\nexport function
InnerHooksTreeView({\n  element,\n  hookNames,\n  hooks,\n  id,\n  inspectedElement,\n  path,\n}:
InnerHooksTreeViewProps): React.Node {\n  return hooks.map((hook, index) => (\n    <HookView\n
key={index}\n    element={element}\n    hook={hooks[index]}\n    hookNames={hookNames}\n    id={id}\n
inspectedElement={inspectedElement}\n    path={path.concat([index])}\n    />\n  ));\n}\n\ntype HookViewProps =
{\n  element: Element,\n  hook: HooksNode,\n  hookNames: HookNames | null,\n  id: number,\n  inspectedElement:
InspectedElement,\n  path: Array<string | number>,\n};\n\nfunction HookView({\n  element,\n  hook,\n
hookNames,\n  id,\n  inspectedElement,\n  path,\n}: HookViewProps) {\n  const {canEditHooks,
canEditHooksAndDeletePaths, canEditHooksAndRenamePaths} =\n    inspectedElement;\n  const {id: hookID,
isStateEditable, subHooks, value} = hook;\n\n  const isReadOnly = hookID === null || !isStateEditable;\n\n  const
canDeletePaths = !isReadOnly && canEditHooksAndDeletePaths;\n  const canEditValues = !isReadOnly &&
canEditHooks;\n  const canRenamePaths = !isReadOnly && canEditHooksAndRenamePaths;\n\n  const bridge =
useContext(BridgeContext);\n  const store = useContext(StoreContext);\n  const [isOpen, setIsOpen] =
useState<boolean>(false);\n\n  const toggleIsOpen = useCallback(\n    () => setIsOpen(prevIsOpen =>
!prevIsOpen),\n    [],\n  );\n\n  const contextMenuTriggerRef = useRef(null);\n\n  useContextMenu({\n    data: {\n
path: ['hooks', ...path],\n    type:\n      hook !== null &&\n      typeof hook === 'object' &&\n
hook.hasOwnProperty(meta.type)\n      ? hook[(meta.type: any)]\n      : typeof value,\n    },\n    id:
'InspectedElement',\n    ref: contextMenuTriggerRef,\n  });\n\n  if (hook.hasOwnProperty(meta.inspected)) {\n    //
This Hook is too deep and hasn't been hydrated.\n    if (__DEV__) {\n      console.warn('Unexpected dehydrated
hook; this is a DevTools error.);\n    }\n  }\n  return (\n    <div className={styles.Hook}>\n      <div
className={styles.NameValueRow}>\n        <span className={styles.TruncationIndicator}>...</span>\n
</div>\n      </div>\n    );\n  }\n}\n\n// Certain hooks are not editable at all (as identified by react-debug-tools).\n//
Primitive hook names (e.g. the "State" name for useState) are also never editable.\n// $FlowFixMe[missing-local-
annot]\n  const canRenamePathsAtDepth = depth => isStateEditable && depth > 1;\n\n  const isCustomHook =
subHooks.length > 0;\n\n  let name = hook.name;\n  if (hookID !== null) {\n    name = (\n      <>\n      <span
className={styles.PrimitiveHookNumber}>{hookID + 1}</span>\n      {name}\n      </>\n    );\n  }\n\n  const
type = typeof value;\n\n  let displayValue;\n  let isComplexDisplayValue = false;\n\n  const hookSource =
hook.hookSource;\n  const hookName =\n    hookNames != null && hookSource != null\n    ?
hookNames.get(getHookSourceLocationKey(hookSource))\n    : null;\n\n  const hookDisplayName = hookName ?
(\n    <>\n    {name}\n    {!!hookName && <span className={styles.HookName}>({hookName})</span>\n
</>\n  ) : (\n    name\n  );\n\n  // Format data for display to mimic the props/state/context for now.\n  if (type ===
'string') {\n    displayValue = `\"${((value: any): string)}\"`;\n  } else if (type === 'boolean') {\n    displayValue =
value ? 'true' : 'false';\n  } else if (type === 'number') {\n    displayValue = value;\n  } else if (value === null) {\n
displayValue = 'null';\n  } else if (value === undefined) {\n    displayValue = null;\n  } else if (isArray(value)) {\n
isComplexDisplayValue = true;\n    displayValue = 'Array';\n  } else if (type === 'object') {\n
isComplexDisplayValue = true;\n    displayValue = 'Object';\n  }\n\n  if (isCustomHook) {\n    const subHooksView
= isArray(subHooks) ? (\n      <InnerHooksTreeView\n        element={element}\n        hooks={subHooks}\n
hookNames={hookNames}\n        id={id}\n        inspectedElement={inspectedElement}\n
path={path.concat(['subHooks'])}\n      />\n    ) : (\n      <KeyValue\n        alphaSort={false}\n
bridge={bridge}\n        canDeletePaths={canDeletePaths}\n        canEditValues={canEditValues}\n
canRenamePaths={canRenamePaths}\n        canRenamePathsAtDepth={canRenamePathsAtDepth}\n
depth={1}\n        element={element}\n        hookID={hookID}\n        hookName={hookName}\n
inspectedElement={inspectedElement}\n        name=\"subHooks\"\n        path={path.concat(['subHooks'])}\n
store={store}\n        type=\"hooks\"\n        value={subHooks}\n      />\n    );\n\n    if (isComplexDisplayValue) {\n
return (\n      <div className={styles.Hook}>\n        <div ref={contextMenuTriggerRef}

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className={styles.NameValueRow}>\n      <ExpandCollapseToggle isOpen={isOpen} setIsOpen={setIsOpen}
/>\n      <span\n        onClick={toggleIsOpen}\n        className={name !== '?' ? styles.Name :
styles.NameAnonymous}>\n        {hookDisplayName || 'Anonymous'}\n      </span>\n      <span
className={styles.Value} onClick={toggleIsOpen}>\n        {isOpen || getMetaValueLabel(value)}\n
</span>\n    </div>\n    <div className={styles.Children} hidden={!isOpen}>\n      <KeyValue\n
alphaSort={false}\n        bridge={bridge}\n        canDeletePaths={canDeletePaths}\n
canEditValues={canEditValues}\n        canRenamePaths={canRenamePaths}\n
canRenamePathsAtDepth={canRenamePathsAtDepth}\n        depth={1}\n        element={element}\n
hookID={hookID}\n        hookName={hookName}\n        inspectedElement={inspectedElement}\n
name="Debug Value"\n        path={path.concat(['value'])}\n        pathRoot="hooks"\n
store={store}\n        value={value}\n      />\n      {subHooksView}\n    </div>\n  </div>\n  );\n
} else {\n  return (\n    <div className={styles.Hook}>\n      <div ref={contextMenuTriggerRef}
className={styles.NameValueRow}>\n        <ExpandCollapseToggle isOpen={isOpen} setIsOpen={setIsOpen}
/>\n        <span\n          onClick={toggleIsOpen}\n          className={name !== '?' ? styles.Name :
styles.NameAnonymous}>\n          {hookDisplayName || 'Anonymous'}\n        </span>{' '}\n        <span
className={styles.Value} onClick={toggleIsOpen}>\n          {displayValue}\n        </span>\n      </div>\n      <div className={styles.Children} hidden={!isOpen}>\n        {subHooksView}\n      </div>\n    </div>\n  );\n } }\n } else {\n  if (isComplexDisplayValue) {\n  return (\n    <div className={styles.Hook}>\n
<KeyValue\n      alphaSort={false}\n      bridge={bridge}\n      canDeletePaths={canDeletePaths}\n
canEditValues={canEditValues}\n      canRenamePaths={canRenamePaths}\n
canRenamePathsAtDepth={canRenamePathsAtDepth}\n      depth={1}\n      element={element}\n
hookID={hookID}\n      hookName={hookName}\n      inspectedElement={inspectedElement}\n
name={name}\n      path={path.concat(['value'])}\n      pathRoot="hooks"\n      store={store}\n
value={value}\n    />\n    </div>\n  );\n } } else {\n  return (\n    <div className={styles.Hook}>\n
<KeyValue\n      alphaSort={false}\n      bridge={bridge}\n      canDeletePaths={false}\n
canEditValues={canEditValues}\n      canRenamePaths={false}\n      depth={1}\n
element={element}\n      hookID={hookID}\n      hookName={hookName}\n
inspectedElement={inspectedElement}\n      name={name}\n      path={[]}\n      pathRoot="hooks"\n
store={store}\n      value={value}\n    />\n    </div>\n  );\n } }\n }\n }\n\nexport default
(React.memo(\n  InspectedElementHooksTree,\n): React.ComponentType<HookViewProps>);\n", "/**\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n * * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n * * @flow\n * *\nimport {copy} from
'clipboard-js';\nimport * as React from 'react';\nimport {OptionsContext} from './context';\nimport Button from
'./Button';\nimport ButtonIcon from './ButtonIcon';\nimport KeyValue from './KeyValue';\nimport NewKeyValue
from './NewKeyValue';\nimport {alphaSortEntries, serializeDataForCopy} from './utils';\nimport Store from
'./../store';\nimport styles from './InspectedElementSharedStyles.css';\nimport {ElementTypeClass} from 'react-
devtools-shared/src/types';\nimport type {InspectedElement} from './types';\nimport type {FrontendBridge} from
'react-devtools-shared/src/bridge';\nimport type {Element} from 'react-devtools-
shared/src/devtools/views/Components/types';\n\ntype Props = {\n  bridge: FrontendBridge,\n  element: Element,\n
inspectedElement: InspectedElement,\n  store: Store,\n};\n\nexport default function InspectedElementPropsTree({\n
bridge,\n  element,\n  inspectedElement,\n  store,\n}: Props): React.Node {\n  const {readOnly} =
React.useContext(OptionsContext);\n  const {\n    canEditFunctionProps,\n    canEditFunctionPropsDeletePaths,\n
canEditFunctionPropsRenamePaths,\n    props,\n    type,\n  } = inspectedElement;\n  const canDeletePaths =\n
type === ElementTypeClass || canEditFunctionPropsDeletePaths;\n  const canEditValues =\n  !readOnly && (type
=== ElementTypeClass || canEditFunctionProps);\n  const canRenamePaths =\n  type === ElementTypeClass ||
canEditFunctionPropsRenamePaths;\n  const entries = props != null ? Object.entries(props) : null;\n  if (entries
!= null) {\n    entries.sort(alphaSortEntries);\n  }\n  const isEmpty = entries === null || entries.length === 0;\n
const handleCopy = () => copy(serializeDataForCopy(((props: any): Object)));\n  return (\n    <div\n

```

```

className={styles.InspectedElementTree}>\n    data-testname=\\"InspectedElementPropsTree\">\n    <div
className={styles.HeaderRow}>\n    <div className={styles.Header}>props</div>\n    {!isEmpty && (\n
    <Button onClick={handleCopy} title=\\"Copy to clipboard\">\n    <ButtonIcon type=\\"copy\" />\n
</Button>\n    )}\n    </div>\n    {!isEmpty && \n    (entries: any).map(([name, value]) => (\n
<KeyValue\n    key={name}\n    alphaSort={true}\n    bridge={bridge}\n
canDeletePaths={canDeletePaths}\n    canEditValues={canEditValues}\n
canRenamePaths={canRenamePaths}\n    depth={1}\n    element={element}\n    hidden={false}\n
inspectedElement={inspectedElement}\n    name={name}\n    path={[name]}\n
pathRoot=\\"props\" \n    store={store}\n    value={value}\n    />\n    )}\n    {canEditValues && (\n
    <NewKeyValue\n    bridge={bridge}\n    depth={0}\n    hidden={false}\n
inspectedElement={inspectedElement}\n    path={[]}\n    store={store}\n    type=\\"props\" \n    />\n
)}\n </div>\n );\n\n\", \"/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n *
@flow\n */\n\nimport {copy} from 'clipboard-js';\nimport * as React from 'react';\nimport
{ElementType, HostComponent} from 'react-devtools-shared/src/types';\nimport Button from './Button';\nimport
ButtonIcon from './ButtonIcon';\nimport KeyValue from './KeyValue';\nimport {alphaSortEntries,
serializeDataForCopy} from './utils';\nimport Store from './store';\nimport styles from
'./InspectedElementSharedStyles.css';\nimport type {InspectedElement} from './types';\nimport type
{FrontendBridge} from 'react-devtools-shared/src/bridge';\nimport type {Element} from 'react-devtools-
shared/src/devtools/views/Components/types';\n\ntype Props = {\n  bridge: FrontendBridge,\n  element: Element,\n
inspectedElement: InspectedElement,\n  store: Store,\n};\n\nexport default function InspectedElementStateTree({\n
bridge,\n element,\n inspectedElement,\n store,\n}: Props): React.Node {\n  const {state, type} =
inspectedElement;\n\n  // HostSingleton and HostHoistable may have state that we don't want to expose to users\n
const isHostComponent = type === ElementType.HostComponent;\n\n  const entries = state != null ?
Object.entries(state) : null;\n  const isEmpty = entries === null || entries.length === 0;\n\n  if (isEmpty ||
isHostComponent) {\n    return null;\n  }\n\n  if (entries !== null) {\n    entries.sort(alphaSortEntries);\n  }\n\n  const
handleCopy = () => copy(serializeDataForCopy(((state: any): Object)));\n\n  return (\n    <div
className={styles.InspectedElementTree}>\n    <div className={styles.HeaderRow}>\n    <div
className={styles.Header}>state</div>\n    {!isEmpty && (\n    <Button onClick={handleCopy}
title=\\"Copy to clipboard\">\n    <ButtonIcon type=\\"copy\" />\n    </Button>\n    )}\n    </div>\n
{!isEmpty && <div className={styles.Empty}>None</div>}\n    {!isEmpty && \n    (entries: any).map(([name,
value]) => (\n    <KeyValue\n    key={name}\n    alphaSort={true}\n    bridge={bridge}\n
canDeletePaths={true}\n    canEditValues={true}\n    canRenamePaths={true}\n    depth={1}\n
element={element}\n    hidden={false}\n    inspectedElement={inspectedElement}\n
name={name}\n    path={[name]}\n    pathRoot=\\"state\" \n    store={store}\n    value={value}\n
    />\n    )}\n    </div>\n    );\n\n\", \"/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source
code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n
* @flow\n */\n\nimport * as React from 'react';\nimport KeyValue from './KeyValue';\nimport Store from
'./store';\nimport sharedStyles from './InspectedElementSharedStyles.css';\nimport styles from
'./InspectedElementStyleXPlugin.css';\nimport {enableStyleXFeatures} from 'react-devtools-feature-
flags';\nimport type {InspectedElement} from './types';\nimport type {FrontendBridge} from 'react-devtools-
shared/src/bridge';\nimport type {Element} from 'react-devtools-
shared/src/devtools/views/Components/types';\n\ntype Props = {\n  bridge: FrontendBridge,\n  element: Element,\n
inspectedElement: InspectedElement,\n  store: Store,\n};\n\nexport default function
InspectedElementStyleXPlugin({\n  bridge,\n  element,\n  inspectedElement,\n  store,\n}: Props): React.Node {\n  if
(!enableStyleXFeatures) {\n    return null;\n  }\n\n  const styleXPlugin = inspectedElement.plugins.stylex;\n  if
(styleXPlugin == null) {\n    return null;\n  }\n\n  const {resolvedStyles, sources} = styleXPlugin;\n\n  return (\n
<div className={sharedStyles.InspectedElementTree}>\n    <div className={sharedStyles.HeaderRow}>\n

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<div className={sharedStyles.Header}>stylex</div>\n    </div>\n    {sources.map(source => (\n    <div
key={source} className={styles.Source}>\n        {source}>\n    </div>\n    ))}\n
{Object.entries(resolvedStyles).map(([name, value]) => (\n    <KeyValue\n        key={name}>\n
alphaSort={true}>\n        bridge={bridge}>\n        canDeletePaths={false}>\n        canEditValues={false}>\n
canRenamePaths={false}>\n        depth={1}>\n        element={element}>\n        hidden={false}>\n
inspectedElement={inspectedElement}>\n        name={name}>\n        path={[name]}>\n        pathRoot=\'"stylex"\n
        store={store}>\n        value={value}>\n    />\n    ))}\n </div>\n );\n\n";\n\n"/**\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport * as React from 'react';\nimport
{OptionsContext} from '../context';\nimport EditableValue from './EditableValue';\nimport Store from
'../store';\nimport {ElementTypeSuspense} from 'react-devtools-shared/src/types';\nimport styles from
'./InspectedElementSharedStyles.css';\n\nimport type {InspectedElement} from './types';\nimport type
{FrontendBridge} from 'react-devtools-shared/src/bridge';\n\ntype Props = {\n  bridge: FrontendBridge,\n
inspectedElement: InspectedElement,\n  store: Store,\n};\n\nexport default function
InspectedElementSuspenseToggle({\n  bridge,\n  inspectedElement,\n  store,\n}: Props): React.Node {\n  const
{readOnly} = React.useContext(OptionsContext);\n\n  const {id, state, type} = inspectedElement;\n  const
canToggleSuspense = !readOnly && inspectedElement.canToggleSuspense;\n\n  if (type !==
ElementTypeSuspense) {\n    return null;\n  }\n\n  const isSuspended = state !== null;\n\n  const toggleSuspense =
(path: any, value: boolean) => {\n    const rendererID = store.getRendererIDForElement(id);\n    if (rendererID !==
null) {\n      bridge.send('overrideSuspense', {\n        id,\n        rendererID,\n        forceFallback: value,\n      });\n
    }\n\n    return (\n      <div className={styles.InspectedElementTree}>\n        <div
className={styles.HeaderRow}>\n          <div className={styles.Header}>suspense</div>\n          </div>\n          <div
className={styles.ToggleSuspenseRow}>\n            <span className={styles.Name}>Suspended</span>\n
            {canToggleSuspense ? (\n              // key is required to keep <EditableValue> and header row toggle button in sync\n
              <EditableValue\n                key={isSuspended}>\n                overrideValue={toggleSuspense}>\n
              path={['suspense', 'Suspended']}>\n                value={isSuspended}>\n              />\n            ) : (\n              <span
className={styles.Value}>{isSuspended ? 'true' : 'false'}</span>\n            )}\n          </div>\n        </div>\n      );\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport type {ReactContext}
from 'shared/ReactTypes';\n\nimport * as React from 'react';\nimport {\n  createContext,\n  useCallback,\n
  useContext,\n  useEffect,\n  useMemo,\n  useState,\n} from 'react';\nimport {unstable_batchedUpdates as
batchedUpdates} from 'react-dom';\nimport {createResource} from 'react-devtools-
shared/src/devtools/cache';\nimport {\n  BridgeContext,\n  StoreContext,\n} from 'react-devtools-
shared/src/devtools/views/context';\nimport {TreeStateContext} from '../TreeContext';\nimport type
{StateContext} from '../TreeContext';\nimport type {FrontendBridge} from 'react-devtools-
shared/src/bridge';\nimport type Store from 'react-devtools-shared/src/devtools/store';\nimport type
{StyleAndLayout as StyleAndLayoutBackend} from 'react-devtools-
shared/src/backend/NativeStyleEditor/types';\nimport type {StyleAndLayout as StyleAndLayoutFrontend} from
'./types';\nimport type {Element} from 'react-devtools-shared/src/devtools/views/Components/types';\nimport type
{\n  Resource,\n  Thenable,\n} from 'react-devtools-shared/src/devtools/cache';\n\nexport type GetStyleAndLayout =
(id: number) => StyleAndLayoutFrontend | null;\n\ntype Context = {\n  getStyleAndLayout:\n  GetStyleAndLayout,\n};\n\nconst NativeStyleContext: ReactContext<Context> = createContext<Context>(\n
  ((null: any): Context),\n);\n\nNativeStyleContext.displayName = 'NativeStyleContext';\n\ntype ResolveFn =
(styleAndLayout: StyleAndLayoutFrontend) => void;\n\ntype InProgressRequest = {\n  promise:\n  Thenable<StyleAndLayoutFrontend>,\n  resolveFn: ResolveFn,\n};\n\nconst inProgressRequests:\n  WeakMap<Element, InProgressRequest> = new WeakMap();\n\nconst resource: Resource<Element, Element,\n  StyleAndLayoutFrontend> =\n  createResource(\n    (element: Element) => {\n      const request =
inProgressRequests.get(element);\n      if (request !== null) {\n        return request.promise;\n      }\n\n      let

```

```

resolveFn:\n    | ResolveFn\n    | ((\n        result: Promise<StyleAndLayoutFrontend> |
StyleAndLayoutFrontend,\n        ) => void) = ((null: any): ResolveFn);\n    const promise = new Promise(resolve
=> {\n        resolveFn = resolve;\n        });\n\n    inProgressRequests.set(element, ({promise, resolveFn}:
$FlowFixMe));\n\n    return (promise: $FlowFixMe);\n  },\n  (element: Element) => element,\n  {useWeakMap: true},\n  );\n\n  type Props = {\n    children: React$Node,\n  };\n\n  function
NativeStyleContextController({children}: Props): React.Node {\n    const bridge =
useContext<FrontendBridge>(BridgeContext);\n    const store = useContext<Store>(StoreContext);\n\n    const
getStyleAndLayout = useCallback<GetStyleAndLayout>(\n      (id: number) => {\n        const element =
store.getElementByID(id);\n        if (element !== null) {\n          return resource.read(element);\n        } else {\n
return null;\n        }\n      },\n      [store],\n    );\n\n    // It's very important that this context consumes selectedElementID
and not NativeStyleID.\n    // Otherwise the effect that sends the "inspect" message across the bridge-\n    // would
itself be blocked by the same render that suspends (waiting for the data).\n    const {selectedElementID} =
useContext<StateContext>(TreeStateContext);\n\n    const [currentStyleAndLayout, setCurrentStyleAndLayout] =\n    useState<StyleAndLayoutFrontend | null>(null);\n\n    // This effect handler invalidates the suspense cache and
schedules rendering updates with React.\n    useEffect(() => {\n      const onStyleAndLayout = ({id, layout, style}:
StyleAndLayoutBackend) => {\n        const element = store.getElementByID(id);\n        if (element !== null) {\n
const styleAndLayout: StyleAndLayoutFrontend = {\n          layout,\n          style,\n        };\n        const request =
inProgressRequests.get(element);\n        if (request !== null) {\n          inProgressRequests.delete(element);\n
batchedUpdates(() => {\n            request.resolveFn(styleAndLayout);\n
setCurrentStyleAndLayout(styleAndLayout);\n          });\n        } else {\n          resource.write(element,
styleAndLayout);\n\n          // Schedule update with React if the currently-selected element has been invalidated.\n
          if (id === selectedElementID) {\n            setCurrentStyleAndLayout(styleAndLayout);\n          }\n        }\n
      };\n\n      bridge.addListener('NativeStyleEditor_styleAndLayout', onStyleAndLayout);\n      return () =>\n      bridge.removeListener(\n        'NativeStyleEditor_styleAndLayout',\n        onStyleAndLayout,\n      );\n    }, [bridge,
currentStyleAndLayout, selectedElementID, store]);\n\n    // This effect handler polls for updates on the currently
selected element.\n    useEffect(() => {\n      if (selectedElementID === null) {\n        return () => {};\n      }\n\n      const
rendererID = store.getRendererIDForElement(selectedElementID);\n\n      let timeoutID: TimeoutID | null = null;\n\n      const
sendRequest = () => {\n        timeoutID = null;\n\n        if (rendererID !== null) {\n          bridge.send('NativeStyleEditor_measure', {\n            id: selectedElementID,\n            rendererID,\n          });\n        }\n
      };\n\n      // Send the initial measurement request.\n      // We'll poll for an update in the response handler below.\n
      sendRequest();\n\n      const onStyleAndLayout = ({id}: StyleAndLayoutBackend) => {\n        // If this is the element
we requested, wait a little bit and then ask for another update.\n        if (id === selectedElementID) {\n          if
(timeoutID !== null) {\n            clearTimeout(timeoutID);\n          }\n          timeoutID = setTimeout(sendRequest,
1000);\n        }\n      };\n\n      bridge.addListener('NativeStyleEditor_styleAndLayout', onStyleAndLayout);\n\n      return
() => {\n        bridge.removeListener(\n          'NativeStyleEditor_styleAndLayout',\n          onStyleAndLayout,\n
        );\n\n        if (timeoutID !== null) {\n          clearTimeout(timeoutID);\n        }\n      }, [bridge, selectedElementID,
store]);\n\n      const value = useMemo(\n        () => ({getStyleAndLayout}),\n        // NativeStyle is used to invalidate the
cache and schedule an update with React.\n        [currentStyleAndLayout, getStyleAndLayout],\n      );\n\n      return (\n
<NativeStyleContext.Provider value={value}>\n        {children}\n      </NativeStyleContext.Provider>\n
    );\n  }\n\n  export {NativeStyleContext, NativeStyleContextController};\n  /**\n   * Copyright (c) Meta Platforms, Inc.
and affiliates.\n   * This source code is licensed under the MIT license found in the\n   * LICENSE file in the root
directory of this source tree.\n   * @flow\n   */\n\n  import * as React from 'react';\n  import styles from
'./LayoutViewer.css';\n  import type {Layout} from './types';\n\n  type Props = {\n    id: number,\n    layout:
Layout,\n  };\n\n  export default function LayoutViewer({id, layout}: Props): React.Node {\n    const {height, margin,
padding, y, width, x} = layout;\n\n    return (\n      <div className={styles.LayoutViewer}>\n        <div
className={styles.Header}>layout</div>\n        <div className={styles.DashedBox}>\n          <div
className={styles.LabelRow}>\n            <label className={styles.Label}>margin</label>\n            <label>{margin.top || '-'}</label>\n          </div>\n        <div className={styles.BoxRow}>\n

```



```

<label>{margin.left || '-'}</label>\n\n    <div className={styles.SolidBox}>\n        <div
className={styles.LabelRow}>\n            <label className={styles.Label}>padding</label>\n\n        </div>\n        <div className={styles.BoxRow}>\n            <label>{padding.top || '-'}</label>\n            <div className={styles.DashedBox}>\n                <div
className={styles.LabelRow}>\n                    {format(width)} x {format(height)} ({format(x)}, {format(y)})\n                </div>\n            </div>\n            <label>{padding.right || '-'}</label>\n        </div>\n        <label>{padding.bottom || '-'}</label>\n        <div>\n            <label>{margin.right || '-'}</label>\n        </div>\n        <label>{margin.bottom || '-'}</label>\n    </div>\n\n);\n\nfunction format(number: number): string |
number {\n  if (Math.round(number) === number) {\n    return number;\n  } else {\n    return number.toFixed(1);\n  }\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\nimport *
as React from 'react';\nimport {useContext, useMemo, useRef, useState} from 'react';\nimport
{unstable_batchedUpdates as batchedUpdates} from 'react-dom';\nimport {copy} from 'clipboard-js';\nimport {\n  BridgeContext,\n  StoreContext,\n} from 'react-devtools-shared/src/devtools/views/context';\nimport Button from
'././Button';\nimport ButtonIcon from '././ButtonIcon';\nimport {serializeDataForCopy} from '././utils';\nimport
AutoSizeInput from '././AutoSizeInput';\nimport styles from '././StyleEditor.css';\nimport {sanitizeForParse} from
'./././utils';\nimport type {Style} from './types';\n\ntype Props = {\n  id: number,\n  style: Style,\n};\n\ntype
ChangeAttributeFn = (oldName: string, newName: string, value: any) => void;\n\ntype ChangeValueFn = (name:
string, value: any) => void;\n\nexport default function StyleEditor({id, style}: Props): React.Node {\n  const bridge
= useContext(BridgeContext);\n  const store = useContext(StoreContext);\n\n  const changeAttribute = (oldName:
string, newName: string, value: any) => {\n    const rendererID = store.getRendererIDForElement(id);\n    if
(rendererID !== null) {\n      bridge.send('NativeStyleEditor_renameAttribute', {\n        id,\n        rendererID,\n        oldName,\n        newName,\n        value,\n      });\n    }\n  }; \n\n  const changeValue = (name: string, value: any) =>
{\n    const rendererID = store.getRendererIDForElement(id);\n    if (rendererID !== null) {\n      bridge.send('NativeStyleEditor_setValue', {\n        id,\n        rendererID,\n        name,\n        value,\n      });\n    }\n  }; \n\n  const keys = useMemo(() => Array.from(Object.keys(style)), [style]);\n\n  const handleCopy = () =>
copy(serializeDataForCopy(style));\n\n  return (\n    <div className={styles.StyleEditor}>\n      <div
className={styles.HeaderRow}>\n        <div className={styles.Header}>\n          <div
className={styles.Brackets}>{'style {'}</div>\n          </div>\n          <Button onClick={handleCopy} title="Copy to
clipboard">\n            <ButtonIcon type="copy" />\n          </Button>\n          </div>\n          {keys.length > 0 &&\n
keys.map(attribute => (\n            <Row\n              key={attribute}\n              attribute={attribute}\n
changeAttribute={changeAttribute}\n              changeValue={changeValue}\n
validAttributes={store.nativeStyleEditorValidAttributes}\n              value={style[attribute]}\n            />\n          ))}\n
        </div>\n        <div\n          <NewRow\n            changeAttribute={changeAttribute}\n            changeValue={changeValue}\n
validAttributes={store.nativeStyleEditorValidAttributes}\n          />\n      </div>\n      <div
className={styles.Brackets}>{'}'</div>\n    </div>\n  );\n}\n\n\ntype NewRowProps = {\n  changeAttribute:
ChangeAttributeFn,\n  changeValue: ChangeValueFn,\n  validAttributes: $ReadOnlyArray<string> |
null,\n};\n\nfunction NewRow({changeAttribute, changeValue, validAttributes}: NewRowProps) {\n  const [key,
setKey] = useState<number>(0);\n  const reset = () => setKey(key + 1);\n\n  const newAttributeRef =
useRef<string>("");\n\n  const changeAttributeWrapper = (\n    oldAttribute: string,\n    newAttribute: string,\n    value: any,\n  ) => {\n    // Ignore attribute changes until a value has been specified\n    newAttributeRef.current =
newAttribute;\n  }; \n\n  const changeValueWrapper = (attribute: string, value: any) => {\n    // Blur events should
reset/cancel if there's no value or no attribute\n    if (newAttributeRef.current !== "") {\n      if (value !== "") {\n        changeValue(newAttributeRef.current, value);\n      }\n      reset();\n    }\n  }; \n\n  return (\n    <Row\n      key={key}\n      attribute=""\n      attributePlaceholder="attribute"\n
changeAttribute={changeAttributeWrapper}\n      changeValue={changeValueWrapper}\n
validAttributes={validAttributes}\n      value=""\n      valuePlaceholder="value"\n    />\n  );\n}\n\n\ntype RowProps
= {\n  attribute: string,\n  attributePlaceholder?: string,\n  changeAttribute: ChangeAttributeFn,\n  changeValue:

```



```

useContext(TreeStateContext);\n if (inspectedElementID === null) {\n   return null;\n }\n\n const\n maybeStyleAndLayout = getStyleAndLayout(inspectedElementID);\n if (maybeStyleAndLayout === null) {\n   return null;\n }\n\n const {layout, style} = maybeStyleAndLayout;\n\n return (\n   <Fragment>\n     {layout !==\n     null && (\n       <LayoutViewer id={inspectedElementID} layout={layout} />\n     )}\n     {style !== null && (\n       <StyleEditor\n         id={inspectedElementID}\n         style={style !== null ? style : {}}\n       />\n     )}\n   </Fragment>\n );\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is\n licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport {copy} from 'clipboard-js';\nimport * as React from 'react';\nimport {Fragment, useCallback,\n useContext} from 'react';\nimport {TreeDispatcherContext} from './TreeContext';\nimport {BridgeContext,\n ContextMenuContext, StoreContext} from './context';\nimport ContextMenu from\n '././ContextMenu/ContextMenu';\nimport ContextMenuItem from '././ContextMenu/ContextMenuItem';\nimport\n Button from './Button';\nimport ButtonIcon from './ButtonIcon';\nimport Icon from './Icon';\nimport HocBadges\n from './HocBadges';\nimport InspectedElementContextTree from './InspectedElementContextTree';\nimport\n InspectedElementErrorsAndWarningsTree from './InspectedElementErrorsAndWarningsTree';\nimport\n InspectedElementHooksTree from './InspectedElementHooksTree';\nimport InspectedElementPropsTree from\n './InspectedElementPropsTree';\nimport InspectedElementStateTree from './InspectedElementStateTree';\nimport\n InspectedElementStyleXPlugin from './InspectedElementStyleXPlugin';\nimport InspectedElementSuspenseToggle\n from './InspectedElementSuspenseToggle';\nimport NativeStyleEditor from './NativeStyleEditor';\nimport Badge\n from './Badge';\nimport {useHighlightNativeElement} from './hooks';\nimport {\n   copyInspectedElementPath as\n   copyInspectedElementPathAPI,\n   storeAsGlobal as storeAsGlobalAPI,\n } from 'react-devtools-\n shared/src/backendAPI';\nimport {enableStyleXFeatures} from 'react-devtools-feature-flags';\nimport {logEvent}\n from 'react-devtools-shared/src/Logger';\n\nimport styles from './InspectedElementView.css';\n\nimport type\n {ContextMenuContextType} from './context';\nimport type {Element, InspectedElement, SerializedElement} from\n './types';\nimport type {ElementType, HookNames} from 'react-devtools-shared/src/types';\nimport type\n {ToggleParseHookNames} from './InspectedElementContext';\n\nexport type CopyPath = (path: Array<string | \n number>) => void;\nexport type InspectPath = (path: Array<string | \n number>) => void;\n\ntype Props = {\n   element: Element,\n   hookNames: HookNames | null,\n   inspectedElement: InspectedElement,\n   parseHookNames:\n   boolean,\n   toggleParseHookNames: ToggleParseHookNames,\n};\n\nexport default function\n InspectedElementView({\n   element,\n   hookNames,\n   inspectedElement,\n   parseHookNames,\n   toggleParseHookNames,\n}: Props): React.Node {\n   const {id} = element;\n   const {owners,\n   rendererPackageName, rendererVersion, rootType, source} =\n   inspectedElement;\n\n   const bridge =\n   useContext(BridgeContext);\n   const store =\n   useContext(StoreContext);\n\n   const {\n   isEnabledForInspectedElement: isContextMenuEnabledForInspectedElement,\n   viewAttributeSourceFunction,\n } =\n   useContext<ContextMenuContextType>(ContextMenuContext);\n\n   const rendererLabel =\n   rendererPackageName !== null && rendererVersion !== null\n     ?\n     `${rendererPackageName}@${rendererVersion}`\n     : null;\n\n   const showOwnersList =\n   owners !== null &&\n   owners.length > 0;\n\n   const showRenderedBy =\n   showOwnersList ||\n   rendererLabel !== null ||\n   rootType !==\n   null;\n\n   return (\n     <Fragment>\n       <div className={styles.InspectedElement}>\n         <HocBadges\n           element={element} />\n\n         <InspectedElementPropsTree\n           bridge={bridge}\n           element={element}\n           inspectedElement={inspectedElement}\n           store={store}\n         />\n\n         <InspectedElementSuspenseToggle\n           bridge={bridge}\n           inspectedElement={inspectedElement}\n           store={store}\n         />\n\n         <InspectedElementStateTree\n           bridge={bridge}\n           element={element}\n           inspectedElement={inspectedElement}\n           store={store}\n         />\n\n         <InspectedElementHooksTree\n           bridge={bridge}\n           element={element}\n           hookNames={hookNames}\n           inspectedElement={inspectedElement}\n           parseHookNames={parseHookNames}\n           store={store}\n           toggleParseHookNames={toggleParseHookNames}\n         />\n\n         <InspectedElementContextTree\n           bridge={bridge}\n           element={element}\n           inspectedElement={inspectedElement}\n           store={store}\n         />\n\n         {enableStyleXFeatures && (\n           <InspectedElementStyleXPlugin\n             bridge={bridge}\n

```

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element={element}\n      inspectedElement={inspectedElement}\n      store={store}\n    />\n  )}\n\n  <InspectedElementErrorsAndWarningsTree\n    bridge={bridge}\n    element={element}\n    inspectedElement={inspectedElement}\n    store={store}\n  />\n  <NativeStyleEditor />\n  {\n    showRenderedBy && (\n      <div\n        className={styles.Owners}\n        data-testname=\"InspectedElementView-Owners\">\n          <div className={styles.OwnersHeader}>rendered by</div>\n          {\n            showOwnersList && (\n              ((owners: any): Array<SerializedElement>).map(owner => (\n                <OwnerView\n                  key={owner.id}\n                  displayName={owner.displayName || 'Anonymous'}\n                  hocDisplayNames={owner.hocDisplayNames}\n                  id={owner.id}\n                  isInStore={store.containsElement(owner.id)}\n                  type={owner.type}\n                />\n              ))\n            }\n            {\n              rootType !== null && (\n                <div className={styles.OwnersMetaField}>{rootType}</div>\n              )\n            }\n            {\n              rendererLabel !== null && (\n                <div className={styles.OwnersMetaField}>{rendererLabel}</div>\n              )\n            }\n            {\n              source !== null && (\n                <Source fileName={source.fileName}\n                  lineNumber={source.lineNumber}\n                />\n              )\n            }\n            {\n              isContextMenuEnabledForInspectedElement && (\n                <ContextMenu id=\"InspectedElement\">\n                  {\n                    ({\n                      path, type: pathType\n                    }) => {\n                      const copyInspectedElementPath = () => {\n                        const rendererID = store.getRendererIDForElement(id);\n                        if (rendererID !== null) {\n                          copyInspectedElementPathAPI(\n                            bridge,\n                            id,\n                            path,\n                            rendererID,\n                          );\n                        }\n                      }\n                      const storeAsGlobal = () => {\n                        const rendererID = store.getRendererIDForElement(id);\n                        if (rendererID !== null) {\n                          storeAsGlobalAPI(\n                            bridge,\n                            id,\n                            path,\n                            rendererID,\n                          );\n                        }\n                      }\n                      return (\n                        <Fragment>\n                          <ContextMenuIcon\n                            onClick={copyInspectedElementPath}\n                            title=\"Copy value to clipboard\">\n                            <Icon\n                              className={styles.ContextMenuIcon} type=\"copy\" />\n                            Copy\n                              value to clipboard\n                            </ContextMenuIcon>\n                          <ContextMenuIcon\n                            onClick={storeAsGlobal}\n                            title=\"Store as global variable\">\n                            <Icon\n                              className={styles.ContextMenuIcon}\n                              type=\"store-as-global-variable\" />\n                            Store as global variable\n                            </ContextMenuIcon>\n                          {\n                            viewAttributeSourceFunction !== null && (\n                              pathType === 'function' && (\n                                <ContextMenuIcon\n                                  onClick={\n                                    () => viewAttributeSourceFunction(id, path)\n                                  }\n                                  title=\"Go to definition\">\n                                    <Icon\n                                      className={styles.ContextMenuIcon} type=\"code\" />\n                                    Go\n                                      to definition\n                                    </ContextMenuIcon>\n                                  )\n                                </Fragment>\n                              )\n                            }\n                          </ContextMenu>\n                        )\n                      )\n                    }\n                  </Fragment>\n                )\n              }\n            }\n          </div>\n        </div>\n      );\n    }\n  }\n  // This function is based on describeComponentFrame() in packages/shared/ReactComponentStackFrame\n  function\n  formatSourceForDisplay(fileName: string, lineNumber: string) {\n    const BEFORE_SLASH_RE =\n    /^(.*)[\\|\\\\\\\\|/];\n    let nameOnly = fileName.replace(BEFORE_SLASH_RE, \"\");\n    // In DEV, include code for a common special case:\n    // prefer \"folder/index.js\" instead of just \"index.js\".\n    if (/^index\\.\\.\\.test(nameOnly)) {\n      const match = fileName.match(BEFORE_SLASH_RE);\n      if (match) {\n        const pathBeforeSlash = match[1];\n        if (pathBeforeSlash) {\n          const folderName = pathBeforeSlash.replace(BEFORE_SLASH_RE, \"\");\n          nameOnly = folderName + '/' + nameOnly;\n        }\n      }\n    }\n    return `${nameOnly}:${lineNumber}`;\n  }\n  type\n  SourceProps = {\n    fileName: string,\n    lineNumber: string;\n  };\n  function\n  Source({\n    fileName, lineNumber\n  }):\n  SourceProps) {\n    const handleCopy = () => copy(`${fileName}:${lineNumber}`);\n    return (\n      <div\n        className={styles.Source}\n        data-testname=\"InspectedElementView-Source\">\n          <div\n            className={styles.SourceHeaderRow}>\n              <div\n                className={styles.SourceHeader}>source</div>\n              <Button\n                onClick={handleCopy}\n                title=\"Copy to clipboard\">\n                <ButtonIcon\n                  type=\"copy\" />\n                </Button>\n              </div>\n            <div\n              className={styles.SourceOneLiner}>\n                {formatSourceForDisplay(fileName, lineNumber)}\n              </div>\n            </div>\n          );\n        </div>\n      );\n    }\n  }\n  type\n  OwnerViewProps = {\n    displayName: string,\n    hocDisplayNames: Array<string> | null,\n    id: number,\n    isInStore: boolean,\n    type: ElementType;\n  };\n  function\n  OwnerView({\n    displayName, hocDisplayNames, id, isInStore, type\n  }):\n  OwnerViewProps) {\n    const\n    dispatch = useContext(TreeDispatcherContext);\n    const\n    {highlightNativeElement, clearHighlightNativeElement} =\n    useHighlightNativeElement();\n    const\n    handleClick = useCallback(() => {\n      logEvent({\n        event_name:
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'select-element',\n  metadata: { source: 'owner-view'},\n  });\n  dispatch({\n    type:
'SELECT_ELEMENT_BY_ID',\n    payload: id,\n  });\n  }, [dispatch, id]);\n\n  const onMouseEnter = () =>
highlightNativeElement(id);\n\n  const onMouseLeave = clearHighlightNativeElement;\n\n  return (\n    <Button\n      key={id}\n      className={styles.OwnerButton}\n      disabled={!isInStore}\n      onClick={handleClick}\n      onMouseEnter={onMouseEnter}\n      onMouseLeave={onMouseLeave}>\n      <span
className={styles.OwnerContent}>\n        <span\n          className={` ${styles.Owner} ${isInStore ? " :
styles.NotInStore}` }\n          title={displayName}>\n            {displayName}\n          </span>\n          <Badge
hocDisplayNames={hocDisplayNames} type={type} />\n        </span>\n      </Button>\n    );\n  )\n\n  /**\n * Copyright
(c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n * @flow\n */\n\n  @flow\n  * /n\n  import * as React from 'react';\n  import {
useCallback, useContext, useSyncExternalStore } from 'react';\n  import { TreeDispatcherContext, TreeStateContext }
from './TreeContext';\n  import { BridgeContext, StoreContext, OptionsContext } from './context';\n  import Button
from './Button';\n  import ButtonIcon from './ButtonIcon';\n  import Icon from './Icon';\n  import {
ModalDialogContext } from './ModalDialog';\n  import ViewElementSourceContext from
'./ViewElementSourceContext';\n  import Toggle from './Toggle';\n  import { ElementTypeSuspense } from 'react-
devtools-shared/src/types';\n  import CannotSuspendWarningMessage from
'./CannotSuspendWarningMessage';\n  import InspectedElementView from './InspectedElementView';\n  import
{ InspectedElementContext } from './InspectedElementContext';\n  import { getOpenInEditorURL } from
'../utils';\n  import { LOCAL_STORAGE_OPEN_IN_EDITOR_URL } from '../constants';\n  import styles
from './InspectedElement.css';\n  import type { InspectedElement } from './types';\n  next\n  export type Props = {};\n  n\n  //
TODO Make edits and deletes also use transition API!\n  next\n  export default function InspectedElementWrapper(_:
Props): React.Node {\n    const { inspectedElementID } = useContext(TreeStateContext);\n    const dispatch =
useContext(TreeDispatcherContext);\n    const { canViewElementSourceFunction, viewElementSourceFunction } =
useContext(\n      ViewElementSourceContext,\n    );\n    const bridge = useContext(BridgeContext);\n    const store =
useContext(StoreContext);\n    const {\n      hideToggleErrorAction,\n      hideToggleSuspenseAction,\n      hideLogAction,\n      hideViewSourceAction,\n    } = useContext(OptionsContext);\n    const { dispatch:
modalDialogDispatch } = useContext(ModalDialogContext);\n\n    const { hookNames, inspectedElement,
parseHookNames, toggleParseHookNames } =\n      useContext(InspectedElementContext);\n\n    const element =\n      inspectedElementID !== null\n        ? store.getElementByID(inspectedElementID)\n        : null;\n\n    const
highlightElement = useCallback(() => {\n      if (element !== null && inspectedElementID !== null) {\n        const
renderedID = store.getRenderedIDForElement(inspectedElementID);\n        if (renderedID !== null) {\n          bridge.send('highlightNativeElement', {\n            displayName: element.displayName,\n            hideAfterTimeout:
true,\n            id: inspectedElementID,\n            openNativeElementsPanel: true,\n            renderedID,\n            scrollIntoView: true,\n          });\n        }\n      }\n    }, [bridge, element, inspectedElementID, store]);\n\n    const
logElement = useCallback(() => {\n      if (inspectedElementID !== null) {\n        const renderedID =
store.getRenderedIDForElement(inspectedElementID);\n        if (renderedID !== null) {\n          bridge.send('logElementToConsole', {\n            id: inspectedElementID,\n            renderedID,\n          });\n        }\n      }\n    }, [bridge, inspectedElementID, store]);\n\n    const viewSource = useCallback(() => {\n      if
(viewElementSourceFunction != null && inspectedElement != null) {\n        viewElementSourceFunction(\n          inspectedElement.id,\n          ((inspectedElement: any): InspectedElement),\n        );\n      }\n    }, [inspectedElement,
viewElementSourceFunction]);\n\n    // In some cases (e.g. FB internal usage) the standalone shell might not be able
to view the source.\n    // To detect this case, we defer to an injected helper function (if present).\n    const
canViewSource =\n      inspectedElement != null &&\n      inspectedElement.canViewSource &&\n      viewElementSourceFunction != null &&\n      (canViewElementSourceFunction === null ||\n        canViewElementSourceFunction(inspectedElement));\n\n    const isErrored = inspectedElement != null &&
inspectedElement.isErrored;\n    const targetErrorBoundaryID =\n      inspectedElement != null ?
inspectedElement.targetErrorBoundaryID : null;\n\n    const isSuspended =\n      element != null &&\n      element.type
=== ElementTypeSuspense &&\n      inspectedElement != null &&\n      inspectedElement.state != null;\n\n    const

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canToggleError =\n  !hideToggleErrorAction &&\n  inspectedElement != null &&\n
inspectedElement.canToggleError;\n\n const canToggleSuspense =\n  !hideToggleSuspenseAction &&\n
inspectedElement != null &&\n  inspectedElement.canToggleSuspense;\n\n const editorURL =
useSyncExternalStore(\n  function subscribe(callback) {\n
window.addListener(LocalStorage.OpenInEditorURL, callback);\n  return function
unsubscribe() {\n    window.removeListener(LocalStorage.OpenInEditorURL, callback);\n
  };\n },\n function getState() {\n  return getOpenInEditorURL();\n },\n );\n\n const canOpenInEditor =\neditorURL && inspectedElement != null && inspectedElement.source != null;\n\n const toggleErrored =
useCallback(() => {\n  if (inspectedElement == null || targetErrorBoundaryID == null) {\n    return;\n  }\n\n
const rendererID = store.getRendererIDForElement(targetErrorBoundaryID);\n  if (rendererID !== null) {\n    if
(targetErrorBoundaryID !== inspectedElement.id) {\n      // Update tree selection so that if we cause a component
to error,\n      // the nearest error boundary will become the newly selected thing.\n      dispatch({\n        type:
'SELECT_ELEMENT_BY_ID',\n        payload: targetErrorBoundaryID,\n      });\n    }\n    // Toggle error.\n
bridge.send('overrideError', {\n      id: targetErrorBoundaryID,\n      rendererID,\n      forceError: !isErrored,\n
});\n  }\n }, [bridge, dispatch, isErrored, targetErrorBoundaryID]);\n\n // TODO (suspense toggle) Would be nice
to eventually use a two setState pattern here as well.\n  const toggleSuspended = useCallback(() => {\n    let
nearestSuspenseElement = null;\n    let currentElement = element;\n    while (currentElement !== null) {\n      if
(currentElement.type === ElementTypeSuspense) {\n        nearestSuspenseElement = currentElement;\n        break;\n      }
else if (currentElement.parentID > 0) {\n        currentElement =
store.getElementByID(currentElement.parentID);\n      } else {\n        currentElement = null;\n      }\n    }\n\n // If
we didn't find a Suspense ancestor, we can't suspend.\n    // Instead we can show a warning to the user.\n    if
(nearestSuspenseElement === null) {\n      modalDialogDispatch({\n        id: 'InspectedElement',\n        type:
'SHOW',\n        content: <CannotSuspendWarningMessage />,\n      });\n    } else {\n      const
nearestSuspenseElementID = nearestSuspenseElement.id;\n\n      // If we're suspending from an arbitrary (non-
Suspense) component, select the nearest Suspense element in the Tree.\n      // This way when the fallback UI is
shown and the current element is hidden, something meaningful is selected.\n      if (nearestSuspenseElement !==
element) {\n        dispatch({\n          type: 'SELECT_ELEMENT_BY_ID',\n          payload:
nearestSuspenseElementID,\n        });\n      }\n\n      const rendererID = store.getRendererIDForElement(\n
nearestSuspenseElementID,\n      );\n\n      // Toggle suspended\n      if (rendererID !== null) {\n
bridge.send('overrideSuspense', {\n        id: nearestSuspenseElementID,\n        rendererID,\n        forceFallback:
!isSuspended,\n      });\n    }\n  }\n }, [bridge, dispatch, element, isSuspended, modalDialogDispatch,
store]);\n\n const onOpenInEditor = useCallback(() => {\n  const source = inspectedElement?.source;\n  if
(source == null || editorURL == null) {\n    return;\n  }\n\n  const url = new URL(editorURL);\n  url.href =
url.href.replace('{path}', source.fileName);\n  url.href = url.href.replace('{line}', String(source.lineNumber));\n
window.open(url);\n }, [inspectedElement, editorURL]);\n\n if (element === null) {\n  return (\n    <div
className={styles.InspectedElement}>\n      <div className={styles.TitleRow} />\n    </div>\n  );\n }\n\n let
strictModeBadge = null;\n  if (element.isStrictModeNonCompliant) {\n    strictModeBadge = (\n      <a\n
className={styles.StrictModeNonCompliant}\n        href="https://fb.me/devtools-strict-mode"\n        rel="noopener
nofollow"\n        target="_blank"\n        title="This component is not running in StrictMode.
Click to learn more.">\n      <Icon type="strict-mode-non-compliant" />\n      </a>\n    );\n  }\n\n return (\n
<div className={styles.InspectedElement}>\n    <div className={styles.TitleRow} data-
testname="InspectedElement-Title">\n      {strictModeBadge}\n    </div>\n    {element.key && (\n      <div
className={styles.Key} title={`key "${element.key}"`}>\n        {element.key}\n      </div>\n      <div
className={styles.KeyArrow} />\n    )}\n    <div
className={styles.SelectedComponentName}>\n      <div\n        className={\n
element.isStrictModeNonCompliant\n          ? styles.StrictModeNonCompliantComponent\n          :
styles.Component\n        }\n        title={element.displayName}>\n        {element.displayName}\n      </div>\n    </div>\n    {canOpenInEditor && (\n      <Button\n
className={styles.IconButton}\n

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    onClick={onOpenInEditor}\n        title="Open in editor">\n        <ButtonIcon type="editor" />\n
</Button>\n    )}\n    {canToggleError && (\n        <Toggle\n            className={styles.IconButton}\n
isChecked={isErrored}\n        onChange={toggleErrored}\n        title={\n            isErrored\n                ? 'Clear\n                the forced error'\n                : 'Force the selected component into an errored state'\n        }>\n        <ButtonIcon\n            type="error" />\n        </Toggle>\n    )}\n    {canToggleSuspense && (\n        <Toggle\n            className={styles.IconButton}\n
isChecked={isSuspended}\n        onChange={toggleSuspended}\n        title={\n            isSuspended\n                ? 'Unsuspend the selected component'\n                : 'Suspend the selected\n                component'\n        }>\n        <ButtonIcon type="suspend" />\n        </Toggle>\n    )}\n
{store.supportsNativeInspection && (\n        <Button\n            className={styles.IconButton}\n
onClick={highlightElement}\n        title="Inspect the matching DOM element">\n        <ButtonIcon\n            type="view-dom" />\n        </Button>\n    )}\n    {!hideLogAction && (\n        <Button\n            className={styles.IconButton}\n
onClick={logElement}\n        title="Log this component data to the\n        console">\n        <ButtonIcon type="log-data" />\n        </Button>\n    )}\n    {!hideViewSourceAction\n    && (\n        <Button\n            className={styles.IconButton}\n
disabled={!canViewSource}\n
onClick={viewSource}\n        title="View source for this element">\n        <ButtonIcon type="view-source"\n        />\n        </Button>\n    )}\n </div>\n\n {inspectedElement === null && (\n        <div\n            className={styles.Loading}>Loading...</div>\n    )}\n\n {inspectedElement !== null && (\n
<InspectedElementView\n        key={\n            inspectedElementID /* Force reset when selected Element changes\n            */\n        }\n        element={element}\n        hookNames={hookNames}\n
inspectedElement={inspectedElement}\n        parseHookNames={parseHookNames}\n
toggleParseHookNames={toggleParseHookNames}\n    />\n    )}\n </div>\n );\n\n", /***\n * Copyright (c)\n * Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n * import * as React from 'react';\nimport\n {Fragment, useCallback} from 'react';\nimport Icon from './Icon';\n\nimport styles from './TabBar.css';\nimport\n Tooltip from './Components/reach-ui/tooltip';\nimport type {IconType} from './Icon';\n\nexport type TabInfo = {\n    icon:\n    IconType,\n    id: string,\n    label: string,\n    title?: string,\n};\n\nexport type Props = {\n    currentTab: any,\n    disabled?:\n    boolean,\n    id: string,\n    selectTab: (tabID: any) => void,\n    tabs: Array<TabInfo | null>,\n    type: 'navigation' | 'profiler' | 'settings',\n};\n\nexport default function TabBar({\n    currentTab,\n    disabled = false,\n    id: groupName,\n    selectTab,\n    tabs,\n    type,\n}: Props): React.Node {\n    if (!tabs.some(tab => tab !== null && tab.id ===\n    currentTab)) {\n        const firstTab = ((tabs.find(tab => tab !== null): any): TabInfo);\n        selectTab(firstTab.id);\n    }\n\n    const onChange = useCallback((\n        {currentTarget}: $FlowFixMe => selectTab(currentTarget.value),\n    [selectTab],\n    );\n\n    const handleKeyDown = useCallback((event: $FlowFixMe) => {\n        switch (event.key) {\n            case 'ArrowDown':\n            case 'ArrowLeft':\n            case 'ArrowRight':\n            case 'ArrowUp':\n                event.stopPropagation();\n                break;\n            default:\n                break;\n        }\n    }, []);\n\n    let iconSizeClassName;\n    let tabLabelClassName;\n    let tabSizeClassName;\n    switch (type) {\n        case 'navigation':\n            iconSizeClassName =\n            styles.IconSizeNavigation;\n            tabLabelClassName = styles.TabLabelNavigation;\n            tabSizeClassName =\n            styles.TabSizeNavigation;\n            break;\n        case 'profiler':\n            iconSizeClassName = styles.IconSizeProfiler;\n            tabLabelClassName = styles.TabLabelProfiler;\n            tabSizeClassName = styles.TabSizeProfiler;\n            break;\n        case 'settings':\n            iconSizeClassName = styles.IconSizeSettings;\n            tabLabelClassName =\n            styles.TabLabelSettings;\n            tabSizeClassName = styles.TabSizeSettings;\n            break;\n        default:\n            throw\n            Error(`Unsupported type "${type}"`);\n    }\n\n    return (\n        <Fragment>\n            {tabs.map(tab => {\n                if (tab ===\n                null) {\n                    return <div key="VRule" className={styles.VRule} />;\n                }\n                const {icon, id, label,\n                title} = tab;\n                let button = (\n                    <label\n                        className={[\n                            tabSizeClassName,\n                            disabled ? styles.TabDisabled : styles.Tab,\n                            !disabled && currentTab === id ? styles.TabCurrent : "",\n                        ].join(' ')}\n                        data-testname={`TabBarButton-${id}`} \n                        key={id}\n                        onKeyDown={handleKeyDown}\n                        onMouseDown={() => selectTab(id)}>\n                        <input\n                            type="radio"\n                            className={styles.Input}\n                            checked={currentTab === id}\n                            disabled={disabled}\n                            name={groupName}\n                            value={id}\n                            onChange={onChange}\n
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/>\n      <Icon\n          className={`${\n              disabled ? styles.IconDisabled : "\n          }\n          `}\n          type={icon}\n      />\n      <span\n          className={tabLabelClassName}>{label}</span>\n          </label>\n          );\n          if (title) {\n              button = (\n                  <Tooltip key={id} label={title}>\n                      {button}\n                  </Tooltip>\n              );\n          }\n          return\n          button;\n      )}\n  </Fragment>\n  );\n  \n  /**\n   * Copyright (c) Meta Platforms, Inc. and affiliates.\n   * This\n   * source code is licensed under the MIT license found in the\n   * LICENSE file in the root directory of this source\n   * tree.\n   * @flow\n   */\n  import * as React from 'react';\n  import {\n    useCallback,\n    useContext,\n    useEffect,\n    useMemo,\n    useRef,\n    useState,\n  } from 'react';\n  import {LOCAL_STORAGE_OPEN_IN_EDITOR_URL} from\n  './../constants';\n  import {useLocalStorage, useSubscription} from './hooks';\n  import {StoreContext} from\n  './context';\n  import Button from './Button';\n  import ButtonIcon from './ButtonIcon';\n  import Toggle from\n  './Toggle';\n  import {SettingsContext} from './Settings/SettingsContext';\n  import {\n    ComponentFilterDisplayName,\n    ComponentFilterElementType,\n    ComponentFilterHOC,\n    ComponentFilterLocation,\n    ElementTypeClass,\n    ElementTypeContext,\n    ElementTypeFunction,\n    ElementTypeForwardRef,\n    ElementTypeHostComponent,\n    ElementTypeMemo,\n    ElementTypeOtherOrUnknown,\n    ElementTypeProfiler,\n    ElementTypeSuspense,\n  } from 'react-devtools-\n  shared/src/types';\n  import {getDefaultOpenInEditorURL} from 'react-devtools-shared/src/utis';\n  import styles\n  from './SettingsShared.css';\n  import type {\n    BooleanComponentFilter,\n    ComponentFilter,\n    ComponentFilterType,\n    ElementType,\n    ElementTypeComponentFilter,\n    RegExpComponentFilter,\n  } from\n  'react-devtools-shared/src/types';\n  \n  export default function ComponentsSettings(_: {}): React.Node {\n    const store\n    = useContext(StoreContext);\n    const {parseHookNames, setParseHookNames} = useContext(SettingsContext);\n    const collapseNodesByDefaultSubscription = useMemo(\n      () => ({\n        getCurrentValue: () =>\n        store.collapseNodesByDefault,\n        subscribe: (callback: Function) => {\n          store.addListener('collapseNodesByDefault', callback);\n          return () =>\n          store.removeListener('collapseNodesByDefault', callback);\n        },\n      }),\n      [store],\n    );\n    const\n    collapseNodesByDefault = useSubscription<boolean>(\n      collapseNodesByDefaultSubscription,\n    );\n    const\n    updateCollapseNodesByDefault = useCallback(\n      ({currentTarget}: $FlowFixMe) => {\n        store.collapseNodesByDefault = !currentTarget.checked;\n      },\n      [store],\n    );\n    const updateParseHookNames\n    = useCallback(\n      ({currentTarget}: $FlowFixMe) => {\n        setParseHookNames(currentTarget.checked);\n      },\n      [setParseHookNames],\n    );\n    const [openInEditorURL, setOpenInEditorURL] = useLocalStorage<string>(\n      LOCAL_STORAGE_OPEN_IN_EDITOR_URL,\n      getDefaultOpenInEditorURL(),\n    );\n    const\n    [componentFilters, setComponentFilters] = useState<\n      Array<ComponentFilter>,\n    >(() =>\n    [...store.componentFilters]);\n    const addFilter = useCallback(() => {\n      setComponentFilters(prevComponentFilters => {\n        return [\n          ...prevComponentFilters,\n          {\n            type:\n            ComponentFilterElementType,\n            value: ElementTypeHostComponent,\n            isEnabled: true,\n          },\n        ];\n      }, []);\n    const changeFilterType = useCallback(\n      (componentFilter: ComponentFilter, type:\n      ComponentFilterType) => {\n        setComponentFilters(prevComponentFilters => {\n          const cloned:\n          Array<ComponentFilter> = [...prevComponentFilters];\n          const index =\n          prevComponentFilters.indexOf(componentFilter);\n          if (index >= 0) {\n            if (type ===\n            ComponentFilterElementType) {\n              cloned[index] = {\n                type: ComponentFilterElementType,\n                isEnabled: componentFilter.isEnabled,\n                value: ElementTypeHostComponent,\n              }; \n            } else if\n            (type === ComponentFilterDisplayName) {\n              cloned[index] = {\n                type:\n                ComponentFilterDisplayName,\n                isEnabled: componentFilter.isEnabled,\n                isValid: true,\n                value: ",\n              }; \n            } else if (type === ComponentFilterLocation) {\n              cloned[index] = {\n                type: ComponentFilterLocation,\n                isEnabled: componentFilter.isEnabled,\n                isValid: true,\n                value: ",\n              }; \n            } else if (type === ComponentFilterHOC) {\n              cloned[index] = {\n                type:\n                ComponentFilterHOC,\n                isEnabled: componentFilter.isEnabled,\n                isValid: true,\n              }; \n            }\n          }\n          return cloned;\n        });\n      },\n      [],\n    );\n    const updateFilterValueElementType = useCallback(\n      (componentFilter: ComponentFilter, value: ElementType) => {\n        if (componentFilter.type !==

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ComponentFilterElementType) {\n    throw Error('Invalid value for element type filter');\n    }\n\n    setComponentFilters(prevComponentFilters => {\n    const cloned: Array<ComponentFilter> =
[...prevComponentFilters];\n    if (componentFilter.type === ComponentFilterElementType) {\n    const index
= prevComponentFilters.indexOf(componentFilter);\n    if (index >= 0) {\n    cloned[index] = {\n
...componentFilter,\n    value,\n    };\n    }\n    return cloned;\n    });\n    },\n    [],\n    );\n\n    const updateFilterValueRegExp = useCallback(\n    (componentFilter: ComponentFilter, value: string) => {\n    if
(componentFilter.type === ComponentFilterElementType) {\n    throw Error('Invalid value for element type
filter');\n    }\n\n    setComponentFilters(prevComponentFilters => {\n    const cloned:
Array<ComponentFilter> = [...prevComponentFilters];\n    if (\n    componentFilter.type ===
ComponentFilterDisplayName ||\n    componentFilter.type === ComponentFilterLocation\n    ) {\n    const
index = prevComponentFilters.indexOf(componentFilter);\n    if (index >= 0) {\n    let isValid = true;\n
    try {\n    new RegExp(value); // eslint-disable-line no-new\n    } catch (error) {\n    isValid =
false;\n    }\n    cloned[index] = {\n    ...componentFilter,\n    isValid,\n    value,\n
};\n    }\n    }\n    return cloned;\n    });\n    },\n    [],\n    );\n\n    const removeFilter = useCallback((index:
number) => {\n    setComponentFilters(prevComponentFilters => {\n    const cloned: Array<ComponentFilter> =
[...prevComponentFilters];\n    cloned.splice(index, 1);\n    return cloned;\n    });\n    },\n    []);\n\n    const
toggleFilterIsEnabled = useCallback(\n    (componentFilter: ComponentFilter, isEnabled: boolean) => {\n
setComponentFilters(prevComponentFilters => {\n    const cloned: Array<ComponentFilter> =
[...prevComponentFilters];\n    const index = prevComponentFilters.indexOf(componentFilter);\n    if (index >=
0) {\n    if (componentFilter.type === ComponentFilterElementType) {\n    cloned[index] = {\n
...((cloned[index]: any): ElementTypeComponentFilter),\n    isEnabled,\n    );\n    } else if (\n
componentFilter.type === ComponentFilterDisplayName ||\n    componentFilter.type ===
ComponentFilterLocation\n    ) {\n    cloned[index] = {\n    ...((cloned[index]: any):
RegExpComponentFilter),\n    isEnabled,\n    );\n    } else if (componentFilter.type ===
ComponentFilterHOC) {\n    cloned[index] = {\n    ...((cloned[index]: any): BooleanComponentFilter),\n
isEnabled,\n    );\n    }\n    }\n    return cloned;\n    });\n    },\n    [],\n    );\n\n    // Filter updates
are expensive to apply (since they impact the entire tree).\n    // Only apply them on unmount.\n    // The Store will
avoid doing any expensive work unless they've changed.\n    // We just want to batch the work in the event that they
do change.\n    const componentFiltersRef = useRef<Array<ComponentFilter>>(componentFilters);\n    useEffect(()
=> {\n    componentFiltersRef.current = componentFilters;\n    return () => {};\n    }, [componentFilters]);\n
useEffect(\n    () => () => {\n    store.componentFilters = [...componentFiltersRef.current];\n    },\n    [store],\n
);\n\n    return (\n    <div className={styles.Settings}>\n    <label className={styles.Setting}>\n    <input\n
type="checkbox"\n    checked={!collapseNodesByDefault}\n
onChange={updateCollapseNodesByDefault}\n    />{' '\n    Expand component tree by default\n
</label>\n\n    <label className={styles.Setting}>\n    <input\n
type="checkbox"\n
checked={parseHookNames}\n    onChange={updateParseHookNames}\n    />{' '\n    Always parse hook
names from source{' '\n    <span className={styles.Warning}>(may be slow)</span>\n    </label>\n\n
<label className={styles.OpenInURLSetting}>\n    Open in Editor URL: {' '\n    <input\n
className={styles.Input}\n
type="text"\n
placeholder={process.env.EDITOR_URL ??
'vscode://file/{path}:{line}'}\n
value={openInEditorURL}\n
onChange={event => {\n
setOpenInEditorURL(event.target.value);\n
}}\n    />\n    </label>\n\n    <div
className={styles.Header}>Hide components where...</div>\n\n    <table className={styles.Table}>\n
<tbody>\n    {componentFilters.length === 0 && (\n    <tr className={styles.TableRow}>\n    <td
className={styles.NoFiltersCell}>\n    No filters have been added.\n    </td>\n    </tr>\n
)}\n    {componentFilters.map((componentFilter, index) => (\n    <tr className={styles.TableRow}
key={index}>\n    <td className={styles.TableCell}>\n    <Toggle\n
className={\n
componentFilter.isValid !== false\n
? '\n
: styles.InvalidRegExp\n
}\n
isChecked={componentFilter.isEnabled}\n
onChange={isEnabled =>\n

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toggleFilterIsEnabled(componentFilter, isEnabled)\n          }\n          title={\n
componentFilter.isValid === false\n          ? 'Filter invalid'\n          : componentFilter.isEnabled\n
          ? 'Filter enabled'\n          : 'Filter disabled'\n          }>\n          <ToggleIcon\n
isEnabled={componentFilter.isEnabled}\n          isValid={\n          componentFilter.isValid === null ||\n
          componentFilter.isValid === true\n          }\n          />\n          </Toggle>\n
</td>\n          <td className={styles.TableCell}>\n          <select\n          className={styles.Select}\n
          value={componentFilter.type}\n          onChange={({currentTarget}) =>\n
changeFilterType(\n          componentFilter,\n          ((parseInt(\n          currentTarget.value,\n
          10,\n          ): any): ComponentFilterType),\n          )\n          )>\n          <option
value={ComponentFilterLocation}>location</option>\n          <option
value={ComponentFilterDisplayName}>name</option>\n          <option
value={ComponentFilterElementType}>type</option>\n          <option
value={ComponentFilterHOC}>hoc</option>\n          </select>\n          </td>\n          <td
className={styles.TableCell}>\n          {componentFilter.type === ComponentFilterElementType &&\n
          'equals'}\n          {(componentFilter.type === ComponentFilterLocation ||\n          componentFilter.type
=== ComponentFilterDisplayName) &&\n          'matches'}\n          </td>\n          <td
className={styles.TableCell}>\n          {componentFilter.type === ComponentFilterElementType && (\n
          <select\n          className={styles.Select}\n          value={componentFilter.value}\n
          onChange={({currentTarget}) =>\n          updateFilterValueType(\n
componentFilter,\n          ((parseInt(currentTarget.value, 10): any): ElementType),\n          )\n
          )>\n          <option value={ElementTypeClass}>class</option>\n          <option
value={ElementTypeContext}>context</option>\n          <option
value={ElementTypeFunction}>function</option>\n          <option
value={ElementTypeForwardRef}>forward ref</option>\n          <option
value={ElementTypeHostComponent}>\n          dom nodes (e.g. &lt;div&gt;)\n          </option>\n
          <option value={ElementTypeMemo}>memo</option>\n          <option
value={ElementTypeOtherOrUnknown}>other</option>\n          <option
value={ElementTypeProfiler}>profiler</option>\n          <option
value={ElementTypeSuspense}>suspense</option>\n          </select>\n          )}\n
          {(componentFilter.type === ComponentFilterLocation ||\n          componentFilter.type ===
ComponentFilterDisplayName) && (\n          <input\n          className={styles.Input}\n
          type='text'\n          placeholder='Regular expression'\n          onChange={({currentTarget}) =>\n
          updateFilterValueRegExp(\n          componentFilter,\n          currentTarget.value,\n
          )\n          )\n          value={componentFilter.value}\n          />\n          )}\n          </td>\n
          <td className={styles.TableCell}>\n          <Button\n          onClick={() => removeFilter(index)}\n
          title='Delete filter'\n          >\n          <ButtonIcon type='delete' />\n          </Button>\n          </td>\n
          </tr>\n          )}\n          </tbody>\n          </table>\n          <Button onClick={addFilter}>\n          <ButtonIcon
className={styles.ButtonIcon} type='add' />\n          Add filter\n          </Button>\n          </div>\n          );\n          }\n          \nntype
ToggleIconProps = {\n          isEnabled: boolean,\n          isValid: boolean,\n          }\n          function ToggleIcon({isEnabled, isValid}:
ToggleIconProps) {\n          let className;\n          if (isValid) {\n          className = isEnabled ? styles.ToggleOn :
styles.ToggleOff;\n          } else {\n          className = isEnabled ? styles.ToggleOnInvalid : styles.ToggleOffInvalid;\n          }\n
          return (\n          <div className={className}>\n          <div\n          className={isEnabled ? styles.ToggleInsideOn :
styles.ToggleInsideOff}\n          />\n          </div>\n          );\n          }\n          '\n          '/**\n          * Copyright (c) Meta Platforms, Inc. and affiliates.\n          *\n          * This source code is licensed under the MIT license found in the\n          * LICENSE file in the root directory of this
source tree.\n          *\n          * @flow\n          */\n          \nimport * as React from 'react';\n          \nimport {useContext} from 'react';\n          \nimport
{SettingsContext} from './SettingsContext';\n          \nimport styles from './SettingsShared.css';\n          \nexport default function
DebuggingSettings(_: {}): React.Node {\n          const {\n          appendComponentStack,\n          breakOnConsoleErrors,\n          hideConsoleLogsInStrictMode,\n          setAppendComponentStack,\n          setBreakOnConsoleErrors,\n

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setShowInlineWarningsAndErrors,\n showInlineWarningsAndErrors,\n setHideConsoleLogsInStrictMode,\n }
= useContext(SettingsContext);\n\n return (\n <div className={styles.Settings}>\n <div
className={styles.Setting}>\n <label>\n <input\n type="checkbox"\n
checked={appendComponentStack}\n onChange={({currentTarget}) =>\n
setAppendComponentStack(currentTarget.checked)\n }\n />{' '\n Append component stacks to
console warnings and errors.\n </label>\n </div>\n <div className={styles.Setting}>\n <label>\n
<input\n type="checkbox"\n checked={showInlineWarningsAndErrors}\n
onChange={({currentTarget}) =>\n setShowInlineWarningsAndErrors(currentTarget.checked)\n }\n
/>{' '\n Show inline warnings and errors.\n </label>\n </div>\n <div
className={styles.Setting}>\n <label>\n <input\n type="checkbox"\n
checked={breakOnConsoleErrors}\n onChange={({currentTarget}) =>\n
setBreakOnConsoleErrors(currentTarget.checked)\n }\n />{' '\n Break on warnings\n
</label>\n </div>\n <div className={styles.Setting}>\n <label>\n <input\n
type="checkbox"\n checked={hideConsoleLogsInStrictMode}\n onChange={({currentTarget}) =>\n
setHideConsoleLogsInStrictMode(currentTarget.checked)\n }\n />{' '\n Hide logs during
second render in Strict Mode\n </label>\n </div>\n </div>\n );\n\n", "/*\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport * as React from 'react';\nimport
{useContext, useMemo} from 'react';\nimport {SettingsContext} from './SettingsContext';\nimport {StoreContext}
from './context';\nimport {CHANGE_LOG_URL} from 'react-devtools-shared/src/devtools/constants';\n\nimport
styles from './SettingsShared.css';\n\nfunction getChangeLogUrl(version: ?string): string | null {\n if (!version) {\n
return null;\n }\n\n // Version numbers are in the format of: <major>.<minor>.<patch>-<sha>\n // e.g. "4.23.0-
f0dd459e0"\n // GitHub CHANGELOG headers are in the format of: <major>.<minor>.<patch>\n // but the "\"
are stripped from anchor tags, becoming: <major><minor><patch>\n const versionAnchor =
version.replace(/^(\\d+)(\\.\\d+)(\\.\\d+).*/, '$1$2$3');\n return
`${CHANGE_LOG_URL}#${versionAnchor}`;\n\n\nexport default function GeneralSettings(_: {}): React.Node
{\n const {\n displayDensity,\n setDisplayDensity,\n setTheme,\n setTraceUpdatesEnabled,\n theme,\n
traceUpdatesEnabled,\n } = useContext(SettingsContext);\n\n const {backendVersion, supportsTraceUpdates} =
useContext(StoreContext);\n\n const frontendVersion = process.env.DEVTOOLS_VERSION;\n\n const
showBackendVersion =\n backendVersion && backendVersion !== frontendVersion;\n\n return (\n <div
className={styles.Settings}>\n <div className={styles.Setting}>\n <div
className={styles.RadioButton}>Theme</div>\n <select\n className={styles.Select}\n
value={theme}\n onChange={({currentTarget}) => setTheme(currentTarget.value)}>\n <option
value="auto">Auto</option>\n <option value="light">Light</option>\n <option
value="dark">Dark</option>\n </select>\n </div>\n <div className={styles.Setting}>\n <div
className={styles.RadioButton}>Display density</div>\n <select\n className={styles.Select}\n
value={displayDensity}\n onChange={({currentTarget}) =>\n
setDisplayDensity(currentTarget.value)\n }\n >\n <option value="compact">Compact</option>\n
<option value="comfortable">Comfortable</option>\n </select>\n </div>\n <div\n
{supportsTraceUpdates && (\n <div className={styles.Setting}>\n <label>\n <input\n
type="checkbox"\n checked={traceUpdatesEnabled}\n onChange={({currentTarget}) =>\n
setTraceUpdatesEnabled(currentTarget.checked)\n }\n />{' '\n Highlight updates when
components render.\n </label>\n </div>\n )}\n <div className={styles.ReleaseNotes}>\n
{showBackendVersion && (\n <div>\n <ul className={styles.VersionsList}>\n <li>\n
<Version\n label="DevTools backend version:"\n version={backendVersion}\n />\n
</li>\n <li>\n <Version\n label="DevTools frontend version:"\n
version={frontendVersion}\n />\n </li>\n </ul>\n </div>\n )}\n
{!showBackendVersion && (\n <Version label="DevTools version:" version={frontendVersion} />\n

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))\n    </div>\n    </div>\n );\n\nfunction Version({label, version}: {label: string, version: ?string}) {\n const\n changelogLink = useMemo(() => {\n return getChangeLogUrl(version);\n }, [version]);\n\n if (version == null)\n {\n return null;\n } else {\n return (\n <>\n {label}{'}'\n <a\n className={styles.ReleaseNotesLink}\n target=\"_blank\"\n rel=\"noopener noreferrer\"\n href={changelogLink}>\n {version}\n </a>\n </>\n );\n }\n}\n\n\"/*\n * Copyright (c) Meta\n Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE\n file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport type {ReactContext} from\n 'shared/ReactTypes';\n\nimport * as React from 'react';\n\nimport {createContext, useCallback, useContext, useMemo,\n useState} from 'react';\n\nimport {unstable_batchedUpdates as batchedUpdates} from 'react-dom';\n\nimport\n {useLocalStorage, useSubscription} from '../hooks';\n\nimport {\n TreeDispatcherContext,\n TreeStateContext,\n }\n from '../Components/TreeContext';\n\nimport {StoreContext} from '../context';\n\nimport {logEvent} from 'react-\n devtools-shared/src/Logger';\n\nimport type {ProfilingDataFrontend} from './types';\n\nexport type TabID = 'flame-\n chart' | 'ranked-chart' | 'timeline';\n\nexport type Context = {\n // Which tab is selected in the Profiler UI?\n selectedTabID: TabID,\n selectTab(id: TabID): void,\n\n // Store subscription based values.\n // The isProfiling\n value may be modified by the record button in the Profiler toolbar,\n // or from the backend itself (after a reload-\n and-profile action).\n // It is synced between the backend and frontend via a Store subscription.\n didRecordCommits: boolean,\n isProcessingData: boolean,\n isProfiling: boolean,\n profilingData:\n ProfilingDataFrontend | null,\n startProfiling(): void,\n stopProfiling(): void,\n supportsProfiling: boolean,\n\n // Which root should profiling data be shown for?\n // This value should be initialized to either:\n // 1. The selected\n root in the Components tree (if it has any profiling data) or\n // 2. The first root in the list with profiling data.\n rootID: number | null,\n setRootID: (id: number) => void,\n\n // Controls whether commits are filtered by\n duration.\n // This value is controlled by a filter toggle UI in the Profiler toolbar.\n // It impacts the commit selector\n UI as well as the fiber commits bar chart.\n isCommitFilterEnabled: boolean,\n setIsCommitFilterEnabled: (value:\n boolean) => void,\n minCommitDuration: number,\n setMinCommitDuration: (value: number) => void,\n\n // Which commit is currently selected in the commit selector UI.\n // Note that this is the index of the commit in all\n commits (non-filtered) that were profiled.\n // This value is controlled by the commit selector UI in the Profiler\n toolbar.\n // It impacts the flame graph and ranked charts.\n selectedCommitIndex: number | null,\n selectCommitIndex: (value: number | null) => void,\n\n // Which fiber is currently selected in the Ranked or\n Flamegraph charts?\n selectedFiberID: number | null,\n selectedFiberName: string | null,\n selectFiber: (id:\n number | null, name: string | null) => void,\n};\n\nconst ProfilerContext: ReactContext<Context> =\n createContext<Context>(\n ((null: any): Context),\n);\n\nProfilerContext.displayName = 'ProfilerContext';\n\n\ntype StoreProfilingState = {\n didRecordCommits: boolean,\n isProcessingData: boolean,\n isProfiling: boolean,\n profilingData: ProfilingDataFrontend | null,\n supportsProfiling: boolean,\n};\n\n\ntype Props = {\n children:\n React$Node,\n};\n\nfunction ProfilerContextController({children}: Props): React.Node {\n const store =\n useContext(StoreContext);\n const {selectedElementID} = useContext(TreeStateContext);\n const dispatch =\n useContext(TreeDispatcherContext);\n\n const {profilerStore} = store;\n\n const subscription = useMemo(\n ()\n => ({\n getCurrentValue: () => ({\n didRecordCommits: profilerStore.didRecordCommits,\n isProcessingData: profilerStore.isProcessingData,\n isProfiling: profilerStore.isProfiling,\n profilingData:\n profilerStore.profilingData,\n supportsProfiling: store.rootSupportsBasicProfiling,\n })),\n subscribe:\n (callback: Function) => {\n profilerStore.addListener('profilingData', callback);\n\n profilerStore.addListener('isProcessingData', callback);\n\n profilerStore.addListener('isProfiling', callback);\n\n store.addListener('rootSupportsBasicProfiling', callback);\n\n return () => {\n profilerStore.removeListener('profilingData', callback);\n\n profilerStore.removeListener('isProcessingData',\n callback);\n\n profilerStore.removeListener('isProfiling', callback);\n\n store.removeListener('rootSupportsBasicProfiling', callback);\n\n };\n },\n ),\n [profilerStore, store],\n );\n\n const {\n didRecordCommits,\n isProcessingData,\n isProfiling,\n profilingData,\n supportsProfiling,\n } = useSubscription<StoreProfilingState>(subscription);\n\n const [prevProfilingData,\n setPrevProfilingData] =\n useState<ProfilingDataFrontend | null>(null);\n\n const [rootID, setRootID] =

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useState<number | null>(null);\n const [selectedFiberID, selectFiberID] = useState<number | null>(null);\n const
[selectedFiberName, selectFiberName] = useState<string | null>(null);\n\n const selectFiber = useCallback(\n (id:
number | null, name: string | null) => {\n   selectFiberID(id);\n   selectFiberName(name);\n   // Sync selection
to the Components tab for convenience.\n   // Keep in mind that profiling data may be from a previous session.\n
// If data has been imported, we should skip the selection sync.\n   if (\n     id !== null &&\n     profilingData
!== null &&\n     profilingData.imported === false\n   ) {\n     // We should still check to see if this element is
still in the store.\n     // It may have been removed during profiling.\n     if (store.containsElement(id)) {\n
dispatch({\n       type: 'SELECT_ELEMENT_BY_ID',\n       payload: id,\n     });\n   }\n },\n\n [dispatch, selectFiberID, selectFiberName, store, profilingData],\n );\n\n const setRootIDAndClearFiber =
useCallback(\n (id: number | null) => {\n   selectFiber(null, null);\n   setRootID(id);\n },\n\n [setRootID,
selectFiber],\n );\n\n if (prevProfilingData !== profilingData) {\n   batchedUpdates(() => {\n
setPrevProfilingData(profilingData);\n\n   const dataForRoots =\n     profilingData !== null ?
profilingData.dataForRoots : null;\n     if (dataForRoots !== null) {\n       const firstRootID =
dataForRoots.keys().next().value || null;\n       if (rootID === null || !dataForRoots.has(rootID)) {\n         let
selectedElementRootID = null;\n         if (selectedElementID !== null) {\n           selectedElementRootID =\n
store.getRootIDForElement(selectedElementID);\n         }\n         if (\n           selectedElementRootID !== null
&&\n           dataForRoots.has(selectedElementRootID)\n         ) {\n
setRootIDAndClearFiber(selectedElementRootID);\n         } else {\n
setRootIDAndClearFiber(firstRootID);\n         }\n       }\n     }\n   });\n }\n\n const [isCommitFilterEnabled,
setIsCommitFilterEnabled] =\n   useLocalStorage<boolean>('React::DevTools::isCommitFilterEnabled', false);\n\n
const [minCommitDuration, setMinCommitDuration] = useLocalStorage<number>(\n   'minCommitDuration',\n   0,\n );\n\n
const [selectedCommitIndex, selectCommitIndex] = useState<number | null>(\n   null,\n );\n\n const
[selectedTabID, selectTab] = useLocalStorage<TabID>(\n   'React::DevTools::Profiler::defaultTab',\n   'flame-
chart',\n   value => {\n     logEvent({\n       event_name: 'profiler-tab-changed',\n       metadata: {\n         tabId:
value,\n       },\n     });\n   },\n );\n\n const startProfiling = useCallback(() => {\n   logEvent({\n     event_name:
'profiling-start',\n     metadata: {current_tab: selectedTabID},\n   });\n   store.profilerStore.startProfiling();\n },
\n [store, selectedTabID]);\n\n const stopProfiling = useCallback(\n   () => store.profilerStore.stopProfiling(),\n
\n [store],\n );\n\n if (isProfiling) {\n   batchedUpdates(() => {\n     if (selectedCommitIndex !== null) {\n
selectCommitIndex(null);\n     }\n     if (selectedFiberID !== null) {\n       selectFiberID(null);\n
selectFiberName(null);\n     }\n   });\n }\n\n const value = useMemo(\n   () => ({\n     selectedTabID,\n     selectTab,\n     didRecordCommits,\n     isProcessingData,\n     isProfiling,\n     profilingData,\n     startProfiling,\n     stopProfiling,\n     supportsProfiling,\n     rootID,\n     setRootID:\n     setRootIDAndClearFiber,\n     isCommitFilterEnabled,\n     setIsCommitFilterEnabled,\n     minCommitDuration,\n     setMinCommitDuration,\n     selectedCommitIndex,\n     selectCommitIndex,\n     selectedFiberID,\n     selectedFiberName,\n     selectFiber,\n   }),\n   [\n     selectedTabID,\n     selectTab,\n     didRecordCommits,\n     isProcessingData,\n     isProfiling,\n     profilingData,\n     startProfiling,\n     stopProfiling,\n     supportsProfiling,\n     rootID,\n     setRootID,\n     setRootIDAndClearFiber,\n     isCommitFilterEnabled,\n     setIsCommitFilterEnabled,\n     minCommitDuration,\n     setMinCommitDuration,\n     selectedCommitIndex,\n     selectCommitIndex,\n     selectedFiberID,\n     selectedFiberName,\n     selectFiber,\n   ],\n );\n\n return (\n   <ProfilerContext.Provider value={value}>\n     {children}\n   </ProfilerContext.Provider>\n );\n\n\nexport {ProfilerContext,
ProfilerContextController};\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n *
@flow\n */\n\nimport * as React from 'react';\nimport {useCallback, useContext, useMemo, useRef} from
'react';\nimport {useSubscription} from '../hooks';\nimport {StoreContext} from '../context';\nimport
{ProfilerContext} from 'react-devtools-shared/src/devtools/views/Profiler/ProfilerContext';\nimport styles from
'./SettingsShared.css';\n\nexport default function ProfilerSettings(_: {}): React.Node {\n   const {\n     isCommitFilterEnabled,\n     minCommitDuration,\n     setIsCommitFilterEnabled,\n     setMinCommitDuration,\n

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= useContext(ProfilerContext);\n const store = useContext(StoreContext);\n\n const
recordChangeDescriptionsSubscription = useMemo(\n () => ({\n   getCurrentValue: () =>
store.recordChangeDescriptions,\n   subscribe: (callback: Function) => {\n
store.addListener('recordChangeDescriptions', callback);\n   return () =>
store.removeListener('recordChangeDescriptions', callback);\n   },\n }),\n [store],\n );\n const
recordChangeDescriptions = useSubscription<boolean>(\n recordChangeDescriptionsSubscription,\n );\n\n const
updateRecordChangeDescriptions = useCallback(\n ({currentTarget}: $FlowFixMe) => {\n
store.recordChangeDescriptions = currentTarget.checked;\n },\n [store],\n );\n const
updateMinCommitDuration = useCallback(\n (event: SyntheticEvent<HTMLInputElement>) => {\n const
newValue = parseFloat(event.currentTarget.value);\n   setMinCommitDuration(\n     Number.isNaN(newValue)
|| newValue <= 0 ? 0 : newValue,\n   );\n },\n [setMinCommitDuration],\n );\n const
updateIsCommitFilterEnabled = useCallback(\n (event: SyntheticEvent<HTMLInputElement>) => {\n const
checked = event.currentTarget.checked;\n   setIsCommitFilterEnabled(checked);\n   if (checked) {\n     if
(minCommitDurationInputRef.current !== null) {\n       minCommitDurationInputRef.current.focus();\n     }\n   }\n },\n [setIsCommitFilterEnabled],\n );\n\n const minCommitDurationInputRef =
useRef<HTMLInputElement | null>(null);\n\n return (\n   <div className={styles.Settings}>\n     <div
className={styles.Setting}>\n       <label>\n         <input\n           type=\"checkbox\"\n
checked={recordChangeDescriptions}\n           onChange={updateRecordChangeDescriptions}\n         />{' '\n
Record why each component rendered while profiling.\n       </label>\n     </div>\n     <div
className={styles.Setting}>\n       <label>\n         <input\n           checked={isCommitFilterEnabled}\n
onChange={updateIsCommitFilterEnabled}\n           type=\"checkbox\"\n         />{' '\n         Hide commits
below\n       </label>{' '\n         <input\n           className={styles.Input}\n
onChange={updateMinCommitDuration}\n           ref={minCommitDurationInputRef}\n           type=\"number\"\n
value={minCommitDuration}\n         />{' '\n         (ms)\n       </div>\n     </div>\n   );\n };\n\n /**\n * Copyright (c)
Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n */\n\n @flow\n\n import * as React from 'react';\n\n import
{useCallback, useContext, useEffect, useMemo, useRef} from 'react';\n\n import {SettingsModalContext} from
'./SettingsModalContext';\n\n import Button from './Button';\n\n import ButtonIcon from './ButtonIcon';\n\n import TabBar
from './TabBar';\n\n import {StoreContext} from './context';\n\n import {\n   useLocalStorage,\n   useModalDismissSignal,\n   useSubscription,\n } from './hooks';\n\n import ComponentsSettings from
'./ComponentsSettings';\n\n import DebuggingSettings from './DebuggingSettings';\n\n import GeneralSettings from
'./GeneralSettings';\n\n import ProfilerSettings from './ProfilerSettings';\n\n\n import styles from
'./SettingsModal.css';\n\n\n type TabID = 'general' | 'components' | 'profiler';\n\n\n export default function
SettingsModal(_: {}): React.Node {\n   const {isModalShowing, setIsModalShowing} =
useContext(SettingsModalContext);\n   const store = useContext(StoreContext);\n   const {profilerStore} = store;\n   // Updating preferences while profiling is in progress could break things (e.g. filtering)\n   // Explicitly disallow it for
now.\n   const isProfilingSubscription = useMemo(\n     () => ({\n       getCurrentValue: () =>
profilerStore.isProfiling,\n       subscribe: (callback: Function) => {\n         profilerStore.addListener('isProfiling',
callback);\n         return () => profilerStore.removeListener('isProfiling', callback);\n       },\n     }),\n     [profilerStore],\n   );\n   const isProfiling = useSubscription<boolean>(isProfilingSubscription);\n   if (isProfiling &&
isModalShowing) {\n     setIsModalShowing(false);\n   }\n   if (!isModalShowing) {\n     return null;\n   }\n   return
<SettingsModalImpl />;\n }\n\n\n function SettingsModalImpl(_: {}) {\n   const {setIsModalShowing} =
useContext(SettingsModalContext);\n   const dismissModal = useCallback(\n     () => setIsModalShowing(false),\n   );\n   [setIsModalShowing,\n   ];\n   const [selectedTabID, selectTab] = useLocalStorage<TabID>(\n
'React::DevTools::selectedSettingsTabID',\n   'general',\n   );\n   const modalRef = useRef<HTMLDivElement |
null>(null);\n   useModalDismissSignal(modalRef, dismissModal);\n   useEffect(() => {\n     if (modalRef.current
!== null) {\n       modalRef.current.focus();\n     }\n   }, [modalRef]);\n   let view = null;\n   switch (selectedTabID)
{\n     case 'components':\n       view = <ComponentsSettings />;\n       break;\n     // $FlowFixMe[ incompatible-type ] is

```

```

this missing in TabID?
  case 'debugging':
    view = <DebuggingSettings />
    break
  case 'general':
    view = <GeneralSettings />
    break
  case 'profiler':
    view = <ProfilerSettings />
    break
  default:
    break
}
return (
  <div className={styles.Background}>
    <div
      className={styles.Modal} ref={modalRef}>
      <div className={styles.Tabs}>
        <TabBar
          currentTab={selectedTabID}
          id="Settings"
          selectTab={selectTab}
          tabs={tabs}
          type="settings" />
        <div className={styles.Spacer} />
        <Button onClick={dismissModal}
          title="Close settings dialog" />
        <ButtonIcon type="close" />
        </Button>
      </div>
      <div
        className={styles.Content}>{view}</div>
    </div>
  </div>
);
const tabs = [
  { id: 'general', icon: 'settings', label: 'General' },
  { id: 'debugging', icon: 'bug', label: 'Debugging' },
  { id: 'components', icon: 'components', label: 'Components' },
  { id: 'profiler', icon: 'profiler', label: 'Profiler' }
];
/**
 * Copyright (c) Meta Platforms, Inc. and affiliates.
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 */
import * as React from 'react';
import { Fragment, Suspense, useEffect,
  useLayoutEffect, useReducer, useRef } from 'react';
import Tree from './Tree';
import { OwnersListContextController } from './OwnersListContext';
import portaledContent from './portaledContent';
import { SettingsModalContextController } from 'react-devtools-
shared/src/devtools/views/Settings/SettingsModalContext';
import { localStorageGetItem, localStorageSetItem } from 'react-devtools-shared/src/storage';
import InspectedElementErrorBoundary from './InspectedElementErrorBoundary';
import InspectedElement from './InspectedElement';
import { InspectedElementContextController } from './InspectedElementContext';
import { ModalDialog } from './ModalDialog';
import SettingsModal from 'react-devtools-
shared/src/devtools/views/Settings/SettingsModal';
import { NativeStyleContextController } from './NativeStyleEditor/context';
import styles from './Components.css';
type Orientation = 'horizontal' | 'vertical';
type ResizeActionType =
  | 'ACTION_SET_DID_MOUNT'
  | 'ACTION_SET_IS_RESIZING'
  | 'ACTION_SET_HORIZONTAL_PERCENTAGE'
  | 'ACTION_SET_VERTICAL_PERCENTAGE';
type ResizeAction = {
  type: ResizeActionType,
  payload: any,
};
type ResizeState = {
  horizontalPercentage: number,
  isResizing: boolean,
  verticalPercentage: number,
};
function Components({}) {
  const wrapperElementRef = useRef<null | HTMLDivElement>(null);
  const resizeElementRef = useRef<null | HTMLDivElement>(null);
  const [state, dispatch] = useReducer<ResizeState, any, ResizeAction>(
    resizeReducer,
    null,
    initResizeState,
  );
  const { horizontalPercentage, verticalPercentage } = state;
  useLayoutEffect(() => {
    const resizeElement = resizeElementRef.current;
    setResizeCSSVariable(
      resizeElement,
      'horizontal',
      horizontalPercentage * 100,
    );
    setResizeCSSVariable(
      resizeElement,
      'vertical',
      verticalPercentage * 100,
    );
    useEffect(() => {
      const timeoutID = setTimeout(() => {
        localStorageSetItem(
          LOCAL_STORAGE_KEY,
          JSON.stringify({
            horizontalPercentage,
            verticalPercentage,
          }),
          500,
        );
        return () => clearTimeout(timeoutID);
      }, [horizontalPercentage, verticalPercentage]);
      const { isResizing } = state;
      const onResizeStart = () =>
        dispatch({ type: 'ACTION_SET_IS_RESIZING', payload: true });
      let onResize;
      let onResizeEnd;
      if (isResizing) {
        onResizeEnd = () =>
          dispatch({ type: 'ACTION_SET_IS_RESIZING', payload: false });
      }
      // $FlowFixMe[missing-local-annot]
      onResize = event => {
        const resizeElement =
          resizeElementRef.current;
        const wrapperElement = wrapperElementRef.current;
        if (!isResizing ||
          wrapperElement === null ||
          resizeElement === null) {
          return;
        }
        event.preventDefault();
        const orientation = getOrientation(wrapperElement);
        const { height, width, left, top } =
          wrapperElement.getBoundingClientRect();
        const currentMousePosition =
          orientation === 'horizontal'
            ? event.clientX - left
            : event.clientY - top;
        const boundaryMin =
          MINIMUM_SIZE;
        const boundaryMax =
          orientation === 'horizontal'
            ? width -
              MINIMUM_SIZE
            : height -
              MINIMUM_SIZE;
        const isMousePositionInBounds =
          currentMousePosition > boundaryMin &&
          currentMousePosition < boundaryMax;
        if (isMousePositionInBounds) {
          const resizedElementDimension =
            orientation === 'horizontal' ? width :

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height;\n    const actionType =\n        orientation === 'horizontal'\n        ?\n        'ACTION_SET_HORIZONTAL_PERCENTAGE'\n        : 'ACTION_SET_VERTICAL_PERCENTAGE';\n    const percentage =\n        (currentMousePosition / resizedElementDimension) * 100;\n    setResizeCSSVariable(resizeElement, orientation, percentage);\n    dispatch({\n        type: actionType,\n        payload: currentMousePosition / resizedElementDimension,\n    });\n    }\n    }\n    }\n    return (\n        <SettingsModalContextController>\n        <OwnersListContextController>\n        <div\n            ref={wrapperElementRef}\n            className={styles.Components}\n            onMouseMove={onResize}\n            onMouseLeave={onResizeEnd}\n            onMouseUp={onResizeEnd}>\n                <Fragment>\n                <div\n                    ref={resizeElementRef} className={styles.TreeWrapper}>\n                    <Tree />\n                </div>\n                <div\n                    className={styles.ResizeBarWrapper}>\n                    <div onMouseDown={onResizeStart}\n                        className={styles.ResizeBar} />\n                    </div>\n                    <div className={styles.InspectedElementWrapper}>\n                        <NativeStyleContextController>\n                        <InspectedElementErrorBoundary>\n                        <Suspense\n                            fallback={<Loading />}>\n                            <InspectedElementContextController>\n                            <InspectedElement\n                                />\n                            </InspectedElementContextController>\n                            </Suspense>\n                        </InspectedElementErrorBoundary>\n                        </NativeStyleContextController>\n                    </div>\n                </ModalDialog />\n                <SettingsModal />\n            </Fragment>\n        </div>\n    </OwnersListContextController>\n    </SettingsModalContextController>)\n    );\n\nfunction Loading() {\n    return\n    <div className={styles.Loading}>Loading...</div>;\n}\n\nconst LOCAL_STORAGE_KEY =\n    'React::DevTools::createResizeReducer';\nconst VERTICAL_MODE_MAX_WIDTH = 600;\nconst\n    MINIMUM_SIZE = 50;\nfunction initResizeState(): ResizeState {\n    let horizontalPercentage = 0.65;\n    let\n        verticalPercentage = 0.5;\n    try {\n        let data = localStorage.getItem(LOCAL_STORAGE_KEY);\n        if (data !==\n            null) {\n            data = JSON.parse(data);\n            horizontalPercentage = data.horizontalPercentage;\n            verticalPercentage = data.verticalPercentage;\n        }\n    } catch (error) {\n    }\n    return {\n        horizontalPercentage,\n        isResizing: false,\n        verticalPercentage,\n    };\n}\n\nfunction resizeReducer(state: ResizeState, action:\n    ResizeAction): ResizeState {\n    switch (action.type) {\n        case 'ACTION_SET_IS_RESIZING':\n            return {\n                ...state,\n                isResizing: action.payload,\n            };\n        case 'ACTION_SET_HORIZONTAL_PERCENTAGE':\n            return {\n                ...state,\n                horizontalPercentage: action.payload,\n            };\n        case\n            'ACTION_SET_VERTICAL_PERCENTAGE':\n            return {\n                ...state,\n                verticalPercentage:\n                    action.payload,\n            };\n        default:\n            return state;\n    }\n}\n\nfunction getOrientation(\n    wrapperElement: null | HTMLDivElement,\n): null | Orientation {\n    if (wrapperElement !== null) {\n        const {width} =\n            wrapperElement.getBoundingClientRect();\n        return width > VERTICAL_MODE_MAX_WIDTH ? 'horizontal':\n            'vertical';\n    }\n    return null;\n}\n\nfunction setResizeCSSVariable(\n    resizeElement: null | HTMLDivElement,\n    orientation: null | Orientation,\n    percentage: number,\n): void {\n    if (resizeElement !== null && orientation !==\n        null) {\n        resizeElement.style.setProperty(\n            `--${orientation}-resize-percentage`,\n            `${percentage}%`,\n        );\n    }\n}\n\nexport default (portaledContent(\n    Components,\n)\n    React$StatelessFunctionalComponent<{}>);\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source\n * tree.\n *\n * @flow\n */\n\nimport type {ReactContext, RefObject} from 'shared/ReactTypes';\nimport * as React\n    from 'react';\nimport {\n    createContext,\n    useContext,\n    useMemo,\n    useRef,\n    useState,\n    useSyncExternalStore,\n} from 'react';\nimport {StoreContext} from 'react-devtools-\n    shared/src/devtools/views/context';\nimport type {\n    HorizontalScrollStateChangeCallback,\n    TimelineData,\n    SearchRegExpStateChangeCallback,\n    ViewState,\n    ReactEventInfo,\n} from './types';\n\nexport type Context =\n    {\n        file: File | null,\n        inMemoryTimelineData: Array<TimelineData> | null,\n        isTimelineSupported: boolean,\n        searchInputContainerRef: RefObject,\n        setFile: (file: File | null) => void,\n        viewState: ViewState,\n        selectEvent:\n            ReactEventInfo => void,\n        selectedEvent: ReactEventInfo,\n    };\n\nconst TimelineContext: ReactContext<Context> =\n    createContext<Context>(\n        (null: any): Context,\n    );\n\nTimelineContext.displayName =\n    'TimelineContext';\n\ntype Props = {\n    children: React$Node,\n};\n\nfunction\n    TimelineContextController({children}: Props): React.Node {\n    const searchInputContainerRef = useRef(null);\n
```



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const [file, setFile] = useState<string | null>(null);\n\n const store = useContext(StoreContext);\n\n const
isTimelineSupported = useSyncExternalStore<boolean>(\n  function subscribe(callback) {\n
store.addListener('rootSupportsTimelineProfiling', callback);\n  return function unsubscribe() {\n
store.removeListener('rootSupportsTimelineProfiling', callback);\n  });\n },\n function getState() {\n  return
store.rootSupportsTimelineProfiling;\n },\n );\n\n const inMemoryTimelineData =
useSyncExternalStore<Array<TimelineData> | null>(\n  function subscribe(callback) {\n
store.profilerStore.addListener('isProcessingData', callback);\n  store.profilerStore.addListener('profilingData',
callback);\n  return function unsubscribe() {\n  store.profilerStore.removeListener('isProcessingData',
callback);\n  store.profilerStore.removeListener('profilingData', callback);\n  });\n },\n function getState()
{\n  return store.profilerStore.profilingData?.timelineData || null;\n },\n );\n\n // Recreate view state any time
new profiling data is imported.\n const viewState = useMemo<ViewState>(() => {\n  const
horizontalScrollStateChangeCallbacks: Set<HorizontalScrollStateChangeCallback> =\n  new Set();\n  const
searchRegExpStateChangeCallbacks: Set<SearchRegExpStateChangeCallback> =\n  new Set();\n\n  const
horizontalScrollState = {\n  offset: 0,\n  length: 0,\n  };\n\n  const state: ViewState = {\n
horizontalScrollState,\n  onHorizontalScrollStateChange: callback => {\n
horizontalScrollStateChangeCallbacks.add(callback);\n  },\n  onSearchRegExpStateChange: callback => {\n
searchRegExpStateChangeCallbacks.add(callback);\n  },\n  searchRegExp: null,\n
updateHorizontalScrollState: scrollState => {\n  if (\n  horizontalScrollState.offset === scrollState.offset
&&\n  horizontalScrollState.length === scrollState.length\n  ) {\n  return;\n  }\n\n
horizontalScrollState.offset = scrollState.offset;\n  horizontalScrollState.length = scrollState.length;\n\n
horizontalScrollStateChangeCallbacks.forEach(callback => {\n  callback(scrollState);\n  });\n },\n
updateSearchRegExpState: (searchRegExp: RegExp | null) => {\n  state.searchRegExp = searchRegExp;\n\n
searchRegExpStateChangeCallbacks.forEach(callback => {\n  callback(searchRegExp);\n  });\n },\n
viewToMutableViewStateMap: new Map(),\n );\n\n  return state;\n }, [file]);\n\n const [selectedEvent,
selectEvent] = useState<ReactEventInfo | null>(null);\n\n const value = useMemo(\n  () => ({\n  file,\n
inMemoryTimelineData,\n  isTimelineSupported,\n  searchInputContainerRef,\n  setFile,\n  viewState,\n
selectEvent,\n  selectedEvent,\n  }),\n  [\n  file,\n  inMemoryTimelineData,\n  isTimelineSupported,\n
setFile,\n  viewState,\n  selectEvent,\n  selectedEvent,\n  ],\n );\n\n  return (\n
<TimelineContext.Provider value={ value }>\n  {children}\n  </TimelineContext.Provider>\n );\n\n\nexport
{TimelineContext, TimelineContextController};\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n
* This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this
source tree.\n *\n * @flow\n */\n\nimport * as React from 'react';\n\nimport {useContext} from 'react';\n\nimport
{ProfilerContext} from './ProfilerContext';\n\nimport Button from './Button';\n\nimport ButtonIcon from
'./ButtonIcon';\n\nimport {StoreContext} from '../context';\n\nimport {TimelineContext} from 'react-devtools-
timeline/src/TimelineContext';\n\nexport default function ClearProfilingDataButton(): React.Node {\n  const store =
useContext(StoreContext);\n  const {didRecordCommits, isProfiling} = useContext(ProfilerContext);\n  const {file,
setFile} = useContext(TimelineContext);\n  const {profilerStore} = store;\n\n  const doesHaveInMemoryData =
didRecordCommits;\n  const doesHaveUserTimingData = file !== null;\n\n  const clear = () => {\n  if
(doesHaveInMemoryData) {\n  profilerStore.clear();\n  }\n  if (doesHaveUserTimingData) {\n
setFile(null);\n  }\n  };\n\n  return (\n  <Button\n  disabled={\n  isProfiling || !(doesHaveInMemoryData ||
doesHaveUserTimingData)\n  }\n  onClick={clear}\n  title="Clear profiling data"\n  >\n  <ButtonIcon
type="clear" />\n  </Button>\n );\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n
* This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\nimport * as React from 'react';\n\nimport styles from './NoCommitData.css';\n\nexport
default function NoCommitData(_: {}): React.Node {\n  return (\n  <div className={styles.NoCommitData}>\n
<div className={styles.Header}>\n  There is no data matching the current filter criteria.\n  </div>\n  <div
className={styles.FilterMessage}>\n  Try adjusting the commit filter in Profiler settings.\n  </div>\n
</div>\n );\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n
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under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n *\nimport * as React from 'react';\nimport styles from './ChartNode.css';\n\ntype Props = {\n  color: string,\n  height: number,\n  isDimmed?: boolean,\n  label: string,\n  onClick: (event: SyntheticMouseEvent<any>) =>\n  mixed,\n  onDoubleClick?: (event: SyntheticMouseEvent<any>) => mixed,\n  onMouseEnter: (event:\n  SyntheticMouseEvent<any>) => mixed,\n  onMouseLeave: (event: SyntheticMouseEvent<any>) => mixed,\n  placeLabelAboveNode?: boolean,\n  textStyle?: Object,\n  width: number,\n  x: number,\n  y: number,\n};\n\nconst\n  minWidthToDisplay = 35;\n\nexport default function ChartNode({\n  color,\n  height,\n  isDimmed = false,\n  label,\n  onClick,\n  onMouseEnter,\n  onMouseLeave,\n  onDoubleClick,\n  textStyle,\n  width,\n  x,\n  y,\n}: Props): React.Node {\n  return (\n    <g className={styles.Group} transform={`translate(${x},${y})`} >\n      <rect\n        width={width}\n        height={height}\n        fill={color}\n        onClick={onClick}\n        onMouseEnter={onMouseEnter}\n        onMouseLeave={onMouseLeave}\n        onDoubleClick={onDoubleClick}\n        className={styles.Rect}\n        style={{\n          opacity: isDimmed ? 0.5 : 1,\n        }}\n      />\n      {width >= minWidthToDisplay && (\n        <foreignObject\n          width={width}\n          height={height}\n          className={styles.ForeignObject}\n          style={{\n            paddingLeft: x < 0 ? -x : 0,\n            opacity: isDimmed ? 0.75 : 1,\n            display: width < minWidthToDisplay ? 'none' : 'block',\n          }}\n        >\n          <div className={styles.Div} style={textStyle}>\n            {label}\n          </div>\n        </foreignObject>\n      )\n    </g>\n  );\n}\n\n/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This\n  source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source\n  tree.\n *\n * @flow\n *\nimport * as React from 'react';\nimport {Fragment, memo, useCallback, useContext}\n  from 'react';\nimport {areEqual} from 'react-window';\nimport {barWidthThreshold} from './constants';\nimport\n  {getGradientColor} from './utils';\nimport ChartNode from './ChartNode';\nimport {SettingsContext} from\n  './Settings/SettingsContext';\nimport type {ChartNode as ChartNodeType} from\n  './FlamegraphChartBuilder';\nimport type {ItemData} from './CommitFlamegraph';\n\ntype Props = {\n  data:\n  ItemData,\n  index: number,\n  style: Object,\n  ...;\n};\n\nfunction CommitFlamegraphListItem({data, index, style}:\n  Props): React.Node {\n  const {\n    chartData,\n    onElementMouseEnter,\n    onElementMouseLeave,\n    scaleX,\n    selectedChartNode,\n    selectedChartNodeIndex,\n    selectFiber,\n    width,\n  } = data;\n  const\n    {renderPathNodes, maxSelfDuration, rows} = chartData;\n\n  const {lineHeight} =\n    useContext(SettingsContext);\n\n  const handleClick = useCallback(\n    (event:\n    SyntheticMouseEvent<EventTarget>, id: number, name: string) => {\n      event.stopPropagation();\n      selectFiber(id, name);\n    },\n    [selectFiber],\n  );\n\n  const handleMouseEnter = (nodeData: ChartNodeType) =>\n    {\n      const {id, name} = nodeData;\n      onElementMouseEnter({id, name});\n    };\n\n  const handleMouseLeave = (\n    => {\n      onElementMouseLeave();\n    });\n\n  // List items are absolutely positioned using the CSS \"top\" attribute.\n  // The \"left\" value will always be 0.\n  // Since height is fixed, and width is based on the node's duration,\n  // We can ignore those values as well.\n  const top = parseInt(style.top, 10);\n  const row = rows[index];\n  const\n    selectedNodeOffset = scaleX(\n      selectedChartNode !== null ? selectedChartNode.offset : 0,\n      width,\n    );\n\n  return (\n    <Fragment>\n      {row.map(chartNode => {\n        const {\n          didRender,\n          id,\n          label,\n          name,\n          offset,\n          selfDuration,\n          treeBaseDuration,\n        } = chartNode;\n\n        const\n          nodeOffset = scaleX(offset, width);\n          const nodeWidth = scaleX(treeBaseDuration, width);\n\n          // Filter out\n          nodes that are too small to see or click.\n          // This also helps render large trees faster.\n          if (nodeWidth <\n            barWidthThreshold) {\n            return null;\n          }\n\n          // Filter out nodes that are outside of the horizontal\n          window.\n          if (\n            nodeOffset + nodeWidth < selectedNodeOffset ||\n            nodeOffset >\n            selectedNodeOffset + width\n          ) {\n            return null;\n          }\n\n          let color = 'url(#didNotRenderPattern)';\n          let textColor = 'var(--color-commit-did-not-render-pattern-text)';\n          if (didRender) {\n            color =\n              getGradientColor(selfDuration / maxSelfDuration);\n            textColor = 'var(--color-commit-gradient-text)';\n          }\n          else if (renderPathNodes.has(id)) {\n            color = 'var(--color-commit-did-not-render-fill)';\n            textColor =\n              'var(--color-commit-did-not-render-fill-text)';\n          }\n\n          return (\n            <ChartNode\n              color={color}\n              height={lineHeight}\n              isDimmed={index < selectedChartNodeIndex}\n              key={id}\n              label={label}\n              onClick={event => handleClick(event, id, name)}\n              onMouseEnter={() =>

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handleMouseEnter(chartNode)}\n      onMouseLeave={handleMouseLeave}\n      textStyle={{ color:
textColor}}\n      width={nodeWidth}\n      x={nodeOffset - selectedNodeOffset}\n      y={top}\n
/>\n    );\n  }}\n </Fragment>\n );\n\nexport default (memo(\n CommitFlamegraphListItem,\n areEqual,\n): React.ComponentType<Props>);\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\nexport const barWidthThreshold = 2;\nexport const maxBarWidth = 30;\nexport const
minBarWidth = 5;\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n
*/\n\nimport * as React from 'react';\nimport {useContext} from 'react';\nimport {ProfilerContext} from
'./Profiler/ProfilerContext';\nimport {StoreContext} from './context';\nimport styles from
'./WhatChanged.css';\n\nfunction hookIndicesToString(indices: Array<number>): string {\n // This is debatable but
I think 1-based might ake for a nicer UX.\n const numbers = indices.map(value => value + 1);\n\n switch
(numbers.length) {\n case 0:\n return 'No hooks changed';\n case 1:\n return `Hook ${numbers[0]}
changed`;\n case 2:\n return `Hooks ${numbers[0]} and ${numbers[1]} changed`;\n default:\n return
`Hooks ${numbers.slice(0, numbers.length - 1).join(', ')} and ${\n numbers[numbers.length - 1]\n }
changed`;\n }\n}\n\ntype Props = {\n fiberID: number,\n};\n\nexport default function WhatChanged({fiberID}:
Props): React.Node {\n const {profilerStore} = useContext(StoreContext);\n const {rootID, selectedCommitIndex}
= useContext(ProfilerContext);\n\n // TRICKY\n // Handle edge case where no commit is selected because of a
min-duration filter update.\n // If the commit index is null, suspending for data below would throw an error.\n //
TODO (ProfilerContext) This check should not be necessary.\n if (selectedCommitIndex === null) {\n return
null;\n }\n\n const {changeDescriptions} = profilerStore.getCommitData(\n ((rootID: any): number),\n
selectedCommitIndex,\n );\n\n if (changeDescriptions === null) {\n return null;\n }\n\n const changeDescription
= changeDescriptions.get(fiberID);\n if (changeDescription == null) {\n return null;\n }\n\n const {context,
didHooksChange, hooks, isFirstMount, props, state} =\n changeDescription;\n\n if (isFirstMount) {\n return (\n
<div className={styles.Component}>\n <label className={styles.Label}>Why did this render?</label>\n
<div className={styles.Item}>\n This is the first time the component rendered.\n </div>\n </div>\n
);\n }\n\n const changes = [];\n\n if (context === true) {\n changes.push(\n <div key="\`context\`"
className={styles.Item}>\n • Context changed\n </div>,\n );\n } else if (\n typeof context === 'object'
&&\n context !== null &&\n context.length !== 0\n ) {\n changes.push(\n <div key="\`context\`"
className={styles.Item}>\n • Context changed:\n {context.map(key => (\n <span key={key}
className={styles.Key}>\n {key}\n </span>\n ))}\n </div>,\n );\n }\n\n if
(didHooksChange) {\n if (Array.isArray(hooks)) {\n changes.push(\n <div key="\`hooks\`"
className={styles.Item}>\n • {hookIndicesToString(hooks)}\n </div>,\n );\n } else {\n
changes.push(\n <div key="\`hooks\`" className={styles.Item}>\n • Hooks changed\n </div>,\n
);\n }\n }\n\n if (props !== null && props.length !== 0) {\n changes.push(\n <div key="\`props\`"
className={styles.Item}>\n • Props changed:\n {props.map(key => (\n <span key={key}
className={styles.Key}>\n {key}\n </span>\n ))}\n </div>,\n );\n }\n\n if (state !== null
&& state.length !== 0) {\n changes.push(\n <div key="\`state\`" className={styles.Item}>\n • State
changed:\n {state.map(key => (\n <span key={key} className={styles.Key}>\n {key}\n
</span>\n ))}\n </div>,\n );\n }\n\n if (changes.length === 0) {\n changes.push(\n <div
key="\`nothing\`" className={styles.Item}>\n The parent component rendered.\n </div>,\n );\n }\n\n
return (\n <div className={styles.Component}>\n <label className={styles.Label}>Why did this
render?</label>\n {changes}\n </div>\n );\n}\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n
*\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this
source tree.\n *\n * @flow\n */\n\nimport * as React from 'react';\nimport {Fragment, useContext} from
'react';\nimport {ProfilerContext} from './ProfilerContext';\nimport {formatDuration} from './utils';\nimport
WhatChanged from './WhatChanged';\nimport {StoreContext} from './context';\nimport styles from
'./HoveredFiberInfo.css';\n\nimport type {ChartNode} from './FlamegraphChartBuilder';\n\nexport type

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TooltipFiberData = {\n id: number,\n name: string,\n};\n\nexport type Props = {\n fiberData:
ChartNode,\n};\n\nexport default function HoveredFiberInfo({ fiberData }: Props): React.Node {\n const
{ profilerStore } = useContext(StoreContext);\n const { rootID, selectedCommitIndex } =
useContext(ProfilerContext);\n\n const { id, name } = fiberData;\n const { profilingCache } = profilerStore;\n\n
const commitIndices = profilingCache.getFiberCommits({\n fiberID: ((id: any): number),\n rootID: ((rootID:
any): number),\n });\n\n let renderDurationInfo = null;\n let i = 0;\n for (i = 0; i < commitIndices.length; i++) {\n
const commitIndex = commitIndices[i];\n if (selectedCommitIndex === commitIndex) {\n const
{ fiberActualDurations, fiberSelfDurations } =\n profilerStore.getCommitData(((rootID: any): number),
commitIndex);\n const actualDuration = fiberActualDurations.get(id) || 0;\n const selfDuration =
fiberSelfDurations.get(id) || 0;\n renderDurationInfo = (\n <div key={commitIndex}
className={styles.CurrentCommit}>\n {formatDuration(selfDuration)}ms of
{formatDuration(actualDuration)}ms\n </div>\n );\n\n break;\n }\n }\n\n return (\n <Fragment>\n
<div className={styles.Toolbar}>\n <div className={styles.Component}>{name}</div>\n </div>\n
<div className={styles.Content}>\n {renderDurationInfo} || <div>Did not render.</div>\n
</div>\n </Fragment>\n );\n }\n\n"/>** @flow */\n\nimport
* as React from 'react';\n\nimport { useRef } from 'react';\n\nimport styles from './Tooltip.css';\n\nconst
initialTooltipState = { height: 0, mouseX: 0, mouseY: 0, width: 0};\n\nexport default function Tooltip({\n
children,\n className,\n label,\n style,\n}: any): React.Node {\n const containerRef = useRef(null);\n const
tooltipRef = useRef(null);\n\n // update the position of the tooltip based on current mouse position\n const
updateTooltipPosition = (event: SyntheticMouseEvent<EventTarget>) => {\n const element =
tooltipRef.current;\n if (element !== null) {\n // first find the mouse position\n const mousePosition =
getMousePosition(containerRef.current, event);\n // use the mouse position to find the position of tooltip\n
const { left, top } = getTooltipPosition(element, mousePosition);\n // update tooltip position\n element.style.left
= left;\n element.style.top = top;\n }\n };\n\n const onMouseMove = (event:
SyntheticMouseEvent<EventTarget>) => {\n updateTooltipPosition(event);\n };\n\n const tooltipClassName =
label === null ? styles.hidden : '';\n\n return (\n <div\n className={styles.Container}\n
onMouseMove={onMouseMove}\n ref={containerRef}>\n <div\n className={` ${styles.Tooltip}
${tooltipClassName} ${className || ''}`\n ref={tooltipRef}\n style={style}>\n {label}\n </div>\n
{children}\n </div>\n );\n }\n\n\nconst TOOLTIP_OFFSET = 5;\n\n// Method used to find the position of the
tooltip based on current mouse position\nfunction getTooltipPosition(\n element: empty,\n mousePosition: {\n
height: number,\n mouseX: number,\n mouseY: number,\n width: number,\n },\n) {\n const { height, mouseX,
mouseY, width } = mousePosition;\n let top: number | string = 0;\n let left: number | string = 0;\n if (mouseY +
TOOLTIP_OFFSET + element.offsetHeight >= height) {\n if (mouseY - TOOLTIP_OFFSET -
element.offsetHeight > 0) {\n top = `${mouseY - element.offsetHeight - TOOLTIP_OFFSET}px`;\n } else {\n
top = '0px';\n }\n } else {\n top = `${mouseY + TOOLTIP_OFFSET}px`;\n }\n\n if (mouseX +
TOOLTIP_OFFSET + element.offsetWidth >= width) {\n if (mouseX - TOOLTIP_OFFSET -
element.offsetWidth > 0) {\n left = `${mouseX - element.offsetWidth - TOOLTIP_OFFSET}px`;\n } else {\n
left = '0px';\n }\n } else {\n left = `${mouseX + TOOLTIP_OFFSET * 2}px`;\n }\n\n return { left,
top};\n }\n\n// method used to find the current mouse position inside the container\nfunction getMousePosition(\n
relativeContainer: null,\n mouseEvent: SyntheticMouseEvent<EventTarget>,\n) {\n if (relativeContainer !== null)
{\n // Position within the nearest position:relative container.\n let targetContainer = relativeContainer;\n while
(targetContainer.parentElement !== null) {\n if (targetContainer.style.position === 'relative') {\n break;\n }
else {\n targetContainer = targetContainer.parentElement;\n }\n }\n\n const { height, left, top, width } =
targetContainer.getBoundingClientRect();\n\n const mouseX = mouseEvent.clientX - left;\n const mouseY =
mouseEvent.clientY - top;\n return { height, mouseX, mouseY, width};\n } else {\n return
initialTooltipState;\n }\n }\n\n"/>**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n *
@flow\n */\n\nimport * as React from 'react';\n\nimport { forwardRef, useCallback, useContext, useMemo, useState }

```

```

from 'react';\nimport AutoSizer from 'react-virtualized-auto-sizer';\nimport {FixedSizeList} from 'react-
window';\nimport {ProfilerContext} from './ProfilerContext';\nimport NoCommitData from
 './NoCommitData';\nimport CommitFlamegraphListItem from './CommitFlamegraphListItem';\nimport
 HoveredFiberInfo from './HoveredFiberInfo';\nimport {scale} from './utils';\nimport {useHighlightNativeElement}
 from './hooks';\nimport {StoreContext} from './context';\nimport {SettingsContext} from
 './Settings/SettingsContext';\nimport Tooltip from './Tooltip';\n\nimport styles from
 './CommitFlamegraph.css';\n\nimport type {TooltipFiberData} from './HoveredFiberInfo';\nimport type {ChartData,
 ChartNode} from './FlamegraphChartBuilder';\nimport type {CommitTree} from './types';\n\nexport type ItemData
 = {\n chartData: ChartData,\n onElementMouseEnter: (fiberData: TooltipFiberData) => void,\n
 onElementMouseLeave: () => void,\n scaleX: (value: number, fallbackValue: number) => number,\n
 selectedChartNode: ChartNode | null,\n selectedChartNodeIndex: number,\n selectFiber: (id: number | null, name:
 string | null) => void,\n width: number,\n};\n\nexport default function CommitFlamegraphAutoSizer(_: {}):
 React.Node {\n const {profilerStore} = useContext(StoreContext);\n const {rootID, selectedCommitIndex,
 selectFiber} =\n useContext(ProfilerContext);\n const {profilingCache} = profilerStore;\n\n const
 deselectCurrentFiber = useCallback(\n (event: $FlowFixMe) => {\n event.stopPropagation();\n
 selectFiber(null, null);\n },\n [selectFiber],\n );\n\n let commitTree: CommitTree | null = null;\n let chartData:
 ChartData | null = null;\n if (selectedCommitIndex !== null) {\n commitTree =
 profilingCache.getCommitTree({\n commitIndex: selectedCommitIndex,\n rootID: ((rootID: any): number),\n
 });\n\n chartData = profilingCache.getFlamegraphChartData({\n commitIndex: selectedCommitIndex,\n
 commitTree,\n rootID: ((rootID: any): number),\n });\n }\n\n if (commitTree !== null && chartData !== null
 && chartData.depth > 0) {\n return (\n <div className={styles.Container}
 onClick={deselectCurrentFiber}>\n <AutoSizer>\n {{(height, width)} => (\n // Force Flow types to
 avoid checking for `null` here because there's no static proof that\n // by the time this render prop function is
 called, the values of the `let` variables have not changed.\n <CommitFlamegraph\n
 chartData={{(chartData: any): ChartData}}\n commitTree={{(commitTree: any): CommitTree}}\n
 height={height}\n width={width}\n />\n )}\n </AutoSizer>\n </div>\n );\n } else {\n
 return <NoCommitData />;\n }\n}\n\ntype Props = {\n chartData: ChartData,\n commitTree: CommitTree,\n
 height: number,\n width: number,\n};\n\nfunction CommitFlamegraph({chartData, commitTree, height, width}:
 Props) {\n const [hoveredFiberData, setHoveredFiberData] =\n useState<TooltipFiberData | null>(null);\n const
 {lineHeight} = useContext(SettingsContext);\n const {selectFiber, selectedFiberID} =
 useContext(ProfilerContext);\n const {highlightNativeElement, clearHighlightNativeElement} =\n
 useHighlightNativeElement();\n\n const selectedChartNodeIndex = useMemo<number>(() => {\n if
 (selectedFiberID === null) {\n return 0;\n }\n // The selected node might not be in the tree for this commit,\n
 // so it's important that we have a fallback plan.\n const depth = chartData.idToDepthMap.get(selectedFiberID);\n
 return depth !== undefined ? depth - 1 : 0;\n }, [chartData, selectedFiberID]);\n\n const selectedChartNode =
 useMemo(() => {\n if (selectedFiberID !== null) {\n return (\n
 chartData.rows[selectedChartNodeIndex].find(\n chartNode => chartNode.id === selectedFiberID,\n ) ||
 null\n );\n }\n return null;\n }, [chartData, selectedFiberID, selectedChartNodeIndex]);\n\n const
 handleElementMouseEnter = useCallback(\n ({id, name}: $FlowFixMe) => {\n highlightNativeElement(id); //
 Highlight last hovered element.\n setHoveredFiberData({id, name}); // Set hovered fiber data for tooltip\n },\n
 [highlightNativeElement],\n );\n\n const handleElementMouseLeave = useCallback(() => {\n
 clearHighlightNativeElement(); // clear highlighting of element on mouse leave\n setHoveredFiberData(null); //
 clear hovered fiber data for tooltip\n }, [clearHighlightNativeElement]);\n\n const itemData =
 useMemo<ItemData>(\n () => ({\n chartData,\n onElementMouseEnter: handleElementMouseEnter,\n
 onElementMouseLeave: handleElementMouseLeave,\n scaleX: scale(\n 0,\n selectedChartNode !==
 null\n ? selectedChartNode.treeBaseDuration\n : chartData.baseDuration,\n 0,\n width,\n ),\n
 selectedChartNode,\n selectedChartNodeIndex,\n selectFiber,\n width,\n }),\n [\n chartData,\n
 handleElementMouseEnter,\n handleElementMouseLeave,\n selectedChartNode,\n

```



```

profilingCache.getCommitTree({\n  commitIndex: selectedCommitIndex,\n  rootID: ((rootID: any): number),\n  });\n\n chartData = profilingCache.getRankedChartData({\n  commitIndex: selectedCommitIndex,\n  commitTree,\n  rootID: ((rootID: any): number),\n  });\n\n if (commitTree !== null && chartData !== null && chartData.nodes.length > 0) {\n  return (\n    <div className={styles.Container}\n      onClick={deselectCurrentFiber}>\n        <AutoSize>\n          ({height, width}) => (\n            <CommitRanked\n              chartData={((chartData: any): ChartData)}\n              commitTree={((commitTree: any): CommitTree)}\n              height={height}\n              width={width}\n            />\n          )\n        </AutoSize>\n      </div>\n    );\n  } else {\n    return <NoCommitData />;\n  }\n}\n\n type Props = {\n  chartData: ChartData,\n  commitTree: CommitTree,\n  height: number,\n  width: number,\n};\n\n function CommitRanked({ chartData, commitTree, height, width }: Props) {\n  const [hoveredFiberData, setHoveredFiberData] =\n    useState<TooltipFiberData | null>(null);\n  const {lineHeight} = useContext(SettingsContext);\n  const {selectedFiberID, selectFiber} =\n    useContext(ProfilerContext);\n  const {highlightNativeElement, clearHighlightNativeElement} =\n    useHighlightNativeElement();\n  const selectedFiberIndex = useMemo(\n    () => getNodeIndex(chartData, selectedFiberID),\n    [chartData, selectedFiberID],\n  );\n  const handleElementMouseEnter = useCallback(\n    ({id, name}: $FlowFixMe) => {\n      highlightNativeElement(id); // Highlight last hovered element.\n      setHoveredFiberData({id, name}); // Set hovered fiber data for tooltip\n    },\n    [highlightNativeElement],\n  );\n  const handleElementMouseLeave = useCallback(() => {\n    clearHighlightNativeElement(); // clear highlighting of element on mouse leave\n    setHoveredFiberData(null); // clear hovered fiber data for tooltip\n  },\n    [clearHighlightNativeElement]);\n  const itemData = useMemo<ItemData>(\n    () => ({\n      chartData,\n      onElementMouseEnter: handleElementMouseEnter,\n      onElementMouseLeave: handleElementMouseLeave,\n      scaleX: scale(0, chartData.nodes[selectedFiberIndex].value, 0, width),\n      selectedFiberID,\n      selectedFiberIndex,\n      selectFiber,\n      width,\n    }),\n    [\n      chartData,\n      handleElementMouseEnter,\n      handleElementMouseLeave,\n      selectedFiberID,\n      selectedFiberIndex,\n      selectFiber,\n      width,\n    ],\n  );\n  // Tooltip used to show summary of fiber info on hover\n  const tooltipLabel = useMemo(\n    () => (\n      hoveredFiberData !== null ? (\n        <HoveredFiberInfo fiberData={hoveredFiberData} />\n      ) : null,\n      [hoveredFiberData],\n    );\n  return (\n    <Tooltip label={tooltipLabel}>\n      <FixedSizeList\n        height={height}\n        innerElementType="svg"\n        itemCount={chartData.nodes.length}\n        itemData={itemData}\n        itemSize={lineHeight}\n        width={width}>\n        {CommitRankedListItem}\n      </FixedSizeList>\n    </Tooltip>\n  );\n}\n\n const getNodeIndex = (chartData: ChartData, id: number | null): number => {\n  if (id === null) {\n    return 0;\n  }\n  const {nodes} = chartData;\n  for (let index = 0; index < nodes.length; index++) {\n    if (nodes[index].id === id) {\n      return index;\n    }\n  }\n  return 0;\n};\n\n", "/*\n * Copyright (c)\n * Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\n import * as React from 'react';\n\n import {\n  Fragment,\n  useCallback,\n  useContext,\n} from 'react';\n\n import {\n  ProfilerContext,\n} from './ProfilerContext';\n\n import styles from './RootSelector.css';\n\n export default function RootSelector(_: {}): React.Node {\n  const {\n    profilingData,\n    rootID,\n    setRootID,\n  } = useContext(ProfilerContext);\n  const options = [];\n  if (profilingData !== null) {\n    profilingData.dataForRoots.forEach((dataForRoot, id) => {\n      options.push(\n        <option key={id} value={id}>\n          {dataForRoot.displayName}\n        </option>,\n      );\n    });\n  }\n  const handleChange =\n    useCallback(\n      ({currentTarget}: $FlowFixMe) => {\n        setRootID(parseInt(currentTarget.value, 10));\n      },\n      [setRootID],\n    );\n  if (profilingData === null || profilingData.dataForRoots.size <= 1) {\n    // Don't take up visual space if there's only one root.\n    return null;\n  }\n  return (\n    <Fragment>\n      <div\n        className={styles.Spacer}>\n        <select value={rootID} onChange={handleChange}>\n          {options}\n        </select>\n      </Fragment>\n    );\n  }\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\n import * as React from 'react';\n\n import {\n  useContext,\n} from 'react';\n\n import Button from './Button';\n\n import ButtonIcon from './ButtonIcon';\n\n import {\n  ProfilerContext,\n} from './ProfilerContext';\n\n import styles from './RecordToggle.css';\n\n export type Props = {\n  disabled?: boolean,\n};\n\n export default function RecordToggle({disabled}: Props): React.Node {\n  const {\n    isProfiling,\n    startProfiling,\n    stopProfiling,\n  } =\n
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useContext(ProfilerContext);\n\n let className = styles.InactiveRecordToggle;\n if (disabled) {\n  className =
styles.DisabledRecordToggle;\n } else if (isProfiling) {\n  className = styles.ActiveRecordToggle;\n }\n\n return (\n <Button\n  className={className}\n  disabled={disabled}\n  onClick={isProfiling ?
stopProfiling : startProfiling}\n  testName={`ProfilerToggleButton`}\n  title={isProfiling ? 'Stop profiling' :
'Start profiling'}>\n  <ButtonIcon type="record" />\n </Button>\n );\n\n", /**\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport * as React from 'react';\nimport
RecordToggle from './RecordToggle';\n\nimport styles from './Profiler.css';\n\nexport default function
NoProfilingData(): React.Node {\n return (\n <div className={styles.Column}>\n <div
className={styles.Header}>No profiling data has been recorded.</div>\n <div className={styles.Row}>\n
Click the record button <RecordToggle /> to start recording.\n </div>\n <div className={ `${styles.Row}
${styles.LearnMoreRow} `}>\n  Click{' '}\n  <a\n    className={styles.LearnMoreLink}\n
href="https://fb.me/react-devtools-profiling"\n    rel="noopener noreferrer"\n    target="_blank">\n
here\n    </a>{' '}\n    to learn more about profiling.\n  </div>\n </div>\n );\n\n", /**\n * Copyright (c)
Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport * as React from 'react';\nimport
RecordToggle from './RecordToggle';\n\nimport styles from './Profiler.css';\n\nexport default function
RecordingInProgress(): React.Node {\n return (\n <div className={styles.Column}>\n <div
className={styles.Header}>Profiling is in progress...</div>\n <div className={styles.Row}>\n  Click the
record button <RecordToggle /> to stop recording.\n </div>\n </div>\n );\n\n", /**\n * Copyright (c)
Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nexport const DPR: number =
window.devicePixelRatio || 1;\nexport const LABEL_SIZE = 80;\nexport const MARKER_HEIGHT = 20;\nexport
const MARKER_TICK_HEIGHT = 8;\nexport const FONT_SIZE = 10;\nexport const
MARKER_TEXT_PADDING = 8;\nexport const COLOR_HOVER_DIM_DELTA = 5;\nexport const
TOP_ROW_PADDING = 4;\nexport const NATIVE_EVENT_HEIGHT = 14;\nexport const
SUSPENSE_EVENT_HEIGHT = 14;\nexport const PENDING_SUSPENSE_EVENT_SIZE = 8;\nexport const
REACT_EVENT_DIAMETER = 6;\nexport const USER_TIMING_MARK_SIZE = 8;\nexport const
REACT_MEASURE_HEIGHT = 14;\nexport const BORDER_SIZE = 1 / DPR;\nexport const
FLAMECHART_FRAME_HEIGHT = 14;\nexport const TEXT_PADDING = 3;\nexport const
SNAPSHOT_SCRUBBER_SIZE = 3;\nexport const INTERVAL_TIMES = [\n  1, 2, 5, 10, 20, 50, 100, 200, 500,
1000, 2000, 5000,\n];\nexport const MIN_INTERVAL_SIZE_PX = 70;\n\n// TODO Replace this with "export let"
vars\nexport let COLORS: {\n  BACKGROUND: string,\n  INTERNAL_MODULE_FRAME: string,\n
INTERNAL_MODULE_FRAME_HOVER: string,\n  INTERNAL_MODULE_FRAME_TEXT: string,\n
NATIVE_EVENT: string,\n  NATIVE_EVENT_HOVER: string,\n  NETWORK_PRIMARY: string,\n
NETWORK_PRIMARY_HOVER: string,\n  NETWORK_SECONDARY: string,\n
NETWORK_SECONDARY_HOVER: string,\n  PRIORITY_BACKGROUND: string,\n  PRIORITY_BORDER:
string,\n  PRIORITY_LABEL: string,\n  REACT_COMMIT: string,\n  REACT_COMMIT_HOVER: string,\n
REACT_COMMIT_TEXT: string,\n  REACT_IDLE: string,\n  REACT_IDLE_HOVER: string,\n
REACT_LAYOUT_EFFECTS: string,\n  REACT_LAYOUT_EFFECTS_HOVER: string,\n
REACT_LAYOUT_EFFECTS_TEXT: string,\n  REACT_PASSIVE_EFFECTS: string,\n
REACT_PASSIVE_EFFECTS_HOVER: string,\n  REACT_PASSIVE_EFFECTS_TEXT: string,\n
REACT_RENDER: string,\n  REACT_RENDER_HOVER: string,\n  REACT_RENDER_TEXT: string,\n
REACT_RESIZE_BAR: string,\n  REACT_RESIZE_BAR_ACTIVE: string,\n
REACT_RESIZE_BAR_BORDER: string,\n  REACT_RESIZE_BAR_DOT: string,\n  REACT_SCHEDULE:
string,\n  REACT_SCHEDULE_HOVER: string,\n  REACT_SUSPENSE_REJECTED_EVENT: string,\n
REACT_SUSPENSE_REJECTED_EVENT_HOVER: string,\n  REACT_SUSPENSE_RESOLVED_EVENT:
string,\n  REACT_SUSPENSE_RESOLVED_EVENT_HOVER: string,\n

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REACT_SUSPENSE_UNRESOLVED_EVENT: string,\n
REACT_SUSPENSE_UNRESOLVED_EVENT_HOVER: string,\n REACT_THROWN_ERROR: string,\n
REACT_THROWN_ERROR_HOVER: string,\n REACT_WORK_BORDER: string,\n SCROLL_CARET:
string,\n SCRUBBER_BACKGROUND: string,\n SCRUBBER_BORDER: string,\n SEARCH_RESULT_FILL:
string,\n TEXT_COLOR: string,\n TEXT_DIM_COLOR: string,\n TIME_MARKER_LABEL: string,\n
USER_TIMING: string,\n USER_TIMING_HOVER: string,\n WARNING_BACKGROUND: string,\n
WARNING_BACKGROUND_HOVER: string,\n WARNING_TEXT: string,\n WARNING_TEXT_INVERED:
string,\n} = {\n BACKGROUND: ",\n INTERNAL_MODULE_FRAME: ",\n
INTERNAL_MODULE_FRAME_HOVER: ",\n INTERNAL_MODULE_FRAME_TEXT: ",\n
NATIVE_EVENT: ",\n NATIVE_EVENT_HOVER: ",\n NETWORK_PRIMARY: ",\n
NETWORK_PRIMARY_HOVER: ",\n NETWORK_SECONDARY: ",\n NETWORK_SECONDARY_HOVER:
",\n PRIORITY_BACKGROUND: ",\n PRIORITY_BORDER: ",\n PRIORITY_LABEL: ",\n USER_TIMING:
",\n USER_TIMING_HOVER: ",\n REACT_IDLE: ",\n REACT_IDLE_HOVER: ",\n REACT_RENDER: ",\n
REACT_RENDER_HOVER: ",\n REACT_RENDER_TEXT: ",\n REACT_COMMIT: ",\n
REACT_COMMIT_HOVER: ",\n REACT_COMMIT_TEXT: ",\n REACT_LAYOUT_EFFECTS: ",\n
REACT_LAYOUT_EFFECTS_HOVER: ",\n REACT_LAYOUT_EFFECTS_TEXT: ",\n
REACT_PASSIVE_EFFECTS: ",\n REACT_PASSIVE_EFFECTS_HOVER: ",\n
REACT_PASSIVE_EFFECTS_TEXT: ",\n REACT_RESIZE_BAR: ",\n REACT_RESIZE_BAR_ACTIVE: ",\n
REACT_RESIZE_BAR_BORDER: ",\n REACT_RESIZE_BAR_DOT: ",\n REACT_SCHEDULE: ",\n
REACT_SCHEDULE_HOVER: ",\n REACT_SUSPENSE_REJECTED_EVENT: ",\n
REACT_SUSPENSE_REJECTED_EVENT_HOVER: ",\n REACT_SUSPENSE_RESOLVED_EVENT: ",\n
REACT_SUSPENSE_RESOLVED_EVENT_HOVER: ",\n REACT_SUSPENSE_UNRESOLVED_EVENT: ",\n
REACT_SUSPENSE_UNRESOLVED_EVENT_HOVER: ",\n REACT_THROWN_ERROR: ",\n
REACT_THROWN_ERROR_HOVER: ",\n REACT_WORK_BORDER: ",\n SCROLL_CARET: ",\n
SCRUBBER_BACKGROUND: ",\n SCRUBBER_BORDER: ",\n SEARCH_RESULT_FILL: ",\n
TEXT_COLOR: ",\n TEXT_DIM_COLOR: ",\n TIME_MARKER_LABEL: ",\n WARNING_BACKGROUND:
",\n WARNING_BACKGROUND_HOVER: ",\n WARNING_TEXT: ",\n WARNING_TEXT_INVERED:
",\n};\n\nexport function updateColorsToMatchTheme(element: Element): boolean {\n  const computedStyle =
getComputedStyle(element);\n\n  // Check to see if styles have been initialized...\n  if
(computedStyle.getPropertyValue('--color-background') == null) {\n    return false;\n  }\n\n  COLORS = {\n
BACKGROUND: computedStyle.getPropertyValue('--color-background'),\n  INTERNAL_MODULE_FRAME:
computedStyle.getPropertyValue(\n    '--color-timeline-internal-module',\n    ),\n
INTERNAL_MODULE_FRAME_HOVER: computedStyle.getPropertyValue(\n    '--color-timeline-internal-
module-hover',\n    ),\n  INTERNAL_MODULE_FRAME_TEXT: computedStyle.getPropertyValue(\n    '--color-
timeline-internal-module-text',\n    ),\n  NATIVE_EVENT: computedStyle.getPropertyValue(\n    '--color-
timeline-native-event',\n    ),\n  NATIVE_EVENT_HOVER: computedStyle.getPropertyValue(\n    '--color-
timeline-native-event-hover',\n    ),\n  NETWORK_PRIMARY: computedStyle.getPropertyValue(\n    '--color-
timeline-network-primary',\n    ),\n  NETWORK_PRIMARY_HOVER: computedStyle.getPropertyValue(\n    '--
color-timeline-network-primary-hover',\n    ),\n  NETWORK_SECONDARY: computedStyle.getPropertyValue(\n
    '--color-timeline-network-secondary',\n    ),\n  NETWORK_SECONDARY_HOVER:
computedStyle.getPropertyValue(\n    '--color-timeline-network-secondary-hover',\n    ),\n
PRIORITY_BACKGROUND: computedStyle.getPropertyValue(\n    '--color-timeline-priority-background',\n
    ),\n  PRIORITY_BORDER: computedStyle.getPropertyValue(\n    '--color-timeline-priority-border',\n
    ),\n  PRIORITY_LABEL: computedStyle.getPropertyValue('--color-text'),\n  USER_TIMING:
computedStyle.getPropertyValue('--color-timeline-user-timing'),\n  USER_TIMING_HOVER:
computedStyle.getPropertyValue(\n    '--color-timeline-user-timing-hover',\n    ),\n  REACT_IDLE:
computedStyle.getPropertyValue('--color-timeline-react-idle'),\n  REACT_IDLE_HOVER:
computedStyle.getPropertyValue(\n    '--color-timeline-react-idle-hover',\n    ),\n  REACT_RENDER:

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computedStyle.getPropertyValue(\n '--color-timeline-react-render',\n ),\n REACT_RENDER_HOVER:
computedStyle.getPropertyValue(\n '--color-timeline-react-render-hover',\n ),\n REACT_RENDER_TEXT:
computedStyle.getPropertyValue(\n '--color-timeline-react-render-text',\n ),\n REACT_COMMIT:
computedStyle.getPropertyValue(\n '--color-timeline-react-commit',\n ),\n REACT_COMMIT_HOVER:
computedStyle.getPropertyValue(\n '--color-timeline-react-commit-hover',\n ),\n REACT_COMMIT_TEXT:
computedStyle.getPropertyValue(\n '--color-timeline-react-commit-text',\n ),\n
REACT_LAYOUT_EFFECTS: computedStyle.getPropertyValue(\n '--color-timeline-react-layout-effects',\n
),\n REACT_LAYOUT_EFFECTS_HOVER: computedStyle.getPropertyValue(\n '--color-timeline-react-
layout-effects-hover',\n ),\n REACT_LAYOUT_EFFECTS_TEXT: computedStyle.getPropertyValue(\n '--
color-timeline-react-layout-effects-text',\n ),\n REACT_PASSIVE_EFFECTS:
computedStyle.getPropertyValue(\n '--color-timeline-react-passive-effects',\n ),\n
REACT_PASSIVE_EFFECTS_HOVER: computedStyle.getPropertyValue(\n '--color-timeline-react-passive-
effects-hover',\n ),\n REACT_PASSIVE_EFFECTS_TEXT: computedStyle.getPropertyValue(\n '--color-
timeline-react-passive-effects-text',\n ),\n REACT_RESIZE_BAR: computedStyle.getPropertyValue('--color-
resize-bar'),\n REACT_RESIZE_BAR_ACTIVE: computedStyle.getPropertyValue(\n '--color-resize-bar-
active',\n ),\n REACT_RESIZE_BAR_BORDER: computedStyle.getPropertyValue(\n '--color-resize-bar-
border',\n ),\n REACT_RESIZE_BAR_DOT: computedStyle.getPropertyValue(\n '--color-resize-bar-dot',\n
),\n REACT_SCHEDULE: computedStyle.getPropertyValue(\n '--color-timeline-react-schedule',\n ),\n
REACT_SCHEDULE_HOVER: computedStyle.getPropertyValue(\n '--color-timeline-react-schedule-hover',\n
),\n REACT_SUSPENSE_REJECTED_EVENT: computedStyle.getPropertyValue(\n '--color-timeline-react-
suspense-rejected',\n ),\n REACT_SUSPENSE_REJECTED_EVENT_HOVER:
computedStyle.getPropertyValue(\n '--color-timeline-react-suspense-rejected-hover',\n ),\n
REACT_SUSPENSE_RESOLVED_EVENT: computedStyle.getPropertyValue(\n '--color-timeline-react-
suspense-resolved',\n ),\n REACT_SUSPENSE_RESOLVED_EVENT_HOVER:
computedStyle.getPropertyValue(\n '--color-timeline-react-suspense-resolved-hover',\n ),\n
REACT_SUSPENSE_UNRESOLVED_EVENT: computedStyle.getPropertyValue(\n '--color-timeline-react-
suspense-unresolved',\n ),\n REACT_SUSPENSE_UNRESOLVED_EVENT_HOVER:
computedStyle.getPropertyValue(\n '--color-timeline-react-suspense-unresolved-hover',\n ),\n
REACT_THROWN_ERROR: computedStyle.getPropertyValue(\n '--color-timeline-thrown-error',\n ),\n
REACT_THROWN_ERROR_HOVER: computedStyle.getPropertyValue(\n '--color-timeline-thrown-error-
hover',\n ),\n REACT_WORK_BORDER: computedStyle.getPropertyValue(\n '--color-timeline-react-work-
border',\n ),\n SCROLL_CARET: computedStyle.getPropertyValue('--color-scroll-caret'),\n
SCRUBBER_BACKGROUND: computedStyle.getPropertyValue(\n '--color-timeline-react-suspense-rejected',\n
),\n SEARCH_RESULT_FILL: computedStyle.getPropertyValue(\n '--color-timeline-react-suspense-
rejected',\n ),\n SCRUBBER_BORDER: computedStyle.getPropertyValue(\n '--color-timeline-text-color',\n
),\n TEXT_COLOR: computedStyle.getPropertyValue('--color-timeline-text-color'),\n TEXT_DIM_COLOR:
computedStyle.getPropertyValue(\n '--color-timeline-text-dim-color',\n ),\n TIME_MARKER_LABEL:
computedStyle.getPropertyValue('--color-text'),\n WARNING_BACKGROUND:
computedStyle.getPropertyValue(\n '--color-warning-background',\n ),\n
WARNING_BACKGROUND_HOVER: computedStyle.getPropertyValue(\n '--color-warning-background-
hover',\n ),\n WARNING_TEXT: computedStyle.getPropertyValue('--color-warning-text-color'),\n
WARNING_TEXT_INVERED: computedStyle.getPropertyValue(\n '--color-warning-text-color-inverted',\n
),\n );\n\n return true;\n}\n", "function areInputsEqual(newInputs, lastInputs) {\n if (newInputs.length !==
lastInputs.length) {\n return false;\n }\n for (var i = 0; i < newInputs.length; i++) {\n if (newInputs[i]
!== lastInputs[i]) {\n return false;\n }\n }\n return true;\n}\n\nfunction memoizeOne(resultFn,
isEqual) {\n if (isEqual === void 0) { isEqual = areInputsEqual; }\n var lastThis;\n var lastArgs = [];\n var
lastResult;\n var calledOnce = false;\n function memoized() {\n var newArgs = [];\n for (var _i = 0; _i <
arguments.length; _i++) {\n newArgs[_i] = arguments[_i];\n }\n if (calledOnce && lastThis === this

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&& isEqual(newArgs, lastArgs)) {\n      return lastResult;\n    }\n    lastResult = resultFn.apply(this,\n    newArgs);\n    calledOnce = true;\n    lastThis = this;\n    lastArgs = newArgs;\n    return lastResult;\n  }\n  return memoized;\n}\n\nexport default memoizeOne;\n"/**\n * Copyright (c) Meta Platforms, Inc. and\n affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root\n directory of this source tree.\n *\n * @flow\n */\n\nexport type Point = $ReadOnly<{x: number, y:\n number}>;\nexport type Size = $ReadOnly<{width: number, height: number}>;\nexport type IntrinsicSize = {\n ..Size,\n // If content is this height or less, hide the scrollbar entirely,\n // so that it doesn't take up vertical space\n unnecessarily (e.g. for a single row of content).\n hideScrollBarIfLessThanHeight?: number,\n // The initial\n height should be the height of the content, or this, whichever is less.\n maxHeight?: number,\n};\nexport type\n Rect = $ReadOnly<{origin: Point, size: Size}>;\n\n/**\n * Alternative representation of `Rect`.\n * A tuple of\n (`top`, `right`, `bottom`, `left`)\n coordinates.\n */\nexport type Box = [number, number, number, number];\n\nexport const\n zeroPoint: Point = Object.freeze({x: 0, y: 0});\nexport const\n zeroSize: Size = Object.freeze({width: 0, height:\n 0});\nexport const\n zeroRect: Rect = Object.freeze({\n  origin: zeroPoint,\n  size: zeroSize,\n});\nexport function\n pointEqualToPoint(point1: Point, point2: Point): boolean {\n  return point1.x === point2.x && point1.y ===\n  point2.y;\n}\nexport function\n sizeEqualToSize(size1: Size, size2: Size): boolean {\n  return size1.width ===\n  size2.width && size1.height === size2.height;\n}\n\nexport function\n rectEqualToRect(rect1: Rect, rect2: Rect):\n boolean {\n  return (\n    pointEqualToPoint(rect1.origin, rect2.origin) &&\n    sizeEqualToSize(rect1.size,\n    rect2.size)\n  );\n}\n\nexport function\n sizeIsValid({width, height}: Size): boolean {\n  return width >= 0 && height\n >= 0;\n}\n\nexport function\n sizeIsEmpty({width, height}: Size): boolean {\n  return width <= 0 || height <=\n  0;\n}\n\nfunction\n rectToBox(rect: Rect): Box {\n  const top = rect.origin.y;\n  const right = rect.origin.x +\n  rect.size.width;\n  const bottom = rect.origin.y + rect.size.height;\n  const left = rect.origin.x;\n  return [top, right,\n  bottom, left];\n}\n\nfunction\n boxToRect(box: Box): Rect {\n  const [top, right, bottom, left] = box;\n  return {\n    origin: {\n      x: left,\n      y: top,\n    },\n    size: {\n      width: right - left,\n      height: bottom - top,\n    },\n  };\n}\n\nexport function\n rectIntersectsRect(rect1: Rect, rect2: Rect): boolean {\n  if (\n    rect1.size.width === 0 ||\n    rect1.size.height === 0 ||\n    rect2.size.width === 0 ||\n    rect2.size.height === 0\n  ) {\n    return false;\n  }\n  const [top1, right1, bottom1, left1] = rectToBox(rect1);\n  const [top2, right2, bottom2, left2] = rectToBox(rect2);\n  return !(\n    right1 < left2 ||\n    right2 < left1 ||\n    bottom1 < top2 ||\n    bottom2 < top1\n  );\n}\n\n/**\n * Returns\n the intersection of the 2 rectangles.\n *\n * Prerequisite: `rect1` must intersect with `rect2`.\n */\nexport function\n intersectionOfRects(rect1: Rect, rect2: Rect): Rect {\n  const [top1, right1, bottom1, left1] = rectToBox(rect1);\n  const [top2, right2, bottom2, left2] = rectToBox(rect2);\n  return boxToRect([\n    Math.max(top1, top2),\n    Math.min(right1, right2),\n    Math.min(bottom1, bottom2),\n    Math.max(left1, left2),\n  ]);\n}\n\nexport function\n rectContainsPoint({x, y}: Point, rect: Rect): boolean {\n  const [top, right, bottom, left] = rectToBox(rect);\n  return\n  left <= x && x <= right && top <= y && y <= bottom;\n}\n\n/**\n * Returns the smallest rectangle that contains all\n provided rects.\n *\n * @returns Union of `rects`. If `rects` is empty, returns `zeroRect`.\n */\nexport function\n unionOfRects(...rects: Rect[]): Rect {\n  if (rects.length === 0) {\n    return zeroRect;\n  }\n  const [firstRect,\n  ...remainingRects] = rects;\n  const boxUnion = remainingRects\n    .map(rectToBox)\n    .reduce((intermediateUnion, nextBox): Box => {\n      const [unionTop, unionRight, unionBottom, unionLeft] =\n        intermediateUnion;\n      const [nextTop, nextRight, nextBottom, nextLeft] = nextBox;\n      return [\n        Math.min(unionTop, nextTop),\n        Math.max(unionRight, nextRight),\n        Math.max(unionBottom,\n        nextBottom),\n        Math.min(unionLeft, nextLeft),\n      ];\n    }, rectToBox(firstRect));\n  return\n  boxToRect(boxUnion);\n}\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is\n licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport type {Interaction} from './useCanvasInteraction';\nimport type {Size} from\n './geometry';\nimport memoize from 'memoize-one';\nimport {View} from './View';\nimport {zeroPoint} from\n './geometry';\nimport {DPR} from './content-views/constants';\nexport type ViewRefs = {\n  activeView: View | null,\n  hoveredView: View | null,\n};\n\n// hidpi canvas:\nhttps://www.html5rocks.com/en/tutorials/canvas/hidpi/\nfunction\n configureRetinaCanvas(\n  canvas:\n  HTMLCanvasElement,\n  height: number,\n  width: number,\n) {\n  canvas.width = width * DPR;\n  canvas.height

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= height * DPR;\n canvas.style.width = `${width}px`;\n canvas.style.height = `${height}px`;\n\nconst
getCanvasContext = memoize(\n (\n canvas: HTMLCanvasElement,\n height: number,\n width: number,\n
scaleCanvas: boolean = true,\n ): CanvasRenderingContext2D => {\n const context = canvas.getContext('2d',
{alpha: false});\n if (scaleCanvas) {\n configureRetinaCanvas(canvas, height, width);\n\n // Scale all
drawing operations by the dpr, so you don't have to worry about the difference.\n context.scale(DPR, DPR);\n
}\n return context;\n },\n);\n\ninterface ResetHoveredEventFn = () => void;\n\n/**\n * Represents the canvas surface
and a view heirarchy. A surface is also the\n * place where all interactions enter the view heirarchy.\n */\nexport
class Surface {\n rootView: ?View;\n _context: ?CanvasRenderingContext2D;\n _canvasSize: ?Size;\n\n
_resetHoveredEvent: ResetHoveredEventFn;\n\n _viewRefs: ViewRefs = {\n activeView: null,\n hoveredView:
null,\n };\n\n constructor(resetHoveredEvent: ResetHoveredEventFn) {\n this._resetHoveredEvent =
resetHoveredEvent;\n }\n\n hasActiveView(): boolean {\n return this._viewRefs.activeView !== null;\n }\n\n
setCanvas(canvas: HTMLCanvasElement, canvasSize: Size) {\n this._context = getCanvasContext(\n canvas,\n
canvasSize.height,\n canvasSize.width,\n );\n this._canvasSize = canvasSize;\n\n if (this.rootView) {\n
this.rootView.setNeedsDisplay();\n }\n }\n\n displayIfNeeded() {\n const {rootView, _canvasSize, _context} =
this;\n if (!rootView || !_context || !_canvasSize) {\n return;\n }\n rootView.setFrame({\n origin:
zeroPoint,\n size: _canvasSize,\n });\n rootView.setVisibleArea({\n origin: zeroPoint,\n size:
_canvasSize,\n });\n rootView.displayIfNeeded(_context, this._viewRefs);\n }\n\n getCursor(): string |
null {\n const {activeView, hoveredView} = this._viewRefs;\n if (activeView !== null) {\n return
activeView.currentCursor;\n } else if (hoveredView !== null) {\n return hoveredView.currentCursor;\n } else
{\n return null;\n }\n }\n\n handleInteraction(interaction: Interaction) {\n const rootView = this.rootView;\n
if (rootView !== null) {\n const viewRefs = this._viewRefs;\n switch (interaction.type) {\n case
'mousemove':\n case 'wheel-control':\n case 'wheel-meta':\n case 'wheel-plain':\n case 'wheel-
shift':\n // Clean out the hovered view before processing this type of interaction.\n const hoveredView =
viewRefs.hoveredView;\n viewRefs.hoveredView = null;\n\n
rootView.handleInteractionAndPropagateToSubviews(\n interaction,\n viewRefs,\n );\n\n //
If a previously hovered view is no longer hovered, update the outer state.\n if (hoveredView !== null &&
viewRefs.hoveredView === null) {\n this._resetHoveredEvent();\n }\n break;\n default:\n
rootView.handleInteractionAndPropagateToSubviews(\n interaction,\n viewRefs,\n );\n
break;\n }\n }\n }\n }\n\n", /**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n *
*/\n\nimport type {Rect} from './geometry';\nimport type {View} from './View';\n\nexport type LayoutInfo
= {view: View, frame: Rect};\nexport type Layout = LayoutInfo[];\n\n/**\n * A function that takes a list of
subviews, currently laid out in\n * `existingLayout`, and lays them out into `containingFrame`.\n *\nexport type
Layouter = (\n existingLayout: Layout,\n containingFrame: Rect,\n ) => Layout;\n\nfunction
viewToLayoutInfo(view: View): LayoutInfo {\n return {view, frame: view.frame};\n }\n\nexport function
viewsToLayout(views: View[]): Layout {\n return views.map(viewToLayoutInfo);\n }\n\n/**\n * Applies `layout`'s
`frame`s to its corresponding `view`.\n *\nexport function collapseLayoutIntoViews(layout: Layout) {\n
layout.forEach(({view, frame}) => view.setFrame(frame));\n }\n\n/**\n * A no-operation layout; does not modify
the layout.\n *\nexport const noopLayout: Layouter = layout => layout;\n\n/**\n * Layer views on top of each
other. All views' frames will be set to `containerFrame`.\n *\n * Equivalent to composing:\n * -
`alignToContainerXLayout`,\n * - `alignToContainerYLayout`,\n * - `containerWidthLayout`, and\n * -
`containerHeightLayout`.\n *\nexport const layeredLayout: Layouter = (layout, containerFrame) => {\n return
layout.map(layoutInfo => ({...layoutInfo, frame: containerFrame}));\n }\n\n/**\n * Stacks `views` vertically in
`frame`.\n *\n * All views in `views` will have their widths set to the frame's width.\n *\nexport const
verticallyStackedLayout: Layouter = (layout, containerFrame) => {\n let currentY = containerFrame.origin.y;\n
return layout.map(layoutInfo => {\n const desiredSize = layoutInfo.view.desiredSize();\n const height =
desiredSize\n ? desiredSize.height\n : containerFrame.origin.y + containerFrame.size.height - currentY;\n
const proposedFrame = {\n origin: {x: containerFrame.origin.x, y: currentY},\n size: {width:

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containerFrame.size.width, height},\n  });\n  currentY += height;\n  return {\n    ...layoutInfo,\n    frame:
proposedFrame,\n  });\n});\n\n/**\n * A layouter that aligns all frames' lefts to the container frame's left.\n */\nexport const alignToContainerXLayout: Layouter = (layout, containerFrame) => {\n  return
layout.map(layoutInfo => ({\n    ...layoutInfo,\n    frame: {\n      origin: {\n        x: containerFrame.origin.x,\n        y:
layoutInfo.frame.origin.y,\n      },\n      size: layoutInfo.frame.size,\n    },\n  }));\n});\n\n/**\n * A layouter that aligns
all frames' tops to the container frame's top.\n */\nexport const alignToContainerYLayout: Layouter = (layout,
containerFrame) => {\n  return layout.map(layoutInfo => ({\n    ...layoutInfo,\n    frame: {\n      origin: {\n        x:
layoutInfo.frame.origin.x,\n        y: containerFrame.origin.y,\n      },\n      size: layoutInfo.frame.size,\n    },\n  }
));\n});\n\n/**\n * A layouter that sets all frames' widths to `containerFrame.size.width`.\n */\nexport const
containerWidthLayout: Layouter = (layout, containerFrame) => {\n  return layout.map(layoutInfo => ({\n    ...layoutInfo,\n    frame: {\n      origin: layoutInfo.frame.origin,\n      size: {\n        width:
containerFrame.size.width,\n        height: layoutInfo.frame.size.height,\n      },\n    },\n  }));\n});\n\n/**\n * A
layouter that sets all frames' heights to `containerFrame.size.height`.\n */\nexport const containerHeightLayout:
Layouter = (layout, containerFrame) => {\n  return layout.map(layoutInfo => ({\n    ...layoutInfo,\n    frame: {\n      origin: layoutInfo.frame.origin,\n      size: {\n        width: layoutInfo.frame.size.width,\n        height:
containerFrame.size.height,\n      },\n    },\n  }));\n});\n\n/**\n * A layouter that sets all frames' heights to the desired
height of its view.\n * If the view has no desired size, the frame's height is set to 0.\n */\nexport const
desiredHeightLayout: Layouter = layout => {\n  return layout.map(layoutInfo => {\n    const desiredSize =
layoutInfo.view.desiredSize();\n    const height = desiredSize ? desiredSize.height : 0;\n    return {\n      ...layoutInfo,\n      frame: {\n        origin: layoutInfo.frame.origin,\n        size: {\n          width:
layoutInfo.frame.size.width,\n          height,\n        },\n      },\n    });\n  });\n});\n\n/**\n * A layouter that sets all
frames' heights to the height of the tallest frame.\n */\nexport const uniformMaxSubviewHeightLayout: Layouter =
layout => {\n  const maxHeight = Math.max(\n    ...layout.map(layoutInfo => layoutInfo.frame.size.height),\n  );\n  return layout.map(layoutInfo => ({\n    ...layoutInfo,\n    frame: {\n      origin: layoutInfo.frame.origin,\n      size: {\n        width: layoutInfo.frame.size.width,\n        height: maxHeight,\n      },\n    },\n  }));\n});\n\n/**\n * A layouter that
sets heights in this fashion:\n * - If a frame's height >= `containerFrame.size.height`, the frame is left unchanged.\n *
- Otherwise, sets the frame's height to `containerFrame.size.height`.\n */\nexport const
atLeastContainerHeightLayout: Layouter = (\n  layout,\n  containerFrame,\n) => {\n  return layout.map(layoutInfo
=> ({\n    ...layoutInfo,\n    frame: {\n      origin: layoutInfo.frame.origin,\n      size: {\n        width:
layoutInfo.frame.size.width,\n        height: Math.max(\n          containerFrame.size.height,\n          layoutInfo.frame.size.height,\n        ),\n      },\n    },\n  }));\n});\n\n/**\n * Create a layouter that applies each layouter
in `layouters` in sequence.\n */\nexport function createComposedLayout(...layouters: Layouter[]): Layouter {\n  if
(layouters.length === 0) {\n    return noopLayout;\n  }\n  const composedLayout: Layouter = (layout,
containerFrame) => {\n    return layouters.reduce(\n      (intermediateLayout, layouter) =>\n        layouter(intermediateLayout, containerFrame),\n      layout,\n    );\n  };\n  return composedLayout;\n}\n\n"/**\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n */\n\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n */\n\n * @flow\n */\n\nimport type {Interaction}
from './useCanvasInteraction';\nimport type {IntrinsicSize, Rect, Size} from './geometry';\nimport type {Layouter}
from './layouter';\nimport type {ViewRefs} from './Surface';\nimport {Surface} from './Surface';\nimport {\n  rectEqualToRect,\n  intersectionOfRects,\n  rectIntersectsRect,\n  sizeIsEmpty,\n  sizeIsValid,\n  unionOfRects,\n  zeroRect,\n} from './geometry';\nimport {noopLayout, viewsToLayout, collapseLayoutIntoViews} from
'./layouter';\n\n/**\n * Base view class that can be subclassed to draw custom content or manage\n * subclasses.\n */\nexport class View {\n  _backgroundColor: string | null;\n  currentCursor: string | null = null;\n  surface:
Surface;\n  frame: Rect;\n  visibleArea: Rect;\n  superview: ?View;\n  subviews: View[] = [];\n\n  /**\n   * An
injected function that lays out our subviews.\n   * @private\n   */\n  _layouter: Layouter;\n\n  /**\n   * Whether this
view needs to be drawn.\n   * @private\n   * NOTE: Do not set directly! Use `setNeedsDisplay`.\n   */\n  @see
setNeedsDisplay\n  @private\n  _needsDisplay: boolean = true;\n\n  /**\n   * Whether the hierarchy below
this view has subviews that need display.\n   * @private\n   * NOTE: Do not set directly! Use `setSubviewsNeedDisplay`.\n

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*\n * @see setSubviewsNeedDisplay\n * @private\n */\n _subviewsNeedDisplay: boolean = false;\n\n constructor(\n surface: Surface,\n frame: Rect,\n layouter: Layouter = noopLayout,\n visibleArea: Rect =\n frame,\n backgroundColor?: string | null = null,\n ) {\n this._backgroundColor = backgroundColor || null;\n this.surface = surface;\n this.frame = frame;\n this._layouter = layouter;\n this.visibleArea = visibleArea;\n }\n\n /**\n * Invalidates view's contents.\n *\n * Downward propagating; once called, all subviews of this view\n should also\n * be invalidated.\n */\n setNeedsDisplay() {\n this._needsDisplay = true;\n if (this.superview)\n {\n this.superview._setSubviewsNeedDisplay();\n }\n this.subviews.forEach(subview =>\n subview.setNeedsDisplay());\n }\n\n /**\n * Informs superview that it has subviews that need to be drawn.\n *\n * Upward propagating; once called, all supervIEWS of this view should also\n * have `subviewsNeedDisplay` =\n true.\n */\n * @private\n */\n _setSubviewsNeedDisplay() {\n this._subviewsNeedDisplay = true;\n if\n (this.superview) {\n this.superview._setSubviewsNeedDisplay();\n }\n }\n\n setFrame(newFrame: Rect) {\n if (!rectEqualToRect(this.frame, newFrame)) {\n this.frame = newFrame;\n if (sizeIsValid(newFrame.size))\n {\n this.frame = newFrame;\n } else {\n this.frame = zeroRect;\n }\n this.setNeedsDisplay();\n }\n }\n\n setVisibleArea(newVisibleArea: Rect) {\n if (!rectEqualToRect(this.visibleArea, newVisibleArea)) {\n if (sizeIsValid(newVisibleArea.size)) {\n this.visibleArea = newVisibleArea;\n } else {\n this.visibleArea = zeroRect;\n }\n this.setNeedsDisplay();\n }\n }\n\n /**\n * A size that can be used as a\n hint by layout functions.\n *\n * Implementations should typically return the intrinsic content size or a\n * size\n that fits all the view's content.\n *\n * The default implementation returns a size that fits all the view's\n * subviews.\n *\n * Can be overridden by subclasses.\n */\n desiredSize(): Size | IntrinsicSize {\n if\n (this._needsDisplay) {\n this.layoutSubviews();\n }\n const frames = this.subviews.map(subview =>\n subview.frame);\n return unionOfRects(...frames).size;\n }\n\n /**\n * Appends `view` to the list of this view's\n `subviews`.\n */\n addSubview(view: View) {\n if (this.subviews.includes(view)) {\n return;\n }\n this.subviews.push(view);\n view.superview = this;\n }\n\n /**\n * Breaks the subview-superview relationship\n between `view` and this view, if\n * `view` is a subview of this view.\n */\n removeSubview(view: View) {\n const subviewIndex = this.subviews.indexOf(view);\n if (subviewIndex === -1) {\n return;\n }\n view.superview = undefined;\n this.subviews.splice(subviewIndex, 1);\n }\n\n /**\n * Removes all subviews\n from this view.\n */\n removeAllSubviews() {\n this.subviews.forEach(subview => (subview.superview =\n undefined));\n this.subviews = [];\n }\n\n /**\n * Executes the display flow if this view needs to be drawn.\n *\n * 1. Lays out subviews with `layoutSubviews`.\n * 2. Draws content with `draw`.\n */\n displayIfNeeded(context: CanvasRenderingContext2D, viewRefs: ViewRefs) {\n if (\n (this._needsDisplay ||\n this._subviewsNeedDisplay) &&\n rectIntersectsRect(this.frame, this.visibleArea) &&\n !sizeIsEmpty(this.visibleArea.size)\n ) {\n this.layoutSubviews();\n if (this._needsDisplay) {\n this._needsDisplay = false;\n }\n if (this._subviewsNeedDisplay) this._subviewsNeedDisplay = false;\n\n //\n Clip anything drawn by the view to prevent it from overflowing its visible area.\n const visibleArea =\n this.visibleArea;\n const region = new Path2D();\n region.rect(\n visibleArea.origin.x,\n visibleArea.origin.y,\n visibleArea.size.width,\n visibleArea.size.height,\n );\n context.save();\n context.clip(region);\n context.beginPath();\n this.draw(context, viewRefs);\n // Stop clipping\n context.restore();\n }\n }\n\n /**\n * Layout self and subviews.\n *\n * Implementations should call\n `setNeedsDisplay` if a draw is required.\n *\n * The default implementation uses `this.layouter` to lay out\n subviews.\n *\n * Can be overwritten by subclasses that wish to manually manage their\n * subviews' layout.\n *\n * NOTE: Do not call directly! Use `displayIfNeeded`.\n */\n * @see displayIfNeeded\n */\n layoutSubviews() {\n const {frame, _layouter, subviews, visibleArea} = this;\n const existingLayout =\n viewsToLayout(subviews);\n const newLayout = _layouter(existingLayout, frame);\n collapseLayoutIntoViews(newLayout);\n subviews.forEach((subview, subviewIndex) => {\n if\n (rectIntersectsRect(visibleArea, subview.frame)) {\n subview.setVisibleArea(intersectionOfRects(visibleArea,\n subview.frame));\n } else {\n subview.setVisibleArea(zeroRect);\n }\n });\n }\n\n /**\n * Draw the\n contents of this view in the given canvas `context`.\n *\n * Defaults to drawing this view's `subviews`.\n *\n * To be overwritten by subclasses that wish to draw custom content.\n *\n * NOTE: Do not call directly! Use

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`displayIfNeeded`.n *n * @see displayIfNeeded.n */n draw(context: CanvasRenderingContext2D, viewRefs:
ViewRefs) {n const {subviews, visibleArea} = this;n subviews.forEach(subview => {n if
(rectIntersectsRect(visibleArea, subview.visibleArea)) {n subview.displayIfNeeded(context, viewRefs);n
}n });n\n const backgroundColor = this._backgroundColor;n if (backgroundColor !== null) {n const
desiredSize = this.desiredSize();n if (visibleArea.size.height > desiredSize.height) {n context.fillStyle =
backgroundColor;n context.fillRect(n visibleArea.origin.x,n visibleArea.origin.y +
desiredSize.height,n visibleArea.size.width,n visibleArea.size.height - desiredSize.height,n );n
}n }n }n\n /**n * Handle an `interaction`.n */n * To be overwritten by subclasses that wish to handle
interactions.n */n * NOTE: Do not call directly! Use `handleInteractionAndPropagateToSubviews`.n */n
handleInteraction(interaction: Interaction, viewRefs: ViewRefs): ?boolean {n\n /**n * Handle an `interaction`
and propagates it to all of this view'sn * `subviews`.n */n * NOTE: Should not be overridden! Subclasses
should overriden * `handleInteraction` instead.n */n * @see handleInteractionn * @protectedn */n
handleInteractionAndPropagateToSubviews(n interaction: Interaction,n viewRefs: ViewRefs,n ): boolean {n
const {subviews, visibleArea} = this;n\n if (visibleArea.size.height === 0) {n return false;n }n\n // Pass
the interaction to subviews first,n // so they have the opportunity to claim it before it bubbles.n //n // Views
are painted first to last,n // so they should process interactions last to first,n // so views in front (on top) can
claim the interaction first.n for (let i = subviews.length - 1; i >= 0; i--) {n const subview = subviews[i];n if
(rectIntersectsRect(visibleArea, subview.visibleArea)) {n const didSubviewHandle =n
subview.handleInteractionAndPropagateToSubviews(n interaction,n viewRefs,n ) === true;n
if (didSubviewHandle) {n return true;n }n }n }n\n const didSelfHandle =n
this.handleInteraction(interaction, viewRefs) === true;n if (didSelfHandle) {n return true;n }n\n return
false;n }n }n\n", "*/n * Copyright (c) Meta Platforms, Inc. and affiliates.n */n * This source code is licensed under
the MIT license found in the\n * LICENSE file in the root directory of this source tree.n */n * @flow\n
*/n\nimport {View} from './View';nimport {COLORS} from './content-views/constants';n\n/**n * View that fills
its visible area with a CSS color.n */nexport class BackgroundColorView extends View {n draw(context:
CanvasRenderingContext2D) {n const {visibleArea} = this;n\n context.fillStyle =
COLORS.BACKGROUND;n context.fillRect(n visibleArea.origin.x,n visibleArea.origin.y,n
visibleArea.size.width,n visibleArea.size.height,n );n }n }n\n", "*/n * Copyright (c) Meta Platforms, Inc. and
affiliates.n */n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.n */n * @flow\n */n\nexport function clamp(min: number, max: number, value:
number): number {n if (Number.isNaN(min) || Number.isNaN(max) || Number.isNaN(value)) {n throw new
Error(n `Clamp was called with NaN. Args: min: ${min}, max: ${max}, value: ${value}.`, n );n }n return
Math.min(max, Math.max(min, value));n }n\n", "*/n * Copyright (c) Meta Platforms, Inc. and affiliates.n */n *
This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.n */n * @flow\n */n\nimport {clamp} from './clamp';n\n/**n * Single-axis offset and length state.n */n *
``n * contentStart containerStart containerEnd contentEndn * |<-----offset| | |n * |<----
-----length----->|n * ``n */n\nexport type ScrollState = {n offset: number,n length:
number,n };n\nfunction clampOffset(state: ScrollState, containerLength: number): ScrollState {n return {n
offset: clamp(-(state.length - containerLength), 0, state.offset),n length: state.length,n };n }n\nfunction
clampLength({n state,n minContentLength,n maxContentLength,n containerLength,n }): {n state:
ScrollState,n minContentLength: number,n maxContentLength: number,n containerLength: number,n }):
ScrollState {n return {n offset: state.offset,n length: clamp(n Math.max(minContentLength,
containerLength),n Math.max(containerLength, maxContentLength),n state.length,n ),n };n }n }n\n/**n *
Returns `state` clamped such that:n * - `length`: you won't be able to zoom in/out such that the content isn *
shorter than the `containerLength`.n * - `offset`: content remains in `containerLength`.n */n\nexport function
clampState({n state,n minContentLength,n maxContentLength,n containerLength,n }): ScrollState {n return
clampOffset(n clampLength({n state,n minContentLength,n maxContentLength,n

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containerLength,\n  }),\n  containerLength,\n );\n\nexport function translateState({\n  state,\n  delta,\n  containerLength,\n}): {\n  state: ScrollState,\n  delta: number,\n  containerLength: number,\n}): ScrollState {\n  return clampOffset(\n    {\n      offset: state.offset + delta,\n      length: state.length,\n    },\n    containerLength,\n  );\n}\n\n/**\n * Returns a new clamped `state` zoomed by `multiplier`.\n * The provided fixed point will also remain stationary relative to `containerStart`.\n * `contentStart` `containerStart` `fixedPoint` `containerEnd`\n * |<-----offset-|           x           |\n * |-----fixedPoint----->x\n * |-----fixedPointFromContainer->x           |\n * |-----containerLength----->|\n */\n\nexport function zoomState({\n  state,\n  multiplier,\n  fixedPoint,\n  minContentLength,\n  maxContentLength,\n  containerLength,\n}): {\n  state: ScrollState,\n  multiplier: number,\n  fixedPoint: number,\n  minContentLength: number,\n  maxContentLength: number,\n  containerLength: number,\n}): ScrollState {\n  // Length and offset must be computed separately, so that if the length is\n  // clamped the offset will still be correct (unless it gets clamped too).\n  const zoomedState = clampLength({\n    state: {\n      offset: state.offset,\n      length: state.length * multiplier,\n    },\n    minContentLength,\n    maxContentLength,\n    containerLength,\n  });\n  // Adjust offset so that distance between containerStart<->fixedPoint is fixed\n  const fixedPointFromContainer = fixedPoint + state.offset;\n  const scaledFixedPoint = fixedPoint * (zoomedState.length / state.length);\n  const offsetAdjustedState = clampOffset(\n    {\n      offset: fixedPointFromContainer - scaledFixedPoint,\n      length: zoomedState.length,\n    },\n    containerLength,\n  );\n  return offsetAdjustedState;\n}\n\nexport function moveToRange({\n  state,\n  rangeStart,\n  rangeEnd,\n  contentLength,\n  minContentLength,\n  maxContentLength,\n  containerLength,\n}): {\n  state: ScrollState,\n  rangeStart: number,\n  rangeEnd: number,\n  contentLength: number,\n  minContentLength: number,\n  maxContentLength: number,\n  containerLength: number,\n}): ScrollState {\n  // Length and offset must be computed separately, so that if the length is\n  // clamped the offset will still be correct (unless it gets clamped too).\n  const lengthClampedState = clampLength({\n    state: {\n      offset: state.offset,\n      length: contentLength * (containerLength / (rangeEnd - rangeStart)),\n    },\n    minContentLength,\n    maxContentLength,\n    containerLength,\n  });\n  const offsetAdjustedState = clampOffset(\n    {\n      offset: rangeStart * (lengthClampedState.length / contentLength),\n      length: lengthClampedState.length,\n    },\n    containerLength,\n  );\n  return offsetAdjustedState;\n}\n\nexport function areScrollStatesEqual(\n  state1: ScrollState,\n  state2: ScrollState,\n): boolean {\n  return state1.offset === state2.offset && state1.length === state2.length;\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport type {Size, IntrinsicSize, Rect} from './geometry';\nimport type {\n  Interaction,\n  MouseDownInteraction,\n  MouseMoveInteraction,\n  MouseUpInteraction,\n  WheelPlainInteraction,\n  WheelWithShiftInteraction,\n} from './useCanvasInteraction';\nimport type {ScrollState} from './utils/scrollState';\nimport type {ViewRefs} from './Surface';\nimport type {ViewState} from './types';\nimport {Surface} from './Surface';\nimport {View} from './View';\nimport {rectContainsPoint} from './geometry';\nimport {\n  clampState,\n  moveToRange,\n  areScrollStatesEqual,\n  translateState,\n  zoomState,\n} from './utils/scrollState';\nimport {\n  MAX_ZOOM_LEVEL,\n  MIN_ZOOM_LEVEL,\n  MOVE_WHEEL_DELTA_THRESHOLD,\n} from './constants';\n\nexport class HorizontalPanAndZoomView extends View {\n  _contentView: View;\n  _intrinsicContentWidth: number;\n  _isPanning: boolean = false;\n  _viewState: ViewState;\n\n  constructor(\n    surface: Surface,\n    frame: Rect,\n    contentView: View,\n    intrinsicContentWidth: number,\n    viewState: ViewState,\n  ) {\n    super(surface, frame);\n    this._contentView = contentView;\n    this._intrinsicContentWidth = intrinsicContentWidth;\n    this._viewState = viewState;\n    viewState.onHorizontalScrollStateChange(scrollState => {\n      this.zoomToRange(scrollState.offset, scrollState.length);\n    });\n    this.addSubview(contentView);\n  }\n\n  /**\n   * Just sets scroll state.\n   * Use `_setStateAndInformCallbacksIfChanged` if this view's callbacks should also be called.\n   * @returns Whether state was changed\n   * @private\n   */\n  setScrollState(proposedState: ScrollState) {\n    const clampedState = clampState({\n      state: proposedState,\n      minContentLength: this._intrinsicContentWidth * MIN_ZOOM_LEVEL,\n      maxContentLength: this._intrinsicContentWidth * MAX_ZOOM_LEVEL,\n    });\n  }\n}

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containerLength: this.frame.size.width,\n  });\n  if (\n    !areScrollStatesEqual(clampedState,\n    this._viewState.horizontalScrollState)\n  ) {\n    this.setNeedsDisplay();\n  }\n} //**\n * Zoom to a specific\nrange of the content specified as a range of the\n * content view's intrinsic content size.\n * Does not inform\ncallbacks of state change since this is a public API.\n *\nzoomToRange(rangeStart: number, rangeEnd: number)\n{\n  const newState = moveStateToRange({\n    state: this._viewState.horizontalScrollState,\n    rangeStart,\n    rangeEnd,\n    contentLength: this._intrinsicContentWidth,\n    minLength: this._intrinsicContentWidth\n * MIN_ZOOM_LEVEL,\n    maxLength: this._intrinsicContentWidth * MAX_ZOOM_LEVEL,\n    containerLength: this.frame.size.width,\n  });\n  this.setScrollState(newState);\n}\n\ndesiredSize(): Size |  
IntrinsicSize {\n  return this._contentView.desiredSize();\n}\n\nlayoutSubviews() {\n  const {offset, length} =  
this._viewState.horizontalScrollState;\n  const proposedFrame = {\n    origin: {\n      x: this.frame.origin.x +  
offset,\n      y: this.frame.origin.y,\n    },\n    size: {\n      width: length,\n      height: this.frame.size.height,\n    },\n  };\n  this._contentView.setFrame(proposedFrame);\n  super.layoutSubviews();\n}\n\nhandleInteraction(interaction: Interaction, viewRefs: ViewRefs) {\n  switch (interaction.type) {\n    case 'mousedown':\n      this._handleMouseDown(interaction, viewRefs);\n      break;\n    case 'mousemove':\n      this._handleMouseMove(interaction, viewRefs);\n      break;\n    case 'mouseup':\n      this._handleMouseUp(interaction, viewRefs);\n      break;\n    case 'wheel-plain':\n    case 'wheel-shift':\n      this._handleWheel(interaction);\n      break;\n  }\n}\n\n_handleMouseDown(interaction:  
MouseDownInteraction, viewRefs: ViewRefs) {\n  if (rectContainsPoint(interaction.payload.location, this.frame))\n  {\n    this._isPanning = true;\n    viewRefs.activeView = this;\n    this.currentCursor = 'grabbing';\n  }\n}\n\n_handleMouseMove(interaction: MouseMoveInteraction, viewRefs: ViewRefs) {\n  const isHovered =  
rectContainsPoint(\n  interaction.payload.location,\n  this.frame,\n  );\n  if (isHovered &&  
viewRefs.hoveredView === null) {\n    viewRefs.hoveredView = this;\n  }\n  if (viewRefs.activeView ===  
this) {\n    this.currentCursor = 'grabbing';\n  } else if (isHovered) {\n    this.currentCursor = 'grab';\n  }\n  if (!this._isPanning) {\n    return;\n  }\n  // Don't prevent mouse-move events from bubbling if they are vertical  
drags.\n  const {movementX, movementY} = interaction.payload.event;\n  if (Math.abs(movementX) <  
Math.abs(movementY)) {\n    return;\n  }\n  const newState = translateState({\n    state:  
this._viewState.horizontalScrollState,\n    delta: movementX,\n    containerLength: this.frame.size.width,\n  });\n  this._viewState.updateHorizontalScrollState(newState);\n}\n\n_handleMouseUp(interaction:  
MouseUpInteraction, viewRefs: ViewRefs) {\n  if (this._isPanning) {\n    this._isPanning = false;\n  }\n  if (viewRefs.activeView === this) {\n    viewRefs.activeView = null;\n  }\n}\n\n_handleWheel(interaction:  
WheelPlainInteraction | WheelWithShiftInteraction) {\n  const {\n    location,\n    delta: {deltaX, deltaY},\n  }  
= interaction.payload;\n  if (!rectContainsPoint(location, this.frame)) {\n    return; // Not scrolling on view\n  }\n  const absDeltaX = Math.abs(deltaX);\n  const absDeltaY = Math.abs(deltaY);\n  // Vertical scrolling  
zooms in and out (unless the SHIFT modifier is used).\n  // Horizontal scrolling pans.\n  if (absDeltaY >  
absDeltaX) {\n    if (absDeltaY < MOVE_WHEEL_DELTA_THRESHOLD) {\n      return;\n    }\n    if (interaction.type === 'wheel-shift') {\n      // Shift modifier is for scrolling, not zooming.\n      return;\n    }\n    const newState = zoomState({\n      state: this._viewState.horizontalScrollState,\n      multiplier: 1 + 0.005 * -  
deltaY,\n      fixedPoint: location.x - this._viewState.horizontalScrollState.offset,\n      minLength:  
this._intrinsicContentWidth * MIN_ZOOM_LEVEL,\n      maxLength: this._intrinsicContentWidth *  
MAX_ZOOM_LEVEL,\n      containerLength: this.frame.size.width,\n    });\n    this._viewState.updateHorizontalScrollState(newState);\n  } else {\n    if (absDeltaX <  
MOVE_WHEEL_DELTA_THRESHOLD) {\n      return;\n    }\n    const newState = translateState({\n      state: this._viewState.horizontalScrollState,\n      delta: -deltaX,\n      containerLength: this.frame.size.width,\n    });\n    this._viewState.updateHorizontalScrollState(newState);\n  }\n}\n} //**\n * Copyright (c) Meta  
Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE  
file in the root directory of this source tree.\n *\n * @flow\n */\n\nexport const  
MOVE_WHEEL_DELTA_THRESHOLD = 1;\nexport const ZOOM_WHEEL_DELTA_THRESHOLD =  
1;\nexport const MIN_ZOOM_LEVEL = 0.25;\nexport const MAX_ZOOM_LEVEL = 1000;\nexport const

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DEFAULT_ZOOM_LEVEL = 0.25;\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This
source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n *\n\nimport type {Size, IntrinsicSize, Rect} from './geometry';\nimport type {\n
Interaction,\n MouseDownInteraction,\n MouseMoveInteraction,\n MouseUpInteraction,\n
WheelWithShiftInteraction,\n} from './useCanvasInteraction';\nimport type {ScrollState} from
 './utils/scrollState';\nimport type {ViewRefs} from './Surface';\nimport type {ViewState} from './types';\nimport
{Surface} from './Surface';\nimport {View} from './View';\nimport {rectContainsPoint} from './geometry';\nimport
{\n clampState,\n areScrollStatesEqual,\n translateState,\n} from './utils/scrollState';\nimport
{MOVE_WHEEL_DELTA_THRESHOLD} from './constants';\nimport {COLORS} from './content-
views/constants';\n\nconst CARET_MARGIN = 3;\nconst CARET_WIDTH = 5;\nconst CARET_HEIGHT =
3;\n\ntype OnChangeCallback = (\n scrollState: ScrollState,\n containerLength: number,\n) => void;\n\nexport
class VerticalScrollView extends View {\n  _contentView: View;\n  _isPanning: boolean;\n
  _mutableViewStateKey: string;\n  _onChangeCallback: OnChangeCallback | null;\n  _scrollState: ScrollState;\n
  _viewState: ViewState;\n\n  constructor(\n    surface: Surface,\n    frame: Rect,\n    contentView: View,\n
    viewState: ViewState,\n    label: string,\n  ) {\n    super(surface, frame);\n\n    this._contentView = contentView;\n
    this._isPanning = false;\n    this._mutableViewStateKey = label + ':VerticalScrollView';\n    this._onChangeCallback
= null;\n    this._scrollState = {\n      offset: 0,\n      length: 0,\n    }; \n    this._viewState = viewState;\n\n
    this.addSubview(contentView);\n\n    this._restoreMutableViewState();\n  }\n\n  setFrame(newFrame: Rect) {\n
    super.setFrame(newFrame);\n\n    // Revalidate scrollState\n    this._setScrollState(this._scrollState);\n  }\n\n
  desiredSize(): Size | IntrinsicSize {\n    return this._contentView.desiredSize();\n  }\n\n  draw(context:
CanvasRenderingContext2D, viewRefs: ViewRefs) {\n    super.draw(context, viewRefs);\n\n    // Show carets if
there's scroll overflow above or below the viewable area.\n    if (this.frame.size.height > CARET_HEIGHT * 2 +
CARET_MARGIN * 3) {\n      const offset = this._scrollState.offset;\n      const desiredSize =
this._contentView.desiredSize();\n      const above = offset;\n      const below = this.frame.size.height -
desiredSize.height - offset;\n      if (above < 0 || below < 0) {\n        const {visibleArea} = this;\n        const {x, y}
= visibleArea.origin;\n        const {width, height} = visibleArea.size;\n        const horizontalCenter = x + width /
2;\n        const halfWidth = CARET_WIDTH;\n        const left = horizontalCenter + halfWidth;\n        const right =
horizontalCenter - halfWidth;\n        if (above < 0) {\n          const topY = y + CARET_MARGIN;\n          context.beginPath();\n
          context.moveTo(horizontalCenter, topY);\n          context.lineTo(left, topY +
CARET_HEIGHT);\n          context.lineTo(right, topY + CARET_HEIGHT);\n          context.closePath();\n          context.fillStyle =
COLORS.SCROLL_CARET;\n          context.fill();\n        }\n        if (below < 0) {\n          const
bottomY = y + height - CARET_MARGIN;\n          context.beginPath();\n          context.moveTo(horizontalCenter, bottomY);\n
          context.lineTo(left, bottomY - CARET_HEIGHT);\n          context.lineTo(right, bottomY - CARET_HEIGHT);\n
          context.closePath();\n          context.fillStyle =
COLORS.SCROLL_CARET;\n          context.fill();\n        }\n      }\n    }\n\n    layoutSubviews() {\n      const
{offset} = this._scrollState;\n      const desiredSize = this._contentView.desiredSize();\n      const minimumHeight =
this.frame.size.height;\n      const desiredHeight = desiredSize ? desiredSize.height : 0;\n      // Force view to take up at
least all remaining vertical space.\n      const height = Math.max(desiredHeight, minimumHeight);\n      const
proposedFrame = {\n        origin: {\n          x: this.frame.origin.x,\n          y: this.frame.origin.y + offset,\n        },\n
size: {\n          width: this.frame.size.width,\n          height,\n        },\n      };\n      this._contentView.setFrame(proposedFrame);\n      super.layoutSubviews();\n    }\n\n    handleInteraction(interaction:
Interaction): ?boolean {\n      switch (interaction.type) {\n        case 'mousedown':\n          return
this._handleMouseDown(interaction);\n        case 'mousemove':\n          return this._handleMouseMove(interaction);\n
        case 'mouseup':\n          return this._handleMouseUp(interaction);\n        case 'wheel-shift':\n          return
this._handleWheelShift(interaction);\n      }\n    }\n\n    onChange(callback: OnChangeCallback) {\n      this._onChangeCallback =
callback;\n    }\n\n    scrollBy(deltaY: number): boolean {\n      const newState =
translateState({\n        state: this._scrollState,\n        delta: -deltaY,\n        containerLength: this.frame.size.height,\n
      });\n      // If the state is updated by this wheel scroll,\n      // return true to prevent the interaction from bubbling.\n

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// For instance, this prevents the outermost container from also scrolling.\n  return this._setScrollState(newState);\n}\n\n_handleMouseDown(interaction: MouseDownInteraction) {\n  if\n(rectContainsPoint(interaction.payload.location, this.frame)) {\n    const frameHeight = this.frame.size.height;\n    const contentHeight = this._contentView.desiredSize().height;\n    // Don't claim drag operations if the content is\n    not tall enough to be scrollable.\n    // This would block any outer scroll views from working.\n    if (frameHeight < contentHeight) {\n      this._isPanning = true;\n    }\n  }\n\n_handleMouseMove(interaction:\nMouseMoveInteraction): void | boolean {\n  if (!this._isPanning) {\n    return;\n  }\n  // Don't prevent mouse-\n  move events from bubbling if they are horizontal drags.\n  const {movementX, movementY} =\n  interaction.payload.event;\n  if (Math.abs(movementX) > Math.abs(movementY)) {\n    return;\n  }\n  const\n  newState = translateState({\n    state: this._scrollState,\n    delta: interaction.payload.event.movementY,\n    containerLength: this.frame.size.height,\n  });\n  this._setScrollState(newState);\n  return true;\n}\n\n_handleMouseUp(interaction: MouseUpInteraction) {\n  if (this._isPanning) {\n    this._isPanning = false;\n  }\n}\n\n_handleWheelShift(interaction: WheelWithShiftInteraction): boolean {\n  const {\n    location,\n    delta:\n    {deltaX, deltaY},\n  } = interaction.payload;\n  if (!rectContainsPoint(location, this.frame)) {\n    return false;\n  }\n  // Not scrolling on view\n  const absDeltaX = Math.abs(deltaX);\n  const absDeltaY = Math.abs(deltaY);\n  if (absDeltaX > absDeltaY) {\n    return false; // Scrolling horizontally\n  }\n  if (absDeltaY <\n  MOVE_WHEEL_DELTA_THRESHOLD) {\n    return false; // Movement was too small and should be ignored.\n  }\n  return this.scrollBy(deltaY);\n}\n\n_restoreMutableViewState() {\n  if (\n  this._viewState.viewToMutableViewStateMap.has(this._mutableViewStateKey)\n  ) {\n    this._scrollState =\n    ((this._viewState.viewToMutableViewStateMap.get(\n    this._mutableViewStateKey,\n    ): any): ScrollState);\n  } else {\n    this._viewState.viewToMutableViewStateMap.set(\n    this._mutableViewStateKey,\n    this._scrollState,\n  );\n  }\n  this.setNeedsDisplay();\n}\n\n_setScrollState(proposedState: ScrollState):\nboolean {\n  const contentHeight = this._contentView.frame.size.height;\n  const containerHeight =\n  this.frame.size.height;\n  const clampedState = clampState({\n    state: proposedState,\n    minContentLength:\n    contentHeight,\n    maxContentLength: contentHeight,\n    containerLength: containerHeight,\n  });\n  if\n  (!areScrollStatesEqual(clampedState, this._scrollState)) {\n    this._scrollState.offset = clampedState.offset;\n    this._scrollState.length = clampedState.length;\n    this.setNeedsDisplay();\n  }\n  if (this._onChangeCallback\n  !== null) {\n    this._onChangeCallback(clampedState, this.frame.size.height);\n  }\n  return true;\n}\n\n// Don't allow wheel events to bubble past this view even if we've scrolled to the edge.\n// It just feels bad to have\nthe scrolling jump unexpectedly from in a container to the outer page.\n// The only exception is when the\ncontainer fits the content (no scrolling).\nif (contentHeight === containerHeight) {\n  return false;\n}\nreturn true;\n}\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed\n  under the MIT license found in the\n  * LICENSE file in the root directory of this source tree.\n  *\n  * @flow\n  *\n  *\n  import type {Rect} from '../view-base';\n  import {rectEqualToRect} from '../view-base';\n  import\n  {COLORS, FONT_SIZE, TEXT_PADDING} from './constants';\n  const cachedTextWidths = new Map<string,\n  number>();\n  export function getTextWidth(\n  context: CanvasRenderingContext2D,\n  text: string,\n  ): number\n  {\n    let measuredWidth = cachedTextWidths.get(text);\n    if (measuredWidth === null) {\n      measuredWidth =\n      context.measureText(text).width;\n      cachedTextWidths.set(text, measuredWidth);\n    }\n    return\n    ((measuredWidth: any): number);\n  }\n  export function trimText(\n  context: CanvasRenderingContext2D,\n  text:\n  string,\n  width: number,\n  ): string | null {\n    const maxIndex = text.length - 1;\n    let startIndex = 0;\n    let\n    stopIndex = maxIndex;\n    let longestValidIndex = 0;\n    let longestValidText = null;\n    // Trimming long text\n    could be really slow if we decrease only 1 character at a time.\n    // Trimming with more of a binary search approach\n    is faster in the worst cases.\n    while (startIndex <= stopIndex) {\n      const currentIndex = Math.floor((startIndex +\n      stopIndex) / 2);\n      const trimmedText =\n      currentIndex === maxIndex ? text : text.slice(0, currentIndex) +\n      '...';\n      if (getTextWidth(context, trimmedText) <= width) {\n        if (longestValidIndex < currentIndex) {\n          longestValidIndex = currentIndex;\n          longestValidText = trimmedText;\n        }\n        startIndex = currentIndex\n        + 1;\n      } else {\n        stopIndex = currentIndex - 1;\n      }\n    }\n    return longestValidText;\n  }\n  type TextConfig =\n  {\n    fillStyle?: string,\n    fontSize?: number,\n    textAlign?: 'left' | 'center',\n  };\n  export function drawText(\n  text:

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string,\n context: CanvasRenderingContext2D,\n fullRect: Rect,\n drawableRect: Rect,\n config?: TextConfig,\n):
void {\n const {\n fillStyle = COLORS.TEXT_COLOR,\n fontSize = FONT_SIZE,\n textAlign = 'left',\n } =
config || {};\n\n if (fullRect.size.width > TEXT_PADDING * 2) {\n context.textAlign = textAlign;\n
context.textBaseline = 'middle';\n context.font = `${fontSize}px sans-serif`;\n\n const {x, y} =
fullRect.origin;\n\n const trimmedName = trimText(\n context,\n text,\n fullRect.size.width -
TEXT_PADDING * 2 + (x < 0 ? x : 0),\n );\n\n if (trimmedName !== null) {\n context.fillStyle =
fillStyle;\n\n // Prevent text from visibly overflowing its container when clipped.\n const
textOverflowsViewableArea = !rectEqualToRect(\n drawableRect,\n fullRect,\n );\n if
(textOverflowsViewableArea) {\n context.save();\n context.beginPath();\n context.rect(\n
drawableRect.origin.x,\n drawableRect.origin.y,\n drawableRect.size.width,\n
drawableRect.size.height,\n );\n context.closePath();\n context.clip();\n }\n\n let textX;\n if
(textAlign === 'center') {\n textX = x + fullRect.size.width / 2 + TEXT_PADDING - (x < 0 ? x : 0);\n } else
{\n textX = x + TEXT_PADDING - (x < 0 ? x : 0);\n }\n\n const textY = y + fullRect.size.height / 2;\n\n
context.fillText(trimmedName, textX, textY);\n\n if (textOverflowsViewableArea) {\n context.restore();\n
}\n }\n }\n }"}\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n
*/\n\nimport type {\n Interaction,\n MouseDownInteraction,\n MouseMoveInteraction,\n MouseUpInteraction,\n}
from './useCanvasInteraction';\nimport type {Rect, Size} from './geometry';\nimport type {ViewRefs} from
'./Surface';\nimport {BORDER_SIZE, COLORS} from './../content-views/constants';\nimport {drawText} from
'./../content-views/utils/text';\nimport {Surface} from './Surface';\nimport {View} from './View';\nimport
{rectContainsPoint} from './geometry';\nimport {noopLayout} from './layouter';\n\nexport type ResizeBarState = 'normal' |
'hovered' | 'dragging';\n\nconst RESIZE_BAR_DOT_RADIUS = 1;\nconst RESIZE_BAR_DOT_SPACING =
4;\nconst RESIZE_BAR_HEIGHT = 8;\nconst RESIZE_BAR_WITH_LABEL_HEIGHT = 16;\n\nexport class
ResizeBarView extends View {\n _interactionState: ResizeBarState = 'normal';\n _label: string;\n\n showLabel:
boolean = false;\n\n constructor(surface: Surface, frame: Rect, label: string) {\n super(surface, frame,
noopLayout);\n\n this._label = label;\n }\n\n desiredSize(): Size {\n return this.showLabel\n ? {height:
RESIZE_BAR_WITH_LABEL_HEIGHT, width: 0}\n : {height: RESIZE_BAR_HEIGHT, width: 0};\n }\n\n draw(context: CanvasRenderingContext2D, viewRefs: ViewRefs) {\n const {frame} = this;\n const {x, y} =
frame.origin;\n const {width, height} = frame.size;\n\n const isActive =\n this._interactionState ===
'dragging' ||\n (this._interactionState === 'hovered' && viewRefs.activeView === null);\n\n context.fillStyle =
isActive\n ? COLORS.REACT_RESIZE_BAR_ACTIVE\n : COLORS.REACT_RESIZE_BAR;\n\n context.fillRect(x, y, width, height);\n\n context.fillStyle = COLORS.REACT_RESIZE_BAR_BORDER;\n
context.fillRect(x, y, width, BORDER_SIZE);\n context.fillRect(x, y + height - BORDER_SIZE, width,
BORDER_SIZE);\n\n const horizontalCenter = x + width / 2;\n const verticalCenter = y + height / 2;\n\n if
(this.showLabel) {\n // When the resize view is collapsed entirely,\n // rather than showing a resize bar– this
view displays a label.\n const labelRect: Rect = {\n origin: {\n x: 0,\n y: y + height -
RESIZE_BAR_WITH_LABEL_HEIGHT,\n },\n size: {\n width: frame.size.width,\n height:
RESIZE_BAR_WITH_LABEL_HEIGHT,\n },\n };\n\n drawText(this._label, context, labelRect, frame,
{\n fillStyle: COLORS.REACT_RESIZE_BAR_DOT,\n textAlign: 'center',\n });\n } else {\n //
Otherwise draw horizontally centered resize bar dots\n context.beginPath();\n context.fillStyle =
COLORS.REACT_RESIZE_BAR_DOT;\n context.arc(\n horizontalCenter,\n verticalCenter,\n
RESIZE_BAR_DOT_RADIUS,\n 0,\n 2 * Math.PI,\n );\n context.arc(\n horizontalCenter +
RESIZE_BAR_DOT_SPACING,\n verticalCenter,\n RESIZE_BAR_DOT_RADIUS,\n 0,\n 2 *
Math.PI,\n );\n context.arc(\n horizontalCenter - RESIZE_BAR_DOT_SPACING,\n verticalCenter,\n
RESIZE_BAR_DOT_RADIUS,\n 0,\n 2 * Math.PI,\n );\n context.fill();\n }\n }\n\n _setInteractionState(state: ResizeBarState) {\n if (this._interactionState === state) {\n return;\n }\n\n
this._interactionState = state;\n this.setNeedsDisplay();\n }\n\n _handleMouseDown(interaction:
MouseDownInteraction, viewRefs: ViewRefs) {\n const cursorInView = rectContainsPoint(\n

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interaction.payload.location,\n    this.frame,\n    );\n    if (cursorInView) {\n
this._setInteractionState('dragging');\n    viewRefs.activeView = this;\n    }\n  }\n\n
_handleMouseMove(interaction: MouseMoveInteraction, viewRefs: ViewRefs) {\n    const cursorInView =
rectContainsPoint(\n    interaction.payload.location,\n    this.frame,\n    );\n\n    if (viewRefs.activeView === this)
{\n    // If we're actively dragging this resize bar,\n    // show the cursor even if the pointer isn't hovering over this
view.\n    this.currentCursor = 'ns-resize';\n    } else if (cursorInView) {\n    if (this.showLabel) {\n
this.currentCursor = 'pointer';\n    } else {\n    this.currentCursor = 'ns-resize';\n    }\n    }\n\n    if
(cursorInView) {\n    viewRefs.hoveredView = this;\n    }\n\n    if (this._interactionState === 'dragging') {\n
return;\n    }\n    this._setInteractionState(cursorInView ? 'hovered' : 'normal');\n    }\n\n
_handleMouseUp(interaction: MouseUpInteraction, viewRefs: ViewRefs) {\n    const cursorInView =
rectContainsPoint(\n    interaction.payload.location,\n    this.frame,\n    );\n    if (this._interactionState ===
'dragging') {\n    this._setInteractionState(cursorInView ? 'hovered' : 'normal');\n    }\n\n    if (viewRefs.activeView
=== this) {\n    viewRefs.activeView = null;\n    }\n    }\n\n    handleInteraction(interaction: Interaction, viewRefs:
ViewRefs) {\n    switch (interaction.type) {\n    case 'mousedown':\n    this._handleMouseDown(interaction,
viewRefs);\n    break;\n    case 'mousemove':\n    this._handleMouseMove(interaction, viewRefs);\n
break;\n    case 'mouseup':\n    this._handleMouseUp(interaction, viewRefs);\n    break;\n    }\n    }\n  }\n\n"}\n\n
* Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport type {\n
ClickInteraction,\n DoubleClickInteraction,\n Interaction,\n MouseDownInteraction,\n MouseMoveInteraction,\n
MouseUpInteraction,\n} from './useCanvasInteraction';\nimport type {Rect} from './geometry';\nimport type
{ViewRefs} from './Surface';\nimport type {ViewState} from './types';\n\nimport {ResizeBarView} from
'./ResizeBarView';\nimport {Surface} from './Surface';\nimport {View} from './View';\nimport {rectContainsPoint}
from './geometry';\nimport {noopLayout} from './layouter';\nimport {clamp} from './utils/clamp';\n\n\n
type\n ResizingState = $ReadOnly<{\n /** Distance between top of resize bar and mouseY *\n cursorOffsetInBarFrame:
number,\n /** Mouse's vertical coordinates relative to canvas *\n mouseY: number,\n}>;\n\n\n
type\n LayoutState =\n {\n /** Resize bar's vertical position relative to resize view's frame.origin.y *\n
barOffsetY: number,\n};\n\n\n
const\n RESIZE_BAR_HEIGHT = 8;\nconst\n RESIZE_BAR_WITH_LABEL_HEIGHT = 16;\nconst\n HIDDEN_RECT =\n {\n origin: {x: 0, y: 0},\n size: {width: 0, height: 0},\n};\n\n\n
export\n class\n ResizableView\n extends\n View\n {\n
_canvasRef: {current: HTMLCanvasElement | null};\n _layoutState: LayoutState;\n _mutableViewStateKey:
string;\n _resizeBar: ResizeBarView;\n _resizingState: ResizingState | null = null;\n _subview: View;\n
_viewState: ViewState;\n\n
constructor(\n surface: Surface,\n frame: Rect,\n subview: View,\n viewState:
ViewState,\n canvasRef: {current: HTMLCanvasElement | null},\n label: string,\n ) {\n
super(surface, frame, noopLayout);\n\n
this._canvasRef = canvasRef;\n this._layoutState = {barOffsetY: 0};\n
this._mutableViewStateKey = label + ':ResizableView';\n this._subview = subview;\n this._resizeBar = new
ResizeBarView(surface, frame, label);\n this._viewState = viewState;\n\n
this.addSubview(this._subview);\n this.addSubview(this._resizeBar);\n\n
this._restoreMutableViewState();\n }\n\n
desiredSize(): {+height: number,\n +width: number} {\n    const subviewDesiredSize = this._subview.desiredSize();\n    if
(this._shouldRenderResizeBar()) {\n    const resizeBarDesiredSize = this._resizeBar.desiredSize();\n    return
{\n    width: this.frame.size.width,\n    height: this._layoutState.barOffsetY + resizeBarDesiredSize.height,\n
};\n    } else {\n    return {\n    width: this.frame.size.width,\n    height: subviewDesiredSize.height,\n
};\n    }\n  }\n\n
layoutSubviews() {\n    this._updateLayoutState();\n    this._updateSubviewFrames();\n\n
super.layoutSubviews();\n  }\n\n
_restoreMutableViewState() {\n    if (\n
this._viewState.viewToMutableViewStateMap.has(this._mutableViewStateKey)\n ) {\n    this._layoutState =
((this._viewState.viewToMutableViewStateMap.get(\n    this._mutableViewStateKey,\n    ): any):\n
LayoutState);\n\n    this._updateLayoutStateAndResizeBar(this._layoutState.barOffsetY);\n    } else {\n
this._viewState.viewToMutableViewStateMap.set(\n    this._mutableViewStateKey,\n    this._layoutState,\n
);\n\n    const subviewDesiredSize = this._subview.desiredSize();\n    this._updateLayoutStateAndResizeBar(\n
subviewDesiredSize.maxInitialHeight != null\n    ? Math.min(\n

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subviewDesiredSize.maxInitialHeight,\n      subviewDesiredSize.height,\n      )\n      :\n      subviewDesiredSize.height,\n      );\n    }\n    this.setNeedsDisplay();\n  }\n  _shouldRenderResizeBar(): boolean {\n    const subviewDesiredSize = this._subview.desiredSize();\n    return\n      subviewDesiredSize.hideScrollBarIfLessThanHeight !== null\n        ? subviewDesiredSize.height >\n      subviewDesiredSize.hideScrollBarIfLessThanHeight\n        : true;\n  }\n  _updateLayoutStateAndResizeBar(barOffsetY: number) {\n    if (barOffsetY <=\n      RESIZE_BAR_WITH_LABEL_HEIGHT - RESIZE_BAR_HEIGHT) {\n      barOffsetY = 0;\n    }\n    this._layoutState.barOffsetY = barOffsetY;\n    this._resizeBar.showLabel = barOffsetY === 0;\n  }\n  _updateLayoutState() {\n    const {frame, _resizingState} = this;\n    // Allow bar to travel to bottom of the visible\n    area of this view but no further\n    const subviewDesiredSize = this._subview.desiredSize();\n    const\n      maxBarOffset = subviewDesiredSize.height;\n    let proposedBarOffsetY = this._layoutState.barOffsetY;\n    //\n    Update bar offset if dragging bar\n    if (_resizingState) {\n      const {mouseY, cursorOffsetInBarFrame} =\n        _resizingState;\n      proposedBarOffsetY = mouseY - frame.origin.y - cursorOffsetInBarFrame;\n    }\n    this._updateLayoutStateAndResizeBar(\n      clamp(0, maxBarOffset, proposedBarOffsetY),\n    );\n  }\n  _updateSubViewFrames() {\n    const {\n      frame: {\n        origin: {x, y},\n        size: {width},\n      },\n      _layoutState: {barOffsetY},\n    } = this;\n    const resizeBarDesiredSize = this._resizeBar.desiredSize();\n    if\n      (barOffsetY === 0) {\n      this._subview.setFrame(HIDDEN_RECT);\n    } else {\n      this._subview.setFrame({\n        origin: {x, y},\n        size: {width, height: barOffsetY},\n      });\n    }\n    this._resizeBar.setFrame({\n      origin: {x, y: y + barOffsetY},\n      size: {width, height: resizeBarDesiredSize.height},\n    });\n  }\n  _handleClick(interaction: ClickInteraction): void | boolean {\n    if (!this._shouldRenderResizeBar()) {\n      return;\n    }\n    const cursorInView = rectContainsPoint(\n      interaction.payload.location,\n      this.frame,\n    );\n    if (cursorInView) {\n      if (this._layoutState.barOffsetY === 0) {\n        // Clicking on the collapsed label\n        should expand.\n        const subviewDesiredSize = this._subview.desiredSize();\n        this._updateLayoutStateAndResizeBar(subviewDesiredSize.height);\n        this.setNeedsDisplay();\n        return\n          true;\n      }\n    }\n  }\n  _handleDoubleClick(interaction: DoubleClickInteraction): void | boolean {\n    if\n      (!this._shouldRenderResizeBar()) {\n      return;\n    }\n    const cursorInView = rectContainsPoint(\n      interaction.payload.location,\n      this.frame,\n    );\n    if (cursorInView) {\n      if (this._layoutState.barOffsetY > 0)\n        {\n          // Double clicking on the expanded view should collapse.\n          this._updateLayoutStateAndResizeBar(0);\n          this.setNeedsDisplay();\n          return true;\n        }\n    }\n  }\n  _handleMouseDown(interaction:\n    MouseDownInteraction): void | boolean {\n    const cursorLocation = interaction.payload.location;\n    const\n      resizeBarFrame = this._resizeBar.frame;\n    if (rectContainsPoint(cursorLocation, resizeBarFrame)) {\n      const\n        mouseY = cursorLocation.y;\n      this._resizingState = {\n        cursorOffsetInBarFrame: mouseY -\n        resizeBarFrame.origin.y,\n        mouseY,\n      };\n      return true;\n    }\n  }\n  _handleMouseMove(interaction:\n    MouseMoveInteraction): void | boolean {\n    const {_resizingState} = this;\n    if (_resizingState) {\n      this._resizingState = {\n        ..._resizingState,\n        mouseY: interaction.payload.location.y,\n      };\n      this.setNeedsDisplay();\n      return true;\n    }\n  }\n  _handleMouseUp(interaction: MouseUpInteraction) {\n    if (this._resizingState) {\n      this._resizingState = null;\n    }\n  }\n  getCursorActiveSubView(interaction:\n    Interaction): View | null {\n    const cursorLocation = interaction.payload.location;\n    const resizeBarFrame =\n      this._resizeBar.frame;\n    if (rectContainsPoint(cursorLocation, resizeBarFrame)) {\n      return this;\n    } else {\n      return null;\n    }\n  }\n  handleInteraction(\n    interaction: Interaction,\n    viewRefs: ViewRefs,\n  ): void | boolean {\n    switch (interaction.type) {\n      case 'click':\n        return this._handleClick(interaction);\n      case\n        'double-click':\n        return this._handleDoubleClick(interaction);\n      case 'mousedown':\n        return\n          this._handleMouseDown(interaction);\n      case 'mousemove':\n        return this._handleMouseMove(interaction);\n      case 'mouseup':\n        return this._handleMouseUp(interaction);\n    }\n  }\n  /**\n   * Copyright (c) Meta\n   * Platforms, Inc. and affiliates.\n   * This source code is licensed under the MIT license found in the\n   * LICENSE\n   * file in the root directory of this source tree.\n   * @flow\n   */\n  import type {NormalizedWheelDelta} from\n    './utils/normalizeWheel';\n  import type {Point} from './geometry';\n  import {useEffect, useRef} from\n    'react';\n  import {normalizeWheel} from './utils/normalizeWheel';\n  export type ClickInteraction = {\n    type:

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'click',\n payload: {\n  event: MouseEvent,\n  location: Point,\n },\n};\nexport type DoubleClickInteraction = {\n
type: 'double-click',\n payload: {\n  event: MouseEvent,\n  location: Point,\n },\n};\nexport type
MouseDownInteraction = {\n type: 'mousedown',\n payload: {\n  event: MouseEvent,\n  location: Point,\n
},\n};\nexport type MouseMoveInteraction = {\n type: 'mousemove',\n payload: {\n  event: MouseEvent,\n
location: Point,\n },\n};\nexport type MouseUpInteraction = {\n type: 'mouseup',\n payload: {\n  event:
MouseEvent,\n  location: Point,\n },\n};\nexport type WheelPlainInteraction = {\n type: 'wheel-plain',\n
payload: {\n  event: WheelEvent,\n  location: Point,\n  delta: NormalizedWheelDelta,\n },\n};\nexport type
WheelWithShiftInteraction = {\n type: 'wheel-shift',\n payload: {\n  event: WheelEvent,\n  location: Point,\n
delta: NormalizedWheelDelta,\n },\n};\nexport type WheelWithControlInteraction = {\n type: 'wheel-control',\n
payload: {\n  event: WheelEvent,\n  location: Point,\n  delta: NormalizedWheelDelta,\n },\n};\nexport type
WheelWithMetaInteraction = {\n type: 'wheel-meta',\n payload: {\n  event: WheelEvent,\n  location: Point,\n
delta: NormalizedWheelDelta,\n },\n};\n\nexport type Interaction =\n | ClickInteraction\n |
DoubleClickInteraction\n | MouseDownInteraction\n | MouseMoveInteraction\n | MouseUpInteraction\n |
WheelPlainInteraction\n | WheelWithShiftInteraction\n | WheelWithControlInteraction\n |
WheelWithMetaInteraction;\n\nlet canvasBoundingRectCache = null;\n\nfunction
cacheFirstGetCanvasBoundingRect(\n  canvas: HTMLCanvasElement,\n): ClientRect {\n  if (\n
canvasBoundingRectCache &&\n  canvas.width === canvasBoundingRectCache.width &&\n  canvas.height ===
canvasBoundingRectCache.height\n ) {\n    return canvasBoundingRectCache.rect;\n  }\n  canvasBoundingRectCache = {\n    width: canvas.width,\n    height: canvas.height,\n    rect:
canvas.getBoundingClientRect(),\n  };\n  return canvasBoundingRectCache.rect;\n}\n\nexport function
useCanvasInteraction(\n  canvasRef: {current: HTMLCanvasElement | null},\n  interactor: (interaction: Interaction)
=> void,\n) {\n  const isMouseDownRef = useRef<boolean>(false);\n  const didMouseMoveWhileDownRef =
useRef<boolean>(false);\n\n  useEffect(() => {\n    const canvas = canvasRef.current;\n    if (!canvas) {\n
return;\n    }\n\n    function localToCanvasCoordinates(localCoordinates: Point): Point {\n      //
$FlowFixMe[incompatible-call] found when upgrading Flow\n      const canvasRect =
cacheFirstGetCanvasBoundingRect(canvas);\n      return {\n        x: localCoordinates.x - canvasRect.left,\n        y:
localCoordinates.y - canvasRect.top,\n      };\n    }\n\n    const onCanvasClick: MouseEventHandler = event => {\n
if (didMouseMoveWhileDownRef.current) {\n      return;\n    }\n\n    interactor({\n      type: 'click',\n
payload: {\n        event,\n        location: localToCanvasCoordinates({x: event.x, y: event.y}),\n      },\n    });\n  };\n\n  const onCanvasDoubleClick: MouseEventHandler = event => {\n    if
(didMouseMoveWhileDownRef.current) {\n      return;\n    }\n\n    interactor({\n      type: 'double-click',\n
payload: {\n        event,\n        location: localToCanvasCoordinates({x: event.x, y: event.y}),\n      },\n    });\n  };\n\n  const onCanvasMouseDown: MouseEventHandler = event => {\n
didMouseMoveWhileDownRef.current = false;\n    isMouseDownRef.current = true;\n\n    interactor({\n      type: 'mousedown',\n      payload: {\n        event,\n        location: localToCanvasCoordinates({x: event.x, y:
event.y}),\n      },\n    });\n  };\n\n  const onDocumentMouseMove: MouseEventHandler = event => {\n    if
(isMouseDownRef.current) {\n      didMouseMoveWhileDownRef.current = true;\n    }\n\n    interactor({\n      type: 'mousemove',\n      payload: {\n        event,\n        location: localToCanvasCoordinates({x: event.x, y:
event.y}),\n      },\n    });\n  };\n\n  const onDocumentMouseUp: MouseEventHandler = event => {\n
isMouseDownRef.current = false;\n\n    interactor({\n      type: 'mouseup',\n      payload: {\n        event,\n
location: localToCanvasCoordinates({x: event.x, y: event.y}),\n      },\n    });\n  };\n\n  const onCanvasWheel:
WheelEventHandler = event => {\n    event.preventDefault();\n    event.stopPropagation();\n\n    const location =
localToCanvasCoordinates({x: event.x, y: event.y});\n    const delta = normalizeWheel(event);\n\n    if
(event.shiftKey) {\n      interactor({\n        type: 'wheel-shift',\n        payload: {event, location, delta},\n      });\n    } else if (event.ctrlKey) {\n      interactor({\n        type: 'wheel-control',\n        payload: {event, location,
delta},\n      });\n    } else if (event.metaKey) {\n      interactor({\n        type: 'wheel-meta',\n        payload:
{event, location, delta},\n      });\n    } else {\n      interactor({\n        type: 'wheel-plain',\n        payload:
{event, location, delta},\n      });\n    }\n\n    return false;\n  };\n\n  const ownerDocument =

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canvas.ownerDocument;\n  ownerDocument.addEventListener('mousemove', onDocumentMouseMove);\n
ownerDocument.addEventListener('mouseup', onDocumentMouseUp);\n\n  canvas.addEventListener('click',
onCanvasClick);\n  canvas.addEventListener('dblclick', onCanvasDoubleClick);\n
canvas.addEventListener('mousedown', onCanvasMouseDown);\n  canvas.addEventListener('wheel',
onCanvasWheel);\n\n  return () => {\n    ownerDocument.removeEventListener('mousemove',
onDocumentMouseMove);\n    ownerDocument.removeEventListener('mouseup', onDocumentMouseUp);\n\n
canvas.removeEventListener('click', onCanvasClick);\n    canvas.removeEventListener('dblclick',
onCanvasDoubleClick);\n    canvas.removeEventListener('mousedown', onCanvasMouseDown);\n\n
canvas.removeEventListener('wheel', onCanvasWheel);\n  };\n }, [canvasRef, interactor]);\n}\n", "/*\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\n// Adapted from:
https://github.com/facebookarchive/fixe
table/blob/main/src/vendor_upstream/dom/normalizeWheel.js\n\nexport type NormalizedWheelDelta = {\n  deltaX:
number,\n  deltaY: number,\n};\n\n// Reasonable defaults\nconst LINE_HEIGHT = 40;\nconst PAGE_HEIGHT =
800;\n\n/**\n * Mouse wheel (and 2-finger trackpad) support on the web sucks. It is\n * complicated, thus this doc
is long and (hopefully) detailed enough to answer\n * your questions.\n *\n * If you need to react to the mouse
wheel in a predictable way, this code is\n * like your bestest friend. * hugs *\n *\n * In your event callback, use this
code to get sane interpretation of the\n * deltas. This code will return an object with properties:\n *\n * - deltaX --
normalized distance (to pixels) - x plane\n * - deltaY -- " - y plane\n *\n * Wheel values are provided by the
browser assuming you are using the wheel to\n * scroll a web page by a number of lines or pixels (or pages). Values
can vary\n * significantly on different platforms and browsers, forgetting that you can\n * scroll at different speeds.
Some devices (like trackpads) emit more events\n * at smaller increments with fine granularity, and some emit
massive jumps with\n * linear speed or acceleration.\n *\n * This code does its best to normalize the deltas for
you:\n *\n * - delta* is normalizing the desired scroll delta in pixel units.\n *\n * - positive value indicates
scrolling DOWN/RIGHT, negative UP/LEFT. This\n * should translate to positive value zooming IN, negative
zooming OUT.\n *\n * This matches the 'wheel' event.\n *\n * Implementation info:\n *\n * The basics of the
standard 'wheel' event is that it includes a unit,\n * deltaMode (pixels, lines, pages), and deltaX, deltaY and deltaZ.\n
* See: http://www.w3.org/TR/DOM-Level-3-Events/#events-wheelevents\n *\n * Examples of 'wheel' event if you
scroll slowly (down) by one step with an\n * average mouse:\n *\n * OS X + Chrome (mouse) - 4 pixel delta
(wheelDelta -120)\n * OS X + Safari (mouse) - N/A pixel delta (wheelDelta -12)\n * OS X + Firefox
(mouse) - 0.1 line delta (wheelDelta N/A)\n * Win8 + Chrome (mouse) - 100 pixel delta (wheelDelta -
120)\n * Win8 + Firefox (mouse) - 3 line delta (wheelDelta -120)\n *\n * On the trackpad:\n *\n * OS X +
Chrome (trackpad) - 2 pixel delta (wheelDelta -6)\n * OS X + Firefox (trackpad) - 1 pixel delta
(wheelDelta N/A)\n */\n\nexport function normalizeWheel(event: WheelEvent): NormalizedWheelDelta {\n  let
deltaX = event.deltaX;\n  let deltaY = event.deltaY;\n\n  if (event.deltaMode ===
WheelEvent.DOM_DELTA_LINE) {\n    // delta in LINE units\n    deltaX *= LINE_HEIGHT;\n    deltaY *=
LINE_HEIGHT;\n  } else if (event.deltaMode === WheelEvent.DOM_DELTA_PAGE) {\n    // delta in PAGE
units\n    deltaX *= PAGE_HEIGHT;\n    deltaY *= PAGE_HEIGHT;\n  }\n\n  return {deltaX,\n    deltaY};\n}\n", "/*\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under
the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n
*/\n\nimport type {Layouter} from './layouter';\n\n/**\n * Assumes { @param layout } will only contain 2 views.\n
*\n * \n\nexport const withVerticalScrollbarLayout: Layouter = (\n  layout,\n  containerFrame,\n) => {\n  const
[contentLayoutInfo, scrollbarLayoutInfo] = layout;\n\n  const desiredContentSize =
contentLayoutInfo.view.desiredSize();\n  const shouldShowScrollbar =\n    desiredContentSize.height >
containerFrame.size.height;\n  const scrollbarWidth = shouldShowScrollbar\n    ?
scrollbarLayoutInfo.view.desiredSize().width\n    : 0;\n\n  const laidOutContentLayoutInfo = {\n
...contentLayoutInfo,\n  frame: {\n    origin: contentLayoutInfo.view.frame.origin,\n    size: {\n      width:
containerFrame.size.width - scrollbarWidth,\n      height: containerFrame.size.height,\n    },\n  },\n};\n  const

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laidOutScrollbarLayoutInfo = {\n  ...scrollbarLayoutInfo,\n  frame: {\n    origin: {\n      x:\n        laidOutContentLayoutInfo.frame.origin.x +\n        laidOutContentLayoutInfo.frame.size.width,\n      y:\n        containerFrame.origin.y,\n    },\n    size: {\n      width: scrollbarWidth,\n      height:\n        containerFrame.size.height,\n    },\n  },\n};\n\n return [laidOutContentLayoutInfo,\n  laidOutScrollbarLayoutInfo];\n};\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport type {Rect} from './geometry';\nimport type {ScrollState} from './utils/scrollState';\nimport type {Surface} from './Surface';\nimport type {ViewState} from './../types';\nimport {VerticalScrollBarView} from './VerticalScrollBarView';\nimport {withVerticalScrollbarLayout} from './withVerticalScrollbarLayout';\nimport {View} from './View';\nimport {VerticalScrollView} from './VerticalScrollView';\n\nexport class VerticalScrollOverflowView extends View {\n  _contentView: View;\n  _isProcessingOnChange: boolean = false;\n  _isScrolling: boolean = false;\n  _scrollOffset: number = 0;\n  _scrollBarView: VerticalScrollBarView;\n  _verticalScrollView: VerticalScrollView;\n\n  constructor(\n    surface: Surface,\n    frame: Rect,\n    contentView: View,\n    viewState: ViewState,\n  ) {\n    super(surface, frame, withVerticalScrollbarLayout);\n\n    this._contentView = contentView;\n    this._verticalScrollView = new VerticalScrollView(\n      surface,\n      frame,\n      contentView,\n      viewState,\n      'VerticalScrollOverflowView',\n    );\n\n    this._verticalScrollView.onChange(this._onVerticalScrollViewChange);\n    this._scrollBarView = new VerticalScrollBarView(surface, frame, this);\n    this.addSubview(this._verticalScrollView);\n    this.addSubview(this._scrollBarView);\n  }\n\n  layoutSubviews() {\n    super.layoutSubviews();\n\n    const\n      contentType = this._contentView.desiredSize();\n\n    // This should be done after calling super.layoutSubviews() -\n    // calling it\n    // before somehow causes _contentView to need display on every mousemove\n    // event when the scroll bar is shown.\n    this._scrollBarView.setContentHeight(contentType.height);\n  }\n\n  setScrollOffset(newScrollOffset: number, maxScrollOffset: number) {\n    const deltaY = newScrollOffset - this._scrollOffset;\n\n    if (!this._isProcessingOnChange) {\n      this._verticalScrollView.scrollBy(-deltaY);\n    }\n\n    this._scrollOffset = newScrollOffset;\n    this.setNeedsDisplay();\n  }\n\n  _onVerticalScrollViewChange:\n    (\n      scrollState: ScrollState,\n      containerLength: number,\n    ) => void = (scrollState: ScrollState, containerLength:\n      number) => {\n    const maxOffset = scrollState.length - containerLength;\n    if (maxOffset === 0) {\n      return;\n    }\n\n    const percentage = Math.abs(scrollState.offset) / maxOffset;\n    const maxScrollThumbY = this._scrollBarView.getMaxScrollThumbY();\n    this._isProcessingOnChange = true;\n\n    this._scrollBarView.setScrollThumbY(percentage * maxScrollThumbY);\n    this._isProcessingOnChange = false;\n  };\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport type {Rect} from './geometry';\nimport type {Surface, ViewRefs} from './Surface';\nimport type {\n  Interaction,\n  ClickInteraction,\n  MouseDownInteraction,\n  MouseMoveInteraction,\n  MouseUpInteraction,\n} from './useCanvasInteraction';\nimport {VerticalScrollOverflowView} from './VerticalScrollOverflowView';\nimport {\n  rectContainsPoint,\n  rectEqualToRect,\n} from './geometry';\nimport {View} from './View';\nimport {\n  BORDER_SIZE,\n  COLORS,\n} from './../content-views/constants';\n\nconst SCROLL_BAR_SIZE = 14;\n\nconst\n  HIDDEN_RECT = {\n    origin: {\n      x: 0,\n      y: 0,\n    },\n    size: {\n      width: 0,\n      height: 0,\n    },\n  };\n\nexport class VerticalScrollBarView extends View {\n  _contentHeight: number = 0;\n  _isScrolling: boolean = false;\n  _scrollBarRect: Rect = HIDDEN_RECT;\n  _scrollThumbRect: Rect = HIDDEN_RECT;\n  _verticalScrollOverflowView: VerticalScrollOverflowView;\n\n  constructor(\n    surface: Surface,\n    frame: Rect,\n    verticalScrollOverflowView: VerticalScrollOverflowView,\n  ) {\n    super(surface, frame);\n\n    this._verticalScrollOverflowView = verticalScrollOverflowView;\n  }\n\n  desiredSize(): {\n    +height: number,\n    +width: number,\n  } {\n    return {\n      width: SCROLL_BAR_SIZE,\n      height: 0, // No desired height\n    };\n  }\n\n  getMaxScrollThumbY(): number {\n    const {height} = this.frame.size;\n    const maxScrollThumbY = height - this._scrollThumbRect.size.height;\n\n    return maxScrollThumbY;\n  }\n\n  setContentHeight(contentHeight: number) {\n    this._contentHeight = contentHeight;\n\n    const {height, width} = this.frame.size;\n    const

```

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proposedScrollThumbRect = {
  origin: {
    x: this.frame.origin.x,
    y: this._scrollThumbRect.origin.y,
  },
  size: {
    width,
    height: height * (height / contentHeight),
  },
};
if (!rectEqualToRect(this._scrollThumbRect, proposedScrollThumbRect)) {
  this._scrollThumbRect = proposedScrollThumbRect;
  this.setNeedsDisplay();
}

setScrollThumbY(value: number) {
  const {height} = this.frame.size;
  const maxScrollThumbY = this.getMaxScrollThumbY();
  const newScrollThumbY = Math.max(0, Math.min(maxScrollThumbY, value));
  this._scrollThumbRect = {
    ...this._scrollThumbRect,
    origin: {
      x: this.frame.origin.x,
      y: newScrollThumbY,
    },
  };
  const maxContentOffset = this._contentHeight - height;
  const contentScrollOffset = (newScrollThumbY / maxScrollThumbY) * maxContentOffset * -1;
  this._verticalScrollOverflowView.setScrollOffset(
    contentScrollOffset,
    maxScrollThumbY,
  );
}

draw(context: CanvasRenderingContext2D, viewRefs: ViewRefs) {
  const {x, y} = this.frame.origin;
  const {width, height} = this.frame.size;
  // TODO Use real color
  context.fillStyle = COLORS.REACT_RESIZE_BAR;
  context.fillRect(x, y, width, height);
  // TODO Use real color
  context.fillStyle = COLORS.SCROLL_CARET;
  context.fillRect(
    this._scrollThumbRect.origin.x,
    this._scrollThumbRect.origin.y,
    this._scrollThumbRect.size.width,
    this._scrollThumbRect.size.height,
  );
  // TODO Use real color
  context.fillStyle = COLORS.REACT_RESIZE_BAR_BORDER;
  context.fillRect(x, y, BORDER_SIZE, height);
}

handleInteraction(interaction: Interaction, viewRefs: ViewRefs) {
  switch (interaction.type) {
    case 'click':
      this._handleClick(interaction, viewRefs);
      break;
    case 'mousedown':
      this._handleMouseDown(interaction, viewRefs);
      break;
    case 'mousemove':
      this._handleMouseMove(interaction, viewRefs);
      break;
    case 'mouseup':
      this._handleMouseUp(interaction, viewRefs);
      break;
  }
}

_handleClick(interaction: ClickInteraction, viewRefs: ViewRefs) {
  const {location} = interaction.payload;
  if (rectContainsPoint(location, this.frame)) {
    if (rectContainsPoint(location, this._scrollThumbRect)) {
      // Ignore clicks on the track thumb directly.
      return;
    }
    const currentScrollThumbY = this._scrollThumbRect.origin.y;
    const y = location.y;
    const {height} = this.frame.size;
    // Scroll up or down about one viewport worth of content.
    const deltaY = (height / this._contentHeight) * height * 0.8;
    this.setScrollThumbY(
      y > currentScrollThumbY
        ? this._scrollThumbRect.origin.y + deltaY
        : this._scrollThumbRect.origin.y - deltaY,
    );
  }
  this._handleMouseDown(interaction: MouseDownInteraction, viewRefs: ViewRefs) {
    const {location} = interaction.payload;
    if (!rectContainsPoint(location, this._scrollThumbRect)) {
      return;
    }
    viewRefs.activeView = this;
    this.currentCursor = 'default';
    this._isScrolling = true;
    this.setNeedsDisplay();
  }

  _handleMouseMove(interaction: MouseMoveInteraction, viewRefs: ViewRefs) {
    const {event, location} = interaction.payload;
    if (rectContainsPoint(location, this.frame)) {
      if (viewRefs.hoveredView !== this) {
        viewRefs.hoveredView = this;
      }
      this.currentCursor = 'default';
    }
    if (viewRefs.activeView === this) {
      this.currentCursor = 'default';
      this.setScrollThumbY(
        this._scrollThumbRect.origin.y + event.movementY,
      );
    }
  }

  _handleMouseUp(interaction: MouseUpInteraction, viewRefs: ViewRefs) {
    if (viewRefs.activeView === this) {
      viewRefs.activeView = null;
    }
    if (this._isScrolling) {
      this._isScrolling = false;
      this.setNeedsDisplay();
    }
  }
}

/**
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 * @flow
 */
import type {Rect} from '../view-base';

export function positioningScaleFactor(
  intrinsicWidth: number,
  frame: Rect,
): number {
  return frame.size.width / intrinsicWidth;
}

export function timestampToPosition(
  timestamp: number,
  scaleFactor: number,
  frame: Rect,
): number {
  return frame.origin.x + timestamp * scaleFactor;
}

export function positionToTimestamp(
  position: number,
  scaleFactor: number,
  frame: Rect,
): number {
  return (position - frame.origin.x) / scaleFactor;
}

export function durationToWidth(
  duration: number,
  scaleFactor: number,
): number {
  return duration * scaleFactor;
}

export function widthToDuration(
  width: number,
  scaleFactor: number,
): number {
  return width / scaleFactor;
}

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source tree.\n * \n * @flow\n * \n\nimport type {SchedulingEvent} from './types';\n\nimport prettyMilliseconds
from 'pretty-ms';\n\nexport function formatTimestamp(ms: number): string {\n return (\n
ms.toLocaleString(undefined, {\n minimumFractionDigits: 1,\n maximumFractionDigits: 1,\n }) + 'ms'\n
);\n}\n\nexport function formatDuration(ms: number): string {\n return prettyMilliseconds(ms,
{millisecondsDecimalDigits: 1});\n}\n\nexport function trimString(string: string, length: number): string {\n if
(string.length > length) {\n return `${string.slice(0, length - 1)}...`;\n }\n return string;\n}\n\nexport function
getSchedulingEventLabel(event: SchedulingEvent): string | null {\n switch (event.type) {\n case 'schedule-
render':\n return 'render scheduled';\n case 'schedule-state-update':\n return 'state update scheduled';\n case
'schedule-force-update':\n return 'force update scheduled';\n default:\n return null;\n }\n}\n\n"/**\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n * \n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n * \n * @flow\n * \n\nimport type
{ReactComponentMeasure, TimelineData, ViewState} from './types';\nimport type {\n Interaction,\n
IntrinsicSize,\n MouseMoveInteraction,\n Rect,\n ViewRefs,\n} from './view-base';\nimport {\n
durationToWidth,\n positioningScaleFactor,\n positionToTimestamp,\n timestampToPosition,\n} from
'./utils/positioning';\nimport {drawText} from './utils/text';\nimport {formatDuration} from
'./utils/formatting';\nimport {\n View,\n Surface,\n rectContainsPoint,\n rectIntersectsRect,\n
intersectionOfRects,\n} from './view-base';\nimport {BORDER_SIZE, COLORS, NATIVE_EVENT_HEIGHT}
from './constants';\n\nconst ROW_WITH_BORDER_HEIGHT = NATIVE_EVENT_HEIGHT +
BORDER_SIZE;\n\nexport class ComponentMeasuresView extends View {\n _cachedSearchMatches: Map<string,
boolean>;\n _cachedSearchRegExp: RegExp | null = null;\n _hoveredComponentMeasure:
ReactComponentMeasure | null = null;\n _intrinsicSize: IntrinsicSize;\n _profilerData: TimelineData;\n
_viewState: ViewState;\n\n onHover: ((event: ReactComponentMeasure | null) => void) | null = null;\n\n
constructor(\n surface: Surface,\n frame: Rect,\n profilerData: TimelineData,\n viewState: ViewState,\n ) {\n
super(surface, frame);\n\n this._profilerData = profilerData;\n this._viewState = viewState;\n\n
this._cachedSearchMatches = new Map();\n this._cachedSearchRegExp = null;\n\n
viewState.onSearchRegExpStateChange(() => {\n this.setNeedsDisplay();\n });\n\n this._intrinsicSize = {\n
width: profilerData.duration,\n height: ROW_WITH_BORDER_HEIGHT,\n };;\n }\n\n desiredSize():
IntrinsicSize {\n return this._intrinsicSize;\n }\n\n setHoveredEvent(hoveredEvent: ReactComponentMeasure |
null) {\n if (this._hoveredComponentMeasure === hoveredEvent) {\n return;\n }\n
this._hoveredComponentMeasure = hoveredEvent;\n this.setNeedsDisplay();\n }\n\n /**\n * Draw a single
`ReactComponentMeasure` as a box/span with text inside of it.\n * \n * _drawSingleReactComponentMeasure(\n
context: CanvasRenderingContext2D,\n rect: Rect,\n componentMeasure: ReactComponentMeasure,\n
scaleFactor: number,\n showHoverHighlight: boolean,\n ): boolean {\n const {frame} = this;\n const
{componentName, duration, timestamp, type, warning} =\n componentMeasure;\n\n const xStart =
timestampToPosition(timestamp, scaleFactor, frame);\n const xStop = timestampToPosition(timestamp + duration,
scaleFactor, frame);\n const componentMeasureRect: Rect = {\n origin: {\n x: xStart,\n y:
frame.origin.y,\n },\n size: {width: xStop - xStart, height: NATIVE_EVENT_HEIGHT},\n };;\n if
(!rectIntersectsRect(componentMeasureRect, rect)) {\n return false; // Not in view\n }\n\n const width =
durationToWidth(duration, scaleFactor);\n if (width < 1) {\n return false; // Too small to render at this zoom
level\n }\n\n let textFillStyle = ((null: any): string);\n let typeLabel = ((null: any): string);\n\n const
drawableRect = intersectionOfRects(componentMeasureRect, rect);\n context.beginPath();\n if (warning !==
null) {\n context.fillStyle = showHoverHighlight\n ? COLORS.WARNING_BACKGROUND_HOVER\n
: COLORS.WARNING_BACKGROUND;\n } else {\n switch (type) {\n case 'render':\n
context.fillStyle = showHoverHighlight\n ? COLORS.REACT_RENDER_HOVER\n
: COLORS.REACT_RENDER;\n textFillStyle = COLORS.REACT_RENDER_TEXT;\n typeLabel =
'rendered';\n break;\n case 'layout-effect-mount':\n context.fillStyle = showHoverHighlight\n
? COLORS.REACT_LAYOUT_EFFECTS_HOVER\n : COLORS.REACT_LAYOUT_EFFECTS;\n
textFillStyle = COLORS.REACT_LAYOUT_EFFECTS_TEXT;\n typeLabel = 'mounted layout effect';\n

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break;\n    case 'layout-effect-unmount':\n        context.fillStyle = showHoverHighlight\n            ?\n        COLORS.REACT_LAYOUT_EFFECTS_HOVER\n            : COLORS.REACT_LAYOUT_EFFECTS;\n        textFillStyle = COLORS.REACT_LAYOUT_EFFECTS_TEXT;\n        typeLabel = 'unmounted layout effect';\n        break;\n    case 'passive-effect-mount':\n        context.fillStyle = showHoverHighlight\n            ?\n        COLORS.REACT_PASSIVE_EFFECTS_HOVER\n            : COLORS.REACT_PASSIVE_EFFECTS;\n        textFillStyle = COLORS.REACT_PASSIVE_EFFECTS_TEXT;\n        typeLabel = 'mounted passive effect';\n        break;\n    case 'passive-effect-unmount':\n        context.fillStyle = showHoverHighlight\n            ?\n        COLORS.REACT_PASSIVE_EFFECTS_HOVER\n            : COLORS.REACT_PASSIVE_EFFECTS;\n        textFillStyle = COLORS.REACT_PASSIVE_EFFECTS_TEXT;\n        typeLabel = 'unmounted passive effect';\n        break;\n    }\n    }\n    let isMatch = false;\n    const cachedSearchRegExp = this._cachedSearchRegExp;\n    if\n    (cachedSearchRegExp !== null) {\n        const cachedSearchMatches = this._cachedSearchMatches;\n        const\n        cachedValue = cachedSearchMatches.get(componentName);\n        if (cachedValue !== null) {\n            isMatch =\n            cachedValue;\n        } else {\n            isMatch = componentName.match(cachedSearchRegExp) !== null;\n            cachedSearchMatches.set(componentName, isMatch);\n        }\n    }\n    if (isMatch) {\n        context.fillStyle =\n        COLORS.SEARCH_RESULT_FILL;\n        }\n        context.fillRect(\n            drawableRect.origin.x,\n            drawableRect.origin.y,\n            drawableRect.size.width,\n            drawableRect.size.height,\n            );\n        const label =\n        `${componentName} ${typeLabel} - ${formatDuration(duration)}`;\n        drawText(label, context,\n        componentMeasureRect, drawableRect, {\n            fillStyle: textFillStyle,\n            });\n        return true;\n    }\n    draw(context: CanvasRenderingContext2D) {\n        const {\n            frame,\n            _profilerData: {componentMeasures},\n            _hoveredComponentMeasure,\n            visibleArea,\n            } = this;\n        const searchRegExp =\n        this._viewState.searchRegExp;\n        if (this._cachedSearchRegExp !== searchRegExp) {\n            this._cachedSearchMatches = new Map();\n            this._cachedSearchRegExp = searchRegExp;\n        }\n        context.fillStyle = COLORS.BACKGROUND;\n        context.fillRect(\n            visibleArea.origin.x,\n            visibleArea.origin.y,\n            visibleArea.size.width,\n            visibleArea.size.height,\n            );\n        // Draw events\n        const\n        scaleFactor = positioningScaleFactor(\n            this._intrinsicSize.width,\n            frame,\n            );\n        let didDrawMeasure =\n        false;\n        componentMeasures.forEach(componentMeasure => {\n            didDrawMeasure =\n            this._drawSingleReactComponentMeasure(\n                context,\n                visibleArea,\n                componentMeasure,\n                scaleFactor,\n                componentMeasure === _hoveredComponentMeasure,\n                ) || didDrawMeasure;\n            });\n        if (!didDrawMeasure) {\n            drawText(\n                '(zoom or pan to see React components)',\n                context,\n                visibleArea,\n                visibleArea,\n                {fillStyle: COLORS.TEXT_DIM_COLOR, textAlign: 'center'},\n                );\n            }\n        context.fillStyle = COLORS.PRIORITY_BORDER;\n        context.fillRect(\n            visibleArea.origin.x,\n            visibleArea.origin.y + ROW_WITH_BORDER_HEIGHT - BORDER_SIZE,\n            visibleArea.size.width,\n            BORDER_SIZE,\n            );\n        }\n        /**\n         * @private\n         *\n         * _handleMouseMove(interaction:\n        MouseMoveInteraction, viewRefs: ViewRefs) {\n            const {frame, _intrinsicSize, onHover, visibleArea} = this;\n            if (!onHover) {\n                return;\n            }\n            const {location} = interaction.payload;\n            if (!rectContainsPoint(location,\n            visibleArea)) {\n                onHover(null);\n                return;\n            }\n            const scaleFactor =\n            positioningScaleFactor(_intrinsicSize.width, frame);\n            const hoverTimestamp = positionToTimestamp(location.x,\n            scaleFactor, frame);\n            const componentMeasures = this._profilerData.componentMeasures;\n            for (let index =\n            componentMeasures.length - 1; index >= 0; index--) {\n                const componentMeasure =\n                componentMeasures[index];\n                const {duration, timestamp} = componentMeasure;\n                if (\n                hoverTimestamp >= timestamp &&\n                hoverTimestamp <= timestamp + duration\n                ) {\n                    this.currentCursor = 'context-menu';\n                    viewRefs.hoveredView = this;\n                    onHover(componentMeasure);\n                    return;\n                }\n            }\n            onHover(null);\n        }\n        handleInteraction(interaction: Interaction, viewRefs: ViewRefs)\n        {\n            switch (interaction.type) {\n                case 'mousemove':\n                    this._handleMouseMove(interaction, viewRefs);\n                    break;\n            }\n        }\n    }\n    /**\n     * Copyright (c) Meta Platforms, Inc. and affiliates.\n     * This source code is\n     licensed under the MIT license found in the\n     * LICENSE file in the root directory of this source tree.\n     *\n     * @flow\n     */\n    import type {\n        FlamechartStackFrame,\n        InternalModuleSourceToRanges,\n    } from\n    './types';\n    import {\n        CHROME_WEBSTORE_EXTENSION_ID,\n        INTERNAL_EXTENSION_ID,\n    }

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LOCAL_EXTENSION_ID,\n} from 'react-devtools-shared/src/constants';\n\nexport function isInternalModule(\n
internalModuleSourceToRanges: InternalModuleSourceToRanges,\n flamechartStackFrame:
FlamechartStackFrame,\n): boolean {\n  const {locationColumn, locationLine, scriptUrl} =
flamechartStackFrame;\n\n  if (scriptUrl == null || locationColumn == null || locationLine == null) {\n    // This
could indicate a browser-internal API like performance.mark().\n    return false;\n  }\n\n  // Internal modules are only
registered if DevTools was running when the profile was captured,\n  // but DevTools should also hide its own
frames to avoid over-emphasizing them.\n  if (\n    // Handle webpack-internal:// sources\n
scriptUrl.includes('/react-devtools') ||\n    scriptUrl.includes('/react_devtools') ||\n    // Filter out known extension
IDs\n    scriptUrl.includes(CHROME_WEBSTORE_EXTENSION_ID) ||\n    scriptUrl.includes(INTERNAL_EXTENSION_ID) ||\n    scriptUrl.includes(LOCAL_EXTENSION_ID)\n  )\n    // Unfortunately this won't get everything, like relatively loaded chunks or Web Worker files.\n    return true;\n  }\n\n  // Filter out React internal packages.\n  const ranges = internalModuleSourceToRanges.get(scriptUrl);\n  if
(ranges != null) {\n    for (let i = 0; i < ranges.length; i++) {\n      const [startStackFrame, stopStackFrame] =
ranges[i];\n\n      const isAfterStart =\n        locationLine > startStackFrame.lineNumber ||\n        (locationLine ===
startStackFrame.lineNumber &&\n          locationColumn >= startStackFrame.columnNumber);\n      const
isBeforeStop =\n        locationLine < stopStackFrame.lineNumber ||\n        (locationLine ===
stopStackFrame.lineNumber &&\n          locationColumn <= stopStackFrame.columnNumber);\n\n      if
(isAfterStart && isBeforeStop) {\n        return true;\n      }\n    }\n  }\n\n  return false;\n}\n\n"/**\n * Copyright (c)
Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n */\n\n * @flow\n */\n\ntype ColorSpace = number | {\n  min:
number, max: number, count?: number\n};\n\n// Docstrings from
https://www.w3schools.com/css/css_colors_hsl.asp\ntype HslaColor = $ReadOnly<{\n  /** Hue is a degree on the
color wheel from 0 to 360. 0 is red, 120 is green, and 240 is blue. *\n  h: number,\n  /** Saturation is a percentage
value, 0% means a shade of gray, and 100% is the full color. *\n  s: number,\n  /** Lightness is a percentage, 0% is
black, 50% is neither light or dark, 100% is white. *\n  l: number,\n  /** Alpha is a percentage, 0% is fully
transparent, and 100 is not transparent at all. *\n  a: number\n}>;\n\nexport function hslaColorToString({h, s, l, a}:
HslaColor): string {\n  return `hsl(${h}deg ${s}% ${l}% / ${a})`;\n}\n\nexport function dimmedColor(color:
HslaColor, dimDelta: number): HslaColor {\n  return {\n    ...color,\n    l: color.l - dimDelta,\n  };\n}\n\n// Source:
https://source.chromium.org/chromium/chromium/src/+master:out/Debug/gen/devtools/platform/utilities.js;l=120\n
function hashCode(string: string): number {\n  // Hash algorithm for substrings is described in "Über die
Komplexität der Multiplikation in\n  // eingeschränkten Branchingprogrammmodellen" by Woelfe.\n  //
http://opendatastructures.org/versions/edition-0.1d/ods-java/node33.html#SECTION00832000000000000000\n
const p = (1 << 30) * 4 - 5; // prime: 2^32 - 5\n  const z = 0x5033d967; // 32 bits from random.org\n  const z2 =
0x59d2f15d; // random odd 32 bit number\n  let s = 0;\n  let zi = 1;\n  for (let i = 0; i < string.length; i++) {\n    const
xi = string.charCodeAtAt(i) * z2;\n    s = (s + zi * xi) % p;\n    zi = (zi * z) % p;\n  }\n  s = (s + zi * (p - 1)) % p;\n
return Math.abs(s | 0);\n}\n\nfunction indexToValueInSpace(index: number, space: ColorSpace): number {\n  if
(typeof space === 'number') {\n    return space;\n  }\n  const count = space.count || space.max - space.min;\n  index
%= count;\n  return (\n    space.min + Math.floor((index / (count - 1)) * (space.max - space.min))\n  );\n}\n\n/**\n *
Deterministic color generator.\n */\n * Adapted from:
https://source.chromium.org/chromium/chromium/src/+master:out/Debug/gen/devtools/common/Color.js\n
*\n\nexport class ColorGenerator {\n  _hueSpace: ColorSpace;\n  _satSpace: ColorSpace;\n  _lightnessSpace:
ColorSpace;\n  _alphaSpace: ColorSpace;\n  _colors: Map<string, HslaColor>;\n\n  constructor(\n    hueSpace?:
ColorSpace,\n    satSpace?: ColorSpace,\n    lightnessSpace?: ColorSpace,\n    alphaSpace?: ColorSpace,\n  ) {\n
this._hueSpace = hueSpace || {min: 0, max: 360};\n    this._satSpace = satSpace || 67;\n    this._lightnessSpace =
lightnessSpace || 80;\n    this._alphaSpace = alphaSpace || 1;\n    this._colors = new Map();\n  }\n\n  setColorForID(id: string, color: HslaColor) {\n    this._colors.set(id, color);\n  }\n\n  colorForID(id: string):
HslaColor {\n    const cachedColor = this._colors.get(id);\n    if (cachedColor) {\n      return cachedColor;\n    }\n
const color = this._generateColorForID(id);\n    this._colors.set(id, color);\n    return color;\n  }\n}\n

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_generateColorForID(id: string): HslaColor {\n  const hash = hashCode(id);\n  return {\n    h:\n    indexToValueInSpace(hash, this._hueSpace),\n    s: indexToValueInSpace(hash >> 8, this._satSpace),\n    l:\n    indexToValueInSpace(hash >> 16, this._lightnessSpace),\n    a: indexToValueInSpace(hash >> 24,\n    this._alphaSpace),\n  };\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source\n code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport type {\n  Flamechart,\n  FlamechartStackFrame,\n  FlamechartStackLayer,\n  InternalModuleSourceToRanges,\n} from './types';\n\nimport type {\n  Interaction,\n  MouseMoveInteraction,\n  Rect,\n  Size,\n  ViewRefs,\n} from './view-base';\n\nimport {\n  BackgroundColorView,\n  Surface,\n  View,\n  layeredLayout,\n  rectContainsPoint,\n  intersectionOfRects,\n  rectIntersectsRect,\n  verticallyStackedLayout,\n} from './view-base';\n\nimport {isInternalModule} from './utils/moduleFilters';\n\nimport {\n  durationToWidth,\n  positioningScaleFactor,\n  timestampToPosition,\n} from './utils/positioning';\n\nimport {drawText} from\n './utils/text';\n\nimport {\n  COLORS,\n  FLAMECHART_FRAME_HEIGHT,\n  COLOR_HOVER_DIM_DELTA,\n  BORDER_SIZE,\n} from './constants';\n\nimport {ColorGenerator, dimmedColor, hslaColorToString} from\n './utils/colors';\n\n// Source:\n\nhttps://source.chromium.org/chromium/chromium/src+/master:out/Debug/gen/devtools/timeline/TimelineUIUtils.js\n;l=2109;dr=fb32e928d79707a693351b806b8710b2f6b7d399\n\nconst colorGenerator = new ColorGenerator(\n  {min: 30, max: 330},\n  {min: 50, max: 80, count: 3},\n  85,\n);\n\ncolorGenerator.setColorForID(", {h: 43.6, s: 45.8,\n l: 90.6, a: 100});\n\nfunction defaultHslaColorForStackFrame({scriptId}: FlamechartStackFrame) {\n  return\n  colorGenerator.colorForID(scriptId ?? "");\n}\n\nfunction defaultColorForStackFrame(stackFrame:\n FlamechartStackFrame): string {\n  const color = defaultHslaColorForStackFrame(stackFrame);\n  return\n  hslaColorToString(color);\n}\n\nfunction hoverColorForStackFrame(stackFrame: FlamechartStackFrame): string\n {\n  const color = dimmedColor(\n    defaultHslaColorForStackFrame(stackFrame),\n    COLOR_HOVER_DIM_DELTA,\n  );\n  return hslaColorToString(color);\n}\n\n\n\n\n\nclass FlamechartStackLayerView\n extends View {\n  /** Layer to display */\n  _stackLayer: FlamechartStackLayer;\n  /** A set of `stackLayer`'s\n frames, for efficient lookup. */\n  _stackFrameSet: Set<FlamechartStackFrame>;\n\n  _internalModuleSourceToRanges: InternalModuleSourceToRanges;\n  _intrinsicSize: Size;\n\n  _hoveredStackFrame: FlamechartStackFrame | null = null;\n  _onHover: ((node: FlamechartStackFrame | null) =>\n void) | null = null;\n\n  constructor(\n    surface: Surface,\n    frame: Rect,\n    stackLayer: FlamechartStackLayer,\n    internalModuleSourceToRanges: InternalModuleSourceToRanges,\n    duration: number,\n  ) {\n    super(surface,\n frame);\n    this._stackLayer = stackLayer;\n    this._stackFrameSet = new Set(stackLayer);\n\n    this._internalModuleSourceToRanges = internalModuleSourceToRanges;\n    this._intrinsicSize = {\n      width:\n      duration,\n      height: FLAMECHART_FRAME_HEIGHT,\n    };\n\n    desiredSize(): Size {\n      return\n      this._intrinsicSize;\n    }\n\n    setHoveredFlamechartStackFrame(\n      hoveredStackFrame: FlamechartStackFrame | null,\n    ) {\n      if (this._hoveredStackFrame === hoveredStackFrame) {\n        return; // We're already hovering over\n this frame\n      }\n\n      // Only care about frames displayed by this view.\n      const stackFrameToSet =\n hoveredStackFrame && this._stackFrameSet.has(hoveredStackFrame)\n       ? hoveredStackFrame\n       : null;\n\n      if (this._hoveredStackFrame === stackFrameToSet) {\n        return; // Resulting state is unchanged\n      }\n\n      this._hoveredStackFrame = stackFrameToSet;\n      this.setNeedsDisplay();\n    }\n\n    draw(context:\n CanvasRenderingContext2D) {\n      const {\n        frame,\n        _stackLayer,\n        _hoveredStackFrame,\n        _intrinsicSize,\n        visibleArea,\n      } = this;\n\n      context.fillStyle = COLORS.PRIORITY_BACKGROUND;\n\n      context.fillRect(\n        visibleArea.origin.x,\n        visibleArea.origin.y,\n        visibleArea.size.width,\n        visibleArea.size.height,\n      );\n\n      const scaleFactor = positioningScaleFactor(_intrinsicSize.width, frame);\n\n      for (let i = 0; i < _stackLayer.length; i++) {\n        const stackFrame = _stackLayer[i];\n        const {name, timestamp,\n duration} = stackFrame;\n\n        const width = durationToWidth(duration, scaleFactor);\n        if (width < 1) {\n          continue; // Too small to render at this zoom level\n        }\n\n        const x =\n Math.floor(timestampToPosition(timestamp, scaleFactor, frame));\n        const nodeRect: Rect = {\n          origin: {x, y:\n frame.origin.y},\n          size: {\n            width: Math.floor(width - BORDER_SIZE),\n            height:\n            Math.floor(FLAMECHART_FRAME_HEIGHT - BORDER_SIZE),\n          },\n        };

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(!rectIntersectsRect(nodeRect, visibleArea)) {\n    continue; // Not in view\n  }\n\n  const
showHoverHighlight = _hoveredStackFrame === _stackLayer[i];\n  let textFillStyle;\n  if
(isInternalModule(this._internalModuleSourceToRanges, stackFrame)) {\n    context.fillStyle =
showHoverHighlight\n      ? COLORS.INTERNAL_MODULE_FRAME_HOVER\n      :
COLORS.INTERNAL_MODULE_FRAME;\n    textFillStyle =
COLORS.INTERNAL_MODULE_FRAME_TEXT;\n  } else {\n    context.fillStyle = showHoverHighlight\n
      ? hoverColorForStackFrame(stackFrame)\n      : defaultColorForStackFrame(stackFrame);\n    textFillStyle
= COLORS.TEXT_COLOR;\n  }\n\n  const drawableRect = intersectionOfRects(nodeRect, visibleArea);\n
context.fillRect(\n    drawableRect.origin.x,\n    drawableRect.origin.y,\n    drawableRect.size.width,\n
drawableRect.size.height,\n  );\n\n  drawText(name, context, nodeRect, drawableRect, {\n    fillStyle:
textFillStyle,\n  });\n}\n\n// Render bottom border.\nconst borderFrame: Rect = {\n  origin: {\n    x:
frame.origin.x,\n    y: frame.origin.y + FLAMECHART_FRAME_HEIGHT - BORDER_SIZE,\n  },\n  size:
{\n    width: frame.size.width,\n    height: BORDER_SIZE,\n  },\n};\nif
(rectIntersectsRect(borderFrame, visibleArea)) {\n  const borderDrawableRect =
intersectionOfRects(borderFrame, visibleArea);\n  context.fillStyle = COLORS.PRIORITY_BORDER;\n
context.fillRect(\n    borderDrawableRect.origin.x,\n    borderDrawableRect.origin.y,\n
borderDrawableRect.size.width,\n    borderDrawableRect.size.height,\n  );\n}\n}\n\n/**\n * @private\n
*\n*_handleMouseMove(interaction: MouseMoveInteraction, viewRefs: ViewRefs) {\n  const [_stackLayer,
frame, _intrinsicSize, _onHover, visibleArea] = this;\n  const {location} = interaction.payload;\n  if (!_onHover ||
!rectContainsPoint(location, visibleArea)) {\n    return;\n  }\n\n  // Find the node being hovered over.\n  const
scaleFactor = positioningScaleFactor(_intrinsicSize.width, frame);\n  let startIndex = 0;\n  let stopIndex =
_stackLayer.length - 1;\n  while (startIndex <= stopIndex) {\n    const currentIndex = Math.floor((startIndex +
stopIndex) / 2);\n    const flamechartStackFrame = _stackLayer[currentIndex];\n    const {timestamp, duration} =
flamechartStackFrame;\n\n    const x = Math.floor(timestampToPosition(timestamp, scaleFactor, frame));\n
const width = durationToWidth(duration, scaleFactor);\n\n    // Don't show tooltips for nodes that are too small to
render at this zoom level.\n    if (Math.floor(width - BORDER_SIZE) >= 1) {\n      if (x <= location.x && x +
width >= location.x) {\n        this.currentCursor = 'context-menu';\n        viewRefs.hoveredView = this;\n
_onHover(flamechartStackFrame);\n        return;\n      }\n    }\n\n    if (x > location.x) {\n      stopIndex =
currentIndex - 1;\n    } else {\n      startIndex = currentIndex + 1;\n    }\n  }\n\n  _onHover(null);\n}\n\n
_didGrab: boolean = false;\n\nhandleInteraction(interaction: Interaction, viewRefs: ViewRefs) {\n  switch
(interaction.type) {\n    case 'mousemove':\n      this._handleMouseMove(interaction, viewRefs);\n      break;\n
  }\n}\n\nexport class FlamechartView extends View {\n  _flamechartRowViews: FlamechartStackLayerView[]
= [];\n\n  /** Container view that vertically stacks flamechart rows */\n  _verticalStackView: View;\n\n  _hoveredStackFrame: FlamechartStackFrame | null = null;\n  _onHover: ((node: FlamechartStackFrame | null) =>
void) | null = null;\n\n  constructor(\n    surface: Surface,\n    frame: Rect,\n    flamechart: Flamechart,\n
internalModuleSourceToRanges: InternalModuleSourceToRanges,\n    duration: number,\n  ) {\n    super(surface,
frame, layeredLayout);\n    this.setDataAndUpdateSubviews(\n      flamechart,\n
internalModuleSourceToRanges,\n      duration,\n    );\n  }\n\n  setDataAndUpdateSubviews(\n    flamechart:
Flamechart,\n    internalModuleSourceToRanges: InternalModuleSourceToRanges,\n    duration: number,\n  ) {\n
const {surface, frame, _onHover, _hoveredStackFrame} = this;\n\n    // Clear existing rows on data update\n    if
(this._verticalStackView) {\n      this.removeAllSubviews();\n      this._flamechartRowViews = [];\n    }\n\n    this._verticalStackView = new View(surface, frame, verticallyStackedLayout);\n    this._flamechartRowViews =
flamechart.map(stackLayer => {\n      const rowView = new FlamechartStackLayerView(\n        surface,\n
frame,\n        stackLayer,\n        internalModuleSourceToRanges,\n        duration,\n      );\n
this._verticalStackView.addSubview(rowView);\n\n      // Update states\n      rowView._onHover = _onHover;\n
rowView.setHoveredFlamechartStackFrame(_hoveredStackFrame);\n      return rowView;\n    });\n\n    // Add a
plain background view to prevent gaps from appearing between flamechartRowViews.\n    this.addSubview(new
BackgroundColorView(surface, frame));\n    this.addSubview(this._verticalStackView);\n  }\n}

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setHoveredFlamechartStackFrame(\n  hoveredStackFrame: FlamechartStackFrame | null,\n ) {\n
this._hoveredStackFrame = hoveredStackFrame;\n  this._flamechartRowViews.forEach(rowView =>\n
rowView.setHoveredFlamechartStackFrame(hoveredStackFrame),\n );\n }\n\n setOnHover(onHover: (node:
FlamechartStackFrame | null) => void) {\n  this._onHover = onHover;\n
this._flamechartRowViews.forEach(rowView => (rowView._onHover = onHover));\n }\n\n desiredSize(): {\n
height: number,\n  hideScrollBarIfLessThanHeight?: number,\n  maxInitialHeight?: number,\n  width: number,\n
} {\n  // Ignore the wishes of the background color view\n  const intrinsicSize =
this._verticalStackView.desiredSize();\n  return {\n    ...intrinsicSize,\n    // Collapsed by default\n
maxInitialHeight: 0,\n  }; }\n\n /**\n * @private\n */\n _handleMouseMove(interaction:
MouseMoveInteraction) {\n  const {_onHover, visibleArea} = this;\n  if (!_onHover) {\n    return;\n  }\n
const {location} = interaction.payload;\n  if (!rectContainsPoint(location, visibleArea)) {\n    // Clear out any
hovered flamechart stack frame\n    _onHover(null);\n  }\n }\n\n handleInteraction(interaction: Interaction) {\n
switch (interaction.type) {\n  case 'mousemove':\n    this._handleMouseMove(interaction);\n    break;\n }\n
}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport
type {NativeEvent, TimelineData} from './types';\nimport type {\n  Interaction,\n  IntrinsicSize,\n
MouseMoveInteraction,\n  Rect,\n  ViewRefs,\n} from './view-base';\nimport {\n  durationToWidth,\n
positioningScaleFactor,\n  positionToTimestamp,\n  timestampToPosition,\n} from './utils/positioning';\nimport
{drawText} from './utils/text';\nimport {formatDuration} from './utils/formatting';\nimport {\n  View,\n  Surface,\n
rectContainsPoint,\n  rectIntersectsRect,\n  intersectionOfRects,\n} from './view-base';\nimport {COLORS,
NATIVE_EVENT_HEIGHT, BORDER_SIZE} from './constants';\n\nconst ROW_WITH_BORDER_HEIGHT =
NATIVE_EVENT_HEIGHT + BORDER_SIZE;\n\nexport class NativeEventsView extends View {\n
  _depthToNativeEvent: Map<number, NativeEvent[]>;\n  _hoveredEvent: NativeEvent | null = null;\n
  _intrinsicSize: IntrinsicSize;\n  _maxDepth: number = 0;\n  _profilerData: TimelineData;\n\n  onHover: ((event:
NativeEvent | null) => void) | null = null;\n\n  constructor(surface: Surface, frame: Rect, profilerData: TimelineData)
{\n    super(surface, frame);\n\n    this._profilerData = profilerData;\n\n    this._performPreflightComputations();\n
  }\n\n  _performPreflightComputations() {\n    this._depthToNativeEvent = new Map();\n\n    const {duration,
nativeEvents} = this._profilerData;\n\n    nativeEvents.forEach(event => {\n      const depth = event.depth;\n
      this._maxDepth = Math.max(this._maxDepth, depth);\n\n      if (!this._depthToNativeEvent.has(depth)) {\n
        this._depthToNativeEvent.set(depth, [event]);\n      } else {\n        // $FlowFixMe[incompatible-use] This is
unnecessary.\n        this._depthToNativeEvent.get(depth).push(event);\n      }\n    });\n\n    this._intrinsicSize = {\n
      width: duration,\n      height: (this._maxDepth + 1) * ROW_WITH_BORDER_HEIGHT,\n
    }\n\n    hideScrollBarIfLessThanHeight: ROW_WITH_BORDER_HEIGHT,\n  }; }\n\n  desiredSize(): IntrinsicSize {\n
    return this._intrinsicSize;\n  }\n\n  setHoveredEvent(hoveredEvent: NativeEvent | null) {\n    if (this._hoveredEvent
=== hoveredEvent) {\n      return;\n    }\n\n    this._hoveredEvent = hoveredEvent;\n    this.setNeedsDisplay();\n  }\n\n
/**\n * Draw a single `NativeEvent` as a box/span with text inside of it.\n */\n  _drawSingleNativeEvent(\n
    context: CanvasRenderingContext2D,\n    rect: Rect,\n    event: NativeEvent,\n    baseY: number,\n    scaleFactor:
number,\n    showHoverHighlight: boolean,\n  ) {\n    const {frame} = this;\n    const {depth, duration, timestamp,
type, warning} = event;\n\n    baseY += depth * ROW_WITH_BORDER_HEIGHT;\n\n    const xStart =
timestampToPosition(timestamp, scaleFactor, frame);\n    const xStop = timestampToPosition(timestamp + duration,
scaleFactor, frame);\n    const eventRect: Rect = {\n      origin: {\n        x: xStart,\n        y: baseY,\n      },\n
      size: {\n        width: xStop - xStart, height: NATIVE_EVENT_HEIGHT,\n      },\n    }; \n    if (!rectIntersectsRect(eventRect, rect)) {\n
      return; // Not in view\n    }\n\n    const width = durationToWidth(duration, scaleFactor);\n    if (width < 1) {\n
      return; // Too small to render at this zoom level\n    }\n\n    const drawableRect = intersectionOfRects(eventRect,
rect);\n    context.beginPath();\n    if (warning !== null) {\n      context.fillStyle = showHoverHighlight\n      ?
COLORS.WARNING_BACKGROUND_HOVER\n      : COLORS.WARNING_BACKGROUND;\n    } else {\n      context.fillStyle = showHoverHighlight\n      ?
COLORS.NATIVE_EVENT_HOVER\n      :
COLORS.NATIVE_EVENT;\n    }\n    context.fillRect(\n      drawableRect.origin.x,\n      drawableRect.origin.y,\n

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drawableRect.size.width,\n  drawableRect.size.height,\n  );\n\n  const label = `${type} -
${formatDuration(duration)}`;\n\n  drawText(label, context, eventRect, drawableRect);\n } \n\n draw(context:
CanvasRenderingContext2D) {\n  const {\n    frame,\n    _profilerData: {nativeEvents},\n    _hoveredEvent,\n    visibleArea,\n  } = this;\n\n  context.fillStyle = COLORS.PRIORITY_BACKGROUND;\n  context.fillRect(\n
visibleArea.origin.x,\n  visibleArea.origin.y,\n  visibleArea.size.width,\n  visibleArea.size.height,\n  );\n\n  // Draw events\n  const scaleFactor = positioningScaleFactor(\n    this._intrinsicSize.width,\n    frame,\n  );\n\n  nativeEvents.forEach(event => {\n    this._drawSingleNativeEvent(\n      context,\n      visibleArea,\n      event,\n      frame.origin.y,\n      scaleFactor,\n      event === _hoveredEvent,\n    );\n  });\n\n  // Render
bottom borders.\n  for (let i = 0; i <= this._maxDepth; i++) {\n    const borderFrame: Rect = {\n      origin: {\n
x: frame.origin.x,\n      y: frame.origin.y + NATIVE_EVENT_HEIGHT,\n    },\n    size: {\n      width:
frame.size.width,\n      height: BORDER_SIZE,\n    },\n  }; \n    if (rectIntersectsRect(borderFrame,
visibleArea)) {\n      const borderDrawableRect = intersectionOfRects(\n        borderFrame,\n        visibleArea,\n
      );\n      context.fillStyle = COLORS.PRIORITY_BORDER;\n      context.fillRect(\n
borderDrawableRect.origin.x,\n        borderDrawableRect.origin.y,\n        borderDrawableRect.size.width,\n
borderDrawableRect.size.height,\n      );\n    } \n  } \n\n  /**\n   * @private\n   */\n  _handleMouseMove(interaction: MouseMoveInteraction, viewRefs: ViewRefs) {\n  const {frame, _intrinsicSize,
onHover, visibleArea} = this;\n  if (!onHover) {\n    return;\n  } \n\n  const {location} = interaction.payload;\n  if (!rectContainsPoint(location, visibleArea)) {\n    onHover(null);\n    return;\n  } \n\n  const scaleFactor =
positioningScaleFactor(_intrinsicSize.width, frame);\n  const hoverTimestamp = positionToTimestamp(location.x,
scaleFactor, frame);\n\n  const adjustedCanvasMouseY = location.y - frame.origin.y;\n  const depth =
Math.floor(adjustedCanvasMouseY / ROW_WITH_BORDER_HEIGHT);\n  const nativeEventsAtDepth =
this._depthToNativeEvent.get(depth);\n\n  if (nativeEventsAtDepth) {\n    // Find the event being hovered over.\n
    for (let index = nativeEventsAtDepth.length - 1; index >= 0; index--) {\n      const nativeEvent =
nativeEventsAtDepth[index];\n      const {duration, timestamp} = nativeEvent;\n\n      if (\n        hoverTimestamp
>= timestamp &&\n        hoverTimestamp <= timestamp + duration\n      ) {\n        viewRefs.hoveredView =
this;\n        onHover(nativeEvent);\n        return;\n      } \n    } \n\n    onHover(null);\n  } \n\n  handleInteraction(interaction: Interaction, viewRefs: ViewRefs) {\n  switch (interaction.type) {\n    case
'mousemove':\n      this._handleMouseMove(interaction, viewRefs);\n      break;\n  } \n\n  } \n\n  /**\n   *
Copyright (c) Meta Platforms, Inc. and affiliates.\n   * This source code is licensed under the MIT license found
in the\n   * LICENSE file in the root directory of this source tree.\n   * @flow\n   */\n\n  import type
{NetworkMeasure, TimelineData} from './types';\n  import type {\n    Interaction,\n    IntrinsicSize,\n    MouseMoveInteraction,\n    Rect,\n    ViewRefs,\n  } from './view-base';\n\n  import {\n    durationToWidth,\n    positioningScaleFactor,\n    positionToTimestamp,\n    timestampToPosition,\n  } from './utils/positioning';\n  import
{\n    drawText\n  } from './utils/text';\n  import {\n    formatDuration\n  } from './utils/formatting';\n  import {\n    View,\n    Surface,\n    rectContainsPoint,\n    rectIntersectsRect,\n    intersectionOfRects,\n  } from './view-base';\n  import {\n    BORDER_SIZE,\n    COLORS,\n    SUSPENSE_EVENT_HEIGHT\n  } from './constants';\n\n  const HEIGHT =
SUSPENSE_EVENT_HEIGHT; // TODO Constant name\n  const ROW_WITH_BORDER_HEIGHT = HEIGHT +
BORDER_SIZE;\n\n  const BASE_URL_REGEX = /(?:+:\/\/|\/(?:+\/|\/+));\n\n  export class NetworkMeasuresView
extends View {\n    _depthToNetworkMeasure: Map<number, NetworkMeasure[]>;\n    _hoveredNetworkMeasure:
NetworkMeasure | null = null;\n    _intrinsicSize: IntrinsicSize;\n    _maxDepth: number = 0;\n    _profilerData:
TimelineData;\n\n    onHover: ((event: NetworkMeasure | null) => void) | null = null;\n\n    constructor(surface:
Surface, frame: Rect, profilerData: TimelineData) {\n      super(surface, frame);\n\n      this._profilerData =
profilerData;\n\n      this._performPreflightComputations();\n    } \n\n    _performPreflightComputations() {\n
      this._depthToNetworkMeasure = new Map();\n\n      const {\n        duration,\n        networkMeasures\n      } = this._profilerData;\n\n      networkMeasures.forEach(event => {\n        const depth = event.depth;\n\n        this._maxDepth =
Math.max(this._maxDepth, depth);\n\n        if (!this._depthToNetworkMeasure.has(depth)) {\n          this._depthToNetworkMeasure.set(depth, [event]);\n        } else {\n          // $FlowFixMe[compatible-use] This is
unnecessary.\n          this._depthToNetworkMeasure.get(depth).push(event);\n        } \n      });\n\n      this._intrinsicSize =

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{\n width: duration,\n height: (this._maxDepth + 1) * ROW_WITH_BORDER_HEIGHT,\n // Collapsed
by default\n maxHeight: 0,\n });\n }\n\n desiredSize(): IntrinsicSize {\n return this._intrinsicSize;\n
}\n\n setHoveredEvent(networkMeasure: NetworkMeasure | null) {\n if (this._hoveredNetworkMeasure ===
networkMeasure) {\n return;\n }\n this._hoveredNetworkMeasure = networkMeasure;\n
this.setNeedsDisplay();\n }\n\n /**\n * Draw a single `NetworkMeasure` as a box/span with text inside of it.\n
*/\n _drawSingleNetworkMeasure(\n context: CanvasRenderingContext2D,\n networkMeasure:
NetworkMeasure,\n baseY: number,\n scaleFactor: number,\n showHoverHighlight: boolean,\n ) {\n const
{frame, visibleArea} = this;\n const {\n depth,\n finishTimestamp,\n firstReceivedDataTimestamp,\n
lastReceivedDataTimestamp,\n receiveResponseTimestamp,\n sendRequestTimestamp,\n url,\n } =
networkMeasure;\n\n // Account for requests that did not complete while we were profiling.\n // As well as
requests that did not receive data before finish (cached?).\n const duration = this._profilerData.duration;\n const
timestampBegin = sendRequestTimestamp;\n const timestampEnd =\n finishTimestamp ||
lastReceivedDataTimestamp || duration;\n const timestampMiddle =\n receiveResponseTimestamp ||
firstReceivedDataTimestamp || timestampEnd;\n\n // Convert all timestamps to x coordinates.\n const xStart =
timestampToPosition(timestampBegin, scaleFactor, frame);\n const xMiddle =
timestampToPosition(timestampMiddle, scaleFactor, frame);\n const xStop =
timestampToPosition(timestampEnd, scaleFactor, frame);\n\n const width = durationToWidth(xStop - xStart,
scaleFactor);\n if (width < 1) {\n return; // Too small to render at this zoom level\n }\n\n baseY += depth *
ROW_WITH_BORDER_HEIGHT;\n\n const outerRect: Rect = {\n origin: {\n x: xStart,\n y: baseY,\n
},\n size: {\n width: xStop - xStart,\n height: HEIGHT,\n },\n }; \n if
(!rectIntersectsRect(outerRect, visibleArea)) {\n return; // Not in view\n }\n\n // Draw the secondary rect first
(since it also shows as a thin border around the primary rect).\n let rect = {\n origin: {\n x: xStart,\n y:
baseY,\n },\n size: {\n width: xStop - xStart,\n height: HEIGHT,\n },\n }; \n if
(rectIntersectsRect(rect, visibleArea)) {\n context.beginPath();\n context.fillStyle =\n
this._hoveredNetworkMeasure === networkMeasure\n ? COLORS.NETWORK_SECONDARY_HOVER\n
: COLORS.NETWORK_SECONDARY;\n context.fillRect(\n rect.origin.x,\n rect.origin.y,\n
rect.size.width,\n rect.size.height,\n );\n }\n\n rect = {\n origin: {\n x: xStart + BORDER_SIZE,\n
y: baseY + BORDER_SIZE,\n },\n size: {\n width: xMiddle - xStart - BORDER_SIZE,\n height:
HEIGHT - BORDER_SIZE * 2,\n },\n }; \n if (rectIntersectsRect(rect, visibleArea)) {\n
context.beginPath();\n context.fillStyle =\n this._hoveredNetworkMeasure === networkMeasure\n ?
COLORS.NETWORK_PRIMARY_HOVER\n : COLORS.NETWORK_PRIMARY;\n context.fillRect(\n
rect.origin.x,\n rect.origin.y,\n rect.size.width,\n rect.size.height,\n );\n }\n\n const baseUrl =
url.match(BASE_URL_REGEX);\n const displayUrl = baseUrl !== null ? baseUrl[1] : url;\n\n const
durationLabel =\n finishTimestamp !== 0\n ? `${formatDuration(finishTimestamp -
sendRequestTimestamp)} -`\n : ` `;\n const label = durationLabel + displayUrl;\n drawText(label,
context, outerRect, visibleArea);\n }\n\n draw(context: CanvasRenderingContext2D) {\n const {\n frame,\n
_profilerData: {networkMeasures},\n _hoveredNetworkMeasure,\n visibleArea,\n } = this;\n\n
context.fillStyle = COLORS.PRIORITY_BACKGROUND;\n context.fillRect(\n visibleArea.origin.x,\n
visibleArea.origin.y,\n visibleArea.size.width,\n visibleArea.size.height,\n );\n\n const scaleFactor =
positioningScaleFactor(\n this._intrinsicSize.width,\n frame,\n );\n\n
networkMeasures.forEach(networkMeasure => {\n this._drawSingleNetworkMeasure(\n context,\n
networkMeasure,\n frame.origin.y,\n scaleFactor,\n networkMeasure === _hoveredNetworkMeasure,\n
);\n });\n\n // Render bottom borders.\n for (let i = 0; i <= this._maxDepth; i++) {\n const borderFrame:
Rect = {\n origin: {\n x: frame.origin.x,\n y: frame.origin.y + (i + 1) *
ROW_WITH_BORDER_HEIGHT - BORDER_SIZE,\n },\n size: {\n width: frame.size.width,\n
height: BORDER_SIZE,\n },\n }; \n if (rectIntersectsRect(borderFrame, visibleArea)) {\n const
borderDrawableRect = intersectionOfRects(\n borderFrame,\n visibleArea,\n );\n
context.fillStyle = COLORS.PRIORITY_BORDER;\n context.fillRect(\n borderDrawableRect.origin.x,\n

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borderDrawableRect.origin.y,\n      borderDrawableRect.size.width,\nborderDrawableRect.size.height,\n    );\n  }\n }\n }\n\n /**\n * @private\n */\n\n _handleMouseMove(interaction: MouseMoveInteraction, viewRefs: ViewRefs) {\n  const {frame, _intrinsicSize,\nonHover, visibleArea} = this;\n  if (!onHover) {\n    return;\n  }\n\n  const {location} = interaction.payload;\n  if (!rectContainsPoint(location, visibleArea)) {\n    onHover(null);\n    return;\n  }\n\n  const scaleFactor =\n    positioningScaleFactor(_intrinsicSize.width, frame);\n  const hoverTimestamp = positionToTimestamp(location.x,\nscaleFactor, frame);\n\n  const adjustedCanvasMouseY = location.y - frame.origin.y;\n  const depth =\n    Math.floor(adjustedCanvasMouseY / ROW_WITH_BORDER_HEIGHT);\n  const networkMeasuresAtDepth =\n    this._depthToNetworkMeasure.get(depth);\n\n  const duration = this._profilerData.duration;\n\n  if\n(networkMeasuresAtDepth) {\n    // Find the event being hovered over.\n    for (let index =\n      networkMeasuresAtDepth.length - 1; index >= 0; index--) {\n      const networkMeasure =\n        networkMeasuresAtDepth[index];\n      const {\n        finishTimestamp,\n        lastReceivedDataTimestamp,\n        sendRequestTimestamp,\n      } = networkMeasure;\n\n      const timestampBegin = sendRequestTimestamp;\n      const timestampEnd =\n        finishTimestamp || lastReceivedDataTimestamp || duration;\n\n      if (\n        hoverTimestamp >= timestampBegin &&\n        hoverTimestamp <= timestampEnd\n      ) {\n        this.currentCursor = 'context-menu';\n        viewRefs.hoveredView = this;\n        onHover(networkMeasure);\n        return;\n      }\n    }\n\n    if (viewRefs.hoveredView === this) {\n      viewRefs.hoveredView = null;\n    }\n\n    onHover(null);\n  }\n\n  handleInteraction(interaction: Interaction, viewRefs: ViewRefs) {\n    switch\n(interaction.type) {\n      case 'mousemove':\n        this._handleMouseMove(interaction, viewRefs);\n        break;\n    }\n  }\n\n  /**\n   * Copyright (c) Meta Platforms, Inc. and affiliates.\n   * This source code is licensed under the\n   MIT license found in the\n   * LICENSE file in the root directory of this source tree.\n   */\n\n  @flow\n  *\/\n\n  import\n  type {ReactLane, ReactMeasure, TimelineData} from './types';\n  import type {\n    Interaction,\n    IntrinsicSize,\n    MouseMoveInteraction,\n    Rect,\n    ViewRefs,\n  } from './view-base';\n  import {formatDuration} from\n    './utils/formatting';\n  import {drawText} from './utils/text';\n  import {\n    durationToWidth,\n    positioningScaleFactor,\n    positionToTimestamp,\n    timestampToPosition,\n  } from './utils/positioning';\n  import {\n    View,\n    Surface,\n    rectContainsPoint,\n    rectIntersectsRect,\n    intersectionOfRects,\n  } from './view-\nbase';\n  import {COLORS, BORDER_SIZE, REACT_MEASURE_HEIGHT} from './constants';\n  const\n    REACT_LANE_HEIGHT = REACT_MEASURE_HEIGHT + BORDER_SIZE;\n  const\n    MAX_ROWS_TO_SHOW_INITIALLY = 5;\n\n  export class ReactMeasuresView extends View {\n    _intrinsicSize:\n    IntrinsicSize;\n    _lanesToRender: ReactLane[];\n    _profilerData: TimelineData;\n    _hoveredMeasure: ReactMeasure\n    | null = null;\n\n    onHover: ((measure: ReactMeasure | null) => void) | null = null;\n\n    constructor(surface: Surface,\n      frame: Rect, profilerData: TimelineData) {\n      super(surface, frame);\n      this._profilerData = profilerData;\n      this._performPreflightComputations();\n    }\n\n    _performPreflightComputations() {\n      this._lanesToRender =\n        [];\n\n      // eslint-disable-next-line no-for-of-loops/no-for-of-loops\n      for (const [lane, measuresForLane] of\n        this._profilerData\n        .laneToReactMeasureMap) {\n        // Only show lanes with measures\n        if\n        (measuresForLane.length > 0) {\n          this._lanesToRender.push(lane);\n        }\n      }\n\n      this._intrinsicSize = {\n        width: this._profilerData.duration,\n        height: this._lanesToRender.length * REACT_LANE_HEIGHT,\n        hideScrollBarIfLessThanHeight: REACT_LANE_HEIGHT,\n        maxInitialHeight:\n        MAX_ROWS_TO_SHOW_INITIALLY * REACT_LANE_HEIGHT,\n      };\n\n      desiredSize(): IntrinsicSize\n      {\n        return this._intrinsicSize;\n      }\n\n      setHoveredMeasure(hoveredMeasure: ReactMeasure | null) {\n        if\n        (this._hoveredMeasure === hoveredMeasure) {\n          return;\n        }\n\n        this._hoveredMeasure = hoveredMeasure;\n        this.setNeedsDisplay();\n      }\n\n      /**\n       * Draw a single `ReactMeasure` as a bar in the canvas.\n       */\n\n      _drawSingleReactMeasure(\n        context: CanvasRenderingContext2D,\n        rect: Rect,\n        measure: ReactMeasure,\n        nextMeasure: ReactMeasure | null,\n        baseY: number,\n        scaleFactor: number,\n        showGroupHighlight:\n        boolean,\n        showHoverHighlight: boolean,\n      ): void {\n        const {frame, visibleArea} = this;\n        const {timestamp,\n          type, duration} = measure;\n\n        let fillStyle = null;\n        let hoveredFillStyle = null;\n        let groupSelectedFillStyle =\n          null;\n        let textFillStyle = null;\n\n        // We could change the max to 0 and just skip over rendering anything that\n        small,\n        // but this has the effect of making the chart look very empty when zoomed out.\n        // So long as perf is

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okay- it might be best to err on the side of showing things.\n  const width = durationToWidth(duration,
scaleFactor);\n  if (width <= 0) {\n    return; // Too small to render at this zoom level\n  }\n\n  const x =
timestampToPosition(timestamp, scaleFactor, frame);\n  const measureRect: Rect = {\n    origin: {x, y: baseY},\n    size: {width, height: REACT_MEASURE_HEIGHT},\n  };\n  if (!rectIntersectsRect(measureRect, rect)) {\n    return; // Not in view\n  }\n\n  const drawableRect = intersectionOfRects(measureRect, rect);\n  let textRect =
measureRect;\n\n  switch (type) {\n    case 'commit':\n      fillStyle = COLORS.REACT_COMMIT;\n      hoveredFillStyle = COLORS.REACT_COMMIT_HOVER;\n      groupSelectedFillStyle =
COLORS.REACT_COMMIT_HOVER;\n      textFillStyle = COLORS.REACT_COMMIT_TEXT;\n\n      //
Commit phase rects are overlapped by layout and passive rects,\n      // and it looks bad if text flows
underneath/behind these overlapped rects.\n      if (nextMeasure !== null) {\n        // This clipping shouldn't apply for
measures that don't overlap though,\n        // like passive effects that are processed after a delay,\n        // or if there
are now layout or passive effects and the next measure is render or idle.\n        if (nextMeasure.timestamp <
measure.timestamp + measure.duration) {\n          textRect = {\n            ...measureRect,\n            size: {\n
width:\n              timestampToPosition(\n                nextMeasure.timestamp,\n                scaleFactor,\n
frame,\n              ) - x,\n            height: REACT_MEASURE_HEIGHT,\n          },\n        };\n      }\n\n      break;\n    case 'render-idle':\n      // We could render idle time as diagonal hashes.\n      // This looks
nicer when zoomed in, but not so nice when zoomed out.\n      // color = context.createPattern(getIdlePattern(),
'repeat');\n      fillStyle = COLORS.REACT_IDLE;\n      hoveredFillStyle = COLORS.REACT_IDLE_HOVER;\n      groupSelectedFillStyle = COLORS.REACT_IDLE_HOVER;\n      break;\n    case 'render':\n      fillStyle =
COLORS.REACT_RENDER;\n      hoveredFillStyle = COLORS.REACT_RENDER_HOVER;\n      groupSelectedFillStyle = COLORS.REACT_RENDER_HOVER;\n      textFillStyle =
COLORS.REACT_RENDER_TEXT;\n      break;\n    case 'layout-effects':\n      fillStyle =
COLORS.REACT_LAYOUT_EFFECTS;\n      hoveredFillStyle =
COLORS.REACT_LAYOUT_EFFECTS_HOVER;\n      groupSelectedFillStyle =
COLORS.REACT_LAYOUT_EFFECTS_HOVER;\n      textFillStyle =
COLORS.REACT_LAYOUT_EFFECTS_TEXT;\n      break;\n    case 'passive-effects':\n      fillStyle =
COLORS.REACT_PASSIVE_EFFECTS;\n      hoveredFillStyle =
COLORS.REACT_PASSIVE_EFFECTS_HOVER;\n      groupSelectedFillStyle =
COLORS.REACT_PASSIVE_EFFECTS_HOVER;\n      textFillStyle =
COLORS.REACT_PASSIVE_EFFECTS_TEXT;\n      break;\n    default:\n      throw new Error(`Unexpected
measure type \"${type}\"`);\n  }\n\n  context.fillStyle = showHoverHighlight\n    ? hoveredFillStyle\n    :
showGroupHighlight\n    ? groupSelectedFillStyle\n    : fillStyle;\n  context.fillRect(\n
drawableRect.origin.x,\n  drawableRect.origin.y,\n  drawableRect.size.width,\n  drawableRect.size.height,\n
);\n\n  if (textFillStyle !== null) {\n    drawText(formatDuration(duration), context, textRect, visibleArea, {\n
fillStyle: textFillStyle,\n  });\n  }\n\n  draw(context: CanvasRenderingContext2D): void {\n    const {frame,
_hoveredMeasure, _lanesToRender, _profilerData, visibleArea} =\n    this;\n\n    context.fillStyle =
COLORS.PRIORITY_BACKGROUND;\n    context.fillRect(\n      visibleArea.origin.x,\n      visibleArea.origin.y,\n
      visibleArea.size.width,\n      visibleArea.size.height,\n    );\n\n    const scaleFactor = positioningScaleFactor(\n
this._intrinsicSize.width,\n    frame,\n  );\n\n    for (let i = 0; i < _lanesToRender.length; i++) {\n      const lane =
_lanesToRender[i];\n      const baseY = frame.origin.y + i * REACT_LANE_HEIGHT;\n      const measuresForLane
= _profilerData.laneToReactMeasureMap.get(lane);\n      if (!measuresForLane) {\n        throw new Error(\n
'No measures found for a React lane! This is a bug in this profiler tool. Please file an issue.',\n      );\n      }\n\n      //
Render lane labels\n      const label = _profilerData.laneToLabelMap.get(lane);\n      if (label === null) {\n
console.warn(`Could not find label for lane ${lane}.`);\n      } else {\n        const labelRect = {\n          origin: {\n
x: visibleArea.origin.x,\n          y: baseY,\n        },\n        size: {\n          width: visibleArea.size.width,\n
height: REACT_LANE_HEIGHT,\n        },\n      };\n        drawText(label, context, labelRect, visibleArea, {\n
fillStyle: COLORS.TEXT_DIM_COLOR,\n      });\n      }\n\n      // Draw measures\n      for (let j = 0; j <
measuresForLane.length; j++) {\n        const measure = measuresForLane[j];\n        const showHoverHighlight =

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_hoveredMeasure === measure;\n    const showGroupHighlight =\n        !!_hoveredMeasure &&\n        _hoveredMeasure.batchUID === measure.batchUID;\n    this._drawSingleReactMeasure(\n        context,\n        visibleArea,\n        measure,\n        measuresForLane[j + 1] || null,\n        baseY,\n        scaleFactor,\n        showGroupHighlight,\n        showHoverHighlight,\n        );\n    }\n    // Render bottom border\n    const\n    borderFrame: Rect = {\n        origin: {\n            x: frame.origin.x,\n            y: frame.origin.y + (i + 1) *\n            REACT_LANE_HEIGHT - BORDER_SIZE,\n        },\n        size: {\n            width: frame.size.width,\n            height:\n            BORDER_SIZE,\n        },\n    }; \n    if (rectIntersectsRect(borderFrame, visibleArea)) {\n        const\n        borderDrawableRect = intersectionOfRects(\n            borderFrame,\n            visibleArea,\n        );\n        context.fillStyle = COLORS.PRIORITY_BORDER;\n        context.fillRect(\n            borderDrawableRect.origin.x,\n            borderDrawableRect.origin.y,\n            borderDrawableRect.size.width,\n            borderDrawableRect.size.height,\n        );\n    }\n    }\n    /**\n     * @private\n     */\n    _handleMouseMove(interaction: MouseMoveInteraction, viewRefs: ViewRefs) {\n        const {\n            frame,\n            _intrinsicSize,\n            _lanesToRender,\n            onHover,\n            _profilerData,\n            visibleArea,\n        } = this;\n        if\n        (!onHover) {\n            return;\n        }\n        const {location} = interaction.payload;\n        if (!rectContainsPoint(location,\n            visibleArea)) {\n            onHover(null);\n            return;\n        }\n        // Identify the lane being hovered over\n        const\n        adjustedCanvasMouseY = location.y - frame.origin.y;\n        const renderedLaneIndex = Math.floor(\n            adjustedCanvasMouseY / REACT_LANE_HEIGHT,\n        );\n        if (renderedLaneIndex < 0 || renderedLaneIndex >=\n            _lanesToRender.length) {\n            onHover(null);\n            return;\n        }\n        const lane =\n            _lanesToRender[renderedLaneIndex];\n        // Find the measure in `lane` being hovered over.\n        // Because\n        data ranges may overlap, we want to find the last intersecting item.\n        // This will always be the one on "top" (the\n        one the user is hovering over).\n        const scaleFactor = positioningScaleFactor(_intrinsicSize.width, frame);\n        const hoverTimestamp = positionToTimestamp(location.x, scaleFactor, frame);\n        const measures =\n            _profilerData.laneToReactMeasureMap.get(lane);\n        if (!measures) {\n            onHover(null);\n            return;\n        }\n        for (let index = measures.length - 1; index >= 0; index--) {\n            const measure = measures[index];\n            const\n            {duration, timestamp} = measure;\n            if (\n                hoverTimestamp >= timestamp &&\n                hoverTimestamp <=\n                timestamp + duration\n            ) {\n                this.currentCursor = 'context-menu';\n                viewRefs.hoveredView = this;\n                onHover(measure);\n                return;\n            }\n        }\n        onHover(null);\n    }\n    handleInteraction(interaction:\n        Interaction, viewRefs: ViewRefs) {\n        switch (interaction.type) {\n            case 'mousemove':\n                this._handleMouseMove(interaction, viewRefs);\n                break;\n        }\n    }\n    /**\n     * Copyright (c) Meta\n     * Platforms, Inc. and affiliates.\n     * This source code is licensed under the MIT license found in the\n     * LICENSE\n     * file in the root directory of this source tree.\n     */\n    @flow\n    import type {SchedulingEvent, TimelineData}\n    from './types';\n    import type {\n        ClickInteraction,\n        Interaction,\n        MouseMoveInteraction,\n        Rect,\n        Size,\n        ViewRefs,\n    } from './view-base';\n    import {\n        positioningScaleFactor,\n        timestampToPosition,\n        positionToTimestamp,\n        widthToDuration,\n    } from './utils/positioning';\n    import {\n        View,\n        Surface,\n        rectContainsPoint,\n        rectIntersectsRect,\n        intersectionOfRects,\n    } from './view-base';\n    import {\n        COLORS,\n        TOP_ROW_PADDING,\n        REACT_EVENT_DIAMETER,\n        BORDER_SIZE,\n    } from './constants';\n    const\n    EVENT_ROW_HEIGHT_FIXED =\n        TOP_ROW_PADDING + REACT_EVENT_DIAMETER +\n        TOP_ROW_PADDING;\n    export class SchedulingEventsView extends View {\n        _profilerData: TimelineData;\n        _intrinsicSize: Size;\n        _hoveredEvent: SchedulingEvent | null = null;\n        onHover: ((event: SchedulingEvent | null)\n            => void) | null = null;\n        onClick: (\n            | ((event: SchedulingEvent | null, eventIndex: number | null)\n                => void)\n            | null\n            = null;\n        constructor(surface: Surface, frame: Rect, profilerData: TimelineData) {\n            super(surface, frame);\n            this._profilerData = profilerData;\n            this._intrinsicSize = {\n                width: this._profilerData.duration,\n                height:\n                EVENT_ROW_HEIGHT_FIXED,\n            }; \n            desiredSize(): Size {\n                return this._intrinsicSize;\n            }\n            setHoveredEvent(hoveredEvent: SchedulingEvent | null) {\n                if (this._hoveredEvent === hoveredEvent) {\n                    return;\n                }\n                this._hoveredEvent = hoveredEvent;\n                this.setNeedsDisplay();\n            }\n            /**\n             * Draw a single\n             * `SchedulingEvent` as a circle in the canvas.\n             */\n            _drawSingleSchedulingEvent(\n                context:\n                CanvasRenderingContext2D,\n                rect: Rect,\n                event: SchedulingEvent,\n                baseY: number,\n                scaleFactor:\n                number,\n                showHoverHighlight: boolean,\n            ) {\n                const {frame} = this;\n                const {timestamp, type, warning} =

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event;\n\n  const x = timestampToPosition(timestamp, scaleFactor, frame);\n  const radius =
  REACT_EVENT_DIAMETER / 2;\n  const eventRect: Rect = {\n    origin: {\n      x: x - radius,\n      y:
  baseY,\n    },\n    size: {width: REACT_EVENT_DIAMETER, height: REACT_EVENT_DIAMETER},\n  };\n  if (!rectIntersectsRect(eventRect, rect)) {\n    return; // Not in view\n  }\n  let fillStyle = null;\n  if (warning
  !== null) {\n    fillStyle = showHoverHighlight\n      ? COLORS.WARNING_BACKGROUND_HOVER\n      :
  COLORS.WARNING_BACKGROUND;\n  } else {\n    switch (type) {\n      case 'schedule-render':\n      case
  'schedule-state-update':\n      case 'schedule-force-update':\n        fillStyle = showHoverHighlight\n          ?
  COLORS.REACT_SCHEDULE_HOVER\n          : COLORS.REACT_SCHEDULE;\n        break;\n      default:\n        if (__DEV__) {\n          console.warn('Unexpected event type "%s"', type);\n        }\n        break;\n    }\n  }\n  if (fillStyle !== null) {\n    const y = eventRect.origin.y + radius;\n    context.beginPath();\n    context.fillStyle = fillStyle;\n    context.arc(x, y, radius, 0, 2 * Math.PI);\n    context.fill();\n  }\n  draw(context: CanvasRenderingContext2D) {\n    const {\n      frame,\n      _profilerData: {schedulingEvents},\n      _hoveredEvent,\n      visibleArea,\n    } = this;\n    context.fillStyle =
  COLORS.BACKGROUND;\n    context.fillRect(\n      visibleArea.origin.x,\n      visibleArea.origin.y,\n      visibleArea.size.width,\n      visibleArea.size.height,\n    );\n    // Draw events\n    const baseY = frame.origin.y +
  TOP_ROW_PADDING;\n    const scaleFactor = positioningScaleFactor(\n      this._intrinsicSize.width,\n      frame,\n    );\n    const highlightedEvents: SchedulingEvent[] = [];\n    schedulingEvents.forEach(event => {\n      if (event === _hoveredEvent) {\n        highlightedEvents.push(event);\n        return;\n      }\n      this._drawSingleSchedulingEvent(\n        context,\n        visibleArea,\n        event,\n        baseY,\n        scaleFactor,\n        false,\n      );\n    });\n    // Draw the highlighted items on top so they stand out.\n    // This is helpful if there are
  multiple (overlapping) items close to each other.\n    highlightedEvents.forEach(event => {\n      this._drawSingleSchedulingEvent(\n        context,\n        visibleArea,\n        event,\n        baseY,\n        scaleFactor,\n        true,\n      );\n    });\n    // Render bottom border.\n    // Propose border rect, check if intersects with `rect`, draw
  intersection.\n    const borderFrame: Rect = {\n      origin: {\n        x: frame.origin.x,\n        y: frame.origin.y +
  EVENT_ROW_HEIGHT_FIXED - BORDER_SIZE,\n      },\n      size: {\n        width: frame.size.width,\n        height: BORDER_SIZE,\n      },\n    };
  if (rectIntersectsRect(borderFrame, visibleArea)) {\n      const
  borderDrawableRect = intersectionOfRects(borderFrame, visibleArea);\n      context.fillStyle =
  COLORS.REACT_WORK_BORDER;\n      context.fillRect(\n        borderDrawableRect.origin.x,\n        borderDrawableRect.origin.y,\n        borderDrawableRect.size.width,\n        borderDrawableRect.size.height,\n      );\n    }\n  }\n  /**\n   * @private\n   * ^\n   * _handleMouseMove(interaction: MouseMoveInteraction, viewRefs:
  ViewRefs) {\n    const {frame, onHover, visibleArea} = this;\n    if (!onHover) {\n      return;\n    }\n    const
  {location} = interaction.payload;\n    if (!rectContainsPoint(location, visibleArea)) {\n      onHover(null);\n      return;\n    }\n    const {\n      _profilerData: {schedulingEvents},\n    } = this;\n    const scaleFactor =
  positioningScaleFactor(\n      this._intrinsicSize.width,\n      frame,\n    );\n    const hoverTimestamp =
  positionToTimestamp(location.x, scaleFactor, frame);\n    const eventTimestampAllowance = widthToDuration(\n      REACT_EVENT_DIAMETER / 2,\n      scaleFactor,\n    );\n    // Because data ranges may overlap, we want to
  find the last intersecting item.\n    // This will always be the one on "top" (the one the user is hovering over).\n    for
  (let index = schedulingEvents.length - 1; index >= 0; index--) {\n      const event = schedulingEvents[index];\n      const {timestamp} = event;\n      if ((\n        timestamp - eventTimestampAllowance <= hoverTimestamp &&\n        hoverTimestamp <= timestamp + eventTimestampAllowance\n      )) {\n        this.currentCursor = 'pointer';\n        viewRefs.hoveredView = this;\n        onHover(event);\n        return;\n      }\n    }\n    onHover(null);\n  }\n  /**\n   * @private\n   * ^\n   * _handleClick(interaction: ClickInteraction) {\n    const {onClick} = this;\n    if (onClick) {\n      const {\n        _profilerData: {schedulingEvents},\n      } = this;\n      const eventIndex =
  schedulingEvents.findIndex(\n        event => event === this._hoveredEvent,\n      );\n      // onHover is going to take
  care of all the difficult logic here of\n      // figuring out which event when they're proximity is close.\n      onClick(this._hoveredEvent, eventIndex >= 0 ? eventIndex : null);\n    }\n  }\n  handleInteraction(interaction:
  Interaction, viewRefs: ViewRefs) {\n    switch (interaction.type) {\n      case 'mousemove':\n        this._handleMouseMove(interaction, viewRefs);\n        break;\n      case 'click':\n

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this._handleClick(interaction);\n    break;\n  }\n }\n}" , "/*\n * Copyright (c) Meta Platforms, Inc. and
affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n *\n * @flow\n */\n\nimport type {Snapshot, TimelineData} from './types';\n\nimport
type {\n Interaction,\n Point,\n Rect,\n Size,\n Surface,\n ViewRefs,\n} from './view-base';\n\nimport
{positioningScaleFactor, timestampToPosition} from './utils/positioning';\n\nimport {\n intersectionOfRects,\n
rectContainsPoint,\n rectEqualToRect,\n View,\n} from './view-base';\n\nimport {BORDER_SIZE, COLORS,
SNAPSHOT_SCRUBBER_SIZE} from './constants';\n\n\ntype OnHover = (node: Snapshot | null) => void;\n\n\nexport
class SnapshotsView extends View {\n  _hoverLocation: Point | null = null;\n  _intrinsicSize: Size;\n  _profilerData:
TimelineData;\n\n  onHover: OnHover | null = null;\n\n  constructor(surface: Surface, frame: Rect, profilerData:
TimelineData) {\n    super(surface, frame);\n\n    this._intrinsicSize = {\n      width: profilerData.duration,\n
height: profilerData.snapshotHeight,\n    };\n    this._profilerData = profilerData;\n  }\n\n  desiredSize(): Size {\n
return this._intrinsicSize;\n  }\n\n  draw(context: CanvasRenderingContext2D) {\n    const snapshotHeight =
this._profilerData.snapshotHeight;\n    const {visibleArea} = this;\n\n    context.fillStyle =
COLORS.BACKGROUND;\n    context.fillRect(\n      visibleArea.origin.x,\n      visibleArea.origin.y,\n
visibleArea.size.width,\n      visibleArea.size.height,\n    );\n\n    const y = visibleArea.origin.y;\n\n    let x =
visibleArea.origin.x;\n\n    // Rather than drawing each snapshot where it occurred,\n    // draw them at fixed
intervals and just show the nearest one.\n    while (x < visibleArea.origin.x + visibleArea.size.width) {\n      const
snapshot = this._findClosestSnapshot(x);\n      if (snapshot === null) {\n        // This should never happen.\n
break;\n      }\n\n      const scaledHeight = snapshotHeight;\n      const scaledWidth = (snapshot.width *
snapshotHeight) / snapshot.height;\n\n      const imageRect: Rect = {\n        origin: {\n          x,\n          y,\n
        },\n        size: {width: scaledWidth, height: scaledHeight},\n      };\n\n      // Lazily create and cache Image objects as we
render a snapshot for the first time.\n      if (snapshot.image === null) {\n        const img = (snapshot.image = new
Image());\n        img.onload = () => {\n          this._drawSnapshotImage(context, snapshot, imageRect);\n        };\n
img.src = snapshot.imageSource;\n      } else {\n        this._drawSnapshotImage(context, snapshot, imageRect);\n
      }\n\n      x += scaledWidth + BORDER_SIZE;\n    }\n\n    const hoverLocation = this._hoverLocation;\n    if
(hoverLocation !== null) {\n      const scrubberWidth = SNAPSHOT_SCRUBBER_SIZE + BORDER_SIZE * 2;\n      const
scrubberOffset = scrubberWidth / 2;\n\n      context.fillStyle = COLORS.SCRUBBER_BORDER;\n      context.fillRect(\n
        hoverLocation.x - scrubberOffset,\n        visibleArea.origin.y,\n        scrubberWidth,\n
visibleArea.size.height,\n      );\n\n      context.fillStyle = COLORS.SCRUBBER_BACKGROUND;\n      context.fillRect(\n
        hoverLocation.x - scrubberOffset + BORDER_SIZE,\n        visibleArea.origin.y,\n
        SNAPSHOT_SCRUBBER_SIZE,\n        visibleArea.size.height,\n      );\n    }\n\n    handleInteraction(interaction:
Interaction, viewRefs: ViewRefs) {\n      switch (interaction.type) {\n        case 'mousemove':\n        case 'wheel-
control':\n        case 'wheel-meta':\n        case 'wheel-plain':\n        case 'wheel-shift':\n          this._updateHover(interaction.payload.location, viewRefs);\n          break;\n        }\n      }\n\n      _drawSnapshotImage(\n
context: CanvasRenderingContext2D,\n      snapshot: Snapshot,\n      imageRect: Rect,\n    ) {\n      const visibleArea =
this.visibleArea;\n\n      // Prevent snapshot from visibly overflowing its container when clipped.\n      // View clips by
default, but since this view may draw async (on Image load) we re-clip.\n      const shouldClip =
!rectEqualToRect(imageRect, visibleArea);\n      if (shouldClip) {\n        const clippedRect =
intersectionOfRects(imageRect, visibleArea);\n        context.save();\n        context.beginPath();\n        context.rect(\n
          clippedRect.origin.x,\n          clippedRect.origin.y,\n          clippedRect.size.width,\n          clippedRect.size.height,\n
        );\n        context.closePath();\n        context.clip();\n      }\n\n      context.fillStyle =
COLORS.REACT_RESIZE_BAR_BORDER;\n      context.fillRect(\n        imageRect.origin.x,\n
imageRect.origin.y,\n        imageRect.size.width,\n        imageRect.size.height,\n      );\n\n      //
$FlowFixMe[incompatible-call] Flow doesn't know about the 9 argument variant of drawImage()\n      context.drawImage(\n
        snapshot.image,\n\n        // Image coordinates\n        0,\n        0,\n\n        // Native image size\n
        snapshot.width,\n        snapshot.height,\n\n        // Canvas coordinates\n        imageRect.origin.x + BORDER_SIZE,\n
imageRect.origin.y + BORDER_SIZE,\n\n        // Scaled image size\n        imageRect.size.width - BORDER_SIZE *
2,\n        imageRect.size.height - BORDER_SIZE * 2,\n      );\n\n      if (shouldClip) {\n        context.restore();\n      }\n
}

```

```

}\n\n _findClosestSnapshot(x: number): Snapshot | null {\n  const frame = this.frame;\n  const scaleFactor =
positioningScaleFactor(\n  this._intrinsicSize.width,\n  frame,\n  );\n\n  const snapshots =
this._profilerData.snapshots;\n\n  let startIndex = 0;\n  let stopIndex = snapshots.length - 1;\n  while (startIndex
<= stopIndex) {\n    const currentIndex = Math.floor((startIndex + stopIndex) / 2);\n    const snapshot =
snapshots[currentIndex];\n    const {timestamp} = snapshot;\n\n    const snapshotX = Math.floor(\n
timestampToPosition(timestamp, scaleFactor, frame),\n    );\n\n    if (x < snapshotX) {\n      stopIndex =
currentIndex - 1;\n    } else {\n      startIndex = currentIndex + 1;\n    }\n  }\n\n  return snapshots[stopIndex] ||
null;\n}\n\n /**\n * @private\n */\n _updateHover(location: Point, viewRefs: ViewRefs) {\n  const {onHover,
visibleArea} = this;\n  if (!onHover) {\n    return;\n  }\n\n  if (!rectContainsPoint(location, visibleArea)) {\n
if (this._hoverLocation !== null) {\n    this._hoverLocation = null;\n\n    this.setNeedsDisplay();\n  }\n\n  onHover(null);\n  return;\n}\n\n  const snapshot = this._findClosestSnapshot(location.x);\n  if (snapshot !===
null) {\n    this._hoverLocation = location;\n\n    onHover(snapshot);\n  } else {\n    this._hoverLocation =
null;\n\n    onHover(null);\n  }\n\n  // Any time the mouse moves within the boundaries of this view, we need to
re-render.\n  // This is because we draw a scrubbing bar that shows the location corresponding to the current
tooltip.\n  this.setNeedsDisplay();\n}\n}\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This
source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\nimport type {SuspenseEvent, TimelineData} from './types';\nimport type {\n
Interaction,\n IntrinsicSize,\n MouseMoveInteraction,\n Rect,\n ViewRefs,\n} from './view-base';\nimport {\n
durationToWidth,\n positioningScaleFactor,\n positionToTimestamp,\n timestampToPosition,\n
widthToDuration,\n} from './utils/positioning';\nimport {drawText} from './utils/text';\nimport {formatDuration}
from './utils/formatting';\nimport {\n View,\n Surface,\n rectContainsPoint,\n rectIntersectsRect,\n
intersectionOfRects,\n} from './view-base';\nimport {\n BORDER_SIZE,\n COLORS,\n
PENDING_SUSPENSE_EVENT_SIZE,\n SUSPENSE_EVENT_HEIGHT,\n} from './constants';\nconst
ROW_WITH_BORDER_HEIGHT = SUSPENSE_EVENT_HEIGHT + BORDER_SIZE;\nconst
MAX_ROWS_TO_SHOW_INITIALLY = 3;\n\nexport class SuspenseEventsView extends View {\n
_depthToSuspenseEvent: Map<number, SuspenseEvent[]>;\n _hoveredEvent: SuspenseEvent | null = null;\n
_intrinsicSize: IntrinsicSize;\n _maxDepth: number = 0;\n _profilerData: TimelineData;\n\n onHover: ((event:
SuspenseEvent | null) => void) | null = null;\n\n constructor(surface: Surface, frame: Rect, profilerData:
TimelineData) {\n  super(surface, frame);\n\n  this._profilerData = profilerData;\n\n  this._performPreflightComputations();\n}\n\n _performPreflightComputations() {\n
this._depthToSuspenseEvent = new Map();\n\n  const {duration, suspenseEvents} = this._profilerData;\n\n  suspenseEvents.forEach(event => {\n    const depth = event.depth;\n\n    this._maxDepth =
Math.max(this._maxDepth, depth);\n\n    if (!this._depthToSuspenseEvent.has(depth)) {\n
this._depthToSuspenseEvent.set(depth, [event]);\n    } else {\n      // $FlowFixMe[compatible-use] This is
unnecessary.\n      this._depthToSuspenseEvent.get(depth).push(event);\n    }\n  });\n\n  this._intrinsicSize =
{\n    width: duration,\n    height: (this._maxDepth + 1) * ROW_WITH_BORDER_HEIGHT,\n
hideScrollBarIfLessThanHeight: ROW_WITH_BORDER_HEIGHT,\n    maxInitialHeight:
ROW_WITH_BORDER_HEIGHT * MAX_ROWS_TO_SHOW_INITIALLY,\n  }; \n\n  desiredSize():
IntrinsicSize {\n    return this._intrinsicSize;\n  }\n\n  setHoveredEvent(hoveredEvent: SuspenseEvent | null) {\n  if
(this._hoveredEvent === hoveredEvent) {\n    return;\n  }\n\n  this._hoveredEvent = hoveredEvent;\n
this.setNeedsDisplay();\n}\n\n  /**\n * Draw a single `SuspenseEvent` as a box/span with text inside of it.\n */\n
_drawSingleSuspenseEvent(\n  context: CanvasRenderingContext2D,\n  rect: Rect,\n  event: SuspenseEvent,\n
baseY: number,\n  scaleFactor: number,\n  showHoverHighlight: boolean,\n ) {\n  const {frame} = this;\n
const {\n    componentName,\n    depth,\n    duration,\n    phase,\n    promiseName,\n    resolution,\n
timestamp,\n    warning,\n  } = event;\n\n  baseY += depth * ROW_WITH_BORDER_HEIGHT;\n\n  let
fillStyle = ((null: any): string);\n  if (warning !== null) {\n    fillStyle = showHoverHighlight\n    ?
COLORS.WARNING_BACKGROUND_HOVER\n    : COLORS.WARNING_BACKGROUND;\n  } else {\n
switch (resolution) {\n    case 'rejected':\n      fillStyle = showHoverHighlight\n      ?

```



```

COLORS.REACT_SUSPENSE_REJECTED_EVENT_HOVER\n      :
COLORS.REACT_SUSPENSE_REJECTED_EVENT;\n      break;\n      case 'resolved':\n        fillStyle =
showHoverHighlight\n        ? COLORS.REACT_SUSPENSE_RESOLVED_EVENT_HOVER\n        :
COLORS.REACT_SUSPENSE_RESOLVED_EVENT;\n      break;\n      case 'unresolved':\n        fillStyle =
showHoverHighlight\n        ? COLORS.REACT_SUSPENSE_UNRESOLVED_EVENT_HOVER\n        :
COLORS.REACT_SUSPENSE_UNRESOLVED_EVENT;\n      break;\n    }\n  }\n\n  const xStart =
timestampToPosition(timestamp, scaleFactor, frame);\n  // Pending suspense events (ones that never resolved)
won't have durations.\n  // So instead we draw them as diamonds.\n  if (duration === null) {\n    const size =
PENDING_SUSPENSE_EVENT_SIZE;\n    const halfSize = size / 2;\n    baseY +=
(SUSPENSE_EVENT_HEIGHT - PENDING_SUSPENSE_EVENT_SIZE) / 2;\n    const y = baseY +
halfSize;\n\n    const suspenseRect: Rect = {\n      origin: {\n        x: xStart - halfSize,\n        y: baseY,\n      },\n      size: {width: size, height: size},\n    }; \n    if (!rectIntersectsRect(suspenseRect, rect)) {\n      return; //
Not in view\n    }\n\n    context.beginPath();\n    context.fillStyle = fillStyle;\n    context.moveTo(xStart, y -
halfSize);\n    context.lineTo(xStart + halfSize, y);\n    context.lineTo(xStart, y + halfSize);\n    context.lineTo(xStart - halfSize, y);\n    context.fill();\n  } else {\n    const xStop = timestampToPosition(\n
timestamp + duration,\n    scaleFactor,\n    frame,\n  );\n    const eventRect: Rect = {\n      origin: {\n        x: xStart,\n        y: baseY,\n      },\n      size: {width: xStop - xStart, height: SUSPENSE_EVENT_HEIGHT},\n    };\n    if (!rectIntersectsRect(eventRect, rect)) {\n      return; // Not in view\n    }\n\n    const width =
durationToWidth(duration, scaleFactor);\n    if (width < 1) {\n      return; // Too small to render at this zoom
level\n    }\n\n    const drawableRect = intersectionOfRects(eventRect, rect);\n    context.beginPath();\n    context.fillStyle = fillStyle;\n    context.fillRect(\n      drawableRect.origin.x,\n      drawableRect.origin.y,\n      drawableRect.size.width,\n      drawableRect.size.height,\n    );\n\n    let label = 'suspended';\n    if
(promiseName !== null) {\n      label = promiseName;\n    } else if (componentName !== null) {\n      label =
`${componentName} ${label}`;\n    }\n    if (phase !== null) {\n      label += ` during ${phase}`;\n    }\n    if
(resolution !== 'unresolved') {\n      label += ` - ${formatDuration(duration)}`;\n    }\n\n    drawText(label,
context, eventRect, drawableRect);\n  } }\n\n  draw(context: CanvasRenderingContext2D) {\n    const {\n      frame,\n      _profilerData: {suspenseEvents},\n      _hoveredEvent,\n      visibleArea,\n    } = this;\n\n    context.fillStyle = COLORS.PRIORITY_BACKGROUND;\n    context.fillRect(\n      visibleArea.origin.x,\n      visibleArea.origin.y,\n      visibleArea.size.width,\n      visibleArea.size.height,\n    );\n\n    // Draw events\n    const
scaleFactor = positioningScaleFactor(\n      this._intrinsicSize.width,\n      frame,\n    );\n\n    suspenseEvents.forEach(event => {\n      this._drawSingleSuspenseEvent(\n        context,\n        visibleArea,\n        event,\n        frame.origin.y,\n        scaleFactor,\n        event === _hoveredEvent,\n      );\n    });\n\n    // Render
bottom borders.\n    for (let i = 0; i <= this._maxDepth; i++) {\n      const borderFrame: Rect = {\n        origin: {\n          x: frame.origin.x,\n          y: frame.origin.y + (i + 1) * ROW_WITH_BORDER_HEIGHT - BORDER_SIZE,\n        },\n        size: {\n          width: frame.size.width,\n          height: BORDER_SIZE,\n        },\n      }; \n      if
(rectIntersectsRect(borderFrame, visibleArea)) {\n        const borderDrawableRect = intersectionOfRects(\n          borderFrame,\n          visibleArea,\n        );\n        context.fillStyle = COLORS.REACT_WORK_BORDER;\n        context.fillRect(\n          borderDrawableRect.origin.x,\n          borderDrawableRect.origin.y,\n          borderDrawableRect.size.width,\n          borderDrawableRect.size.height,\n        );\n      } }\n\n    /**\n     *
@private\n     */\n    _handleMouseMove(interaction: MouseMoveInteraction, viewRefs: ViewRefs) {\n      const
{frame, _intrinsicSize, onHover, visibleArea} = this;\n      if (!onHover) {\n        return;\n      }\n\n      const {location} =
interaction.payload;\n      if (!rectContainsPoint(location, visibleArea)) {\n        onHover(null);\n        return;\n      }\n\n      const scaleFactor = positioningScaleFactor(_intrinsicSize.width, frame);\n      const hoverTimestamp =
positionToTimestamp(location.x, scaleFactor, frame);\n\n      const adjustedCanvasMouseY = location.y -
frame.origin.y;\n      const depth = Math.floor(adjustedCanvasMouseY / ROW_WITH_BORDER_HEIGHT);\n      const suspenseEventsAtDepth = this._depthToSuspenseEvent.get(depth);\n\n      if (suspenseEventsAtDepth) {\n        //
Find the event being hovered over.\n        for (let index = suspenseEventsAtDepth.length - 1; index >= 0; index--) {\n          const suspenseEvent = suspenseEventsAtDepth[index];\n          const {duration, timestamp} = suspenseEvent;\n

```

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    if (duration === null) {\n      const timestampAllowance = widthToDuration(\n
PENDING_SUSPENSE_EVENT_SIZE / 2,\n      scaleFactor,\n    );\n\n    if (\n      timestamp -\n      timestampAllowance <= hoverTimestamp &&\n      hoverTimestamp <= timestamp + timestampAllowance\n    ) {\n      this.currentCursor = 'context-menu';\n      viewRefs.hoveredView = this;\n      onHover(suspenseEvent);\n      return;\n    } else if (\n      hoverTimestamp >= timestamp &&\n      hoverTimestamp <= timestamp + duration\n    ) {\n      this.currentCursor = 'context-menu';\n      viewRefs.hoveredView = this;\n      onHover(suspenseEvent);\n      return;\n    }\n  }\n\n  onHover(null);\n}\n\nhandleInteraction(interaction: Interaction, viewRefs: ViewRefs) {\n  switch\n  (interaction.type) {\n    case 'mousemove':\n      this._handleMouseMove(interaction, viewRefs);\n      break;\n  }\n}\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the\n * MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n * @flow\n */\n\nimport\n  type { ThrownError, TimelineData } from './types';\nimport type {\n  Interaction,\n  MouseMoveInteraction,\n  Rect,\n  Size,\n  ViewRefs,\n} from './view-base';\nimport {\n  positioningScaleFactor,\n  timestampToPosition,\n  positionToTimestamp,\n  widthToDuration,\n} from './utils/positioning';\nimport {\n  View,\n  Surface,\n  rectContainsPoint,\n  rectIntersectsRect,\n  intersectionOfRects,\n} from './view-base';\nimport {\n  COLORS,\n  TOP_ROW_PADDING,\n  REACT_EVENT_DIAMETER,\n  BORDER_SIZE,\n} from './constants';\n\nconst\n  EVENT_ROW_HEIGHT_FIXED =\n  TOP_ROW_PADDING + REACT_EVENT_DIAMETER +\n  TOP_ROW_PADDING;\n\nexport class ThrownErrorsView extends View {\n  _profilerData: TimelineData;\n  _intrinsicSize: Size;\n  _hoveredEvent: ThrownError | null = null;\n  onHover: ((event: ThrownError | null) => void)\n  | null = null;\n\n  constructor(surface: Surface, frame: Rect, profilerData: TimelineData) {\n    super(surface,\n      frame);\n    this._profilerData = profilerData;\n\n    this._intrinsicSize = {\n      width: this._profilerData.duration,\n      height: EVENT_ROW_HEIGHT_FIXED,\n    };\n\n    desiredSize(): Size {\n      return this._intrinsicSize;\n    }\n\n    setHoveredEvent(hoveredEvent: ThrownError | null) {\n      if (this._hoveredEvent === hoveredEvent) {\n        return;\n      }\n      this._hoveredEvent = hoveredEvent;\n      this.setNeedsDisplay();\n    }\n\n    /**\n     * Draw a single\n     * `ThrownError` as a circle in the canvas.\n     */\n    _drawSingleThrownError(\n      context:\n      CanvasRenderingContext2D,\n      rect: Rect,\n      thrownError: ThrownError,\n      baseY: number,\n      scaleFactor:\n      number,\n      showHoverHighlight: boolean,\n    ) {\n      const { frame } = this;\n      const { timestamp } =\n      thrownError;\n      const x = timestampToPosition(timestamp, scaleFactor, frame);\n      const radius =\n      REACT_EVENT_DIAMETER / 2;\n      const eventRect: Rect = {\n        origin: {\n          x: x - radius,\n          y:\n          baseY,\n        },\n        size: {width: REACT_EVENT_DIAMETER, height: REACT_EVENT_DIAMETER},\n      };\n      if (!rectIntersectsRect(eventRect, rect)) {\n        return; // Not in view\n      }\n      const fillStyle =\n      showHoverHighlight\n      ? COLORS.REACT_THROWN_ERROR_HOVER\n      :\n      COLORS.REACT_THROWN_ERROR;\n\n      const y = eventRect.origin.y + radius;\n\n      context.beginPath();\n      context.fillStyle = fillStyle;\n      context.arc(x, y, radius, 0, 2 * Math.PI);\n      context.fill();\n    }\n\n    draw(context:\n      CanvasRenderingContext2D) {\n      const {\n        frame,\n        _profilerData: {thrownErrors},\n        _hoveredEvent,\n        visibleArea,\n      } = this;\n      context.fillStyle = COLORS.BACKGROUND;\n      context.fillRect(\n        visibleArea.origin.x,\n        visibleArea.origin.y,\n        visibleArea.size.width,\n        visibleArea.size.height,\n      );\n\n      // Draw events\n      const baseY = frame.origin.y + TOP_ROW_PADDING;\n      const scaleFactor =\n      positioningScaleFactor(\n        this._intrinsicSize.width,\n        frame,\n      );\n\n      const highlightedEvents:\n      ThrownError[] = [];\n      thrownErrors.forEach(thrownError => {\n        if (thrownError === _hoveredEvent) {\n          highlightedEvents.push(thrownError);\n          return;\n        }\n        this._drawSingleThrownError(\n          context,\n          visibleArea,\n          thrownError,\n          baseY,\n          scaleFactor,\n          false,\n        );\n      });\n\n      // Draw the\n      highlighted items on top so they stand out. // This is helpful if there are multiple (overlapping) items close to\n      each other.\n      highlightedEvents.forEach(thrownError => {\n        this._drawSingleThrownError(\n          context,\n          visibleArea,\n          thrownError,\n          baseY,\n          scaleFactor,\n          true,\n        );\n      });\n\n      // Render bottom\n      borders. // Propose border rect, check if intersects with `rect`, draw intersection.\n      const borderFrame: Rect =\n      {\n        origin: {\n          x: frame.origin.x,\n          y: frame.origin.y + EVENT_ROW_HEIGHT_FIXED -\n          BORDER_SIZE,\n        },\n        size: {\n          width: frame.size.width,\n          height: BORDER_SIZE,\n        },\n      };

```

```

if (rectIntersectsRect(borderFrame, visibleArea)) {
  const borderDrawableRect =
  intersectionOfRects(borderFrame, visibleArea);
  context.fillStyle = COLORS.REACT_WORK_BORDER;
  context.fillRect(
    borderDrawableRect.origin.x,
    borderDrawableRect.origin.y,
    borderDrawableRect.size.width,
    borderDrawableRect.size.height,
  );
}

/**
 * @private
 */
_handleMouseMove(interaction: MouseMoveInteraction, viewRefs: ViewRefs) {
  const { frame, onHover, visibleArea } = this;
  if (!onHover) {
    return;
  }
  const { location } = interaction.payload;
  if (!rectContainsPoint(location, visibleArea)) {
    onHover(null);
    return;
  }
  const { _profilerData: { thrownErrors }, } = this;
  const scaleFactor = positioningScaleFactor(
    this._intrinsicSize.width,
    frame,
  );
  const hoverTimestamp = positionToTimestamp(location.x, scaleFactor, frame);
  const eventTimestampAllowance = widthToDuration(
    REACT_EVENT_DIAMETER / 2,
    scaleFactor,
  );
  // Because data ranges may overlap, we want to find the last intersecting item.
  // This will always be the one on "top" (the one the user is hovering over).
  for (let index = thrownErrors.length - 1; index >= 0; index--) {
    const event = thrownErrors[index];
    const { timestamp } = event;
    if (
      timestamp -
      eventTimestampAllowance <= hoverTimestamp &&
      hoverTimestamp <= timestamp +
      eventTimestampAllowance
    ) {
      this.currentCursor = 'context-menu';
      viewRefs.hoveredView = this;
      onHover(event);
      return;
    }
  }
  onHover(null);
}

handleInteraction(interaction: Interaction, viewRefs: ViewRefs) {
  switch (interaction.type) {
    case 'mousemove':
      this._handleMouseMove(interaction, viewRefs);
      break;
  }
}

/**
 * Copyright (c) Meta Platforms, Inc. and affiliates.
 * This source code is licensed under the MIT license found in the LICENSE
 * file in the root directory of this source tree.
 */
import type { Rect, Size } from './view-base';
import {
  durationToWidth,
  positioningScaleFactor,
  positionToTimestamp,
  timestampToPosition,
} from './utils/positioning';
import {
  View,
  Surface,
  rectIntersectsRect,
  intersectionOfRects,
} from './view-base';
import {
  COLORS,
  INTERVAL_TIMES,
  LABEL_SIZE,
  FONT_SIZE,
  MARKER_HEIGHT,
  MARKER_TEXT_PADDING,
  MARKER_TICK_HEIGHT,
  MIN_INTERVAL_SIZE_PX,
  BORDER_SIZE,
} from './constants';
const HEADER_HEIGHT_FIXED = MARKER_HEIGHT + BORDER_SIZE;
const LABEL_FIXED_WIDTH = LABEL_SIZE + BORDER_SIZE;
export class TimeAxisMarkersView extends View {
  _totalDuration: number;
  _intrinsicSize: Size;
  constructor(surface: Surface, frame: Rect, totalDuration: number) {
    super(surface, frame);
    this._totalDuration = totalDuration;
    this._intrinsicSize = {
      width: this._totalDuration,
      height: HEADER_HEIGHT_FIXED,
    };
  }
  desiredSize(): Size {
    return this._intrinsicSize;
  }
  // Time mark intervals vary based on the current zoom range and the time it represents.
  // In Chrome, these seem to range from 70-140 pixels wide.
  // Time wise, they represent intervals of e.g. 1s, 500ms, 200ms, 100ms, 50ms, 20ms.
  // Based on zoom, we should determine which amount to actually show.
  _getTimeTickInterval(scaleFactor: number): number {
    for (let i = 0; i < INTERVAL_TIMES.length; i++) {
      const currentInterval = INTERVAL_TIMES[i];
      const intervalWidth = durationToWidth(currentInterval, scaleFactor);
      if (intervalWidth > MIN_INTERVAL_SIZE_PX) {
        return currentInterval;
      }
    }
    return INTERVAL_TIMES[0];
  }
  draw(context: CanvasRenderingContext2D) {
    const { frame, _intrinsicSize, visibleArea } = this;
    const clippedFrame = {
      origin: frame.origin,
      size: {
        width: frame.size.width,
        height: _intrinsicSize.height,
      },
    };
    const drawableRect = intersectionOfRects(clippedFrame, visibleArea);
    // Clear background
    context.fillStyle = COLORS.BACKGROUND;
    context.fillRect(
      drawableRect.origin.x,
      drawableRect.origin.y,
      drawableRect.size.width,
      drawableRect.size.height,
    );
    const scaleFactor = positioningScaleFactor(
      _intrinsicSize.width,
      clippedFrame,
    );
    const interval = this._getTimeTickInterval(scaleFactor);
    const firstIntervalTimestamp =
      Math.ceil(
        positionToTimestamp(
          drawableRect.origin.x - LABEL_FIXED_WIDTH,
          scaleFactor,
          clippedFrame,
        ) / interval,
      ) * interval;
    for (
      let markerTimestamp = firstIntervalTimestamp;
      true;
      markerTimestamp += interval
    ) {
      if (markerTimestamp <= 0) {
        continue; // Timestamps < are probably a bug; markers at 0 are ugly.
      }
      const x = timestampToPosition(markerTimestamp, scaleFactor, clippedFrame);
      if (x > drawableRect.origin.x +

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drawableRect.size.width) {\n    break; // Not in view\n    }\n    const markerLabel =
Math.round(markerTimestamp);\n    context.fillStyle = COLORS.PRIORITY_BORDER;\n    context.fillRect(\n
x,\n    drawableRect.origin.y + MARKER_HEIGHT - MARKER_TICK_HEIGHT,\n    BORDER_SIZE,\n
MARKER_TICK_HEIGHT,\n    );\n    context.fillStyle = COLORS.TIME_MARKER_LABEL;\n
context.textAlign = 'right';\n    context.textBaseline = 'middle';\n    context.font = `${FONT_SIZE}px sans-
serif`;\n    context.fillText(\n    `${markerLabel}ms`,\n    x - MARKER_TEXT_PADDING,\n
MARKER_HEIGHT / 2,\n    );\n    }\n    // Render bottom border.\n    // Propose border rect, check if intersects
with `rect`, draw intersection.\n    const borderFrame: Rect = {\n    origin: {\n    x: clippedFrame.origin.x,\n
y: clippedFrame.origin.y + clippedFrame.size.height - BORDER_SIZE,\n    },\n    size: {\n    width:
clippedFrame.size.width,\n    height: BORDER_SIZE,\n    },\n    };\n    if (rectIntersectsRect(borderFrame,
visibleArea)) {\n    const borderDrawableRect = intersectionOfRects(borderFrame, visibleArea);\n
context.fillStyle = COLORS.PRIORITY_BORDER;\n    context.fillRect(\n    borderDrawableRect.origin.x,\n
borderDrawableRect.origin.y,\n    borderDrawableRect.size.width,\n    borderDrawableRect.size.height,\n
);\n    }\n    }\n}\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n
*\n\nimport type {UserTimingMark} from './types';\nimport type {\n Interaction,\n MouseMoveInteraction,\n
Rect,\n Size,\n ViewRefs,\n} from './view-base';\nimport {\n positioningScaleFactor,\n timestampToPosition,\n
positionToTimestamp,\n widthToDuration,\n} from './utils/positioning';\nimport {\n View,\n Surface,\n
rectContainsPoint,\n rectIntersectsRect,\n intersectionOfRects,\n} from './view-base';\nimport {\n COLORS,\n
TOP_ROW_PADDING,\n USER_TIMING_MARK_SIZE,\n BORDER_SIZE,\n} from './constants';\n\nconst
ROW_HEIGHT_FIXED =\n TOP_ROW_PADDING + USER_TIMING_MARK_SIZE +
TOP_ROW_PADDING;\n\nexport class UserTimingMarksView extends View {\n    _marks: UserTimingMark[];\n
_intrinsicSize: Size;\n\n    _hoveredMark: UserTimingMark | null = null;\n    onHover: ((mark: UserTimingMark | null)
=> void) | null = null;\n\n    constructor(\n    surface: Surface,\n    frame: Rect,\n    marks: UserTimingMark[],\n
duration: number,\n    ) {\n    super(surface, frame);\n    this._marks = marks;\n\n    this._intrinsicSize = {\n    width:
duration,\n    height: ROW_HEIGHT_FIXED,\n    };\n    }\n\n    desiredSize(): Size {\n    return this._intrinsicSize;\n
}\n\n    setHoveredMark(hoveredMark: UserTimingMark | null) {\n    if (this._hoveredMark === hoveredMark) {\n
return;\n    }\n    this._hoveredMark = hoveredMark;\n    this.setNeedsDisplay();\n    }\n\n    /**\n     * Draw a single
`UserTimingMark` as a circle in the canvas.\n     *\n     * _drawSingleMark(\n     * context: CanvasRenderingContext2D,\n
rect: Rect,\n     * mark: UserTimingMark,\n     * baseY: number,\n     * scaleFactor: number,\n     * showHoverHighlight:
boolean,\n     * ) {\n     * const {frame} = this;\n     * const {timestamp} = mark;\n     * const x =
timestampToPosition(timestamp, scaleFactor, frame);\n     * const size = USER_TIMING_MARK_SIZE;\n     * const
halfSize = size / 2;\n     * const markRect: Rect = {\n     * origin: {\n     * x: x - halfSize,\n     * y: baseY,\n     * },\n
size: {\n     * width: size,\n     * height: size,\n     * };\n     * if (!rectIntersectsRect(markRect, rect)) {\n     * return; // Not in view\n
}\n     * const fillStyle = showHoverHighlight\n     * ? COLORS.USER_TIMING_HOVER\n     * :
COLORS.USER_TIMING;\n     * if (fillStyle !== null) {\n     * const y = baseY + halfSize;\n     * context.beginPath();\n
context.fillStyle = fillStyle;\n     * context.moveTo(x, y - halfSize);\n     * context.lineTo(x +
halfSize, y);\n     * context.lineTo(x, y + halfSize);\n     * context.lineTo(x - halfSize, y);\n     * context.fill();\n     * }\n
}\n\n     * draw(context: CanvasRenderingContext2D) {\n     * const {frame, _marks, _hoveredMark, visibleArea} =
this;\n     * context.fillStyle = COLORS.BACKGROUND;\n     * context.fillRect(\n     * visibleArea.origin.x,\n
visibleArea.origin.y,\n     * visibleArea.size.width,\n     * visibleArea.size.height,\n     * );\n     * // Draw marks\n     * const
baseY = frame.origin.y + TOP_ROW_PADDING;\n     * const scaleFactor = positioningScaleFactor(\n     * this._intrinsicSize.width,\n
frame,\n     * );\n     * _marks.forEach(mark => {\n     * if (mark === _hoveredMark) {\n     * return;\n     * }\n     * this._drawSingleMark(\n     * context,\n     * visibleArea,\n     * mark,\n     * baseY,\n
scaleFactor,\n     * false,\n     * );\n     * });\n     * // Draw the hovered and/or selected items on top so they stand out.\n
// This is helpful if there are multiple (overlapping) items close to each other.\n     * if (_hoveredMark !== null) {\n
this._drawSingleMark(\n     * context,\n     * visibleArea,\n     * _hoveredMark,\n     * baseY,\n     * scaleFactor,\n
true,\n     * );\n     * }\n     * }\n     * // Render bottom border.\n     * // Propose border rect, check if intersects with `rect`, draw

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intersection.\n  const borderFrame: Rect = {\n    origin: {\n      x: frame.origin.x,\n      y: frame.origin.y +
ROW_HEIGHT_FIXED - BORDER_SIZE,\n    },\n    size: {\n      width: frame.size.width,\n      height:
BORDER_SIZE,\n    },\n  };
\n  if (rectIntersectsRect(borderFrame, visibleArea)) {\n    const
borderDrawableRect = intersectionOfRects(borderFrame, visibleArea);\n    context.fillStyle =
COLORS.PRIORITY_BORDER;\n    context.fillRect(\n      borderDrawableRect.origin.x,\n
borderDrawableRect.origin.y,\n      borderDrawableRect.size.width,\n      borderDrawableRect.size.height,\n
);\n  }\n}\n\n/**\n * @private\n */\n _handleMouseMove(interaction: MouseMoveInteraction, viewRefs:
ViewRefs) {\n  const {frame, onHover, visibleArea} = this;\n  if (!onHover) {\n    return;\n  }\n\n  const
{location} = interaction.payload;\n  if (!rectContainsPoint(location, visibleArea)) {\n    onHover(null);\n
return;\n  }\n\n  const {_marks} = this;\n  const scaleFactor = positioningScaleFactor(\n
this._intrinsicSize.width,\n    frame,\n  );\n  const hoverTimestamp = positionToTimestamp(location.x,
scaleFactor, frame);\n  const timestampAllowance = widthToDuration(\n    USER_TIMING_MARK_SIZE / 2,\n
scaleFactor,\n  );\n\n  // Because data ranges may overlap, we want to find the last intersecting item.\n  // This
will always be the one on \"top\" (the one the user is hovering over).\n  for (let index = _marks.length - 1; index >=
0; index--) {\n    const mark = _marks[index];\n    const {timestamp} = mark;\n\n    if (\n      timestamp -
timestampAllowance <= hoverTimestamp &&\n      hoverTimestamp <= timestamp + timestampAllowance\n    )
{\n      viewRefs.hoveredView = this;\n      onHover(mark);\n      return;\n    }\n  }\n\n  onHover(null);\n
}\n\n  handleInteraction(interaction: Interaction, viewRefs: ViewRefs) {\n    switch (interaction.type) {\n      case
'mousemove':\n        this._handleMouseMove(interaction, viewRefs);\n        break;\n    }\n  }\n}\n\n\"/**\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n */\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n */\n * @flow\n */\n\nimport memoize from
'memoize-one';\n\nimport type {\n  BatchUID,\n  Milliseconds,\n  ReactMeasure,\n  TimelineData,\n} from
'./types';\n\nfunction unmemoizedGetBatchRange(\n  batchUID: BatchUID,\n  data: TimelineData,\n  minStartTime?: number = 0,\n): [Milliseconds, Milliseconds] {\n  const measures =
data.batchUIDToMeasuresMap.get(batchUID);\n  if (measures === null || measures.length === 0) {\n    throw
Error('Could not find measures with batch UID \"${batchUID}\"');\n  }\n\n  const lastMeasure =
((measures[measures.length - 1]: any): ReactMeasure);\n  const stopTime = lastMeasure.timestamp +
lastMeasure.duration;\n\n  if (stopTime < minStartTime) {\n    return [0, 0];\n  }\n\n  let startTime =
minStartTime;\n  for (let index = 0; index < measures.length; index++) {\n    const measure = measures[index];\n
if (measure.timestamp >= minStartTime) {\n      startTime = measure.timestamp;\n      break;\n    }\n  }\n\n  return
[startTime, stopTime];\n}\n\nexport const getBatchRange: (\n  batchUID: BatchUID,\n  data: TimelineData,\n  minStartTime?: number,\n) => [Milliseconds, Milliseconds] = memoize(unmemoizedGetBatchRange);\n\n\"/**\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n */\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n */\n * @flow\n */\n\nimport type {Point} from
'./view-base';\n\nimport type {\n  FlamechartStackFrame,\n  NativeEvent,\n  NetworkMeasure,\n
ReactComponentMeasure,\n  ReactEventInfo,\n  ReactMeasure,\n  ReactMeasureType,\n  SchedulingEvent,\n
Snapshot,\n  SuspenseEvent,\n  ThrownError,\n  TimelineData,\n  UserTimingMark,\n} from './types';\n\nimport *
as React from 'react';\n\nimport {\n  formatDuration,\n  formatTimestamp,\n  trimString,\n
getSchedulingEventLabel,\n} from './utils/formatting';\n\nimport {getBatchRange} from
'./utils/getBatchRange';\n\nimport useSmartTooltip from './utils/useSmartTooltip';\n\nimport styles from
'./EventTooltip.css';\n\nconst MAX_TOOLTIP_TEXT_LENGTH = 60;\n\ntype Props = {\n  canvasRef: {current:
HTMLCanvasElement | null},\n  data: TimelineData,\n  height: number,\n  hoveredEvent: ReactEventInfo | null,\n
origin: Point,\n  width: number,\n};\n\nfunction getReactMeasureLabel(type: ReactMeasureType): string | null {\n
switch (type) {\n  case 'commit':\n    return 'react commit';\n  case 'render-idle':\n    return 'react idle';\n  case
'render':\n    return 'react render';\n  case 'layout-effects':\n    return 'react layout effects';\n  case 'passive-
effects':\n    return 'react passive effects';\n  default:\n    return null;\n  }\n}\n\nexport default function
EventTooltip({\n  canvasRef,\n  data,\n  height,\n  hoveredEvent,\n  origin,\n  width,\n}: Props): React.Node {\n
const ref = useSmartTooltip({\n  canvasRef,\n  mouseX: origin.x,\n  mouseY: origin.y,\n});\n\n  if

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(hoveredEvent === null) {\n  return null;\n }\n\n const {\n  componentMeasure,\n  flamechartStackFrame,\n  measure,\n  nativeEvent,\n  networkMeasure,\n  schedulingEvent,\n  snapshot,\n  suspenseEvent,\n  thrownError,\n  userTimingMark,\n } = hoveredEvent;\n\n let content = null;\n if (componentMeasure !== null) {\n  content = (\n    <TooltipReactComponentMeasure componentMeasure={componentMeasure} />\n  );\n } else if (nativeEvent !== null) {\n  content = <TooltipNativeEvent nativeEvent={nativeEvent} />;\n } else if (networkMeasure !== null) {\n  content = <TooltipNetworkMeasure networkMeasure={networkMeasure} />;\n } else if (schedulingEvent !== null) {\n  content = (\n    <TooltipSchedulingEvent data={data} schedulingEvent={schedulingEvent} />\n  );\n } else if (snapshot !== null) {\n  content = (\n    <TooltipSnapshot height={height} snapshot={snapshot} width={width} />\n  );\n } else if (suspenseEvent !== null) {\n  content = <TooltipSuspenseEvent suspenseEvent={suspenseEvent} />;\n } else if (measure !== null) {\n  content = <TooltipReactMeasure data={data} measure={measure} />;\n } else if (flamechartStackFrame !== null) {\n  content = <TooltipFlamechartNode stackFrame={flamechartStackFrame} />;\n } else if (userTimingMark !== null) {\n  content = <TooltipUserTimingMark mark={userTimingMark} />;\n } else if (thrownError !== null) {\n  content = <TooltipThrownError thrownError={thrownError} />;\n }\n\n if (content !== null) {\n  return (\n    <div className={styles.Tooltip} ref={ref}>\n      {content}\n    </div>\n  );\n } else {\n  return null;\n }\n}\n\nconst TooltipReactComponentMeasure = ({\n  componentMeasure,\n}: {\n  componentMeasure: ReactComponentMeasure,\n}) => {\n  const {componentName, duration, timestamp, type, warning} = componentMeasure;\n\n  let label = componentName;\n  switch (type) {\n    case 'render':\n      label += ' rendered';\n      break;\n    case 'layout-effect-mount':\n      label += ' mounted layout effect';\n      break;\n    case 'layout-effect-unmount':\n      label += ' unmounted layout effect';\n      break;\n    case 'passive-effect-mount':\n      label += ' mounted passive effect';\n      break;\n    case 'passive-effect-unmount':\n      label += ' unmounted passive effect';\n      break;\n  }\n\n  return (\n    <>\n      <div className={styles.TooltipSection}>\n        {trimString(label, 768)}\n      </div>\n      <div className={styles.Divider} />\n      <div className={styles.DetailsGrid}>\n        <div\n          className={styles.DetailsGridLabel}>Timestamp:</div>\n        <div>{formatTimestamp(timestamp)}</div>\n        <div\n          className={styles.DetailsGridLabel}>Duration:</div>\n        <div>{formatDuration(duration)}</div>\n        </div>\n        <div>\n          {warning !== null && (\n            <div\n              className={styles.TooltipWarningSection}>\n                <div\n                  className={styles.WarningText}>{warning}</div>\n                </div>\n              )\n          );\n        </div>\n      </div>\n    </div>\n  );\n}\n\nconst TooltipFlamechartNode = ({\n  stackFrame,\n}: {\n  stackFrame: FlamechartStackFrame,\n}) => {\n  const {name, timestamp, duration, locationLine, locationColumn} = stackFrame;\n  return (\n    <div\n      className={styles.TooltipSection}>\n      <span\n        className={styles.FlamechartStackFrameName}>{name}</span>\n      <div\n        className={styles.DetailsGrid}>\n        <div\n          className={styles.DetailsGridLabel}>Timestamp:</div>\n        <div>{formatTimestamp(timestamp)}</div>\n        <div\n          className={styles.DetailsGridLabel}>Duration:</div>\n        <div>{formatDuration(duration)}</div>\n        && (\n          <div\n            className={styles.DetailsGridLabel}>Location:</div>\n          <div>\n            line {locationLine}, column {locationColumn}\n          </div>\n        )\n      </div>\n    </div>\n  );\n}\n\nconst TooltipNativeEvent = ({nativeEvent}: {nativeEvent: NativeEvent}) => {\n  const {duration, timestamp, type, warning} = nativeEvent;\n  return (\n    <>\n      <div\n        className={styles.TooltipSection}>\n        <span\n          className={styles.NativeEventName}>{trimString(type, 768)}</span>\n        event\n      </div>\n      <div\n        className={styles.Divider} />\n      <div\n        className={styles.DetailsGrid}>\n        <div\n          className={styles.DetailsGridLabel}>Timestamp:</div>\n        <div>{formatTimestamp(timestamp)}</div>\n        <div\n          className={styles.DetailsGridLabel}>Duration:</div>\n        <div>{formatDuration(duration)}</div>\n        </div>\n        <div>\n          {warning !== null && (\n            <div\n              className={styles.TooltipWarningSection}>\n                <div\n                  className={styles.WarningText}>{warning}</div>\n                </div>\n              )\n          );\n        </div>\n      </div>\n    </div>\n  );\n}\n\nconst TooltipNetworkMeasure = ({\n  networkMeasure,\n}: {\n  networkMeasure: NetworkMeasure,\n}) => {\n  const {\n    finishTimestamp,\n    lastReceivedDataTimestamp,\n    priority,\n    sendRequestTimestamp,\n    url,\n } = networkMeasure;\n\n  let urlToDisplay = url;\n  if (urlToDisplay.length > MAX_TOOLTIP_TEXT_LENGTH) {\n    const half = Math.floor(MAX_TOOLTIP_TEXT_LENGTH / 2);\n    urlToDisplay = url.slice(0, half) + '...' +

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url.slice(url.length - half);\n })\n\n const timestampBegin = sendRequestTimestamp;\n const timestampEnd =
finishTimestamp || lastReceivedDataTimestamp;\n const duration =\n timestampEnd > 0\n ?
formatDuration(finishTimestamp - timestampBegin)\n : '(incomplete)';\n\n return (\n <div
className={styles.SingleLineTextSection}>\n {duration} <span
className={styles.DimText}>{priority}</span>{' '}\n {urlToDisplay}\n </div>\n );\n);\n\nconst
TooltipSchedulingEvent = ({\n data,\n schedulingEvent,\n}: {\n data: TimelineData,\n schedulingEvent:
SchedulingEvent,\n}) => {\n const label = getSchedulingEventLabel(schedulingEvent);\n if (!label) {\n if
(__DEV__) {\n console.warn(\n 'Unexpected schedulingEvent type \"%s\"',\n schedulingEvent.type,\n
);\n }\n return null;\n }\n\n let laneLabels = null;\n let lanes = null;\n switch (schedulingEvent.type) {\n case
'schedule-render':\n case 'schedule-state-update':\n case 'schedule-force-update':\n lanes =
schedulingEvent.lanes;\n laneLabels = lanes.map(\n lane => ((data.laneToLabelMap.get(lane): any):
string),\n );\n break;\n }\n\n const {componentName, timestamp, warning} = schedulingEvent;\n\n return (\n
<>\n <div className={styles.TooltipSection}>\n {componentName} && (\n <span
className={styles.ComponentName}>\n {trimString(componentName, 100)}\n </span>\n ))\n
{label}\n <div className={styles.Divider} />\n <div className={styles.DetailsGrid}>\n
{laneLabels !== null && lanes !== null && (\n <>\n <div
className={styles.DetailsGridLabel}>Lanes:</div>\n <div>\n {laneLabels.join(', ')}
({lanes.join(', ')}\n </div>\n </>\n )}\n <div
className={styles.DetailsGridLabel}>Timestamp:</div>\n <div>{formatTimestamp(timestamp)}</div>\n
</div>\n </div>\n {warning !== null && (\n <div className={styles.TooltipWarningSection}>\n
<div className={styles.WarningText}>{warning}</div>\n </div>\n )}\n </>\n );\n);\n\nconst
TooltipSnapshot = ({\n height,\n snapshot,\n width,\n}: {\n height: number,\n snapshot: Snapshot,\n width:
number,\n}) => {\n const aspectRatio = snapshot.width / snapshot.height;\n\n // Zoomed in view should not be any
bigger than the DevTools viewport.\n let safeWidth = snapshot.width;\n let safeHeight = snapshot.height;\n if
(safeWidth > width) {\n safeWidth = width;\n safeHeight = safeWidth / aspectRatio;\n }\n if (safeHeight >
height) {\n safeHeight = height;\n safeWidth = safeHeight * aspectRatio;\n }\n\n return (\n <img\n
className={styles.Image}\n src={snapshot.imageSource}\n style={{height: safeHeight, width:
safeWidth}}\n />\n );\n);\n\nconst TooltipSuspenseEvent = ({\n suspenseEvent,\n}: {\n suspenseEvent:
SuspenseEvent,\n}) => {\n const {\n componentName,\n duration,\n phase,\n promiseName,\n
resolution,\n timestamp,\n warning,\n } = suspenseEvent;\n\n let label = 'suspended';\n if (phase !== null) {\n
label += ` during ${phase}`;\n }\n\n return (\n <>\n <div className={styles.TooltipSection}>\n
{componentName} && (\n <span className={styles.ComponentName}>\n
{trimString(componentName, 100)}\n </span>\n ))\n {label}\n <div className={styles.Divider}
/>\n <div className={styles.DetailsGrid}>\n {promiseName !== null && (\n <>\n <div
className={styles.DetailsGridLabel}>Resource:</div>\n <div
className={styles.DetailsGridLongValue}>{promiseName}</div>\n </>\n )}\n <div
className={styles.DetailsGridLabel}>Status:</div>\n <div>{resolution}</div>\n <div
className={styles.DetailsGridLabel}>Timestamp:</div>\n <div>{formatTimestamp(timestamp)}</div>\n
{duration !== null && (\n <>\n <div className={styles.DetailsGridLabel}>Duration:</div>\n
<div>{formatDuration(duration)}</div>\n </>\n )}\n </div>\n </div>\n {warning !== null
&& (\n <div className={styles.TooltipWarningSection}>\n <div
className={styles.WarningText}>{warning}</div>\n </div>\n )}\n </>\n );\n);\n\nconst
TooltipReactMeasure = ({\n data,\n measure,\n}: {\n data: TimelineData,\n measure: ReactMeasure,\n}) => {\n
const label = getReactMeasureLabel(measure.type);\n if (!label) {\n if (__DEV__) {\n
console.warn('Unexpected measure type \"%s\"', measure.type);\n }\n return null;\n }\n\n const {batchUID,
duration, timestamp, lanes} = measure;\n const [startTime, stopTime] = getBatchRange(batchUID, data);\n\n const
laneLabels = lanes.map(\n lane => ((data.laneToLabelMap.get(lane): any): string),\n );\n\n return (\n <div
className={styles.TooltipSection}>\n <span className={styles.ReactMeasureLabel}>{label}</span>\n

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<div className={styles.Divider} />\n    <div className={styles.DetailsGrid}>\n        <div
className={styles.DetailsGridLabel}>Timestamp:</div>\n        <div>{formatTimestamp(timestamp)}</div>\n
{measure.type !== 'render-idle' && (\n            <div
className={styles.DetailsGridLabel}>Duration:</div>\n            <div>{formatDuration(duration)}</div>\n
</div>\n        )}\n        <div className={styles.DetailsGridLabel}>Batch duration:</div>\n
<div>{formatDuration(stopTime - startTime)}</div>\n        <div className={styles.DetailsGridLabel}>\n
Lane{lanes.length === 1 ? '' : 's'}:\n        </div>\n        <div>\n            {laneLabels.length > 0\n            ?
`${laneLabels.join(', ')} (${lanes.join(', ')}`\n            : lanes.join(', ')}\n        </div>\n        </div>\n        </div>\n
);\n);\n\nconst TooltipUserTimingMark = ({mark}: {mark: UserTimingMark}) => {\n  const {name, timestamp} =
mark;\n  return (\n    <div className={styles.TooltipSection}>\n      <span
className={styles.UserTimingLabel}>{name}</span>\n      <div className={styles.Divider} />\n      <div
className={styles.DetailsGrid}>\n        <div className={styles.DetailsGridLabel}>Timestamp:</div>\n
<div>{formatTimestamp(timestamp)}</div>\n      </div>\n    </div>\n  );\n);\n\nconst TooltipThrownError =
({thrownError}: {thrownError: ThrownError}) => {\n  const {componentName, message, phase, timestamp} =
thrownError;\n  const label = `threw an error during ${phase}`;\n  return (\n    <div
className={styles.TooltipSection}>\n      {componentName && (\n        <span
className={styles.ComponentName}>\n          {trimString(componentName, 100)}\n        </span>\n      )}\n
<span className={styles.UserTimingLabel}>{label}</span>\n      <div className={styles.Divider} />\n      <div
className={styles.DetailsGrid}>\n        <div className={styles.DetailsGridLabel}>Timestamp:</div>\n
<div>{formatTimestamp(timestamp)}</div>\n        {message !== '' && (\n          <div
className={styles.DetailsGridLabel}>Error:</div>\n          <div>{message}</div>\n        </div>\n      )}\n
</div>\n    </div>\n  );\n);\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *
@flow\n */\n\nimport {useLayoutEffect, useRef} from 'react';\n\nconst TOOLTIP_OFFSET_BOTTOM =
10;\nconst TOOLTIP_OFFSET_TOP = 5;\n\nexport default function useSmartTooltip({\n  canvasRef,\n  mouseX,\n  mouseY,\n}: {\n  canvasRef: {current: HTMLCanvasElement | null},\n  mouseX: number,\n  mouseY: number,\n}): {\n  current: HTMLCanvasElement | null\n} {\n  const ref = useRef<HTMLCanvasElement | null>(null);\n\n  // HACK: Browser
extension reports window.innerHeight of 0,\n  // so we fallback to using the tooltip target element.\n  let height =
window.innerHeight;\n  let width = window.innerWidth;\n  const target = canvasRef.current;\n  if (target !== null)
{\n    const rect = target.getBoundingClientRect();\n    height = rect.top + rect.height;\n    width = rect.left +
rect.width;\n  }\n\n  useLayoutEffect(() => {\n    const element = ref.current;\n    if (element !== null) {\n      // Let's
check the vertical position.\n      if (mouseY + TOOLTIP_OFFSET_BOTTOM + element.offsetHeight >= height)
{\n        // The tooltip doesn't fit below the mouse cursor (which is our\n        // default strategy). Therefore we try to
position it either above the\n        // mouse cursor or finally aligned with the window's top edge.\n        if (mouseY -
TOOLTIP_OFFSET_TOP - element.offsetHeight > 0) {\n          // We position the tooltip above the mouse cursor if
it fits there.\n          element.style.top = `${\n            mouseY - element.offsetHeight - TOOLTIP_OFFSET_TOP\n
          }px`;\n        } else {\n          // Otherwise we align the tooltip with the window's top edge.\n          element.style.top
= '0px';\n        }\n      } else {\n        element.style.top = `${mouseY + TOOLTIP_OFFSET_BOTTOM}px`;\n      }\n\n      // Now let's check the horizontal position.\n      if (mouseX + TOOLTIP_OFFSET_BOTTOM +
element.offsetWidth >= width) {\n        // The tooltip doesn't fit at the right of the mouse cursor (which is\n        //
our default strategy). Therefore we try to position it either at the\n        // left of the mouse cursor or finally aligned
with the window's left\n        // edge.\n        if (mouseX - TOOLTIP_OFFSET_TOP - element.offsetWidth > 0) {\n
          // We position the tooltip at the left of the mouse cursor if it fits\n          // there.\n          element.style.left = `${\n
            mouseX - element.offsetWidth - TOOLTIP_OFFSET_TOP\n          }px`;\n        } else {\n          // Otherwise,
align the tooltip with the window's left edge.\n          element.style.left = '0px';\n        }\n      } else {\n
        element.style.left = `${mouseX + TOOLTIP_OFFSET_BOTTOM}px`;\n      }\n    }\n  });\n\n  return
ref;\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *
@flow\n */\n\nimport

```



```

type {ReactContext} from 'shared/ReactTypes';
import * as React from 'react';
import {createContext, useMemo, useReducer} from 'react';
import type {ReactComponentMeasure, TimelineData, ViewState} from './types';
type State = {
  profilerData: TimelineData,
  searchIndex: number,
  searchRegExp: RegExp | null,
  searchResults: Array<ReactComponentMeasure>,
  searchText: string,
};
type ACTION_GO_TO_NEXT_SEARCH_RESULT = {
  type: 'GO_TO_NEXT_SEARCH_RESULT',
};
type ACTION_GO_TO_PREVIOUS_SEARCH_RESULT = {
  type: 'GO_TO_PREVIOUS_SEARCH_RESULT',
};
type ACTION_SET_SEARCH_TEXT = {
  type: 'SET_SEARCH_TEXT',
  payload: string,
};
type Action =
  | ACTION_GO_TO_NEXT_SEARCH_RESULT
  | ACTION_GO_TO_PREVIOUS_SEARCH_RESULT
  | ACTION_SET_SEARCH_TEXT;
type Dispatch = (action: Action) => void;
const EMPTY_ARRAY: Array<ReactComponentMeasure> = [];
function reducer(state: State, action: Action): State {
  let {searchIndex, searchRegExp, searchResults, searchText} = state;
  switch (action.type) {
    case 'GO_TO_NEXT_SEARCH_RESULT':
      if (searchResults.length > 0) {
        if (searchIndex === -1 || searchIndex + 1 === searchResults.length) {
          searchIndex = 0;
        } else {
          searchIndex++;
        }
      }
      break;
    case 'GO_TO_PREVIOUS_SEARCH_RESULT':
      if (searchResults.length > 0) {
        if (searchIndex === -1 || searchIndex === 0) {
          searchIndex = searchResults.length - 1;
        } else {
          searchIndex--;
        }
      }
      break;
    case 'SET_SEARCH_TEXT':
      searchText = action.payload;
      searchRegExp = null;
      searchResults = [];
      if (searchText !== "") {
        const safeSearchText = searchText.replace(
          /[.*+?^$(){}|[\]\\\\]/g, '\\\\$&',
        );
        searchRegExp = new RegExp(`^${safeSearchText}`, 'i');
        // If something is zoomed in on already, and the new search still contains
        // it, don't change the selection (even if overall search results set changes).
        let prevSelectedMeasure = null;
        if (searchIndex >= 0 && searchResults.length > searchIndex) {
          prevSelectedMeasure = searchResults[searchIndex];
        }
        const componentMeasures = state.profilerData.componentMeasures;
        let prevSelectedMeasureIndex = -1;
        for (let i = 0; i < componentMeasures.length; i++) {
          const componentMeasure = componentMeasures[i];
          if (componentMeasure.componentName.match(searchRegExp)) {
            searchResults.push(componentMeasure);
            if (componentMeasure === prevSelectedMeasure) {
              prevSelectedMeasureIndex = searchResults.length - 1;
            }
          }
        }
        prevSelectedMeasureIndex >= 0 ? prevSelectedMeasureIndex : 0;
      }
      break;
  }
  return {
    profilerData: state.profilerData,
    searchIndex,
    searchRegExp,
    searchResults,
    searchText,
  };
}
export type Context = {
  profilerData: TimelineData,
  // Search state
  dispatch: Dispatch,
  searchIndex: number,
  searchRegExp: null,
  searchResults: Array<ReactComponentMeasure>,
  searchText: string,
};
const TimelineSearchContext: ReactContext<Context> = createContext<Context>(
  (null: any): Context,
);
TimelineSearchContext.displayName = 'TimelineSearchContext';
type Props = {
  children: React$Node,
  profilerData: TimelineData,
  viewState: ViewState,
};
function TimelineSearchContextController(
  {children, profilerData, viewState}: Props,
): React.Node {
  const [state, dispatch] = useReducer<State, State, Action>(
    reducer,
    {
      profilerData,
      searchIndex: -1,
      searchRegExp: null,
      searchResults: EMPTY_ARRAY,
      searchText: "",
    },
  );
  const value = useMemo(
    () => ({
      ...state,
      dispatch,
    }),
    [state],
  );
  return (
    <TimelineSearchContext.Provider value={value}>
      {children}
    </TimelineSearchContext.Provider>
  );
}
export {TimelineSearchContext, TimelineSearchContextController};

```

/**
 * Copyright (c) Meta Platforms, Inc. and affiliates.
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 * @flow
 */
 import type {Interaction, Point} from './view-base';
 import type {
 ReactEventInfo,
 TimelineData,
 ReactMeasure,
 ViewState,
 } from './types';
 import * as React from 'react';
 import {
 Fragment,
 useContext,
 useEffect,
 useLayoutEffect,
 useRef,
 useState,
 useCallback,
 } from 'react';
 import AutoSizer from 'react-virtualized-auto-sizer';
 import {copy} from 'clipboard-js';
 import prettyMilliseconds from 'pretty-ms';
 import {
 HorizontalPanAndZoomView,
 ResizableView,
 VerticalScrollOverflowView,
 Surface,
 VerticalScrollView,
 View,
 useCanvasInteraction,
 }

```

verticallyStackedLayout,\n zeroPoint,\n} from './view-base';\nimport {\n ComponentMeasuresView,\n FlamechartView,\n NativeEventsView,\n NetworkMeasuresView,\n ReactMeasuresView,\n SchedulingEventsView,\n SnapshotsView,\n SuspenseEventsView,\n ThrownErrorsView,\n TimeAxisMarkersView,\n UserTimingMarksView,\n} from './content-views';\nimport {COLORS} from './content-views/constants';\nimport {clampState, moveStateToRange} from './view-base/utis/scrollState';\nimport EventTooltip from './EventTooltip';\nimport {RegistryContext} from 'react-devtools-shared/src/devtools/ContextMenu/Contexts';\nimport ContextMenu from 'react-devtools-shared/src/devtools/ContextMenu/ContextMenu';\nimport ContextMenuItem from 'react-devtools-shared/src/devtools/ContextMenu/ContextMenuItem';\nimport useContextMenu from 'react-devtools-shared/src/devtools/ContextMenu/useContextMenu';\nimport {getBatchRange} from './utis/getBatchRange';\nimport {MAX_ZOOM_LEVEL, MIN_ZOOM_LEVEL} from './view-base/constants';\nimport {TimelineSearchContext} from './TimelineSearchContext';\nimport {TimelineContext} from './TimelineContext';\n\nimport styles from './CanvasPage.css';\n\nconst CONTEXT_MENU_ID = 'canvas';\n\ntype Props = {\n  profilerData: TimelineData,\n  viewState: ViewState,\n};\n\nfunction CanvasPage({profilerData, viewState}: Props): React.Node {\n  return (\n    <div\n      className={styles.CanvasPage}\n      style={{backgroundColor: COLORS.BACKGROUND}}>\n      <AutoSizer>\n        ({height, width}: {height: number, width: number}) => (\n          <AutoSizedCanvas\n            data={profilerData}\n            height={height}\n            viewState={viewState}\n            width={width}\n          />\n        )\n      </AutoSizer>\n    </div>\n  );\n\n  const copySummary = (data: TimelineData, measure: ReactMeasure) => {\n    const {batchUID, duration, timestamp, type} = measure;\n\n    const [startTime, stopTime] = getBatchRange(batchUID, data);\n\n    copy(\n      JSON.stringify({\n        type,\n        timestamp: prettyMilliseconds(timestamp),\n        duration: prettyMilliseconds(duration),\n        batchDuration: prettyMilliseconds(stopTime - startTime),\n      }),\n    );\n\n    const zoomToBatch = (\n      data: TimelineData,\n      measure: ReactMeasure,\n      viewState: ViewState,\n      width: number,\n    ) => {\n      const {batchUID} = measure;\n      const [rangeStart, rangeEnd] = getBatchRange(batchUID, data);\n\n      // Convert from time range to ScrollState\n      const scrollState = moveStateToRange({\n        state: viewState.horizontalScrollState,\n        rangeStart,\n        rangeEnd,\n        contentLength: data.duration,\n        minContentLength: data.duration * MIN_ZOOM_LEVEL,\n        maxContentLength: data.duration * MAX_ZOOM_LEVEL,\n        containerLength: width,\n      });\n\n      viewState.updateHorizontalScrollState(scrollState);\n    };\n\n    const EMPTY_CONTEXT_INFO: ReactEventInfo = {\n      componentMeasure: null,\n      flamechartStackFrame: null,\n      measure: null,\n      nativeEvent: null,\n      networkMeasure: null,\n      schedulingEvent: null,\n      snapshot: null,\n      suspenseEvent: null,\n      thrownError: null,\n      userTimingMark: null,\n    };\n\n    type AutoSizedCanvasProps = {\n      data: TimelineData,\n      height: number,\n      viewState: ViewState,\n      width: number,\n    };\n\n    function AutoSizedCanvas({\n      data,\n      height,\n      viewState,\n      width,\n    }: AutoSizedCanvasProps) {\n      const canvasRef = useRef<HTMLCanvasElement | null>(null);\n\n      const [isContextMenuShown, setIsContextMenuShown] = useState<boolean>(false);\n      const [mouseLocation, setMouseLocation] = useState<Point>(zeroPoint); // DOM coordinates\n      const [hoveredEvent, setHoveredEvent] = useState<ReactEventInfo | null>(null);\n\n      const resetHoveredEvent = useCallback(() => setHoveredEvent(EMPTY_CONTEXT_INFO), []);\n\n      const {searchIndex, searchRegExp, searchResults} = useContext(\n        TimelineSearchContext,\n      );\n\n      // This effect searches timeline data and scrolls to the next match wen search criteria change.\n      useLayoutEffect(() => {\n        viewState.updateSearchRegExpState(searchRegExp);\n\n        const componentMeasureSearchResult =\n          searchResults.length > 0 ? searchResults[searchIndex] : null;\n\n        if (componentMeasureSearchResult != null) {\n          const scrollState = moveStateToRange({\n            state: viewState.horizontalScrollState,\n            rangeStart: componentMeasureSearchResult.timestamp,\n            rangeEnd: componentMeasureSearchResult.timestamp +\n              componentMeasureSearchResult.duration,\n            contentLength: data.duration,\n            minContentLength: data.duration * MIN_ZOOM_LEVEL,\n            maxContentLength: data.duration * MAX_ZOOM_LEVEL,\n            containerLength: width,\n          });\n\n          viewState.updateHorizontalScrollState(scrollState);\n        }\n\n        surfaceRef.current.displayIfNeeded();\n      }, [searchIndex, searchRegExp, searchResults, viewState]);\n\n      const

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surfaceRef = useRef(new Surface(resetHoveredEvent));\n const userTimingMarksViewRef = useRef<null |
UserTimingMarksView>(null);\n const nativeEventsViewRef = useRef<null | NativeEventsView>(null);\n const
schedulingEventsViewRef = useRef<null | SchedulingEventsView>(null);\n const suspenseEventsViewRef =
useRef<null | SuspenseEventsView>(null);\n const componentMeasuresViewRef = useRef<null |
ComponentMeasuresView>(null);\n const reactMeasuresViewRef = useRef<null | ReactMeasuresView>(null);\n
const flamechartViewRef = useRef<null | FlamechartView>(null);\n const networkMeasuresViewRef =
useRef<null | NetworkMeasuresView>(null);\n const snapshotsViewRef = useRef<null | SnapshotsView>(null);\n
const thrownErrorsViewRef = useRef<null | ThrownErrorsView>(null);\n\n const {hideMenu: hideContextMenu}
= useContext(RegistryContext);\n\n useLayoutEffect(() => {\n const surface = surfaceRef.current;\n const
defaultFrame = {origin: zeroPoint, size: {width, height}};\n\n // Auto hide context menu when panning.\n
viewState.onHorizontalScrollStateChange(scrollState => {\n hideContextMenu();\n });\n\n // Initialize
horizontal view state\n viewState.updateHorizontalScrollState(\n clampState({\n state:
viewState.horizontalScrollState,\n minContentLength: data.duration * MIN_ZOOM_LEVEL,\n
maxContentLength: data.duration * MAX_ZOOM_LEVEL,\n containerLength: defaultFrame.size.width,\n
}),\n );\n\n function createViewHelper(\n view: View,\n label: string,\n shouldScrollVertically: boolean
= false,\n shouldResizeVertically: boolean = false,\n ): View {\n let verticalScrollView = null;\n if
(shouldScrollVertically) {\n verticalScrollView = new VerticalScrollView(\n surface,\n
defaultFrame,\n view,\n viewState,\n label,\n );\n }\n\n const
horizontalPanAndZoomView = new HorizontalPanAndZoomView(\n surface,\n defaultFrame,\n
verticalScrollView !== null ? verticalScrollView : view,\n data.duration,\n viewState,\n );\n\n let
resizableView = null;\n if (shouldResizeVertically) {\n resizableView = new ResizableView(\n
surface,\n defaultFrame,\n horizontalPanAndZoomView,\n viewState,\n canvasRef,\n
label,\n );\n }\n\n return resizableView || horizontalPanAndZoomView;\n }\n\n const
axisMarkersView = new TimeAxisMarkersView(\n surface,\n defaultFrame,\n data.duration,\n );\n\n
const axisMarkersViewWrapper = createViewHelper(axisMarkersView, 'time');\n\n let
userTimingMarksViewWrapper = null;\n if (data.otherUserTimingMarks.length > 0) {\n const
userTimingMarksView = new UserTimingMarksView(\n surface,\n defaultFrame,\n
data.otherUserTimingMarks,\n data.duration,\n );\n userTimingMarksViewRef.current =
userTimingMarksView;\n userTimingMarksViewWrapper = createViewHelper(\n userTimingMarksView,\n
'user timing api',\n );\n }\n\n let nativeEventsViewWrapper = null;\n if (data.nativeEvents.length > 0) {\n
const nativeEventsView = new NativeEventsView(\n surface,\n defaultFrame,\n data,\n );\n
nativeEventsViewRef.current = nativeEventsView;\n nativeEventsViewWrapper = createViewHelper(\n
nativeEventsView,\n 'events',\n true,\n true,\n );\n }\n\n let thrownErrorsViewWrapper = null;\n
if (data.thrownErrors.length > 0) {\n const thrownErrorsView = new ThrownErrorsView(\n surface,\n
defaultFrame,\n data,\n );\n thrownErrorsViewRef.current = thrownErrorsView;\n
thrownErrorsViewWrapper = createViewHelper(\n thrownErrorsView,\n 'thrown errors',\n );\n }\n\n
let schedulingEventsViewWrapper = null;\n if (data.schedulingEvents.length > 0) {\n const
schedulingEventsView = new SchedulingEventsView(\n surface,\n defaultFrame,\n data,\n );\n
schedulingEventsViewRef.current = schedulingEventsView;\n schedulingEventsViewWrapper =
createViewHelper(\n schedulingEventsView,\n 'react updates',\n );\n }\n\n let
suspenseEventsViewWrapper = null;\n if (data.suspenseEvents.length > 0) {\n const suspenseEventsView =
new SuspenseEventsView(\n surface,\n defaultFrame,\n data,\n );\n
suspenseEventsViewRef.current = suspenseEventsView;\n suspenseEventsViewWrapper = createViewHelper(\n
suspenseEventsView,\n 'suspense',\n true,\n true,\n );\n }\n\n const reactMeasuresView = new
ReactMeasuresView(\n surface,\n defaultFrame,\n data,\n );\n reactMeasuresViewRef.current =
reactMeasuresView;\n const reactMeasuresViewWrapper = createViewHelper(\n reactMeasuresView,\n
'react scheduling',\n true,\n true,\n );\n\n let componentMeasuresViewWrapper = null;\n if
(data.componentMeasures.length > 0) {\n const componentMeasuresView = new ComponentMeasuresView(\n

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    surface,\n    defaultFrame,\n    data,\n    viewState,\n    );\n    componentMeasuresViewRef.current =
componentMeasuresView;\n    componentMeasuresViewWrapper = createViewHelper(\n
componentMeasuresView,\n    'react components',\n    );\n    }\n\n    let snapshotsViewWrapper = null;\n    if
(data.snapshots.length > 0) {\n    const snapshotsView = new SnapshotsView(surface, defaultFrame, data);\n
snapshotsViewRef.current = snapshotsView;\n    snapshotsViewWrapper = createViewHelper(\n
snapshotsView,\n    'snapshots',\n    true,\n    true,\n    );\n    }\n\n    let networkMeasuresViewWrapper =
null;\n    if (data.snapshots.length > 0) {\n    const networkMeasuresView = new NetworkMeasuresView(\n
surface,\n    defaultFrame,\n    data,\n    );\n    networkMeasuresViewRef.current = networkMeasuresView;\n
networkMeasuresViewWrapper = createViewHelper(\n    networkMeasuresView,\n    'network',\n    true,\n
true,\n    );\n    }\n\n    let flamechartViewWrapper = null;\n    if (data.flamechart.length > 0) {\n    const
flamechartView = new FlamechartView(\n    surface,\n    defaultFrame,\n    data.flamechart,\n
data.internalModuleSourceToRanges,\n    data.duration,\n    );\n    flamechartViewRef.current =
flamechartView;\n    flamechartViewWrapper = createViewHelper(\n    flamechartView,\n    'flamechart',\n
true,\n    true,\n    );\n    }\n\n    // Root view contains all of the sub views defined above.\n    // The order we add
them below determines their vertical position.\n    const rootView = new View(\n    surface,\n    defaultFrame,\n
verticallyStackedLayout,\n    defaultFrame,\n    COLORS.BACKGROUND,\n    );\n
rootView.addSubview(axisMarkersViewWrapper);\n    if (userTimingMarksViewWrapper !== null) {\n
rootView.addSubview(userTimingMarksViewWrapper);\n    }\n    if (nativeEventsViewWrapper !== null) {\n
rootView.addSubview(nativeEventsViewWrapper);\n    }\n    if (schedulingEventsViewWrapper !== null) {\n
rootView.addSubview(schedulingEventsViewWrapper);\n    }\n    if (thrownErrorsViewWrapper !== null) {\n
rootView.addSubview(thrownErrorsViewWrapper);\n    }\n    if (suspenseEventsViewWrapper !== null) {\n
rootView.addSubview(suspenseEventsViewWrapper);\n    }\n    if (reactMeasuresViewWrapper !== null) {\n
rootView.addSubview(reactMeasuresViewWrapper);\n    }\n    if (componentMeasuresViewWrapper !== null) {\n
rootView.addSubview(componentMeasuresViewWrapper);\n    }\n    if (snapshotsViewWrapper !== null) {\n
rootView.addSubview(snapshotsViewWrapper);\n    }\n    if (networkMeasuresViewWrapper !== null) {\n
rootView.addSubview(networkMeasuresViewWrapper);\n    }\n    if (flamechartViewWrapper !== null) {\n
rootView.addSubview(flamechartViewWrapper);\n    }\n\n    const verticalScrollOverflowView = new
VerticalScrollOverflowView(\n    surface,\n    defaultFrame,\n    rootView,\n    viewState,\n    );\n\n
surfaceRef.current.rootView = verticalScrollOverflowView;\n    }, [data]);\n\n    useEffect(() => {\n    if
(canvasRef.current) {\n    surfaceRef.current.setCanvas(canvasRef.current, {width, height});\n    }\n    }, [width,
height]);\n\n    const interactor = useCallback((interaction: Interaction) => {\n    const canvas = canvasRef.current;\n
if (canvas === null) {\n    return;\n    }\n\n    const surface = surfaceRef.current;\n
surface.handleInteraction(interaction);\n\n    // Flush any display work that got queued up as part of the previous
interaction.\n    // Typically there should be no work, but certain interactions may need a second pass.\n    // For
example, the ResizableView may collapse/expand its contents,\n    // which requires a second layout pass for an
ancestor VerticalScrollOverflowView.\n    //\n    // TODO It would be nice to remove this call for performance
reasons.\n    // To do that, we'll need to address the UX bug with VerticalScrollOverflowView.\n    // For more info
see: https://github.com/facebook/react/pull/22005#issuecomment-896953399\n
surface.displayIfNeeded();\n\n    canvas.style.cursor = surface.getCurrentCursor() || 'default';\n\n    // Defer drawing to canvas until React's commit
phase, to avoid drawing\n    // twice and to ensure that both the canvas and DOM elements managed by\n    // React
are in sync.\n    setMouseLocation({\n    x: interaction.payload.event.x,\n    y: interaction.payload.event.y,\n
});\n    }, []);\n\n    useCanvasInteraction(canvasRef, interactor);\n\n    useContextMenu({\n    data: {\n    data,\n
hoveredEvent,\n    },\n    id: CONTEXT_MENU_ID,\n    onChange: setContextMenuShown,\n    ref: canvasRef,\n
});\n\n    const {selectEvent} = useContext(TimelineContext);\n\n    useEffect(() => {\n    const {current:
userTimingMarksView} = userTimingMarksViewRef;\n    if (userTimingMarksView) {\n
userTimingMarksView.onHover = userTimingMark => {\n    if (!hoveredEvent || hoveredEvent.userTimingMark
!== userTimingMark) {\n    setHoveredEvent({\n    ...EMPTY_CONTEXT_INFO,\n
userTimingMark,\n    });\n    }\n    });\n\n    const {current: nativeEventsView} =

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nativeEventsViewRef;\n  if (nativeEventsView) {\n    nativeEventsView.onHover = nativeEvent => {\n      if\n      (!hoveredEvent || hoveredEvent.nativeEvent !== nativeEvent) {\n        setHoveredEvent({\n          ...EMPTY_CONTEXT_INFO,\n          nativeEvent,\n        });\n      }\n    };\n    const {current:\n    schedulingEventsView} = schedulingEventsViewRef;\n    if (schedulingEventsView) {\n      schedulingEventsView.onHover = schedulingEvent => {\n        if (!hoveredEvent || hoveredEvent.schedulingEvent\n        !== schedulingEvent) {\n          setHoveredEvent({\n            ...EMPTY_CONTEXT_INFO,\n            schedulingEvent,\n          });\n        }\n      };\n      schedulingEventsView.onClick = schedulingEvent => {\n        selectEvent({\n          ...EMPTY_CONTEXT_INFO,\n          schedulingEvent,\n        });\n      }\n    }\n    const\n    {current: suspenseEventsView} = suspenseEventsViewRef;\n    if (suspenseEventsView) {\n      suspenseEventsView.onHover = suspenseEvent => {\n        if (!hoveredEvent || hoveredEvent.suspenseEvent !==\n        suspenseEvent) {\n          setHoveredEvent({\n            ...EMPTY_CONTEXT_INFO,\n            suspenseEvent,\n          });\n        }\n      };\n    }\n    const {current: reactMeasuresView} = reactMeasuresViewRef;\n    if\n    (reactMeasuresView) {\n      reactMeasuresView.onHover = measure => {\n        if (!hoveredEvent ||\n        hoveredEvent.measure !== measure) {\n          setHoveredEvent({\n            ...EMPTY_CONTEXT_INFO,\n            measure,\n          });\n        }\n      };\n    }\n    const {current: componentMeasuresView} =\n    componentMeasuresViewRef;\n    if (componentMeasuresView) {\n      componentMeasuresView.onHover =\n      componentMeasure => {\n        if (!hoveredEvent ||\n        hoveredEvent.componentMeasure !==\n        componentMeasure)\n        {\n          setHoveredEvent({\n            ...EMPTY_CONTEXT_INFO,\n            componentMeasure,\n          });\n        }\n      };\n    }\n    const {current: snapshotsView} = snapshotsViewRef;\n    if (snapshotsView) {\n      snapshotsView.onHover = snapshot => {\n        if (!hoveredEvent ||\n        hoveredEvent.snapshot !== snapshot) {\n          setHoveredEvent({\n            ...EMPTY_CONTEXT_INFO,\n            snapshot,\n          });\n        }\n      };\n    }\n    const {current: flamechartView} = flamechartViewRef;\n    if\n    (flamechartView) {\n      flamechartView.setOnHover(flamechartStackFrame => {\n        if (!hoveredEvent\n        ||\n        hoveredEvent.flamechartStackFrame !== flamechartStackFrame)\n        {\n          setHoveredEvent({\n            ...EMPTY_CONTEXT_INFO,\n            flamechartStackFrame,\n          });\n        }\n      };\n    }\n    const\n    {current: networkMeasuresView} = networkMeasuresViewRef;\n    if (networkMeasuresView) {\n      networkMeasuresView.onHover = networkMeasure => {\n        if (!hoveredEvent || hoveredEvent.networkMeasure\n        !== networkMeasure) {\n          setHoveredEvent({\n            ...EMPTY_CONTEXT_INFO,\n            networkMeasure,\n          });\n        }\n      };\n    }\n    const {current: thrownErrorsView} =\n    thrownErrorsViewRef;\n    if (thrownErrorsView) {\n      thrownErrorsView.onHover = thrownError => {\n        if\n        (!hoveredEvent || hoveredEvent.thrownError !== thrownError) {\n          setHoveredEvent({\n            ...EMPTY_CONTEXT_INFO,\n            thrownError,\n          });\n        }\n      }, [\n        hoveredEvent,\n        data, // Attach onHover callbacks when views are re-created on data change\n      ]);\n    }\n    useLayoutEffect(() => {\n      const userTimingMarksView = userTimingMarksViewRef.current;\n      if (userTimingMarksView) {\n        userTimingMarksView.setHoveredMark(\n          hoveredEvent ? hoveredEvent.userTimingMark : null,\n        );\n      }\n      const nativeEventsView = nativeEventsViewRef.current;\n      if (nativeEventsView) {\n        nativeEventsView.setHoveredEvent(\n          hoveredEvent ? hoveredEvent.nativeEvent : null,\n        );\n      }\n      const schedulingEventsView = schedulingEventsViewRef.current;\n      if (schedulingEventsView) {\n        schedulingEventsView.setHoveredEvent(\n          hoveredEvent ? hoveredEvent.schedulingEvent : null,\n        );\n      }\n      const suspenseEventsView = suspenseEventsViewRef.current;\n      if (suspenseEventsView) {\n        suspenseEventsView.setHoveredEvent(\n          hoveredEvent ? hoveredEvent.suspenseEvent : null,\n        );\n      }\n      const reactMeasuresView = reactMeasuresViewRef.current;\n      if (reactMeasuresView) {\n        reactMeasuresView.setHoveredMeasure(\n          hoveredEvent ? hoveredEvent.measure : null,\n        );\n      }\n      const flamechartView = flamechartViewRef.current;\n      if (flamechartView) {\n        flamechartView.setHoveredFlamechartStackFrame(\n          hoveredEvent ? hoveredEvent.flamechartStackFrame :\n          null,\n        );\n      }\n      const networkMeasuresView = networkMeasuresViewRef.current;\n      if\n      (networkMeasuresView) {\n        networkMeasuresView.setHoveredEvent(\n          hoveredEvent ?\n          hoveredEvent.networkMeasure : null,\n        );\n      }\n    }, [hoveredEvent]);\n    // Draw to canvas in React's commit

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phase\n useLayoutEffect(() => {\n  surfaceRef.current.displayIfNeeded();\n });\n\n return (\n  <Fragment>\n  <canvas ref={canvasRef} height={height} width={width} />\n  <ContextMenu id={CONTEXT_MENU_ID}>\n    {contextData => {\n      if (contextData.hoveredEvent == null) {\n        return null;\n      }\n      const\n      {\n        componentMeasure,\n        flamechartStackFrame,\n        measure,\n        networkMeasure,\n        schedulingEvent,\n        suspenseEvent,\n      } = contextData.hoveredEvent;\n      return (\n        <Fragment>\n          {componentMeasure !== null && (\n            <ContextMenu\n              item\n              onClick={()\n                => copy(componentMeasure.componentName)}\n              title=\"Copy component name\">\n                Copy\n                component name\n              </ContextMenu\n                item\n              >)\n            }\n            {networkMeasure !== null && (\n              <ContextMenu\n                item\n                onClick={() => copy(networkMeasure.url)}\n                title=\"Copy URL\">\n                  Copy URL\n                </ContextMenu\n                  item\n                >)\n            }\n            {schedulingEvent !== null && (\n              <ContextMenu\n                item\n                onClick={() => copy(schedulingEvent.componentName)}\n                title=\"Copy component name\">\n                  Copy component name\n                </ContextMenu\n                  item\n                >)\n            }\n          )\n          {suspenseEvent !== null && (\n            <ContextMenu\n              item\n              onClick={() =>\n                copy(suspenseEvent.componentName)}\n              title=\"Copy component name\">\n                Copy\n                component name\n              </ContextMenu\n                item\n              >)\n            }\n            {measure !== null && (\n              <ContextMenu\n                item\n                onClick={() =>\n                  zoomToBatch(contextData.data, measure, viewState,\n                    width)\n                }\n                title=\"Zoom to batch\">\n                  Zoom to batch\n                </ContextMenu\n                  item\n                >)\n            }\n            {measure !== null && (\n              <ContextMenu\n                item\n                onClick={() => copySummary(contextData.data, measure)}\n                title=\"Copy summary\">\n                  Copy summary\n                </ContextMenu\n                  item\n                >)\n            }\n            {flamechartStackFrame !== null && (\n              <ContextMenu\n                item\n                onClick={() => copy(flamechartStackFrame.scriptUrl)}\n                title=\"Copy file path\">\n                  Copy file path\n                </ContextMenu\n                  item\n                >)\n            }\n            {flamechartStackFrame !== null && (\n              <ContextMenu\n                item\n                onClick={() =>\n                  copy(\n                    `line ${\n                      flamechartStackFrame.locationLine ?? \"\n                    }, column\n                    ${\n                      flamechartStackFrame.locationColumn ?? \"\n                    },\n                    >\n                  }\n                  title=\"Copy\n                  location\">\n                    Copy location\n                  </ContextMenu\n                    item\n                  >)\n                </Fragment>\n              )\n            }\n          )\n        </ContextMenu>\n      {\n        !isContextMenuShown && !surfaceRef.current.hasActiveView() && (\n          <EventTooltip\n            canvasRef={canvasRef}\n            data={data}\n            height={height}\n            hoveredEvent={hoveredEvent}\n            origin={mouseLocation}\n            width={width}\n          />\n        )\n      }\n    </Fragment>\n  );\n}\n\nexport default CanvasPage;\n\n/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this\n * source tree.\n */\n\n@flow\n\n/**\n * An error thrown when an invalid profile could not be processed.\n */\nexport default class InvalidProfileError extends Error {}\n\n/**\n * Copyright (c) Meta Platforms, Inc. and\n * affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root\n * directory of this source tree.\n */\n\n@flow\n\nimport {\n  importFromChromeTimeline,\n  Flamechart as\n  SpeedscopeFlamechart,\n} from '@elg/speedscope';\nimport type {TimelineEvent} from\n '@elg/speedscope';\nimport type {\n  ErrorStackFrame,\n  BatchUID,\n  Flamechart,\n  Milliseconds,\n  NativeEvent,\n  NetworkMeasure,\n  Phase,\n  ReactLane,\n  ReactComponentMeasure,\n  ReactComponentMeasureType,\n  ReactMeasure,\n  ReactMeasureType,\n  TimelineData,\n  SchedulingEvent,\n  SuspenseEvent,\n} from './types';\nimport {\n  REACT_TOTAL_NUM_LANES,\n  SCHEDULING_PROFILER_VERSION,\n  SNAPSHOT_MAX_HEIGHT,\n} from './constants';\nimport\n InvalidProfileError from './InvalidProfileError';\nimport {getBatchRange} from './utils/getBatchRange';\nimport\n ErrorStackParser from 'error-stack-parser';\n\ntype MeasureStackElement = {\n  type: ReactMeasureType,\n  depth:\n  number,\n  measure: ReactMeasure,\n  startTime: Milliseconds,\n  stopTime?: Milliseconds,\n};\n\ntype\n ProcessorState = {\n  asyncProcessingPromises: Promise<any>[],\n  batchUID: BatchUID,\n  currentReactComponentMeasure: ReactComponentMeasure | null,\n  internalModuleCurrentStackFrame:\n  ErrorStackFrame | null,\n  internalModuleStackStringSet: Set<string>,\n  measureStack: MeasureStackElement[],\n  nativeEventStack: NativeEvent[],\n  nextRenderShouldGenerateNewBatchID: boolean,\n  potentialLongEvents:

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Array<[NativeEvent, BatchUID]>,\n potentialLongNestedUpdate: SchedulingEvent | null,\n
potentialLongNestedUpdates: Array<[SchedulingEvent, BatchUID]>,\n
potentialSuspenseEventsOutsideOfTransition: Array<\n  [SuspenseEvent, ReactLane[]],\n >,\n
requestIdToNetworkMeasureMap: Map<string, NetworkMeasure>,\n uidCounter: BatchUID,\n
unresolvedSuspenseEvents: Map<string, SuspenseEvent>,\n};\n\nconst
NATIVE_EVENT_DURATION_THRESHOLD = 20;\nconst NESTED_UPDATE_DURATION_THRESHOLD =
20;\n\nconst WARNING_STRINGS = {\n  LONG_EVENT_HANDLER:\n    'An event handler scheduled a big
update with React. Consider using the Transition API to defer some of this work.',\n  NESTED_UPDATE:\n    'A
big nested update was scheduled during layout.' +\n    'Nested updates require React to re-render synchronously
before the browser can paint.' +\n    'Consider delaying this update by moving it to a passive effect (useEffect).',\n
  SUSPEND_DURING_UPDATE:\n    'A component suspended during an update which caused a fallback to be
shown.' +\n    '"Consider using the Transition API to avoid hiding components after they've been
mounted.'\n};\n\n// Exported for tests\nexport function getLanesFromTransportDecimalBitmask(\n
laneBitmaskString: string,\n): ReactLane[] {\n  const laneBitmask = parseInt(laneBitmaskString, 10);\n  // As
negative numbers are stored in two's complement format, our bitmask\n  // checks will be thrown off by them.\n  if
(laneBitmask < 0) {\n    return [];\n  }\n  const lanes = [];\n  let powersOfTwo = 0;\n  while (powersOfTwo <=
REACT_TOTAL_NUM_LANES) {\n    if ((1 << powersOfTwo) & laneBitmask) {\n
lanes.push(powersOfTwo);\n    }\n    powersOfTwo++;\n  }\n  return lanes;\n}\n\nfunction
updateLaneToLabelMap(\n  profilerData: TimelineData,\n  laneLabelTuplesString: string,\n): void {\n  // These
marks appear multiple times in the data;\n  // We only need to extract them once.\n  if
(profilerData.laneToLabelMap.size === 0) {\n    const laneLabelTuples = laneLabelTuplesString.split(',');\n    for
(let laneIndex = 0; laneIndex < laneLabelTuples.length; laneIndex++) {\n      // The numeric lane value (e.g. 64) isn't
important.\n      // The profiler parses and stores the lane's position within the bitmap,\n      // (e.g. lane 1 is index 0,
lane 16 is index 4).\n      profilerData.laneToLabelMap.set(laneIndex, laneLabelTuples[laneIndex]);\n    }\n  }\n\n  let profilerVersion = null;\n\n  function getLastType(stack: $PropertyType<ProcessorState, 'measureStack'>)\n  {\n    if (stack.length > 0) {\n      const {type} = stack[stack.length - 1];\n      return type;\n    }\n    return
null;\n  }\n\n  function getDepth(stack: $PropertyType<ProcessorState, 'measureStack'>)\n  {\n    if (stack.length > 0) {\n
const {depth, type} = stack[stack.length - 1];\n      return type === 'render-idle' ? depth : depth + 1;\n    }\n    return
0;\n  }\n\n  function markWorkStarted(\n    type: ReactMeasureType,\n    startTime: Milliseconds,\n    lanes:
ReactLane[],\n    currentProfilerData: TimelineData,\n    state: ProcessorState,\n) {\n    const {batchUID, measureStack}
= state;\n    const depth = getDepth(measureStack);\n\n    const measure: ReactMeasure = {\n      type,\n      batchUID,\n
depth,\n      lanes,\n      timestamp: startTime,\n      duration: 0,\n    };\n\n    state.measureStack.push({depth, measure,
startTime, type});\n\n    // This array is pre-initialized when the batchUID is generated.\n    const measures =
currentProfilerData.batchUIDToMeasuresMap.get(batchUID);\n    if (measures !== null) {\n
measures.push(measure);\n    } else {\n      currentProfilerData.batchUIDToMeasuresMap.set(state.batchUID,
[measure]);\n    }\n\n    // This array is pre-initialized before processing starts.\n    lanes.forEach(lane => {\n
((currentProfilerData.laneToReactMeasureMap.get(\n      lane,\n    ): any): ReactMeasure[]).push(measure);\n
});\n  }\n\n  function markWorkCompleted(\n    type: ReactMeasureType,\n    stopTime: Milliseconds,\n
currentProfilerData: TimelineData,\n    stack: $PropertyType<ProcessorState, 'measureStack'>,\n) {\n    if (stack.length
=== 0) {\n      console.error(\n        'Unexpected type \"%s\" completed at %sms while stack is empty.',\n        type,\n
stopTime,\n      );\n      // Ignore work \"completion\" user timing mark that doesn't complete anything\n      return;\n
    }\n\n    const last = stack[stack.length - 1];\n    if (last.type !== type) {\n      console.error(\n        'Unexpected
type \"%s\" completed at %sms before \"%s\" completed.',\n        type,\n        stopTime,\n        last.type,\n      );\n    }\n\n    const
{measure, startTime} = stack.pop();\n    if (!measure) {\n      console.error('Could not find matching measure for type
\"%s\".', type);\n    }\n\n    // $FlowFixMe[cannot-write] This property should not be writable outside of this function.\n
measure.duration = stopTime - startTime;\n  }\n\n  function throwIfIncomplete(\n    type: ReactMeasureType,\n    stack:
$PropertyType<ProcessorState, 'measureStack'>,\n) {\n    const lastIndex = stack.length - 1;\n    if (lastIndex >= 0) {\n
const last = stack[lastIndex];\n      if (last.stopTime === undefined && last.type === type) {\n        throw new

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InvalidProfileError(\n    `Unexpected type "${type}" started before "${last.type}" completed.`,\n    );\n  }\n}\n\nfunction processEventDispatch(\n  event: TimelineEvent,\n  timestamp: Milliseconds,\n  profilerData: TimelineData,\n  state: ProcessorState,\n) {\n  const data = event.args.data;\n  const type = data.type;\n\n  if (type.startsWith('react-')) {\n    const stackTrace = data.stackTrace;\n    if (stackTrace) {\n      const topFrame = stackTrace[stackTrace.length - 1];\n      if (topFrame.url.includes('/react-dom.')) {\n        // Filter out fake React events dispatched by invokeGuardedCallbackDev.\n        return;\n      }\n    }\n  }\n\n  // Reduce noise from events like DOMActivate, load/unload, etc. which are usually not relevant\n  if (\n    type === 'blur' ||\n    type === 'click' ||\n    type === 'input' ||\n    type.startsWith('focus') ||\n    type.startsWith('key') ||\n    type.startsWith('mouse') ||\n    type.startsWith('pointer')\n  ) {\n    const duration = event.dur / 1000;\n    let depth = 0;\n\n    while (state.nativeEventStack.length > 0) {\n      const prevNativeEvent =\n        state.nativeEventStack[state.nativeEventStack.length - 1];\n      const prevStopTime = prevNativeEvent.timestamp +\n        prevNativeEvent.duration;\n\n      if (timestamp < prevStopTime) {\n        depth = prevNativeEvent.depth + 1;\n        break;\n      } else {\n        state.nativeEventStack.pop();\n      }\n    }\n\n    const nativeEvent = {\n      depth,\n      duration,\n      timestamp,\n      type,\n      warning: null,\n    };\n\n    profilerData.nativeEvents.push(nativeEvent);\n    // Keep track of curent event in case future ones overlap.\n    // We separate them into different vertical lanes in this case.\n    state.nativeEventStack.push(nativeEvent);\n  }\n}\n\nfunction processResourceFinish(\n  event: TimelineEvent,\n  timestamp: Milliseconds,\n  profilerData: TimelineData,\n  state: ProcessorState,\n) {\n  const requestId = event.args.data.requestId;\n  const networkMeasure = state.requestIdToNetworkMeasureMap.get(requestId);\n  if (networkMeasure !== null) {\n    networkMeasure.finishTimestamp = timestamp;\n    if (networkMeasure.firstReceivedDataTimestamp === 0) {\n      networkMeasure.firstReceivedDataTimestamp = timestamp;\n    }\n    if (networkMeasure.lastReceivedDataTimestamp === 0) {\n      networkMeasure.lastReceivedDataTimestamp = timestamp;\n    }\n    // Clean up now that the resource is done.\n    state.requestIdToNetworkMeasureMap.delete(event.args.data.requestId);\n  }\n}\n\nfunction processResourceReceivedData(\n  event: TimelineEvent,\n  timestamp: Milliseconds,\n  profilerData: TimelineData,\n  state: ProcessorState,\n) {\n  const requestId = event.args.data.requestId;\n  const networkMeasure = state.requestIdToNetworkMeasureMap.get(requestId);\n  if (networkMeasure !== null) {\n    if (networkMeasure.firstReceivedDataTimestamp === 0) {\n      networkMeasure.firstReceivedDataTimestamp = timestamp;\n    }\n    networkMeasure.lastReceivedDataTimestamp = timestamp;\n    networkMeasure.finishTimestamp = timestamp;\n  }\n}\n\nfunction processResourceReceiveResponse(\n  event: TimelineEvent,\n  timestamp: Milliseconds,\n  profilerData: TimelineData,\n  state: ProcessorState,\n) {\n  const requestId = event.args.data.requestId;\n  const networkMeasure = state.requestIdToNetworkMeasureMap.get(requestId);\n  if (networkMeasure !== null) {\n    networkMeasure.receiveResponseTimestamp = timestamp;\n  }\n}\n\nfunction processScreenshot(\n  event: TimelineEvent,\n  timestamp: Milliseconds,\n  profilerData: TimelineData,\n  state: ProcessorState,\n) {\n  const encodedSnapshot = event.args.snapshot; // Base 64 encoded\n\n  const snapshot = {\n    height: 0,\n    image: null,\n    imageSource: `data:image/png;base64,${encodedSnapshot}`,\n    timestamp,\n    width: 0,\n  };\n\n  // Delay processing until we've extracted snapshot dimensions.\n  let resolveFn = ((null: any): Function);\n\n  state.asyncProcessingPromises.push(\n    new Promise(resolve => {\n      resolveFn = resolve;\n    }),\n  );\n\n  // Parse the Base64 image data to determine native size.\n  // This will be used later to scale for display within the thumbnail strip.\n  fetch(snapshot.imageSource)\n    .then(response => response.blob())\n    .then(blob => {\n      // $FlowFixMe[cannot-resolve-name] createImageBitmap\n      createImageBitmap(blob).then(bitmap => {\n        snapshot.height = bitmap.height;\n        snapshot.width = bitmap.width;\n\n        resolveFn();\n      });\n    });\n\n  profilerData.snapshots.push(snapshot);\n}\n\nfunction processResourceSendRequest(\n  event: TimelineEvent,\n  timestamp: Milliseconds,\n  profilerData: TimelineData,\n  state: ProcessorState,\n) {\n  const data = event.args.data;\n  const requestId = data.requestId;\n\n  const availableDepths = new Array<boolean>(\n    state.requestIdToNetworkMeasureMap.size + 1,\n  ).fill(true);\n\n  state.requestIdToNetworkMeasureMap.forEach(({ depth }) => {\n    availableDepths[depth] = false;\n  });\n\n  let

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depth = 0;\n for (let i = 0; i < availableDepths.length; i++) {\n   if (availableDepths[i]) {\n     depth = i;\n     break;\n   }\n }\n\n const networkMeasure: NetworkMeasure = {\n   depth,\n   finishTimestamp: 0,\n   firstReceivedDataTimestamp: 0,\n   lastReceivedDataTimestamp: 0,\n   requestId,\n   requestMethod:\n     data.requestMethod,\n   priority: data.priority,\n   sendRequestTimestamp: timestamp,\n   receiveResponseTimestamp: 0,\n   url: data.url,\n };;\n\n state.requestIdToNetworkMeasureMap.set(requestId,\n networkMeasure);\n\n profilerData.networkMeasures.push(networkMeasure);\n\n networkMeasure.sendRequestTimestamp = timestamp;\n\n\n\nfunction processTimelineEvent(\n event:\n TimelineEvent,\n /** Finalized profiler data up to `event`. May be mutated. */\n currentProfilerData:\n TimelineData,\n /** Intermediate processor state. May be mutated. */\n state: ProcessorState,\n) {\n  const {cat,\n name, ts, ph} = event;\n\n  const startTime = (ts - currentProfilerData.startTime) / 1000;\n\n  switch (cat) {\n    case 'disabled-by-default-devtools.screenshot':\n      processScreenshot(event, startTime, currentProfilerData, state);\n      break;\n    case 'devtools.timeline':\n      switch (name) {\n        case 'EventDispatch':\n          processEventDispatch(event, startTime, currentProfilerData, state);\n          break;\n        case 'ResourceFinish':\n          processResourceFinish(event, startTime, currentProfilerData, state);\n          break;\n        case\n 'ResourceReceivedData':\n          processResourceReceivedData(\n            event,\n            startTime,\n            currentProfilerData,\n            state,\n            );\n          break;\n        case 'ResourceReceiveResponse':\n          processResourceReceiveResponse(\n            event,\n            startTime,\n            currentProfilerData,\n            state,\n            );\n          break;\n        case 'ResourceSendRequest':\n          processResourceSendRequest(\n            event,\n            startTime,\n            currentProfilerData,\n            state,\n            );\n          break;\n      }\n      break;\n    case\n 'blink.user_timing':\n      if (name.startsWith('--react-version-')) {\n        const [reactVersion] = name.slice(16).split('-');\n        currentProfilerData.reactVersion = reactVersion;\n      } else if (name.startsWith('--profiler-version-')) {\n        const [versionString] = name.slice(19).split('-');\n        profilerVersion = parseInt(versionString, 10);\n        if\n (profilerVersion !== SCHEDULING_PROFILER_VERSION) {\n          throw new InvalidProfileError(\n            `This version of profiling data (${versionString}) is not supported by the current profiler.`,\n            );\n        }\n      } else if (name.startsWith('--react-lane-labels-')) {\n        const [laneLabelTuplesString] = name.slice(20).split('-');\n        updateLaneToLabelMap(currentProfilerData, laneLabelTuplesString);\n      } else if (name.startsWith('--\n component-')) {\n        processReactComponentMeasure(\n          name,\n          startTime,\n          currentProfilerData,\n          state,\n          );\n      } else if (name.startsWith('--schedule-render-')) {\n        const\n [laneBitmaskString] = name.slice(18).split('-');\n        currentProfilerData.schedulingEvents.push({\n          type:\n 'schedule-render',\n          lanes: getLanesFromTransportDecimalBitmask(laneBitmaskString),\n          timestamp:\n            startTime,\n          warning: null,\n        });\n      } else if (name.startsWith('--schedule-forced-update-')) {\n        const\n [laneBitmaskString, componentName] = name.slice(25).split('-');\n        const forceUpdateEvent = {\n          type:\n 'schedule-force-update',\n          lanes: getLanesFromTransportDecimalBitmask(laneBitmaskString),\n          componentName,\n          timestamp: startTime,\n          warning: null,\n        };;\n        // If this is a nested update,\n make a note of it.\n        // Once we're done processing events, we'll check to see if it was a long update and warn\n about it.\n        if (state.measureStack.find(({type}) => type === 'commit')) {\n          state.potentialLongNestedUpdate = forceUpdateEvent;\n        }\n        currentProfilerData.schedulingEvents.push(forceUpdateEvent);\n      } else if (name.startsWith('--schedule-state-\n update-')) {\n        const [laneBitmaskString, componentName] = name.slice(24).split('-');\n        const\n stateUpdateEvent = {\n          type: 'schedule-state-update',\n          lanes:\n            getLanesFromTransportDecimalBitmask(laneBitmaskString),\n          componentName,\n          timestamp:\n            startTime,\n          warning: null,\n        };;\n        // If this is a nested update, make a note of it.\n        // Once we're\n done processing events, we'll check to see if it was a long update and warn about it.\n        if\n (state.measureStack.find(({type}) => type === 'commit')) {\n          state.potentialLongNestedUpdate =\n stateUpdateEvent;\n        }\n        currentProfilerData.schedulingEvents.push(stateUpdateEvent);\n      } else if\n (name.startsWith('--error-')) {\n        const [componentName, phase, message] = name.slice(8).split('-');\n        currentProfilerData.thrownErrors.push({\n          componentName,\n          message,\n          phase: ((phase: any):\n Phase),\n          timestamp: startTime,\n          type: 'thrown-error',\n        });\n      } else if (name.startsWith('--

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suspend-suspend-')) {\n    const [id, componentName, phase, laneBitmaskString, promiseName] = name\n
.slice(19)\n    .split('-');\n    const lanes = getLanesFromTransportDecimalBitmask(laneBitmaskString);\n\nconst availableDepths = new Array<boolean>(n    state.unresolvedSuspenseEvents.size + 1,\n    ).fill(true);\n    state.unresolvedSuspenseEvents.forEach(({depth}) => {\n        availableDepths[depth] = false;\n    });\n\nlet depth = 0;\n    for (let i = 0; i < availableDepths.length; i++) {\n        if (availableDepths[i]) {\n            depth =\n            i;\n            break;\n        }\n    }\n\n    // TODO (timeline) Maybe we should calculate depth in post,\n    // so\n    unresolved Suspense requests don't take up space.\n    // We can't know if they'll be resolved or not at this point.\n\n    // We'll just give them a default (fake) duration width.\n    const suspenseEvent = {\n        componentName,\n        depth,\n        duration: null,\n        id,\n        phase: ((phase: any): Phase),\n        promiseName: promiseName || null,\n        resolution: 'unresolved',\n        timestamp: startTime,\n        type:\n        'suspense',\n        warning: null,\n    };\n\n    if (phase === 'update') {\n        // If a component suspended\n        during an update, we should verify that it was during a transition.\n        // We need the lane metadata to verify this\n        though.\n        // Since that data is only logged during commit, we may not have it yet.\n        // Store these events\n        for post-processing then.\n        state.potentialSuspenseEventsOutsideOfTransition.push([\n        suspenseEvent,\n        lanes,\n    ]);\n    }\n\n    currentProfilerData.suspenseEvents.push(suspenseEvent);\n    state.unresolvedSuspenseEvents.set(id,\n    suspenseEvent);\n    } else if (name.startsWith('--suspend-resolved-')) {\n        const [id] = name.slice(20).split('-\n        ');;\n        const suspenseEvent = state.unresolvedSuspenseEvents.get(id);\n        if (suspenseEvent !== null) {\n            state.unresolvedSuspenseEvents.delete(id);\n            suspenseEvent.duration = startTime -\n            suspenseEvent.timestamp;\n            suspenseEvent.resolution = 'resolved';\n        }\n    } else if (name.startsWith('--\n        suspense-rejected-')) {\n        const [id] = name.slice(20).split('-');\n        const suspenseEvent =\n        state.unresolvedSuspenseEvents.get(id);\n        if (suspenseEvent !== null) {\n            state.unresolvedSuspenseEvents.delete(id);\n            suspenseEvent.duration = startTime -\n            suspenseEvent.timestamp;\n            suspenseEvent.resolution = 'rejected';\n        }\n    } else if (name.startsWith('--\n        render-start-')) {\n        if (state.nextRenderShouldGenerateNewBatchID) {\n            state.nextRenderShouldGenerateNewBatchID = false;\n            state.batchUID = ((state.uidCounter++: any):\n            BatchUID);\n        }\n        // If this render is the result of a nested update, make a note of it.\n        // Once we're\n        done processing events, we'll check to see if it was a long update and warn about it.\n        if\n        (state.potentialLongNestedUpdate !== null) {\n            state.potentialLongNestedUpdates.push([\n            state.potentialLongNestedUpdate,\n            state.batchUID,\n        ]);\n            state.potentialLongNestedUpdate =\n            null;\n        }\n        const [laneBitmaskString] = name.slice(15).split('-');\n        throwIfIncomplete('render',\n        state.measureStack);\n        if (getLastType(state.measureStack) !== 'render-idle') {\n            markWorkStarted(\n            'render-idle',\n            startTime,\n            getLanesFromTransportDecimalBitmask(laneBitmaskString),\n            currentProfilerData,\n            state,\n        );\n        }\n        markWorkStarted(\n            'render',\n            startTime,\n            getLanesFromTransportDecimalBitmask(laneBitmaskString),\n            currentProfilerData,\n            state,\n        );\n        for (let i = 0; i < state.nativeEventStack.length; i++) {\n            const nativeEvent =\n            state.nativeEventStack[i];\n            const stopTime = nativeEvent.timestamp + nativeEvent.duration;\n\n            // If\n            React work was scheduled during an event handler, and the event had a long duration,\n            // it might be because\n            the React render was long and stretched the event.\n            // It might also be that the React work was short and that\n            something else stretched the event.\n            // Make a note of this event for now and we'll examine the batch of React\n            render work later.\n            // (We can't know until we're done processing the React update anyway.)\n            if\n            (stopTime > startTime) {\n                state.potentialLongEvents.push([nativeEvent, state.batchUID]);\n            }\n        }\n    } else if (\n        name.startsWith('--render-stop') ||\n        name.startsWith('--render-yield')\n    ) {\n        markWorkCompleted(\n            'render',\n            startTime,\n            currentProfilerData,\n            state.measureStack,\n        );\n    } else if (name.startsWith('--commit-start-')) {\n        state.nextRenderShouldGenerateNewBatchID =\n        true;\n        const [laneBitmaskString] = name.slice(15).split('-');\n        markWorkStarted(\n            'commit',\n            startTime,\n            getLanesFromTransportDecimalBitmask(laneBitmaskString),\n            currentProfilerData,\n            state,\n        );\n    } else if (name.startsWith('--commit-stop')) {\n        markWorkCompleted(\n            'commit',\n    }

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    startTime,\n        currentProfilerData,\n        state.measureStack,\n    );\n    markWorkCompleted(\n
'render-idle',\n        startTime,\n        currentProfilerData,\n        state.measureStack,\n    );\n    } else if
(name.startsWith('--layout-effects-start-')) {\n        const [laneBitmaskString] = name.slice(23).split('-');\n        markWorkStarted(\n
        'layout-effects',\n        startTime,\n
getLanesFromTransportDecimalBitmask(laneBitmaskString),\n        currentProfilerData,\n        state,\n    );\n    } else if (name.startsWith('--layout-effects-stop')) {\n        markWorkCompleted(\n
        'layout-effects',\n
startTime,\n        currentProfilerData,\n        state.measureStack,\n    );\n    } else if (name.startsWith('--
passive-effects-start-')) {\n        const [laneBitmaskString] = name.slice(24).split('-');\n        markWorkStarted(\n
        'passive-effects',\n        startTime,\n
getLanesFromTransportDecimalBitmask(laneBitmaskString),\n
currentProfilerData,\n        state,\n    );\n    } else if (name.startsWith('--passive-effects-stop')) {\n
markWorkCompleted(\n        'passive-effects',\n        startTime,\n        currentProfilerData,\n
state.measureStack,\n    );\n    } else if (name.startsWith('--react-internal-module-start-')) {\n        const
stackFrameStart = name.slice(30);\n        if (!state.internalModuleStackStringSet.has(stackFrameStart)) {\n
state.internalModuleStackStringSet.add(stackFrameStart);\n        const parsedStackFrameStart =
parseStackFrame(stackFrameStart);\n        state.internalModuleCurrentStackFrame = parsedStackFrameStart;\n
    }\n    } else if (name.startsWith('--react-internal-module-stop-')) {\n        const stackFrameStop =
name.slice(29);\n        if (!state.internalModuleStackStringSet.has(stackFrameStop)) {\n
state.internalModuleStackStringSet.add(stackFrameStop);\n        const parsedStackFrameStop =
parseStackFrame(stackFrameStop);\n        if (\n            parsedStackFrameStop !== null &&\n
state.internalModuleCurrentStackFrame !== null\n        ) {\n            const parsedStackFrameStart =
state.internalModuleCurrentStackFrame;\n            state.internalModuleCurrentStackFrame = null;\n            const
range = [parsedStackFrameStart, parsedStackFrameStop];\n            const ranges =
currentProfilerData.internalModuleSourceToRanges.get(\n                parsedStackFrameStart.fileName,\n            );\n            if (ranges === null) {\n                currentProfilerData.internalModuleSourceToRanges.set(\n
                parsedStackFrameStart.fileName,\n                [range],\n            );\n            } else {\n                ranges.push(range);\n
            }\n        }\n    } else if (ph === 'R' || ph === 'n') {\n        // User Timing mark\n
currentProfilerData.otherUserTimingMarks.push({\n        name,\n        timestamp: startTime,\n    });\n    } else
if (ph === 'b') {\n        // TODO: Begin user timing measure\n    } else if (ph === 'e') {\n        // TODO: End user
timing measure\n    } else if (ph === 'i' || ph === 'T') {\n        // Instant events.\n        // Note that the capital 'I' is a
deprecated value that exists in Chrome Canary traces.\n    } else {\n        throw new InvalidProfileError(\n
`Unrecognized event ${JSON.stringify(\n            event,\n        )}`);\n    }\n    }\n    break;\n    }\n}\n\nfunction assertNoOverlappingComponentMeasure(state: ProcessorState) {\n    if
(state.currentReactComponentMeasure !== null) {\n        console.error(\n            `Component measure started while
another measure in progress`,\n            state.currentReactComponentMeasure,\n        );\n    }\n}\n\nfunction
assertCurrentComponentMeasureType(\n    state: ProcessorState,\n    type: ReactComponentMeasureType,\n): void {\n    if
(state.currentReactComponentMeasure === null) {\n        console.error(\n            `Component measure type \"${type}\"
stopped while no measure was in progress`,\n        );\n    } else if (state.currentReactComponentMeasure.type !== type)
{\n        console.error(\n            `Component measure type \"${type}\" stopped while type
${state.currentReactComponentMeasure.type} in progress`,\n        );\n    }\n}\n\nfunction
processReactComponentMeasure(\n    name: string,\n    startTime: Milliseconds,\n    currentProfilerData:
TimelineData,\n    state: ProcessorState,\n): void {\n    if (name.startsWith('--component-render-start-')) {\n        const
[componentName] = name.slice(25).split('-');\n        assertNoOverlappingComponentMeasure(state);\n        state.currentReactComponentMeasure = {\n
            componentName,\n            timestamp: startTime,\n            duration: 0,\n            type: 'render',\n            warning: null,\n        };
    } else if (name === '--component-render-stop') {\n        assertCurrentComponentMeasureType(state, 'render');\n        if (state.currentReactComponentMeasure !== null) {\n
            const componentMeasure = state.currentReactComponentMeasure;\n            componentMeasure.duration = startTime -
componentMeasure.timestamp;\n            state.currentReactComponentMeasure = null;\n            currentProfilerData.componentMeasures.push(componentMeasure);\n        }\n    } else if (name.startsWith('--

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component-layout-effect-mount-start-')) {\n  const [componentName] = name.slice(38).split('-');\n\n  assertNoOverlappingComponentMeasure(state);\n\n  state.currentReactComponentMeasure = {\n    componentName,\n    timestamp: startTime,\n    duration: 0,\n    type: 'layout-effect-mount',\n    warning:\n    null,\n  }; \n } else if (name === '--component-layout-effect-mount-stop') {\n  assertCurrentComponentMeasureType(state, 'layout-effect-mount');\n\n  if (state.currentReactComponentMeasure\n    !== null) {\n    const componentMeasure = state.currentReactComponentMeasure;\n\n    componentMeasure.duration = startTime - componentMeasure.timestamp;\n\n    state.currentReactComponentMeasure = null;\n\n    currentProfilerData.componentMeasures.push(componentMeasure);\n  } \n } else if (name.startsWith('--\n  component-layout-effect-unmount-start-')) {\n  const [componentName] = name.slice(40).split('-');\n\n  assertNoOverlappingComponentMeasure(state);\n\n  state.currentReactComponentMeasure = {\n    componentName,\n    timestamp: startTime,\n    duration: 0,\n    type: 'layout-effect-unmount',\n    warning:\n    null,\n  }; \n } else if (name === '--component-layout-effect-unmount-stop') {\n  assertCurrentComponentMeasureType(state, 'layout-effect-unmount');\n\n  if\n  (state.currentReactComponentMeasure !== null) {\n    const componentMeasure =\n    state.currentReactComponentMeasure;\n\n    componentMeasure.duration = startTime -\n    componentMeasure.timestamp;\n\n    state.currentReactComponentMeasure = null;\n\n    currentProfilerData.componentMeasures.push(componentMeasure);\n  } \n } else if (name.startsWith('--\n  component-passive-effect-mount-start-')) {\n  const [componentName] = name.slice(39).split('-');\n\n  assertNoOverlappingComponentMeasure(state);\n\n  state.currentReactComponentMeasure = {\n    componentName,\n    timestamp: startTime,\n    duration: 0,\n    type: 'passive-effect-mount',\n    warning:\n    null,\n  }; \n } else if (name === '--component-passive-effect-mount-stop') {\n  assertCurrentComponentMeasureType(state, 'passive-effect-mount');\n\n  if (state.currentReactComponentMeasure\n    !== null) {\n    const componentMeasure = state.currentReactComponentMeasure;\n\n    componentMeasure.duration = startTime - componentMeasure.timestamp;\n\n    state.currentReactComponentMeasure = null;\n\n    currentProfilerData.componentMeasures.push(componentMeasure);\n  } \n } else if (name.startsWith('--\n  component-passive-effect-unmount-start-')) {\n  const [componentName] = name.slice(41).split('-');\n\n  assertNoOverlappingComponentMeasure(state);\n\n  state.currentReactComponentMeasure = {\n    componentName,\n    timestamp: startTime,\n    duration: 0,\n    type: 'passive-effect-unmount',\n    warning:\n    null,\n  }; \n } else if (name === '--component-passive-effect-unmount-stop') {\n  assertCurrentComponentMeasureType(state, 'passive-effect-unmount');\n\n  if\n  (state.currentReactComponentMeasure !== null) {\n    const componentMeasure =\n    state.currentReactComponentMeasure;\n\n    componentMeasure.duration = startTime -\n    componentMeasure.timestamp;\n\n    state.currentReactComponentMeasure = null;\n\n    currentProfilerData.componentMeasures.push(componentMeasure);\n  } \n } \n }\n\nfunction\npreprocessFlamechart(rawData: TimelineEvent[]): Flamechart {\n  let parsedData;\n  try {\n    parsedData =\n    importFromChromeTimeline(rawData, 'react-devtools');\n  } catch (error) {\n    // Assume any Speedscope errors are\n    caused by bad profiles\n    const errorToRethrow = new InvalidProfileError(error.message);\n\n    errorToRethrow.stack = error.stack;\n    throw errorToRethrow;\n  }\n\n  const profile = parsedData.profiles[0]; //\n  TODO: Choose the main CPU thread only\n\n  const speedscopeFlamechart = new SpeedscopeFlamechart({\n    //\n    $FlowFixMe[method-unbinding]\n    getTotalWeight: profile.getTotalWeight.bind(profile),\n    //\n    $FlowFixMe[method-unbinding]\n    forEachCall: profile.forEachCall.bind(profile),\n    // $FlowFixMe[method-unbinding]\n    formatValue: profile.formatValue.bind(profile),\n    getColorBucketForFrame: () => 0,\n  });\n\n  const flamechart: Flamechart = speedscopeFlamechart.getLayers().map(layer =>\n  layer.map(\n  (\n  {\n    start,\n    end,\n    node: {\n      frame: {name, file, line, col},\n    },\n  }) => ({\n    name,\n    timestamp: start / 1000,\n    duration: (end - start) / 1000,\n    scriptUrl: file,\n    locationLine: line,\n    locationColumn: col,\n  })),\n  ),\n  );\n  return flamechart;\n}\n\nfunction parseStackFrame(stackFrame:

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string): ErrorStackFrame | null {\n  const error = new Error();\n  error.stack = stackFrame;\n\n  const frames =
ErrorStackParser.parse(error);\n  return frames.length === 1 ? frames[0] : null;\n}\n\nexport default async
function preprocessData(\n  timeline: TimelineEvent[],\n): Promise<TimelineData> {\n  const flamechart =
preprocessFlamechart(timeline);\n\n  const laneToReactMeasureMap: Map<ReactLane, Array<ReactMeasure>> =
new Map();\n  for (let lane: ReactLane = 0; lane < REACT_TOTAL_NUM_LANES; lane++) {\n
laneToReactMeasureMap.set(lane, []);\n  }\n\n  const profilerData: TimelineData = {\n
batchUIDToMeasuresMap: new Map(),\n  componentMeasures: [],\n  duration: 0,\n  flamechart,\n
internalModuleSourceToRanges: new Map(),\n  laneToLabelMap: new Map(),\n  laneToReactMeasureMap,\n
nativeEvents: [],\n  networkMeasures: [],\n  otherUserTimingMarks: [],\n  reactVersion: null,\n
schedulingEvents: [],\n  snapshots: [],\n  snapshotHeight: 0,\n  startTime: 0,\n  suspenseEvents: [],\n
thrownErrors: [],\n  };\n\n  // Sort `timeline`. JSON Array Format trace events need not be ordered. See:\n  //
https://docs.google.com/document/d/1CvAClvFfyA5R-PhYUmn500QtYMH4h6I0nSsKchNAySU/preview#heading=h.f2f0yd51wi15\n  timeline =
timeline.filter(Boolean).sort((a, b) => (a.ts > b.ts ? 1 : -1));\n\n  // Events displayed in flamechart have timestamps
relative to the profile\n  // event's startTime. Source:\n  https://github.com/v8/v8/blob/44bd8fd7/src/inspector/js\_protocol.json#L1486\n  //\n  // We'll thus expect there to be
a 'Profile' event; if there is not one, we\n  // can deduce that there are no flame chart events. As we expect React\n  //
scheduling profiling user timing marks to be recorded together with browser\n  // flame chart events, we can further
deduce that the data is invalid and we\n  // don't bother finding React events.\n  const indexOfProfileEvent =
timeline.findIndex(\n  event => event.name === 'Profile',\n );\n  if (indexOfProfileEvent === -1) {\n  return
profilerData;\n  }\n\n  // Use Profile event's `startTime` as the start time to align with flame chart.\n  // TODO:
Remove assumption that there'll only be 1 'Profile' event. If this\n  // assumption does not hold, the chart may start at
the wrong time.\n  profilerData.startTime = timeline[indexOfProfileEvent].args.data.startTime;\n
profilerData.duration =\n  (timeline[timeline.length - 1].ts - profilerData.startTime) / 1000;\n\n  const state:
ProcessorState = {\n  asyncProcessingPromises: [],\n  batchUID: 0,\n  currentReactComponentMeasure: null,\n
internalModuleCurrentStackFrame: null,\n  internalModuleStackStringSet: new Set(),\n  measureStack: [],\n
nativeEventStack: [],\n  nextRenderShouldGenerateNewBatchID: true,\n  potentialLongEvents: [],\n
potentialLongNestedUpdate: null,\n  potentialLongNestedUpdates: [],\n
potentialSuspenseEventsOutsideOfTransition: [],\n  requestIdToNetworkMeasureMap: new Map(),\n  uidCounter:
0,\n  unresolvedSuspenseEvents: new Map(),\n  };\n\n  timeline.forEach(event => processTimelineEvent(event,
profilerData, state));\n\n  if (profilerVersion === null) {\n  if (\n  profilerData.schedulingEvents.length === 0
&&\n  profilerData.batchUIDToMeasuresMap.size === 0\n  ) {\n  // No profiler version could indicate data
was logged using an older build of React,\n  // before an explicitly profiler version was included in the logging
data.\n  // But it could also indicate that the website was either not using React, or using a production build.\n  //
The easiest way to check for this case is to see if the data contains any scheduled updates or render work.\n  throw
new InvalidProfileError(\n  'No React marks were found in the provided profile.' +\n  ' Please provide
profiling data from an React application running in development or profiling mode.',\n  );\n  }\n\n  throw new
InvalidProfileError(\n  `This version of profiling data is not supported by the current profiler.`,\n  );\n  }\n\n  //
Validate that all events and measures are complete\n  const {measureStack} = state;\n  if (measureStack.length > 0)
{\n  console.error('Incomplete events or measures', measureStack);\n  }\n\n  // Check for warnings.\n
state.potentialLongEvents.forEach(([nativeEvent, batchUID]) => {\n  // See how long the subsequent batch of
React work was.\n  // Ignore any work that was already started.\n  const [startTime, stopTime] =
getBatchRange(\n  batchUID,\n  profilerData,\n  nativeEvent.timestamp,\n  );\n  if (stopTime - startTime >
NATIVE_EVENT_DURATION_THRESHOLD) {\n  nativeEvent.warning =
WARNING_STRINGS.LONG_EVENT_HANDLER;\n  }\n  });\n
state.potentialLongNestedUpdates.forEach(([schedulingEvent, batchUID]) => {\n  // See how long the subsequent
batch of React work was.\n  const [startTime, stopTime] = getBatchRange(batchUID, profilerData);\n  if
(stopTime - startTime > NESTED_UPDATE_DURATION_THRESHOLD) {\n  // Don't warn about transition

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updates scheduled during the commit phase.\n    // e.g. useTransition, useDeferredValue\n    // These are allowed
to be long-running.\n    if (\n    !schedulingEvent.lanes.some(\n    lane =>
profilerData.laneToLabelMap.get(lane) === 'Transition',\n    )\n    ) {\n    // FIXME: This warning doesn't
account for \"nested updates\" that are\n    // spawned by useDeferredValue. Disabling temporarily until we
figure\n    // out the right way to handle this.\n    // schedulingEvent.warning =
WARNING_STRINGS.NESTED_UPDATE;\n    }\n    });\n
state.potentialSuspenseEventsOutsideOfTransition.forEach(\n    ([suspenseEvent, lanes]) => {\n    // HACK This is
a bit gross but the numeric lane value might change between render versions.\n    if (\n    !lanes.some(\n
lane => profilerData.laneToLabelMap.get(lane) === 'Transition',\n    )\n    ) {\n    suspenseEvent.warning =
WARNING_STRINGS.SUSPEND_DURING_UPDATE;\n    }\n    },\n    );\n\n // Wait for any async processing to
complete before returning.\n // Since processing is done in a worker, async work must complete before data is
serialized and returned.\n await Promise.all(state.asyncProcessingPromises);\n\n // Now that all images have been
loaded, let's figure out the display size we're going to use for our thumbnails:\n // both the ones rendered to the
canvas and the ones shown on hover.\n if (profilerData.snapshots.length > 0) {\n // NOTE We assume a static
window size here, which is not necessarily true but should be for most cases.\n // Regardless, Chrome also sets a
single size/ratio and stick with it- so we'll do the same.\n    const snapshot = profilerData.snapshots[0];\n\n
profilerData.snapshotHeight = Math.min(\n    snapshot.height,\n    SNAPSHOT_MAX_HEIGHT,\n    );\n    }\n\n
return profilerData;\n}\n\n", /*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n *
@flow\n */\n\nexport {\n    COMFORTABLE_LINE_HEIGHT,\n    COMPACT_LINE_HEIGHT,\n} from 'react-
devtools-shared/src/devtools/constants.js';\n\nexport const REACT_TOTAL_NUM_LANES = 31;\n\n// Increment
this number any time a backwards breaking change is made to the profiler metadata.\n\nexport const
SCHEDULING_PROFILER_VERSION = 1;\n\nexport const SNAPSHOT_MAX_HEIGHT = 60;\n\n", /*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport 'regenerator-
runtime/runtime';\n\nimport type {TimelineEvent} from '@elg/speedscope';\n\nimport type
{ImportWorkerOutputData} from './index';\n\nimport preprocessData from './preprocessData';\n\nimport
{readInputData} from './readInputData';\n\nimport InvalidProfileError from './InvalidProfileError';\n\nexport async
function importFile(file: File): Promise<ImportWorkerOutputData> {\n    try {\n    const readFile = await
readInputData(file);\n    const events: TimelineEvent[] = JSON.parse(readFile);\n    if (events.length === 0) {\n
throw new InvalidProfileError('No profiling data found in file.);\n    }\n\n    const processedData = await
preprocessData(events);\n\n    return {\n    status: 'SUCCESS',\n    processedData,\n    }; \n    } catch (error) {\n    if
(error instanceof InvalidProfileError) {\n    return {\n    status: 'INVALID_PROFILE_ERROR',\n    error,\n
}; \n    } else {\n    return {\n    status: 'UNEXPECTED_ERROR',\n    error,\n    }; \n    } \n    }\n\n", /*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport nullthrows from
'nullthrows';\n\nimport InvalidProfileError from './InvalidProfileError';\n\nexport const readInputData = (file: File):
Promise<string> => {\n    if (!file.name.endsWith('.json')) {\n    throw new InvalidProfileError(\n    'Invalid file
type. Only JSON performance profiles are supported',\n    );\n    }\n\n    const fileReader = new FileReader();\n\n
return new Promise((resolve, reject) => {\n    fileReader.onload = () => {\n    const result =
nullthrows(fileReader.result);\n    if (typeof result === 'string') {\n    resolve(result);\n    }\n    reject(new
InvalidProfileError('Input file was not read as a string'));\n    }; \n\n    fileReader.onerror = () =>
reject(fileReader.error);\n\n    fileReader.readAsText(file);\n    });\n\n", /*\n * Copyright (c) Meta Platforms, Inc.
and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n *\n * @flow\n */\n\n// This file uses workerize to load ./importFile.worker as a
webworker and instantiates it,\n// exposing flow typed functions that can be used on other files.\n\nimport * as
importFileModule from './importFile';\n\nimport WorkerizedImportFile from './importFile.worker';\n\nimport type
{TimelineData} from './types';\n\nexport type ImportFileModule = typeof importFileModule;\n\nconst

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workerizedImportFile: ImportFileModule = window.Worker\n ? WorkerizedImportFile()\n :
importFileModule;\n\nexport type ImportWorkerOutputData =\n | {status: 'SUCCESS', processedData:
TimelineData}\n | {status: 'INVALID_PROFILE_ERROR', error: Error}\n | {status: 'UNEXPECTED_ERROR',
error: Error};\n\nexport type importFileFunction = (file: File) => ImportWorkerOutputData;\n\nexport const
importFile = (file: File): Promise<ImportWorkerOutputData> =>\n
workerizedImportFile.importFile(file);\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This
source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\nimport type {Wakeable} from 'shared/ReactTypes';\nimport type {TimelineData} from
'./types';\n\nimport {importFile as importFileWorker} from './import-worker';\n\nconst Pending = 0;\nconst
Resolved = 1;\nconst Rejected = 2;\n\ntype PendingRecord = {\n status: 0,\n value: Wakeable,\n};\n\ntype
ResolvedRecord<T> = {\n status: 1,\n value: T,\n};\n\ntype RejectedRecord = {\n status: 2,\n value:
Error,\n};\n\ntype Record<T> = PendingRecord | ResolvedRecord<T> | RejectedRecord;\n\n// This is intentionally a
module-level Map, rather than a React-managed one.\n// Otherwise, refreshing the inspected element cache would
also clear this cache.\n// Profiler file contents are static anyway.\nconst fileNameToProfilerDataMap: Map<string,
Record<TimelineData>> = new Map();\n\nfunction readRecord<T>(record: Record<T>): ResolvedRecord<T> |
RejectedRecord {\n if (record.status === Resolved) {\n // This is just a type refinement.\n return record;\n }
else if (record.status === Rejected) {\n // This is just a type refinement.\n return record;\n } else {\n throw
record.value;\n }}\n\nexport function importFile(file: File): TimelineData | Error {\n const fileName =
file.name;\n let record = fileNameToProfilerDataMap.get(fileName);\n\n if (!record) {\n const callbacks = new
Set<> => mixed<>;\n const wakeable: Wakeable = {\n then(callback: () => mixed) {\n
callbacks.add(callback);\n },\n\n // Optional property used by Timeline:\n displayName: `Importing file
\`${file.name}\`,\n };;\n\n const wake = () => {\n // This assumes they won't throw.\n
callbacks.forEach(callback => callback());\n callbacks.clear();\n };;\n\n const newRecord:
Record<TimelineData> = (record = {\n status: Pending,\n value: wakeable,\n });;\n\n
importFileWorker(file).then(data => {\n switch (data.status) {\n case 'SUCCESS':\n const
resolvedRecord =\n ((newRecord: any): ResolvedRecord<TimelineData>);\n resolvedRecord.status =
Resolved;\n resolvedRecord.value = data.processedData;\n break;\n case
'INVALID_PROFILE_ERROR':\n case 'UNEXPECTED_ERROR':\n const thrownRecord =
((newRecord: any): RejectedRecord);\n thrownRecord.status = Rejected;\n thrownRecord.value =
data.error;\n break;\n });;\n\n wake();\n });;\n\n fileNameToProfilerDataMap.set(fileName, record);\n
}}\n\n const response = readRecord(record).value;\n return response;\n});\n", "/*\n * Copyright (c) Meta Platforms,
Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the
root directory of this source tree.\n *\n * @flow\n */\n\nimport * as React from 'react';\nimport {useContext} from
'react';\nimport {createPortal} from 'react-dom';\nimport SearchInput from 'react-devtools-
shared/src/devtools/views/SearchInput';\nimport {TimelineContext} from './TimelineContext';\nimport
{TimelineSearchContext} from './TimelineSearchContext';\n\ntype Props = {};\n\nexport default function
TimelineSearchInput(props: Props): React.Node {\n const {searchInputContainerRef} =
useContext(TimelineContext);\n const {dispatch, searchIndex, searchResults, searchText} = useContext(\n
TimelineSearchContext,\n );;\n\n if (searchInputContainerRef.current === null) {\n return null;\n }}\n\n const
search = (text: string) =>\n dispatch({type: 'SET_SEARCH_TEXT', payload: text});\n const goToNextResult = ()
=> dispatch({type: 'GO_TO_NEXT_SEARCH_RESULT'});\n const goToPreviousResult = () =>\n
dispatch({type: 'GO_TO_PREVIOUS_SEARCH_RESULT'});\n\n return createPortal(\n <SearchInput\n
goToNextResult={goToNextResult}\n goToPreviousResult={goToPreviousResult}\n placeholder="Search
components by name"\n search={search}\n searchIndex={searchIndex}\n
searchResultsCount={searchResults.length}\n searchText={searchText}\n />,\n
searchInputContainerRef.current,\n );;\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This
source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\nimport * as React from 'react';\nimport {isInternalFacebookBuild} from 'react-devtools-

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feature-flags';\n\nimport styles from './TimelineNotSupported.css';\n\nexport default function
TimelineNotSupported(): React.Node {\n  return (\n    <div className={styles.Column}>\n      <div
className={styles.Header}>Timeline profiling not supported.</div>\n      <p className={styles.Paragraph}>\n        <span>\n          Timeline profiler requires a development or profiling build of{' '}
<code
className={styles.Code}>react-dom@^18</code>.\n        </span>\n      </p>\n      <div
className={styles.LearnMoreRow}>\n        Click{' '}\n        <a\n          className={styles.Link}\n
href=\"https://fb.me/react-devtools-profiling\"\n          rel=\"noopener noreferrer\"\n          target=\"_blank\"\n        >\n
here\n        </a>{' '}\n        to learn more about profiling.\n      </div>\n      {isInternalFacebookBuild && (\n
<div className={styles.MetaGKRow}>\n        <strong>Meta only</strong>: Enable the{' '}\n        <a\n
className={styles.Link}\n          href=\"https://fburl.com/react-devtools-scheduling-profiler-gk\"\n
rel=\"noopener noreferrer\"\n          target=\"_blank\"\n        >\n          react_enable_scheduling_profiler GK\n
</a>\n        .\n      </div>\n    )}\n  </div>\n);\n\n\"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n
*\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this
source tree.\n * @flow\n */\n\nimport type {ViewState} from './types';\n\nimport * as React from
'react';\nimport {\n  Suspense,\n  useContext,\n  useDeferredValue,\n  useLayoutEffect,\n  useRef,\n  useState,\n}
from 'react';\nimport {SettingsContext} from 'react-devtools-
shared/src/devtools/views/Settings/SettingsContext';\nimport {ProfilerContext} from 'react-devtools-
shared/src/devtools/views/Profiler/ProfilerContext';\nimport NoProfilingData from 'react-devtools-
shared/src/devtools/views/Profiler/NoProfilingData';\nimport RecordingInProgress from 'react-devtools-
shared/src/devtools/views/Profiler/RecordingInProgress';\nimport {updateColorsToMatchTheme} from './content-
views/constants';\nimport {TimelineContext} from './TimelineContext';\nimport CanvasPage from
'./CanvasPage';\nimport {importFile} from './timelineCache';\nimport TimelineSearchInput from
'./TimelineSearchInput';\nimport TimelineNotSupported from './TimelineNotSupported';\nimport
{TimelineSearchContextController} from './TimelineSearchContext';\n\nimport styles from
'./Timeline.css';\n\nexport function Timeline(_: {}): React.Node {\n  const {file, inMemoryTimelineData,
isTimelineSupported, setFile, viewState} =\n    useContext(TimelineContext);\n  const {didRecordCommits,
isProfiling} = useContext(ProfilerContext);\n\n  const ref = useRef(null);\n\n  // HACK: Canvas rendering uses an
imperative API,\n  // but DevTools colors are stored in CSS variables (see root.css and SettingsContext).\n  // When
the theme changes, we need to trigger update the imperative colors and re-draw the Canvas.\n  const {theme} =
useContext(SettingsContext);\n  // HACK: SettingsContext also uses a useLayoutEffect to update styles;\n  // make
sure the theme context in SettingsContext updates before this code.\n  const deferredTheme =
useDeferredValue(theme);\n  // HACK: Schedule a re-render of the Canvas once colors have been updated.\n  // The
easiest way to guarantee this happens is to recreate the inner Canvas component.\n  const [key, setKey] =
useState<string>(theme);\n  useLayoutEffect(() => {\n    const pollForTheme = () => {\n      if
(updateColorsToMatchTheme(((ref.current: any): HTMLDivElement))) {\n        clearInterval(intervalID);\n
setKey(deferredTheme);\n      }\n    }; \n    const intervalID = setInterval(pollForTheme, 50);\n\n    return () => {\n
clearInterval(intervalID);\n    }; \n  }, [deferredTheme]);\n  let content = null;\n  if (isProfiling) {\n    content =
<RecordingInProgress />\n  } else if (inMemoryTimelineData && inMemoryTimelineData.length > 0) {\n    //
TODO (timeline) Support multiple renderers.\n    const timelineData = inMemoryTimelineData[0];\n\n    content =
(\n      <TimelineSearchContextController\n        profilerData={timelineData}\n        viewState={viewState}>\n
<TimelineSearchInput />\n      <CanvasPage profilerData={timelineData} viewState={viewState} />\n
</TimelineSearchContextController>\n    );\n  } else if (file) {\n    content = (\n      <Suspense
fallback=<ProcessingData />>\n      <FileLoader\n        file={file}\n        key={key}\n
onFileSelect={setFile}\n        viewState={viewState}\n      />\n    </Suspense>\n    );\n  } else if
(didRecordCommits) {\n    content = <NoTimelineData />\n  } else if (isTimelineSupported) {\n    content =
<NoProfilingData />\n  } else {\n    content = <TimelineNotSupported />\n  }\n\n  return (\n    <div
className={styles.Content} ref={ref}>\n      {content}\n    </div>\n  );\n\n  const ProcessingData = () => (\n
<div className={styles.EmptyStateContainer}>\n    <div className={styles.Header}>Processing data...</div>\n

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<div className={styles.Row}>This should only take a minute.</div>\n </div>\n);\n\n// $FlowFixMe[missing-
local-annot]\nconst CouldNotLoadProfile = ({ error, onFileSelect }) => (\n <div
className={styles.EmptyStateContainer}>\n <div className={styles.Header}>Could not load profile</div>\n
{error.message && (\n <div className={styles.Row}>\n <div
className={styles.ErrorMessage}>{error.message}</div>\n </div>\n )}\n <div
className={styles.Row}>\n Try importing another Chrome performance profile.\n </div>\n
</div>\n);\n\nconst NoTimelineData = () => (\n <div className={styles.EmptyStateContainer}>\n <div
className={styles.Row}>\n This current profile does not contain timeline data.\n </div>\n
</div>\n);\n\nconst FileLoader = ({\n file,\n onFileSelect,\n viewState,\n}: {\n file: File | null,\n onFileSelect:
(file: File) => void,\n viewState: ViewState,\n}) => {\n if (file === null) {\n return null;\n }}\n\n const
dataOrError = importFile(file);\n if (dataOrError instanceof Error) {\n return (\n <CouldNotLoadProfile
error={dataOrError} onFileSelect={onFileSelect} />\n );\n }\n\n return (\n
<TimelineSearchContextController\n profilerData={dataOrError}\n viewState={viewState}>\n
<TimelineSearchInput />\n <CanvasPage profilerData={dataOrError} viewState={viewState} />\n
</TimelineSearchContextController>\n );\n};\n";\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * \n *
This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n * \n * @flow\n * \n\nimport type {ReactContext} from 'shared/ReactTypes';\n\nimport {createContext} from
'react';\n\nimport type {ViewUrlSource} from 'react-devtools-shared/src/devtools/views/DevTools';\n\nexport type
Context = {\n viewUrlSourceFunction: ViewUrlSource | null,\n};\n\nconst ViewSourceContext:
ReactContext<Context> = createContext<Context>(\n ((null: any):
Context),\n);\n\nViewSourceContext.displayName = 'ViewSourceContext';\n\nexport default
ViewSourceContext;\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * \n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * \n *
@flow\n * \n\nimport type {Stack} from '../utils';\n\nimport type {SchedulingEvent} from 'react-devtools-
timeline/src/types';\n\nimport * as React from 'react';\n\nimport Button from '../Button';\n\nimport ButtonIcon from
'../ButtonIcon';\n\nimport ViewSourceContext from '../Components/ViewSourceContext';\n\nimport {useContext} from
'react';\n\nimport {TimelineContext} from 'react-devtools-timeline/src/TimelineContext';\n\nimport {\n
formatTimestamp,\n getSchedulingEventLabel,\n} from 'react-devtools-timeline/src/utils/formatting';\n\nimport
{\n stackToComponentSources\n} from 'react-devtools-shared/src/devtools/utils';\n\nimport {copy} from 'clipboard-
js';\n\nimport styles from './SidebarEventInfo.css';\n\nexport type Props = {\n};\n\ntype SchedulingEventProps = {\n
eventInfo: SchedulingEvent,\n};\n\nfunction SchedulingEventInfo({eventInfo}: SchedulingEventProps) {\n const
{viewUrlSourceFunction} = useContext(ViewSourceContext);\n const {componentName, timestamp} =
eventInfo;\n const componentStack = eventInfo.componentStack || null;\n\n const viewSource = (source: ?Stack)
=> {\n if (viewUrlSourceFunction != null && source != null) {\n viewUrlSourceFunction(...source);\n }}\n
};\n\n return (\n <>\n <div className={styles.Toolbar}>\n {componentName}\n
{getSchedulingEventLabel(eventInfo)}\n </div>\n <div className={styles.Content} tabIndex={0}>\n
<ul className={styles.List}>\n <li className={styles.ListItem}>\n <label
className={styles.Label}>Timestamp</label>: { ' ' }\n <span
className={styles.Value}>{formatTimestamp(timestamp)}</span>\n </li>\n {componentStack && (\n
<li className={styles.ListItem}>\n <div className={styles.Row}>\n <label
className={styles.Label}>Rendered by</label>\n <Button\n onClick={() =>
copy(componentStack)}\n title="Copy component stack to clipboard">\n <ButtonIcon
type="copy" />\n </Button>\n </div>\n <ul className={styles.List}>\n
{stackToComponentSources(componentStack).map(\n ([displayName, source], index) => {\n
return (\n <li key={index}>\n <Button\n className={\n
source\n ? styles.ClickableSource\n : styles.UnclickableSource\n
}\n disabled={!source}\n onClick={() => viewSource(source)}>\n
{displayName}\n </Button>\n </li>\n );\n },\n )}\n

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</ul>\n      </li>\n    )}\n  </ul>\n </div>\n </>\n );\n\nexport default function
SidebarEventInfo(_: Props): React.Node {\n  const {selectedEvent} = useContext(TimelineContext);\n  // (TODO)
Refactor in next PR so this supports multiple types of events\n  if (selectedEvent &&
selectedEvent.schedulingEvent) {\n    return <SchedulingEventInfo eventInfo={selectedEvent.schedulingEvent}
/>\n  }\n  return null;\n}\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n *
@flow\n */\n\nimport * as React from 'react';\nimport {useCallback, useContext, useMemo} from 'react';\nimport
Button from '../Button';\nimport ButtonIcon from '../ButtonIcon';\nimport {BridgeContext, StoreContext} from
'../context';\nimport {useSubscription} from '../hooks';\n\ntype SubscriptionData = {\n  recordChangeDescriptions:
boolean,\n  supportsReloadAndProfile: boolean,\n};\n\nexport default function ReloadAndProfileButton({\n  disabled,\n}:
{\n  disabled: boolean,\n}): React.Node {\n  const bridge = useContext(BridgeContext);\n  const store =
useContext(StoreContext);\n\n  const subscription = useMemo(\n    () => ({\n      getCurrentValue: () => ({\n
recordChangeDescriptions: store.recordChangeDescriptions,\n      supportsReloadAndProfile:
store.supportsReloadAndProfile,\n    })),\n    [store],\n  );\n  const subscribe = (callback: Function) => {\n
store.addListener('recordChangeDescriptions', callback);\n    store.addListener('supportsReloadAndProfile',
callback);\n    return () => {\n      store.removeListener('recordChangeDescriptions', callback);\n      store.removeListener('supportsReloadAndProfile', callback);\n    };\n  },\n  [store],\n);\n  const
{recordChangeDescriptions, supportsReloadAndProfile} =\n  useSubscription<SubscriptionData>(subscription);\n\n  const reloadAndProfile = useCallback(() => {\n    // TODO
If we want to support reload-and-profile for e.g. React Native,\n    // we might need to also start profiling here before
reloading the app (since DevTools itself isn't reloaded).\n    // We'd probably want to do this before reloading
though, to avoid sending a message on a disconnected port in the browser.\n    // For now, let's just skip doing it
entirely to avoid paying snapshot costs for data we don't need.\n    // startProfiling();\n\n    bridge.send('reloadAndProfile', recordChangeDescriptions);\n  }, [bridge, recordChangeDescriptions]);\n\n  if
(!supportsReloadAndProfile) {\n    return null;\n  }\n\n  return (\n    <Button\n      disabled={disabled}\n
onClick={reloadAndProfile}\n      title="Reload and start profiling"\n    >\n      <ButtonIcon type="reload" />\n
</Button>\n  );\n}\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\n
declare function isArray(a: mixed): boolean %checks(Array.isArray(a));\n\nconst isArrayImpl =
Array.isArray;\n\n// eslint-disable-next-line no-redeclare\nfunction isArray(a: mixed): boolean {\n  return
isArrayImpl(a);\n}\n\nexport default isArray;\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This
source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\n// $FlowFixMe[method-unbinding]\nconst hasOwnProperty =
Object.prototype.hasOwnProperty;\n\nexport default hasOwnProperty;\n", "/*\n * Copyright (c) Meta Platforms,
Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the
root directory of this source tree.\n *\n * @flow\n */\n\nimport * as React from 'react';\nimport {Fragment,
useContext, useCallback, useRef} from 'react';\nimport {ProfilerContext} from './ProfilerContext';\nimport
{ModalDialogContext} from '../ModalDialog';\nimport Button from '../Button';\nimport ButtonIcon from
'../ButtonIcon';\nimport {StoreContext} from '../context';\nimport {\n  prepareProfilingDataExport,\n  prepareProfilingDataFrontendFromExport,\n} from './utils';\nimport {downloadFile} from './utils';\nimport
{TimelineContext} from 'react-devtools-timeline/src/TimelineContext';\nimport isArray from
'shared/isArray';\nimport hasOwnProperty from 'shared/hasOwnProperty';\nimport styles from
'./ProfilingImportExportButtons.css';\nimport type {ProfilingDataExport} from './types';\n\nexport default function
ProfilingImportExportButtons(): React.Node {\n  const {isProfiling, profilingData, rootID} =
useContext(ProfilerContext);\n  const {setFile} = useContext(TimelineContext);\n  const store =
useContext(StoreContext);\n  const {profilerStore} = store;\n\n  const inputRef = useRef<HTMLInputElement |
null>(null);\n  const downloadRef = useRef<HTMLAnchorElement | null>(null);\n\n  const {dispatch:
modalDialogDispatch} = useContext(ModalDialogContext);\n\n  const doesHaveInMemoryData =

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profilerStore.didRecordCommits;\n\n const downloadData = useCallback(() => {\n  if (rootID === null) {\n    return;\n  }\n\n  const anchorElement = downloadRef.current;\n\n  if (profilingData !== null && anchorElement\n    !== null) {\n    const profilingDataExport = prepareProfilingDataExport(profilingData);\n    const date = new\n    Date();\n    const dateString = date\n      .toLocaleDateString(undefined, {\n        year: 'numeric',\n        month:\n        '2-digit',\n        day: '2-digit',\n      })\n      .replace(/\\/g, '-');\n    const timeString = date\n      .toLocaleTimeString(undefined, {\n        hour12: false,\n      })\n      .replace(/:/g, '-');\n    downloadFile(\n      anchorElement,\n      `profiling-data.${dateString}.${timeString}.json`,\n      JSON.stringify(profilingDataExport,\n        null, 2),\n      );\n  }\n  }, [rootID, profilingData]);\n\n  const clickInputElement = useCallback(() => {\n    if\n    (inputRef.current !== null) {\n      inputRef.current.click();\n    }\n  }, []);\n\n  // TODO (profiling) We should\n  probably use a transition for this and suspend while loading the file.\n  // Local files load so fast it's probably not\n  very noticeable though.\n  const handleChange = () => {\n    const input = inputRef.current;\n    if (input !== null\n      && input.files.length > 0) {\n      const file = input.files[0];\n\n      // TODO (profiling) Handle FileReader errors.\n      const fileReader = new FileReader();\n      fileReader.addEventListener('load', () => {\n        const raw =\n        ((fileReader.result: any): string);\n        const json = JSON.parse(raw);\n        if (!isArray(json) &&\n          hasOwnProperty.call(json, 'version')) {\n          // This looks like React profiling data.\n          // But first, clear any\n          User Timing marks; we should only have one type open at a time.\n          setFile(null);\n\n          try {\n            const\n            profilingDataExport = ((json: any): ProfilingDataExport);\n            profilerStore.profilingData =\n            prepareProfilingDataFrontendFromExport(profilingDataExport);\n          } catch (error) {\n            modalDialogDispatch({\n              id: 'ProfilingImportExportButtons',\n              type: 'SHOW',\n              title:\n              'Import failed',\n              content: (\n                <Fragment>\n                  <div>The profiling data you selected cannot\n                  be imported.</div>\n                  {error !== null && (\n                    <div\n                      className={styles.ErrorMessage}>{error.message}</div>\n                    )}\n                </Fragment>\n              ),\n            );\n          }\n        } else {\n          // Otherwise let's assume this is Trace Event data and pass it to the Timeline\n          preprocessor.\n          // But first, clear React profiling data; we should only have one type open at a time.\n          profilerStore.clear();\n\n          // TODO (timeline) We shouldn't need to re-open the File but we'll need to refactor to\n          avoid this.\n          setFile(file);\n        }\n      });\n      fileReader.readAsText(file);\n    }\n  }; return (\n    <Fragment>\n      <div className={styles.VRule} />\n      <input\n        ref={inputRef}\n        className={styles.Input}\n        type="file"\n        accept=".json"\n        onChange={handleChange}\n        tabIndex=-1\n      />\n      <a ref={downloadRef} className={styles.Input} />\n      <Button\n        disabled={isProfiling}\n        onClick={clickInputElement}\n        title="Load profile...">\n        <ButtonIcon\n          type="import" />\n        </Button>\n        <Button\n          disabled={isProfiling || !doesHaveInMemoryData}\n          onClick={downloadData}\n          title="Save profile...">\n          <ButtonIcon type="export" />\n        </Button>\n      </Fragment>\n    );\n  }\n  }, /**\n  * Copyright (c) Meta Platforms, Inc. and affiliates.\n  * This source code is\n  licensed under the MIT license found in the\n  * LICENSE file in the root directory of this source tree.\n  * @flow\n  */\n  import * as React from 'react';\n  import {memo} from 'react';\n  import {areEqual} from 'react-\n  window';\n  import {getGradientColor} from './utils';\n\n  import styles from\n  './SnapshotCommitListItem.css';\n\n  import type {ItemData} from './SnapshotCommitList';\n\n  type Props = {\n    data:\n    ItemData,\n    index: number,\n    style: Object,\n    ...;\n  };\n\n  function SnapshotCommitListItem({data: itemData, index,\n    style}: Props) {\n    const {\n      filteredCommitIndices,\n      maxDuration,\n      selectedCommitIndex,\n      selectCommitIndex,\n      setHoveredCommitIndex,\n      startCommitDrag,\n      totalDurations,\n    } = itemData;\n\n    index = filteredCommitIndices[index];\n    const totalDuration = totalDurations[index];\n\n    // Use natural cbtr for\n    bar height.\n    // This prevents one (or a few) outliers from squishing the majority of other commits.\n    // So rather\n    than e.g. __ we get something more like e.g. _\n    const heightScale =\n    Math.min(1, Math.max(0,\n    Math.cbrt(totalDuration) / Math.cbrt(maxDuration)),\n    ) || 0;\n\n    // Use a linear scale for color.\n    // This gives\n    some visual contrast between cheaper and more expensive commits\n    // and somewhat compensates for the cbtr\n    scale height.\n    const colorScale = Math.min(1, Math.max(0, totalDuration / maxDuration)) || 0;\n\n    const isSelected\n    = selectedCommitIndex === index;\n\n    // Leave a 1px gap between snapshots\n    const width =\n    parseFloat(style.width) - 1;\n\n    const handleMouseDown = ({buttons, target}: any) => {\n      if (buttons === 1) {\n

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    selectCommitIndex(index);\n    startCommitDrag({\n      commitIndex: index,\n      left:\n      target.getBoundingClientRect().left,\n      sizeIncrement: parseFloat(style.width),\n    });\n  });\n  let\n  backgroundColor;\n  if (isSelected && totalDuration > 0) {\n    backgroundColor =\n    getGradientColor(colorScale);\n  }\n  return (\n    <div\n      className={styles.Outer}\n      onMouseDown={handleMouseDown}\n      onMouseEnter={() => setHoveredCommitIndex(index)}\n      style={{\n        ...style,\n        width,\n        borderBottom: isSelected\n          ? '3px solid var(--color-tab-selected-border)'\n          : undefined,\n      }}>\n      <div\n        className={isSelected ? styles.InnerSelected :\n        styles.Inner}\n        style={{\n          height: `${Math.round(heightScale * 100)}%`,\n          backgroundColor,\n        }}\n      />\n    </div>\n  );\n}\n\nexport default (memo(\n  SnapshotCommitListItem,\n  areEqual,\n)\n  React.ComponentType<Props>);\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source\n * code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport type {CommitDataFrontend} from './types';\n\nimport * as React from 'react';\nimport\n  {useEffect, useMemo, useRef, useState} from 'react';\nimport AutoSizer from 'react-virtualized-auto-sizer';\nimport\n  {FixedSizeList} from 'react-window';\nimport SnapshotCommitListItem from './SnapshotCommitListItem';\nimport\n  {minBarWidth} from './constants';\nimport {formatDuration, formatTime} from './utils';\nimport Tooltip from\n  './Tooltip';\nimport styles from './SnapshotCommitList.css';\n\nexport type ItemData = {\n  commitTimes:\n  Array<number>,\n  filteredCommitIndices: Array<number>,\n  maxDuration: number,\n  selectedCommitIndex:\n  number | null,\n  selectedFilteredCommitIndex: number | null,\n  selectCommitIndex: (index: number) => void,\n  setHoveredCommitIndex: (index: number) => void,\n  startCommitDrag: (newDragState: DragState) => void,\n  totalDurations: Array<number>,\n};\n\ntype Props = {\n  commitData: CommitDataFrontend,\n  commitTimes:\n  Array<number>,\n  filteredCommitIndices: Array<number>,\n  selectedCommitIndex: number | null,\n  selectedFilteredCommitIndex: number | null,\n  selectCommitIndex: (index: number) => void,\n  totalDurations:\n  Array<number>,\n};\n\nexport default function SnapshotCommitList({\n  commitData,\n  commitTimes,\n  filteredCommitIndices,\n  selectedCommitIndex,\n  selectedFilteredCommitIndex,\n  selectCommitIndex,\n  totalDurations,\n}: Props): React.Node {\n  return (\n    <AutoSizer\n      ({height, width}) => (\n        <List\n          commitData={commitData}\n          commitTimes={commitTimes}\n          height={height}\n          filteredCommitIndices={filteredCommitIndices}\n          selectedCommitIndex={selectedCommitIndex}\n          selectedFilteredCommitIndex={selectedFilteredCommitIndex}\n          selectCommitIndex={selectCommitIndex}\n          totalDurations={totalDurations}\n          width={width}\n        />\n      )\n    </AutoSizer>\n  );\n}\n\ntype\n  ListProps = {\n  commitData: CommitDataFrontend,\n  commitTimes: Array<number>,\n  height: number,\n  filteredCommitIndices: Array<number>,\n  selectedCommitIndex: number | null,\n  selectedFilteredCommitIndex:\n  number | null,\n  selectCommitIndex: (index: number) => void,\n  totalDurations: Array<number>,\n  width:\n  number,\n};\n\ntype DragState = {\n  commitIndex: number,\n  left: number,\n  sizeIncrement:\n  number,\n};\n\nfunction List({\n  commitData,\n  selectedCommitIndex,\n  commitTimes,\n  height,\n  filteredCommitIndices,\n  selectedFilteredCommitIndex,\n  selectCommitIndex,\n  totalDurations,\n  width,\n}: ListProps) {\n  // $FlowFixMe[compatible-use]\n  const listRef = useRef<FixedSizeList<ItemData> | null>(null);\n  const divRef = useRef<HTMLDivElement | null>(null);\n  const prevCommitIndexRef =\n  useRef<number | null>(null);\n\n  // Make sure a newly selected snapshot is fully visible within the list.\n  useEffect(() => {\n    if (selectedFilteredCommitIndex !== prevCommitIndexRef.current) {\n      prevCommitIndexRef.current = selectedFilteredCommitIndex;\n      if (selectedFilteredCommitIndex !== null &&\n        listRef.current !== null) {\n        listRef.current.scrollToItem(selectedFilteredCommitIndex);\n      }\n    }\n  },\n  [listRef, selectedFilteredCommitIndex]);\n\n  const itemSize = useMemo(() => Math.max(minBarWidth, width\n  / filteredCommitIndices.length),\n  [filteredCommitIndices, width]);\n  const maxDuration = useMemo(()\n  => totalDurations.reduce((max, duration) => Math.max(max, duration), 0),\n  [totalDurations]);\n\n  const\n  maxCommitIndex = filteredCommitIndices.length - 1;\n\n  const [dragState, setDragState] =\n  useState<DragState | null>(null);\n\n  const handleDragCommit = ({buttons, pageX}: any) => {\n    if (buttons === 0) {\n      setDragState(null);\n      return;\n    }\n\n    if (dragState !== null) {\n      const {commitIndex, left, sizeIncrement} =\n      dragState;\n\n      let newCommitIndex = commitIndex;\n      let newCommitLeft = left;\n\n      if (pageX <

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newCommitLeft) {\n    while (pageX < newCommitLeft) {\n        newCommitLeft -= sizeIncrement;\n    }\n    newCommitIndex -= 1;\n  }\n  } else {\n    let newCommitRectRight = newCommitLeft + sizeIncrement;\n    while (pageX > newCommitRectRight) {\n      newCommitRectRight += sizeIncrement;\n    }\n    newCommitIndex += 1;\n  }\n  }\n  if (newCommitIndex < 0) {\n    newCommitIndex = 0;\n  } else\n  if (newCommitIndex > maxCommitIndex) {\n    newCommitIndex = maxCommitIndex;\n  }\n  selectCommitIndex(newCommitIndex);\n  }\n  useEffect(() => {\n    if (dragState === null) {\n      return;\n    }\n    const element = divRef.current;\n    if (element !== null) {\n      const ownerDocument =\n        element.ownerDocument;\n      ownerDocument.addEventListener('mousemove', handleDragCommit);\n      return ()\n      => {\n        ownerDocument.removeEventListener('mousemove', handleDragCommit);\n      }\n    },\n    [dragState]);\n    const [hoveredCommitIndex, setHoveredCommitIndex] = useState<number | null>(\n      null,\n    );\n    // Pass required contextual data down to the ListItem renderer.\n    const itemData = useMemo<ItemData>(\n      () => ({\n        commitTimes,\n        filteredCommitIndices,\n        maxDuration,\n        selectedCommitIndex,\n        selectedFilteredCommitIndex,\n        selectCommitIndex,\n        setHoveredCommitIndex,\n        startCommitDrag:\n        setDragState,\n        totalDurations,\n      }),\n      [\n        commitTimes,\n        filteredCommitIndices,\n        maxDuration,\n        selectedCommitIndex,\n        selectedFilteredCommitIndex,\n        selectCommitIndex,\n        setHoveredCommitIndex,\n        totalDurations,\n      ],\n    );\n    let tooltipLabel = null;\n    if (hoveredCommitIndex\n    !== null) {\n      const {\n        duration,\n        effectDuration,\n        passiveEffectDuration,\n        priorityLevel,\n        timestamp,\n      } = commitData[hoveredCommitIndex];\n      // Only some React versions include commit\n      durations.\n      // Show a richer tooltip only for builds that have that info.\n      if (\n        effectDuration !== null ||\n        passiveEffectDuration !== null ||\n        priorityLevel !== null\n      ) {\n        tooltipLabel = (\n          <ul\n            className={styles.TooltipList}>\n              {priorityLevel !== null && (\n                <li\n                  className={styles.TooltipListItem}>\n                    <label className={styles.TooltipLabel}>Priority</label>\n                    <span className={styles.TooltipValue}>{priorityLevel}</span>\n                    </li>\n                )}\n              <li\n                className={styles.TooltipListItem}>\n                  <label className={styles.TooltipLabel}>Committed at</label>\n                  <span className={styles.TooltipValue}>\n                    {formatTime(timestamp)}s\n                  </span>\n                  </li>\n                <li\n                  className={styles.TooltipListItem}>\n                  <div className={styles.DurationsWrapper}>\n                    <label className={styles.TooltipLabel}>Durations</label>\n                    <ul className={styles.DurationsList}>\n                      <li\n                        className={styles.DurationsListItem}>\n                          <label\n                            className={styles.DurationsLabel}>Render</label>\n                          <span\n                            className={styles.DurationsValue}>\n                            {formatDuration(duration)}ms\n                          </span>\n                          </li>\n                          && (\n                            <li\n                              className={styles.DurationsListItem}>\n                                <label\n                                  className={styles.DurationsLabel}>\n                                  Layout effects\n                                </label>\n                                <span\n                                  className={styles.DurationsValue}>\n                                  {formatDuration(effectDuration)}ms\n                                </span>\n                                </li>\n                              )\n                          && (\n                            <li\n                              className={styles.DurationsListItem}>\n                                <label\n                                  className={styles.DurationsLabel}>\n                                  Passive effects\n                                </label>\n                                <span\n                                  className={styles.DurationsValue}>\n                                  {formatDuration(passiveEffectDuration)}ms\n                                </span>\n                                </li>\n                              )\n                        </ul>\n                      </div>\n                    </li>\n                  </ul>\n                );\n      } else {\n        tooltipLabel =\n        `${formatDuration(duration)}ms at ${formatTime(\n          timestamp,\n        )}s`;\n      }\n    }\n    return (\n      <Tooltip\n        className={styles.Tooltip} label={tooltipLabel}>\n        <div\n          ref={divRef}\n          style={{height, width}}\n          onMouseLeave={() => setHoveredCommitIndex(null)}>\n          <FixedSizeList\n            className={styles.List}\n            layout=\"horizontal\"\n            height={height}\n            itemCount={filteredCommitIndices.length}\n            itemData={itemData}\n            itemSize={itemSize}\n            ref={(listRef: any) /* Flow bug? */}\n            width={width}>\n            {SnapshotCommitListItem}\n          </FixedSizeList>\n        </div>\n      </Tooltip>\n    );\n  },\n  [\"\", \"**\"]\n  * Copyright (c) Meta Platforms, Inc. and affiliates.\n  * This source code is licensed under the\n  MIT license found in the\n  * LICENSE file in the root directory of this source tree.\n  * @flow\n  * @nimport\n  as React from 'react';\n  import {Fragment, useContext, useMemo} from 'react';\n  import Button from\n  './Button';\n  import ButtonIcon from './ButtonIcon';\n  import {ProfilerContext} from './ProfilerContext';\n  import

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SnapshotCommitList from './SnapshotCommitList';\nimport {maxBarWidth} from './constants';\nimport
{StoreContext} from '../context';\n\nimport styles from './SnapshotSelector.css';\n\nexport type Props =
{};\n\nexport default function SnapshotSelector(_: Props): React.Node {\n  const {\n    isCommitFilterEnabled,\n    minCommitDuration,\n    rootID,\n    selectedCommitIndex,\n    selectCommitIndex,\n  } =
useContext(ProfilerContext);\n  const {profilerStore} = useContext(StoreContext);\n  const {commitData} =
profilerStore.getDataForRoot(((rootID: any): number));\n  const totalDurations: Array<number> = [];\n  const
commitTimes: Array<number> = [];\n  commitData.forEach(commitDatum => {\n    totalDurations.push(\n
commitDatum.duration +\n      (commitDatum.effectDuration || 0) +\n      (commitDatum.passiveEffectDuration ||
0),\n    );\n    commitTimes.push(commitDatum.timestamp);\n  });\n  const filteredCommitIndices = useMemo(\n
() =>\n    commitData.reduce((reduced: $FlowFixMe, commitDatum, index) => {\n      if (\n
!isCommitFilterEnabled ||\n        commitDatum.duration >= minCommitDuration\n      ) {\n
reduced.push(index);\n      }\n      return reduced;\n    }, []),\n    [commitData, isCommitFilterEnabled,\n    minCommitDuration],\n  );\n  const numFilteredCommits = filteredCommitIndices.length;\n  // Map the
(unfiltered) selected commit index to an index within the filtered data.\n  const selectedFilteredCommitIndex =
useMemo(() => {\n    if (selectedCommitIndex !== null) {\n      for (let i = 0; i < filteredCommitIndices.length; i++)\n        {\n          if (filteredCommitIndices[i] === selectedCommitIndex) {\n            return i;\n          }\n        }\n      return
null;\n    }, [filteredCommitIndices, selectedCommitIndex];\n  });\n  // TODO (ProfilerContext) This should be managed
by the context controller (reducer).\n  // It doesn't currently know about the filtered commits though (since it doesn't
suspend).\n  // Maybe this component should pass filteredCommitIndices up?\n  if (selectedFilteredCommitIndex
=== null) {\n    if (numFilteredCommits > 0) {\n      selectCommitIndex(0);\n    } else {\n
selectCommitIndex(null);\n    }\n  } else if (selectedFilteredCommitIndex >= numFilteredCommits) {\n
selectCommitIndex(numFilteredCommits === 0 ? null : numFilteredCommits - 1);\n  }\n\n  let label = null;\n  if
(numFilteredCommits > 0) {\n    // $FlowFixMe[missing-local-annot]\n    const handleCommitInputChange = event
=> {\n      const value = parseInt(event.currentTarget.value, 10);\n      if (!isNaN(value)) {\n        const filteredIndex
= Math.min(\n          Math.max(value - 1, 0),\n          // Snashots are shown to the user as 1-based\n          // but the
indices within the profiler data array ar 0-based.\n          numFilteredCommits - 1,\n        );\n
selectCommitIndex(filteredCommitIndices[filteredIndex]);\n      }\n    }; \n    // $FlowFixMe[missing-local-
annot]\n    const handleClick = event => {\n      event.currentTarget.select();\n    }; \n    // $FlowFixMe[missing-
local-annot]\n    const handleKeyDown = event => {\n      switch (event.key) {\n        case 'ArrowDown':\n
viewPrevCommit();\n        event.stopPropagation();\n        break;\n        case 'ArrowUp':\n
viewNextCommit();\n        event.stopPropagation();\n        break;\n        default:\n          break;\n      }\n    }; \n
const input = (\n      <input\n        className={styles.Input}\n        data-testname="SnapshotSelector-Input"\n
type="text"\n        inputMode="numeric"\n        pattern="[0-9]*"\n        value={\n          // $FlowFixMe[unsafe-
addition] addition with possible null/undefined value\n          selectedFilteredCommitIndex + 1\n        } \n
size={ `${numFilteredCommits}`.length}\n        onChange={handleCommitInputChange}\n
onClick={handleClick}\n        onKeyDown={handleKeyDown}\n      />\n    );\n\n    label = (\n      <Fragment>\n


```

```

className={styles.Button}\n    data-testname=\"SnapshotSelector-PreviousButton\"\n
disabled={numFilteredCommits === 0}\n    onClick={viewPrevCommit}\n    title=\"Select previous\n
commit\">\n    <ButtonIcon type=\"previous\" />\n    </Button>\n    <div\n        className={styles.Commits}\n
        onKeyDown={handleKeyDown}\n        style={{\n            flex: numFilteredCommits > 0 ? '1 1 auto' : '0 0 auto',\n
            maxWidth:\n                numFilteredCommits > 0\n                    ? numFilteredCommits * maxBarWidth\n                    :\n                    undefined,\n            }}\n        tabIndex={0}>\n        {numFilteredCommits > 0 && (\n            <SnapshotCommitList\n
            commitData={commitData}\n            commitTimes={commitTimes}\n
            filteredCommitIndices={filteredCommitIndices}\n            selectedCommitIndex={selectedCommitIndex}\n
            selectedFilteredCommitIndex={selectedFilteredCommitIndex}\n
            selectCommitIndex={selectCommitIndex}\n            totalDurations={totalDurations}\n            />\n        )}\n
    {numFilteredCommits === 0 && (\n        <div className={styles.NoCommits}>No commits</div>\n    )}\n
</div>\n    <Button\n        className={styles.Button}\n        data-testname=\"SnapshotSelector-NextButton\"\n
disabled={numFilteredCommits === 0}\n    onClick={viewNextCommit}\n    title=\"Select next commit\">\n
    <ButtonIcon type=\"next\" />\n    </Button>\n    </Fragment>\n );\n\n\", \"**\n * Copyright (c) Meta Platforms,\n
Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the\n
root directory of this source tree.\n * @flow\n *\n\nimport type {CommitTree} from './types';\nimport type\n
{SerializedElement} from './Components/types';\n\nimport * as React from 'react';\nimport {useContext} from\n
'react';\nimport {ProfilerContext} from './ProfilerContext';\nimport styles from './Updaters.css';\nimport\n
{ElementTypeRoot} from './../types';\n\nexport type Props = {\n    commitTree: CommitTree,\n    updaters:\n
Array<SerializedElement>,\n};\n\nexport default function Updaters({commitTree, updaters}: Props): React.Node\n
{\n    const {selectFiber} = useContext(ProfilerContext);\n\n    const children =\n        updaters.length > 0 ? (\n\n        updaters.map((serializedElement: SerializedElement): React$Node => {\n\n            const {displayName, id, key, type} =\n                serializedElement;\n\n            const isVisibleInTree =\n                commitTree.nodes.has(id) && type !==\n                ElementTypeRoot;\n\n            if (isVisibleInTree) {\n\n                return (\n                    <button\n                        key={id}\n
className={styles.Updater}\n                        onClick={() => selectFiber(id, displayName)}>\n                            {displayName}\n
{key ? `key=\"${key}\"` : ""}\n                        </button>\n                    );\n                } else {\n\n                    return (\n                        <div key={id}\n
className={styles.UnmountedUpdater}>\n                            {displayName} {key ? `key=\"${key}\"` : ""}\n                        </div>\n
                    );\n                }\n            }\n        ) : (\n            <div key=\"none\" className={styles.NoUpdaters}>\n                (unknown)\n
            </div>\n        );\n\n        return <div className={styles.Updaters}>{children}</div>;\n    }\n\n\", \"**\n * Copyright (c) Meta\n
Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE\n
file in the root directory of this source tree.\n * @flow\n *\n\nimport * as React from 'react';\nimport\n
{Fragment, useContext} from 'react';\nimport {ProfilerContext} from './ProfilerContext';\nimport Updaters from\n
'./Updaters';\nimport {formatDuration, formatTime} from './utils';\nimport {StoreContext} from './context';\nimport\n
{getCommitTree} from './CommitTreeBuilder';\n\nimport styles from './SidebarCommitInfo.css';\n\nexport type\n
Props = {};\n\nexport default function SidebarCommitInfo(_: Props): React.Node {\n    const {selectedCommitIndex,\n        rootID} = useContext(ProfilerContext);\n\n    const {profilerStore} = useContext(StoreContext);\n\n    if (rootID ===\n        null || selectedCommitIndex === null) {\n        return <div className={styles.NothingSelected}>Nothing\n        selected</div>;\n    }\n\n    const {\n        duration,\n        effectDuration,\n        passiveEffectDuration,\n        priorityLevel,\n        timestamp,\n        updaters,\n    } = profilerStore.getCommitData(rootID, selectedCommitIndex);\n\n    const\n        hasCommitPhaseDurations =\n            effectDuration !== null || passiveEffectDuration !== null;\n\n    const commitTree\n        =\n            updaters !== null\n                ? getCommitTree({\n                    commitIndex: selectedCommitIndex,\n                    profilerStore,\n                    rootID,\n                })\n                : null;\n\n    return (\n        <Fragment>\n            <div\n                className={styles.Toolbar}>Commit information</div>\n            <div className={styles.Content}>\n                <ul\n                    className={styles.List}>\n                    {priorityLevel !== null && (\n                        <li\n                            className={styles.ListItem}>\n                            <label\n                                className={styles.Label}>Priority</label>: {''}\n                                <span\n                                    className={styles.Value}>{priorityLevel}</span>\n                                </li>\n                            )}\n                    <li\n                        className={styles.ListItem}>\n                            <label\n                                className={styles.Label}>Committed at</label>: {''}\n                                <span\n                                    className={styles.Value}>{formatTime(timestamp)}s</span>\n                                </li>\n                }\n            </div>\n        )\n

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{!hasCommitPhaseDurations && (\n      <li className={styles.ListItem}>\n      <label
className={styles.Label}>Render duration</label>:{' '}\n      <span
className={styles.Value}>{formatDuration(duration)}ms</span>\n      </li>\n      )}\n\n
{hasCommitPhaseDurations && (\n      <li className={styles.ListItem}>\n      <label
className={styles.Label}>Durations</label>\n      <ul className={styles.DurationsList}>\n      <li
className={styles.DurationsListItem}>\n      <label className={styles.Label}>Render</label>:{' '}\n
      <span className={styles.Value}>\n      {formatDuration(duration)}ms\n      </span>\n
</li>\n      {effectDuration !== null && (\n      <li className={styles.DurationsListItem}>\n
      <label className={styles.Label}>Layout effects</label>:{' '}\n      <span className={styles.Value}>\n
      {formatDuration(effectDuration)}ms\n      </span>\n      </li>\n      )}\n
      {passiveEffectDuration !== null && (\n      <li className={styles.DurationsListItem}>\n      <label
className={styles.Label}>Passive effects</label>:{' '}\n      <span className={styles.Value}>\n
      {formatDuration(passiveEffectDuration)}ms\n      </span>\n      </li>\n      )}\n
</ul>\n      </li>\n      )}\n      {updaters !== null && commitTree !== null && (\n      <li
className={styles.ListItem}>\n      <label className={styles.Label}>What caused this update</label>?\n
      <Updaters commitTree={commitTree} updaters={updaters} />\n      </li>\n      )}\n      </ul>\n
</div>\n      </Fragment>\n      );\n    }\n  },\n  /**\n   * Copyright (c) Meta Platforms, Inc. and affiliates.\n   *\n   * This source
code is licensed under the MIT license found in the\n   * LICENSE file in the root directory of this source tree.\n   *\n
   * @flow\n   */\n  import * as React from 'react';\n  import styles from './Profiler.css';\n  \n  export default function
ProcessingData(): React.Node {\n    return (\n      <div className={styles.Column}>\n      <div
className={styles.Header}>Processing data...</div>\n      <div className={styles.Row}>This should only take a
minute.</div>\n      </div>\n    );\n  }\n  },\n  /**\n   * Copyright (c) Meta Platforms, Inc. and affiliates.\n   *\n
   * This source code is licensed under the MIT license found in the\n   * LICENSE file in the root directory of this source tree.\n   *\n
   * @flow\n   */\n  import * as React from 'react';\n  import styles from './Profiler.css';\n  \n  export default function
ProfilingNotSupported(): React.Node {\n    return (\n      <div className={styles.Column}>\n      <div
className={styles.Header}>Profiling not supported.</div>\n      <p className={styles.Paragraph}>\n
Profiling support requires either a development or profiling build of\n      React v16.5+.\n      </p>\n      <p
className={styles.Paragraph}>\n      Learn more at {' '}\n      <a\n      className={styles.Link}\n
href=\"https://fb.me/react-devtools-profiling\"\n      rel=\"noopener noreferrer\"\n      target=\"_blank\"\n
reactjs.org/link/profiling\n      </a>\n      .\n      </p>\n      </div>\n    );\n  }\n  },\n  /**\n   * Copyright (c) Meta Platforms,
Inc. and affiliates.\n   *\n   * This source code is licensed under the MIT license found in the\n   * LICENSE file in the
root directory of this source tree.\n   *\n   * @flow\n   */\n  import * as React from 'react';\n  import {Fragment,
useContext, useEffect, useRef} from 'react';\n  import WhatChanged from './WhatChanged';\n  import
{ProfilerContext} from './ProfilerContext';\n  import {formatDuration, formatTime} from './utils';\n  import
{StoreContext} from './context';\n  import Button from './Button';\n  import ButtonIcon from
'./ButtonIcon';\n  import styles from './SidebarSelectedFiberInfo.css';\n  \n  export type Props = {};\n  \n  export default
function SidebarSelectedFiberInfo(_: Props): React.Node {\n    const {profilerStore} = useContext(StoreContext);\n
    const {\n      rootID,\n      selectCommitIndex,\n      selectedCommitIndex,\n      selectedFiberID,\n
      selectedFiberName,\n      selectFiber,\n    } = useContext(ProfilerContext);\n    const {profilingCache} = profilerStore;\n
    const selectedListItemRef = useRef<HTMLDivElement | null>(null);\n    const commitIndices =
profilingCache.getFiberCommits({\n      fiberID: ((selectedFiberID: any): number),\n      rootID: ((rootID: any):
number),\n    });\n    // $FlowFixMe[missing-local-annot]\n    const handleKeyDown = event => {\n      switch
(event.key) {\n        case 'ArrowUp':\n          if (selectedCommitIndex !== null) {\n            const prevIndex =
commitIndices.indexOf(selectedCommitIndex);\n            const nextIndex =\n              prevIndex > 0 ? prevIndex - 1 :
commitIndices.length - 1;\n            selectCommitIndex(commitIndices[nextIndex]);\n          }\n          event.preventDefault();\n          break;\n        case 'ArrowDown':\n          if (selectedCommitIndex !== null) {\n
const prevIndex = commitIndices.indexOf(selectedCommitIndex);\n            const nextIndex =\n              prevIndex <
commitIndices.length - 1 ? prevIndex + 1 : 0;\n            selectCommitIndex(commitIndices[nextIndex]);\n          }\n

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event.preventDefault();\n      break;\n      default:\n        break;\n    }\n  };\n\n  useEffect(() => {\n    const\n    selectedElement = selectedListItemRef.current;\n    if (\n      selectedElement !== null &&\n      //\n      $FlowFixMe[method-unbinding]\n      typeof selectedElement.scrollToView === 'function'\n    ) {\n      selectedElement.scrollToView({block: 'nearest', inline: 'nearest'});\n    }\n  }, [selectedCommitIndex]);\n\n  const\n  listItems = [];\n  let i = 0;\n  for (i = 0; i < commitIndices.length; i++) {\n    const commitIndex =\n    commitIndices[i];\n    const {duration, timestamp} = profilerStore.getCommitData(\n      ((rootID: any):\n      number),\n      commitIndex,\n    );\n    listItems.push(\n      <button\n        key={commitIndex}\n        ref={selectedCommitIndex === commitIndex ? selectedListItemRef : null}\n        className={\n          selectedCommitIndex === commitIndex\n            ? styles.CurrentCommit\n            : styles.Commit\n        }\n        onClick={() => selectCommitIndex(commitIndex)}>\n        {formatTime(timestamp)}s for\n        {formatDuration(duration)}ms\n      </button>,\n    );\n  }\n\n  return (\n    <Fragment>\n      <div\n        className={styles.Toolbar}>\n        <div className={styles.Component}>\n          {selectedFiberName || 'Selected\n          component'}\n        </div>\n        <Button\n          className={styles.IconButton}\n          onClick={() =>\n            selectFiber(null, null)}\n          title="Back to commit view">\n            <ButtonIcon type="close" />\n          </Button>\n        </div>\n        <div className={styles.Content} onKeyDown={handleKeyDown} tabIndex={0}>\n          <WhatChanged fiberID={((selectedFiberID: any): number)} />\n          {listItems.length > 0 && (\n            <Fragment>\n              <label className={styles.Label}>Rendered at</label>: {listItems}\n            </Fragment>\n          )}\n          {listItems.length === 0 && (\n            <div>Did not render during this profiling session.</div>\n          )}\n        </div>\n      </Fragment>\n    );\n  };\n\n  /**\n   * Copyright (c) Meta Platforms, Inc. and affiliates.\n   * This source\n   * code is licensed under the MIT license found in the\n   * LICENSE file in the root directory of this source tree.\n   *\n   * @flow\n   */\n\n  import * as React from 'react';\n  import {Fragment, useContext} from 'react';\n  import\n  {ModalDialog} from '../ModalDialog';\n  import {ProfilerContext} from '../ProfilerContext';\n  import TabBar from\n  '../TabBar';\n  import ClearProfilingDataButton from\n  './ClearProfilingDataButton';\n  import CommitFlamegraph from\n  './CommitFlamegraph';\n  import CommitRanked from\n  './CommitRanked';\n  import RootSelector from\n  './RootSelector';\n  import {Timeline} from 'react-devtools-timeline/src/Timeline';\n  import SidebarEventInfo from\n  './SidebarEventInfo';\n  import RecordToggle from\n  './RecordToggle';\n  import ReloadAndProfileButton from\n  './ReloadAndProfileButton';\n  import ProfilingImportExportButtons from\n  './ProfilingImportExportButtons';\n  import\n  SnapshotSelector from\n  './SnapshotSelector';\n  import SidebarCommitInfo from\n  './SidebarCommitInfo';\n  import\n  NoProfilingData from\n  './NoProfilingData';\n  import RecordingInProgress from\n  './RecordingInProgress';\n  import\n  ProcessingData from\n  './ProcessingData';\n  import ProfilingNotSupported from\n  './ProfilingNotSupported';\n  import\n  SidebarSelectedFiberInfo from\n  './SidebarSelectedFiberInfo';\n  import SettingsModal from 'react-devtools-\n  shared/src/devtools/views/Settings/SettingsModal';\n  import SettingsModalContextToggle from 'react-devtools-\n  shared/src/devtools/views/Settings/SettingsModalContextToggle';\n  import {SettingsModalContextController} from\n  'react-devtools-shared/src/devtools/views/Settings/SettingsModalContext';\n  import portaledContent from\n  './portaledContent';\n  import {StoreContext} from './context';\n  import {TimelineContext} from 'react-devtools-\n  timeline/src/TimelineContext';\n\n  import styles from './Profiler.css';\n\n  function Profiler(_: {}) {\n    const {\n      didRecordCommits,\n      isProcessingData,\n      isProfiling,\n      selectedCommitIndex,\n      selectedFiberID,\n      selectedTabID,\n      selectTab,\n      supportsProfiling,\n    } = useContext(ProfilerContext);\n\n    const {file:\n      timelineTraceEventData, searchInputContainerRef} =\n      useContext(TimelineContext);\n\n    const\n      {supportsTimeline} =\n      useContext(StoreContext);\n\n    const isLegacyProfilerSelected = selectedTabID !==\n    'timeline';\n\n    let view = null;\n    if (didRecordCommits || selectedTabID === 'timeline') {\n      switch\n      (selectedTabID) {\n        case 'flame-chart':\n          view = <CommitFlamegraph />;\n          break;\n        case 'ranked-\n        chart':\n          view = <CommitRanked />;\n          break;\n        case 'timeline':\n          view = <Timeline />;\n          break;\n        default:\n          break;\n      }\n    } else if (isProfiling) {\n      view = <RecordingInProgress />;\n    } else if\n    (isProcessingData) {\n      view = <ProcessingData />;\n    } else if\n    (timelineTraceEventData) {\n      view =\n      <OnlyTimelineData />;\n    } else if\n    (supportsProfiling) {\n      view = <NoProfilingData />;\n    } else {\n      view =\n      <ProfilingNotSupported />;\n    }\n\n    let sidebar = null;\n    if (!isProfiling && !isProcessingData &&\n      didRecordCommits) {\n      switch (selectedTabID) {\n        case 'flame-chart':\n          case 'ranked-chart':\n            //

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TRICKY\n    // Handle edge case where no commit is selected because of a min-duration filter update.\n    // In
that case, the selected commit index would be null.\n    // We could still show a sidebar for the previously selected
fiber,\n    // but it would be an odd user experience.\n    // TODO (ProfilerContext) This check should not be
necessary.\n    if (selectedCommitIndex !== null) {\n        if (selectedFiberID !== null) {\n            sidebar =
<SidebarSelectedFiberInfo />.\n        } else {\n            sidebar = <SidebarCommitInfo />.\n        }\n    }\n    break;\n    case 'timeline':\n        sidebar = <SidebarEventInfo />.\n        break;\n    default:\n        break;\n    }\n}\n\nreturn (\n    <SettingsModalContextController>\n        <div className={styles.Profiler}>\n            <div
className={styles.LeftColumn}>\n                <div className={styles.Toolbar}>\n                    <RecordToggle
disabled={!supportsProfiling} />\n                    <ReloadAndProfileButton disabled={!supportsProfiling} />\n                    <ClearProfilingDataButton />\n                    <ProfilingImportExportButtons />\n                    <div className={styles.VRule}
/>\n                    <TabBar\n                        currentTab={selectedTabID}\n                        id="Profiler"\n
selectTab={selectTab}\n                        tabs={supportsTimeline ? tabsWithTimeline : tabs}\n                        type="profiler"\n
                    />\n                    <RootSelector />\n                    <div className={styles.Spacer} />\n                    {!isLegacyProfilerSelected
&& (\n                        <div\n                            ref={searchInputContainerRef}\n
className={styles.TimelineSearchInputContainer}\n                            />\n                        )}\n                    <SettingsModalContextToggle
/>\n                    {isLegacyProfilerSelected && didRecordCommits && (\n                        <Fragment>\n                            <div
className={styles.VRule} />\n                            <SnapshotSelector />\n                            </Fragment>\n                        )}\n                    </div>\n                <div className={styles.Content}>\n                    {view}\n                    <ModalDialog />\n                </div>\n                <div className={styles.RightColumn}>{sidebar}</div>\n            </SettingsModal />\n        </div>\n    </SettingsModalContextController>\n);}\n\nconst OnlyTimelineData = () => (\n    <div
className={styles.Column}>\n        <div className={styles.Header}>Timeline only</div>\n        <div
className={styles.Row}>\n            The current profile contains only Timeline data.\n        </div>\n    </div>\n);\n\nconst
tabs = [\n    {\n        id: 'flame-chart',\n        icon: 'flame-chart',\n        label: 'Flamegraph',\n        title: 'Flamegraph chart',\n    },\n    {\n        id: 'ranked-chart',\n        icon: 'ranked-chart',\n        label: 'Ranked',\n        title: 'Ranked chart',\n    },\n];\n\nconst
tabsWithTimeline = [\n    ...tabs,\n    null, // Divider/seperator\n    {\n        id: 'timeline',\n        icon: 'timeline',\n        label:
'Timeline',\n        title: 'Timeline',\n    },\n];\n\nexport default (portaledContent(Profiler):
React.ComponentType<{}>);\n\n/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code
is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n\n@flow\n */\nimport * as React from 'react';\nimport styles from './ReactLogo.css';\n\ntype Props = {\n    className?: string,\n};\n\nexport default function ReactLogo({className}: Props): React.Node {\n    return (\n        <svg\n            xmlns="http://www.w3.org/2000/svg"\n            className={` ${styles.ReactLogo} ${className || ""}`}\n            viewBox="-11.5 -10.23174 23 20.46348">\n            <circle cx="0" cy="0" r="2.05" fill="currentColor" />\n            <g stroke="currentColor" strokeWidth="1" fill="none">\n                <ellipse rx="11" ry="4.2" />\n                <ellipse rx="11" ry="4.2" transform="rotate(60)" />\n                <ellipse rx="11" ry="4.2" transform="rotate(120)" />\n            </g>\n        </svg>\n    );\n}\n\n/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n\n@flow\n */\nimport * as React from 'react';\nimport {Fragment, useContext, useEffect} from 'react';\nimport
{ModalDialogContext} from './ModalDialog';\nimport {StoreContext} from './context';\nimport
{currentBridgeProtocol} from 'react-devtools-shared/src/bridge';\nimport Button from './Button';\nimport
ButtonIcon from './ButtonIcon';\nimport {copy} from 'clipboard-js';\nimport styles from
 './UnsupportedBridgeProtocolDialog.css';\nimport type {BridgeProtocol} from 'react-devtools-
shared/src/bridge';\n\nconst DEVTOOLS_VERSION = process.env.DEVTOOLS_VERSION;\n\nconst
INSTRUCTIONS_FB_URL =\n    'https://fb.me/devtools-unsupported-bridge-protocol';\n\nconst
MODAL_DIALOG_ID = 'UnsupportedBridgeProtocolDialog';\n\nexport default function
UnsupportedBridgeProtocolDialog(_: {}): null {\n    const {dialogs, dispatch} = useContext(ModalDialogContext);\n    const store = useContext(StoreContext);\n    const isVisible = !!dialogs.find(dialog => dialog.id ===
MODAL_DIALOG_ID);\n    useEffect(() => {\n        const updateDialog = () => {\n            if (!isVisible) {\n                if
(store.unsupportedBridgeProtocolDetected) {\n                    dispatch({\n                        canBeDismissed: false,\n                        id:

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MODAL_DIALOG_ID,\n      type: 'SHOW',\n      content: (\n        <DialogContent
unsupportedBridgeProtocol={store.bridgeProtocol} />\n      ),\n    });\n  } else {\n    if
(!store.unsupportedBridgeProtocolDetected) {\n      dispatch({\n        type: 'HIDE',\n        id:
MODAL_DIALOG_ID,\n      });\n    }\n  });\n  updateDialog();\n  store.addListener('unsupportedBridgeProtocolDetected', updateDialog);\n  return () => {\n
store.removeListener('unsupportedBridgeProtocolDetected', updateDialog);\n  }, [isVisible, store]);\n  return
null;\n}\n\nfunction DialogContent({\n  unsupportedBridgeProtocol,\n}: {\n  unsupportedBridgeProtocol:
BridgeProtocol,\n}) {\n  const {version, minNpmVersion, maxNpmVersion} = unsupportedBridgeProtocol;\n  let
instructions;\n  if (maxNpmVersion === null) {\n    const upgradeInstructions = `npm i -g react-
devtools@^${minNpmVersion}`;\n    instructions = (\n      <>\n      <p className={styles.Paragraph}>\n        To
fix this, upgrade the DevTools NPM package:\n      </p>\n      <pre className={styles.NpmCommand}>\n
{upgradeInstructions}\n      <Button\n        onClick={() => copy(upgradeInstructions)}\n        title="Copy
upgrade command to clipboard"\n      <ButtonIcon type="copy" />\n      </Button>\n      </pre>\n
</>\n    );\n  } else {\n    const downgradeInstructions = `npm i -g react-devtools@${maxNpmVersion}`;\n
instructions = (\n      <>\n      <p className={styles.Paragraph}>\n        To fix this, downgrade the DevTools
NPM package:\n      </p>\n      <pre className={styles.NpmCommand}>\n        {downgradeInstructions}\n
<Button\n        onClick={() => copy(downgradeInstructions)}\n        title="Copy downgrade command to
clipboard"\n      <ButtonIcon type="copy" />\n      </Button>\n      </pre>\n      </>\n    );\n  }\n  return
(\n    <Fragment>\n      <div className={styles.Column}>\n        <div className={styles.Title}>Unsupported
DevTools backend version</div>\n        <p className={styles.Paragraph}>\n          You are running <code>react-
devtools</code> version{' '\n          <span className={styles.Version}>{DEVTOOLS_VERSION}</span>.\n
</p>\n        <p className={styles.Paragraph}>\n          This requires bridge protocol{' '\n          <span
className={styles.Version}>\n            version {currentBridgeProtocol.version}\n          </span>\n          . However
the current backend version uses bridge protocol{' '\n          <span className={styles.Version}>version
{version}</span>.\n        </p>\n        {instructions}\n        <p className={styles.Paragraph}>\n          Or{' '\n
<a className={styles.Link} href={INSTRUCTIONS_FB_URL} target="_blank">\n            click here\n
</a>{' '\n          for more information.\n        </p>\n      </div>\n    </Fragment>\n  );\n}\n\n"/>**\n * Copyright (c)
Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\nimport * as React from 'react';\nimport
{Fragment, useContext, useEffect, useState} from 'react';\nimport {unstable_batchedUpdates as batchedUpdates}
from 'react-dom';\nimport {ModalDialogContext} from './ModalDialog';\nimport {StoreContext} from
'./context';\nimport {UNSUPPORTED_VERSION_URL} from './constants';\nimport styles from
'./UnsupportedVersionDialog.css';\n\ntype DIALOG_STATE = 'dialog-not-shown' | 'show-dialog' | 'dialog-
shown';\n\nexport default function UnsupportedVersionDialog(_: {}): null {\n  const {dispatch} =
useContext(ModalDialogContext);\n  const store = useContext(StoreContext);\n  const [state, setState] =
useState<DIALOG_STATE>('dialog-not-shown');\n  useEffect(() => {\n    if (state === 'dialog-not-shown') {\n
const showDialog = () => {\n      batchedUpdates(() => {\n        setState('show-dialog');\n        dispatch({\n
canBeDismissed: true,\n        id: 'UnsupportedVersionDialog',\n        type: 'SHOW',\n        content:
<DialogContent />,\n      });\n    });\n  });\n  if (store.unsupportedRendererVersionDetected) {\n
showDialog();\n  } else {\n    store.addListener('unsupportedRendererVersionDetected', showDialog);\n
return () => {\n      store.removeListener(\n        'unsupportedRendererVersionDetected',\n
showDialog,\n      );\n    };\n  }\n  }, [state, store]);\n  return null;\n}\n\nfunction DialogContent(_:
{}): {\n  return (\n    <Fragment>\n      <div className={styles.Row}>\n        <div>\n          <div
className={styles.Title}>Unsupported React version detected</div>\n          <p>\n            This version of React
DevTools supports React DOM v15+ and React\n            Native v61+.\n          </p>\n          <p>\n            In order to
use DevTools with an older version of React, you'll need\n            to{' '\n            <a\n
className={styles.ReleaseNotesLink}\n              target="_blank"\n              rel="noopener noreferrer"\n
href={UNSUPPORTED_VERSION_URL}>\n              install an older version of the extension\n            </a>\n

```

```

    .\n      </p>\n      </div>\n      </div>\n      </Fragment>\n    );\n  };\n  /**\n * Copyright (c) Meta Platforms, Inc.
and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n * @flow\n */\nimport * as React from 'react';\nimport {Fragment, useContext,
useEffect} from 'react';\nimport {BridgeContext} from './context';\nimport {ModalDialogContext} from
 './ModalDialog';\nimport styles from './WarnIfLegacyBackendDetected.css';\nexport default function
WarnIfLegacyBackendDetected(_: {}): null {\n  const bridge = useContext(BridgeContext);\n  const {dispatch} =
useContext(ModalDialogContext);\n\n  // Detect pairing with legacy v3 backend.\n  // We do this by listening to a
message that it broadcasts but the v4 backend doesn't.\n  // In this case the frontend should show upgrade
instructions.\n  useEffect(() => {\n    // Wall.listen returns a cleanup function\n    let unlisten: $FlowFixMe =
bridge.wall.listen(message => {\n      switch (message.type) {\n        case 'call':\n          case 'event':\n          case 'many-
events':\n            // Any of these types indicate the v3 backend.\n            dispatch({\n              canBeDismissed: false,\n              id: 'WarnIfLegacyBackendDetected',\n              type: 'SHOW',\n              title: 'DevTools v4 is incompatible with
this version of React',\n              content: <InvalidBackendDetected />,\n            });\n\n            // Once we've identified
the backend version, it's safe to unsubscribe.\n            if (typeof unlisten === 'function') {\n              unlisten();\n              unlisten = null;\n            }\n            break;\n          default:\n            break;\n        }\n      }\n      switch (message.event) {\n        case 'isBackendStorageAPISupported':\n          case 'isNativeStyleEditorSupported':\n          case 'operations':\n          case 'overrideComponentFilters':\n            // Any of these is sufficient to indicate a v4 backend.\n            // Once we've
identified the backend version, it's safe to unsubscribe.\n            if (typeof unlisten === 'function') {\n              unlisten();\n              unlisten = null;\n            }\n            break;\n          default:\n            break;\n        }\n      });\n    }\n    return ()
=> {\n      if (typeof unlisten === 'function') {\n        unlisten();\n        unlisten = null;\n      }\n    };
  }, [bridge, dispatch]);\n  return null;\n}\n\nfunction InvalidBackendDetected(_: {}) {\n  return (\n    <Fragment>\n    <p>Either upgrade React or install React DevTools v3:</p>\n    <code className={styles.Command}>npm install
-d react-devtools@^3</code>\n    </Fragment>\n  );\n};\n  /**\n * Copyright (c) Meta Platforms, Inc. and
affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n * @flow\n */\n// Reach styles need to come before any component styles.\n//
This makes overriding the styles simpler.\nimport '@reach/menu-button/styles.css';\nimport '@reach/tooltip/styles.css';\nimport * as React from 'react';\nimport {useCallback, useEffect, useLayoutEffect,
useMemo, useRef} from 'react';\nimport Store from './store';\nimport {\n  BridgeContext,\n  ContextMenuContext,\n  StoreContext,\n  OptionsContext,\n} from './context';\nimport Components from
 './Components/Components';\nimport Profiler from './Profiler/Profiler';\nimport TabBar from './TabBar';\nimport
 {SettingsContextController} from './Settings/SettingsContext';\nimport {TreeContextController} from
 './Components/TreeContext';\nimport ViewElementSourceContext from
 './Components/ViewElementSourceContext';\nimport ViewSourceContext from
 './Components/ViewSourceContext';\nimport FetchFileWithCachingContext from
 './Components/FetchFileWithCachingContext';\nimport HookNamesModuleLoaderContext from 'react-devtools-
shared/src/devtools/views/Components/HookNamesModuleLoaderContext';\nimport {ProfilerContextController}
from './Profiler/ProfilerContext';\nimport {TimelineContextController} from 'react-devtools-
timeline/src/TimelineContext';\nimport {ModalDialogContextController} from './ModalDialog';\nimport ReactLogo
from './ReactLogo';\nimport UnsupportedBridgeProtocolDialog from './UnsupportedBridgeProtocolDialog';\nimport
 UnsupportedVersionDialog from './UnsupportedVersionDialog';\nimport WarnIfLegacyBackendDetected from
 './WarnIfLegacyBackendDetected';\nimport {useLocalStorage} from './hooks';\nimport ThemeProvider from
 './ThemeProvider';\nimport {LOCAL_STORAGE_DEFAULT_TAB_KEY} from './../constants';\nimport
 {logEvent} from './../Logger';\nimport styles from './DevTools.css';\nimport './root.css';\nimport type
 {InspectedElement} from 'react-devtools-shared/src/devtools/views/Components/types';\nimport type
 {FetchFileWithCaching} from './Components/FetchFileWithCachingContext';\nimport type
 {HookNamesModuleLoaderFunction} from 'react-devtools-
shared/src/devtools/views/Components/HookNamesModuleLoaderContext';\nimport type {FrontendBridge} from
 'react-devtools-shared/src/bridge';\nimport type {BrowserTheme} from 'react-devtools-shared/src/types';\nexport

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type TabID = 'components' | 'profiler';
export type ViewElementSource = (id: number, inspectedElement: InspectedElement) => void;
export type ViewUrlSource = (url: string, row: number, column: number) => void;
export type ViewAttributeSource = (id: number, path: Array<string | number>) => void;
export type CanViewElementSource = (inspectedElement: InspectedElement) => boolean;
export type Props = {
  bridge: FrontendBridge,
  browserTheme?: BrowserTheme,
  canViewElementSourceFunction?: CanViewElementSource,
  defaultTab?: TabID,
  enabledInspectedElementContextMenu?: boolean,
  showTabBar?: boolean,
  store: Store,
  warnIfLegacyBackendDetected?: boolean,
  warnIfUnsupportedVersionDetected?: boolean,
  viewAttributeSourceFunction?: ViewAttributeSource,
  viewElementSourceFunction?: ViewElementSource,
  viewUrlSourceFunction?: ViewUrlSource,
  readOnly?: boolean,
  hideSettings?: boolean,
  hideToggleErrorAction?: boolean,
  hideToggleSuspenseAction?: boolean,
  hideLogAction?: boolean,
  hideViewSourceAction?: boolean,
  // This property is used only by the web extension target.
  // The built-in tab UI is hidden in that case, in favor of the browser's own panel tabs.
  // This is done to save space within the app.
  // Because of this, the extension needs to be able to change which tab is active/rendered.
  overrideTab?: TabID,
  // To avoid potential multi-root trickiness, the web extension uses portals to render tabs.
  // The root <DevTools> app is rendered in the top-level extension window,
  // but individual tabs (e.g. Components, Profiling) can be rendered into portals within their browser panels.
  componentsPortalContainer?: Element,
  profilerPortalContainer?: Element,
  // Loads and parses source maps for function components
  // and extracts hook "names" based on the variables the hook return values get assigned to.
  // Not every DevTools build can load source maps, so this property is optional.
  fetchFileWithCaching?: FetchFileWithCaching,
  // TODO (Webpack 5) Hopefully we can remove this prop after the Webpack 5 migration.
  hookNamesModuleLoaderFunction?: HookNamesModuleLoaderFunction;
};
const componentsTab = {
  id: ('components': TabID),
  icon: 'components',
  label: 'Components',
  title: 'React Components',
};
const profilerTab = {
  id: ('profiler': TabID),
  icon: 'profiler',
  label: 'Profiler',
  title: 'React Profiler',
};
const tabs = [componentsTab, profilerTab];
export default function DevTools({
  bridge,
  browserTheme = 'light',
  canViewElementSourceFunction,
  componentsPortalContainer,
  defaultTab = 'components',
  enabledInspectedElementContextMenu = false,
  fetchFileWithCaching,
  hookNamesModuleLoaderFunction,
  overrideTab,
  profilerPortalContainer,
  showTabBar = false,
  store,
  warnIfLegacyBackendDetected = false,
  warnIfUnsupportedVersionDetected = false,
  viewAttributeSourceFunction,
  viewElementSourceFunction,
  viewUrlSourceFunction,
  readOnly,
  hideSettings,
  hideToggleErrorAction,
  hideToggleSuspenseAction,
  hideLogAction,
  hideViewSourceAction,
}: Props): React.Node {
  const [currentTab, setTab] = useLocalStorage<TabID>(LOCAL_STORAGE_DEFAULT_TAB_KEY, defaultTab);
  let tab = currentTab;
  if (overrideTab != null) {
    tab = overrideTab;
  }
  const selectTab = useCallback((tabId: TabID) => {
    // We show the TabBar when DevTools is NOT rendered as a browser extension.
    // In this case, we want to capture when people select tabs with the TabBar.
    // When DevTools is rendered as an extension, we capture this event when the browser devtools panel changes.
    if (showTabBar === true) {
      if (tabId === 'components') {
        logEvent({event_name: 'selected-components-tab'});
      } else {
        logEvent({event_name: 'selected-profiler-tab'});
      }
      setTab(tabId);
    }
    [setTab, showTabBar],
  );
  const options = useMemo(() => ({
    readOnly: readOnly || false,
    hideSettings: hideSettings || false,
    hideToggleErrorAction: hideToggleErrorAction || false,
    hideToggleSuspenseAction: hideToggleSuspenseAction || false,
    hideLogAction: hideLogAction || false,
    hideViewSourceAction: hideViewSourceAction || false,
  }), [readOnly, hideSettings, hideToggleErrorAction, hideToggleSuspenseAction, hideLogAction, hideViewSourceAction]);
  const viewElementSource = useMemo(() => ({
    canViewElementSourceFunction: canViewElementSourceFunction || null,
    viewElementSourceFunction: viewElementSourceFunction || null,
  }), [canViewElementSourceFunction, viewElementSourceFunction]);
  const viewSource = useMemo(() => ({
    viewUrlSourceFunction: viewUrlSourceFunction || null,
    // todo(blakef): Add inspect(...) method here and remove viewElementSource
    // to consolidate source code inspection.
  }),

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[viewUrlSourceFunction],\n );\n\n const contextMenu = useMemo(\n  () => ({\n
isEnabledForInspectedElement: enabledInspectedElementContextMenu,\n  viewAttributeSourceFunction:\n
viewAttributeSourceFunction || null,\n  },\n  [enabledInspectedElementContextMenu,\n
viewAttributeSourceFunction],\n );\n\n const devToolsRef = useRef<HTMLElement | null>(null);\n\n useEffect(()\n
=> {\n  if (!showTabBar) {\n    return;\n  }\n\n  const div = devToolsRef.current;\n  if (div === null) {\n
return;\n  }\n\n  const ownerWindow = div.ownerDocument.defaultView;\n  const handleKeyDown = (event:\n
KeyboardEvent) => {\n  if (event.ctrlKey || event.metaKey) {\n    switch (event.key) {\n      case '1':\n
selectTab(tabs[0].id);\n      event.preventDefault();\n      event.stopPropagation();\n      break;\n      case\n
'2':\n      selectTab(tabs[1].id);\n      event.preventDefault();\n      event.stopPropagation();\n
break;\n    }\n  }\n  });\n  ownerWindow.addEventListener('keydown', handleKeyDown);\n  return () => {\n
ownerWindow.removeEventListener('keydown', handleKeyDown);\n  };,\n  [showTabBar]);\n\n  useLayoutEffect(() => {\n  return () => {\n  try {\n    // Shut the Bridge down synchronously (during\n
unmount).\n    bridge.shutdown();\n  } catch (error) {\n    // Attempting to use a disconnected port.\n  }\n
};,\n  [bridge]);\n\n  useEffect(() => {\n  logEvent({event_name: 'loaded-dev-tools'});\n  }, [],);\n  return (\n
<BridgeContext.Provider value={bridge}>\n  <StoreContext.Provider value={store}>\n
<OptionsContext.Provider value={options}>\n  <ContextMenuContext.Provider value={contextMenu}>\n
<ModalDialogContextController>\n  <SettingsContextController\n
browserTheme={browserTheme}>\n  componentsPortalContainer={componentsPortalContainer}>\n
profilerPortalContainer={profilerPortalContainer}>\n  <ViewElementSourceContext.Provider\n
value={viewElementSource}>\n  <ViewSourceContext.Provider value={viewSource}>\n
<HookNamesModuleLoaderContext.Provider\n  value={hookNamesModuleLoaderFunction || null}>\n
<FetchFileWithCachingContext.Provider\n  value={fetchFileWithCaching || null}>\n
<TreeContextController>\n  <ProfilerContextController>\n
<TimelineContextController>\n  <ThemeProvider>\n  <div\n
className={styles.DevTools}>\n  ref={devToolsRef}>\n  data-react-\n
devtools-portal-root={true}>\n  {showTabBar && (\n  <div\n
className={styles.TabBar}>\n  <ReactLogo />\n  <span\n
className={styles.DevToolsVersion}>\n  {process.env.DEVTOOLS_VERSION}>\n
</span>\n  <div className={styles.Spacer} />\n
<TabBar\n  currentTab={tab}>\n  id=\"DevTools\"\n  selectTab={selectTab}>\n  tabs={tabs}>\n  type=\"navigation\"\n  />\n  </div>\n  ))>\n  <div\n
className={styles.TabContent}>\n  hidden={tab !== 'components'}>\n
<Components\n  portalContainer={\n
componentsPortalContainer\n  }>\n  </div>\n  <div\n
className={styles.TabContent}>\n  hidden={tab\n
!== 'profiler'}>\n  <Profiler\n
portalContainer={profilerPortalContainer}>\n  />\n  </div>\n
</div>\n  </ThemeProvider>\n  </TimelineContextController>\n
</ProfilerContextController>\n  </TreeContextController>\n
</FetchFileWithCachingContext.Provider>\n  </HookNamesModuleLoaderContext.Provider>\n
</ViewSourceContext.Provider>\n  </ViewElementSourceContext.Provider>\n
</SettingsContextController>\n  <UnsupportedBridgeProtocolDialog />\n
{warnIfLegacyBackendDetected && <WarnIfLegacyBackendDetected />}\n
{warnIfUnsupportedVersionDetected && <UnsupportedVersionDialog />}\n
</ModalDialogContextController>\n  </ContextMenuContext.Provider>\n  </OptionsContext.Provider>\n
</StoreContext.Provider>\n  </BridgeContext.Provider>\n  );\n\n\n\"/**\n * Copyright (c) Meta Platforms, Inc.\n
and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root

```

```

directory of this source tree.\n *\n * @flow\n */\n\nimport {existsSync} from 'fs';\nimport {basename, join,
isAbsolute} from 'path';\nimport {execSync, spawn} from 'child_process';\nimport {parse} from 'shell-
quote';\n\nfunction isTerminalEditor(editor: string): boolean {\n switch (editor) {\n case 'vim':\n case 'emacs':\n
case 'nano':\n return true;\n default:\n return false;\n }}\n\n// Map from full process name to binary that
starts the process\n// We can't just re-use full process name, because it will spawn a new instance\n// of the app
every time\nconst COMMON_EDITORS = {\n '/Applications/Atom.app/Contents/MacOS/Atom': 'atom',\n
'/Applications/Atom Beta.app/Contents/MacOS/Atom Beta':\n '/Applications/Atom
Beta.app/Contents/MacOS/Atom Beta',\n '/Applications/Sublime Text.app/Contents/MacOS/Sublime Text':\n
'/Applications/Sublime Text.app/Contents/SharedSupport/bin/subl',\n '/Applications/Sublime Text
2.app/Contents/MacOS/Sublime Text 2':\n '/Applications/Sublime Text 2.app/Contents/SharedSupport/bin/subl',\n
'/Applications/Visual Studio Code.app/Contents/MacOS/Electron': 'code',\n};\n\nfunction
getArgumentsForLineNumber(\n editor: string,\n filePath: string,\n lineNumber: number,\n): Array<string> {\n
switch (basename(editor)) {\n case 'vim':\n case 'mvim':\n return [filePath, '+' + lineNumber];\n case
'atom':\n case 'Atom':\n case 'Atom Beta':\n case 'subl':\n case 'sublime':\n case 'wstorm':\n case
'appcode':\n case 'charm':\n case 'idea':\n return [filePath + '+' + lineNumber];\n case 'joe':\n case 'emacs':\n
case 'emacsclient':\n return ['+' + lineNumber, filePath];\n case 'rmate':\n case 'mate':\n case 'mine':\n
return ['--line', lineNumber + ", filePath];\n case 'code':\n return ['-g', filePath + ':' + lineNumber];\n default:\n
// For all others, drop the lineNumber until we have\n // a mapping above, since providing the lineNumber
incorrectly\n // can result in errors or confusing behavior.\n return [filePath];\n }}\n\nfunction
guessEditor(): Array<string> {\n // Explicit config always wins\n if (process.env.REACT_EDITOR) {\n return
parse(process.env.REACT_EDITOR);\n }\n\n // Using `ps x` on OSX we can find out which editor is currently
running.\n // Potentially we could use similar technique for Windows and Linux\n if (process.platform ===
'darwin') {\n try {\n const output = execSync('ps x').toString();\n const processNames =
Object.keys(COMMON_EDITORS);\n for (let i = 0; i < processNames.length; i++) {\n const processName
= processNames[i];\n if (output.indexOf(processName) !== -1) {\n return
[COMMON_EDITORS[processName]]; \n } \n } catch (error) {\n // Ignore...\n }}\n\n // Last
resort, use old-school env vars\n if (process.env.VISUAL) {\n return [process.env.VISUAL];\n } else if
(process.env.EDITOR) {\n return [process.env.EDITOR];\n }\n\n return [];\n }\n\nlet childProcess =
null;\n\nexport function getValidFilePath(\n maybeRelativePath: string,\n absoluteProjectRoots: Array<string>,\n):
string | null {\n // We use relative paths at Facebook with deterministic builds.\n // This is why our internal tooling
calls React DevTools with absoluteProjectRoots.\n // If the filename is absolute then we don't need to care about
this.\n if (isAbsolute(maybeRelativePath)) {\n if (existsSync(maybeRelativePath)) {\n return
maybeRelativePath;\n } \n } else {\n for (let i = 0; i < absoluteProjectRoots.length; i++) {\n const projectRoot
= absoluteProjectRoots[i];\n const joinedPath = join(projectRoot, maybeRelativePath);\n if
(existsSync(joinedPath)) {\n return joinedPath;\n } \n } \n }\n\nreturn null;\n }\n\nexport function
doesFilePathExist(\n maybeRelativePath: string,\n absoluteProjectRoots: Array<string>,\n): boolean {\n return
getValidFilePath(maybeRelativePath, absoluteProjectRoots) !== null;\n }\n\nexport function launchEditor(\n
maybeRelativePath: string,\n lineNumber: number,\n absoluteProjectRoots: Array<string>,\n) {\n const filePath =
getValidFilePath(maybeRelativePath, absoluteProjectRoots);\n if (filePath === null) {\n return;\n }\n\n //
Sanitize lineNumber to prevent malicious use on win32\n // via:
https://github.com/nodejs/node/blob/c3bb4b1aa5e907d489619fb43d233c3336bfc03d/lib/child\_process.js#L333\n if
(lineNumber && isNaN(lineNumber)) {\n return;\n }\n\n const [editor, ...destructuredArgs] = guessEditor();\n if
(!editor) {\n return;\n }\n\n let args = destructuredArgs;\n\n if (lineNumber) {\n args =
args.concat(getArgumentsForLineNumber(editor, filePath, lineNumber));\n } else {\n args.push(filePath);\n }\n\n
if (childProcess && isTerminalEditor(editor)) {\n // There's an existing editor process already and it's attached\n
// to the terminal, so go kill it. Otherwise two separate editor\n // instances attach to the stdin/stdout which gets
confusing.\n // $FlowFixMe[incompatible-use] found when upgrading Flow\n childProcess.kill('SIGKILL');\n
}\n\n if (process.platform === 'win32') {\n // On Windows, launch the editor in a shell because spawn can only\n

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// launch .exe files.\n  childProcess = spawn('cmd.exe', ['/C', editor].concat(args), {\n  stdio: 'inherit',\n  });\n }
else {\n  childProcess = spawn(editor, args, {stdio: 'inherit'});\n } \n childProcess.on('error', function () {});\n //
$FlowFixMe[compatible-use] found when upgrading Flow\n  childProcess.on('exit', function () {\n  childProcess
= null;\n  });\n }\n", "/*\n * Install the hook on window, which is an event emitter.\n * Note: this global hook
__REACT_DEVTOOLS_GLOBAL_HOOK__ is a de facto public API.\n * It's especially important to avoid
creating direct dependency on the DevTools Backend.\n * That's why we still inline the whole event emitter
implementation,\n * the string format implementation, and part of the console implementation here.\n * \n * @flow\n
*/\n\nimport type {BrowserTheme} from './types';\nimport type {\n  DevToolsHook,\n  Handler,\n
ReactRenderer,\n  RendererID,\n  RendererInterface,\n  DevToolsBackend,\n } from './backend/types';\n\ndeclare var
window: any;\n\nexport function installHook(target: any): DevToolsHook | null {\n  if
(target.hasOwnProperty('__REACT_DEVTOOLS_GLOBAL_HOOK__')) {\n  return null;\n  }\n\n  let
targetConsole: Object = console;\n  let targetConsoleMethods: {[string]: $FlowFixMe} = {};\n  for (const method in
console) {\n  targetConsoleMethods[method] = console[method];\n  }\n\n  function
dangerous_setTargetConsoleForTesting(\n  targetConsoleForTesting: Object,\n  ): void {\n  targetConsole =
targetConsoleForTesting;\n\n  targetConsoleMethods = ({\n  [string]: $FlowFixMe});\n  for (const method in
targetConsole) {\n  targetConsoleMethods[method] = console[method];\n  }\n  }\n\n  function
detectReactBuildType(renderer: ReactRenderer) {\n  try {\n  if (typeof renderer.version === 'string') {\n  //
React DOM Fiber (16+)\n  if (renderer.bundleType > 0) {\n  // This is not a production build.\n  // We
are currently only using 0 (PROD) and 1 (DEV)\n  // but might add 2 (PROFILE) in the future.\n  return
'development';\n  }\n\n  // React 16 uses flat bundles. If we report the bundle as production\n  // version, it
means we also minified and envified it ourselves.\n  return 'production';\n  // Note: There is still a risk that
the CommonJS entry point has not\n  // been envified or uglified. In this case the user would have *both*\n
// development and production bundle, but only the prod one would run.\n  // This would be really bad. We have
a separate check for this because\n  // it happens *outside* of the renderer injection. See `checkDCE` below.\n
}\n\n  // $FlowFixMe[method-unbinding]\n  const toString = Function.prototype.toString;\n  if
(renderer.Mount && renderer.Mount._renderNewRootComponent) {\n  // React DOM Stack\n  const
renderRootCode = toString.call(\n  renderer.Mount._renderNewRootComponent,\n  );\n  // Filter out
bad results (if that is even possible):\n  if (renderRootCode.indexOf('function') !== 0) {\n  // Hope for the
best if we're not sure.\n  return 'production';\n  }\n  // Check for React DOM Stack < 15.1.0 in
development.\n  // If it contains `storedMeasure` call, it's wrapped in ReactPerf (DEV only).\n  // This
would be true even if it's minified, as method name still matches.\n  if
(renderRootCode.indexOf('storedMeasure') !== -1) {\n  return 'development';\n  }\n  // For other
versions (and configurations) it's not so easy.\n  // Let's quickly exclude proper production builds.\n  // If it
contains a warning message, it's either a DEV build,\n  // or an PROD build without proper dead code
elimination.\n  if (renderRootCode.indexOf('should be a pure function') !== -1) {\n  // Now how do we tell
a DEV build from a bad PROD build?\n  // If we see NODE_ENV, we're going to assume this is a dev build\n
// because most likely it is referring to an empty shim.\n  if (renderRootCode.indexOf('NODE_ENV') !== -
1) {\n  return 'development';\n  }\n  // If we see `development`, we're dealing with an envified
DEV build\n  // (such as the official React DEV UMD).\n  if (renderRootCode.indexOf('development')
!== -1) {\n  return 'development';\n  }\n  // I've seen process.env.NODE_ENV !== 'production'
being smartly\n  // replaced by `true` in DEV by Webpack. I don't know how that\n  // works but we can
safely guard against it because `true` was\n  // never used in the function source since it was written.\n  if
(renderRootCode.indexOf('true') !== -1) {\n  return 'development';\n  }\n  // By now either it is a
production build that has not been minified,\n  // or (worse) this is a minified development build using non-
standard\n  // environment (e.g. `staging`). We're going to look at whether\n  // the function argument
name is mangled:\n  if (\n  // 0.13 to 15\n  renderRootCode.indexOf('nextElement') !== -1 ||\n
// 0.12\n  renderRootCode.indexOf('nextComponent') !== -1\n  ) {\n  // We can't be certain
whether this is a development build or not,\n  // but it is definitely unminified.\n  return 'unminified';\n
}

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    } else {\n      // This is likely a minified development build.\n      return 'development';\n    }\n  }\n  // By now we know that it's envified and dead code elimination worked,\n  // but what if it's still not minified?\n  (Is this even possible?)\n  // Let's check matches for the first argument name.\n  if (\n    // 0.13 to 15\n    renderRootCode.indexOf('nextElement') !== -1 ||\n    // 0.12\n    renderRootCode.indexOf('nextComponent') !== -1\n  ) {\n    return 'unminified';\n  }\n  // Seems like we're using the production version.\n  // However, the branch above is Stack-only so this is 15 or earlier.\n  return 'outdated';\n} catch (err) {\n  // Weird environments may exist.\n  // This code needs a higher fault tolerance\n  // because it runs even with closed DevTools.\n  // TODO: should we catch errors in all injected code, and not just this part?\n} return 'production';\n}\n\nfunction checkDCE(fn: Function) {\n  // This runs for production versions of React.\n  // Needs to be super safe.\n  try {\n    // $FlowFixMe[method-unbinding]\n    const toString = Function.prototype.toString;\n    const code = toString.call(fn);\n    // This is a string embedded in the passed function under DEV-only\n    // condition. However the function executes only in PROD. Therefore,\n    // if we see it, dead code elimination did not work.\n    if (code.indexOf('^_^') > -1) {\n      // Remember to report during next injection.\n      hasDetectedBadDCE = true;\n      // Bonus: throw an exception hoping that it gets picked up by a reporting system.\n      // Not synchronously so that it doesn't break the calling code.\n      setTimeout(function () {\n        throw new Error(\n          'React is running in production mode, but dead code ' +\n          'elimination has not been applied. Read how to correctly ' +\n          'configure React for production: ' +\n          'https://reactjs.org/link/perf-use-production-build',\n        );\n      });\n    }\n  } catch (err) {\n  }\n  // NOTE: KEEP IN SYNC with src/backend/utils.js\n  function formatWithStyles(\n    inputArgs: $ReadOnlyArray<any>,\n    style?: string,\n  ): $ReadOnlyArray<any> {\n    if (\n      inputArgs === undefined ||\n      inputArgs === null ||\n      inputArgs.length === 0 ||\n      // Matches any of %c but not %%c\n      (typeof inputArgs[0] === 'string' &&\n        inputArgs[0].match(/([^\]]*)(%c)/g)) ||\n      style === undefined\n    ) {\n      return inputArgs;\n    }\n    // Matches any of %(o|O|d|i|s|f), but not %% (o|O|d|i|s|f)\n    const REGEXP = /([^\]]*)(%([oO]d|i|s|f)))/g;\n    if (typeof inputArgs[0] === 'string' && inputArgs[0].match(REGEXP)) {\n      return ['%c${inputArgs[0]}', style, ...inputArgs.slice(1)];\n    } else {\n      const firstArg = inputArgs.reduce((formatStr, elem, i) => {\n        if (i > 0) {\n          formatStr += ' ';\n        }\n        switch (typeof elem) {\n          case 'string':\n          case 'boolean':\n          case 'symbol':\n            return (formatStr += '%s');\n          case 'number':\n            const formatting = Number.isInteger(elem) ? '%i' : '%f';\n            return (formatStr += formatting);\n          default:\n            return (formatStr += '%o');\n        }\n      }, '%c');\n      return [firstArg, style, ...inputArgs];\n    }\n  }\n  let unpatchFn = null;\n  // NOTE: KEEP IN SYNC with src/backend/console.js:patchForStrictMode\n  // This function hides or dims console logs during the initial double renderer\n  // in Strict Mode. We need this function because during initial render,\n  // React and DevTools are connecting and the renderer interface isn't available\n  // and we want to be able to have consistent logging behavior for double logs\n  // during the initial renderer.\n  function patchConsoleForInitialRenderInStrictMode({\n    hideConsoleLogsInStrictMode,\n    browserTheme,\n  }): {\n    hideConsoleLogsInStrictMode: boolean,\n    browserTheme: BrowserTheme,\n  }) {\n    const overrideConsoleMethods = [\n      'error',\n      'group',\n      'groupCollapsed',\n      'info',\n      'log',\n      'trace',\n      'warn',\n    ];\n    if (unpatchFn !== null) {\n      // Don't patch twice.\n      return;\n    }\n    const originalConsoleMethods: {[string]: $FlowFixMe} = {};\n    unpatchFn = () => {\n      for (const method in originalConsoleMethods) {\n        try {\n          targetConsole[method] = originalConsoleMethods[method];\n        } catch (error) {\n        }\n      }\n    };\n    overrideConsoleMethods.forEach(method => {\n      try {\n        const originalMethod = (originalConsoleMethods[method] = targetConsole[method]);\n        targetConsole[method].__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__ =\n          targetConsole[method];\n        const overrideMethod = (...args: $ReadOnlyArray<any>) => {\n          if (!hideConsoleLogsInStrictMode) {\n            // Dim the text color of the double logs if we're not\n            // hiding them.\n            let color;\n            switch (method) {\n              case 'warn':\n                color =\n                  browserTheme === 'light'\n                    ? process.env.LIGHT_MODE_DIMMED_WARNING_COLOR\n
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: process.env.DARK_MODE_DIMMED_WARNING_COLOR;\n          break;\n          case 'error':\n            color =\n              browserTheme === 'light'\n                ?\nprocess.env.LIGHT_MODE_DIMMED_ERROR_COLOR\n          :\nprocess.env.DARK_MODE_DIMMED_ERROR_COLOR;\n          break;\n          case 'log':\n            default:\n              color =\n                browserTheme === 'light'\n                  ?\nprocess.env.LIGHT_MODE_DIMMED_LOG_COLOR\n          :\nprocess.env.DARK_MODE_DIMMED_LOG_COLOR;\n          break;\n          }\n          if (color) {\n            originalMethod(...formatWithStyles(args, `color: ${color}`));\n          } else {\n            throw Error('Console color\n            is not defined');\n          }\n        }\n      }\n    }\n  }\n  overrideMethod.__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__ =\n    originalMethod;\n  overrideMethod.__REACT_DEVTOOLS_STRICT_MODE_OVERRIDE_METHOD__ =\n    originalMethod;\n  overrideMethod;\n  targetConsole[method] = overrideMethod;\n} catch (error) {\n}\n});\n}\n}\n\n//\nNOTE: KEEP IN SYNC with src/backend/console.js:unpatchForStrictMode\nfunction\nunpatchConsoleForInitialRenderInStrictMode() {\n  if (unpatchFn !== null) {\n    unpatchFn();\n    unpatchFn =\n    null;\n  }\n}\nlet uidCounter = 0;\nfunction inject(renderer: ReactRenderer) {\n  const id =\n  ++uidCounter;\n  renderers.set(id, renderer);\n  const reactBuildType = hasDetectedBadDCE\n  ?\n  'deadcode'\n  : detectReactBuildType(renderer);\n  // Patching the console enables DevTools to do a few useful\n  things:\n  // * Append component stacks to warnings and error messages\n  // * Disabling or marking logs during\n  a double render in Strict Mode\n  // * Disable logging during re-renders to inspect hooks (see\n  inspectHooksOffFiber)\n  //\n  // Allow patching console early (during injection) to\n  // provide developers with\n  components stacks even if they don't run DevTools.\n  if\n  (target.hasOwnProperty('__REACT_DEVTOOLS_CONSOLE_FUNCTIONS__')) {\n    const\n    {registerRendererWithConsole, patchConsoleUsingWindowValues} =\n    target.__REACT_DEVTOOLS_CONSOLE_FUNCTIONS__;\n    if (\n      typeof registerRendererWithConsole\n      === 'function' &&\n      typeof patchConsoleUsingWindowValues === 'function'\n    ) {\n      registerRendererWithConsole(renderer);\n      patchConsoleUsingWindowValues();\n    }\n  }\n  // If we have\n  just reloaded to profile, we need to inject the renderer interface before the app loads.\n  // Otherwise the renderer\n  won't yet exist and we can skip this step.\n  const attach = target.__REACT_DEVTOOLS_ATTACH__;\n  if\n  (typeof attach === 'function') {\n    const rendererInterface = attach(hook, id, renderer, target);\n    hook.rendererInterfaces.set(id, rendererInterface);\n  }\n  hook.emit('renderer', {\n    id,\n    renderer,\n    reactBuildType,\n  });\n  return id;\n}\nlet hasDetectedBadDCE = false;\nfunction sub(event: string, fn:\n  Handler) {\n  hook.on(event, fn);\n  return () => hook.off(event, fn);\n}\nfunction on(event: string, fn:\n  Handler) {\n  if (!listeners[event]) {\n    listeners[event] = [];\n  }\n  listeners[event].push(fn);\n}\nfunction\n  off(event: string, fn: Handler) {\n  if (!listeners[event]) {\n    return;\n  }\n  const index =\n  listeners[event].indexOf(fn);\n  if (index !== -1) {\n    listeners[event].splice(index, 1);\n  }\n  if\n  (!listeners[event].length) {\n    delete listeners[event];\n  }\n}\nfunction emit(event: string, data: any) {\n  if\n  (listeners[event]) {\n    listeners[event].map(fn => fn(data));\n  }\n}\nfunction\n  getFiberRoots(rendererID:\n  RendererID) {\n  const roots = fiberRoots;\n  if (!roots[rendererID]) {\n    roots[rendererID] = new Set();\n  }\n  return\n  roots[rendererID];\n}\nfunction\n  onCommitFiberUnmount(rendererID: RendererID, fiber: any) {\n  const\n  rendererInterface = rendererInterfaces.get(rendererID);\n  if (rendererInterface !== null) {\n   \n    rendererInterface.handleCommitFiberUnmount(fiber);\n  }\n}\nfunction\n  onCommitFiberRoot(\n  rendererID:\n  RendererID,\n  root: any,\n  priorityLevel: void | number,\n) {\n  const\n  mountedRoots =\n  hook.getFiberRoots(rendererID);\n  const\n  current = root.current;\n  const\n  isKnownRoot =\n  mountedRoots.has(root);\n  const\n  isUnmounting =\n  current.memoizedState === null ||\n  current.memoizedState.element === null;\n  // Keep track of mounted roots so we can hydrate when DevTools\n  connect.\n  if (!isKnownRoot && !isUnmounting) {\n    mountedRoots.add(root);\n  } else if (isKnownRoot &&\n  isUnmounting) {\n    mountedRoots.delete(root);\n  }\n  const\n  rendererInterface =\n  rendererInterfaces.get(rendererID);\n  if (rendererInterface !== null) {\n

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rendererInterface.handleCommitFiberRoot(root, priorityLevel);\n  }\n }\n\n function
onPostCommitFiberRoot(rendererID: RendererID, root: any) {\n  const rendererInterface =
rendererInterfaces.get(rendererID);\n  if (rendererInterface != null) {\n
rendererInterface.handlePostCommitFiberRoot(root);\n  }\n }\n\n function setStrictMode(rendererID:
RendererID, isStrictMode: any) {\n  const rendererInterface = rendererInterfaces.get(rendererID);\n  if
(rendererInterface != null) {\n    if (isStrictMode) {\n      rendererInterface.patchConsoleForStrictMode();\n    }
else {\n      rendererInterface.unpatchConsoleForStrictMode();\n    }\n  } else {\n    // This should only happen
during initial render in the extension before DevTools\n    // finishes its handshake with the injected renderer\n
if (isStrictMode) {\n      const hideConsoleLogsInStrictMode =\nwindow.__REACT_DEVTOOLS_HIDE_CONSOLE_LOGS_IN_STRICT_MODE__ === true;\n      const
browserTheme = window.__REACT_DEVTOOLS_BROWSER_THEME__;\n      patchConsoleForInitialRenderInStrictMode({\n        hideConsoleLogsInStrictMode,\n        browserTheme,\n
});\n    } else {\n      unpatchConsoleForInitialRenderInStrictMode();\n    }\n  }\n }\n\n type StackFrameString
= string;\n\n const openModuleRangesStack: Array<StackFrameString> = [];\n const moduleRanges:
Array<[StackFrameString, StackFrameString]> = [];\n\n function getTopStackFrameString(error: Error):
StackFrameString | null {\n  const frames = error.stack.split("\\n");\n  const frame = frames.length > 1 ? frames[1] :
null;\n  return frame;\n }\n\n function getInternalModuleRanges(): Array<\n  [StackFrameString,
StackFrameString],\n > {\n  return moduleRanges;\n }\n\n function registerInternalModuleStart(error: Error) {\n
const startStackFrame = getTopStackFrameString(error);\n  if (startStackFrame !== null) {\n
openModuleRangesStack.push(startStackFrame);\n  }\n }\n\n function registerInternalModuleStop(error: Error)
{\n  if (openModuleRangesStack.length > 0) {\n    const startStackFrame = openModuleRangesStack.pop();\n
const stopStackFrame = getTopStackFrameString(error);\n    if (stopStackFrame !== null) {\n
moduleRanges.push([startStackFrame, stopStackFrame]);\n    }\n  }\n }\n\n // TODO: More meaningful names
for \"rendererInterfaces\" and \"renderers\".\n const fiberRoots: {[RendererID]: Set<mixed>} = {};\n const
rendererInterfaces = new Map<RendererID, RendererInterface>();\n const listeners: {[string]: Array<Handler>} =
{};\n const renderers = new Map<RendererID, ReactRenderer>();\n const backends = new Map<string,
DevToolsBackend>();\n\n const hook: DevToolsHook = {\n  rendererInterfaces,\n  listeners,\n\n backends,\n\n
// Fast Refresh for web relies on this.\n  renderers,\n\n emit,\n  getFiberRoots,\n  inject,\n  on,\n  off,\n
sub,\n\n // This is a legacy flag.\n  // React v16 checks the hook for this to ensure DevTools is new enough.\n
supportsFiber: true,\n\n // React calls these methods.\n  checkDCE,\n  onCommitFiberUnmount,\n
onCommitFiberRoot,\n  onPostCommitFiberRoot,\n  setStrictMode,\n\n // Schedule Profiler runtime helpers.\n
// These internal React modules to report their own boundaries\n  // which in turn enables the profiler to dim or
filter internal frames.\n  getInternalModuleRanges,\n  registerInternalModuleStart,\n
registerInternalModuleStop,\n  };\n\n if (__TEST__) {\n  hook.dangerous_setTargetConsoleForTesting =\n
dangerous_setTargetConsoleForTesting;\n }\n\n Object.defineProperty(\n  target,\n
'__REACT_DEVTOOLS_GLOBAL_HOOK__',\n  ({\n    // This property needs to be configurable for the test
environment,\n    // else we won't be able to delete and recreate it between tests.\n    configurable: __DEV__,\n
enumerable: false,\n    get() {\n      return hook;\n    },\n    ): Object),\n  );\n\n return hook;\n }\n\n \"/*\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\n import {createElement} from
'react';\n import {flushSync} from 'react-dom';\n import {createRoot} from 'react-dom/client';\n import Bridge from
'react-devtools-shared/src/bridge';\n import Store from 'react-devtools-shared/src/devtools/store';\n import {\n
getAppendComponentStack,\n  getBreakOnConsoleErrors,\n  getSavedComponentFilters,\n
getShowInlineWarningsAndErrors,\n  getHideConsoleLogsInStrictMode,\n } from 'react-devtools-
shared/src/utils';\n import {registerDevToolsEventLogger} from 'react-devtools-
shared/src/registerDevToolsEventLogger';\n import {Server} from 'ws';\n import {join} from 'path';\n import
{readFileSync} from 'fs';\n import {installHook} from 'react-devtools-shared/src/hook';\n import DevTools from
'react-devtools-shared/src/devtools/views/DevTools';\n import {doesFilePathExist, launchEditor} from

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./editor';\nimport {\n  __DEBUG__,\n  LOCAL_STORAGE_DEFAULT_TAB_KEY,\n} from 'react-devtools-shared/src/constants';\nimport {localStorageSetItem} from 'react-devtools-shared/src/storage';\nimport type {FrontendBridge} from 'react-devtools-shared/src/bridge';\nimport type {InspectedElement} from 'react-devtools-shared/src/devtools/views/Components/types';\n\ninstallHook(window);\n\nexport type StatusTypes = 'server-connected' | 'devtools-connected' | 'error';\nexport type StatusListener = (message: string, status: StatusTypes) => void;\nexport type OnDisconnectedCallback = () => void;\n\nlet node: HTMLInputElement = (null: any): HTMLInputElement);\nlet nodeWaitingToConnectHTML: string = '';\nlet projectRoots: Array<string> = [];\nlet statusListener: StatusListener = (\n  message: string,\n  status?: StatusTypes,\n) => {};\nlet disconnectedCallback: OnDisconnectedCallback = () => {};\n\n// TODO (Webpack 5) Hopefully we can remove this prop after the Webpack 5 migration.\nfunction hookNamesModuleLoaderFunction() {\n  return import(\n    /* webpackChunkName: 'parseHookNames' */ 'react-devtools-shared/src/hooks/parseHookNames'\n  );\n}\n\nfunction setContentDOMNode(value: HTMLInputElement): typeof DevtoolsUI {\n  node = value;\n  // Save so we can restore the exact waiting message between sessions.\n  nodeWaitingToConnectHTML = node.innerHTML;\n  return DevtoolsUI;\n}\n\nfunction setProjectRoots(value: Array<string>) {\n  projectRoots = value;\n}\n\nfunction setStatusListener(value: StatusListener): typeof DevtoolsUI {\n  statusListener = value;\n  return DevtoolsUI;\n}\n\nfunction setDisconnectedCallback(\n  value: OnDisconnectedCallback,\n): typeof DevtoolsUI {\n  disconnectedCallback = value;\n  return DevtoolsUI;\n}\n\nlet bridge: FrontendBridge | null = null;\nlet store: Store | null = null;\nlet root = null;\n\nconst log = (...args: Array<mixed>) => console.log('[React DevTools]', ...args);\nlog.warn = (...args: Array<mixed>) => console.warn('[React DevTools]', ...args);\nlog.error = (...args: Array<mixed>) =>\n  console.error('[React DevTools]', ...args);\n\nfunction debug(methodName: string, ...args: Array<mixed>) {\n  if (__DEBUG__) {\n    console.log(\n      `%c[core/standalone] %c${methodName}`,\n      'color: teal; font-weight: bold;',\n      'font-weight: bold;',\n      ...args,\n    );\n  }\n}\n\nfunction safeUnmount() {\n  flushSync(() => {\n    if (root !== null) {\n      root.unmount();\n      root = null;\n    }\n  });\n}\n\nfunction reload() {\n  safeUnmount();\n  node.innerHTML = '';\n  setTimeout(() => {\n    root = createRoot(node);\n    root.render(\n      createElement(DevTools, {\n        bridge: ((bridge: any): FrontendBridge),\n        canViewElementSourceFunction,\n        hookNamesModuleLoaderFunction,\n        showTabBar: true,\n        store: ((store: any): Store),\n        warnIfLegacyBackendDetected: true,\n        viewElementSourceFunction,\n      }),\n    );\n  }, 100);\n}\n\nfunction canViewElementSourceFunction(\n  inspectedElement: InspectedElement,\n): boolean {\n  if (\n    inspectedElement.canViewSource === false ||\n    inspectedElement.source === null\n  ) {\n    return false;\n  }\n  const {source} = inspectedElement;\n  return doesFilePathExist(source.fileName, projectRoots);\n}\n\nfunction viewElementSourceFunction(\n  id: number,\n  inspectedElement: InspectedElement,\n): void {\n  const {source} = inspectedElement;\n  if (source !== null) {\n    launchEditor(source.fileName, source.lineNumber, projectRoots);\n  } else {\n    log.error('Cannot inspect element', id);\n  }\n}\n\nfunction onDisconnected() {\n  safeUnmount();\n  node.innerHTML = nodeWaitingToConnectHTML;\n  disconnectedCallback();\n}\n\n// $FlowFixMe[missing-local-annot]\nfunction onError({code, message}: $FlowFixMe) {\n  safeUnmount();\n  if (code === 'EADDRINUSE') {\n    node.innerHTML = `\n    <div class="box">\n      <div class="box-header">\n        Another instance of DevTools is running.\n      </div>\n      <div class="box-content">\n        Only one copy of DevTools can be used at a time.\n      </div>\n    </div>\n  `;\n  } else {\n    node.innerHTML = `\n    <div class="box">\n      <div class="box-header">\n        Unknown error\n      </div>\n      <div class="box-content">\n        ${message}\n      </div>\n    </div>\n  `;\n  }\n}\n\nfunction openProfiler() {\n  // Mocked up bridge and store to allow the DevTools to be rendered\n  bridge = new Bridge({listen: () => {}, send: () => {}});\n  store = new Store(bridge, {});\n  // Ensure the Profiler tab is shown initially.\n  localStorageSetItem(\n    LOCAL_STORAGE_DEFAULT_TAB_KEY,\n    JSON.stringify('profiler'),\n  );\n  reload();\n}\n\nfunction initialize(socket: WebSocket) {\n  const listeners = [];\n  socket.onmessage = event => {\n    let data;\n    try {\n      if (typeof event.data === 'string') {\n        data = JSON.parse(event.data);\n        if (__DEBUG__) {\n          debug('WebSocket.onmessage', data);\n        }\n      } else {\n        throw Error();\n      }\n    } catch (e) {\n      log.error('Failed to parse JSON', event.data);\n      return;\n    }\n    listeners.forEach(fn => {\n      try {\n

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fn(data);\n    } catch (error) {\n      log.error('Error calling listener', data);\n      throw error;\n    }\n  });\n};\n\nbridge = new Bridge({\n  listen(fn) {\n    listeners.push(fn);\n    return () => {\n      const index =\n        listeners.indexOf(fn);\n      if (index >= 0) {\n        listeners.splice(index, 1);\n      }\n    },\n  },\n  send(event:\n    string, payload: any, transferable?: Array<any>) {\n    if (socket.readyState === socket.OPEN) {\n      socket.send(JSON.stringify({event, payload}));\n    }\n  },\n});\n\n((bridge: any):\n  FrontendBridge).addListener('shutdown', () => {\n  socket.close();\n});\n\n// $FlowFixMe[incompatible-call]\nfound when upgrading Flow\nstore = new Store(bridge, {\n  checkBridgeProtocolCompatibility: true,\n  supportsNativeInspection: true,\n  supportsTraceUpdates: true,\n});\n\nlog('Connected');\n\nstatusListener('DevTools initialized.', 'devtools-connected');\nreload();\n\nlet startServerTimeoutID: TimeoutID\n| null = null;\n\nfunction connectToSocket(socket: WebSocket): {close(): void} {\n  socket.onerror = err => {\n    onDisconnected();\n    log.error('Error with websocket connection', err);\n  };\n  socket.onclose = () => {\n    onDisconnected();\n    log('Connection to RN closed');\n  };\n  initialize(socket);\n\n  return {\n    close: function ()\n      {\n        onDisconnected();\n      },\n  };\n}\n\ntype ServerOptions = {\n  key?: string,\n  cert?: string,\n};\n\ntype\n  LoggerOptions = {\n  surface?: ?string,\n};\n\nfunction startServer(\n  port?: number = 8097,\n  host?: string =\n  'localhost',\n  httpsOptions?: ServerOptions,\n  loggerOptions?: LoggerOptions,\n): {close(): void} {\n  registerDevToolsEventLogger(loggerOptions?.surface ?? 'standalone');\n\n  const useHttps = !!httpsOptions;\n\n  const httpServer = useHttps\n    ? require('https').createServer(httpsOptions)\n    : require('http').createServer();\n\n  const server = new Server({server: httpServer});\n  let connected: WebSocket | null = null;\n\n  server.on('connection',\n    (socket: WebSocket) => {\n    if (connected !== null) {\n      connected.close();\n      log.warn(\n        'Only one\n        connection allowed at a time.',\n        'Closing the previous connection',\n      );\n    }\n\n    connected = socket;\n\n    socket.onerror = error => {\n      connected = null;\n      onDisconnected();\n      log.error('Error with websocket\n        connection', error);\n    };\n\n    socket.onclose = () => {\n      connected = null;\n      onDisconnected();\n      log('Connection to RN closed');\n    };\n\n    initialize(socket);\n  });\n\n  server.on('error', (event: $FlowFixMe) => {\n    onError(event);\n    log.error('Failed to start the DevTools server', event);\n\n    startServerTimeoutID =\n      setTimeout(() => startServer(port), 1000);\n  });\n\n  httpServer.on('request', (request: $FlowFixMe, response:\n    $FlowFixMe) => {\n    // Serve a file that immediately sets up the connection.\n    const backendFile =\n      readFileSync(join(__dirname, 'backend.js'));\n\n    // The renderer interface doesn't read saved component filters\n    directly,\n    // because they are generally stored in localStorage within the context of the extension.\n    // Because of\n    this it relies on the extension to pass filters, so include them with the response here.\n    // This will ensure that saved\n    filters are shared across different web pages.\n    const savedPreferencesString = `\n\n    window.__REACT_DEVTOOLS_APPEND_COMPONENT_STACK__ = ${JSON.stringify(\n      getAppendComponentStack(),\n    )};\n\n    window.__REACT_DEVTOOLS_BREAK_ON_CONSOLE_ERRORS__ = ${JSON.stringify(\n      getBreakOnConsoleErrors(),\n    )};\n\n    window.__REACT_DEVTOOLS_COMPONENT_FILTERS__ =\n      ${JSON.stringify(\n        getSavedComponentFilters(),\n      )};\n\n    window.__REACT_DEVTOOLS_SHOW_INLINE_WARNINGS_AND_ERRORS__ = ${JSON.stringify(\n      getShowInlineWarningsAndErrors(),\n    )};\n\n    window.__REACT_DEVTOOLS_HIDE_CONSOLE_LOGS_IN_STRICT_MODE__ = ${JSON.stringify(\n      getHideConsoleLogsInStrictMode(),\n    )};\n\n    response.end(\n      savedPreferencesString +\n      '\n';\n      +\n      backendFile.toString() +\n      '\n';\n      +\n      `ReactDevToolsBackend.connectToDevTools({port: ${port}, host:\n        '${host}', useHttps: ${\n          useHttps ? 'true' : 'false'\n        }});`,\n    );\n  });\n\n  httpServer.on('error', (event:\n    $FlowFixMe) => {\n    onError(event);\n    statusListener('Failed to start the server.', 'error');\n\n    startServerTimeoutID = setTimeout(() => startServer(port), 1000);\n  });\n\n  httpServer.listen(port, () => {\n    statusListener(\n      'The server is listening on the port ' + port + '!',\n      'server-connected',\n    );\n  });\n\n  return\n    {\n      close: function () {\n        connected = null;\n        onDisconnected();\n        if (startServerTimeoutID !== null) {\n          clearTimeout(startServerTimeoutID);\n        }\n        server.close();\n        httpServer.close();\n      },\n    };\n}\n\nconst\n  DevtoolsUI = {\n  connectToSocket,\n  setContentDOMNode,\n  setProjectRoots,\n  setStatusListener,\n  setDisconnectedCallback,\n  startServer,\n  openProfiler,\n};\n\nexport default DevtoolsUI;\n", "sourceRoot": ""}

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Found in path(s):

* /opt/cola/permits/1653802149_1682447902.7673888/0/react-devtools-core-4-27-6-tgz/package/dist/standalone.js.map

No license file was found, but licenses were detected in source scan.

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,GAAQ,CACZ+H,iBA AkBd,EA AkBvD,QACpCsE,YAAaZ,EA Aa1D,QAC1BuE,cAAeZ,EA Ae3D,SA EhC7F,EA
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A2BC,EAAMC,GAC/B,IAAKD,EAAM,OAAO,EAGIB,GA AiB,oBAFAA,EA AKE,KAGpB,YAAoB,IAATD,IAG
F,EA AIc,EA AcpC,SA ASyE,EAAMC,GAI5C,OAAO,GApTTvK,EAAQyK,uBAuTR,SA AgCH,EAAMC,GACpC,
IAAKD,EAAM,OAAO,EAGIB,GA AiB,yBAFAA,EA AKE,KAGpB,YAAoB,IAATD,IAGF,EA AIc,EA AcpC,SA
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EAGIB,GA AiB,qBAFAA,EA AKE,KAGpB,YAAoB,IAATD,IAGF,EA AIc,EA AcpC,SA ASyE,EAAMC,GAI5C,O
AAO,GAhVTvK,EAAQ2K,uBA mVR,SA AgCL,EAAMC,GACpC,IAAKD,EAAM,OAAO,EAGIB,GA AiB,yBAFA
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B,GA AiB,mBAFAA,EA AKE,KAGpB,YAAoB,IAATD,IAGF,EA AIc,EA AcpC,SA ASyE,EAAMC,GAI5C,OAA
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AM7I,GACFA,EAAMb,KAGf1IC,EAASylC,MAAQA,G,gBCrHjB,IAAI/oC,EAASqI,EAAQ,IACjBkrC,EAAYlrC
,EAAQ,KACpBmrC,EAAiBnrC,EAAQ,KAOzBorC,EA AiBzzC,EAASA,EA AOC,iBA AckrC,EAkbnDnsC,EA AO
D,QATP,SAAoBmB,GACIB,OAAa,MAATA,OACeirC,IAAVjrC,EA Dq,qBADL,gBAiBJuzC,GA AkBA,KA AkB9
zC,OAAOO,GAC/CqzC,EA AUrzC,GACVszC,EA AetzC,K,6BCtBrBP,OAAOC,eAAeb,EAAS,aAAc,CAC3CmB,
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B,KAGIB,IAAIs1B,EAAM,GACV,IAAS/nG,EAAI,EAAGswG,GAAUtwG,EAAIkvh,EAAalvH,IACzC+nG,EAAI p8D,KAAK2kE,EAAOrvG,OACbBqvG,EAAS5IE,KAAK6IE,WAAWD,GAEZ,OAAXA,IACFA,EAAS5IE,KAAK 3IB,MAGZurF,IAAW5IE,KAAK6mE,MAAQjB,IAAW5IE,KAAK3IB,OAC1CurF,EAASA,EAAO3S,MAGIB,IAA S39F,EAAI,EAAGA,EAAIkD,UAAUuuB,OAAQzrC,IACpCswG,EAASie,EAAO7jF,KAAM4IE,EAAQpzF,UAAU ld,IAE1C,OAAO+nG,GAGTiH,EAAQptG,UAAUgrH,QAAU,WAG1B,IAFA,IAAIrb,EAAO7mE,KAAK6mE,KA CZxsF,EAAO2IB,KAAK3IB,KACPurF,EAASiB,EAAiB,OAAXjB,EAAiBA,EAASA,EAAO3S,KAAM,CAC7D,I AAI77F,EAAIwuG,EAAO3S,KACf2S,EAAO3S,KAAO2S,EAAO79B,KACrB69B,EAAO79B,KAAO3wE,EAIhB, OAFa4oC,KAAK6mE,KAAOxsF,EACZ2IB,KAAK3IB,KAAOwsF,EACL7mE,MA2DT,IAEEthC,EAAQ,IAARA ,CAAyB4IG,GACzB,MAAOmgB,M,6BCxaTpvH,EAAOD,QAAU,SAAUkvG,GACzBA,EAAQptG,UAAUb,OAA O+2F,UAAy,YACnC,IAAK,IAAIwY,EAAS5IE,KAAK6mE,KAAMjB,EAAQA,EAASA,EAAO79B,WAC7C69B, EAAOrvG,S,6BCFnBP,OAAOC,eAAeb,EAAS,aAAc,CAC3CmB,OAAO,IAETnB,EAAQ6F,aAAU,EAEIB,IAQg CoE,EAR5BopC,GAQ4BppC,EARGX,EAAQ,KAQUW,EAAI3I,WAAa2I,EAAM,CAAepE,QAASoE,GANnF7I, EAIJ,SAAiC6I,GAAO,GAAIA,GAAOA,EAAI3I,WAAc,OAAO2I,EAAO,GAAY,OAARA,GAA+B,iBAARA,GA AmC,mBAARA,EAASB,MAAO,CAAepE,QAASoE,GAAS,IAAI+/B,EAAQF,IAA4B,GAAIE,GAASA,EAAMC,I AAIhgC,GAAQ,OAAO+/B,EAAMjpc,IAAIkJ,GAAQ,IAAIigC,EAAS,GAAQC,EAawBvpC,OAAOC,gBAakBD ,OAAOwpC,yBAA0B,IAAK,IAAI3oC,KAAOwI,EAAO,GAAIrJ,OAAOkB,UAAUC,eAAe1B,KAAK4J,EAAKxI, GAAM,CAAe,IAAI4oC,EAAOF,EAawBvpC,OAAOwpC,yBAAyBngC,EAAKxI,GAAO,KAAU4oC,IAASA,EA AKtpC,KAAOspC,EAAKC,KAAQ1pC,OAAOC,eAAeqpC,EAAQzoC,EAAK4oC,GAAgBH,EAAOzoC,GAAOwI ,EAAIxI,GAAYyoC,EAAOrkC,QAAUoE,EAAS+/B,GAASA,EAAMM,IAAIrgC,EAAKigC,GAAW,OAAOA,EAJ ttBrB,CAAwbv/B,EAAQ,IAExC,SAASwgC,IAA6B,GAAuB,mBAAZC,QAAwB,OAAO,KAAM,IAAIC,EAAQ,I AAIID,QAAqE,OAAIDD,EAA2B,WAAc,OAAOE,GAAiBA,EAsIIlhc,EAAQ6F,QA9HR,MACE4kC,YAAYa,E AAO/gC,EAAMugC,EAAOG,GAC9BL,KAAK0kF,MAAQ,KACb1kF,KAAKK,WAAaA,EACIBL,KAAKU,MAA QA,EACbv,KAAKE,MAAQA,EACbF,KAAKrgC,KAAOA,EAGdglH,YAAYjIH,GACV,MAAMC,EAAOqgC,K AAKrgC,KACIB,GAAIA,EAAKwpC,OAASxpC,EAAKs/D,KAAM,OAAO,EACpC,GAAIt/D,EAAKD,EAAKE, MAAO,OAAO,EAC5B,MAAMd,EAAOtI,EAAEkM,c,aAAh9B,EAAKE,MACjC,KAAc,MAARd,OAAe,EAASA, EAAKiiC,QAAS,OAAO,EAEnD,IAAK,MAAMlqC,KAAOiI,EACHB,GAAIY,EAAK7I,GAAM,OAAO,EAGxB,O AAO,EAGTD,OAAO8I,EAAML,EAAKxI,EAAK0pC,GACrB,OAAOkI,EAAMxtC,QAAQ9E,IAAI,CACvBkqC, WAAYL,KAAKK,WACjBN,OAAQrgC,EACR4gC,UAAWjhC,EACXxI,IAAKA,EACL0pC,YAIJqkF,WAAW9jF, EAAM+jF,GACf,GAAI7kF,KAAK8kF,KACP,MAAM,IAAIInkF,MAAM,2BAGdX,KAAK0kF,QACHG,EACF7kF ,KAAK0kF,MAAMzjF,KAAKH,GAEhBd,KAAK+kF,cAAc9jF,KAAKH,IAK9BkkF,cAAc1kF,EAAWP,EAAQQ, GAC/B,GAAyB,IAArBD,EAAUS,OAAc,OAAO,EACnC,MAAM2jF,EAAQ,GAEd,IAAK,IAAI7tH,EAAM,EAA GA,EAAMypC,EAAUS,OAAQlqC,IAAO,CAC/C,MAAM6I,EAAO4gC,EAAUzpC,GAEnB6I,GAAQsgC,KAAK2 kF,YAAYjIH,IAC3BgIH,EAAMzjF,KAAKjB,KAAKppC,OAAOmpC,EAAQO,EAAWzpC,EAAK0pC,IAInD,OA AOP,KAAKilF,WAAWP,GAGzBQ,YAAYxIH,EAAM7I,GACHB,QAAImpC,KAAK2kF,YAAYjIH,EAAK7I,KA CjBmpC,KAAKilF,WAAW,CAACjIF,KAAKppC,OAAO8I,EAAMA,EAAM7I,KAMpDouH,WAAWP,GACT1kF, KAAK0kF,MAAQA,EACb1kF,KAAK+kF,cAAgB,GACrB,MAAMI,EAAU,GACHB,IAAIIn8E,GAAO,EAEX,IAA K,MAAMII,KAAQ4jF,EAOjB,GANA5jF,EAAKskF,SAEwB,IAAzBtkF,EAAKb,SAASc,QAAgBD,EAAKb,SAA Sa,EAAKb,SAASc,OAAS,KAAOf,MAC5Ec,EAAKukF,YAAYrIF,MAGF,OAAbc,EAAKjqC,OAMLsuH,EAAQvi F,QAAQ9B,EAAKphC,OAAS,GAAIC,CAGA,GAFAYlH,EAAQlkF,KAAKH,EAAKphC,MAEdohC,EAAKsI,QA AS,CACHBJ,GAAO,EACP,MAGF,GAAIHJ,KAAK+kF,cAAchkF,SACrBiI,EAAOhJ,KAAKilF,WAAWjIF,KAAK +kF,eAC5B/kF,KAAK+kF,cAAgB,GACrB/kF,KAAK0kF,MAAQA,EACT17E,GAAM,MAId,IAAK,MAAMII,KA AQ4jF,EACjB5jF,EAAKwkF,aAIP,OADAtIF,KAAK0kF,MAAQ,KACN17E,EAGTI,MAAM1pC,EAAM7I,GAC V,MAAMisG,EAAQpjG,EAAK7I,GACnB,QAAKisG,IAEDv9D,MAAMC,QAAQs9D,GACT9ie,KAAKglF,cAAc liB,EAAOpjG,EAAM7I,GAehCmpC,KAAKkIF,YAAYxIH,EAAM7I,O,6BCpIpC,IAEgCwI,EAPhCrJ,OAAOC,eA Aeb,EAAS,aAAc,CAC3CmB,OAAO,IAETnB,EAAQ6F,aAAU,EAOlB,IAAIgkB,GADqB,IAFO5f,EAfyBX,EAA Q,MAEZw,EAAI3I,WAAa2I,EAAM,CAAepE,QAASoE,IAE9BpE,SAAS,mBAEIE7F,EAAQ6F,QAAUgkB,G,6B CXIBjpB,OAAOC,eAAeb,EAAS,aAAc,CAC3CmB,OAAO,IAETnB,EAAQ6F,QAER,SAAqBsqH,GACnB,QAAS A,GAAW,SAAS3xG,KAAK2xG,K,6BCNpCvvh,OAAOC,eAAeb,EAAS,aAAc,CAC3CmB,OAAO,IAETnB,EAA

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AM+c,EAAQnP,YAAa/Y,KAAKy+C,YAAYz+C,KAAKu+C,gCAAGCznF,KAAKkpC,OAC/F,OAGFA,KAAK0o
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4B,CACjC,EACA,EACA,EACA,EACA,GAGGr+C,EA AI,EACC55F,EA AI,EAAGm8C,EA AQ,EAAGI7C,EA AQ,
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B,EAAoBn6H,EAsBtB,GAnBA66H,EAAMBhG,mBAAqBA,EACxCgG,EAAMBV,kBAAoBA,EACvCU,EAAMB/
F,yBAA2BA,EAC9C+F,EAAMB9F,2BACjBA,EAGoB,MAApB4F,GACAA,EAAiBnC,WAAW2B,KAe5B3B,GA
Aa,GASXA,EASF,cAWF,MAAM+C,EAAiBrB,EAA2B/yK,IAAIgzK,GACTD,GAAAsB,MAAIBoB,EAQFV,EAAM
BjG,kBAAoB2G,EAAe3G,kBACtDiG,EAAMBhG,mBACjB0G,EAAe1G,wBAEjB,IAGE,MAAMthG,EACjshG,E
AAMBjhI,QAAQ,SAAW,EAAI,OAAS,aAK/CghI,EAAoBzB,EACxB,EACA,IACetZH,gBAAMg1H,EAAoB,CAC
xB3tJ,WAAy,cACZmsD,QAAS,CAAC,MAAOE,MAGvBsnG,EAAMBjG,kBAAoBA,EAQvCsF,EAA2BxpI,IAAI
ypI,EAAMB,CACHdvF,oBACAC,uBAEF,MAAOv/H,GACP,MAAM,IAAI3D,MACP,gCAA+BwoI,wBACX7kI,
MANQ3BkmI,CACEIB,EACAe,IAIGrH,EAAYB,EAAMB,IAMvD,SACEkH,EACAG,GAEA,MAAM/hI,EAaiB,I
AAIqK,IAMe3B,OAjEAu3H,EAAU5hI,IAAIu7H,IAEZ,MAAMiH,EAaejH,EAakiH,WAE1B,IADiBA,EAAW7
mD,SAE1B,OAAO,KAGT,MAAMsmD,EAActE,EAAYB6E,GACvCJ,EAAGBL,EAAGCrzK,IAAIuzK,GAC/D,IA
AKG,EACH,OAAO,KAGT,MAAM,WAACHvD,EAAD,aAAawI,GAAGB4mD,EACnC,IAAKpvD,IAAewI,EACIB
,OAAO,KAGT,MAAM,kBACJ8ID,EADI,2BAEJpF,EAFI,yBAGJD,GACE+F,EA EJ,GAC8B,MAA5B/F,GAC8B,
MAA9BC,GACqB,MAArBoF,EAEA,OAAO,KAGT,IAAItzK,EACJ,MAAM,iBAAC8zK,GAAoBE,EACH,MAAp
BF,IACF9zK,EAAOssK,EAAYB,EAakC,IACHewH,EAAiBrC,YAA Y,CAC3BppH,KAAM4IH,EACN1IH,OAAQ
2IH,EACRprJ,OAAQwwJ,MAKF,MAARtzK,IACFA,EAAOssK,EAAYB,EAaiB,IAC/CwB,EACEX,EACA6G,EA
AMBjG,kBACjBiG,EAAMBhG,mBACnBC,EACFC,KASN,MAAMltK,EAAMuuK,EAAYB6E,GACrCxI,EA AI/H
,IAAI7oC,EAAKhB,KAGR4xC,EA5EHgjI,CAAcPb,EA AWG,OCvGIBkB,EDkaN,WACLxB,EAA2B3iE,QAC3B
yiE,EAA0BziE,S","file":"parseSourceAndMetadata.worker.worker.js","sourcesContent":[" \t// The module cache\n\n\tvar installedModules = {};\n\n\t// The require function\n\n\tfunction __webpack_require__(moduleId) {\n\n\t\t// Check if module is in cache\n\n\t\tif(installedModules[moduleId])\n\n\t\t\treturn\n\n\t\tinstalledModules[moduleId].exports;\n\n\t\t// Create a new module (and put it into the cache)\n\n\t\tvar module = installedModules[moduleId] = {\n\n\t\t\t__ti: moduleId,\n\n\t\t\t__tl: false,\n\n\t\t\t__texports: {};\n\n\t\t};\n\n\t\t// Execute the module function\n\n\t\tmodules[moduleId].call(module.exports, module, module.exports, __webpack_require__);\n\n\t\t// Flag the module as loaded\n\n\t\tmodule.l = true;\n\n\t\t// Return the exports of the module\n\n\t\treturn


```

    }
  });
  Object.defineProperty(exports, "cloneWithoutLoc", {
    enumerable: true,
    get: function () {
      return _cloneWithoutLoc.default;
    }
  });
  Object.defineProperty(exports, "addComment", {
    enumerable: true,
    get: function () {
      return _addComment.default;
    }
  });
  Object.defineProperty(exports, "addComments", {
    enumerable: true,
    get: function () {
      return _addComments.default;
    }
  });
  Object.defineProperty(exports, "inheritInnerComments", {
    enumerable: true,
    get: function () {
      return _inheritInnerComments.default;
    }
  });
  Object.defineProperty(exports, "inheritLeadingComments", {
    enumerable: true,
    get: function () {
      return _inheritLeadingComments.default;
    }
  });
  Object.defineProperty(exports, "inheritsComments", {
    enumerable: true,
    get: function () {
      return _inheritsComments.default;
    }
  });
  Object.defineProperty(exports, "inheritTrailingComments", {
    enumerable: true,
    get: function () {
      return _inheritTrailingComments.default;
    }
  });
  Object.defineProperty(exports, "removeComments", {
    enumerable: true,
    get: function () {
      return _removeComments.default;
    }
  });
  Object.defineProperty(exports, "ensureBlock", {
    enumerable: true,
    get: function () {
      return _ensureBlock.default;
    }
  });
  Object.defineProperty(exports, "toBindingIdentifierName", {
    enumerable: true,
    get: function () {
      return _toBindingIdentifierName.default;
    }
  });
  Object.defineProperty(exports, "toBlock", {
    enumerable: true,
    get: function () {
      return _toBlock.default;
    }
  });
  Object.defineProperty(exports, "toComputedKey", {
    enumerable: true,
    get: function () {
      return _toComputedKey.default;
    }
  });
  Object.defineProperty(exports, "toExpression", {
    enumerable: true,
    get: function () {
      return _toExpression.default;
    }
  });
  Object.defineProperty(exports, "toIdentifier", {
    enumerable: true,
    get: function () {
      return _toIdentifier.default;
    }
  });
  Object.defineProperty(exports, "toKeyAlias", {
    enumerable: true,
    get: function () {
      return _toKeyAlias.default;
    }
  });
  Object.defineProperty(exports, "toSequenceExpression", {
    enumerable: true,
    get: function () {
      return _toSequenceExpression.default;
    }
  });
  Object.defineProperty(exports, "toStatement", {
    enumerable: true,
    get: function () {
      return _toStatement.default;
    }
  });
  Object.defineProperty(exports, "valueToNode", {
    enumerable: true,
    get: function () {
      return _valueToNode.default;
    }
  });
  Object.defineProperty(exports, "appendToMemberExpression", {
    enumerable: true,
    get: function () {
      return _appendToMemberExpression.default;
    }
  });
  Object.defineProperty(exports, "inherits", {
    enumerable: true,
    get: function () {
      return _inherits.default;
    }
  });
  Object.defineProperty(exports, "prependToMemberExpression", {
    enumerable: true,
    get: function () {
      return _prependToMemberExpression.default;
    }
  });
  Object.defineProperty(exports, "removeProperties", {
    enumerable: true,
    get: function () {
      return _removeProperties.default;
    }
  });
  Object.defineProperty(exports, "removePropertiesDeep", {
    enumerable: true,
    get: function () {
      return _removePropertiesDeep.default;
    }
  });
  Object.defineProperty(exports, "removeTypeDuplicates", {
    enumerable: true,
    get: function () {
      return _removeTypeDuplicates.default;
    }
  });
  Object.defineProperty(exports, "getBindingIdentifiers", {
    enumerable: true,
    get: function () {
      return _getBindingIdentifiers.default;
    }
  });
  Object.defineProperty(exports, "getOuterBindingIdentifiers", {
    enumerable: true,
    get: function () {
      return _getOuterBindingIdentifiers.default;
    }
  });
  Object.defineProperty(exports, "traverse", {
    enumerable: true,
    get: function () {
      return _traverse.default;
    }
  });
  Object.defineProperty(exports, "traverseFast", {
    enumerable: true,
    get: function () {
      return _traverseFast.default;
    }
  });
  Object.defineProperty(exports, "shallowEqual", {
    enumerable: true,
    get: function () {
      return _shallowEqual.default;
    }
  });
  Object.defineProperty(exports, "is", {
    enumerable: true,
    get: function () {
      return _is.default;
    }
  });
  Object.defineProperty(exports, "isBinding", {
    enumerable: true,
    get: function () {
      return _isBinding.default;
    }
  });
  Object.defineProperty(exports, "isBlockScoped", {
    enumerable: true,
    get: function () {
      return _isBlockScoped.default;
    }
  });
  Object.defineProperty(exports, "isImmutable", {
    enumerable: true,
    get: function () {
      return _isImmutable.default;
    }
  });
  Object.defineProperty(exports, "isLet", {
    enumerable: true,
    get: function () {
      return _isLet.default;
    }
  });
  Object.defineProperty(exports, "isNode", {
    enumerable: true,
    get: function () {
      return _isNode.default;
    }
  });
  Object.defineProperty(exports, "isNodesEquivalent", {
    enumerable: true,
    get: function () {
      return _isNodesEquivalent.default;
    }
  });

```



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    });\nObject.defineProperty(exports, \"isPlaceholderType\", {\n enumerable: true,\n get: function () {\n return
_isPlaceholderType.default;\n }\n});\nObject.defineProperty(exports, \"isReferenced\", {\n enumerable: true,\n
get: function () {\n return _isReferenced.default;\n }\n});\nObject.defineProperty(exports, \"isScope\", {\n
enumerable: true,\n get: function () {\n return _isScope.default;\n }\n});\nObject.defineProperty(exports,
\"isSpecifierDefault\", {\n enumerable: true,\n get: function () {\n return _isSpecifierDefault.default;\n
}\n});\nObject.defineProperty(exports, \"isType\", {\n enumerable: true,\n get: function () {\n return
_isType.default;\n }\n});\nObject.defineProperty(exports, \"isValidES3Identifier\", {\n enumerable: true,\n
get: function () {\n return _isValidES3Identifier.default;\n }\n});\nObject.defineProperty(exports, \"isValidIdentifier\",
{\n enumerable: true,\n get: function () {\n return _isValidIdentifier.default;\n
}\n});\nObject.defineProperty(exports, \"isVar\", {\n enumerable: true,\n get: function () {\n return
_isVar.default;\n }\n});\nObject.defineProperty(exports, \"matchesPattern\", {\n enumerable: true,\n
get: function () {\n return _matchesPattern.default;\n }\n});\nObject.defineProperty(exports, \"validate\", {\n
enumerable: true,\n get: function () {\n return _validate.default;\n }\n});\nObject.defineProperty(exports,
\"buildMatchMemberExpression\", {\n enumerable: true,\n get: function () {\n return
_buildMatchMemberExpression.default;\n }\n});\nexports.react = void 0;\n\nvar _isReactComponent =
_interopRequireDefault(require(\"./validators/react/isReactComponent\"));\n\nvar _isCompatTag =
_interopRequireDefault(require(\"./validators/react/isCompatTag\"));\n\nvar _buildChildren =
_interopRequireDefault(require(\"./builders/react/buildChildren\"));\n\nvar _assertNode =
_interopRequireDefault(require(\"./asserts/assertNode\"));\n\nvar _generated =
require(\"./asserts/generated\");\n\nObject.keys(_generated).forEach(function (key) {\n if (key === \"default\" || key
=== \"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key in
exports && exports[key] === _generated[key]) return;\n Object.defineProperty(exports, key, {\n enumerable:
true,\n get: function () {\n return _generated[key];\n }\n });\n});\n\nvar
_createTypeAnnotationBasedOnTypeof =
_interopRequireDefault(require(\"./builders/flow/createTypeAnnotationBasedOnTypeof\"));\n\nvar
_createFlowUnionType = _interopRequireDefault(require(\"./builders/flow/createFlowUnionType\"));\n\nvar
_createTSUnionType = _interopRequireDefault(require(\"./builders/typescript/createTSUnionType\"));\n\nvar
_generated2 = require(\"./builders/generated\");\n\nObject.keys(_generated2).forEach(function (key) {\n if (key
=== \"default\" || key === \"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames,
key)) return;\n if (key in exports && exports[key] === _generated2[key]) return;\n Object.defineProperty(exports,
key, {\n enumerable: true,\n get: function () {\n return _generated2[key];\n }\n });\n});\n\nvar _cloneNode =
_interopRequireDefault(require(\"./clone/cloneNode\"));\n\nvar _clone =
_interopRequireDefault(require(\"./clone/clone\"));\n\nvar _cloneDeep =
_interopRequireDefault(require(\"./clone/cloneDeep\"));\n\nvar _cloneDeepWithoutLoc =
_interopRequireDefault(require(\"./clone/cloneDeepWithoutLoc\"));\n\nvar _cloneWithoutLoc =
_interopRequireDefault(require(\"./clone/cloneWithoutLoc\"));\n\nvar _addComment =
_interopRequireDefault(require(\"./comments/addComment\"));\n\nvar _addComments =
_interopRequireDefault(require(\"./comments/addComments\"));\n\nvar _inheritInnerComments =
_interopRequireDefault(require(\"./comments/inheritInnerComments\"));\n\nvar _inheritLeadingComments =
_interopRequireDefault(require(\"./comments/inheritLeadingComments\"));\n\nvar _inheritsComments =
_interopRequireDefault(require(\"./comments/inheritsComments\"));\n\nvar _inheritTrailingComments =
_interopRequireDefault(require(\"./comments/inheritTrailingComments\"));\n\nvar _removeComments =
_interopRequireDefault(require(\"./comments/removeComments\"));\n\nvar _generated3 =
require(\"./constants/generated\");\n\nObject.keys(_generated3).forEach(function (key) {\n if (key === \"default\" ||
key === \"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key
in exports && exports[key] === _generated3[key]) return;\n Object.defineProperty(exports, key, {\n enumerable:
true,\n get: function () {\n return _generated3[key];\n }\n });\n});\n\nvar _constants =
require(\"./constants\");\n\nObject.keys(_constants).forEach(function (key) {\n if (key === \"default\" || key ===

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\"__esModule\") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key in
exports && exports[key] === _constants[key]) return;\n Object.defineProperty(exports, key, {\n  enumerable:
true,\n  get: function () {\n    return _constants[key];\n  }\n});\n\nvar _ensureBlock =
_interopRequireDefault(require(\"./converters/ensureBlock\"));\n\nvar _toBindingIdentifierName =
_interopRequireDefault(require(\"./converters/toBindingIdentifierName\"));\n\nvar _toBlock =
_interopRequireDefault(require(\"./converters/toBlock\"));\n\nvar _toComputedKey =
_interopRequireDefault(require(\"./converters/toComputedKey\"));\n\nvar _toExpression =
_interopRequireDefault(require(\"./converters/toExpression\"));\n\nvar _toIdentifier =
_interopRequireDefault(require(\"./converters/toIdentifier\"));\n\nvar _toKeyAlias =
_interopRequireDefault(require(\"./converters/toKeyAlias\"));\n\nvar _toSequenceExpression =
_interopRequireDefault(require(\"./converters/toSequenceExpression\"));\n\nvar _toStatement =
_interopRequireDefault(require(\"./converters/toStatement\"));\n\nvar _valueToNode =
_interopRequireDefault(require(\"./converters/valueToNode\"));\n\nvar _definitions =
require(\"./definitions\");\n\nObject.keys(_definitions).forEach(function (key) {\n  if (key === \"default\" || key ===
\"__esModule\") return;\n  if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n  if (key in
exports && exports[key] === _definitions[key]) return;\n  Object.defineProperty(exports, key, {\n    enumerable:
true,\n    get: function () {\n      return _definitions[key];\n    }\n  });\n\n  var _appendToMemberExpression =
_interopRequireDefault(require(\"./modifications/appendToMemberExpression\"));\n\n  var _inherits =
_interopRequireDefault(require(\"./modifications/inherits\"));\n\n  var _prependToMemberExpression =
_interopRequireDefault(require(\"./modifications/prependToMemberExpression\"));\n\n  var _removeProperties =
_interopRequireDefault(require(\"./modifications/removeProperties\"));\n\n  var _removePropertiesDeep =
_interopRequireDefault(require(\"./modifications/removePropertiesDeep\"));\n\n  var _removeTypeDuplicates =
_interopRequireDefault(require(\"./modifications/flow/removeTypeDuplicates\"));\n\n  var _getBindingIdentifiers =
_interopRequireDefault(require(\"./retrievers/getBindingIdentifiers\"));\n\n  var _getOuterBindingIdentifiers =
_interopRequireDefault(require(\"./retrievers/getOuterBindingIdentifiers\"));\n\n  var _traverse =
_interopRequireDefault(require(\"./traverse/traverse\"));\n\n  var _traverseFast =
_interopRequireDefault(require(\"./traverse/traverseFast\"));\n\n  var _shallowEqual =
_interopRequireDefault(require(\"./utils/shallowEqual\"));\n\n  var _is =
_interopRequireDefault(require(\"./validators/is\"));\n\n  var _isBinding =
_interopRequireDefault(require(\"./validators/isBinding\"));\n\n  var _isBlockScoped =
_interopRequireDefault(require(\"./validators/isBlockScoped\"));\n\n  var _isImmutable =
_interopRequireDefault(require(\"./validators/isImmutable\"));\n\n  var _isLet =
_interopRequireDefault(require(\"./validators/isLet\"));\n\n  var _isNode =
_interopRequireDefault(require(\"./validators/isNode\"));\n\n  var _isNodesEquivalent =
_interopRequireDefault(require(\"./validators/isNodesEquivalent\"));\n\n  var _isPlaceholderType =
_interopRequireDefault(require(\"./validators/isPlaceholderType\"));\n\n  var _isReferenced =
_interopRequireDefault(require(\"./validators/isReferenced\"));\n\n  var _isScope =
_interopRequireDefault(require(\"./validators/isScope\"));\n\n  var _isSpecifierDefault =
_interopRequireDefault(require(\"./validators/isSpecifierDefault\"));\n\n  var _isType =
_interopRequireDefault(require(\"./validators/isType\"));\n\n  var _isValidES3Identifier =
_interopRequireDefault(require(\"./validators/isValidES3Identifier\"));\n\n  var _isValidIdentifier =
_interopRequireDefault(require(\"./validators/isValidIdentifier\"));\n\n  var _isVar =
_interopRequireDefault(require(\"./validators/isVar\"));\n\n  var _matchesPattern =
_interopRequireDefault(require(\"./validators/matchesPattern\"));\n\n  var _validate =
_interopRequireDefault(require(\"./validators/validate\"));\n\n  var _buildMatchMemberExpression =
_interopRequireDefault(require(\"./validators/buildMatchMemberExpression\"));\n\n  var _generated4 =
require(\"./validators/generated\");\n\n  Object.keys(_generated4).forEach(function (key) {\n    if (key === \"default\" ||
key === \"__esModule\") return;\n    if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n    if (key

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in exports && exports[key] === _generated4[key]) return;\n
Object.defineProperty(exports, key, {\n
enumerable:
true,\n
get: function () {\n
return _generated4[key];\n
}\n
});\n\nfunction _interopRequireDefault(obj) {\n
return obj && obj.__esModule ? obj : { default: obj }; }\n\nconst react = {\n
isReactComponent:
_isReactComponent.default,\n
isCompatTag: _isCompatTag.default,\n
buildChildren:
_buildChildren.default\n};\n\nexports.react = react;","\"use strict\";\n\nObject.defineProperty(exports,
\"__esModule\", {\n
value: true\n});\n\nexports.isArrayExpression =
isArrayExpression;\n\nexports.isAssignmentExpression = isAssignmentExpression;\n\nexports.isBinaryExpression =
isBinaryExpression;\n\nexports.isInterpreterDirective = isInterpreterDirective;\n\nexports.isDirective =
isDirective;\n\nexports.isDirectiveLiteral = isDirectiveLiteral;\n\nexports.isBlockStatement =
isBlockStatement;\n\nexports.isBreakStatement = isBreakStatement;\n\nexports.isCallExpression =
isCallExpression;\n\nexports.isCatchClause = isCatchClause;\n\nexports.isConditionalExpression =
isConditionalExpression;\n\nexports.isContinueStatement = isContinueStatement;\n\nexports.isDebuggerStatement =
isDebuggerStatement;\n\nexports.isDoWhileStatement = isDoWhileStatement;\n\nexports.isEmptyStatement =
isEmptyStatement;\n\nexports.isExpressionStatement = isExpressionStatement;\n\nexports.isFile =
isFile;\n\nexports.isForInStatement = isForInStatement;\n\nexports.isForStatement =
isForStatement;\n\nexports.isFunctionDeclaration = isFunctionDeclaration;\n\nexports.isFunctionExpression =
isFunctionExpression;\n\nexports.isIdentifier = isIdentifier;\n\nexports.isIfStatement =
isIfStatement;\n\nexports.isLabeledStatement = isLabeledStatement;\n\nexports.isStringLiteral =
isStringLiteral;\n\nexports.isNumericLiteral = isNumericLiteral;\n\nexports.isNullLiteral =
isNullLiteral;\n\nexports.isBooleanLiteral = isBooleanLiteral;\n\nexports.isRegExpLiteral =
isRegExpLiteral;\n\nexports.isLogicalExpression = isLogicalExpression;\n\nexports.isMemberExpression =
isMemberExpression;\n\nexports.isNewExpression = isNewExpression;\n\nexports.isProgram =
isProgram;\n\nexports.isObjectExpression = isObjectExpression;\n\nexports.isObjectMethod =
isObjectMethod;\n\nexports.isObjectProperty = isObjectProperty;\n\nexports.isRestElement =
isRestElement;\n\nexports.isReturnStatement = isReturnStatement;\n\nexports.isSequenceExpression =
isSequenceExpression;\n\nexports.isParenthesizedExpression = isParenthesizedExpression;\n\nexports.isSwitchCase =
isSwitchCase;\n\nexports.isSwitchStatement = isSwitchStatement;\n\nexports.isThisExpression =
isThisExpression;\n\nexports.isThrowStatement = isThrowStatement;\n\nexports.isTryStatement =
isTryStatement;\n\nexports.isUnaryExpression = isUnaryExpression;\n\nexports.isUpdateExpression =
isUpdateExpression;\n\nexports.isVariableDeclaration = isVariableDeclaration;\n\nexports.isVariableDeclarator =
isVariableDeclarator;\n\nexports.isWhileStatement = isWhileStatement;\n\nexports.isWithStatement =
isWithStatement;\n\nexports.isAssignmentPattern = isAssignmentPattern;\n\nexports.isArrayPattern =
isArrayPattern;\n\nexports.isArrowFunctionExpression = isArrowFunctionExpression;\n\nexports.isClassBody =
isClassBody;\n\nexports.isClassExpression = isClassExpression;\n\nexports.isClassDeclaration =
isClassDeclaration;\n\nexports.isExportAllDeclaration = isExportAllDeclaration;\n\nexports.isExportDefaultDeclaration =
isExportDefaultDeclaration;\n\nexports.isExportNamedDeclaration =
isExportNamedDeclaration;\n\nexports.isExportSpecifier = isExportSpecifier;\n\nexports.isForOfStatement =
isForOfStatement;\n\nexports.isImportDeclaration = isImportDeclaration;\n\nexports.isImportDefaultSpecifier =
isImportDefaultSpecifier;\n\nexports.isImportNamespaceSpecifier =
isImportNamespaceSpecifier;\n\nexports.isImportSpecifier = isImportSpecifier;\n\nexports.isMetaProperty =
isMetaProperty;\n\nexports.isClassMethod = isClassMethod;\n\nexports.isObjectPattern =
isObjectPattern;\n\nexports.isSpreadElement = isSpreadElement;\n\nexports.isSuper =
isSuper;\n\nexports.isTaggedTemplateExpression = isTaggedTemplateExpression;\n\nexports.isTemplateElement =
isTemplateElement;\n\nexports.isTemplateLiteral = isTemplateLiteral;\n\nexports.isYieldExpression =
isYieldExpression;\n\nexports.isAwaitExpression = isAwaitExpression;\n\nexports.isImport =
isImport;\n\nexports.isBigIntLiteral = isBigIntLiteral;\n\nexports.isExportNamespaceSpecifier =
isExportNamespaceSpecifier;\n\nexports.isOptionalMemberExpression =
isOptionalMemberExpression;\n\nexports.isOptionalCallExpression =

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isOptionalCallExpression;\nexports.isAnyTypeAnnotation =
isAnyTypeAnnotation;\nexports.isArrayTypeAnnotation =
isArrayTypeAnnotation;\nexports.isBooleanTypeAnnotation =
isBooleanTypeAnnotation;\nexports.isBooleanLiteralTypeAnnotation =
isBooleanLiteralTypeAnnotation;\nexports.isNullLiteralTypeAnnotation =
isNullLiteralTypeAnnotation;\nexports.isClassImplements = isClassImplements;\nexports.isDeclareClass =
isDeclareClass;\nexports.isDeclareFunction = isDeclareFunction;\nexports.isDeclareInterface =
isDeclareInterface;\nexports.isDeclareModule = isDeclareModule;\nexports.isDeclareModuleExports =
isDeclareModuleExports;\nexports.isDeclareTypeAlias = isDeclareTypeAlias;\nexports.isDeclareOpaqueType =
isDeclareOpaqueType;\nexports.isDeclareVariable = isDeclareVariable;\nexports.isDeclareExportDeclaration =
isDeclareExportDeclaration;\nexports.isDeclareExportAllDeclaration =
isDeclareExportAllDeclaration;\nexports.isDeclaredPredicate =
isDeclaredPredicate;\nexports.isExistsTypeAnnotation =
isExistsTypeAnnotation;\nexports.isFunctionTypeAnnotation =
isFunctionTypeAnnotation;\nexports.isFunctionTypeParam =
isFunctionTypeParam;\nexports.isGenericTypeAnnotation = isGenericTypeAnnotation;\nexports.isInferredPredicate
= isInferredPredicate;\nexports.isInterfaceExtends = isInterfaceExtends;\nexports.isInterfaceDeclaration =
isInterfaceDeclaration;\nexports.isInterfaceTypeAnnotation =
isInterfaceTypeAnnotation;\nexports.isIntersectionTypeAnnotation =
isIntersectionTypeAnnotation;\nexports.isMixedTypeAnnotation =
isMixedTypeAnnotation;\nexports.isEmptyTypeAnnotation =
isEmptyTypeAnnotation;\nexports.isNullableTypeAnnotation =
isNullableTypeAnnotation;\nexports.isNumberLiteralTypeAnnotation =
isNumberLiteralTypeAnnotation;\nexports.isNumberTypeAnnotation =
isNumberTypeAnnotation;\nexports.isObjectTypeAnnotation =
isObjectTypeAnnotation;\nexports.isObjectTypeInternalSlot =
isObjectTypeInternalSlot;\nexports.isObjectTypeCallProperty =
isObjectTypeCallProperty;\nexports.isObjectTypeIndexer = isObjectTypeIndexer;\nexports.isObjectTypeProperty =
isObjectTypeProperty;\nexports.isObjectTypeSpreadProperty =
isObjectTypeSpreadProperty;\nexports.isOpaqueType = isOpaqueType;\nexports.isQualifiedTypeIdentifier =
isQualifiedTypeIdentifier;\nexports.isStringLiteralTypeAnnotation =
isStringLiteralTypeAnnotation;\nexports.isStringTypeAnnotation =
isStringTypeAnnotation;\nexports.isSymbolTypeAnnotation =
isSymbolTypeAnnotation;\nexports.isThisTypeAnnotation =
isThisTypeAnnotation;\nexports.isTupleTypeAnnotation =
isTupleTypeAnnotation;\nexports.isTypeofTypeAnnotation = isTypeofTypeAnnotation;\nexports.isTypeAlias =
isTypeAlias;\nexports.isTypeAnnotation = isTypeAnnotation;\nexports.isTypeCastExpression =
isTypeCastExpression;\nexports.isTypeParameter = isTypeParameter;\nexports.isTypeParameterDeclaration =
isTypeParameterDeclaration;\nexports.isTypeParameterInstantiation =
isTypeParameterInstantiation;\nexports.isUnionTypeAnnotation = isUnionTypeAnnotation;\nexports.isVariance =
isVariance;\nexports.isVoidTypeAnnotation = isVoidTypeAnnotation;\nexports.isEnumDeclaration =
isEnumDeclaration;\nexports.isEnumBooleanBody = isEnumBooleanBody;\nexports.isEnumNumberBody =
isEnumNumberBody;\nexports.isEnumStringBody = isEnumStringBody;\nexports.isEnumSymbolBody =
isEnumSymbolBody;\nexports.isEnumBooleanMember =
isEnumBooleanMember;\nexports.isEnumNumberMember =
isEnumNumberMember;\nexports.isEnumStringMember =
isEnumStringMember;\nexports.isEnumDefaultedMember =
isEnumDefaultedMember;\nexports.isIndexedAccessType =

isIndexedAccessType;\nextports.isOptionalIndexedAccessType =
isOptionalIndexedAccessType;\nextports.isJSXAttribute = isJSXAttribute;\nextports.isJSXClosingElement =
isJSXClosingElement;\nextports.isJSXElement = isJSXElement;\nextports.isJSXEmptyExpression =
isJSXEmptyExpression;\nextports.isJSXExpressionContainer =
isJSXExpressionContainer;\nextports.isJSXSpreadChild = isJSXSpreadChild;\nextports.isJSXIdentifier =
isJSXIdentifier;\nextports.isJSXMemberExpression = isJSXMemberExpression;\nextports.isJSXNamespacedName =
isJSXNamespacedName;\nextports.isJSXOpeningElement = isJSXOpeningElement;\nextports.isJSXSpreadAttribute
= isJSXSpreadAttribute;\nextports.isJSXText = isJSXText;\nextports.isJSXFragment =
isJSXFragment;\nextports.isJSXOpeningFragment = isJSXOpeningFragment;\nextports.isJSXClosingFragment =
isJSXClosingFragment;\nextports.isNoop = isNoop;\nextports.isPlaceholder =
isPlaceholder;\nextports.isV8IntrinsicIdentifier = isV8IntrinsicIdentifier;\nextports.isArgumentPlaceholder =
isArgumentPlaceholder;\nextports.isBindExpression = isBindExpression;\nextports.isClassProperty =
isClassProperty;\nextports.isPipelineTopicExpression = isPipelineTopicExpression;\nextports.isPipelineBareFunction
= isPipelineBareFunction;\nextports.isPipelinePrimaryTopicReference =
isPipelinePrimaryTopicReference;\nextports.isClassPrivateProperty =
isClassPrivateProperty;\nextports.isClassPrivateMethod = isClassPrivateMethod;\nextports.isImportAttribute =
isImportAttribute;\nextports.isDecorator = isDecorator;\nextports.isDoExpression =
isDoExpression;\nextports.isExportDefaultSpecifier = isExportDefaultSpecifier;\nextports.isPrivateName =
isPrivateName;\nextports.isRecordExpression = isRecordExpression;\nextports.isTupleExpression =
isTupleExpression;\nextports.isDecimalLiteral = isDecimalLiteral;\nextports.isStaticBlock =
isStaticBlock;\nextports.isModuleExpression = isModuleExpression;\nextports.isTSParameterProperty =
isTSParameterProperty;\nextports.isTSDeclareFunction = isTSDeclareFunction;\nextports.isTSDeclareMethod =
isTSDeclareMethod;\nextports.isTSQualifiedName = isTSQualifiedName;\nextports.isTSCallSignatureDeclaration =
isTSCallSignatureDeclaration;\nextports.isTSConstructSignatureDeclaration =
isTSConstructSignatureDeclaration;\nextports.isTSPropertySignature =
isTSPropertySignature;\nextports.isTSMethodSignature = isTSMethodSignature;\nextports.isTSIndexSignature =
isTSIndexSignature;\nextports.isTSAnyKeyword = isTSAnyKeyword;\nextports.isTSBooleanKeyword =
isTSBooleanKeyword;\nextports.isTSBigIntKeyword = isTSBigIntKeyword;\nextports.isTSIntrinsicKeyword =
isTSIntrinsicKeyword;\nextports.isTSNeverKeyword = isTSNeverKeyword;\nextports.isTSNullKeyword =
isTSNullKeyword;\nextports.isTSNumberKeyword = isTSNumberKeyword;\nextports.isTSObjectKeyword =
isTSObjectKeyword;\nextports.isTSStringKeyword = isTSStringKeyword;\nextports.isTSSymbolKeyword =
isTSSymbolKeyword;\nextports.isTSUndefinedKeyword =
isTSUndefinedKeyword;\nextports.isTSUnknownKeyword = isTSUnknownKeyword;\nextports.isTSVoidKeyword =
isTSVoidKeyword;\nextports.isTSThisType = isTSThisType;\nextports.isTSFunctionType =
isTSFunctionType;\nextports.isTSConstructorType = isTSConstructorType;\nextports.isTSTypeReference =
isTSTypeReference;\nextports.isTSTypePredicate = isTSTypePredicate;\nextports.isTSTypeQuery =
isTSTypeQuery;\nextports.isTSTypeLiteral = isTSTypeLiteral;\nextports.isTSArrayType =
isTSArrayType;\nextports.isTSTupleType = isTSTupleType;\nextports.isTSOptionalType =
isTSOptionalType;\nextports.isTSRestType = isTSRestType;\nextports.isTSNamedTupleMember =
isTSNamedTupleMember;\nextports.isTSUnionType = isTSUnionType;\nextports.isTSIntersectionType =
isTSIntersectionType;\nextports.isTSConditionalType = isTSConditionalType;\nextports.isTSInferType =
isTSInferType;\nextports.isTSParenthesizedType = isTSParenthesizedType;\nextports.isTSTypeOperator =
isTSTypeOperator;\nextports.isTSIndexedAccessType = isTSIndexedAccessType;\nextports.isTSMappedType =
isTSMappedType;\nextports.isTSLiteralType = isTSLiteralType;\nextports.isTSExpressionWithTypeArguments =
isTSExpressionWithTypeArguments;\nextports.isTSInterfaceDeclaration =
isTSInterfaceDeclaration;\nextports.isTSInterfaceBody = isTSInterfaceBody;\nextports.isTSTypeAliasDeclaration =
isTSTypeAliasDeclaration;\nextports.isTSAsExpression = isTSAsExpression;\nextports.isTSTypeAssertion =
isTSTypeAssertion;\nextports.isTSEnumDeclaration = isTSEnumDeclaration;\nextports.isTSEnumMember =

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isTSEnumMember;\nextports.isTSMModuleDeclaration = isTSMModuleDeclaration;\nextports.isTSMModuleBlock =
isTSMModuleBlock;\nextports.isTSImportType = isTSImportType;\nextports.isTSImportEqualsDeclaration =
isTSImportEqualsDeclaration;\nextports.isTSExternalModuleReference =
isTSExternalModuleReference;\nextports.isTSNonNullExpression =
isTSNonNullExpression;\nextports.isTSExportAssignment =
isTSExportAssignment;\nextports.isTSNamespaceExportDeclaration =
isTSNamespaceExportDeclaration;\nextports.isTSTypeAnnotation =
isTSTypeAnnotation;\nextports.isTSTypeParameterInstantiation =
isTSTypeParameterInstantiation;\nextports.isTSTypeParameterDeclaration =
isTSTypeParameterDeclaration;\nextports.isTSTypeParameter = isTSTypeParameter;\nextports.isExpression =
isExpression;\nextports.isBinary = isBinary;\nextports.isScopable = isScopable;\nextports.isBlockParent =
isBlockParent;\nextports.isBlock = isBlock;\nextports.isStatement = isStatement;\nextports.isTerminatorless =
isTerminatorless;\nextports.isCompletionStatement = isCompletionStatement;\nextports.isConditional =
isConditional;\nextports.isLoop = isLoop;\nextports.isWhile = isWhile;\nextports.isExpressionWrapper =
isExpressionWrapper;\nextports.isFor = isFor;\nextports.isForXStatement = isForXStatement;\nextports.isFunction =
isFunction;\nextports.isFunctionParent = isFunctionParent;\nextports.isPureish = isPureish;\nextports.isDeclaration =
isDeclaration;\nextports.isPatternLike = isPatternLike;\nextports.isLVal = isLVal;\nextports.isTSEntityName =
isTSEntityName;\nextports.isLiteral = isLiteral;\nextports.isImmutable = isImmutable;\nextports.isUserWhitespacable
= isUserWhitespacable;\nextports.isMethod = isMethod;\nextports.isObjectMember =
isObjectMember;\nextports.isProperty = isProperty;\nextports.isUnaryLike = isUnaryLike;\nextports.isPattern =
isPattern;\nextports.isClass = isClass;\nextports.isModuleDeclaration =
isModuleDeclaration;\nextports.isExportDeclaration = isExportDeclaration;\nextports.isModuleSpecifier =
isModuleSpecifier;\nextports.isFlow = isFlow;\nextports.isFlowType = isFlowType;\nextports.isFlowBaseAnnotation
= isFlowBaseAnnotation;\nextports.isFlowDeclaration = isFlowDeclaration;\nextports.isFlowPredicate =
isFlowPredicate;\nextports.isEnumBody = isEnumBody;\nextports.isEnumMember =
isEnumMember;\nextports.isJSX = isJSX;\nextports.isPrivate = isPrivate;\nextports.isTSTypeElement =
isTSTypeElement;\nextports.isTSType = isTSType;\nextports.isTSBaseType =
isTSBaseType;\nextports.isNumberLiteral = isNumberLiteral;\nextports.isRegexLiteral =
isRegexLiteral;\nextports.isRestProperty = isRestProperty;\nextports.isSpreadProperty = isSpreadProperty;\n\nvar
_shallowEqual = require("../utils/shallowEqual");\n\nfunction isArrayExpression(node, opts) {\n if (!node)
return false;\n const nodeType = node.type;\n\n if (nodeType === "ArrayExpression") {\n if (typeof opts ===
"undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isAssignmentExpression(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === "AssignmentExpression") {\n if (typeof opts === "undefined") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isBinaryExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
"BinaryExpression") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isInterpreterDirective(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "InterpreterDirective") {\n if
(typeof opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isDirective(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === "Directive") {\n if (typeof opts === "undefined") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isDirectiveLiteral(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
"DirectiveLiteral") {\n if (typeof opts === "undefined") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isBlockStatement(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === "BlockStatement") {\n if (typeof
opts === "undefined") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n

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return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nfunction isForOfStatement(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ForOfStatement\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isImportDeclaration(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"ImportDeclaration\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isImportDefaultSpecifier(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"ImportDefaultSpecifier\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isImportNamespaceSpecifier(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"ImportNamespaceSpecifier\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isImportSpecifier(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"ImportSpecifier\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isMetaProperty(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"MetaProperty\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isClassMethod(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"ClassMethod\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isObjectPattern(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"ObjectPattern\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isSpreadElement(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"SpreadElement\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isSuper(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"Super\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTaggedTemplateExpression(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"TaggedTemplateExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTemplateElement(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TemplateElement\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isTemplateLiteral(node, opts) {\n if (!node) return false;\n const nodeType
= node.type;\n\n if (nodeType === \"TemplateLiteral\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isYieldExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"YieldExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isAwaitExpression(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"AwaitExpression\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n
}\n\n return false;\n}\n\nfunction isImport(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"Import\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isBigIntLiteral(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"BigIntLiteral\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isExportNamespaceSpecifier(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"ExportNamespaceSpecifier\") {\n if (typeof opts ===

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(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"JSXElement\") {\n   if (typeof opts\n   === \"undefined\") {\n     return true;\n   } else {\n     return (0, _shallowEqual.default)(node, opts);\n   }\n }\n\n return false;\n}\n\nfunction isJSXEmptyExpression(node, opts) {\n  if (!node) return false;\n  const nodeType =\n  node.type;\n\n  if (nodeType === \"JSXEmptyExpression\") {\n    if (typeof opts === \"undefined\") {\n      return\n      true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction\n  isJSXExpressionContainer(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType\n  === \"JSXExpressionContainer\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return\n      (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isJSXSpreadChild(node, opts) {\n  if\n  (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"JSXSpreadChild\") {\n    if (typeof\n    opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isJSXIdentifier(node, opts) {\n  if (!node) return false;\n  const nodeType =\n  node.type;\n\n  if (nodeType === \"JSXIdentifier\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }\n  }\n  else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n}\n\n return false;\n}\n\nfunction\n  isJSXMemberExpression(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType\n  === \"JSXMemberExpression\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return\n      (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isJSXNamespacedName(node,\n  opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"JSXNamespacedName\")\n  {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node,\n      opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isJSXOpeningElement(node, opts) {\n  if (!node) return false;\n  const\n  nodeType = node.type;\n\n  if (nodeType === \"JSXOpeningElement\") {\n    if (typeof opts ===\n    \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isJSXSpreadAttribute(node, opts) {\n  if (!node) return false;\n  const\n  nodeType =\n  node.type;\n\n  if (nodeType === \"JSXSpreadAttribute\") {\n    if (typeof opts === \"undefined\") {\n      return\n      true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction\n  isJSXText(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===\n  \"JSXText\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,\n      _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isJSXFragment(node, opts) {\n  if\n  (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"JSXFragment\") {\n    if (typeof opts\n    === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isJSXOpeningFragment(node, opts) {\n  if (!node) return false;\n  const\n  nodeType =\n  node.type;\n\n  if (nodeType === \"JSXOpeningFragment\") {\n    if (typeof opts === \"undefined\") {\n      return\n      true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction\n  isJSXClosingFragment(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType\n  === \"JSXClosingFragment\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return\n      (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isNoop(node, opts) {\n  if (!node)\n  return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"Noop\") {\n    if (typeof opts ===\n    \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isPlaceholder(node, opts) {\n  if (!node) return false;\n  const\n  nodeType =\n  node.type;\n\n  if (nodeType === \"Placeholder\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return\n      (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction\n  isV8IntrinsicIdentifier(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===\n  \"V8IntrinsicIdentifier\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,\n      _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isArgumentPlaceholder(node, opts)\n  {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"ArgumentPlaceholder\") {\n    if\n    (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isBindExpression(node, opts) {\n  if (!node) return false;\n  const\n  nodeType =\n  node.type;\n\n  if (nodeType === \"BindExpression\") {\n    if (typeof opts === \"undefined\") {\n      return\n      true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction

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isClassProperty(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
  \"ClassProperty\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
  _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isPipelineTopicExpression(node,
  opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
  \"PipelineTopicExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
  _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isPipelineBareFunction(node, opts)
  {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"PipelineBareFunction\") {\n if
  (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
  }\n }\n\n return false;\n}\n\nfunction isPipelinePrimaryTopicReference(node, opts) {\n if (!node) return false;\n
  const nodeType = node.type;\n\n if (nodeType === \"PipelinePrimaryTopicReference\") {\n if (typeof opts ===
  \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
  return false;\n}\n\nfunction isClassPrivateProperty(node, opts) {\n if (!node) return false;\n const nodeType =
  node.type;\n\n if (nodeType === \"ClassPrivateProperty\") {\n if (typeof opts === \"undefined\") {\n return
  true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
  isClassPrivateMethod(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
  \"ClassPrivateMethod\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
  _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isImportAttribute(node, opts) {\n if
  (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ImportAttribute\") {\n if (typeof
  opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n
  }\n\n return false;\n}\n\nfunction isDecorator(node, opts) {\n if (!node) return false;\n const nodeType =
  node.type;\n\n if (nodeType === \"Decorator\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else
  {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isDoExpression(node,
  opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"DoExpression\") {\n if
  (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
  }\n }\n\n return false;\n}\n\nfunction isExportDefaultSpecifier(node, opts) {\n if (!node) return false;\n
  const nodeType = node.type;\n\n if (nodeType === \"ExportDefaultSpecifier\") {\n if (typeof opts ===
  \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
  return false;\n}\n\nfunction isPrivateName(node, opts) {\n if (!node) return false;\n const nodeType =
  node.type;\n\n if (nodeType === \"PrivateName\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
  else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
  isRecordExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
  \"RecordExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
  _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isTupleExpression(node, opts) {\n
  if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"TupleExpression\") {\n if
  (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
  opts);\n }\n }\n\n return false;\n}\n\nfunction isDecimalLiteral(node, opts) {\n if (!node) return false;\n
  const nodeType = node.type;\n\n if (nodeType === \"DecimalLiteral\") {\n if (typeof opts === \"undefined\")
  {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n
  }\n\n function isStaticBlock(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
  (nodeType === \"StaticBlock\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
  (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isModuleExpression(node,
  opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ModuleExpression\")
  {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
  opts);\n }\n }\n\n return false;\n}\n\nfunction isTSPParameterProperty(node, opts) {\n if (!node) return
  false;\n const nodeType = node.type;\n\n if (nodeType === \"TSPParameterProperty\") {\n if (typeof opts ===
  \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
  return false;\n}\n\nfunction isTSDeclareFunction(node, opts) {\n if (!node) return false;\n const nodeType =
  node.type;\n\n if (nodeType === \"TSDeclareFunction\") {\n if (typeof opts === \"undefined\") {\n return
  true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\n

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=== \"TSUndefinedKeyword\") {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return
(0, _shallowEqual.default)(node, opts);\n  }\n}\n\nreturn false;\n}\n\nfunction isTSUnknownKeyword(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSUnknownKeyword\")
{\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node,
opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSVoidKeyword(node, opts) {\n  if (!node) return false;\n  const
nodeType = node.type;\n\n  if (nodeType === \"TSVoidKeyword\") {\n    if (typeof opts === \"undefined\") {\n
return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return
false;\n}\n\nfunction isTSThisType(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if
(nodeType === \"TSThisType\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return
(0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSFunctionType(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSFunctionType\") {\n    if (typeof
opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n
}\n\n  return false;\n}\n\nfunction isTSConstructorType(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"TSConstructorType\") {\n    if (typeof opts === \"undefined\") {\n      return
true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isTSTypeReference(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSTypeReference\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSTypePredicate(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSTypePredicate\") {\n    if (typeof
opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n
}\n\n  return false;\n}\n\nfunction isTSTypeQuery(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"TSTypeQuery\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isTSTypeLiteral(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSTypeLiteral\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSArrayType(node, opts) {\n  if
(!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSArrayType\") {\n    if (typeof opts
=== \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n
}\n\n  return false;\n}\n\nfunction isTSTupleType(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"TSTupleType\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isTSOptionalType(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSOptionalType\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSRestType(node, opts) {\n  if
(!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSRestType\") {\n    if (typeof opts
=== \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n
}\n\n  return false;\n}\n\nfunction isTSNamedTupleMember(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"TSNamedTupleMember\") {\n    if (typeof opts === \"undefined\") {\n      return
true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isTSUnionType(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSUnionType\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSIntersectionType(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSIntersectionType\") {\n    if
(typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n
}\n  }\n\n  return false;\n}\n\nfunction isTSConditionalType(node, opts) {\n  if (!node) return false;\n  const
nodeType = node.type;\n\n  if (nodeType === \"TSConditionalType\") {\n    if (typeof opts === \"undefined\") {\n
return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return
false;\n}\n\nfunction isTSInferType(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if

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(nodeType === \"TSInferType\") {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return
(0, _shallowEqual.default)(node, opts);\n  }\n}\n\nreturn false;\n}\n\nfunction isTSParenthesizedType(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSParenthesizedType\")
{\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node,
opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSTypeOperator(node, opts) {\n  if (!node) return false;\n  const
nodeType = node.type;\n\n  if (nodeType === \"TSTypeOperator\") {\n    if (typeof opts === \"undefined\") {\n
return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return
false;\n}\n\nfunction isTSIndexedAccessType(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"TSIndexedAccessType\") {\n    if (typeof opts === \"undefined\") {\n      return
true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isTSMappedType(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSMappedType\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSLiteralType(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSLiteralType\") {\n    if (typeof
opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n
}\n  }\n\n  return false;\n}\n\nfunction isTSExpressionWithTypeArguments(node, opts) {\n  if (!node) return false;\n
const nodeType = node.type;\n\n  if (nodeType === \"TSExpressionWithTypeArguments\") {\n    if (typeof opts ===
\"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n
}\n\n  return false;\n}\n\nfunction isTSInterfaceDeclaration(node, opts) {\n  if (!node) return false;\n  const
nodeType = node.type;\n\n  if (nodeType === \"TSInterfaceDeclaration\") {\n    if (typeof opts === \"undefined\") {\n
return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isTSInterfaceBody(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSInterfaceBody\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSTypeAliasDeclaration(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSTypeAliasDeclaration\")
{\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node,
opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSAsExpression(node, opts) {\n  if (!node) return false;\n
const nodeType = node.type;\n\n  if (nodeType === \"TSAsExpression\") {\n    if (typeof opts === \"undefined\") {\n
return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isTSTypeAssertion(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSTypeAssertion\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isTSEnumDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSEnumDeclaration\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSEnumMember(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSEnumMember\") {\n    if (typeof
opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n
}\n  }\n\n  return false;\n}\n\nfunction isTSModuleDeclaration(node, opts) {\n  if (!node) return false;\n  const
nodeType = node.type;\n\n  if (nodeType === \"TSModuleDeclaration\") {\n    if (typeof opts === \"undefined\") {\n
return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isTSModuleBlock(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSModuleBlock\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSImportType(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSImportType\") {\n    if (typeof
opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n
}\n  }\n\n  return false;\n}\n\nfunction isTSImportEqualsDeclaration(node, opts) {\n  if (!node) return false;\n
const nodeType = node.type;\n\n  if (nodeType === \"TSImportEqualsDeclaration\") {\n    if (typeof opts ===
\"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n
}\n\n  return false;\n}\n\n  return

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false;\n}\n\nfunction isTSExternalModuleReference(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n  if (nodeType === \"TSExternalModuleReference\") {\n    if (typeof opts === \"undefined\") {\n
return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  return
false;\n}\n\nfunction isTSNonNullExpression(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n  if (nodeType === \"TSNonNullExpression\") {\n    if (typeof opts === \"undefined\") {\n
return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  return false;\n}\n\nfunction
isTSExportAssignment(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  if (nodeType
=== \"TSExportAssignment\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n
return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  return false;\n}\n\nfunction
isTSNamespaceExportDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  if
(nodeType === \"TSNamespaceExportDeclaration\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n
    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  return false;\n}\n\nfunction
isTSTypeAnnotation(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  if (nodeType ===
\"TSTypeAnnotation\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n
return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  return false;\n}\n\nfunction
isTSTypeParameterInstantiation(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  if
(nodeType === \"TSTypeParameterInstantiation\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n
    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  return false;\n}\n\nfunction
isTSTypeParameterDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  if
(nodeType === \"TSTypeParameterDeclaration\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n
    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  return false;\n}\n\nfunction
isTSTypeParameter(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  if (nodeType ===
\"TSTypeParameter\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n
return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  return false;\n}\n\nfunction isExpression(node, opts) {\n  if
(!node) return false;\n  const nodeType = node.type;\n  if (\"ArrayExpression\" === nodeType ||
\"AssignmentExpression\" === nodeType || \"BinaryExpression\" === nodeType || \"CallExpression\" ===
nodeType || \"ConditionalExpression\" === nodeType || \"FunctionExpression\" === nodeType || \"Identifier\" ===
nodeType || \"StringLiteral\" === nodeType || \"NumericLiteral\" === nodeType || \"NullLiteral\" === nodeType ||
\"BooleanLiteral\" === nodeType || \"RegExpLiteral\" === nodeType || \"LogicalExpression\" === nodeType ||
\"MemberExpression\" === nodeType || \"NewExpression\" === nodeType || \"ObjectExpression\" === nodeType ||
\"SequenceExpression\" === nodeType || \"ParenthesizedExpression\" === nodeType || \"ThisExpression\" ===
nodeType || \"UnaryExpression\" === nodeType || \"UpdateExpression\" === nodeType ||
\"ArrowFunctionExpression\" === nodeType || \"ClassExpression\" === nodeType || \"MetaProperty\" ===
nodeType || \"Super\" === nodeType || \"TaggedTemplateExpression\" === nodeType || \"TemplateLiteral\" ===
nodeType || \"YieldExpression\" === nodeType || \"AwaitExpression\" === nodeType || \"Import\" === nodeType ||
\"BigIntLiteral\" === nodeType || \"OptionalMemberExpression\" === nodeType || \"OptionalCallExpression\" ===
nodeType || \"TypeCastExpression\" === nodeType || \"JSXElement\" === nodeType || \"JSXFragment\" ===
nodeType || \"BindExpression\" === nodeType || \"PipelinePrimaryTopicReference\" === nodeType ||
\"DoExpression\" === nodeType || \"RecordExpression\" === nodeType || \"TupleExpression\" === nodeType ||
\"DecimalLiteral\" === nodeType || \"ModuleExpression\" === nodeType || \"TSAsExpression\" === nodeType ||
\"TSTypeAssertion\" === nodeType || \"TSNonNullExpression\" === nodeType || nodeType === \"Placeholder\"
&& (\"Expression\" === node.expectedNode || \"Identifier\" === node.expectedNode || \"StringLiteral\" ===
node.expectedNode)) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n
return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  return false;\n}\n\nfunction isBinary(node, opts) {\n  if (!node)
return false;\n  const nodeType = node.type;\n  if (\"BinaryExpression\" === nodeType || \"LogicalExpression\"
=== nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n
return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  return false;\n}\n\nfunction isScopable(node, opts) {\n  if (!node)
return false;\n  const nodeType = node.type;\n  if (\"BlockStatement\" === nodeType || \"CatchClause\" ===

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nodeType || "\"DoWhileStatement\"" === nodeType || "\"ForInStatement\"" === nodeType || "\"ForStatement\"" ===
nodeType || "\"FunctionDeclaration\"" === nodeType || "\"FunctionExpression\"" === nodeType || "\"Program\"" ===
nodeType || "\"ObjectMethod\"" === nodeType || "\"SwitchStatement\"" === nodeType || "\"WhileStatement\"" ===
nodeType || "\"ArrowFunctionExpression\"" === nodeType || "\"ClassExpression\"" === nodeType ||
 "\"ClassDeclaration\"" === nodeType || "\"ForOfStatement\"" === nodeType || "\"ClassMethod\"" === nodeType ||
 "\"ClassPrivateMethod\"" === nodeType || "\"StaticBlock\"" === nodeType || "\"TSMODULEBLOCK\"" === nodeType ||
nodeType === "\"Placeholder\"" && "\"BlockStatement\"" === node.expectedNode) {\n  if (typeof opts ===
  \"undefined\") {\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n
return false;\n}\n\nfunction isBlockParent(node, opts) {\n  if (!node) return false;\n  const nodeType =
  node.type;\n  if (\"BlockStatement\" === nodeType || \"CatchClause\" === nodeType || \"DoWhileStatement\" ===
  nodeType || \"ForInStatement\" === nodeType || \"ForStatement\" === nodeType || \"FunctionDeclaration\" ===
  nodeType || \"FunctionExpression\" === nodeType || \"Program\" === nodeType || \"ObjectMethod\" === nodeType
  || \"SwitchStatement\" === nodeType || \"WhileStatement\" === nodeType || \"ArrowFunctionExpression\" ===
  nodeType || \"ForOfStatement\" === nodeType || \"ClassMethod\" === nodeType || \"ClassPrivateMethod\" ===
  nodeType || \"StaticBlock\" === nodeType || \"TSMODULEBLOCK\" === nodeType || nodeType === \"Placeholder\"
  && \"BlockStatement\" === node.expectedNode) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\nreturn false;\n}\n\nfunction isBlock(node,
  opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  if (\"BlockStatement\" === nodeType ||
  \"Program\" === nodeType || \"TSMODULEBLOCK\" === nodeType || nodeType === \"Placeholder\" &&
  \"BlockStatement\" === node.expectedNode) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\nreturn false;\n}\n\nfunction isStatement(node,
  opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  if (\"BlockStatement\" === nodeType ||
  \"BreakStatement\" === nodeType || \"ContinueStatement\" === nodeType || \"DebuggerStatement\" === nodeType
  || \"DoWhileStatement\" === nodeType || \"EmptyStatement\" === nodeType || \"ExpressionStatement\" ===
  nodeType || \"ForInStatement\" === nodeType || \"ForStatement\" === nodeType || \"FunctionDeclaration\" ===
  nodeType || \"IfStatement\" === nodeType || \"LabeledStatement\" === nodeType || \"ReturnStatement\" ===
  nodeType || \"SwitchStatement\" === nodeType || \"ThrowStatement\" === nodeType || \"TryStatement\" ===
  nodeType || \"VariableDeclaration\" === nodeType || \"WhileStatement\" === nodeType || \"WithStatement\" ===
  nodeType || \"ClassDeclaration\" === nodeType || \"ExportAllDeclaration\" === nodeType ||
  \"ExportDefaultDeclaration\" === nodeType || \"ExportNamedDeclaration\" === nodeType || \"ForOfStatement\"
  === nodeType || \"ImportDeclaration\" === nodeType || \"DeclareClass\" === nodeType || \"DeclareFunction\" ===
  nodeType || \"DeclareInterface\" === nodeType || \"DeclareModule\" === nodeType || \"DeclareModuleExports\"
  === nodeType || \"DeclareTypeAlias\" === nodeType || \"DeclareOpaqueType\" === nodeType ||
  \"DeclareVariable\" === nodeType || \"DeclareExportDeclaration\" === nodeType ||
  \"DeclareExportAllDeclaration\" === nodeType || \"InterfaceDeclaration\" === nodeType || \"OpaqueType\" ===
  nodeType || \"TypeAlias\" === nodeType || \"EnumDeclaration\" === nodeType || \"TSDeclareFunction\" ===
  nodeType || \"TSInterfaceDeclaration\" === nodeType || \"TSTypeAliasDeclaration\" === nodeType ||
  \"TSEnumDeclaration\" === nodeType || \"TSMODULEDECLARATION\" === nodeType || \"TSImportEqualsDeclaration\"
  === nodeType || \"TSEXPORTASSIGNMENT\" === nodeType || \"TSNamespaceExportDeclaration\" === nodeType ||
  nodeType === \"Placeholder\" && (\"Statement\" === node.expectedNode || \"Declaration\" ===
  node.expectedNode || \"BlockStatement\" === node.expectedNode)) {\n    if (typeof opts === \"undefined\") {\n
  } return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\nreturn
  false;\n}\n\nfunction isTerminatorless(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  if
  (\"BreakStatement\" === nodeType || \"ContinueStatement\" === nodeType || \"ReturnStatement\" === nodeType ||
  \"ThrowStatement\" === nodeType || \"YieldExpression\" === nodeType || \"AwaitExpression\" === nodeType) {\n
  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node,
  opts);\n  }\n }\n\nreturn false;\n}\n\nfunction isCompletionStatement(node, opts) {\n  if (!node) return false;\n
  const nodeType = node.type;\n  if (\"BreakStatement\" === nodeType || \"ContinueStatement\" === nodeType ||

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\ReturnStatement\ === nodeType || \ThrowStatement\ === nodeType) {\n  if (typeof opts === \undefined\)\n  {\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n}\n\n return\nfalse;\n}\n\nfunction isConditional(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if\n(\\"ConditionalExpression\\" === nodeType || \\"IfStatement\\" === nodeType) {\n    if (typeof opts === \undefined\)\n    {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return\nfalse;\n}\n\nfunction isLoop(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if\n(\\"DoWhileStatement\\" === nodeType || \\"ForInStatement\\" === nodeType || \\"ForStatement\\" === nodeType ||\n\\"WhileStatement\\" === nodeType || \\"ForOfStatement\\" === nodeType) {\n    if (typeof opts === \undefined\)\n    {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return\nfalse;\n}\n\nfunction isWhile(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if\n(\\"DoWhileStatement\\" === nodeType || \\"WhileStatement\\" === nodeType) {\n    if (typeof opts ===\n\undefined\)\n    {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return\nfalse;\n}\n\nfunction isExpressionWrapper(node, opts) {\n  if (!node) return false;\n  const nodeType =\nnode.type;\n\n  if (\\"ExpressionStatement\\" === nodeType || \\"ParenthesizedExpression\\" === nodeType ||\n\\"TypeCastExpression\\" === nodeType) {\n    if (typeof opts === \undefined\)\n    {\n      return true;\n    } else {\n      return\n(0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isFor(node, opts) {\n  if\n(!node) return false;\n  const nodeType = node.type;\n\n  if (\\"ForInStatement\\" === nodeType || \\"ForStatement\\"\n=== nodeType || \\"ForOfStatement\\" === nodeType) {\n    if (typeof opts === \undefined\)\n    {\n      return true;\n    }\n  } else {\n    return\n(0, _shallowEqual.default)(node, opts);\n  }\n}\n\n  return false;\n}\n\nfunction\nisForXStatement(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (\\"ForInStatement\\"\n=== nodeType || \\"ForOfStatement\\" === nodeType) {\n    if (typeof opts === \undefined\)\n    {\n      return true;\n    }\n  } else {\n    return\n(0, _shallowEqual.default)(node, opts);\n  }\n}\n\n  return false;\n}\n\nfunction\nisFunction(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (\\"FunctionDeclaration\\"\n=== nodeType || \\"FunctionExpression\\" === nodeType || \\"ObjectMethod\\" === nodeType ||\n\\"ArrowFunctionExpression\\" === nodeType || \\"ClassMethod\\" === nodeType || \\"ClassPrivateMethod\\" ===\nnodeType) {\n    if (typeof opts === \undefined\)\n    {\n      return true;\n    } else {\n      return\n(0, _shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n  return false;\n}\n\nfunction isFunctionParent(node, opts) {\n  if\n(!node) return false;\n  const nodeType = node.type;\n\n  if (\\"FunctionDeclaration\\" === nodeType ||\n\\"FunctionExpression\\" === nodeType || \\"ObjectMethod\\" === nodeType || \\"ArrowFunctionExpression\\" ===\nnodeType || \\"ClassMethod\\" === nodeType || \\"ClassPrivateMethod\\" === nodeType) {\n    if (typeof opts ===\n\undefined\)\n    {\n      return true;\n    } else {\n      return\n(0, _shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n  return false;\n}\n\nfunction isPureish(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if\n(\\"FunctionDeclaration\\" === nodeType || \\"FunctionExpression\\" === nodeType || \\"StringLiteral\\" === nodeType\n|| \\"NumericLiteral\\" === nodeType || \\"NullLiteral\\" === nodeType || \\"BooleanLiteral\\" === nodeType ||\n\\"RegExpLiteral\\" === nodeType || \\"ArrowFunctionExpression\\" === nodeType || \\"BigIntLiteral\\" === nodeType\n|| \\"DecimalLiteral\\" === nodeType || nodeType === \\"Placeholder\\" && \\"StringLiteral\\" === node.expectedNode)\n  {\n    if (typeof opts === \undefined\)\n    {\n      return true;\n    } else {\n      return\n(0, _shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n  return false;\n}\n\nfunction isDeclaration(node, opts) {\n  if (!node) return false;\n  const\nnodeType = node.type;\n\n  if (\\"FunctionDeclaration\\" === nodeType || \\"VariableDeclaration\\" === nodeType ||\n\\"ClassDeclaration\\" === nodeType || \\"ExportAllDeclaration\\" === nodeType || \\"ExportDefaultDeclaration\\"\n=== nodeType || \\"ExportNamedDeclaration\\" === nodeType || \\"ImportDeclaration\\" === nodeType || \\"DeclareClass\\"\n=== nodeType || \\"DeclareFunction\\" === nodeType || \\"DeclareInterface\\" === nodeType || \\"DeclareModule\\"\n=== nodeType || \\"DeclareModuleExports\\" === nodeType || \\"DeclareTypeAlias\\" === nodeType ||\n\\"DeclareOpaqueType\\" === nodeType || \\"DeclareVariable\\" === nodeType || \\"DeclareExportDeclaration\\"\n=== nodeType || \\"DeclareExportAllDeclaration\\" === nodeType || \\"InterfaceDeclaration\\" === nodeType ||\n\\"OpaqueType\\" === nodeType || \\"TypeAlias\\" === nodeType || \\"EnumDeclaration\\" === nodeType ||\n\\"TSDeclareFunction\\" === nodeType || \\"TSInterfaceDeclaration\\" === nodeType || \\"TSTypeAliasDeclaration\\"\n=== nodeType || \\"TSEnumDeclaration\\" === nodeType || \\"TSModuleDeclaration\\" === nodeType || nodeType

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=== \"Placeholder\" && \"Declaration\" === node.expectedNode) {\n  if (typeof opts === \"undefined\") {\n
return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n return
false;\n}\n\nfunction isPatternLike(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if
(\"Identifier\" === nodeType || \"RestElement\" === nodeType || \"AssignmentPattern\" === nodeType ||
\"ArrayPattern\" === nodeType || \"ObjectPattern\" === nodeType || nodeType === \"Placeholder\" && (\"Pattern\"
=== node.expectedNode || \"Identifier\" === node.expectedNode)) {\n    if (typeof opts === \"undefined\") {\n
return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n return
false;\n}\n\nfunction isLVal(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if
(\"Identifier\" === nodeType || \"MemberExpression\" === nodeType || \"RestElement\" === nodeType ||
\"AssignmentPattern\" === nodeType || \"ArrayPattern\" === nodeType || \"ObjectPattern\" === nodeType ||
\"TSParameterProperty\" === nodeType || nodeType === \"Placeholder\" && (\"Pattern\" === node.expectedNode ||
\"Identifier\" === node.expectedNode)) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n
return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n return false;\n}\n\nfunction isTSEntityName(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (\"Identifier\" === nodeType ||
\"TSQualifiedName\" === nodeType || nodeType === \"Placeholder\" && \"Identifier\" === node.expectedNode)
{\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node,
opts);\n    }\n  }\n\n return false;\n}\n\nfunction isTSEntityName(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (\"Identifier\" === nodeType ||
\"TSQualifiedName\" === nodeType || nodeType === \"Placeholder\" && \"Identifier\" === node.expectedNode)
{\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node,
opts);\n    }\n  }\n\n return false;\n}\n\nfunction isLiteral(node, opts) {\n  if (!node) return false;\n  const nodeType
= node.type;\n\n  if (\"StringLiteral\" === nodeType || \"NumericLiteral\" === nodeType || \"NullLiteral\" ===
nodeType || \"BooleanLiteral\" === nodeType || \"RegExpLiteral\" === nodeType || \"TemplateLiteral\" ===
nodeType || \"BigIntLiteral\" === nodeType || \"DecimalLiteral\" === nodeType || nodeType === \"Placeholder\"
&& \"StringLiteral\" === node.expectedNode) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else
{\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n return false;\n}\n\nfunction isImmutable(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (\"StringLiteral\" === nodeType ||
\"NumericLiteral\" === nodeType || \"NullLiteral\" === nodeType || \"BooleanLiteral\" === nodeType ||
\"BigIntLiteral\" === nodeType || \"JSXAttribute\" === nodeType || \"JSXClosingElement\" === nodeType ||
\"JSXElement\" === nodeType || \"JSXExpressionContainer\" === nodeType || \"JSXSpreadChild\" === nodeType
|| \"JSXOpeningElement\" === nodeType || \"JSXText\" === nodeType || \"JSXFragment\" === nodeType ||
\"JSXOpeningFragment\" === nodeType || \"JSXClosingFragment\" === nodeType || \"DecimalLiteral\" ===
nodeType || nodeType === \"Placeholder\" && \"StringLiteral\" === node.expectedNode) {\n    if (typeof opts ===
\"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n
return false;\n}\n\nfunction isUserWhitespacable(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (\"ObjectMethod\" === nodeType || \"ObjectProperty\" === nodeType ||
\"ObjectTypeInternalSlot\" === nodeType || \"ObjectTypeCallProperty\" === nodeType || \"ObjectTypeIndexer\"
=== nodeType || \"ObjectTypeProperty\" === nodeType || \"ObjectTypeSpreadProperty\" === nodeType) {\n    if
(typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n
}\n  }\n\n return false;\n}\n\nfunction isMethod(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (\"ObjectMethod\" === nodeType || \"ClassMethod\" === nodeType || \"ClassPrivateMethod\"
=== nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n return false;\n}\n\nfunction isObjectMember(node, opts) {\n  if
(!node) return false;\n  const nodeType = node.type;\n\n  if (\"ObjectMethod\" === nodeType || \"ObjectProperty\"
=== nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n return false;\n}\n\nfunction isProperty(node, opts) {\n  if (!node)
return false;\n  const nodeType = node.type;\n\n  if (\"ObjectProperty\" === nodeType || \"ClassProperty\" ===
nodeType || \"ClassPrivateProperty\" === nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n
}\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nfunction
isUnaryLike(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (\"UnaryExpression\"
=== nodeType || \"SpreadElement\" === nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n return false;\n}\n\nfunction isPattern(node,

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opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (\\"AssignmentPattern\" === nodeType ||
\\"ArrayPattern\" === nodeType || \\"ObjectPattern\" === nodeType || nodeType === \\"Placeholder\" && \\"Pattern\"
=== node.expectedNode) {\n if (typeof opts === \\"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isClass(node, opts) {\n if (!node)
return false;\n const nodeType = node.type;\n\n if (\\"ClassExpression\" === nodeType || \\"ClassDeclaration\" ===
nodeType) {\n if (typeof opts === \\"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isModuleDeclaration(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n\n if (\\"ExportAllDeclaration\" === nodeType ||
\\"ExportDefaultDeclaration\" === nodeType || \\"ExportNamedDeclaration\" === nodeType || \\"ImportDeclaration\"
=== nodeType) {\n if (typeof opts === \\"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isExportDeclaration(node, opts) {\n
if (!node) return false;\n const nodeType = node.type;\n\n if (\\"ExportAllDeclaration\" === nodeType ||
\\"ExportDefaultDeclaration\" === nodeType || \\"ExportNamedDeclaration\" === nodeType) {\n if (typeof opts
=== \\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n
return false;\n}\n\nfunction isModuleSpecifier(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (\\"ExportSpecifier\" === nodeType || \\"ImportDefaultSpecifier\" === nodeType ||
\\"ImportNamespaceSpecifier\" === nodeType || \\"ImportSpecifier\" === nodeType || \\"ExportNamespaceSpecifier\"
=== nodeType || \\"ExportDefaultSpecifier\" === nodeType) {\n if (typeof opts === \\"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n return false;\n}\n\nfunction
isFlow(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (\\"AnyTypeAnnotation\" ===
nodeType || \\"ArrayTypeAnnotation\" === nodeType || \\"BooleanTypeAnnotation\" === nodeType ||
\\"BooleanLiteralTypeAnnotation\" === nodeType || \\"NullLiteralTypeAnnotation\" === nodeType ||
\\"ClassImplements\" === nodeType || \\"DeclareClass\" === nodeType || \\"DeclareFunction\" === nodeType ||
\\"DeclareInterface\" === nodeType || \\"DeclareModule\" === nodeType || \\"DeclareModuleExports\" === nodeType
|| \\"DeclareTypeAlias\" === nodeType || \\"DeclareOpaqueType\" === nodeType || \\"DeclareVariable\" ===
nodeType || \\"DeclareExportDeclaration\" === nodeType || \\"DeclareExportAllDeclaration\" === nodeType ||
\\"DeclaredPredicate\" === nodeType || \\"ExistsTypeAnnotation\" === nodeType || \\"FunctionTypeAnnotation\" ===
nodeType || \\"FunctionTypeParam\" === nodeType || \\"GenericTypeAnnotation\" === nodeType ||
\\"InferredPredicate\" === nodeType || \\"InterfaceExtends\" === nodeType || \\"InterfaceDeclaration\" === nodeType
|| \\"InterfaceTypeAnnotation\" === nodeType || \\"IntersectionTypeAnnotation\" === nodeType ||
\\"MixedTypeAnnotation\" === nodeType || \\"EmptyTypeAnnotation\" === nodeType || \\"NullableTypeAnnotation\"
=== nodeType || \\"NumberLiteralTypeAnnotation\" === nodeType || \\"NumberTypeAnnotation\" === nodeType ||
\\"ObjectTypeAnnotation\" === nodeType || \\"ObjectTypeInternalSlot\" === nodeType || \\"ObjectTypeCallProperty\"
=== nodeType || \\"ObjectTypeIndexer\" === nodeType || \\"ObjectTypeProperty\" === nodeType ||
\\"ObjectTypeSpreadProperty\" === nodeType || \\"OpaqueType\" === nodeType || \\"QualifiedTypeIdentifier\" ===
nodeType || \\"StringLiteralTypeAnnotation\" === nodeType || \\"StringTypeAnnotation\" === nodeType ||
\\"SymbolTypeAnnotation\" === nodeType || \\"ThisTypeAnnotation\" === nodeType || \\"TupleTypeAnnotation\"
=== nodeType || \\"TypeofTypeAnnotation\" === nodeType || \\"TypeAlias\" === nodeType || \\"TypeAnnotation\"
=== nodeType || \\"TypeCastExpression\" === nodeType || \\"TypeParameter\" === nodeType ||
\\"TypeParameterDeclaration\" === nodeType || \\"TypeParameterInstantiation\" === nodeType ||
\\"UnionTypeAnnotation\" === nodeType || \\"Variance\" === nodeType || \\"VoidTypeAnnotation\" === nodeType ||
\\"IndexedAccessType\" === nodeType || \\"OptionalIndexedAccessType\" === nodeType) {\n if (typeof opts ===
\\"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n }\n\n
return false;\n}\n\nfunction isFlowType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n
if (\\"AnyTypeAnnotation\" === nodeType || \\"ArrayTypeAnnotation\" === nodeType || \\"BooleanTypeAnnotation\"
=== nodeType || \\"BooleanLiteralTypeAnnotation\" === nodeType || \\"NullLiteralTypeAnnotation\" === nodeType
|| \\"ExistsTypeAnnotation\" === nodeType || \\"FunctionTypeAnnotation\" === nodeType ||
\\"GenericTypeAnnotation\" === nodeType || \\"InterfaceTypeAnnotation\" === nodeType ||

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\"IntersectionTypeAnnotation\" === nodeType || \"MixedTypeAnnotation\" === nodeType ||
\"EmptyTypeAnnotation\" === nodeType || \"NullableTypeAnnotation\" === nodeType ||
\"NumberLiteralTypeAnnotation\" === nodeType || \"NumberTypeAnnotation\" === nodeType ||
\"ObjectTypeAnnotation\" === nodeType || \"StringLiteralTypeAnnotation\" === nodeType ||
\"StringTypeAnnotation\" === nodeType || \"SymbolTypeAnnotation\" === nodeType || \"ThisTypeAnnotation\"
=== nodeType || \"TupleTypeAnnotation\" === nodeType || \"TypeofTypeAnnotation\" === nodeType ||
\"UnionTypeAnnotation\" === nodeType || \"VoidTypeAnnotation\" === nodeType || \"IndexedAccessType\" ===
nodeType || \"OptionalIndexedAccessType\" === nodeType) {\n  if (typeof opts === \"undefined\") {\n    return
true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n}\n\n return false;\n}\n\nfunction
isFlowBaseAnnotation(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if
(\"AnyTypeAnnotation\" === nodeType || \"BooleanTypeAnnotation\" === nodeType ||
\"NullLiteralTypeAnnotation\" === nodeType || \"MixedTypeAnnotation\" === nodeType ||
\"EmptyTypeAnnotation\" === nodeType || \"NumberTypeAnnotation\" === nodeType || \"StringTypeAnnotation\"
=== nodeType || \"SymbolTypeAnnotation\" === nodeType || \"ThisTypeAnnotation\" === nodeType ||
\"VoidTypeAnnotation\" === nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isFlowDeclaration(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (\"DeclareClass\" === nodeType ||
\"DeclareFunction\" === nodeType || \"DeclareInterface\" === nodeType || \"DeclareModule\" === nodeType ||
\"DeclareModuleExports\" === nodeType || \"DeclareTypeAlias\" === nodeType || \"DeclareOpaqueType\" ===
nodeType || \"DeclareVariable\" === nodeType || \"DeclareExportDeclaration\" === nodeType ||
\"DeclareExportAllDeclaration\" === nodeType || \"InterfaceDeclaration\" === nodeType || \"OpaqueType\" ===
nodeType || \"TypeAlias\" === nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isFlowPredicate(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (\"DeclaredPredicate\" === nodeType ||
\"InferredPredicate\" === nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isEnumBody(node, opts)
{\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (\"EnumBooleanBody\" === nodeType ||
\"EnumNumberBody\" === nodeType || \"EnumStringBody\" === nodeType || \"EnumSymbolBody\" ===
nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isEnumMember(node, opts)
{\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (\"EnumBooleanMember\" === nodeType ||
\"EnumNumberMember\" === nodeType || \"EnumStringMember\" === nodeType || \"EnumDefaultedMember\"
=== nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isJSX(node, opts) {\n
if (!node)
return false;\n  const nodeType = node.type;\n\n  if (\"JSXAttribute\" === nodeType || \"JSXClosingElement\"
=== nodeType || \"JSXElement\" === nodeType || \"JSXEmptyExpression\" === nodeType ||
\"JSXExpressionContainer\" === nodeType || \"JSXSpreadChild\" === nodeType || \"JSXIdentifier\" === nodeType
|| \"JSXMemberExpression\" === nodeType || \"JSXNamespacedName\" === nodeType || \"JSXOpeningElement\"
=== nodeType || \"JSXSpreadAttribute\" === nodeType || \"JSXText\" === nodeType || \"JSXFragment\" ===
nodeType || \"JSXOpeningFragment\" === nodeType || \"JSXClosingFragment\" === nodeType) {\n    if (typeof
opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node,
opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isPrivate(node, opts) {\n  if (!node) return false;\n
const nodeType =
node.type;\n\n  if (\"ClassPrivateProperty\" === nodeType || \"ClassPrivateMethod\" === nodeType ||
\"PrivateName\" === nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n
return
(0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSTypeElement(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (\"TSCallSignatureDeclaration\"
=== nodeType ||
\"TSConstructSignatureDeclaration\" === nodeType || \"TSPropertySignature\" === nodeType ||
\"TSMethodSignature\" === nodeType || \"TSIndexSignature\" === nodeType) {\n    if (typeof opts ===

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\undefined\`) {\n  return true;\n } else {\n  return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isTSType(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(\"TSAnyKeyword\" === nodeType || \"TSBooleanKeyword\" === nodeType || \"TSBigIntKeyword\" ===
nodeType || \"TSIntrinsicKeyword\" === nodeType || \"TSNeverKeyword\" === nodeType || \"TSNullKeyword\"
=== nodeType || \"TSNumberKeyword\" === nodeType || \"TSObjectKeyword\" === nodeType ||
\"TSStringKeyword\" === nodeType || \"TSSymbolKeyword\" === nodeType || \"TSUndefinedKeyword\" ===
nodeType || \"TSUnknownKeyword\" === nodeType || \"TSVoidKeyword\" === nodeType || \"TSThisType\" ===
nodeType || \"TSFunctionType\" === nodeType || \"TSConstructorType\" === nodeType || \"TSTypeReference\"
=== nodeType || \"TSTypePredicate\" === nodeType || \"TSTypeQuery\" === nodeType || \"TSTypeLiteral\" ===
nodeType || \"TSArrayType\" === nodeType || \"TSTupleType\" === nodeType || \"TSOptionalType\" ===
nodeType || \"TSRestType\" === nodeType || \"TSUnionType\" === nodeType || \"TSIntersectionType\" ===
nodeType || \"TSConditionalType\" === nodeType || \"TSInferType\" === nodeType || \"TSParenthesizedType\"
=== nodeType || \"TSTypeOperator\" === nodeType || \"TSIndexedAccessType\" === nodeType ||
\"TSMappedType\" === nodeType || \"TSLiteralType\" === nodeType || \"TSExpressionWithTypeArguments\" ===
nodeType || \"TSImportType\" === nodeType) {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else
{\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nfunction isTSBaseType(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (\"TSAnyKeyword\" === nodeType ||
\"TSBooleanKeyword\" === nodeType || \"TSBigIntKeyword\" === nodeType || \"TSIntrinsicKeyword\" ===
nodeType || \"TSNeverKeyword\" === nodeType || \"TSNullKeyword\" === nodeType || \"TSNumberKeyword\"
=== nodeType || \"TSObjectKeyword\" === nodeType || \"TSStringKeyword\" === nodeType ||
\"TSSymbolKeyword\" === nodeType || \"TSUndefinedKeyword\" === nodeType || \"TSUnknownKeyword\" ===
nodeType || \"TSVoidKeyword\" === nodeType || \"TSThisType\" === nodeType || \"TSLiteralType\" ===
nodeType) {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return (0,
_shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nfunction isNumberLiteral(node, opts) {\n
console.trace(\"The node type NumberLiteral has been renamed to NumericLiteral);\n if (!node) return false;\n
const nodeType = node.type;\n\n if (nodeType === \"NumberLiteral\") {\n  if (typeof opts === \"undefined\") {\n
return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n return
false;\n}\n\nfunction isRegexLiteral(node, opts) {\n console.trace(\"The node type RegexLiteral has been renamed
to RegExpLiteral);\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"RegexLiteral\") {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return (0,
_shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nfunction isRestProperty(node, opts) {\n
console.trace(\"The node type RestProperty has been renamed to RestElement);\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"RestProperty\") {\n  if (typeof opts === \"undefined\") {\n
return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n return
false;\n}\n\nfunction isSpreadProperty(node, opts) {\n console.trace(\"The node type SpreadProperty has been
renamed to SpreadElement);\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"SpreadProperty\") {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return (0,
_shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nObject.defineProperty(exports,
\"__esModule\", {\n  value: true\n});\nexports.isArrayExpression =
isArrayExpression;\nexports.isAssignmentExpression = isAssignmentExpression;\nexports.isBinaryExpression =
isBinaryExpression;\nexports.isInterpreterDirective = isInterpreterDirective;\nexports.isDirective =
isDirective;\nexports.isDirectiveLiteral = isDirectiveLiteral;\nexports.isBlockStatement =
isBlockStatement;\nexports.isBreakStatement = isBreakStatement;\nexports.isCallExpression =
isCallExpression;\nexports.isCatchClause = isCatchClause;\nexports.isConditionalExpression =
isConditionalExpression;\nexports.isContinueStatement = isContinueStatement;\nexports.isDebuggerStatement =
isDebuggerStatement;\nexports.isDoWhileStatement = isDoWhileStatement;\nexports.isEmptyStatement =
isEmptyStatement;\nexports.isExpressionStatement = isExpressionStatement;\nexports.isFile =
isFile;\nexports.isForInStatement = isForInStatement;\nexports.isForStatement =

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isForStatement;\nexports.isFunctionDeclaration = isFunctionDeclaration;\nexports.isFunctionExpression = isFunctionExpression;\nexports.isIdentifier = isIdentifier;\nexports.isIfStatement = isIfStatement;\nexports.isLabeledStatement = isLabeledStatement;\nexports.isStringLiteral = isStringLiteral;\nexports.isNumericLiteral = isNumericLiteral;\nexports.isNullLiteral = isNullLiteral;\nexports.isBooleanLiteral = isBooleanLiteral;\nexports.isRegExpLiteral = isRegExpLiteral;\nexports.isLogicalExpression = isLogicalExpression;\nexports.isMemberExpression = isMemberExpression;\nexports.isNewExpression = isNewExpression;\nexports.isProgram = isProgram;\nexports.isObjectExpression = isObjectExpression;\nexports.isObjectMethod = isObjectMethod;\nexports.isObjectProperty = isObjectProperty;\nexports.isRestElement = isRestElement;\nexports.isReturnStatement = isReturnStatement;\nexports.isSequenceExpression = isSequenceExpression;\nexports.isParenthesizedExpression = isParenthesizedExpression;\nexports.isSwitchCase = isSwitchCase;\nexports.isSwitchStatement = isSwitchStatement;\nexports.isThisExpression = isThisExpression;\nexports.isThrowStatement = isThrowStatement;\nexports.isTryStatement = isTryStatement;\nexports.isUnaryExpression = isUnaryExpression;\nexports.isUpdateExpression = isUpdateExpression;\nexports.isVariableDeclaration = isVariableDeclaration;\nexports.isVariableDeclarator = isVariableDeclarator;\nexports.isWhileStatement = isWhileStatement;\nexports.isWithStatement = isWithStatement;\nexports.isAssignmentPattern = isAssignmentPattern;\nexports.isArrayPattern = isArrayPattern;\nexports.isArrowFunctionExpression = isArrowFunctionExpression;\nexports.isClassBody = isClassBody;\nexports.isClassExpression = isClassExpression;\nexports.isClassDeclaration = isClassDeclaration;\nexports.isExportAllDeclaration = isExportAllDeclaration;\nexports.isExportDefaultDeclaration = isExportDefaultDeclaration;\nexports.isExportNamedDeclaration = isExportNamedDeclaration;\nexports.isExportSpecifier = isExportSpecifier;\nexports.isForOfStatement = isForOfStatement;\nexports.isImportDeclaration = isImportDeclaration;\nexports.isImportDefaultSpecifier = isImportDefaultSpecifier;\nexports.isImportNamespaceSpecifier = isImportNamespaceSpecifier;\nexports.isImportSpecifier = isImportSpecifier;\nexports.isMetaProperty = isMetaProperty;\nexports.isClassMethod = isClassMethod;\nexports.isObjectPattern = isObjectPattern;\nexports.isSpreadElement = isSpreadElement;\nexports.isSuper = isSuper;\nexports.isTaggedTemplateExpression = isTaggedTemplateExpression;\nexports.isTemplateElement = isTemplateElement;\nexports.isTemplateLiteral = isTemplateLiteral;\nexports.isYieldExpression = isYieldExpression;\nexports.isAwaitExpression = isAwaitExpression;\nexports.isImport = isImport;\nexports.isBigIntLiteral = isBigIntLiteral;\nexports.isExportNamespaceSpecifier = isExportNamespaceSpecifier;\nexports.isOptionalMemberExpression = isOptionalMemberExpression;\nexports.isOptionalCallExpression = isOptionalCallExpression;\nexports.isAnyTypeAnnotation = isAnyTypeAnnotation;\nexports.isArrayTypeAnnotation = isArrayTypeAnnotation;\nexports.isBooleanTypeAnnotation = isBooleanTypeAnnotation;\nexports.isBooleanLiteralTypeAnnotation = isBooleanLiteralTypeAnnotation;\nexports.isNullLiteralTypeAnnotation = isNullLiteralTypeAnnotation;\nexports.isClassImplements = isClassImplements;\nexports.isDeclareClass = isDeclareClass;\nexports.isDeclareFunction = isDeclareFunction;\nexports.isDeclareInterface = isDeclareInterface;\nexports.isDeclareModule = isDeclareModule;\nexports.isDeclareModuleExports = isDeclareModuleExports;\nexports.isDeclareTypeAlias = isDeclareTypeAlias;\nexports.isDeclareOpaqueType = isDeclareOpaqueType;\nexports.isDeclareVariable = isDeclareVariable;\nexports.isDeclareExportDeclaration = isDeclareExportDeclaration;\nexports.isDeclareExportAllDeclaration = isDeclareExportAllDeclaration;\nexports.isDeclaredPredicate = isDeclaredPredicate;\nexports.isExistsTypeAnnotation = isExistsTypeAnnotation;\nexports.isFunctionTypeAnnotation = isFunctionTypeAnnotation;\nexports.isFunctionTypeParam =

isFunctionTypeParam;\nexports.isGenericTypeAnnotation = isGenericTypeAnnotation;\nexports.isInferredPredicate = isInferredPredicate;\nexports.isInterfaceExtends = isInterfaceExtends;\nexports.isInterfaceDeclaration = isInterfaceDeclaration;\nexports.isInterfaceTypeAnnotation = isInterfaceTypeAnnotation;\nexports.isIntersectionTypeAnnotation = isIntersectionTypeAnnotation;\nexports.isMixedTypeAnnotation = isMixedTypeAnnotation;\nexports.isEmptyTypeAnnotation = isEmptyTypeAnnotation;\nexports.isNullableTypeAnnotation = isNullableTypeAnnotation;\nexports.isNumberLiteralTypeAnnotation = isNumberLiteralTypeAnnotation;\nexports.isNumberTypeAnnotation = isNumberTypeAnnotation;\nexports.isObjectTypeAnnotation = isObjectTypeAnnotation;\nexports.isObjectTypeInternalSlot = isObjectTypeInternalSlot;\nexports.isObjectTypeCallProperty = isObjectTypeCallProperty;\nexports.isObjectTypeIndexer = isObjectTypeIndexer;\nexports.isObjectTypeProperty = isObjectTypeProperty;\nexports.isObjectTypeSpreadProperty = isObjectTypeSpreadProperty;\nexports.isOpaqueType = isOpaqueType;\nexports.isQualifiedTypeIdentifier = isQualifiedTypeIdentifier;\nexports.isStringLiteralTypeAnnotation = isStringLiteralTypeAnnotation;\nexports.isStringTypeAnnotation = isStringTypeAnnotation;\nexports.isSymbolTypeAnnotation = isSymbolTypeAnnotation;\nexports.isThisTypeAnnotation = isThisTypeAnnotation;\nexports.isTupleTypeAnnotation = isTupleTypeAnnotation;\nexports.isTypeofTypeAnnotation = isTypeofTypeAnnotation;\nexports.isTypeAlias = isTypeAlias;\nexports.isTypeAnnotation = isTypeAnnotation;\nexports.isTypeCastExpression = isTypeCastExpression;\nexports.isTypeParameter = isTypeParameter;\nexports.isTypeParameterDeclaration = isTypeParameterDeclaration;\nexports.isTypeParameterInstantiation = isTypeParameterInstantiation;\nexports.isUnionTypeAnnotation = isUnionTypeAnnotation;\nexports.isVariance = isVariance;\nexports.isVoidTypeAnnotation = isVoidTypeAnnotation;\nexports.isEnumDeclaration = isEnumDeclaration;\nexports.isEnumBooleanBody = isEnumBooleanBody;\nexports.isEnumNumberBody = isEnumNumberBody;\nexports.isEnumStringBody = isEnumStringBody;\nexports.isEnumSymbolBody = isEnumSymbolBody;\nexports.isEnumBooleanMember = isEnumBooleanMember;\nexports.isEnumNumberMember = isEnumNumberMember;\nexports.isEnumStringMember = isEnumStringMember;\nexports.isEnumDefaultedMember = isEnumDefaultedMember;\nexports.isJSXAttribute = isJSXAttribute;\nexports.isJSXClosingElement = isJSXClosingElement;\nexports.isJSXElement = isJSXElement;\nexports.isJSXEmptyExpression = isJSXEmptyExpression;\nexports.isJSXExpressionContainer = isJSXExpressionContainer;\nexports.isJSXSpreadChild = isJSXSpreadChild;\nexports.isJSXIdentifier = isJSXIdentifier;\nexports.isJSXMemberExpression = isJSXMemberExpression;\nexports.isJSXNamespacedName = isJSXNamespacedName;\nexports.isJSXOpeningElement = isJSXOpeningElement;\nexports.isJSXSpreadAttribute = isJSXSpreadAttribute;\nexports.isJSXText = isJSXText;\nexports.isJSXFragment = isJSXFragment;\nexports.isJSXOpeningFragment = isJSXOpeningFragment;\nexports.isJSXClosingFragment = isJSXClosingFragment;\nexports.isNoop = isNoop;\nexports.isPlaceholder = isPlaceholder;\nexports.isV8IntrinsicIdentifier = isV8IntrinsicIdentifier;\nexports.isArgumentPlaceholder = isArgumentPlaceholder;\nexports.isBindExpression = isBindExpression;\nexports.isClassProperty = isClassProperty;\nexports.isPipelineTopicExpression = isPipelineTopicExpression;\nexports.isPipelineBareFunction = isPipelineBareFunction;\nexports.isPipelinePrimaryTopicReference = isPipelinePrimaryTopicReference;\nexports.isClassPrivateProperty = isClassPrivateProperty;\nexports.isClassPrivateMethod = isClassPrivateMethod;\nexports.isImportAttribute = isImportAttribute;\nexports.isDecorator = isDecorator;\nexports.isDoExpression = isDoExpression;\nexports.isExportDefaultSpecifier = isExportDefaultSpecifier;\nexports.isPrivateName =

isPrivateName;\nexports.isRecordExpression = isRecordExpression;\nexports.isTupleExpression =
isTupleExpression;\nexports.isDecimalLiteral = isDecimalLiteral;\nexports.isStaticBlock =
isStaticBlock;\nexports.isTSParameterProperty = isTSParameterProperty;\nexports.isTSDeclareFunction =
isTSDeclareFunction;\nexports.isTSDeclareMethod = isTSDeclareMethod;\nexports.isTSQualifiedName =
isTSQualifiedName;\nexports.isTSCallSignatureDeclaration =
isTSCallSignatureDeclaration;\nexports.isTSConstructSignatureDeclaration =
isTSConstructSignatureDeclaration;\nexports.isTSPropertySignature =
isTSPropertySignature;\nexports.isTSMethodSignature = isTSMethodSignature;\nexports.isTSIndexSignature =
isTSIndexSignature;\nexports.isTSAnyKeyword = isTSAnyKeyword;\nexports.isTSBooleanKeyword =
isTSBooleanKeyword;\nexports.isTSBigIntKeyword = isTSBigIntKeyword;\nexports.isTSIntrinsicKeyword =
isTSIntrinsicKeyword;\nexports.isTSNeverKeyword = isTSNeverKeyword;\nexports.isTSNullKeyword =
isTSNullKeyword;\nexports.isTSNumberKeyword = isTSNumberKeyword;\nexports.isTSObjectKeyword =
isTSObjectKeyword;\nexports.isTSStringKeyword = isTSStringKeyword;\nexports.isTSSymbolKeyword =
isTSSymbolKeyword;\nexports.isTSUndefinedKeyword =
isTSUndefinedKeyword;\nexports.isTSUnknownKeyword = isTSUnknownKeyword;\nexports.isTSVoidKeyword =
isTSVoidKeyword;\nexports.isTSThisType = isTSThisType;\nexports.isTSFunctionType =
isTSFunctionType;\nexports.isTSConstructorType = isTSConstructorType;\nexports.isTSTypeReference =
isTSTypeReference;\nexports.isTSTypePredicate = isTSTypePredicate;\nexports.isTSTypeQuery =
isTSTypeQuery;\nexports.isTSTypeLiteral = isTSTypeLiteral;\nexports.isTSArrayType =
isTSArrayType;\nexports.isTSTupleType = isTSTupleType;\nexports.isTSOptionalType =
isTSOptionalType;\nexports.isTSRestType = isTSRestType;\nexports.isTSNamedTupleMember =
isTSNamedTupleMember;\nexports.isTSUnionType = isTSUnionType;\nexports.isTSIntersectionType =
isTSIntersectionType;\nexports.isTSConditionalType = isTSConditionalType;\nexports.isTSInferType =
isTSInferType;\nexports.isTSParenthesizedType = isTSParenthesizedType;\nexports.isTSTypeOperator =
isTSTypeOperator;\nexports.isTSIndexedAccessType = isTSIndexedAccessType;\nexports.isTSMappedType =
isTSMappedType;\nexports.isTSLiteralType = isTSLiteralType;\nexports.isTSExpressionWithTypeArguments =
isTSExpressionWithTypeArguments;\nexports.isTSInterfaceDeclaration =
isTSInterfaceDeclaration;\nexports.isTSInterfaceBody = isTSInterfaceBody;\nexports.isTSTypeAliasDeclaration =
isTSTypeAliasDeclaration;\nexports.isTSAsExpression = isTSAsExpression;\nexports.isTSTypeAssertion =
isTSTypeAssertion;\nexports.isTSEnumDeclaration = isTSEnumDeclaration;\nexports.isTSEnumMember =
isTSEnumMember;\nexports.isTSModuleDeclaration = isTSModuleDeclaration;\nexports.isTSModuleBlock =
isTSModuleBlock;\nexports.isTSImportType = isTSImportType;\nexports.isTSImportEqualsDeclaration =
isTSImportEqualsDeclaration;\nexports.isTSExternalModuleReference =
isTSExternalModuleReference;\nexports.isTSNonNullExpression =
isTSNonNullExpression;\nexports.isTSExportAssignment =
isTSExportAssignment;\nexports.isTSNamespaceExportDeclaration =
isTSNamespaceExportDeclaration;\nexports.isTSTypeAnnotation =
isTSTypeAnnotation;\nexports.isTSTypeParameterInstantiation =
isTSTypeParameterInstantiation;\nexports.isTSTypeParameterDeclaration =
isTSTypeParameterDeclaration;\nexports.isTSTypeParameter = isTSTypeParameter;\nexports.isExpression =
isExpression;\nexports.isBinary = isBinary;\nexports.isScopable = isScopable;\nexports.isBlockParent =
isBlockParent;\nexports.isBlock = isBlock;\nexports.isStatement = isStatement;\nexports.isTerminatorless =
isTerminatorless;\nexports.isCompletionStatement = isCompletionStatement;\nexports.isConditional =
isConditional;\nexports.isLoop = isLoop;\nexports.isWhile = isWhile;\nexports.isExpressionWrapper =
isExpressionWrapper;\nexports.isFor = isFor;\nexports.isForXStatement = isForXStatement;\nexports.isFunction =
isFunction;\nexports.isFunctionParent = isFunctionParent;\nexports.isPureish = isPureish;\nexports.isDeclaration =
isDeclaration;\nexports.isPatternLike = isPatternLike;\nexports.isLVal = isLVal;\nexports.isTSEntityName =
isTSEntityName;\nexports.isLiteral = isLiteral;\nexports.isImmutable = isImmutable;\nexports.isUserWhitespacable

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= isUserWhitespacable;\nexports.isMethod = isMethod;\nexports.isObjectMember =
isObjectMember;\nexports.isProperty = isProperty;\nexports.isUnaryLike = isUnaryLike;\nexports.isPattern =
isPattern;\nexports.isClass = isClass;\nexports.isModuleDeclaration =
isModuleDeclaration;\nexports.isExportDeclaration = isExportDeclaration;\nexports.isModuleSpecifier =
isModuleSpecifier;\nexports.isFlow = isFlow;\nexports.isFlowType = isFlowType;\nexports.isFlowBaseAnnotation
= isFlowBaseAnnotation;\nexports.isFlowDeclaration = isFlowDeclaration;\nexports.isFlowPredicate =
isFlowPredicate;\nexports.isEnumBody = isEnumBody;\nexports.isEnumMember =
isEnumMember;\nexports.isJSX = isJSX;\nexports.isPrivate = isPrivate;\nexports.isTSTypeElement =
isTSTypeElement;\nexports.isTSType = isTSType;\nexports.isTSBaseType =
isTSBaseType;\nexports.isNumberLiteral = isNumberLiteral;\nexports.isRegexLiteral =
isRegexLiteral;\nexports.isRestProperty = isRestProperty;\nexports.isSpreadProperty = isSpreadProperty;\n\nnvar
_shallowEqual = _interopRequireDefault(require(\"../utils/shallowEqual\"));\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction
isArrayExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"ArrayExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isAssignmentExpression(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"AssignmentExpression\") {\n
if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isBinaryExpression(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"BinaryExpression\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isInterpreterDirective(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"InterpreterDirective\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isDirective(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"Directive\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isDirectiveLiteral(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"DirectiveLiteral\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isBlockStatement(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"BlockStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n
} else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isBreakStatement(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"BreakStatement\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isCallExpression(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"CallExpression\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isCatchClause(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"CatchClause\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isConditionalExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"ConditionalExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isContinueStatement(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ContinueStatement\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isDebuggerStatement(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"DebuggerStatement\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return

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(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"WhileStatement\") {\n   if (typeof opts\n   === \"undefined\") {\n     return true;\n   } else {\n     return (0, _shallowEqual.default)(node, opts);\n   }\n }\n\n return false;\n}\n\nfunction isWithStatement(node, opts) {\n  if (!node) return false;\n  const nodeType =\n  node.type;\n\n  if (nodeType === \"WithStatement\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }\n    else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction\n  isAssignmentPattern(node, opts) {\n    if (!node) return false;\n    const nodeType = node.type;\n\n    if (nodeType ===\n    \"AssignmentPattern\") {\n      if (typeof opts === \"undefined\") {\n        return true;\n      } else {\n        return (0,\n        _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return false;\n  }\n\n  function isArrayPattern(node, opts) {\n    if\n    (!node) return false;\n    const nodeType = node.type;\n\n    if (nodeType === \"ArrayPattern\") {\n      if (typeof opts\n      === \"undefined\") {\n        return true;\n      } else {\n        return (0, _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return false;\n  }\n\n  function isArrowFunctionExpression(node, opts) {\n    if (!node) return false;\n    const nodeType =\n    node.type;\n\n    if (nodeType === \"ArrowFunctionExpression\") {\n      if (typeof opts === \"undefined\") {\n        return true;\n      } else {\n        return (0, _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return\n    false;\n  }\n\n  function isClassBody(node, opts) {\n    if (!node) return false;\n    const nodeType = node.type;\n\n    if\n    (nodeType === \"ClassBody\") {\n      if (typeof opts === \"undefined\") {\n        return true;\n      } else {\n        return\n        (0, _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return false;\n  }\n\n  function isClassExpression(node, opts) {\n    if\n    (!node) return false;\n    const nodeType = node.type;\n\n    if (nodeType === \"ClassExpression\") {\n      if (typeof\n      opts === \"undefined\") {\n        return true;\n      } else {\n        return (0, _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return false;\n  }\n\n  function isClassDeclaration(node, opts) {\n    if (!node) return false;\n    const nodeType =\n    node.type;\n\n    if (nodeType === \"ClassDeclaration\") {\n      if (typeof opts === \"undefined\") {\n        return true;\n      }\n      else {\n        return (0, _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return false;\n  }\n\n  function\n  isExportAllDeclaration(node, opts) {\n    if (!node) return false;\n    const nodeType = node.type;\n\n    if (nodeType\n    === \"ExportAllDeclaration\") {\n      if (typeof opts === \"undefined\") {\n        return true;\n      } else {\n        return (0,\n        _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return false;\n  }\n\n  function isExportDefaultDeclaration(node,\n  opts) {\n    if (!node) return false;\n    const nodeType = node.type;\n\n    if (nodeType ===\n    \"ExportDefaultDeclaration\") {\n      if (typeof opts === \"undefined\") {\n        return true;\n      } else {\n        return (0,\n        _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return false;\n  }\n\n  function isExportNamedDeclaration(node,\n  opts) {\n    if (!node) return false;\n    const nodeType = node.type;\n\n    if (nodeType ===\n    \"ExportNamedDeclaration\") {\n      if (typeof opts === \"undefined\") {\n        return true;\n      } else {\n        return (0,\n        _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return false;\n  }\n\n  function isExportSpecifier(node, opts) {\n    if\n    (!node) return false;\n    const nodeType = node.type;\n\n    if (nodeType === \"ExportSpecifier\") {\n      if (typeof opts\n      === \"undefined\") {\n        return true;\n      } else {\n        return (0, _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return\n    false;\n  }\n\n  function isForOfStatement(node, opts) {\n    if (!node) return false;\n    const nodeType =\n    node.type;\n\n    if (nodeType === \"ForOfStatement\") {\n      if (typeof opts === \"undefined\") {\n        return true;\n      }\n      else {\n        return (0, _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return false;\n  }\n\n  function\n  isImportDeclaration(node, opts) {\n    if (!node) return false;\n    const nodeType = node.type;\n\n    if (nodeType ===\n    \"ImportDeclaration\") {\n      if (typeof opts === \"undefined\") {\n        return true;\n      } else {\n        return (0,\n        _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return false;\n  }\n\n  function isImportDefaultSpecifier(node, opts)\n  {\n    if (!node) return false;\n    const nodeType = node.type;\n\n    if (nodeType === \"ImportDefaultSpecifier\") {\n      if\n      (typeof opts === \"undefined\") {\n        return true;\n      } else {\n        return (0, _shallowEqual.default)(node,\n        opts);\n      }\n    }\n\n    return false;\n  }\n\n  function isImportNamespaceSpecifier(node, opts) {\n    if (!node) return\n    false;\n    const nodeType = node.type;\n\n    if (nodeType === \"ImportNamespaceSpecifier\") {\n      if (typeof opts\n      === \"undefined\") {\n        return true;\n      } else {\n        return (0, _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return\n    false;\n  }\n\n  function isImportSpecifier(node, opts) {\n    if (!node) return false;\n    const nodeType =\n    node.type;\n\n    if (nodeType === \"ImportSpecifier\") {\n      if (typeof opts === \"undefined\") {\n        return true;\n      }\n      else {\n        return (0, _shallowEqual.default)(node, opts);\n      }\n    }\n\n    return false;\n  }\n\n  function\n  isMetaProperty(node, opts) {\n    if (!node) return false;\n    const nodeType = node.type;\n\n    if (nodeType ===\n    \"MetaProperty\") {\n      if (typeof opts === \"undefined\") {\n        return true;\n      } else {\n        return (0,\n

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    _shallowEqual.default)(node, opts);
  }
}

return false;

function isClassMethod(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "ClassMethod") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isObjectPattern(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "ObjectPattern") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isSpreadElement(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "SpreadElement") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isSuper(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "Super") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTaggedTemplateExpression(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TaggedTemplateExpression") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTemplateElement(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TemplateElement") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTemplateLiteral(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TemplateLiteral") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isYieldExpression(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "YieldExpression") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isAwaitExpression(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "AwaitExpression") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isImport(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "Import") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isBigIntLiteral(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "BigIntLiteral") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isExportNamespaceSpecifier(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "ExportNamespaceSpecifier") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isOptionalMemberExpression(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "OptionalMemberExpression") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isOptionalCallExpression(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "OptionalCallExpression") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isAnyTypeAnnotation(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "AnyTypeAnnotation") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isArrayTypeAnnotation(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "ArrayTypeAnnotation") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isBooleanTypeAnnotation(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "BooleanTypeAnnotation") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isBooleanLiteralTypeAnnotation(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "BooleanLiteralTypeAnnotation") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

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(nodeType === \"BooleanLiteralTypeAnnotation\") {\n  if (typeof opts === \"undefined\") {\n    return true;\n  }
else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n}\n\nreturn false;\n}\n\nfunction
isNullLiteralTypeAnnotation(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if
(nodeType === \"NullLiteralTypeAnnotation\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isClassImplements(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"ClassImplements\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isDeclareClass(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"DeclareClass\") {\n    if (typeof
opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n
    }\n  }\n\n  return false;\n}\n\nfunction isDeclareFunction(node, opts) {\n  if (!node) return false;\n  const
nodeType =
node.type;\n\n  if (nodeType === \"DeclareFunction\") {\n    if (typeof opts === \"undefined\") {\n      return
true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isDeclareInterface(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"DeclareInterface\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isDeclareModule(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"DeclareModule\") {\n    if (typeof
opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n
    }\n  }\n\n  return false;\n}\n\nfunction isDeclareModuleExports(node, opts) {\n  if (!node) return false;\n
const nodeType =
node.type;\n\n  if (nodeType === \"DeclareModuleExports\") {\n    if (typeof opts === \"undefined\") {\n      return
true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isDeclareTypeAlias(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"DeclareTypeAlias\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isDeclareOpaqueType(node, opts)
{\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"DeclareOpaqueType\") {\n    if
(typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node,
opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isDeclareVariable(node, opts) {\n  if (!node) return false;\n
const nodeType =
node.type;\n\n  if (nodeType === \"DeclareVariable\") {\n    if (typeof opts === \"undefined\") {\n      return
true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isDeclareExportDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if
(nodeType === \"DeclareExportDeclaration\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else
{\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isDeclareExportAllDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if
(nodeType === \"DeclareExportAllDeclaration\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isDeclaredPredicate(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"DeclaredPredicate\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isExistsTypeAnnotation(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"ExistsTypeAnnotation\")
{\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(
node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isFunctionTypeAnnotation(node, opts) {\n  if (!node)
return false;\n  const
nodeType = node.type;\n\n  if (nodeType === \"FunctionTypeAnnotation\") {\n    if (typeof opts === \"undefined\")
{\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return
false;\n}\n\nfunction isFunctionTypeParam(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"FunctionTypeParam\") {\n    if (typeof opts === \"undefined\") {\n      return
true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction
isGenericTypeAnnotation(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType
=== \"GenericTypeAnnotation\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return

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(0, _shallowEqual.default)(node, opts);
}
}
return false;
}
function isInferredPredicate(node, opts)
{
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "InferredPredicate") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isInterfaceExtends(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "InterfaceExtends") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isInterfaceDeclaration(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "InterfaceDeclaration") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isInterfaceTypeAnnotation(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "InterfaceTypeAnnotation") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isIntersectionTypeAnnotation(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "IntersectionTypeAnnotation") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isMixedTypeAnnotation(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "MixedTypeAnnotation") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isEmptyTypeAnnotation(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "EmptyTypeAnnotation") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isNullableTypeAnnotation(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "NullableTypeAnnotation") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isNumberLiteralTypeAnnotation(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "NumberLiteralTypeAnnotation") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isNumberTypeAnnotation(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "NumberTypeAnnotation") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isObjectTypeAnnotation(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "ObjectTypeAnnotation") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isObjectTypeInternalSlot(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "ObjectTypeInternalSlot") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isObjectTypeCallProperty(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "ObjectTypeCallProperty") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isObjectTypeIndexer(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "ObjectTypeIndexer") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isObjectTypeProperty(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "ObjectTypeProperty") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isObjectTypeSpreadProperty(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "ObjectTypeSpreadProperty") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
function isOpaqueType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "OpaqueType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}
}
}

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if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"JSXSpreadAttribute\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isJSXText(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"JSXText\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else
{\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isJSXFragment(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"JSXFragment\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isJSXOpeningFragment(node, opts)
{\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"JSXOpeningFragment\") {\n if
(typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isJSXClosingFragment(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"JSXClosingFragment\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return
false;\n}\n\nfunction isNoop(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if
(nodeType === \"Noop\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isPlaceholder(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"Placeholder\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isV8IntrinsicIdentifier(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"V8IntrinsicIdentifier\") {\n if (typeof opts === \"undefined\") {\n return
true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isArgumentPlaceholder(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"ArgumentPlaceholder\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isBindExpression(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"BindExpression\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isClassProperty(node, opts) {\n if (!node) return false;\n const nodeType =
node.type;\n\n if (nodeType === \"ClassProperty\") {\n if (typeof opts === \"undefined\") {\n return true;\n }
else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isPipelineTopicExpression(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType
=== \"PipelineTopicExpression\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isPipelineBareFunction(node,
opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"PipelineBareFunction\")
{\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node,
opts);\n }\n }\n\n return false;\n}\n\nfunction isPipelinePrimaryTopicReference(node, opts) {\n if (!node)
return false;\n const nodeType = node.type;\n\n if (nodeType === \"PipelinePrimaryTopicReference\") {\n if (typeof
opts === \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n
}\n\n return false;\n}\n\nfunction isClassPrivateProperty(node, opts) {\n if (!node) return false;\n const
nodeType = node.type;\n\n if (nodeType === \"ClassPrivateProperty\") {\n if (typeof opts === \"undefined\") {\n
return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction
isClassPrivateMethod(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n if (nodeType ===
\"ClassPrivateMethod\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return (0,
_shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isImportAttribute(node, opts) {\n if
(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"ImportAttribute\") {\n if (typeof opts
=== \"undefined\") {\n return true;\n } else {\n return (0, _shallowEqual.default)(node, opts);\n }\n }\n\n
return false;\n}\n\nfunction isDecorator(node, opts) {\n if (!node) return false;\n const nodeType = node.type;\n\n
if (nodeType === \"Decorator\") {\n if (typeof opts === \"undefined\") {\n return true;\n } else {\n return
(0, _shallowEqual.default)(node, opts);\n }\n }\n\n return false;\n}\n\nfunction isDoExpression(node, opts) {\n if

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(!node) return false;\n const nodeType = node.type;\n\n if (nodeType === \"DoExpression\") {\n   if (typeof opts === \"undefined\") {\n     return true;\n   } else {\n     return (0, _shallowEqual.default)(node, opts);\n   }\n }\n\n return false;\n}\n\nfunction isExportDefaultSpecifier(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"ExportDefaultSpecifier\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isPrivateName(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"PrivateName\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isRecordExpression(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"RecordExpression\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTupleExpression(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TupleExpression\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isDecimalLiteral(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"DecimalLiteral\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isStaticBlock(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"StaticBlock\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSParameterProperty(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSParameterProperty\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSDeclareFunction(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSDeclareFunction\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSDeclareMethod(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSDeclareMethod\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSQualifiedName(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSQualifiedName\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSCallSignatureDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSCallSignatureDeclaration\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSConstructSignatureDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSConstructSignatureDeclaration\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSPropertySignature(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSPropertySignature\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSMethodSignature(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSMethodSignature\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSIndexSignature(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSIndexSignature\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSAnyKeyword(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSAnyKeyword\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isTSBooleanKeyword(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSBooleanKeyword\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,

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    _shallowEqual.default)(node, opts);
  }
}

return false;
}

function isTSBigIntKeyword(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSBigIntKeyword") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSIntrinsicKeyword(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSIntrinsicKeyword") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSNeverKeyword(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSNeverKeyword") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSNullKeyword(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSNullKeyword") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSNumberKeyword(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSNumberKeyword") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSObjectKeyword(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSObjectKeyword") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSStringKeyword(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSStringKeyword") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSSymbolKeyword(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSSymbolKeyword") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSUndefinedKeyword(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSUndefinedKeyword") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSUnknownKeyword(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSUnknownKeyword") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSVoidKeyword(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSVoidKeyword") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSThisType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSThisType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSFunctionType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSFunctionType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSConstructorType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSConstructorType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSTypeReference(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSTypeReference") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSTypePredicate(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSTypePredicate") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSTypeQuery(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSTypeQuery") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSTypeLiteral(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSTypeLiteral") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0,

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    _shallowEqual.default)(node, opts);
  }
}

return false;
}

function isArrayType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSArrayType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSTupleType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSTupleType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSOptionalType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSOptionalType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSRestType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSRestType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSNamedTupleMember(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSNamedTupleMember") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSUnionType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSUnionType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSIntersectionType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSIntersectionType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSConditionalType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSConditionalType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSInferType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSInferType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSParenthesizedType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSParenthesizedType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSTypeOperator(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSTypeOperator") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSIndexedAccessType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSIndexedAccessType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSMappedType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSMappedType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSLiteralType(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSLiteralType") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSExpressionWithTypeArguments(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSExpressionWithTypeArguments") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSInterfaceDeclaration(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSInterfaceDeclaration") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSInterfaceBody(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType === "TSInterfaceBody") {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isTSTypeAliasDeclaration(node, opts) {
  if (!node) return false;
  const nodeType = node.type;
  if (nodeType ===

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\"TSTypeAliasDeclaration\") {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return (0,
_shallowEqual.default)(node, opts);\n  }\n}\n\n return false;\n}\n\nfunction isTSAsExpression(node, opts) {\n  if
(!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSAsExpression\") {\n    if (typeof
opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n
}\n\n return false;\n}\n\nfunction isTSTypeAssertion(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"TSTypeAssertion\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n
    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return false;\n}\n\nfunction
isTSEnumDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSEnumDeclaration\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return false;\n}\n\nfunction isTSEnumMember(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSEnumMember\") {\n    if (typeof
opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n
}\n\n return false;\n}\n\nfunction isTSMModuleDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType
= node.type;\n\n  if (nodeType === \"TSMModuleDeclaration\") {\n    if (typeof opts === \"undefined\") {\n      return
true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return false;\n}\n\nfunction
isTSMModuleBlock(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSMModuleBlock\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return false;\n}\n\nfunction isTSImportType(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"TSImportType\") {\n    if (typeof
opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n
}\n\n return false;\n}\n\nfunction isTSImportEqualsDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType
= node.type;\n\n  if (nodeType === \"TSImportEqualsDeclaration\") {\n    if (typeof opts === \"undefined\") {\n      return
true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return
false;\n}\n\nfunction isTSExternalModuleReference(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"TSExternalModuleReference\") {\n    if (typeof opts === \"undefined\") {\n      return
true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return
false;\n}\n\nfunction isTSNonNullExpression(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"TSNonNullExpression\") {\n    if (typeof opts === \"undefined\") {\n      return
true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return
false;\n}\n\nfunction isTSExportAssignment(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n
if (nodeType === \"TSExportAssignment\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n
return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return false;\n}\n\nfunction
isTSNamespaceExportDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if
(nodeType === \"TSNamespaceExportDeclaration\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return false;\n}\n\nfunction
isTSTypeAnnotation(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSTypeAnnotation\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return false;\n}\n\nfunction
isTSTypeParameterInstantiation(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if
(nodeType === \"TSTypeParameterInstantiation\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return false;\n}\n\nfunction
isTSTypeParameterDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if
(nodeType === \"TSTypeParameterDeclaration\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return false;\n}\n\nfunction
isTSTypeParameter(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"TSTypeParameter\") {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n}\n\n return false;\n}\n\nfunction isExpression(node, opts) {\n  if
(!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"Expression\" || \"ArrayExpression\"

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=== nodeType || \"AssignmentExpression\" === nodeType || \"BinaryExpression\" === nodeType ||
\"CallExpression\" === nodeType || \"ConditionalExpression\" === nodeType || \"FunctionExpression\" ===
nodeType || \"Identifier\" === nodeType || \"StringLiteral\" === nodeType || \"NumericLiteral\" === nodeType ||
\"NullLiteral\" === nodeType || \"BooleanLiteral\" === nodeType || \"RegExpLiteral\" === nodeType ||
\"LogicalExpression\" === nodeType || \"MemberExpression\" === nodeType || \"NewExpression\" === nodeType
|| \"ObjectExpression\" === nodeType || \"SequenceExpression\" === nodeType || \"ParenthesizedExpression\" ===
nodeType || \"ThisExpression\" === nodeType || \"UnaryExpression\" === nodeType || \"UpdateExpression\" ===
nodeType || \"ArrowFunctionExpression\" === nodeType || \"ClassExpression\" === nodeType || \"MetaProperty\"
=== nodeType || \"Super\" === nodeType || \"TaggedTemplateExpression\" === nodeType || \"TemplateLiteral\"
=== nodeType || \"YieldExpression\" === nodeType || \"AwaitExpression\" === nodeType || \"Import\" ===
nodeType || \"BigIntLiteral\" === nodeType || \"OptionalMemberExpression\" === nodeType ||
\"OptionalCallExpression\" === nodeType || \"TypeCastExpression\" === nodeType || \"JSXElement\" ===
nodeType || \"JSXFragment\" === nodeType || \"BindExpression\" === nodeType ||
\"PipelinePrimaryTopicReference\" === nodeType || \"DoExpression\" === nodeType || \"RecordExpression\" ===
nodeType || \"TupleExpression\" === nodeType || \"DecimalLiteral\" === nodeType || \"TSAsExpression\" ===
nodeType || \"TSTypeAssertion\" === nodeType || \"TSNonNullExpression\" === nodeType || nodeType ===
\"Placeholder\" && (\"Expression\" === node.expectedNode || \"Identifier\" === node.expectedNode ||
\"StringLiteral\" === node.expectedNode) {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n
    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nfunction isBinary(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n  if (nodeType === \"Binary\" || \"BinaryExpression\" ===
nodeType || \"LogicalExpression\" === nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    }
else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n return false;\n}\n\nfunction
isScopable(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  if (nodeType ===
\"Scopable\" || \"BlockStatement\" === nodeType || \"CatchClause\" === nodeType || \"DoWhileStatement\" ===
nodeType || \"ForInStatement\" === nodeType || \"ForStatement\" === nodeType || \"FunctionDeclaration\" ===
nodeType || \"FunctionExpression\" === nodeType || \"Program\" === nodeType || \"ObjectMethod\" === nodeType
|| \"SwitchStatement\" === nodeType || \"WhileStatement\" === nodeType || \"ArrowFunctionExpression\" ===
nodeType || \"ClassExpression\" === nodeType || \"ClassDeclaration\" === nodeType || \"ForOfStatement\" ===
nodeType || \"ClassMethod\" === nodeType || \"ClassPrivateMethod\" === nodeType || \"StaticBlock\" ===
nodeType || \"TSMODULEBLOCK\" === nodeType || nodeType === \"Placeholder\" && \"BlockStatement\" ===
node.expectedNode) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n return false;\n}\n\nfunction isBlockParent(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n  if (nodeType === \"BlockParent\" || \"BlockStatement\"
=== nodeType || \"CatchClause\" === nodeType || \"DoWhileStatement\" === nodeType || \"ForInStatement\" ===
nodeType || \"ForStatement\" === nodeType || \"FunctionDeclaration\" === nodeType || \"FunctionExpression\" ===
nodeType || \"Program\" === nodeType || \"ObjectMethod\" === nodeType || \"SwitchStatement\" === nodeType ||
\"WhileStatement\" === nodeType || \"ArrowFunctionExpression\" === nodeType || \"ForOfStatement\" ===
nodeType || \"ClassMethod\" === nodeType || \"ClassPrivateMethod\" === nodeType || \"StaticBlock\" ===
nodeType || \"TSMODULEBLOCK\" === nodeType || nodeType === \"Placeholder\" && \"BlockStatement\" ===
node.expectedNode) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n return false;\n}\n\nfunction isBlock(node, opts) {\n  if (!node)
return false;\n  const nodeType = node.type;\n  if (nodeType === \"Block\" || \"BlockStatement\" === nodeType ||
\"Program\" === nodeType || \"TSMODULEBLOCK\" === nodeType || nodeType === \"Placeholder\" &&
\"BlockStatement\" === node.expectedNode) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else
{\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n return false;\n}\n\nfunction isStatement(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  if (nodeType === \"Statement\" ||
\"BlockStatement\" === nodeType || \"BreakStatement\" === nodeType || \"ContinueStatement\" === nodeType ||
\"DebuggerStatement\" === nodeType || \"DoWhileStatement\" === nodeType || \"EmptyStatement\" === nodeType

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    |\"ExpressionStatement\" === nodeType || \"ForInStatement\" === nodeType || \"ForStatement\" === nodeType ||
    |\"FunctionDeclaration\" === nodeType || \"IfStatement\" === nodeType || \"LabeledStatement\" === nodeType ||
    |\"ReturnStatement\" === nodeType || \"SwitchStatement\" === nodeType || \"ThrowStatement\" === nodeType ||
    |\"TryStatement\" === nodeType || \"VariableDeclaration\" === nodeType || \"WhileStatement\" === nodeType ||
    |\"WithStatement\" === nodeType || \"ClassDeclaration\" === nodeType || \"ExportAllDeclaration\" === nodeType ||
    |\"ExportDefaultDeclaration\" === nodeType || \"ExportNamedDeclaration\" === nodeType || \"ForOfStatement\"
    === nodeType || \"ImportDeclaration\" === nodeType || \"DeclareClass\" === nodeType || \"DeclareFunction\" ===
    nodeType || \"DeclareInterface\" === nodeType || \"DeclareModule\" === nodeType || \"DeclareModuleExports\"
    === nodeType || \"DeclareTypeAlias\" === nodeType || \"DeclareOpaqueType\" === nodeType ||
    |\"DeclareVariable\" === nodeType || \"DeclareExportDeclaration\" === nodeType ||
    |\"DeclareExportAllDeclaration\" === nodeType || \"InterfaceDeclaration\" === nodeType || \"OpaqueType\" ===
    nodeType || \"TypeAlias\" === nodeType || \"EnumDeclaration\" === nodeType || \"TSDeclareFunction\" ===
    nodeType || \"TSInterfaceDeclaration\" === nodeType || \"TSTypeAliasDeclaration\" === nodeType ||
    |\"TSEnumDeclaration\" === nodeType || \"TSMODULEDECLARATION\" === nodeType || \"TSImportEqualsDeclaration\"
    === nodeType || \"TSEXPORTASSIGNMENT\" === nodeType || \"TSNamespaceExportDeclaration\" === nodeType ||
    nodeType === \"Placeholder\" && (\"Statement\" === node.expectedNode || \"Declaration\" ===
    node.expectedNode || \"BlockStatement\" === node.expectedNode) {\n  if (typeof opts === \"undefined\") {\n
    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n return
    false;\n}\n\nfunction isTerminatorless(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  \n  if
    (nodeType === \"Terminatorless\" || \"BreakStatement\" === nodeType || \"ContinueStatement\" === nodeType ||
    |\"ReturnStatement\" === nodeType || \"ThrowStatement\" === nodeType || \"YieldExpression\" === nodeType ||
    |\"AwaitExpression\" === nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n
    return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  \n  return false;\n}\n\nfunction
    isCompletionStatement(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  \n  if (nodeType
    === \"CompletionStatement\" || \"BreakStatement\" === nodeType || \"ContinueStatement\" === nodeType ||
    |\"ReturnStatement\" === nodeType || \"ThrowStatement\" === nodeType) {\n    if (typeof opts === \"undefined\")
    {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  \n  return
    false;\n}\n\nfunction isConditional(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  \n  if
    (nodeType === \"Conditional\" || \"ConditionalExpression\" === nodeType || \"IfStatement\" === nodeType) {\n    if
    (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node,
    opts);\n    }\n  }\n  \n  return false;\n}\n\nfunction isLoop(node, opts) {\n  if (!node) return false;\n  const
    nodeType = node.type;\n  \n  if (nodeType === \"Loop\" || \"DoWhileStatement\" === nodeType || \"ForInStatement\"
    === nodeType || \"ForStatement\" === nodeType || \"WhileStatement\" === nodeType || \"ForOfStatement\" ===
    nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
    _shallowEqual.default)(node, opts);\n    }\n  }\n  \n  return false;\n}\n\nfunction isWhile(node, opts) {\n  if
    (!node) return false;\n  const nodeType = node.type;\n  \n  if (nodeType === \"While\" || \"DoWhileStatement\"
    === nodeType || \"WhileStatement\" === nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n
    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  \n  return false;\n}\n\nfunction
    isExpressionWrapper(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n  \n  if (nodeType
    === \"ExpressionWrapper\" || \"ExpressionStatement\" === nodeType || \"ParenthesizedExpression\" === nodeType ||
    |\"TypeCastExpression\" === nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n
    return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n  \n  return false;\n}\n\nfunction isFor(node, opts) {\n
    if (!node) return false;\n  const nodeType = node.type;\n  \n  if (nodeType === \"For\" || \"ForInStatement\"
    === nodeType || \"ForStatement\" === nodeType || \"ForOfStatement\" === nodeType) {\n    if (typeof opts ===
    \"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n
    }\n  \n  return false;\n}\n\nfunction isForXStatement(node, opts) {\n  if (!node) return false;\n  const
    nodeType = node.type;\n  \n  if (nodeType === \"ForXStatement\" || \"ForInStatement\" === nodeType || \"ForOfStatement\"
    === nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,

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    _shallowEqual.default)(node, opts);
  }
}

return false;

function isFunction(node, opts) {
  if (!node)
    return false;
  const nodeType = node.type;
  if (nodeType === "Function" || "FunctionDeclaration" ===
    nodeType || "FunctionExpression" === nodeType || "ObjectMethod" ===
    nodeType || "ArrowFunctionExpression" === nodeType || "ClassMethod" ===
    nodeType || "ClassPrivateMethod" ===
    nodeType) {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0,
        _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isFunctionParent(node, opts) {
  if (!node)
    return false;
  const nodeType = node.type;
  if (nodeType === "FunctionParent" ||
    "FunctionDeclaration" === nodeType || "FunctionExpression" ===
    nodeType || "ObjectMethod" === nodeType || "ClassPrivateMethod" ===
    nodeType) {
    if (typeof opts === "undefined") {
      return true;
    } else {
      return (0,
        _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isPureish(node, opts) {
  if (!node)
    return false;
  const nodeType = node.type;
  if (nodeType === "Pureish" || "FunctionDeclaration" ===
    nodeType || "FunctionExpression" === nodeType || "StringLiteral" ===
    nodeType || "NumericLiteral" ===
    nodeType || "NullLiteral" === nodeType || "BooleanLiteral" ===
    nodeType || "RegExpLiteral" === nodeType ||
    "ArrowFunctionExpression" === nodeType || "BigIntLiteral" ===
    nodeType || "DecimalLiteral" === nodeType
    || nodeType === "Placeholder" && "StringLiteral" ===
    node.expectedNode) {
    if (typeof opts ===
      "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return false;
}

function isDeclaration(node, opts) {
  if (!node)
    return false;
  const nodeType = node.type;
  if (nodeType === "Declaration" || "FunctionDeclaration" ===
    nodeType || "VariableDeclaration" === nodeType
    || "ClassDeclaration" === nodeType || "ExportAllDeclaration" ===
    nodeType || "ExportDefaultDeclaration" ===
    nodeType || "ExportNamedDeclaration" ===
    nodeType || "ImportDeclaration" ===
    nodeType || "DeclareClass" ===
    nodeType || "DeclareFunction" ===
    nodeType || "DeclareInterface" ===
    nodeType || "DeclareModule" ===
    nodeType || "DeclareModuleExports" ===
    nodeType || "DeclareTypeAlias" ===
    nodeType || "DeclareOpaqueType" ===
    nodeType || "DeclareVariable" ===
    nodeType || "DeclareExportDeclaration" ===
    nodeType || "DeclareExportAllDeclaration" ===
    nodeType || "InterfaceDeclaration" ===
    nodeType || "OpaqueType" ===
    nodeType || "TypeAlias" ===
    nodeType || "EnumDeclaration" ===
    nodeType || "TSDeclareFunction" ===
    nodeType || "TSInterfaceDeclaration" ===
    nodeType || "TSTypeAliasDeclaration" ===
    nodeType || "TSEnumDeclaration" ===
    nodeType || "TSModuleDeclaration" ===
    nodeType || nodeType
    === "Placeholder" && "Declaration" ===
    node.expectedNode) {
    if (typeof opts ===
      "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node, opts);
    }
  }
  return
  false;
}

function isPatternLike(node, opts) {
  if (!node)
    return false;
  const nodeType = node.type;
  if (nodeType === "PatternLike" || "Identifier" ===
    nodeType || "RestElement" ===
    nodeType || "AssignmentPattern" ===
    nodeType || "ArrayPattern" ===
    nodeType || "ObjectPattern" ===
    nodeType ||
    nodeType === "Placeholder" && ("Pattern" ===
    node.expectedNode || "Identifier" ===
    node.expectedNode)) {
    if (typeof opts ===
      "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node,
        opts);
    }
  }
  return false;
}

function isLVal(node, opts) {
  if (!node)
    return false;
  const nodeType =
    node.type;
  if (nodeType === "LVal" || "Identifier" ===
    nodeType || "MemberExpression" ===
    nodeType ||
    "RestElement" === nodeType || "AssignmentPattern" ===
    nodeType || "ArrayPattern" ===
    nodeType ||
    "ObjectPattern" === nodeType || "TSParameterProperty" ===
    nodeType || nodeType === "Placeholder" &&
    ("Pattern" === node.expectedNode ||
    "Identifier" === node.expectedNode)) {
    if (typeof opts ===
      "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node,
        opts);
    }
  }
  return
  false;
}

function isTSEntityName(node, opts) {
  if (!node)
    return false;
  const nodeType =
    node.type;
  if (nodeType === "TSEntityName" || "Identifier" ===
    nodeType || "TSQualifiedName" ===
    nodeType || nodeType === "Placeholder" &&
    "Identifier" === node.expectedNode) {
    if (typeof opts ===
      "undefined") {
      return true;
    } else {
      return (0, _shallowEqual.default)(node,
        opts);
    }
  }
  return
  false;
}

function isLiteral(node, opts) {
  if (!node)
    return false;
  const nodeType =
    node.type;
  if (nodeType === "Literal" || "StringLiteral" ===
    nodeType || "NumericLiteral" ===
    nodeType || "NullLiteral" ===
    nodeType || "BooleanLiteral" ===
    nodeType || "RegExpLiteral" ===
    nodeType || "TemplateLiteral" ===

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nodeType || \"BigIntLiteral\" === nodeType || \"DecimalLiteral\" === nodeType || nodeType === \"Placeholder\"
&& \"StringLiteral\" === node.expectedNode) {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else
{\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nfunction isImmutable(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"Immutable\" ||
\"StringLiteral\" === nodeType || \"NumericLiteral\" === nodeType || \"NullLiteral\" === nodeType ||
\"BooleanLiteral\" === nodeType || \"BigIntLiteral\" === nodeType || \"JSXAttribute\" === nodeType ||
\"JSXClosingElement\" === nodeType || \"JSXElement\" === nodeType || \"JSXExpressionContainer\" ===
nodeType || \"JSXSpreadChild\" === nodeType || \"JSXOpeningElement\" === nodeType || \"JSXText\" ===
nodeType || \"JSXFragment\" === nodeType || \"JSXOpeningFragment\" === nodeType || \"JSXClosingFragment\"
=== nodeType || \"DecimalLiteral\" === nodeType || nodeType === \"Placeholder\" && \"StringLiteral\" ===
node.expectedNode) {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return (0,
_shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nfunction isUserWhitespacable(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"UserWhitespacable\" ||
\"ObjectMethod\" === nodeType || \"ObjectProperty\" === nodeType || \"ObjectTypeInternalSlot\" === nodeType ||
\"ObjectTypeCallProperty\" === nodeType || \"ObjectTypeIndexer\" === nodeType || \"ObjectTypeProperty\" ===
nodeType || \"ObjectTypeSpreadProperty\" === nodeType) {\n  if (typeof opts === \"undefined\") {\n    return
true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nfunction
isMethod(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"Method\"
|| \"ObjectMethod\" === nodeType || \"ClassMethod\" === nodeType || \"ClassPrivateMethod\" === nodeType) {\n
if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node,
opts);\n  }\n }\n\n return false;\n}\n\nfunction isObjectMember(node, opts) {\n  if (!node) return false;\n  const
nodeType = node.type;\n\n  if (nodeType === \"ObjectMember\" || \"ObjectMethod\" === nodeType ||
\"ObjectProperty\" === nodeType) {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n
return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nfunction isProperty(node, opts) {\n
if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"Property\" || \"ObjectProperty\" ===
nodeType || \"ClassProperty\" === nodeType || \"ClassPrivateProperty\" === nodeType) {\n  if (typeof opts ===
\"undefined\") {\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n
return false;\n}\n\nfunction isUnaryLike(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n
if (nodeType === \"UnaryLike\" || \"UnaryExpression\" === nodeType || \"SpreadElement\" === nodeType) {\n  if
(typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isPattern(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"Pattern\" || \"AssignmentPattern\" === nodeType || \"ArrayPattern\" ===
nodeType || \"ObjectPattern\" === nodeType || nodeType === \"Placeholder\" && \"Pattern\" ===
node.expectedNode) {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return (0,
_shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nfunction isClass(node, opts) {\n  if (!node)
return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"Class\" || \"ClassExpression\" === nodeType ||
\"ClassDeclaration\" === nodeType) {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n
return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n return false;\n}\n\nfunction isModuleDeclaration(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"ModuleDeclaration\" ||
\"ExportAllDeclaration\" === nodeType || \"ExportDefaultDeclaration\" === nodeType ||
\"ExportNamedDeclaration\" === nodeType || \"ImportDeclaration\" === nodeType) {\n  if (typeof opts ===
\"undefined\") {\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n
return false;\n}\n\nfunction isExportDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"ExportDeclaration\" || \"ExportAllDeclaration\" === nodeType ||
\"ExportDefaultDeclaration\" === nodeType || \"ExportNamedDeclaration\" === nodeType) {\n  if (typeof opts
=== \"undefined\") {\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n
return false;\n}\n\nfunction isModuleSpecifier(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"ModuleSpecifier\" || \"ExportSpecifier\" === nodeType ||

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\ImportDefaultSpecifier\ === nodeType || \ImportNamespaceSpecifier\ === nodeType || \ImportSpecifier\
=== nodeType || \ExportNamespaceSpecifier\ === nodeType || \ExportDefaultSpecifier\ === nodeType) {\n  if
(typeof opts === \undefined\)\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n
}\n }\n\n return false;\n}\n\nfunction isFlow(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \Flow\ || \AnyTypeAnnotation\ === nodeType || \ArrayTypeAnnotation\
=== nodeType || \BooleanTypeAnnotation\ === nodeType || \BooleanLiteralTypeAnnotation\ === nodeType ||
\NullLiteralTypeAnnotation\ === nodeType || \ClassImplements\ === nodeType || \DeclareClass\ ===
nodeType || \DeclareFunction\ === nodeType || \DeclareInterface\ === nodeType || \DeclareModule\ ===
nodeType || \DeclareModuleExports\ === nodeType || \DeclareTypeAlias\ === nodeType ||
\DeclareOpaqueType\ === nodeType || \DeclareVariable\ === nodeType || \DeclareExportDeclaration\ ===
nodeType || \DeclareExportAllDeclaration\ === nodeType || \DeclaredPredicate\ === nodeType ||
\ExistsTypeAnnotation\ === nodeType || \FunctionTypeAnnotation\ === nodeType || \FunctionTypeParam\
=== nodeType || \GenericTypeAnnotation\ === nodeType || \InferredPredicate\ === nodeType ||
\InterfaceExtends\ === nodeType || \InterfaceDeclaration\ === nodeType || \InterfaceTypeAnnotation\ ===
nodeType || \IntersectionTypeAnnotation\ === nodeType || \MixedTypeAnnotation\ === nodeType ||
\EmptyTypeAnnotation\ === nodeType || \NullableTypeAnnotation\ === nodeType ||
\NumberLiteralTypeAnnotation\ === nodeType || \NumberTypeAnnotation\ === nodeType ||
\ObjectTypeAnnotation\ === nodeType || \ObjectTypeInternalSlot\ === nodeType || \ObjectTypeCallProperty\
=== nodeType || \ObjectTypeIndexer\ === nodeType || \ObjectTypeProperty\ === nodeType ||
\ObjectTypeSpreadProperty\ === nodeType || \OpaqueType\ === nodeType || \QualifiedTypeIdentifier\ ===
nodeType || \StringLiteralTypeAnnotation\ === nodeType || \StringTypeAnnotation\ === nodeType ||
\SymbolTypeAnnotation\ === nodeType || \ThisTypeAnnotation\ === nodeType || \TupleTypeAnnotation\
=== nodeType || \TypeofTypeAnnotation\ === nodeType || \TypeAlias\ === nodeType || \TypeAnnotation\
=== nodeType || \TypeCastExpression\ === nodeType || \TypeParameter\ === nodeType ||
\TypeParameterDeclaration\ === nodeType || \TypeParameterInstantiation\ === nodeType ||
\UnionTypeAnnotation\ === nodeType || \Variance\ === nodeType || \VoidTypeAnnotation\ === nodeType)
{\n  if (typeof opts === \undefined\)\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node,
opts);\n  }\n }\n\n return false;\n}\n\nfunction isFlowType(node, opts) {\n  if (!node) return false;\n  const
nodeType = node.type;\n\n  if (nodeType === \FlowType\ || \AnyTypeAnnotation\ === nodeType ||
\ArrayTypeAnnotation\ === nodeType || \BooleanTypeAnnotation\ === nodeType ||
\BooleanLiteralTypeAnnotation\ === nodeType || \NullLiteralTypeAnnotation\ === nodeType ||
\ExistsTypeAnnotation\ === nodeType || \FunctionTypeAnnotation\ === nodeType ||
\GenericTypeAnnotation\ === nodeType || \InterfaceTypeAnnotation\ === nodeType ||
\IntersectionTypeAnnotation\ === nodeType || \MixedTypeAnnotation\ === nodeType ||
\EmptyTypeAnnotation\ === nodeType || \NullableTypeAnnotation\ === nodeType ||
\NumberLiteralTypeAnnotation\ === nodeType || \NumberTypeAnnotation\ === nodeType ||
\ObjectTypeAnnotation\ === nodeType || \StringLiteralTypeAnnotation\ === nodeType ||
\StringTypeAnnotation\ === nodeType || \SymbolTypeAnnotation\ === nodeType || \ThisTypeAnnotation\
=== nodeType || \TupleTypeAnnotation\ === nodeType || \TypeofTypeAnnotation\ === nodeType ||
\UnionTypeAnnotation\ === nodeType || \VoidTypeAnnotation\ === nodeType) {\n  if (typeof opts ===
\undefined\)\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n\n
return false;\n}\n\nfunction isFlowBaseAnnotation(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \FlowBaseAnnotation\ || \AnyTypeAnnotation\ === nodeType ||
\BooleanTypeAnnotation\ === nodeType || \NullLiteralTypeAnnotation\ === nodeType ||
\MixedTypeAnnotation\ === nodeType || \EmptyTypeAnnotation\ === nodeType || \NumberTypeAnnotation\
=== nodeType || \StringTypeAnnotation\ === nodeType || \SymbolTypeAnnotation\ === nodeType ||
\ThisTypeAnnotation\ === nodeType || \VoidTypeAnnotation\ === nodeType) {\n  if (typeof opts ===
\undefined\)\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n }\n }\n\n

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return false;\n}\n\nfunction isFlowDeclaration(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"FlowDeclaration\" || \"DeclareClass\" === nodeType || \"DeclareFunction\" ===
nodeType || \"DeclareInterface\" === nodeType || \"DeclareModule\" === nodeType || \"DeclareModuleExports\"
=== nodeType || \"DeclareTypeAlias\" === nodeType || \"DeclareOpaqueType\" === nodeType ||
\"DeclareVariable\" === nodeType || \"DeclareExportDeclaration\" === nodeType ||
\"DeclareExportAllDeclaration\" === nodeType || \"InterfaceDeclaration\" === nodeType || \"OpaqueType\" ===
nodeType || \"TypeAlias\" === nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n
return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isFlowPredicate(node,
opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"FlowPredicate\" ||
\"DeclaredPredicate\" === nodeType || \"InferredPredicate\" === nodeType) {\n    if (typeof opts === \"undefined\")
{\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n  return
false;\n}\n\nfunction isEnumBody(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if
(nodeType === \"EnumBody\" || \"EnumBooleanBody\" === nodeType || \"EnumNumberBody\" === nodeType ||
\"EnumStringBody\" === nodeType || \"EnumSymbolBody\" === nodeType) {\n    if (typeof opts ===
\"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n
return false;\n}\n\nfunction isEnumMember(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"EnumMember\" || \"EnumBooleanMember\" === nodeType ||
\"EnumNumberMember\" === nodeType || \"EnumStringMember\" === nodeType || \"EnumDefaultedMember\"
=== nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isJSX(node, opts) {\n  if (!node)
return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"JSX\" || \"JSXAttribute\" === nodeType ||
\"JSXClosingElement\" === nodeType || \"JSXElement\" === nodeType || \"JSXEmptyExpression\" === nodeType
|| \"JSXExpressionContainer\" === nodeType || \"JSXSpreadChild\" === nodeType || \"JSXIdentifier\" ===
nodeType || \"JSXMemberExpression\" === nodeType || \"JSXNamespacedName\" === nodeType ||
\"JSXOpeningElement\" === nodeType || \"JSXSpreadAttribute\" === nodeType || \"JSXText\" === nodeType ||
\"JSXFragment\" === nodeType || \"JSXOpeningFragment\" === nodeType || \"JSXClosingFragment\" ===
nodeType) {\n    if (typeof opts === \"undefined\") {\n      return true;\n    } else {\n      return (0,
_shallowEqual.default)(node, opts);\n    }\n  }\n\n  return false;\n}\n\nfunction isPrivate(node, opts) {\n  if (!node)
return false;\n  const nodeType = node.type;\n\n  if (nodeType === \"Private\" || \"ClassPrivateProperty\" ===
nodeType || \"ClassPrivateMethod\" === nodeType || \"PrivateName\" === nodeType) {\n    if (typeof opts ===
\"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n
return false;\n}\n\nfunction isTSTypeElement(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"TSTypeElement\" || \"TSCallSignatureDeclaration\" === nodeType ||
\"TSConstructSignatureDeclaration\" === nodeType || \"TSPropertySignature\" === nodeType ||
\"TSMethodSignature\" === nodeType || \"TSIndexSignature\" === nodeType) {\n    if (typeof opts ===
\"undefined\") {\n      return true;\n    } else {\n      return (0, _shallowEqual.default)(node, opts);\n    }\n  }\n\n
return false;\n}\n\nfunction isTSType(node, opts) {\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if
(nodeType === \"TSType\" || \"TSAnyKeyword\" === nodeType || \"TSBooleanKeyword\" === nodeType ||
\"TSBigIntKeyword\" === nodeType || \"TSIntrinsicKeyword\" === nodeType || \"TSNeverKeyword\" ===
nodeType || \"TSNullKeyword\" === nodeType || \"TSNumberKeyword\" === nodeType || \"TSObjectKeyword\"
=== nodeType || \"TSStringKeyword\" === nodeType || \"TSSymbolKeyword\" === nodeType ||
\"TSUndefinedKeyword\" === nodeType || \"TSUnknownKeyword\" === nodeType || \"TSVoidKeyword\" ===
nodeType || \"TSThisType\" === nodeType || \"TSFunctionType\" === nodeType || \"TSConstructorType\" ===
nodeType || \"TSTypeReference\" === nodeType || \"TSTypePredicate\" === nodeType || \"TSTypeQuery\" ===
nodeType || \"TSTypeLiteral\" === nodeType || \"TSArrayType\" === nodeType || \"TSTupleType\" === nodeType
|| \"TSOptionalType\" === nodeType || \"TSRestType\" === nodeType || \"TSUnionType\" === nodeType ||
\"TSIntersectionType\" === nodeType || \"TSConditionalType\" === nodeType || \"TSInferType\" === nodeType ||
\"TSParenthesizedType\" === nodeType || \"TSTypeOperator\" === nodeType || \"TSIndexedAccessType\" ===

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nodeType || \"TSMappedType\" === nodeType || \"TSLiteralType\" === nodeType ||
\"TSExpressionWithTypeArguments\" === nodeType || \"TSImportType\" === nodeType) {\n  if (typeof opts ===
\"undefined\") {\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n}\n\n
return false;\n}\n\nfunction isTSBaseType(node, opts) {\n  if (!node) return false;\n  const nodeType =
node.type;\n\n  if (nodeType === \"TSBaseType\" || \"TSAnyKeyword\" === nodeType || \"TSBooleanKeyword\"
=== nodeType || \"TSBigIntKeyword\" === nodeType || \"TSIntrinsicKeyword\" === nodeType ||
\"TSNeverKeyword\" === nodeType || \"TSNullKeyword\" === nodeType || \"TSNumberKeyword\" === nodeType
|| \"TSObjectKeyword\" === nodeType || \"TSStringKeyword\" === nodeType || \"TSSymbolKeyword\" ===
nodeType || \"TSUndefinedKeyword\" === nodeType || \"TSUnknownKeyword\" === nodeType ||
\"TSVoidKeyword\" === nodeType || \"TSThisType\" === nodeType || \"TSLiteralType\" === nodeType) {\n  if
(typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n
  }\n}\n\n  return false;\n}\n\nfunction isNumberLiteral(node, opts) {\n  console.trace(\"The node type
NumberLiteral has been renamed to NumericLiteral\");\n  if (!node) return false;\n  const nodeType = node.type;\n\n
if (nodeType === \"NumberLiteral\") {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n
return (0, _shallowEqual.default)(node, opts);\n  }\n}\n\n  return false;\n}\n\nfunction isRegexLiteral(node, opts)
{\n  console.trace(\"The node type RegexLiteral has been renamed to RegExpLiteral\");\n  if (!node) return false;\n
const nodeType = node.type;\n\n  if (nodeType === \"RegexLiteral\") {\n  if (typeof opts === \"undefined\") {\n
return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n}\n\n  return
false;\n}\n\nfunction isRestProperty(node, opts) {\n  console.trace(\"The node type RestProperty has been renamed
to RestElement\");\n  if (!node) return false;\n  const nodeType = node.type;\n\n  if (nodeType ===
\"RestProperty\") {\n  if (typeof opts === \"undefined\") {\n    return true;\n  } else {\n    return (0,
_shallowEqual.default)(node, opts);\n  }\n}\n\n  return false;\n}\n\nfunction isSpreadProperty(node, opts) {\n
console.trace(\"The node type SpreadProperty has been renamed to SpreadElement\");\n  if (!node) return false;\n
const nodeType = node.type;\n\n  if (nodeType === \"SpreadProperty\") {\n  if (typeof opts === \"undefined\") {\n
return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n}\n\n  return false;\n}
,\"use strict\";\n\nObject.defineProperty(exports, \"_esModule\", {\n  value: true\n});\n\nexports.arrayExpression =
arrayExpression;\n\nexports.assignmentExpression = assignmentExpression;\n\nexports.binaryExpression =
binaryExpression;\n\nexports.interpreterDirective = interpreterDirective;\n\nexports.directive =
directive;\n\nexports.directiveLiteral = directiveLiteral;\n\nexports.blockStatement =
blockStatement;\n\nexports.breakStatement = breakStatement;\n\nexports.callExpression =
callExpression;\n\nexports.catchClause = catchClause;\n\nexports.conditionalExpression =
conditionalExpression;\n\nexports.continueStatement = continueStatement;\n\nexports.debuggerStatement =
debuggerStatement;\n\nexports.doWhileStatement = doWhileStatement;\n\nexports.emptyStatement =
emptyStatement;\n\nexports.expressionStatement = expressionStatement;\n\nexports.file = file;\n\nexports.forInStatement
= forInStatement;\n\nexports.forStatement = forStatement;\n\nexports.functionDeclaration =
functionDeclaration;\n\nexports.functionExpression = functionExpression;\n\nexports.identifier =
identifier;\n\nexports.ifStatement = ifStatement;\n\nexports.labeledStatement = labeledStatement;\n\nexports.stringLiteral
= stringLiteral;\n\nexports.numericLiteral = numericLiteral;\n\nexports.nullLiteral = nullLiteral;\n\nexports.booleanLiteral
= booleanLiteral;\n\nexports.regExpLiteral = regExpLiteral;\n\nexports.logicalExpression =
logicalExpression;\n\nexports.memberExpression = memberExpression;\n\nexports.newExpression =
newExpression;\n\nexports.program = program;\n\nexports.objectExpression =
objectExpression;\n\nexports.objectMethod = objectMethod;\n\nexports.objectProperty =
objectProperty;\n\nexports.restElement = restElement;\n\nexports.returnStatement =
returnStatement;\n\nexports.sequenceExpression = sequenceExpression;\n\nexports.parenthesizedExpression =
parenthesizedExpression;\n\nexports.switchCase = switchCase;\n\nexports.switchStatement =
switchStatement;\n\nexports.thisExpression = thisExpression;\n\nexports.throwStatement =
throwStatement;\n\nexports.tryStatement = tryStatement;\n\nexports.unaryExpression =
unaryExpression;\n\nexports.updateExpression = updateExpression;\n\nexports.variableDeclaration =

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variableDeclaration;\nexports.variableDeclarator = variableDeclarator;\nexports.whileStatement = whileStatement;\nexports.withStatement = withStatement;\nexports.assignmentPattern = assignmentPattern;\nexports.arrayPattern = arrayPattern;\nexports.arrowFunctionExpression = arrowFunctionExpression;\nexports.classBody = classBody;\nexports.classExpression = classExpression;\nexports.classDeclaration = classDeclaration;\nexports.exportAllDeclaration = exportAllDeclaration;\nexports.exportDefaultDeclaration = exportDefaultDeclaration;\nexports.exportNamedDeclaration = exportNamedDeclaration;\nexports.exportSpecifier = exportSpecifier;\nexports.forOfStatement = forOfStatement;\nexports.importDeclaration = importDeclaration;\nexports.importDefaultSpecifier = importDefaultSpecifier;\nexports.importNamespaceSpecifier = importNamespaceSpecifier;\nexports.importSpecifier = importSpecifier;\nexports.metaProperty = metaProperty;\nexports.classMethod = classMethod;\nexports.objectPattern = objectPattern;\nexports.spreadElement = spreadElement;\nexports.super = _super;\nexports.taggedTemplateExpression = taggedTemplateExpression;\nexports.templateElement = templateElement;\nexports.templateLiteral = templateLiteral;\nexports.yieldExpression = yieldExpression;\nexports.awaitExpression = awaitExpression;\nexports.import = _import;\nexports.bigIntLiteral = bigIntLiteral;\nexports.exportNamespaceSpecifier = exportNamespaceSpecifier;\nexports.optionalMemberExpression = optionalMemberExpression;\nexports.optionalCallExpression = optionalCallExpression;\nexports.anyTypeAnnotation = anyTypeAnnotation;\nexports.arrayTypeAnnotation = arrayTypeAnnotation;\nexports.booleanTypeAnnotation = booleanTypeAnnotation;\nexports.booleanLiteralTypeAnnotation = booleanLiteralTypeAnnotation;\nexports.nullLiteralTypeAnnotation = nullLiteralTypeAnnotation;\nexports.classImplements = classImplements;\nexports.declareClass = declareClass;\nexports.declareFunction = declareFunction;\nexports.declareInterface = declareInterface;\nexports.declareModule = declareModule;\nexports.declareModuleExports = declareModuleExports;\nexports.declareTypeAlias = declareTypeAlias;\nexports.declareOpaqueType = declareOpaqueType;\nexports.declareVariable = declareVariable;\nexports.declareExportDeclaration = declareExportDeclaration;\nexports.declareExportAllDeclaration = declareExportAllDeclaration;\nexports.declaredPredicate = declaredPredicate;\nexports.existsTypeAnnotation = existsTypeAnnotation;\nexports.functionTypeAnnotation = functionTypeAnnotation;\nexports.functionTypeParam = functionTypeParam;\nexports.genericTypeAnnotation = genericTypeAnnotation;\nexports.inferredPredicate = inferredPredicate;\nexports.interfaceExtends = interfaceExtends;\nexports.interfaceDeclaration = interfaceDeclaration;\nexports.interfaceTypeAnnotation = interfaceTypeAnnotation;\nexports.intersectionTypeAnnotation = intersectionTypeAnnotation;\nexports.mixedTypeAnnotation = mixedTypeAnnotation;\nexports.emptyTypeAnnotation = emptyTypeAnnotation;\nexports.nullableTypeAnnotation = nullableTypeAnnotation;\nexports.numberLiteralTypeAnnotation = numberLiteralTypeAnnotation;\nexports.numberTypeAnnotation = numberTypeAnnotation;\nexports.objectTypeAnnotation = objectTypeAnnotation;\nexports.objectTypeInternalSlot = objectTypeInternalSlot;\nexports.objectTypeCallProperty = objectTypeCallProperty;\nexports.objectTypeIndexer = objectTypeIndexer;\nexports.objectTypeProperty = objectTypeProperty;\nexports.objectTypeSpreadProperty = objectTypeSpreadProperty;\nexports.opaqueType = opaqueType;\nexports.qualifiedTypeIdentifier = qualifiedTypeIdentifier;\nexports.stringLiteralTypeAnnotation = stringLiteralTypeAnnotation;\nexports.stringTypeAnnotation = stringTypeAnnotation;\nexports.symbolTypeAnnotation = symbolTypeAnnotation;\nexports.thisTypeAnnotation = thisTypeAnnotation;\nexports.tupleTypeAnnotation = tupleTypeAnnotation;\nexports.typeofTypeAnnotation = typeofTypeAnnotation;\nexports.typeAlias = typeAlias;\nexports.typeAnnotation = typeAnnotation;\nexports.typeCastExpression = typeCastExpression;\nexports.typeParameter =

typeParameter;\nexports.typeParameterDeclaration =
typeParameterDeclaration;\nexports.typeParameterInstantiation =
typeParameterInstantiation;\nexports.unionTypeAnnotation = unionTypeAnnotation;\nexports.variance =
variance;\nexports.voidTypeAnnotation = voidTypeAnnotation;\nexports.enumDeclaration =
enumDeclaration;\nexports.enumBooleanBody = enumBooleanBody;\nexports.enumNumberBody =
enumNumberBody;\nexports.enumStringBody = enumStringBody;\nexports.enumSymbolBody =
enumSymbolBody;\nexports.enumBooleanMember = enumBooleanMember;\nexports.enumNumberMember =
enumNumberMember;\nexports.enumStringMember = enumStringMember;\nexports.enumDefaultedMember =
enumDefaultedMember;\nexports.indexedAccessType = indexedAccessType;\nexports.optionalIndexedAccessType
= optionalIndexedAccessType;\nexports.jsxAttribute = exports.jsxAttribute =
jsxAttribute;\nexports.jsxClosingElement = exports.jsxClosingElement = jsxClosingElement;\nexports.jsXElement
= exports.jsxElement = jsxElement;\nexports.jsXEmptyExpression = exports.jsxEmptyExpression =
jsxEmptyExpression;\nexports.jsXExpressionContainer = exports.jsxExpressionContainer =
jsxExpressionContainer;\nexports.jSXSpreadChild = exports.jsxSpreadChild =
jsxSpreadChild;\nexports.jSXIdentifier = exports.jsxIdentifier = jsxIdentifier;\nexports.jSXMemberExpression =
exports.jsxMemberExpression = jsxMemberExpression;\nexports.jSXNamespacedName =
exports.jsxNamespacedName = jsxNamespacedName;\nexports.jSXOpeningElement = exports.jsxOpeningElement
= jsxOpeningElement;\nexports.jSXSpreadAttribute = exports.jsxSpreadAttribute =
jsxSpreadAttribute;\nexports.jSXText = exports.jsxText = jsxText;\nexports.jSXFragment = exports.jsxFragment =
jsxFragment;\nexports.jSXOpeningFragment = exports.jsxOpeningFragment =
jsxOpeningFragment;\nexports.jsXClosingFragment = exports.jsxClosingFragment =
jsxClosingFragment;\nexports.noop = noop;\nexports.placeholder = placeholder;\nexports.v8IntrinsicIdentifier =
v8IntrinsicIdentifier;\nexports.argumentPlaceholder = argumentPlaceholder;\nexports.bindExpression =
bindExpression;\nexports.classProperty = classProperty;\nexports.pipelineTopicExpression =
pipelineTopicExpression;\nexports.pipelineBareFunction =
pipelineBareFunction;\nexports.pipelinePrimaryTopicReference =
pipelinePrimaryTopicReference;\nexports.classPrivateProperty = classPrivateProperty;\nexports.classPrivateMethod
= classPrivateMethod;\nexports.importAttribute = importAttribute;\nexports.decorator =
decorator;\nexports.doExpression = doExpression;\nexports.exportDefaultSpecifier =
exportDefaultSpecifier;\nexports.privateName = privateName;\nexports.recordExpression =
recordExpression;\nexports.tupleExpression = tupleExpression;\nexports.decimalLiteral =
decimalLiteral;\nexports.staticBlock = staticBlock;\nexports.moduleExpression =
moduleExpression;\nexports.tsParameterProperty = exports.tsParameterProperty =
tsParameterProperty;\nexports.tsDeclareFunction = exports.tsDeclareFunction =
tsDeclareFunction;\nexports.tsDeclareMethod = exports.tsDeclareMethod =
tsDeclareMethod;\nexports.tsQualifiedName = exports.tsQualifiedName =
tsQualifiedName;\nexports.tsCallSignatureDeclaration = exports.tsCallSignatureDeclaration =
tsCallSignatureDeclaration;\nexports.tsConstructSignatureDeclaration = exports.tsConstructSignatureDeclaration =
tsConstructSignatureDeclaration;\nexports.tsPropertySignature = exports.tsPropertySignature =
tsPropertySignature;\nexports.tsMethodSignature = exports.tsMethodSignature =
tsMethodSignature;\nexports.tsIndexSignature = exports.tsIndexSignature =
tsIndexSignature;\nexports.tsAnyKeyword = exports.tsAnyKeyword =
tsAnyKeyword;\nexports.tsBooleanKeyword = exports.tsBooleanKeyword =
tsBooleanKeyword;\nexports.tsBigIntKeyword = exports.tsBigIntKeyword =
tsBigIntKeyword;\nexports.tsIntrinsicKeyword = exports.tsIntrinsicKeyword =
tsIntrinsicKeyword;\nexports.tsNeverKeyword = exports.tsNeverKeyword =
tsNeverKeyword;\nexports.tsNullKeyword = exports.tsNullKeyword =
tsNullKeyword;\nexports.tsNumberKeyword = exports.tsNumberKeyword =

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tsNumberKeyword;\nexports.tsObjectKeyword = exports.tsObjectKeyword =
tsObjectKeyword;\nexports.tsStringKeyword = exports.tsStringKeyword =
tsStringKeyword;\nexports.tsSymbolKeyword = exports.tsSymbolKeyword =
tsSymbolKeyword;\nexports.tsUndefinedKeyword = exports.tsUndefinedKeyword =
tsUndefinedKeyword;\nexports.tsUnknownKeyword = exports.tsUnknownKeyword =
tsUnknownKeyword;\nexports.tsVoidKeyword = exports.tsVoidKeyword = tsVoidKeyword;\nexports.tsThisType
= exports.tsThisType = tsThisType;\nexports.tsFunctionType = exports.tsFunctionType =
tsFunctionType;\nexports.tsConstructorType = exports.tsConstructorType =
tsConstructorType;\nexports.tsTypeReference = exports.tsTypeReference =
tsTypeReference;\nexports.tsTypePredicate = exports.tsTypePredicate = tsTypePredicate;\nexports.tsTypeQuery =
exports.tsTypeQuery = tsTypeQuery;\nexports.tsTypeLiteral = exports.tsTypeLiteral =
tsTypeLiteral;\nexports.tsArrayType = exports.tsArrayType = tsArrayType;\nexports.tsTupleType =
exports.tsTupleType = tsTupleType;\nexports.tsOptionalType = exports.tsOptionalType =
tsOptionalType;\nexports.tsRestType = exports.tsRestType = tsRestType;\nexports.tsNamedTupleMember =
exports.tsNamedTupleMember = tsNamedTupleMember;\nexports.tsUnionType = exports.tsUnionType =
tsUnionType;\nexports.tsIntersectionType = exports.tsIntersectionType =
tsIntersectionType;\nexports.tsConditionalType = exports.tsConditionalType =
tsConditionalType;\nexports.tsInferType = exports.tsInferType = tsInferType;\nexports.tsParenthesizedType =
exports.tsParenthesizedType = tsParenthesizedType;\nexports.tsTypeOperator = exports.tsTypeOperator =
tsTypeOperator;\nexports.tsIndexedAccessType = exports.tsIndexedAccessType =
tsIndexedAccessType;\nexports.tsMappedType = exports.tsMappedType = tsMappedType;\nexports.tsLiteralType
= exports.tsLiteralType = tsLiteralType;\nexports.tsExpressionWithTypeArguments =
exports.tsExpressionWithTypeArguments = tsExpressionWithTypeArguments;\nexports.tsInterfaceDeclaration =
exports.tsInterfaceDeclaration = tsInterfaceDeclaration;\nexports.tsInterfaceBody = exports.tsInterfaceBody =
tsInterfaceBody;\nexports.tsTypeAliasDeclaration = exports.tsTypeAliasDeclaration =
tsTypeAliasDeclaration;\nexports.tsAsExpression = exports.tsAsExpression =
tsAsExpression;\nexports.tsTypeAssertion = exports.tsTypeAssertion =
tsTypeAssertion;\nexports.tsEnumDeclaration = exports.tsEnumDeclaration =
tsEnumDeclaration;\nexports.tsEnumMember = exports.tsEnumMember =
tsEnumMember;\nexports.tsModuleDeclaration = exports.tsModuleDeclaration =
tsModuleDeclaration;\nexports.tsModuleBlock = exports.tsModuleBlock = tsModuleBlock;\nexports.tsImportType
= exports.tsImportType = tsImportType;\nexports.tsImportEqualsDeclaration = exports.tsImportEqualsDeclaration
= tsImportEqualsDeclaration;\nexports.tsExternalModuleReference = exports.tsExternalModuleReference =
tsExternalModuleReference;\nexports.tsNonNullExpression = exports.tsNonNullExpression =
tsNonNullExpression;\nexports.tsExportAssignment = exports.tsExportAssignment =
tsExportAssignment;\nexports.tsNamespaceExportDeclaration = exports.tsNamespaceExportDeclaration =
tsNamespaceExportDeclaration;\nexports.tsTypeAnnotation = exports.tsTypeAnnotation =
tsTypeAnnotation;\nexports.tsTypeParameterInstantiation = exports.tsTypeParameterInstantiation =
tsTypeParameterInstantiation;\nexports.tsTypeParameterDeclaration = exports.tsTypeParameterDeclaration =
tsTypeParameterDeclaration;\nexports.tsTypeParameter = exports.tsTypeParameter =
tsTypeParameter;\nexports.numberLiteral = NumberLiteral;\nexports.regexLiteral =
RegexLiteral;\nexports.restProperty = RestProperty;\nexports.spreadProperty = SpreadProperty;\n\nvar _builder =
require(\"../builder\");\n\nfunction arrayExpression(elements) {\n  return (0, _builder.default)(\"ArrayExpression\",
...arguments);\n}\n\nfunction assignmentExpression(operator, left, right) {\n  return (0,
_builder.default)(\"AssignmentExpression\", ...arguments);\n}\n\nfunction binaryExpression(operator, left, right) {\n
return (0, _builder.default)(\"BinaryExpression\", ...arguments);\n}\n\nfunction interpreterDirective(value) {\n
return (0, _builder.default)(\"InterpreterDirective\", ...arguments);\n}\n\nfunction directive(value) {\n  return (0,
_builder.default)(\"Directive\", ...arguments);\n}\n\nfunction directiveLiteral(value) {\n  return (0,

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_builder.default)("DirectiveLiteral", ...arguments);\n}\n\nfunction blockStatement(body, directives) {\n return (0,
_builder.default)("BlockStatement", ...arguments);\n}\n\nfunction breakStatement(label) {\n return (0,
_builder.default)("BreakStatement", ...arguments);\n}\n\nfunction callExpression(callee, _arguments) {\n return
(0, _builder.default)("CallExpression", ...arguments);\n}\n\nfunction catchClause(param, body) {\n return (0,
_builder.default)("CatchClause", ...arguments);\n}\n\nfunction conditionalExpression(test, consequent, alternate)
{\n return (0, _builder.default)("ConditionalExpression", ...arguments);\n}\n\nfunction continueStatement(label)
{\n return (0, _builder.default)("ContinueStatement", ...arguments);\n}\n\nfunction debuggerStatement() {\n
return (0, _builder.default)("DebuggerStatement", ...arguments);\n}\n\nfunction doWhileStatement(test, body) {\n
return (0, _builder.default)("DoWhileStatement", ...arguments);\n}\n\nfunction emptyStatement() {\n return (0,
_builder.default)("EmptyStatement", ...arguments);\n}\n\nfunction expressionStatement(expression) {\n return (0,
_builder.default)("ExpressionStatement", ...arguments);\n}\n\nfunction file(program, comments, tokens) {\n return
(0, _builder.default)("File", ...arguments);\n}\n\nfunction forInStatement(left, right, body) {\n return (0,
_builder.default)("ForInStatement", ...arguments);\n}\n\nfunction forStatement(init, test, update, body) {\n return
(0, _builder.default)("ForStatement", ...arguments);\n}\n\nfunction functionDeclaration(id, params, body,
generator, async) {\n return (0, _builder.default)("FunctionDeclaration", ...arguments);\n}\n\nfunction
functionExpression(id, params, body, generator, async) {\n return (0, _builder.default)("FunctionExpression",
...arguments);\n}\n\nfunction identifier(name) {\n return (0, _builder.default)("Identifier",
...arguments);\n}\n\nfunction ifStatement(test, consequent, alternate) {\n return (0,
_builder.default)("IfStatement", ...arguments);\n}\n\nfunction labeledStatement(label, body) {\n return (0,
_builder.default)("LabeledStatement", ...arguments);\n}\n\nfunction stringLiteral(value) {\n return (0,
_builder.default)("StringLiteral", ...arguments);\n}\n\nfunction numericLiteral(value) {\n return (0,
_builder.default)("NumericLiteral", ...arguments);\n}\n\nfunction nullLiteral() {\n return (0,
_builder.default)("NullLiteral", ...arguments);\n}\n\nfunction booleanLiteral(value) {\n return (0,
_builder.default)("BooleanLiteral", ...arguments);\n}\n\nfunction regexpLiteral(pattern, flags) {\n return (0,
_builder.default)("RegExpLiteral", ...arguments);\n}\n\nfunction logicalExpression(operator, left, right) {\n return
(0, _builder.default)("LogicalExpression", ...arguments);\n}\n\nfunction memberExpression(object, property,
computed, optional) {\n return (0, _builder.default)("MemberExpression", ...arguments);\n}\n\nfunction
newExpression(callee, _arguments) {\n return (0, _builder.default)("NewExpression",
...arguments);\n}\n\nfunction program(body, directives, sourceType, interpreter) {\n return (0,
_builder.default)("Program", ...arguments);\n}\n\nfunction objectExpression(properties) {\n return (0,
_builder.default)("ObjectExpression", ...arguments);\n}\n\nfunction objectMethod(kind, key, params, body,
computed, generator, async) {\n return (0, _builder.default)("ObjectMethod", ...arguments);\n}\n\nfunction
objectProperty(key, value, computed, shorthand, decorators) {\n return (0, _builder.default)("ObjectProperty",
...arguments);\n}\n\nfunction restElement(argument) {\n return (0, _builder.default)("RestElement",
...arguments);\n}\n\nfunction returnStatement(argument) {\n return (0, _builder.default)("ReturnStatement",
...arguments);\n}\n\nfunction sequenceExpression(expressions) {\n return (0,
_builder.default)("SequenceExpression", ...arguments);\n}\n\nfunction parenthesizedExpression(expression) {\n
return (0, _builder.default)("ParenthesizedExpression", ...arguments);\n}\n\nfunction switchCase(test, consequent)
{\n return (0, _builder.default)("SwitchCase", ...arguments);\n}\n\nfunction switchStatement(discriminant, cases)
{\n return (0, _builder.default)("SwitchStatement", ...arguments);\n}\n\nfunction thisExpression() {\n return (0,
_builder.default)("ThisExpression", ...arguments);\n}\n\nfunction throwStatement(argument) {\n return (0,
_builder.default)("ThrowStatement", ...arguments);\n}\n\nfunction tryStatement(block, handler, finalizer) {\n
return (0, _builder.default)("TryStatement", ...arguments);\n}\n\nfunction unaryExpression(operator, argument,
prefix) {\n return (0, _builder.default)("UnaryExpression", ...arguments);\n}\n\nfunction
updateExpression(operator, argument, prefix) {\n return (0, _builder.default)("UpdateExpression",
...arguments);\n}\n\nfunction variableDeclaration(kind, declarations) {\n return (0,
_builder.default)("VariableDeclaration", ...arguments);\n}\n\nfunction variableDeclarator(id, init) {\n return (0,
_builder.default)("VariableDeclarator", ...arguments);\n}\n\nfunction whileStatement(test, body) {\n return (0,

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_builder.default)("WhileStatement", ...arguments);
}
function withStatement(object, body) {
  return (0,
_builder.default)("WithStatement", ...arguments);
}
function assignmentPattern(left, right) {
  return (0,
_builder.default)("AssignmentPattern", ...arguments);
}
function arrayPattern(elements) {
  return (0,
_builder.default)("ArrayPattern", ...arguments);
}
function arrowFunctionExpression(params, body, async) {
  return (0,
_builder.default)("ArrowFunctionExpression", ...arguments);
}
function classBody(body) {
  return (0,
_builder.default)("ClassBody", ...arguments);
}
function classExpression(id, superClass, body, decorators) {
  return (0,
_builder.default)("ClassExpression", ...arguments);
}
function classDeclaration(id, superClass,
body, decorators) {
  return (0,
_builder.default)("ClassDeclaration", ...arguments);
}
function
exportAllDeclaration(source) {
  return (0,
_builder.default)("ExportAllDeclaration",
...arguments);
}
function exportDefaultDeclaration(declaration) {
  return (0,
_builder.default)("ExportDefaultDeclaration", ...arguments);
}
function exportNamedDeclaration(declaration,
specifiers, source) {
  return (0,
_builder.default)("ExportNamedDeclaration", ...arguments);
}
function
exportSpecifier(local, exported) {
  return (0,
_builder.default)("ExportSpecifier", ...arguments);
}
function
forOfStatement(left, right, body, _await) {
  return (0,
_builder.default)("ForOfStatement",
...arguments);
}
function importDeclaration(specifiers, source) {
  return (0,
_builder.default)("ImportDeclaration", ...arguments);
}
function importDefaultSpecifier(local) {
  return (0,
_builder.default)("ImportDefaultSpecifier", ...arguments);
}
function importNamespaceSpecifier(local) {
  return (0,
_builder.default)("ImportNamespaceSpecifier", ...arguments);
}
function importSpecifier(local,
imported) {
  return (0,
_builder.default)("ImportSpecifier", ...arguments);
}
function metaProperty(meta,
property) {
  return (0,
_builder.default)("MetaProperty", ...arguments);
}
function classMethod(kind, key,
params, body, computed, _static, generator, async) {
  return (0,
_builder.default)("ClassMethod",
...arguments);
}
function objectPattern(properties) {
  return (0,
_builder.default)("ObjectPattern",
...arguments);
}
function spreadElement(argument) {
  return (0,
_builder.default)("SpreadElement",
...arguments);
}
function _super() {
  return (0,
_builder.default)("Super", ...arguments);
}
function
taggedTemplateExpression(tag, quasi) {
  return (0,
_builder.default)("TaggedTemplateExpression",
...arguments);
}
function templateElement(value, tail) {
  return (0,
_builder.default)("TemplateElement",
...arguments);
}
function templateLiteral(quasis, expressions) {
  return (0,
_builder.default)("TemplateLiteral", ...arguments);
}
function yieldExpression(argument, delegate) {
  return (0,
_builder.default)("YieldExpression", ...arguments);
}
function awaitExpression(argument) {
  return (0,
_builder.default)("AwaitExpression", ...arguments);
}
function _import() {
  return (0,
_builder.default)("Import", ...arguments);
}
function bigIntLiteral(value) {
  return (0,
_builder.default)("BigIntLiteral", ...arguments);
}
function exportNamespaceSpecifier(exported) {
  return (0,
_builder.default)("ExportNamespaceSpecifier", ...arguments);
}
function optionalMemberExpression(object,
property, computed, optional) {
  return (0,
_builder.default)("OptionalMemberExpression",
...arguments);
}
function optionalCallExpression(callee, _arguments, optional) {
  return (0,
_builder.default)("OptionalCallExpression", ...arguments);
}
function anyTypeAnnotation() {
  return (0,
_builder.default)("AnyTypeAnnotation", ...arguments);
}
function arrayTypeAnnotation(elementType) {
  return (0,
_builder.default)("ArrayTypeAnnotation", ...arguments);
}
function booleanTypeAnnotation() {
  return (0,
_builder.default)("BooleanTypeAnnotation", ...arguments);
}
function
booleanLiteralTypeAnnotation(value) {
  return (0,
_builder.default)("BooleanLiteralTypeAnnotation",
...arguments);
}
function nullLiteralTypeAnnotation() {
  return (0,
_builder.default)("NullLiteralTypeAnnotation", ...arguments);
}
function classImplements(id, typeParameters) {
  return (0,
_builder.default)("ClassImplements", ...arguments);
}
function declareClass(id, typeParameters,
_extends, body) {
  return (0,
_builder.default)("DeclareClass", ...arguments);
}
function declareFunction(id) {
  return (0,
_builder.default)("DeclareFunction", ...arguments);
}
function declareInterface(id,
typeParameters, _extends, body) {
  return (0,
_builder.default)("DeclareInterface", ...arguments);
}
function declareModule(id, body, kind) {
  return (0,
_builder.default)("DeclareModule", ...arguments);
}
function
declareModuleExports(typeAnnotation) {
  return (0,
_builder.default)("DeclareModuleExports",

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...arguments);\n}\n\nfunction declareTypeAlias(id, typeParameters, right) {\n return (0,
_builder.default)("DeclareTypeAlias", ...arguments);\n}\n\nfunction declareOpaqueType(id, typeParameters,
supertype) {\n return (0, _builder.default)("DeclareOpaqueType", ...arguments);\n}\n\nfunction
declareVariable(id) {\n return (0, _builder.default)("DeclareVariable", ...arguments);\n}\n\nfunction
declareExportDeclaration(declaration, specifiers, source) {\n return (0,
_builder.default)("DeclareExportDeclaration", ...arguments);\n}\n\nfunction declareExportAllDeclaration(source)
{\n return (0, _builder.default)("DeclareExportAllDeclaration", ...arguments);\n}\n\nfunction
declaredPredicate(value) {\n return (0, _builder.default)("DeclaredPredicate", ...arguments);\n}\n\nfunction
existsTypeAnnotation() {\n return (0, _builder.default)("ExistsTypeAnnotation", ...arguments);\n}\n\nfunction
functionTypeAnnotation(typeParameters, params, rest, returnType) {\n return (0,
_builder.default)("FunctionTypeAnnotation", ...arguments);\n}\n\nfunction functionTypeParam(name,
typeAnnotation) {\n return (0, _builder.default)("FunctionTypeParam", ...arguments);\n}\n\nfunction
genericTypeAnnotation(id, typeParameters) {\n return (0, _builder.default)("GenericTypeAnnotation",
...arguments);\n}\n\nfunction inferredPredicate() {\n return (0, _builder.default)("InferredPredicate",
...arguments);\n}\n\nfunction interfaceExtends(id, typeParameters) {\n return (0,
_builder.default)("InterfaceExtends", ...arguments);\n}\n\nfunction interfaceDeclaration(id, typeParameters,
_extends, body) {\n return (0, _builder.default)("InterfaceDeclaration", ...arguments);\n}\n\nfunction
interfaceTypeAnnotation(_extends, body) {\n return (0, _builder.default)("InterfaceTypeAnnotation",
...arguments);\n}\n\nfunction intersectionTypeAnnotation(types) {\n return (0,
_builder.default)("IntersectionTypeAnnotation", ...arguments);\n}\n\nfunction mixedTypeAnnotation() {\n return
(0, _builder.default)("MixedTypeAnnotation", ...arguments);\n}\n\nfunction emptyTypeAnnotation() {\n return (0,
_builder.default)("EmptyTypeAnnotation", ...arguments);\n}\n\nfunction nullableTypeAnnotation(typeAnnotation)
{\n return (0, _builder.default)("NullableTypeAnnotation", ...arguments);\n}\n\nfunction
numberLiteralTypeAnnotation(value) {\n return (0, _builder.default)("NumberLiteralTypeAnnotation",
...arguments);\n}\n\nfunction numberTypeAnnotation() {\n return (0, _builder.default)("NumberTypeAnnotation",
...arguments);\n}\n\nfunction objectTypeAnnotation(properties, indexers, callProperties, internalSlots, exact) {\n
return (0, _builder.default)("ObjectTypeAnnotation", ...arguments);\n}\n\nfunction objectTypeInternalSlot(id,
value, optional, _static, method) {\n return (0, _builder.default)("ObjectTypeInternalSlot",
...arguments);\n}\n\nfunction objectTypeCallProperty(value) {\n return (0,
_builder.default)("ObjectTypeCallProperty", ...arguments);\n}\n\nfunction objectTypeIndexer(id, key, value,
variance) {\n return (0, _builder.default)("ObjectTypeIndexer", ...arguments);\n}\n\nfunction
objectTypeProperty(key, value, variance) {\n return (0, _builder.default)("ObjectTypeProperty",
...arguments);\n}\n\nfunction objectTypeSpreadProperty(argument) {\n return (0,
_builder.default)("ObjectTypeSpreadProperty", ...arguments);\n}\n\nfunction opaqueType(id, typeParameters,
supertype, impltype) {\n return (0, _builder.default)("OpaqueType", ...arguments);\n}\n\nfunction
qualifiedTypeIdentifier(id, qualification) {\n return (0, _builder.default)("QualifiedTypeIdentifier",
...arguments);\n}\n\nfunction stringLiteralTypeAnnotation(value) {\n return (0,
_builder.default)("StringLiteralTypeAnnotation", ...arguments);\n}\n\nfunction stringTypeAnnotation() {\n return
(0, _builder.default)("StringTypeAnnotation", ...arguments);\n}\n\nfunction symbolTypeAnnotation() {\n return
(0, _builder.default)("SymbolTypeAnnotation", ...arguments);\n}\n\nfunction thisTypeAnnotation() {\n return (0,
_builder.default)("ThisTypeAnnotation", ...arguments);\n}\n\nfunction tupleTypeAnnotation(types) {\n return (0,
_builder.default)("TupleTypeAnnotation", ...arguments);\n}\n\nfunction typeofTypeAnnotation(argument) {\n
return (0, _builder.default)("TypeofTypeAnnotation", ...arguments);\n}\n\nfunction typeAlias(id, typeParameters,
right) {\n return (0, _builder.default)("TypeAlias", ...arguments);\n}\n\nfunction typeAnnotation(typeAnnotation)
{\n return (0, _builder.default)("TypeAnnotation", ...arguments);\n}\n\nfunction typeCastExpression(expression,
typeAnnotation) {\n return (0, _builder.default)("TypeCastExpression", ...arguments);\n}\n\nfunction
typeParameter(bound, _default, variance) {\n return (0, _builder.default)("TypeParameter",
...arguments);\n}\n\nfunction typeParameterDeclaration(params) {\n return (0,

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_builder.default)("TypeParameterDeclaration", ...arguments);\n}\n\nfunction typeParameterInstantiation(params)
{\n return (0, _builder.default)("TypeParameterInstantiation", ...arguments);\n}\n\nfunction
unionTypeAnnotation(types) {\n return (0, _builder.default)("UnionTypeAnnotation",
...arguments);\n}\n\nfunction variance(kind) {\n return (0, _builder.default)("Variance",
...arguments);\n}\n\nfunction voidTypeAnnotation() {\n return (0, _builder.default)("VoidTypeAnnotation",
...arguments);\n}\n\nfunction enumDeclaration(id, body) {\n return (0, _builder.default)("EnumDeclaration",
...arguments);\n}\n\nfunction enumBooleanBody(members) {\n return (0, _builder.default)("EnumBooleanBody",
...arguments);\n}\n\nfunction enumNumberBody(members) {\n return (0, _builder.default)("EnumNumberBody",
...arguments);\n}\n\nfunction enumStringBody(members) {\n return (0, _builder.default)("EnumStringBody",
...arguments);\n}\n\nfunction enumSymbolBody(members) {\n return (0, _builder.default)("EnumSymbolBody",
...arguments);\n}\n\nfunction enumBooleanMember(id) {\n return (0, _builder.default)("EnumBooleanMember",
...arguments);\n}\n\nfunction enumNumberMember(id, init) {\n return (0,
_builder.default)("EnumNumberMember", ...arguments);\n}\n\nfunction enumStringMember(id, init) {\n return
(0, _builder.default)("EnumStringMember", ...arguments);\n}\n\nfunction enumDefaultedMember(id) {\n return
(0, _builder.default)("EnumDefaultedMember", ...arguments);\n}\n\nfunction indexedAccessType(objectType,
indexType) {\n return (0, _builder.default)("IndexedAccessType", ...arguments);\n}\n\nfunction
optionalIndexedAccessType(objectType, indexType) {\n return (0,
_builder.default)("OptionalIndexedAccessType", ...arguments);\n}\n\nfunction jsxAttribute(name, value) {\n
return (0, _builder.default)("JSXAttribute", ...arguments);\n}\n\nfunction jsxClosingElement(name) {\n return (0,
_builder.default)("JSXClosingElement", ...arguments);\n}\n\nfunction jsxElement(openingElement,
closingElement, children, selfClosing) {\n return (0, _builder.default)("JSXElement",
...arguments);\n}\n\nfunction jsxEmptyExpression() {\n return (0, _builder.default)("JSXEmptyExpression",
...arguments);\n}\n\nfunction jsxExpressionContainer(expression) {\n return (0,
_builder.default)("JSXExpressionContainer", ...arguments);\n}\n\nfunction jsxSpreadChild(expression) {\n return
(0, _builder.default)("JSXSpreadChild", ...arguments);\n}\n\nfunction jsxIdentifier(name) {\n return (0,
_builder.default)("JSXIdentifier", ...arguments);\n}\n\nfunction jsxMemberExpression(object, property) {\n return
(0, _builder.default)("JSXMemberExpression", ...arguments);\n}\n\nfunction jsxNamespacedName(namespace,
name) {\n return (0, _builder.default)("JSXNamespacedName", ...arguments);\n}\n\nfunction
jsxOpeningElement(name, attributes, selfClosing) {\n return (0, _builder.default)("JSXOpeningElement",
...arguments);\n}\n\nfunction jsxSpreadAttribute(argument) {\n return (0, _builder.default)("JSXSpreadAttribute",
...arguments);\n}\n\nfunction jsxText(value) {\n return (0, _builder.default)("JSXText",
...arguments);\n}\n\nfunction jsxFragment(openingFragment, closingFragment, children) {\n return (0,
_builder.default)("JSXFragment", ...arguments);\n}\n\nfunction jsxOpeningFragment() {\n return (0,
_builder.default)("JSXOpeningFragment", ...arguments);\n}\n\nfunction jsxClosingFragment() {\n return (0,
_builder.default)("JSXClosingFragment", ...arguments);\n}\n\nfunction noop() {\n return (0,
_builder.default)("Noop", ...arguments);\n}\n\nfunction placeholder(expectedNode, name) {\n return (0,
_builder.default)("Placeholder", ...arguments);\n}\n\nfunction v8IntrinsicIdentifier(name) {\n return (0,
_builder.default)("V8IntrinsicIdentifier", ...arguments);\n}\n\nfunction argumentPlaceholder() {\n return (0,
_builder.default)("ArgumentPlaceholder", ...arguments);\n}\n\nfunction bindExpression(object, callee) {\n return
(0, _builder.default)("BindExpression", ...arguments);\n}\n\nfunction classProperty(key, value, typeAnnotation,
decorators, computed, _static) {\n return (0, _builder.default)("ClassProperty", ...arguments);\n}\n\nfunction
pipelineTopicExpression(expression) {\n return (0, _builder.default)("PipelineTopicExpression",
...arguments);\n}\n\nfunction pipelineBareFunction(callee) {\n return (0,
_builder.default)("PipelineBareFunction", ...arguments);\n}\n\nfunction pipelinePrimaryTopicReference() {\n
return (0, _builder.default)("PipelinePrimaryTopicReference", ...arguments);\n}\n\nfunction
classPrivateProperty(key, value, decorators, _static) {\n return (0, _builder.default)("ClassPrivateProperty",
...arguments);\n}\n\nfunction classPrivateMethod(kind, key, params, body, _static) {\n return (0,
_builder.default)("ClassPrivateMethod", ...arguments);\n}\n\nfunction importAttribute(key, value) {\n return (0,

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_builder.default)("ImportAttribute", ...arguments);\n}\n\nfunction decorator(expression) {\n return (0,
_builder.default)("Decorator", ...arguments);\n}\n\nfunction doExpression(body, async) {\n return (0,
_builder.default)("DoExpression", ...arguments);\n}\n\nfunction exportDefaultSpecifier(exported) {\n return (0,
_builder.default)("ExportDefaultSpecifier", ...arguments);\n}\n\nfunction privateName(id) {\n return (0,
_builder.default)("PrivateName", ...arguments);\n}\n\nfunction recordExpression(properties) {\n return (0,
_builder.default)("RecordExpression", ...arguments);\n}\n\nfunction tupleExpression(elements) {\n return (0,
_builder.default)("TupleExpression", ...arguments);\n}\n\nfunction decimalLiteral(value) {\n return (0,
_builder.default)("DecimalLiteral", ...arguments);\n}\n\nfunction staticBlock(body) {\n return (0,
_builder.default)("StaticBlock", ...arguments);\n}\n\nfunction moduleExpression(body) {\n return (0,
_builder.default)("ModuleExpression", ...arguments);\n}\n\nfunction tsParameterProperty(parameter) {\n return
(0, _builder.default)("TSParameterProperty", ...arguments);\n}\n\nfunction tsDeclareFunction(id, typeParameters,
params, returnType) {\n return (0, _builder.default)("TSDeclareFunction", ...arguments);\n}\n\nfunction
tsDeclareMethod(decorators, key, typeParameters, params, returnType) {\n return (0,
_builder.default)("TSDeclareMethod", ...arguments);\n}\n\nfunction tsQualifiedName(left, right) {\n return (0,
_builder.default)("TSQualifiedName", ...arguments);\n}\n\nfunction tsCallSignatureDeclaration(typeParameters,
parameters, typeAnnotation) {\n return (0, _builder.default)("TSCallSignatureDeclaration",
...arguments);\n}\n\nfunction tsConstructSignatureDeclaration(typeParameters, parameters, typeAnnotation) {\n
return (0, _builder.default)("TSConstructSignatureDeclaration", ...arguments);\n}\n\nfunction
tsPropertySignature(key, typeAnnotation, initializer) {\n return (0, _builder.default)("TSPropertySignature",
...arguments);\n}\n\nfunction tsMethodSignature(key, typeParameters, parameters, typeAnnotation) {\n return (0,
_builder.default)("TSMethodSignature", ...arguments);\n}\n\nfunction tsIndexSignature(parameters,
typeAnnotation) {\n return (0, _builder.default)("TSIndexSignature", ...arguments);\n}\n\nfunction
tsAnyKeyword() {\n return (0, _builder.default)("TSAnyKeyword", ...arguments);\n}\n\nfunction
tsBooleanKeyword() {\n return (0, _builder.default)("TSBooleanKeyword", ...arguments);\n}\n\nfunction
tsBigIntKeyword() {\n return (0, _builder.default)("TSBigIntKeyword", ...arguments);\n}\n\nfunction
tsIntrinsicKeyword() {\n return (0, _builder.default)("TSIntrinsicKeyword", ...arguments);\n}\n\nfunction
tsNeverKeyword() {\n return (0, _builder.default)("TSNeverKeyword", ...arguments);\n}\n\nfunction
tsNullKeyword() {\n return (0, _builder.default)("TSNullKeyword", ...arguments);\n}\n\nfunction
tsNumberKeyword() {\n return (0, _builder.default)("TSNumberKeyword", ...arguments);\n}\n\nfunction
tsObjectKeyword() {\n return (0, _builder.default)("TSObjectKeyword", ...arguments);\n}\n\nfunction
tsStringKeyword() {\n return (0, _builder.default)("TSStringKeyword", ...arguments);\n}\n\nfunction
tsSymbolKeyword() {\n return (0, _builder.default)("TSSymbolKeyword", ...arguments);\n}\n\nfunction
tsUndefinedKeyword() {\n return (0, _builder.default)("TSUndefinedKeyword", ...arguments);\n}\n\nfunction
tsUnknownKeyword() {\n return (0, _builder.default)("TSUnknownKeyword", ...arguments);\n}\n\nfunction
tsVoidKeyword() {\n return (0, _builder.default)("TSVoidKeyword", ...arguments);\n}\n\nfunction tsThisType()
{\n return (0, _builder.default)("TSThisType", ...arguments);\n}\n\nfunction tsFunctionType(typeParameters,
parameters, typeAnnotation) {\n return (0, _builder.default)("TSFunctionType", ...arguments);\n}\n\nfunction
tsConstructorType(typeParameters, parameters, typeAnnotation) {\n return (0,
_builder.default)("TSConstructorType", ...arguments);\n}\n\nfunction tsTypeReference(typeName,
typeParameters) {\n return (0, _builder.default)("TSTypeReference", ...arguments);\n}\n\nfunction
tsTypePredicate(parameterName, typeAnnotation, asserts) {\n return (0, _builder.default)("TSTypePredicate",
...arguments);\n}\n\nfunction tsTypeQuery(exprName) {\n return (0, _builder.default)("TSTypeQuery",
...arguments);\n}\n\nfunction tsTypeLiteral(members) {\n return (0, _builder.default)("TSTypeLiteral",
...arguments);\n}\n\nfunction tsArrayType(elementType) {\n return (0, _builder.default)("TSArrayType",
...arguments);\n}\n\nfunction tsTupleType(elementTypes) {\n return (0, _builder.default)("TSTupleType",
...arguments);\n}\n\nfunction tsOptionalType(typeAnnotation) {\n return (0, _builder.default)("TSOptionalType",
...arguments);\n}\n\nfunction tsRestType(typeAnnotation) {\n return (0, _builder.default)("TSRestType",
...arguments);\n}\n\nfunction tsNamedTupleMember(label, elementType, optional) {\n return (0,

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_builder.default)("TSNamedTupleMember", ...arguments);\n}\n\nfunction tsUnionType(types) {\n return (0,
_builder.default)("TSUnionType", ...arguments);\n}\n\nfunction tsIntersectionType(types) {\n return (0,
_builder.default)("TSIntersectionType", ...arguments);\n}\n\nfunction tsConditionalType(checkType, extendsType,
trueType, falseType) {\n return (0, _builder.default)("TSConditionalType", ...arguments);\n}\n\nfunction
tsInferType(typeParameter) {\n return (0, _builder.default)("TSInferType", ...arguments);\n}\n\nfunction
tsParenthesizedType(typeAnnotation) {\n return (0, _builder.default)("TSParenthesizedType",
...arguments);\n}\n\nfunction tsTypeOperator(typeAnnotation) {\n return (0, _builder.default)("TSTypeOperator",
...arguments);\n}\n\nfunction tsIndexedAccessType(objectType, indexType) {\n return (0,
_builder.default)("TSIndexedAccessType", ...arguments);\n}\n\nfunction tsMappedType(typeParameter,
typeAnnotation, nameType) {\n return (0, _builder.default)("TSMappedType", ...arguments);\n}\n\nfunction
tsLiteralType(literal) {\n return (0, _builder.default)("TSLiteralType", ...arguments);\n}\n\nfunction
tsExpressionWithTypeArguments(expression, typeParameters) {\n return (0,
_builder.default)("TSExpressionWithTypeArguments", ...arguments);\n}\n\nfunction tsInterfaceDeclaration(id,
typeParameters, _extends, body) {\n return (0, _builder.default)("TSInterfaceDeclaration",
...arguments);\n}\n\nfunction tsInterfaceBody(body) {\n return (0, _builder.default)("TSInterfaceBody",
...arguments);\n}\n\nfunction tsTypeAliasDeclaration(id, typeParameters, typeAnnotation) {\n return (0,
_builder.default)("TSTypeAliasDeclaration", ...arguments);\n}\n\nfunction tsAsExpression(expression,
typeAnnotation) {\n return (0, _builder.default)("TSAsExpression", ...arguments);\n}\n\nfunction
tsTypeAssertion(typeAnnotation, expression) {\n return (0, _builder.default)("TSTypeAssertion",
...arguments);\n}\n\nfunction tsEnumDeclaration(id, members) {\n return (0,
_builder.default)("TSEnumDeclaration", ...arguments);\n}\n\nfunction tsEnumMember(id, initializer) {\n return
(0, _builder.default)("TSEnumMember", ...arguments);\n}\n\nfunction tsModuleDeclaration(id, body) {\n return
(0, _builder.default)("TSModuleDeclaration", ...arguments);\n}\n\nfunction tsModuleBlock(body) {\n return (0,
_builder.default)("TSModuleBlock", ...arguments);\n}\n\nfunction tsImportType(argument, qualifier,
typeParameters) {\n return (0, _builder.default)("TSImportType", ...arguments);\n}\n\nfunction
tsImportEqualsDeclaration(id, moduleReference) {\n return (0, _builder.default)("TSImportEqualsDeclaration",
...arguments);\n}\n\nfunction tsExternalModuleReference(expression) {\n return (0,
_builder.default)("TSExternalModuleReference", ...arguments);\n}\n\nfunction tsNonNullExpression(expression)
{\n return (0, _builder.default)("TSNonNullExpression", ...arguments);\n}\n\nfunction
tsExportAssignment(expression) {\n return (0, _builder.default)("TSExportAssignment",
...arguments);\n}\n\nfunction tsNamespaceExportDeclaration(id) {\n return (0,
_builder.default)("TSNamespaceExportDeclaration", ...arguments);\n}\n\nfunction
tsTypeAnnotation(typeAnnotation) {\n return (0, _builder.default)("TSTypeAnnotation",
...arguments);\n}\n\nfunction tsTypeParameterInstantiation(params) {\n return (0,
_builder.default)("TSTypeParameterInstantiation", ...arguments);\n}\n\nfunction
tsTypeParameterDeclaration(params) {\n return (0, _builder.default)("TSTypeParameterDeclaration",
...arguments);\n}\n\nfunction tsTypeParameter(constraint, _default, name) {\n return (0,
_builder.default)("TSTypeParameter", ...arguments);\n}\n\nfunction NumberLiteral(...args) {\n
console.trace("The node type NumberLiteral has been renamed to NumericLiteral");\n return (0,
_builder.default)("NumberLiteral", ...args);\n}\n\nfunction RegexLiteral(...args) {\n console.trace("The node type
RegexLiteral has been renamed to RegExpLiteral");\n return (0, _builder.default)("RegexLiteral",
...args);\n}\n\nfunction RestProperty(...args) {\n console.trace("The node type RestProperty has been renamed to
RestElement");\n return (0, _builder.default)("RestProperty", ...args);\n}\n\nfunction SpreadProperty(...args) {\n
console.trace("The node type SpreadProperty has been renamed to SpreadElement");\n return (0,
_builder.default)("SpreadProperty", ...args);\n},""use strict";\n\nObject.defineProperty(exports, "__esModule",
{\n value: true\n});\nexports.ArrayExpression = exports.arrayExpression =
arrayExpression;\nexports.AssignmentExpression = exports.assignmentExpression =
assignmentExpression;\nexports.BinaryExpression = exports.binaryExpression =

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binaryExpression;\nexports.InterpreterDirective = exports.interpreterDirective = interpreterDirective;\nexports.Directive = exports.directive = directive;\nexports.DirectiveLiteral = exports.directiveLiteral = directiveLiteral;\nexports.BlockStatement = exports.blockStatement = blockStatement;\nexports.BreakStatement = exports.breakStatement = breakStatement;\nexports.CallExpression = exports.callExpression = callExpression;\nexports.CatchClause = exports.catchClause = catchClause;\nexports.ConditionalExpression = exports.conditionalExpression = conditionalExpression;\nexports.ContinueStatement = exports.continueStatement = continueStatement;\nexports.DebuggerStatement = exports.debuggerStatement = debuggerStatement;\nexports.DoWhileStatement = exports.doWhileStatement = doWhileStatement;\nexports.EmptyStatement = exports.emptyStatement = emptyStatement;\nexports.ExpressionStatement = exports.expressionStatement = expressionStatement;\nexports.File = exports.file = file;\nexports.ForInStatement = exports.forInStatement = forInStatement;\nexports.ForStatement = exports.forStatement = forStatement;\nexports.FunctionDeclaration = exports.functionDeclaration = functionDeclaration;\nexports.FunctionExpression = exports.functionExpression = functionExpression;\nexports.Identifier = exports.identifier = identifier;\nexports.IfStatement = exports.ifStatement = ifStatement;\nexports.LabeledStatement = exports.labeledStatement = labeledStatement;\nexports.StringLiteral = exports.stringLiteral = stringLiteral;\nexports.NumericLiteral = exports.numericLiteral = numericLiteral;\nexports.NullLiteral = exports.nullLiteral = nullLiteral;\nexports.BooleanLiteral = exports.booleanLiteral = booleanLiteral;\nexports.RegExpLiteral = exports.regExpLiteral = regExpLiteral;\nexports.LogicalExpression = exports.logicalExpression = logicalExpression;\nexports.MemberExpression = exports.memberExpression = memberExpression;\nexports.NewExpression = exports.newExpression = newExpression;\nexports.Program = exports.program = program;\nexports.ObjectExpression = exports.objectExpression = objectExpression;\nexports.ObjectMethod = exports.objectMethod = objectMethod;\nexports.ObjectProperty = exports.objectProperty = objectProperty;\nexports.RestElement = exports.restElement = restElement;\nexports.ReturnStatement = exports.returnStatement = returnStatement;\nexports.SequenceExpression = exports.sequenceExpression = sequenceExpression;\nexports.ParenthesizedExpression = exports.parenthesizedExpression = parenthesizedExpression;\nexports.SwitchCase = exports.switchCase = switchCase;\nexports.SwitchStatement = exports.switchStatement = switchStatement;\nexports.ThisExpression = exports.thisExpression = thisExpression;\nexports.ThrowStatement = exports.throwStatement = throwStatement;\nexports.TryStatement = exports.tryStatement = tryStatement;\nexports.UnaryExpression = exports.unaryExpression = unaryExpression;\nexports.UpdateExpression = exports.updateExpression = updateExpression;\nexports.VariableDeclaration = exports.variableDeclaration = variableDeclaration;\nexports.VariableDeclarator = exports.variableDeclarator = variableDeclarator;\nexports.WhileStatement = exports.whileStatement = whileStatement;\nexports.WithStatement = exports.withStatement = withStatement;\nexports.AssignmentPattern = exports.assignmentPattern = assignmentPattern;\nexports.ArrayPattern = exports.arrayPattern = arrayPattern;\nexports.ArrowFunctionExpression = exports.arrowFunctionExpression = arrowFunctionExpression;\nexports.ClassBody = exports.classBody = classBody;\nexports.ClassExpression = exports.classExpression = classExpression;\nexports.ClassDeclaration = exports.classDeclaration = classDeclaration;\nexports.ExportAllDeclaration = exports.exportAllDeclaration = exportAllDeclaration;\nexports.ExportDefaultDeclaration = exports.exportDefaultDeclaration = exportDefaultDeclaration;\nexports.ExportNamedDeclaration = exports.exportNamedDeclaration = exportNamedDeclaration;\nexports.ExportSpecifier = exports.exportSpecifier = exportSpecifier;\nexports.ForOfStatement = exports.forOfStatement = forOfStatement;\nexports.ImportDeclaration = exports.importDeclaration = importDeclaration;\nexports.ImportDefaultSpecifier = exports.importDefaultSpecifier = importDefaultSpecifier;\nexports.ImportNamespaceSpecifier = exports.importNamespaceSpecifier = importNamespaceSpecifier;\nexports.ImportSpecifier = exports.importSpecifier = importSpecifier;\nexports.MetaProperty = exports.metaProperty =

metaProperty;\nexports.ClassMethod = exports.classMethod = classMethod;\nexports.ObjectPattern = exports.objectPattern = objectPattern;\nexports.SpreadElement = exports.spreadElement = spreadElement;\nexports.super = exports.Super = _super;\nexports.TaggedTemplateExpression = exports.taggedTemplateExpression = taggedTemplateExpression;\nexports.TemplateElement = exports.templateElement = templateElement;\nexports.TemplateLiteral = exports.templateLiteral = templateLiteral;\nexports.YieldExpression = exports.yieldExpression = yieldExpression;\nexports.AwaitExpression = exports.awaitExpression = awaitExpression;\nexports.import = exports.Import = _import;\nexports.BigIntLiteral = exports.bigIntLiteral = bigIntLiteral;\nexports.ExportNamespaceSpecifier = exports.exportNamespaceSpecifier = exportNamespaceSpecifier;\nexports.OptionalMemberExpression = exports.optionalMemberExpression = optionalMemberExpression;\nexports.OptionalCallExpression = exports.optionalCallExpression = optionalCallExpression;\nexports.AnyTypeAnnotation = exports.anyTypeAnnotation = anyTypeAnnotation;\nexports.ArrayTypeAnnotation = exports.arrayTypeAnnotation = arrayTypeAnnotation;\nexports.BooleanTypeAnnotation = exports.booleanTypeAnnotation = booleanTypeAnnotation;\nexports.BooleanLiteralTypeAnnotation = exports.booleanLiteralTypeAnnotation = booleanLiteralTypeAnnotation;\nexports.NullLiteralTypeAnnotation = exports.nullLiteralTypeAnnotation = nullLiteralTypeAnnotation;\nexports.ClassImplements = exports.classImplements = classImplements;\nexports.DeclareClass = exports.declareClass = declareClass;\nexports.DeclareFunction = exports.declareFunction = declareFunction;\nexports.DeclareInterface = exports.declareInterface = declareInterface;\nexports.DeclareModule = exports.declareModule = declareModule;\nexports.DeclareModuleExports = exports.declareModuleExports = declareModuleExports;\nexports.DeclareTypeAlias = exports.declareTypeAlias = declareTypeAlias;\nexports.DeclareOpaqueType = exports.declareOpaqueType = declareOpaqueType;\nexports.DeclareVariable = exports.declareVariable = declareVariable;\nexports.DeclareExportDeclaration = exports.declareExportDeclaration = declareExportDeclaration;\nexports.DeclareExportAllDeclaration = exports.declareExportAllDeclaration = declareExportAllDeclaration;\nexports.DeclaredPredicate = exports.declaredPredicate = declaredPredicate;\nexports.ExistsTypeAnnotation = exports.existsTypeAnnotation = existsTypeAnnotation;\nexports.FunctionTypeAnnotation = exports.functionTypeAnnotation = functionTypeAnnotation;\nexports.FunctionTypeParam = exports.functionTypeParam = functionTypeParam;\nexports.GenericTypeAnnotation = exports.genericTypeAnnotation = genericTypeAnnotation;\nexports.InferredPredicate = exports.inferredPredicate = inferredPredicate;\nexports.InterfaceExtends = exports.interfaceExtends = interfaceExtends;\nexports.InterfaceDeclaration = exports.interfaceDeclaration = interfaceDeclaration;\nexports.InterfaceTypeAnnotation = exports.interfaceTypeAnnotation = interfaceTypeAnnotation;\nexports.IntersectionTypeAnnotation = exports.intersectionTypeAnnotation = intersectionTypeAnnotation;\nexports.MixedTypeAnnotation = exports.mixedTypeAnnotation = mixedTypeAnnotation;\nexports.EmptyTypeAnnotation = exports.emptyTypeAnnotation = emptyTypeAnnotation;\nexports.NullableTypeAnnotation = exports.nullableTypeAnnotation = nullableTypeAnnotation;\nexports.NumberLiteralTypeAnnotation = exports.numberLiteralTypeAnnotation = numberLiteralTypeAnnotation;\nexports.NumberTypeAnnotation = exports.numberTypeAnnotation = numberTypeAnnotation;\nexports.ObjectTypeAnnotation = exports.objectTypeAnnotation = objectTypeAnnotation;\nexports.ObjectTypeInternalSlot = exports.objectTypeInternalSlot = objectTypeInternalSlot;\nexports.ObjectTypeCallProperty = exports.objectTypeCallProperty = objectTypeCallProperty;\nexports.ObjectTypeIndexer = exports.objectTypeIndexer = objectTypeIndexer;\nexports.ObjectTypeProperty = exports.objectTypeProperty = objectTypeProperty;\nexports.ObjectTypeSpreadProperty = exports.objectTypeSpreadProperty = objectTypeSpreadProperty;\nexports.OpaqueType = exports.opaqueType = opaqueType;\nexports.QualifiedTypeIdentifier = exports.qualifiedTypeIdentifier =

qualifiedTypeIdIdentifier;\nexports.StringLiteralTypeAnnotation = exports.stringLiteralTypeAnnotation = stringLiteralTypeAnnotation;\nexports.StringTypeAnnotation = exports.stringTypeAnnotation = stringTypeAnnotation;\nexports.SymbolTypeAnnotation = exports.symbolTypeAnnotation = symbolTypeAnnotation;\nexports.ThisTypeAnnotation = exports.thisTypeAnnotation = thisTypeAnnotation;\nexports.TupleTypeAnnotation = exports.tupleTypeAnnotation = tupleTypeAnnotation;\nexports.TypeofTypeAnnotation = exports.typeofTypeAnnotation = typeofTypeAnnotation;\nexports.TypeAlias = exports.typeAlias = typeAlias;\nexports.TypeAnnotation = exports.typeAnnotation = typeAnnotation;\nexports.TypeCastExpression = exports.typeCastExpression = typeCastExpression;\nexports.TypeParameter = exports.typeParameter = typeParameter;\nexports.TypeParameterDeclaration = exports.typeParameterDeclaration = typeParameterDeclaration;\nexports.TypeParameterInstantiation = exports.typeParameterInstantiation = typeParameterInstantiation;\nexports.UnionTypeAnnotation = exports.unionTypeAnnotation = unionTypeAnnotation;\nexports.Variance = exports.variance = variance;\nexports.VoidTypeAnnotation = exports.voidTypeAnnotation = voidTypeAnnotation;\nexports.EnumDeclaration = exports.enumDeclaration = enumDeclaration;\nexports.EnumBooleanBody = exports.enumBooleanBody = enumBooleanBody;\nexports.EnumNumberBody = exports.enumNumberBody = enumNumberBody;\nexports.EnumStringBody = exports.enumStringBody = enumStringBody;\nexports.EnumSymbolBody = exports.enumSymbolBody = enumSymbolBody;\nexports.EnumBooleanMember = exports.enumBooleanMember = enumBooleanMember;\nexports.EnumNumberMember = exports.enumNumberMember = enumNumberMember;\nexports.EnumStringMember = exports.enumStringMember = enumStringMember;\nexports.EnumDefaultedMember = exports.enumDefaultedMember = enumDefaultedMember;\nexports.jsxAttribute = exports.JSXAttribute = exports.jsxAttribute = jsxAttribute;\nexports.jsxClosingElement = exports.JSXClosingElement = exports.jsxClosingElement = jsxClosingElement;\nexports.jsxElement = exports.JSXElement = exports.jsxElement = jsxElement;\nexports.jsxEmptyExpression = exports.JSXEmptyExpression = exports.jsxEmptyExpression = jsxEmptyExpression;\nexports.jsxExpressionContainer = exports.JSXExpressionContainer = exports.jsxExpressionContainer = jsxExpressionContainer;\nexports.jSXSpreadChild = exports.JSXSpreadChild = exports.jsxSpreadChild = jsxSpreadChild;\nexports.jsxIdentifier = exports.JSXIdentifier = exports.jsxIdentifier = jsxIdentifier;\nexports.jsxMemberExpression = exports.JSXMemberExpression = exports.jsxMemberExpression = jsxMemberExpression;\nexports.jSXNamespacedName = exports.JSXNamespacedName = exports.jsxNamespacedName = jsxNamespacedName;\nexports.jSXOpeningElement = exports.JSXOpeningElement = exports.jsxOpeningElement = jsxOpeningElement;\nexports.jSXSpreadAttribute = exports.JSXSpreadAttribute = exports.jsxSpreadAttribute = jsxSpreadAttribute;\nexports.jSXText = exports.JSXText = exports.jsxText = jsxText;\nexports.jSXFragment = exports.JSXFragment = exports.jsxFragment = jsxFragment;\nexports.jSXOpeningFragment = exports.JSXOpeningFragment = exports.jsxOpeningFragment = jsxOpeningFragment;\nexports.jSXClosingFragment = exports.JSXClosingFragment = exports.jsxClosingFragment = jsxClosingFragment;\nexports.Noop = exports.noop = noop;\nexports.Placeholder = exports.placeholder = placeholder;\nexports.v8IntrinsicIdentifier = exports.v8IntrinsicIdentifier = v8IntrinsicIdentifier;\nexports.ArgumentPlaceholder = exports.argumentPlaceholder = argumentPlaceholder;\nexports.BindExpression = exports.bindExpression = bindExpression;\nexports.ClassProperty = exports.classProperty = classProperty;\nexports.PipelineTopicExpression = exports.pipelineTopicExpression = pipelineTopicExpression;\nexports.PipelineBareFunction = exports.pipelineBareFunction = pipelineBareFunction;\nexports.PipelinePrimaryTopicReference = exports.pipelinePrimaryTopicReference = pipelinePrimaryTopicReference;\nexports.ClassPrivateProperty = exports.classPrivateProperty = classPrivateProperty;\nexports.ClassPrivateMethod = exports.classPrivateMethod = classPrivateMethod;\nexports.ImportAttribute = exports.importAttribute = importAttribute;\nexports.Decorator = exports.decorator = decorator;\nexports.DoExpression = exports.doExpression =

doExpression;\nexports.ExportDefaultSpecifier = exports.exportDefaultSpecifier =
exportDefaultSpecifier;\nexports.PrivateName = exports.privateName = privateName;\nexports.RecordExpression =
exports.recordExpression = recordExpression;\nexports.TupleExpression = exports.tupleExpression =
tupleExpression;\nexports.DecimalLiteral = exports.decimalLiteral = decimalLiteral;\nexports.StaticBlock =
exports.staticBlock = staticBlock;\nexports.tSParameterProperty = exports.TSParameterProperty =
exports.tsParameterProperty = tsParameterProperty;\nexports.tSDeclareFunction = exports.TSDeclareFunction =
exports.tsDeclareFunction = tsDeclareFunction;\nexports.tSDeclareMethod = exports.TSDeclareMethod =
exports.tsDeclareMethod = tsDeclareMethod;\nexports.tSQualifiedName = exports.TSQualifiedName =
exports.tsQualifiedName = tsQualifiedName;\nexports.tSCallSignatureDeclaration =
exports.TSCallSignatureDeclaration = exports.tsCallSignatureDeclaration =
tsCallSignatureDeclaration;\nexports.tSConstructSignatureDeclaration = exports.TSConstructSignatureDeclaration
= exports.tsConstructSignatureDeclaration = tsConstructSignatureDeclaration;\nexports.tSPropertySignature =
exports.TSPropertySignature = exports.tsPropertySignature = tsPropertySignature;\nexports.tSMethodSignature =
exports.TSMethodSignature = exports.tsMethodSignature = tsMethodSignature;\nexports.tSIndexSignature =
exports.TSIndexSignature = exports.tsIndexSignature = tsIndexSignature;\nexports.tSAnyKeyword =
exports.TSAnyKeyword = exports.tsAnyKeyword = tsAnyKeyword;\nexports.tSBooleanKeyword =
exports.TSBooleanKeyword = exports.tsBooleanKeyword = tsBooleanKeyword;\nexports.tSBigIntKeyword =
exports.TSBigIntKeyword = exports.tsBigIntKeyword = tsBigIntKeyword;\nexports.tSIntrinsicKeyword =
exports.TSIntrinsicKeyword = exports.tsIntrinsicKeyword = tsIntrinsicKeyword;\nexports.tSNeverKeyword =
exports.TSNeverKeyword = exports.tsNeverKeyword = tsNeverKeyword;\nexports.tSNullKeyword =
exports.TSNullKeyword = exports.tsNullKeyword = tsNullKeyword;\nexports.tSNumberKeyword =
exports.TSNumberKeyword = exports.tsNumberKeyword = tsNumberKeyword;\nexports.tSObjectKeyword =
exports.TSObjectKeyword = exports.tsObjectKeyword = tsObjectKeyword;\nexports.tSStringKeyword =
exports.TSStringKeyword = exports.tsStringKeyword = tsStringKeyword;\nexports.tSSymbolKeyword =
exports.TSSymbolKeyword = exports.tsSymbolKeyword = tsSymbolKeyword;\nexports.tSUndefinedKeyword =
exports.TSUndefinedKeyword = exports.tsUndefinedKeyword =
tsUndefinedKeyword;\nexports.tSUnknownKeyword = exports.TSUnknownKeyword =
exports.tsUnknownKeyword = tsUnknownKeyword;\nexports.tSVoidKeyword = exports.TSVoidKeyword =
exports.tsVoidKeyword = tsVoidKeyword;\nexports.tSThisType = exports.TSThisType = exports.tsThisType =
tsThisType;\nexports.tSFunctionType = exports.TSFunctionType = exports.tsFunctionType =
tsFunctionType;\nexports.tSConstructorType = exports.TSConstructorType = exports.tsConstructorType =
tsConstructorType;\nexports.tSTypeReference = exports.TSTypeReference = exports.tsTypeReference =
tsTypeReference;\nexports.tSTypePredicate = exports.TSTypePredicate = exports.tsTypePredicate =
tsTypePredicate;\nexports.tSTypeQuery = exports.TSTypeQuery = exports.tsTypeQuery =
tsTypeQuery;\nexports.tSTypeLiteral = exports.TSTypeLiteral = exports.tsTypeLiteral =
tsTypeLiteral;\nexports.tSArrayType = exports.TSArrayType = exports.tsArrayType =
tsArrayType;\nexports.tSTupleType = exports.TSTupleType = exports.tsTupleType =
tsTupleType;\nexports.tSOptionalType = exports.TSOptionalType = exports.tsOptionalType =
tsOptionalType;\nexports.tSRestType = exports.TSRestType = exports.tsRestType =
tsRestType;\nexports.tSNamedTupleMember = exports.TSNamedTupleMember = exports.tsNamedTupleMember =
tsNamedTupleMember;\nexports.tSUnionType = exports.TSUnionType = exports.tsUnionType =
tsUnionType;\nexports.tSIntersectionType = exports.TSIntersectionType = exports.tsIntersectionType =
tsIntersectionType;\nexports.tSConditionalType = exports.TSConditionalType = exports.tsConditionalType =
tsConditionalType;\nexports.tSInferType = exports.TSInferType = exports.tsInferType =
tsInferType;\nexports.tSParenthesizedType = exports.TSParenthesizedType = exports.tsParenthesizedType =
tsParenthesizedType;\nexports.tSTypeOperator = exports.TSTypeOperator = exports.tsTypeOperator =
tsTypeOperator;\nexports.tSIndexedAccessType = exports.TSIndexedAccessType = exports.tsIndexedAccessType
= tsIndexedAccessType;\nexports.tSMappedType = exports.TSMappedType = exports.tsMappedType =

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tsMappedType;\nexports.tsLiteralType = exports.TSLiteralType = exports.tsLiteralType =
tsLiteralType;\nexports.tsExpressionWithTypeArguments = exports.TSExpressionWithTypeArguments =
exports.tsExpressionWithTypeArguments = tsExpressionWithTypeArguments;\nexports.tsInterfaceDeclaration =
exports.TSInterfaceDeclaration = exports.tsInterfaceDeclaration = tsInterfaceDeclaration;\nexports.tsInterfaceBody
= exports.TSInterfaceBody = exports.tsInterfaceBody = tsInterfaceBody;\nexports.tsTypeAliasDeclaration =
exports.TSTypeAliasDeclaration = exports.tsTypeAliasDeclaration =
tsTypeAliasDeclaration;\nexports.tsAsExpression = exports.TSAsExpression = exports.tsAsExpression =
tsAsExpression;\nexports.tsTypeAssertion = exports.TSTypeAssertion = exports.tsTypeAssertion =
tsTypeAssertion;\nexports.tsEnumDeclaration = exports.TSEnumDeclaration = exports.tsEnumDeclaration =
tsEnumDeclaration;\nexports.tsEnumMember = exports.TSEnumMember = exports.tsEnumMember =
tsEnumMember;\nexports.tsModuleDeclaration = exports.TSModuleDeclaration = exports.tsModuleDeclaration =
tsModuleDeclaration;\nexports.tsModuleBlock = exports.TSModuleBlock = exports.tsModuleBlock =
tsModuleBlock;\nexports.tsImportType = exports.TSImportType = exports.tsImportType =
tsImportType;\nexports.tsImportEqualsDeclaration = exports.TSImportEqualsDeclaration =
exports.tsImportEqualsDeclaration = tsImportEqualsDeclaration;\nexports.tsExternalModuleReference =
exports.TSExternalModuleReference = exports.tsExternalModuleReference =
tsExternalModuleReference;\nexports.tsNonNullExpression = exports.TSNonNullExpression =
exports.tsNonNullExpression = tsNonNullExpression;\nexports.tsExportAssignment =
exports.TSExportAssignment = exports.tsExportAssignment =
tsExportAssignment;\nexports.tsNamespaceExportDeclaration = exports.TSNamespaceExportDeclaration =
exports.tsNamespaceExportDeclaration = tsNamespaceExportDeclaration;\nexports.tsTypeAnnotation =
exports.TSTypeAnnotation = exports.tsTypeAnnotation =
tsTypeAnnotation;\nexports.tsTypeParameterInstantiation = exports.TSTypeParameterInstantiation =
exports.tsTypeParameterInstantiation = tsTypeParameterInstantiation;\nexports.tsTypeParameterDeclaration =
exports.TSTypeParameterDeclaration = exports.tsTypeParameterDeclaration =
tsTypeParameterDeclaration;\nexports.tsTypeParameter = exports.TSTypeParameter = exports.tsTypeParameter =
tsTypeParameter;\nexports.numberLiteral = exports.NumberLiteral = NumberLiteral;\nexports.regexLiteral =
exports.RegexLiteral = RegexLiteral;\nexports.restProperty = exports.RestProperty =
RestProperty;\nexports.spreadProperty = exports.SpreadProperty = SpreadProperty;\n\nvar _builder =
_interopRequireDefault(require(\"../builder\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction arrayExpression(...args) {\n return (0,
_builder.default)(\"ArrayExpression\", ...args);\n}\n\nfunction assignmentExpression(...args) {\n return (0,
_builder.default)(\"AssignmentExpression\", ...args);\n}\n\nfunction binaryExpression(...args) {\n return (0,
_builder.default)(\"BinaryExpression\", ...args);\n}\n\nfunction interpreterDirective(...args) {\n return (0,
_builder.default)(\"InterpreterDirective\", ...args);\n}\n\nfunction directive(...args) {\n return (0,
_builder.default)(\"Directive\", ...args);\n}\n\nfunction directiveLiteral(...args) {\n return (0,
_builder.default)(\"DirectiveLiteral\", ...args);\n}\n\nfunction blockStatement(...args) {\n return (0,
_builder.default)(\"BlockStatement\", ...args);\n}\n\nfunction breakStatement(...args) {\n return (0,
_builder.default)(\"BreakStatement\", ...args);\n}\n\nfunction callExpression(...args) {\n return (0,
_builder.default)(\"CallExpression\", ...args);\n}\n\nfunction catchClause(...args) {\n return (0,
_builder.default)(\"CatchClause\", ...args);\n}\n\nfunction conditionalExpression(...args) {\n return (0,
_builder.default)(\"ConditionalExpression\", ...args);\n}\n\nfunction continueStatement(...args) {\n return (0,
_builder.default)(\"ContinueStatement\", ...args);\n}\n\nfunction debuggerStatement(...args) {\n return (0,
_builder.default)(\"DebuggerStatement\", ...args);\n}\n\nfunction doWhileStatement(...args) {\n return (0,
_builder.default)(\"DoWhileStatement\", ...args);\n}\n\nfunction emptyStatement(...args) {\n return (0,
_builder.default)(\"EmptyStatement\", ...args);\n}\n\nfunction expressionStatement(...args) {\n return (0,
_builder.default)(\"ExpressionStatement\", ...args);\n}\n\nfunction file(...args) {\n return (0,
_builder.default)(\"File\", ...args);\n}\n\nfunction forInStatement(...args) {\n return (0,

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_builder.default)("ForInStatement", ...args);n}n\nfunction forStatement(...args) {\n return (0,
_builder.default)("ForStatement", ...args);n}n\nfunction functionDeclaration(...args) {\n return (0,
_builder.default)("FunctionDeclaration", ...args);n}n\nfunction functionExpression(...args) {\n return (0,
_builder.default)("FunctionExpression", ...args);n}n\nfunction identifier(...args) {\n return (0,
_builder.default)("Identifier", ...args);n}n\nfunction ifStatement(...args) {\n return (0,
_builder.default)("IfStatement", ...args);n}n\nfunction labeledStatement(...args) {\n return (0,
_builder.default)("LabeledStatement", ...args);n}n\nfunction stringLiteral(...args) {\n return (0,
_builder.default)("StringLiteral", ...args);n}n\nfunction numericLiteral(...args) {\n return (0,
_builder.default)("NumericLiteral", ...args);n}n\nfunction nullLiteral(...args) {\n return (0,
_builder.default)("NullLiteral", ...args);n}n\nfunction booleanLiteral(...args) {\n return (0,
_builder.default)("BooleanLiteral", ...args);n}n\nfunction regexpLiteral(...args) {\n return (0,
_builder.default)("RegExpLiteral", ...args);n}n\nfunction logicalExpression(...args) {\n return (0,
_builder.default)("LogicalExpression", ...args);n}n\nfunction memberExpression(...args) {\n return (0,
_builder.default)("MemberExpression", ...args);n}n\nfunction newExpression(...args) {\n return (0,
_builder.default)("NewExpression", ...args);n}n\nfunction program(...args) {\n return (0,
_builder.default)("Program", ...args);n}n\nfunction objectExpression(...args) {\n return (0,
_builder.default)("ObjectExpression", ...args);n}n\nfunction objectMethod(...args) {\n return (0,
_builder.default)("ObjectMethod", ...args);n}n\nfunction objectProperty(...args) {\n return (0,
_builder.default)("ObjectProperty", ...args);n}n\nfunction restElement(...args) {\n return (0,
_builder.default)("RestElement", ...args);n}n\nfunction returnStatement(...args) {\n return (0,
_builder.default)("ReturnStatement", ...args);n}n\nfunction sequenceExpression(...args) {\n return (0,
_builder.default)("SequenceExpression", ...args);n}n\nfunction parenthesizedExpression(...args) {\n return (0,
_builder.default)("ParenthesizedExpression", ...args);n}n\nfunction switchCase(...args) {\n return (0,
_builder.default)("SwitchCase", ...args);n}n\nfunction switchStatement(...args) {\n return (0,
_builder.default)("SwitchStatement", ...args);n}n\nfunction thisExpression(...args) {\n return (0,
_builder.default)("ThisExpression", ...args);n}n\nfunction throwStatement(...args) {\n return (0,
_builder.default)("ThrowStatement", ...args);n}n\nfunction tryStatement(...args) {\n return (0,
_builder.default)("TryStatement", ...args);n}n\nfunction unaryExpression(...args) {\n return (0,
_builder.default)("UnaryExpression", ...args);n}n\nfunction updateExpression(...args) {\n return (0,
_builder.default)("UpdateExpression", ...args);n}n\nfunction variableDeclaration(...args) {\n return (0,
_builder.default)("VariableDeclaration", ...args);n}n\nfunction variableDeclarator(...args) {\n return (0,
_builder.default)("VariableDeclarator", ...args);n}n\nfunction whileStatement(...args) {\n return (0,
_builder.default)("WhileStatement", ...args);n}n\nfunction withStatement(...args) {\n return (0,
_builder.default)("WithStatement", ...args);n}n\nfunction assignmentPattern(...args) {\n return (0,
_builder.default)("AssignmentPattern", ...args);n}n\nfunction arrayPattern(...args) {\n return (0,
_builder.default)("ArrayPattern", ...args);n}n\nfunction arrowFunctionExpression(...args) {\n return (0,
_builder.default)("ArrowFunctionExpression", ...args);n}n\nfunction classBody(...args) {\n return (0,
_builder.default)("ClassBody", ...args);n}n\nfunction classExpression(...args) {\n return (0,
_builder.default)("ClassExpression", ...args);n}n\nfunction classDeclaration(...args) {\n return (0,
_builder.default)("ClassDeclaration", ...args);n}n\nfunction exportAllDeclaration(...args) {\n return (0,
_builder.default)("ExportAllDeclaration", ...args);n}n\nfunction exportDefaultDeclaration(...args) {\n return (0,
_builder.default)("ExportDefaultDeclaration", ...args);n}n\nfunction exportNamedDeclaration(...args) {\n return
(0, _builder.default)("ExportNamedDeclaration", ...args);n}n\nfunction exportSpecifier(...args) {\n return (0,
_builder.default)("ExportSpecifier", ...args);n}n\nfunction forOfStatement(...args) {\n return (0,
_builder.default)("ForOfStatement", ...args);n}n\nfunction importDeclaration(...args) {\n return (0,
_builder.default)("ImportDeclaration", ...args);n}n\nfunction importDefaultSpecifier(...args) {\n return (0,
_builder.default)("ImportDefaultSpecifier", ...args);n}n\nfunction importNamespaceSpecifier(...args) {\n return
(0, _builder.default)("ImportNamespaceSpecifier", ...args);n}n\nfunction importSpecifier(...args) {\n return (0,

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_builder.default)("ImportSpecifier", ...args);
}
function metaProperty(...args) {
  return (0,
_builder.default)("MetaProperty", ...args);
}
function classMethod(...args) {
  return (0,
_builder.default)("ClassMethod", ...args);
}
function objectPattern(...args) {
  return (0,
_builder.default)("ObjectPattern", ...args);
}
function spreadElement(...args) {
  return (0,
_builder.default)("SpreadElement", ...args);
}
function _super(...args) {
  return (0,
_builder.default)("Super", ...args);
}
function taggedTemplateExpression(...args) {
  return (0,
_builder.default)("TaggedTemplateExpression", ...args);
}
function templateElement(...args) {
  return (0,
_builder.default)("TemplateElement", ...args);
}
function templateLiteral(...args) {
  return (0,
_builder.default)("TemplateLiteral", ...args);
}
function yieldExpression(...args) {
  return (0,
_builder.default)("YieldExpression", ...args);
}
function awaitExpression(...args) {
  return (0,
_builder.default)("AwaitExpression", ...args);
}
function _import(...args) {
  return (0,
_builder.default)("Import", ...args);
}
function bigIntLiteral(...args) {
  return (0,
_builder.default)("BigIntLiteral", ...args);
}
function exportNamespaceSpecifier(...args) {
  return (0,
_builder.default)("ExportNamespaceSpecifier", ...args);
}
function optionalMemberExpression(...args) {
  return (0,
_builder.default)("OptionalMemberExpression", ...args);
}
function optionalCallExpression(...args) {
  return (0,
_builder.default)("OptionalCallExpression", ...args);
}
function anyTypeAnnotation(...args) {
  return (0,
_builder.default)("AnyTypeAnnotation", ...args);
}
function arrayTypeAnnotation(...args) {
  return (0,
_builder.default)("ArrayTypeAnnotation", ...args);
}
function booleanTypeAnnotation(...args) {
  return (0,
_builder.default)("BooleanTypeAnnotation", ...args);
}
function booleanLiteralTypeAnnotation(...args) {
  return (0,
_builder.default)("BooleanLiteralTypeAnnotation", ...args);
}
function nullLiteralTypeAnnotation(...args) {
  return (0,
_builder.default)("NullLiteralTypeAnnotation",
...args);
}
function classImplements(...args) {
  return (0,
_builder.default)("ClassImplements",
...args);
}
function declareClass(...args) {
  return (0,
_builder.default)("DeclareClass",
...args);
}
function declareFunction(...args) {
  return (0,
_builder.default)("DeclareFunction",
...args);
}
function declareInterface(...args) {
  return (0,
_builder.default)("DeclareInterface",
...args);
}
function declareModule(...args) {
  return (0,
_builder.default)("DeclareModule",
...args);
}
function declareModuleExports(...args) {
  return (0,
_builder.default)("DeclareModuleExports",
...args);
}
function declareTypeAlias(...args) {
  return (0,
_builder.default)("DeclareTypeAlias",
...args);
}
function declareOpaqueType(...args) {
  return (0,
_builder.default)("DeclareOpaqueType",
...args);
}
function declareVariable(...args) {
  return (0,
_builder.default)("DeclareVariable",
...args);
}
function declareExportDeclaration(...args) {
  return (0,
_builder.default)("DeclareExportDeclaration", ...args);
}
function declareExportAllDeclaration(...args) {
  return (0,
_builder.default)("DeclareExportAllDeclaration", ...args);
}
function declaredPredicate(...args) {
  return (0,
_builder.default)("DeclaredPredicate", ...args);
}
function existsTypeAnnotation(...args) {
  return (0,
_builder.default)("ExistsTypeAnnotation", ...args);
}
function functionTypeAnnotation(...args) {
  return (0,
_builder.default)("FunctionTypeAnnotation", ...args);
}
function functionTypeParam(...args) {
  return (0,
_builder.default)("FunctionTypeParam", ...args);
}
function genericTypeAnnotation(...args) {
  return (0,
_builder.default)("GenericTypeAnnotation", ...args);
}
function inferredPredicate(...args) {
  return (0,
_builder.default)("InferredPredicate", ...args);
}
function interfaceExtends(...args) {
  return (0,
_builder.default)("InterfaceExtends", ...args);
}
function interfaceDeclaration(...args) {
  return (0,
_builder.default)("InterfaceDeclaration", ...args);
}
function interfaceTypeAnnotation(...args) {
  return (0,
_builder.default)("InterfaceTypeAnnotation", ...args);
}
function intersectionTypeAnnotation(...args) {
  return (0,
_builder.default)("IntersectionTypeAnnotation", ...args);
}
function mixedTypeAnnotation(...args) {
  return (0,
_builder.default)("MixedTypeAnnotation", ...args);
}
function emptyTypeAnnotation(...args) {
  return (0,
_builder.default)("EmptyTypeAnnotation", ...args);
}
function nullableTypeAnnotation(...args) {
  return (0,
_builder.default)("NullableTypeAnnotation", ...args);
}
function numberLiteralTypeAnnotation(...args) {
  return (0,
_builder.default)("NumberLiteralTypeAnnotation",
...args);
}
function numberTypeAnnotation(...args) {
  return (0,
_builder.default)("NumberTypeAnnotation",

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...args);\n}\n\nfunction objectTypeAnnotation(...args) {\n return (0, _builder.default)(\"ObjectTypeAnnotation\",
...args);\n}\n\nfunction objectTypeInternalSlot(...args) {\n return (0, _builder.default)(\"ObjectTypeInternalSlot\",
...args);\n}\n\nfunction objectTypeCallProperty(...args) {\n return (0, _builder.default)(\"ObjectTypeCallProperty\",
...args);\n}\n\nfunction objectTypeIndexer(...args) {\n return (0, _builder.default)(\"ObjectTypeIndexer\",
...args);\n}\n\nfunction objectTypeProperty(...args) {\n return (0, _builder.default)(\"ObjectTypeProperty\",
...args);\n}\n\nfunction objectTypeSpreadProperty(...args) {\n return (0,
_builder.default)(\"ObjectTypeSpreadProperty\", ...args);\n}\n\nfunction opaqueType(...args) {\n return (0,
_builder.default)(\"OpaqueType\", ...args);\n}\n\nfunction qualifiedTypeIdentifier(...args) {\n return (0,
_builder.default)(\"QualifiedTypeIdentifier\", ...args);\n}\n\nfunction stringLiteralTypeAnnotation(...args) {\n
return (0, _builder.default)(\"StringLiteralTypeAnnotation\", ...args);\n}\n\nfunction stringTypeAnnotation(...args)
{\n return (0, _builder.default)(\"StringTypeAnnotation\", ...args);\n}\n\nfunction symbolTypeAnnotation(...args)
{\n return (0, _builder.default)(\"SymbolTypeAnnotation\", ...args);\n}\n\nfunction thisTypeAnnotation(...args) {\n
return (0, _builder.default)(\"ThisTypeAnnotation\", ...args);\n}\n\nfunction tupleTypeAnnotation(...args) {\n return
(0, _builder.default)(\"TupleTypeAnnotation\", ...args);\n}\n\nfunction typeofTypeAnnotation(...args) {\n return (0,
_builder.default)(\"TypeofTypeAnnotation\", ...args);\n}\n\nfunction typeAlias(...args) {\n return (0,
_builder.default)(\"TypeAlias\", ...args);\n}\n\nfunction typeAnnotation(...args) {\n return (0,
_builder.default)(\"TypeAnnotation\", ...args);\n}\n\nfunction typeCastExpression(...args) {\n return (0,
_builder.default)(\"TypeCastExpression\", ...args);\n}\n\nfunction typeParameter(...args) {\n return (0,
_builder.default)(\"TypeParameter\", ...args);\n}\n\nfunction typeParameterDeclaration(...args) {\n return (0,
_builder.default)(\"TypeParameterDeclaration\", ...args);\n}\n\nfunction typeParameterInstantiation(...args) {\n
return (0, _builder.default)(\"TypeParameterInstantiation\", ...args);\n}\n\nfunction unionTypeAnnotation(...args)
{\n return (0, _builder.default)(\"UnionTypeAnnotation\", ...args);\n}\n\nfunction variance(...args) {\n return (0,
_builder.default)(\"Variance\", ...args);\n}\n\nfunction voidTypeAnnotation(...args) {\n return (0,
_builder.default)(\"VoidTypeAnnotation\", ...args);\n}\n\nfunction enumDeclaration(...args) {\n return (0,
_builder.default)(\"EnumDeclaration\", ...args);\n}\n\nfunction enumBooleanBody(...args) {\n return (0,
_builder.default)(\"EnumBooleanBody\", ...args);\n}\n\nfunction enumNumberBody(...args) {\n return (0,
_builder.default)(\"EnumNumberBody\", ...args);\n}\n\nfunction enumStringBody(...args) {\n return (0,
_builder.default)(\"EnumStringBody\", ...args);\n}\n\nfunction enumSymbolBody(...args) {\n return (0,
_builder.default)(\"EnumSymbolBody\", ...args);\n}\n\nfunction enumBooleanMember(...args) {\n return (0,
_builder.default)(\"EnumBooleanMember\", ...args);\n}\n\nfunction enumNumberMember(...args) {\n return (0,
_builder.default)(\"EnumNumberMember\", ...args);\n}\n\nfunction enumStringMember(...args) {\n return (0,
_builder.default)(\"EnumStringMember\", ...args);\n}\n\nfunction enumDefaultedMember(...args) {\n return (0,
_builder.default)(\"EnumDefaultedMember\", ...args);\n}\n\nfunction jsxAttribute(...args) {\n return (0,
_builder.default)(\"JSXAttribute\", ...args);\n}\n\nfunction jsxClosingElement(...args) {\n return (0,
_builder.default)(\"JSXClosingElement\", ...args);\n}\n\nfunction jsxElement(...args) {\n return (0,
_builder.default)(\"JSXElement\", ...args);\n}\n\nfunction jsxEmptyExpression(...args) {\n return (0,
_builder.default)(\"JSXEmptyExpression\", ...args);\n}\n\nfunction jsxExpressionContainer(...args) {\n return (0,
_builder.default)(\"JSXExpressionContainer\", ...args);\n}\n\nfunction jsxSpreadChild(...args) {\n return (0,
_builder.default)(\"JSXSpreadChild\", ...args);\n}\n\nfunction jsxIdentifier(...args) {\n return (0,
_builder.default)(\"JSXIdentifier\", ...args);\n}\n\nfunction jsxMemberExpression(...args) {\n return (0,
_builder.default)(\"JSXMemberExpression\", ...args);\n}\n\nfunction jsxNamespacedName(...args) {\n return (0,
_builder.default)(\"JSXNamespacedName\", ...args);\n}\n\nfunction jsxOpeningElement(...args) {\n return (0,
_builder.default)(\"JSXOpeningElement\", ...args);\n}\n\nfunction jsxSpreadAttribute(...args) {\n return (0,
_builder.default)(\"JSXSpreadAttribute\", ...args);\n}\n\nfunction jsxText(...args) {\n return (0,
_builder.default)(\"JSXText\", ...args);\n}\n\nfunction jsxFragment(...args) {\n return (0,
_builder.default)(\"JSXFragment\", ...args);\n}\n\nfunction jsxOpeningFragment(...args) {\n return (0,
_builder.default)(\"JSXOpeningFragment\", ...args);\n}\n\nfunction jsxClosingFragment(...args) {\n return (0,
_builder.default)(\"JSXClosingFragment\", ...args);\n}\n\nfunction noop(...args) {\n return (0,

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_builder.default)("Noop", ...args);}\n\nfunction placeholder(...args) {\n return (0,
_builder.default)("Placeholder", ...args);}\n\nfunction v8IntrinsicIdentifier(...args) {\n return (0,
_builder.default)("V8IntrinsicIdentifier", ...args);}\n\nfunction argumentPlaceholder(...args) {\n return (0,
_builder.default)("ArgumentPlaceholder", ...args);}\n\nfunction bindExpression(...args) {\n return (0,
_builder.default)("BindExpression", ...args);}\n\nfunction classProperty(...args) {\n return (0,
_builder.default)("ClassProperty", ...args);}\n\nfunction pipelineTopicExpression(...args) {\n return (0,
_builder.default)("PipelineTopicExpression", ...args);}\n\nfunction pipelineBareFunction(...args) {\n return (0,
_builder.default)("PipelineBareFunction", ...args);}\n\nfunction pipelinePrimaryTopicReference(...args) {\n
return (0, _builder.default)("PipelinePrimaryTopicReference", ...args);}\n\nfunction classPrivateProperty(...args)
{\n return (0, _builder.default)("ClassPrivateProperty", ...args);}\n\nfunction classPrivateMethod(...args) {\n
return (0, _builder.default)("ClassPrivateMethod", ...args);}\n\nfunction importAttribute(...args) {\n return (0,
_builder.default)("ImportAttribute", ...args);}\n\nfunction decorator(...args) {\n return (0,
_builder.default)("Decorator", ...args);}\n\nfunction doExpression(...args) {\n return (0,
_builder.default)("DoExpression", ...args);}\n\nfunction exportDefaultSpecifier(...args) {\n return (0,
_builder.default)("ExportDefaultSpecifier", ...args);}\n\nfunction privateName(...args) {\n return (0,
_builder.default)("PrivateName", ...args);}\n\nfunction recordExpression(...args) {\n return (0,
_builder.default)("RecordExpression", ...args);}\n\nfunction tupleExpression(...args) {\n return (0,
_builder.default)("TupleExpression", ...args);}\n\nfunction decimalLiteral(...args) {\n return (0,
_builder.default)("DecimalLiteral", ...args);}\n\nfunction staticBlock(...args) {\n return (0,
_builder.default)("StaticBlock", ...args);}\n\nfunction tsParameterProperty(...args) {\n return (0,
_builder.default)("TSParameterProperty", ...args);}\n\nfunction tsDeclareFunction(...args) {\n return (0,
_builder.default)("TSDeclareFunction", ...args);}\n\nfunction tsDeclareMethod(...args) {\n return (0,
_builder.default)("TSDeclareMethod", ...args);}\n\nfunction tsQualifiedName(...args) {\n return (0,
_builder.default)("TSQualifiedName", ...args);}\n\nfunction tsCallSignatureDeclaration(...args) {\n return (0,
_builder.default)("TSCallSignatureDeclaration", ...args);}\n\nfunction tsConstructSignatureDeclaration(...args)
{\n return (0, _builder.default)("TSConstructSignatureDeclaration", ...args);}\n\nfunction
tsPropertySignature(...args) {\n return (0, _builder.default)("TSPropertySignature", ...args);}\n\nfunction
tsMethodSignature(...args) {\n return (0, _builder.default)("TSMethodSignature", ...args);}\n\nfunction
tsIndexSignature(...args) {\n return (0, _builder.default)("TSIndexSignature", ...args);}\n\nfunction
tsAnyKeyword(...args) {\n return (0, _builder.default)("TSAnyKeyword", ...args);}\n\nfunction
tsBooleanKeyword(...args) {\n return (0, _builder.default)("TSBooleanKeyword", ...args);}\n\nfunction
tsBigIntKeyword(...args) {\n return (0, _builder.default)("TSBigIntKeyword", ...args);}\n\nfunction
tsIntrinsicKeyword(...args) {\n return (0, _builder.default)("TSIntrinsicKeyword", ...args);}\n\nfunction
tsNeverKeyword(...args) {\n return (0, _builder.default)("TSNeverKeyword", ...args);}\n\nfunction
tsNullKeyword(...args) {\n return (0, _builder.default)("TSNullKeyword", ...args);}\n\nfunction
tsNumberKeyword(...args) {\n return (0, _builder.default)("TSNumberKeyword", ...args);}\n\nfunction
tsObjectKeyword(...args) {\n return (0, _builder.default)("TSObjectKeyword", ...args);}\n\nfunction
tsStringKeyword(...args) {\n return (0, _builder.default)("TSStringKeyword", ...args);}\n\nfunction
tsSymbolKeyword(...args) {\n return (0, _builder.default)("TSSymbolKeyword", ...args);}\n\nfunction
tsUndefinedKeyword(...args) {\n return (0, _builder.default)("TSUndefinedKeyword", ...args);}\n\nfunction
tsUnknownKeyword(...args) {\n return (0, _builder.default)("TSUnknownKeyword", ...args);}\n\nfunction
tsVoidKeyword(...args) {\n return (0, _builder.default)("TSVoidKeyword", ...args);}\n\nfunction
tsThisType(...args) {\n return (0, _builder.default)("TSThisType", ...args);}\n\nfunction tsFunctionType(...args)
{\n return (0, _builder.default)("TSFunctionType", ...args);}\n\nfunction tsConstructorType(...args) {\n return
(0, _builder.default)("TSConstructorType", ...args);}\n\nfunction tsTypeReference(...args) {\n return (0,
_builder.default)("TSTypeReference", ...args);}\n\nfunction tsTypePredicate(...args) {\n return (0,
_builder.default)("TSTypePredicate", ...args);}\n\nfunction tsTypeQuery(...args) {\n return (0,
_builder.default)("TSTypeQuery", ...args);}\n\nfunction tsTypeLiteral(...args) {\n return (0,

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true,\n get: function () {\n  return _utils.NODE_FIELDS;\n }\n});\nObject.defineProperty(exports,
\"BUILDER_KEYS\", {\n  enumerable: true,\n  get: function () {\n    return _utils.BUILDER_KEYS;\n
  }\n});\nObject.defineProperty(exports, \"DEPRECATED_KEYS\", {\n  enumerable: true,\n  get: function () {\n
return _utils.DEPRECATED_KEYS;\n }\n});\nObject.defineProperty(exports,
\"NODE_PARENT_VALIDATIONS\", {\n  enumerable: true,\n  get: function () {\n    return
_utils.NODE_PARENT_VALIDATIONS;\n }\n});\nObject.defineProperty(exports, \"PLACEHOLDERS\", {\n
enumerable: true,\n  get: function () {\n    return _placeholders.PLACEHOLDERS;\n
  }\n});\nObject.defineProperty(exports, \"PLACEHOLDERS_ALIAS\", {\n  enumerable: true,\n  get: function () {\n
return _placeholders.PLACEHOLDERS_ALIAS;\n }\n});\nObject.defineProperty(exports,
\"PLACEHOLDERS_FLIPPED_ALIAS\", {\n  enumerable: true,\n  get: function () {\n    return
_placeholders.PLACEHOLDERS_FLIPPED_ALIAS;\n }\n});\nexports.TYPES = void 0;\n\nvar _toFastProperties
= _interopRequireDefault(require(\"to-fast-
properties\"));\n\nrequire(\"./core\");\n\nrequire(\"./flow\");\n\nrequire(\"./jsx\");\n\nrequire(\"./misc\");\n\nrequire(\"./
experimental\");\n\nrequire(\"./typescript\");\n\nvar _utils = require(\"./utils\");\n\nvar _placeholders =
require(\"./placeholders\");\n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : {
default: obj }; }\n\n(0, _toFastProperties.default)(_utils.VISITOR_KEYS);\n\n(0,
_toFastProperties.default)(_utils.ALIAS_KEYS);\n\n(0,
_toFastProperties.default)(_utils.FLIPPED_ALIAS_KEYS);\n\n(0,
_toFastProperties.default)(_utils.NODE_FIELDS);\n\n(0, _toFastProperties.default)(_utils.BUILDER_KEYS);\n\n(0,
_toFastProperties.default)(_utils.DEPRECATED_KEYS);\n\n(0,
_toFastProperties.default)(_placeholders.PLACEHOLDERS_ALIAS);\n\n(0,
_toFastProperties.default)(_placeholders.PLACEHOLDERS_FLIPPED_ALIAS);\n\nconst TYPES =
Object.keys(_utils.VISITOR_KEYS).concat(Object.keys(_utils.FLIPPED_ALIAS_KEYS)).concat(Object.keys(_uti
ls.DEPRECATED_KEYS));\n\nexports.TYPES = TYPES;\",\"use strict\";\n\nObject.defineProperty(exports,
\"__esModule\", {\n  value: true\n});\n\nObject.defineProperty(exports, \"VISITOR_KEYS\", {\n  enumerable: true,\n
get: function () {\n    return _utils.VISITOR_KEYS;\n }\n});\n\nObject.defineProperty(exports, \"ALIAS_KEYS\",
{\n  enumerable: true,\n  get: function () {\n    return _utils.ALIAS_KEYS;\n }\n});\n\nObject.defineProperty(exports,
\"FLIPPED_ALIAS_KEYS\", {\n  enumerable: true,\n  get: function () {\n    return
_utils.FLIPPED_ALIAS_KEYS;\n }\n});\n\nObject.defineProperty(exports, \"NODE_FIELDS\", {\n  enumerable:
true,\n  get: function () {\n    return _utils.NODE_FIELDS;\n }\n});\n\nObject.defineProperty(exports,
\"BUILDER_KEYS\", {\n  enumerable: true,\n  get: function () {\n    return _utils.BUILDER_KEYS;\n
  }\n});\n\nObject.defineProperty(exports, \"DEPRECATED_KEYS\", {\n  enumerable: true,\n  get: function () {\n
return _utils.DEPRECATED_KEYS;\n }\n});\n\nObject.defineProperty(exports,
\"NODE_PARENT_VALIDATIONS\", {\n  enumerable: true,\n  get: function () {\n    return
_utils.NODE_PARENT_VALIDATIONS;\n }\n});\n\nObject.defineProperty(exports, \"PLACEHOLDERS\", {\n
enumerable: true,\n  get: function () {\n    return _placeholders.PLACEHOLDERS;\n
  }\n});\n\nObject.defineProperty(exports, \"PLACEHOLDERS_ALIAS\", {\n  enumerable: true,\n  get: function () {\n
return _placeholders.PLACEHOLDERS_ALIAS;\n }\n});\n\nObject.defineProperty(exports,
\"PLACEHOLDERS_FLIPPED_ALIAS\", {\n  enumerable: true,\n  get: function () {\n    return
_placeholders.PLACEHOLDERS_FLIPPED_ALIAS;\n }\n});\n\nexports.TYPES = void 0;\n\nvar _toFastProperties
= require(\"to-fast-
properties\");\n\nrequire(\"./core\");\n\nrequire(\"./flow\");\n\nrequire(\"./jsx\");\n\nrequire(\"./misc\");\n\nrequire(\"./
experimental\");\n\nrequire(\"./typescript\");\n\nvar _utils = require(\"./utils\");\n\nvar _placeholders =
require(\"./placeholders\");\n\n_toFastProperties(_utils.VISITOR_KEYS);\n\n_toFastProperties(_utils.ALIAS_KEY
S);\n\n_toFastProperties(_utils.FLIPPED_ALIAS_KEYS);\n\n_toFastProperties(_utils.NODE_FIELDS);\n\n_toFast
Properties(_utils.BUILDER_KEYS);\n\n_toFastProperties(_utils.DEPRECATED_KEYS);\n\n_toFastProperties(_pl
aceholders.PLACEHOLDERS_ALIAS);\n\n_toFastProperties(_placeholders.PLACEHOLDERS_FLIPPED_ALIAS
);\n\nconst TYPES =

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Object.keys(_utils.VISITOR_KEYS).concat(Object.keys(_utils.FLIPPED_ALIAS_KEYS)).concat(Object.keys(_utils.DEPRECATED_KEYS));\nexports.TYPES = TYPES;","var freeGlobal = require('./_freeGlobal');\n\n/** Detect free variable `self`. */\nvar freeSelf = typeof self === 'object' && self && self.Object === Object && self;\n\n/** Used as a reference to the global object. */\nvar root = freeGlobal || freeSelf || Function('return this')();\n\nmodule.exports = root;\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value: true\n});\n\nexports.default = exports.SHOULD_SKIP = exports.SHOULD_STOP = exports.REMOVED = void 0;\n\nvar virtualTypes = _interopRequireWildcard(require("./lib/virtual-types"));;\nvar _debug = _interopRequireDefault(require("debug"));;\nvar _index = _interopRequireDefault(require("./index"));;\nvar _scope = _interopRequireDefault(require("./scope"));;\nvar t = _interopRequireWildcard(require("@babel/types"));;\nvar _cache = require("./cache");;\nvar _generator = _interopRequireDefault(require("@babel/generator"));;\nvar NodePath_ancestry = _interopRequireWildcard(require("./ancestry"));;\nvar NodePath_inference = _interopRequireWildcard(require("./inference"));;\nvar NodePath_replacement = _interopRequireWildcard(require("./replacement"));;\nvar NodePath_evaluation = _interopRequireWildcard(require("./evaluation"));;\nvar NodePath_conversion = _interopRequireWildcard(require("./conversion"));;\nvar NodePath_introspection = _interopRequireWildcard(require("./introspection"));;\nvar NodePath_context = _interopRequireWildcard(require("./context"));;\nvar NodePath_removal = _interopRequireWildcard(require("./removal"));;\nvar NodePath_modification = _interopRequireWildcard(require("./modification"));;\nvar NodePath_family = _interopRequireWildcard(require("./family"));;\nvar NodePath_comments = _interopRequireWildcard(require("./comments"));;\n\nfunction _interopRequireDefault(obj) {\n  return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction _getRequireWildcardCache() {\n  if (typeof WeakMap !== "function")\n    return null;\n  var cache = new WeakMap();\n  _getRequireWildcardCache = function () {\n    return cache; }\n  return cache; }\n\nfunction _interopRequireWildcard(obj) {\n  if (obj && obj.__esModule) {\n    return obj; }\n  if (obj === null || typeof obj !== "object" && typeof obj !== "function") {\n    return { default: obj }; }\n  var cache = _getRequireWildcardCache();\n  if (cache && cache.has(obj)) {\n    return cache.get(obj); }\n  var newObj = {};\n  var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;\n  for (var key in obj) {\n    if (Object.prototype.hasOwnProperty.call(obj, key)) {\n      var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null;\n      if (desc && (desc.get || desc.set)) {\n        Object.defineProperty(newObj, key, desc); }\n      else {\n        newObj[key] = obj[key]; }\n    }\n  }\n  newObj.default = obj;\n  if (cache) {\n    cache.set(obj, newObj); }\n  return newObj; }\n\nconst debug = (0, _debug.default)("babel");;\nconst REMOVED = 1 << 0;\nexports.REMOVED = REMOVED;\nconst SHOULD_STOP = 1 << 1;\nexports.SHOULD_STOP = SHOULD_STOP;\nconst SHOULD_SKIP = 1 << 2;\nexports.SHOULD_SKIP = SHOULD_SKIP;\n\nclass NodePath {\n  constructor(hub, parent) {\n    this.contexts = [];\n    this.state = null;\n    this.opts = null;\n    this._traverseFlags = 0;\n    this.skipKeys = null;\n    this.parentPath = null;\n    this.container = null;\n    this.listKey = null;\n    this.key = null;\n    this.node = null;\n    this.type = null;\n    this.parent = parent;\n    this.hub = hub;\n    this.data = null;\n    this.context = null;\n    this.scope = null;\n  }\n\n  static get({\n    hub,\n    parentPath,\n    parent,\n    container,\n    listKey,\n    key\n  }) {\n    if (!hub && parentPath) {\n      hub = parentPath.hub;\n    }\n    if (!parent) {\n      throw new Error("To get a node path the parent needs to exist");\n    }\n    const targetNode = container[key];\n    const paths = _cache.path.get(parent) || [];\n    if (!_cache.path.has(parent)) {\n      _cache.path.set(parent, paths);\n    }\n    let path;\n    for (let i = 0; i < paths.length; i++) {\n      const pathCheck = paths[i];\n      if (pathCheck.node === targetNode) {\n        path = pathCheck;\n        break;\n      }\n    }\n    if (!path) {\n      path = new NodePath(hub, parent);\n      paths.push(path);\n    }\n    path.setup(parentPath, container, listKey, key);\n    return path;\n  }\n\n  getScope(scope) {\n    return this.isScope() ? new _scope.default(this) : scope;\n  }\n\n  setData(key, val) {\n    if (this.data == null) {\n      this.data = Object.create(null);\n    }\n    return this.data[key] = val;\n  }\n\n  getData(key, def) {\n    if (this.data == null) {\n      this.data = Object.create(null);\n    }\n    let val = this.data[key];\n    if (val === undefined && def !==

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undefined) val = this.data[key] = def;\n  return val;\n }\n\n buildCodeFrameError(msg, Error = SyntaxError) {\n
return this.hub.buildError(this.node, msg, Error);\n }\n\n traverse(visitor, state) {\n  (0, _index.default)(this.node,
visitor, this.scope, state, this);\n }\n\n set(key, node) {\n  t.validate(this.node, key, node);\n  this.node[key] =
node;\n }\n\n getPathLocation() {\n  const parts = [];\n  let path = this;\n\n  do {\n    let key = path.key;\n    if
(path.inList) key = `${path.listKey}[${key}]`; \n    parts.unshift(key);\n  } while (path = path.parentPath);\n\n
return parts.join("\\.");\n }\n\n debug(message) {\n  if (!debug.enabled) return;\n
debug(` ${this.getPathLocation()} ${this.type}: ${message}`);\n }\n\n toString() {\n  return (0,
_generator.default)(this.node).code;\n }\n\n get inList() {\n  return !!this.listKey;\n }\n\n set inList(inList) {\n
if (!inList) {\n  this.listKey = null;\n } }\n\n get parentKey() {\n  return this.listKey || this.key;\n }\n\n get
shouldSkip() {\n  return !(this._traverseFlags & SHOULD_SKIP);\n }\n\n set shouldSkip(v) {\n  if (v) {\n
this._traverseFlags |= SHOULD_SKIP;\n } else {\n  this._traverseFlags &= ~SHOULD_SKIP;\n } }\n\n get
shouldStop() {\n  return !(this._traverseFlags & SHOULD_STOP);\n }\n\n set shouldStop(v) {\n  if (v) {\n
this._traverseFlags |= SHOULD_STOP;\n } else {\n  this._traverseFlags &= ~SHOULD_STOP;\n } }\n\n get
removed() {\n  return !(this._traverseFlags & REMOVED);\n }\n\n set removed(v) {\n  if (v) {\n
this._traverseFlags |= REMOVED;\n } else {\n  this._traverseFlags &= ~REMOVED;\n } }\n\n
}\n\n\n\nexports.default = NodePath;\nObject.assign(NodePath.prototype, NodePath_ancestry,
NodePath_inference, NodePath_replacement, NodePath_evaluation, NodePath_conversion,
NodePath_introspection, NodePath_context, NodePath_removal, NodePath_modification, NodePath_family,
NodePath_comments);\n\nfor (const type of t.TYPES) {\n  const typeKey = `is${type}`;\n  const fn =
t[typeKey];\n\n  NodePath.prototype[typeKey] = function (opts) {\n    return fn(this.node, opts);\n  };\n\n
NodePath.prototype[assert${type}] = function (opts) {\n  if (!fn(this.node, opts)) {\n    throw new
TypeError(`Expected node path of type ${type}`);\n  }\n };\n\n\nfor (const type of Object.keys(virtualTypes)) {\n
if (type[0] === "\\_") continue;\n  if (t.TYPES.indexOf(type) < 0) t.TYPES.push(type);\n  const virtualType =
virtualTypes[type];\n\n  NodePath.prototype[is${type}] = function (opts) {\n    return virtualType.checkPath(this,
opts);\n  };\n\n  "use strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value:
true\n});\n\nexports.validate = validate;\nexports.typeIs = typeIs;\nexports.validateType =
validateType;\nexports.validateOptional = validateOptional;\nexports.validateOptionalType =
validateOptionalType;\nexports.arrayOf = arrayOf;\nexports.arrayOfType =
arrayOfType;\nexports.validateArrayOfType = validateArrayOfType;\nexports.assertEach =
assertEach;\nexports.assertOneOf = assertOneOf;\nexports.assertNodeType =
assertNodeType;\nexports.assertNodeOrValueType = assertNodeOrValueType;\nexports.assertValueType =
assertValueType;\nexports.assertShape = assertShape;\nexports.assertOptionalChainStart =
assertOptionalChainStart;\nexports.chain = chain;\nexports.default =
defineType;\nexports.NODE_PARENT_VALIDATIONS = exports.DEPRECATED_KEYS =
exports.BUILDER_KEYS = exports.NODE_FIELDS = exports.FLIPPED_ALIAS_KEYS = exports.ALIAS_KEYS
= exports.VISITOR_KEYS = void 0;\n\nvar _is = _interopRequireDefault(require("../validators/is")); \n\nvar
_validate = require("../validators/validate");\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nconst VISITOR_KEYS = {};\nexports.VISITOR_KEYS =
VISITOR_KEYS;\nconst ALIAS_KEYS = {};\nexports.ALIAS_KEYS = ALIAS_KEYS;\nconst
FLIPPED_ALIAS_KEYS = {};\nexports.FLIPPED_ALIAS_KEYS = FLIPPED_ALIAS_KEYS;\nconst
NODE_FIELDS = {};\nexports.NODE_FIELDS = NODE_FIELDS;\nconst BUILDER_KEYS =
{};\nexports.BUILDER_KEYS = BUILDER_KEYS;\nconst DEPRECATED_KEYS =
{};\nexports.DEPRECATED_KEYS = DEPRECATED_KEYS;\nconst NODE_PARENT_VALIDATIONS =
{};\nexports.NODE_PARENT_VALIDATIONS = NODE_PARENT_VALIDATIONS;\n\nfunction getType(val)
{\n  if (Array.isArray(val)) {\n    return "array";\n  } else if (val === null) {\n    return "null";\n  } else {\n    return
typeof val;\n  }\n}\n\nfunction validate(validate) {\n  return {\n    validate\n  };\n}\n\nfunction typeIs(typeName) {\n
return typeof typeName === "string" ? assertNodeType(typeName) :
assertNodeType(...typeName);\n}\n\nfunction validateType(typeName) {\n  return

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validate(typeIs(typeName));\n\nfunction validateOptional(validate) {\n  return {\n    validate,\n    optional: true\n  };\n}\n\nfunction validateOptionalType(typeName) {\n  return {\n    validate: typeIs(typeName),\n    optional: true\n  };\n}\n\nfunction arrayOf(elementType) {\n  return chain(assertValueType(\"array\"),\n    assertEach(elementType));\n}\n\nfunction arrayOfType(typeName) {\n  return\n  arrayOf(typeIs(typeName));\n}\n\nfunction validateArrayOfType(typeName) {\n  return\n  validate(arrayOfType(typeName));\n}\n\nfunction assertEach(callback) {\n  function validator(node, key, val) {\n    if (!Array.isArray(val)) return;\n    for (let i = 0; i < val.length; i++) {\n      const subkey = `${key}[${i}]`;\n      const v = val[i];\n      callback(node, subkey, v);\n      if (process.env.BABEL_TYPES_8_BREAKING) (0,\n        _validate.validateChild)(node, subkey, v);\n    }\n  }\n  validator.each = callback;\n  return\n  validator;\n}\n\nfunction assertOneOf(...values) {\n  function validate(node, key, val) {\n    if (values.indexOf(val) <\n    0) {\n      throw new TypeError(`Property ${key} expected value to be one of ${JSON.stringify(values)} but got\n      ${JSON.stringify(val)}`);\n    }\n  }\n  validate.oneOf = values;\n  return validate;\n}\n\nfunction\n  assertNodeType(...types) {\n    function validate(node, key, val) {\n      for (const type of types) {\n        if ((0,\n          _is.default)(type, val)) {\n          (0, _validate.validateChild)(node, key, val);\n          return;\n        }\n      }\n      throw\n      new TypeError(`Property ${key} of ${node.type} expected node to be of a type ${JSON.stringify(types)} but\n      instead got ${JSON.stringify(val === null ? void 0 : val.type)}`);\n    }\n    validate.oneOfNodeTypes = types;\n    return validate;\n}\n\nfunction assertNodeOrValueType(...types) {\n  function validate(node, key, val) {\n    for\n    (const type of types) {\n      if (getType(val) === type || (0, _is.default)(type, val)) {\n        (0,\n        _validate.validateChild)(node, key, val);\n        return;\n      }\n    }\n    throw new TypeError(`Property ${key} of\n    ${node.type} expected node to be of a type ${JSON.stringify(types)} but instead got ${JSON.stringify(val === null ?\n    void 0 : val.type)}`);\n  }\n  validate.oneOfNodeOrValueTypes = types;\n  return validate;\n}\n\nfunction\n  assertValueType(type) {\n    function validate(node, key, val) {\n      const valid = getType(val) === type;\n      if\n      (!valid) {\n        throw new TypeError(`Property ${key} expected type of ${type} but got ${getType(val)}`);\n      }\n    }\n    validate.type = type;\n    return validate;\n}\n\nfunction assertShape(shape) {\n  function validate(node, key,\n  val) {\n    const errors = [];\n    for (const property of Object.keys(shape)) {\n      try {\n        (0,\n        _validate.validateField)(node, property, val[property], shape[property]);\n      } catch (error) {\n        if (error\n        instanceof TypeError) {\n          errors.push(error.message);\n          continue;\n        }\n        throw error;\n      }\n    }\n    if (errors.length) {\n      throw new TypeError(`Property ${key} of ${node.type} expected to have the\n      following:\\n${errors.join(\"\\n\")}`);\n    }\n  }\n  validate.shapeOf = shape;\n  return validate;\n}\n\nfunction\n  assertOptionalChainStart() {\n    function validate(node) {\n      var _current;\n      let current = node;\n      while\n      (node) {\n        const {\n          type\n        } = current;\n        if (type === \"OptionalCallExpression\") {\n          if\n          (current.optional) return;\n          current = current.callee;\n          continue;\n        }\n        if (type ===\n        \"OptionalMemberExpression\") {\n          if (current.optional) return;\n          current = current.object;\n          continue;\n        }\n        break;\n      }\n      throw new TypeError(`Non-optional ${node.type} must chain from an\n      optional OptionalMemberExpression or OptionalCallExpression. Found chain from ${(_current = current) == null ?\n      void 0 : _current.type}`);\n    }\n    return validate;\n}\n\nfunction chain(...fns) {\n  function validate(...args) {\n    for\n    (const fn of fns) {\n      fn(...args);\n    }\n  }\n  validate.chainOf = fns;\n  return validate;\n}\n\nconst\n  validTypeOpts = [\"aliases\", \"builder\", \"deprecatedAlias\", \"fields\", \"inherits\", \"visitor\", \"validate\"];\n  const\n  validFieldKeys = [\"default\", \"optional\", \"validate\"];\n  function defineType(type, opts = {}) {\n    const inherits\n    = opts.inherits && store[opts.inherits] || {};\n    let fields = opts.fields;\n    if (!fields) {\n      fields = {};\n    }\n    if\n    (inherits.fields) {\n      const keys = Object.getOwnPropertyNames(inherits.fields);\n      for (const key of keys) {\n        const field = inherits.fields[key];\n        fields[key] = {\n          default: field.default,\n          optional:\n          field.optional,\n          validate: field.validate\n        };\n      }\n    }\n    const visitor = opts.visitor ||\n    inherits.visitor || [];\n    const aliases = opts.aliases || inherits.aliases || [];\n    const builder = opts.builder ||\n    inherits.builder || opts.visitor || [];\n    for (const k of Object.keys(opts)) {\n      if (validTypeOpts.indexOf(k) === -1)\n      {\n        throw new Error(`Unknown type option \"${k}\" on ${type}`);\n      }\n    }\n    if (opts.deprecatedAlias) {\n      DEPRECATED_KEYS[opts.deprecatedAlias] = type;\n    }\n    for (const key of visitor.concat(builder)) {\n      fields[key] = fields[key] || {};\n    }\n    for (const key of Object.keys(fields)) {\n      const field = fields[key];\n      if

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(field.default !== undefined && builder.indexOf(key) === -1) {\n  field.optional = true;\n }\n\n if
(field.default === undefined) {\n  field.default = null;\n } else if (!field.validate && field.default != null) {\n
field.validate = assertValueType(getType(field.default));\n }\n\n for (const k of Object.keys(field)) {\n  if
(validFieldKeys.indexOf(k) === -1) {\n    throw new Error(`Unknown field key "${k}" on ${type}.${key}`);\n
  }\n }\n }\n\n VISITOR_KEYS[type] = opts.visitor = visitor;\n BUILDER_KEYS[type] = opts.builder =
builder;\n NODE_FIELDS[type] = opts.fields = fields;\n ALIAS_KEYS[type] = opts.aliases = aliases;\n
aliases.forEach(alias => {\n  FLIPPED_ALIAS_KEYS[alias] = FLIPPED_ALIAS_KEYS[alias] || [];\n
FLIPPED_ALIAS_KEYS[alias].push(type);\n });\n\n if (opts.validate) {\n
NODE_PARENT_VALIDATIONS[type] = opts.validate;\n }\n\n store[type] = opts;\n\n\nconst store =
{ };;"\n\nuse strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value: true\n});\n\nexports.validate =
validate;\n\nexports.typeIs = typeIs;\n\nexports.validateType = validateType;\n\nexports.validateOptional =
validateOptional;\n\nexports.validateOptionalType = validateOptionalType;\n\nexports.arrayOf =
arrayOf;\n\nexports.arrayOfType = arrayOfType;\n\nexports.validateArrayOfType =
validateArrayOfType;\n\nexports.assertEach = assertEach;\n\nexports.assertOneOf =
assertOneOf;\n\nexports.assertNodeType = assertNodeType;\n\nexports.assertNodeOrValueType =
assertNodeOrValueType;\n\nexports.assertValueType = assertValueType;\n\nexports.assertShape =
assertShape;\n\nexports.assertOptionalChainStart = assertOptionalChainStart;\n\nexports.chain =
chain;\n\nexports.default = defineType;\n\nexports.NODE_PARENT_VALIDATIONS =
exports.DEPRECATED_KEYS = exports.BUILDER_KEYS = exports.NODE_FIELDS =
exports.FLIPPED_ALIAS_KEYS = exports.ALIAS_KEYS = exports.VISITOR_KEYS = void 0;\n\n\nvar _is =
require("../validators/is");\n\n\nvar _validate = require("../validators/validate");\n\n\n\nconst VISITOR_KEYS =
{ };\n\n\nexports.VISITOR_KEYS = VISITOR_KEYS;\n\n\nconst ALIAS_KEYS = { };\n\n\nexports.ALIAS_KEYS =
ALIAS_KEYS;\n\n\nconst FLIPPED_ALIAS_KEYS = { };\n\n\nexports.FLIPPED_ALIAS_KEYS =
FLIPPED_ALIAS_KEYS;\n\n\nconst NODE_FIELDS = { };\n\n\nexports.NODE_FIELDS = NODE_FIELDS;\n\n\nconst
BUILDER_KEYS = { };\n\n\nexports.BUILDER_KEYS = BUILDER_KEYS;\n\n\nconst DEPRECATED_KEYS =
{ };\n\n\nexports.DEPRECATED_KEYS = DEPRECATED_KEYS;\n\n\nconst NODE_PARENT_VALIDATIONS =
{ };\n\n\nexports.NODE_PARENT_VALIDATIONS = NODE_PARENT_VALIDATIONS;\n\n\n\nfunction getType(val)
{\n  if (Array.isArray(val)) {\n    return "array";\n  }\n  else if (val === null) {\n    return "null";\n  }\n  else {\n    return
typeof val;\n  }\n}\n\n\nfunction validate(validate) {\n  return {\n    validate\n  };\n}\n\n\nfunction typeIs(typeName) {\n
return typeof typeName === "string" ? assertNodeType(typeName) :
assertNodeType(...typeName);\n}\n\n\nfunction validateType(typeName) {\n  return
validate(typeIs(typeName));\n}\n\n\nfunction validateOptional(validate) {\n  return {\n    validate,\n    optional: true\n
};\n}\n\n\nfunction validateOptionalType(typeName) {\n  return {\n    validate: typeIs(typeName),\n    optional: true\n
};\n}\n\n\nfunction arrayOf(elementType) {\n  return chain(assertValueType("array"),
assertEach(elementType));\n}\n\n\nfunction arrayOfType(typeName) {\n  return
arrayOf(typeIs(typeName));\n}\n\n\nfunction validateArrayOfType(typeName) {\n  return
validate(arrayOfType(typeName));\n}\n\n\nfunction assertEach(callback) {\n  function validator(node, key, val) {\n
if (!Array.isArray(val)) return;\n\n  for (let i = 0; i < val.length; i++) {\n    const subkey = `${key}[${i}]`;\n
const v = val[i];\n    callback(node, subkey, v);\n\n    if (process.env.BABEL_TYPES_8_BREAKING) (0,
_validate.validateChild)(node, subkey, v);\n  }\n}\n\n\n  validator.each = callback;\n  return
validator;\n}\n\n\nfunction assertOneOf(...values) {\n  function validate(node, key, val) {\n    if (values.indexOf(val) <
0) {\n      throw new TypeError(`Property ${key} expected value to be one of ${JSON.stringify(values)} but got
${JSON.stringify(val)}`);\n    }\n  }\n\n  validate.oneOf = values;\n  return validate;\n}\n\n\nfunction
assertNodeType(...types) {\n  function validate(node, key, val) {\n    for (const type of types) {\n      if ((0,
_is.default)(type, val)) {\n        (0, _validate.validateChild)(node, key, val);\n        return;\n      }\n    }\n\n    throw
new TypeError(`Property ${key} of ${node.type} expected node to be of a type ${JSON.stringify(types)} but
instead got ${JSON.stringify(val == null ? void 0 : val.type)}`);\n  }\n\n  validate.oneOfNodeTypes = types;\n  return
validate;\n}\n\n\nfunction assertNodeOrValueType(...types) {\n  function validate(node, key, val) {\n    for

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(const type of types) {\n  if (getType(val) === type || (0, _is.default)(type, val)) {\n    (0,
_validate.validateChild)(node, key, val);\n    return;\n  }\n}\n\n throw new TypeError(`Property ${key} of
${node.type} expected node to be of a type ${JSON.stringify(types)} but instead got ${JSON.stringify(val === null ?
void 0 : val.type)}`);\n}\n\n validate.oneOfNodeOrValueTypes = types;\n return validate;\n}\n\nfunction
assertValueType(type) {\n function validate(node, key, val) {\n  const valid = getType(val) === type;\n\n  if
(!valid) {\n    throw new TypeError(`Property ${key} expected type of ${type} but got ${getType(val)}`);\n  }\n}\n\n
validate.type = type;\n return validate;\n}\n\nfunction assertShape(shape) {\n function validate(node, key,
val) {\n  const errors = [];\n\n  for (const property of Object.keys(shape)) {\n    try {\n      (0,
_validate.validateField)(node, property, val[property], shape[property]);\n    } catch (error) {\n      if (error
instanceof TypeError) {\n        errors.push(error.message);\n        continue;\n      }\n      throw error;\n    }\n}\n\n
if (errors.length) {\n  throw new TypeError(`Property ${key} of ${node.type} expected to have the
following:\n\n${errors.join('\n\n')}`);\n}\n}\n}\n\n validate.shapeOf = shape;\n return validate;\n}\n\nfunction
assertOptionalChainStart() {\n function validate(node) {\n  var _current;\n\n  let current = node;\n\n  while
(node) {\n    const {\n      type\n    } = current;\n\n    if (type === "OptionalCallExpression") {\n      if
(current.optional) return;\n      current = current.callee;\n      continue;\n    }\n\n    if (type ===
"OptionalMemberExpression") {\n      if (current.optional) return;\n      current = current.object;\n
continue;\n    }\n\n    break;\n  }\n\n  throw new TypeError(`Non-optional ${node.type} must chain from an
optional OptionalMemberExpression or OptionalCallExpression. Found chain from ${(_current = current) === null ?
void 0 : _current.type}`);\n}\n}\n\n return validate;\n}\n\nfunction chain(...fns) {\n function validate(...args) {\n
for (const fn of fns) {\n  fn(...args);\n}\n}\n\n validate.chainOf = fns;\n\n if (fns.length >= 2 && "type" in
fns[0] && fns[0].type === "array" && !(("each" in fns[1])) {\n  throw new Error(`An assertValueType("array")
validator can only be followed by an assertEach(...) validator.`);\n}\n}\n\n return validate;\n}\n\nconst validTypeOpts
= ["aliases", "builder", "deprecatedAlias", "fields", "inherits", "visitor", "validate"];nconst validFieldKeys
= ["default", "optional", "validate"];nfunction defineType(type, opts = {}) {\n const inherits = opts.inherits
&& store[opts.inherits] || {};\n let fields = opts.fields;\n\n if (!fields) {\n  fields = {};\n}\n\n if (inherits.fields) {\n
const keys = Object.getOwnPropertyNames(inherits.fields);\n\n  for (const key of keys) {\n    const field =
inherits.fields[key];\n\n    const def = field.default;\n\n    if (Array.isArray(def) ? def.length > 0 : def && typeof
def === "object") {\n      throw new Error(`field defaults can only be primitives or empty arrays currently`);\n
}\n\n    fields[key] = {\n      default: Array.isArray(def) ? [] : def,\n      optional: field.optional,\n
validate: field.validate\n    };\n  }\n}\n}\n\n const visitor = opts.visitor || inherits.visitor || [];\n const aliases
= opts.aliases || inherits.aliases || [];\n const builder = opts.builder || inherits.builder || opts.visitor || [];\n\n for (const
k of Object.keys(opts)) {\n  if (validTypeOpts.indexOf(k) === -1) {\n    throw new Error(`Unknown type option
"${k}" on ${type}`);\n  }\n}\n\n if (opts.deprecatedAlias) {\n  DEPRECATED_KEYS[opts.deprecatedAlias]
= type;\n}\n\n for (const key of visitor.concat(builder)) {\n  fields[key] = fields[key] || {};\n}\n}\n\n for (const key
of Object.keys(fields)) {\n  const field = fields[key];\n\n  if (field.default !== undefined && builder.indexOf(key)
=== -1) {\n    field.optional = true;\n  }\n\n  if (field.default === undefined) {\n    field.default = null;\n  } else
if (!field.validate && field.default !== null) {\n    field.validate = assertValueType(getType(field.default));\n  }\n}\n\n
for (const k of Object.keys(field)) {\n  if (validFieldKeys.indexOf(k) === -1) {\n    throw new
Error(`Unknown field key "${k}" on ${type}.${key}`);\n  }\n}\n}\n\n VISITOR_KEYS[type] = opts.visitor
= visitor;\n BUILDER_KEYS[type] = opts.builder = builder;\n NODE_FIELDS[type] = opts.fields = fields;\n
ALIAS_KEYS[type] = opts.aliases = aliases;\n aliases.forEach(alias => {\n  FLIPPED_ALIAS_KEYS[alias] =
FLIPPED_ALIAS_KEYS[alias] || [];\n  FLIPPED_ALIAS_KEYS[alias].push(type);\n});\n}\n\n if (opts.validate)
{\n  NODE_PARENT_VALIDATIONS[type] = opts.validate;\n}\n}\n\n store[type] = opts;\n}\n\nconst store =
{};\n\n,"var baseIsNative = require('./_baseIsNative'),\n  getValue = require('./_getValue');\n\n/**\n * Gets the native
function at `key` of `object`.\n * @private\n * @param {Object} object The object to query.\n * @param
{string} key The key of the method to get.\n * @returns {*} Returns the function if it's native, else `undefined`.\n
*\nfunction getNative(object, key) {\n  var value = getValue(object, key);\n  return baseIsNative(value) ? value :
undefined;\n}\n\nmodule.exports = getNative;\n\n",/**\n * Checks if `value` is object-like. A value is object-like if

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it's not `null` and has a `typeof` result of `object`.
@static @memberOf @since 4.0.0
@category Lang
@param {*} value The value to check.
@returns {boolean} Returns `true` if `value` is
object-like, else `false`.
@example
_.isObjectLike({}); // => true
_.isObjectLike([1, 2, 3]); // => true
_.isObjectLike(_noop); // => false
_.isObjectLike(null); // => false
function isObjectLike(value) {
  return value != null && typeof value === 'object';
}
module.exports = isObjectLike;
"use strict";
Object.defineProperty(exports, '__esModule', {
  value: true
});
exports.NOT_LOCAL_BINDING = exports.BLOCK_SCOPED_SYMBOL = exports.INHERIT_KEYS =
exports.UNARY_OPERATORS = exports.STRING_UNARY_OPERATORS =
exports.NUMBER_UNARY_OPERATORS = exports.BOOLEAN_UNARY_OPERATORS =
exports.ASSIGNMENT_OPERATORS = exports.BINARY_OPERATORS =
exports.NUMBER_BINARY_OPERATORS = exports.BOOLEAN_BINARY_OPERATORS =
exports.COMPARISON_BINARY_OPERATORS = exports.EQUALITY_BINARY_OPERATORS =
exports.BOOLEAN_NUMBER_BINARY_OPERATORS = exports.UPDATE_OPERATORS =
exports.LOGICAL_OPERATORS = exports.COMMENT_KEYS = exports.FOR_INIT_KEYS =
exports.FLATTENABLE_KEYS = exports.STATEMENT_OR_BLOCK_KEYS = void 0;
const STATEMENT_OR_BLOCK_KEYS = ["consequent", "body",
  "alternate"];
exports.STATEMENT_OR_BLOCK_KEYS = STATEMENT_OR_BLOCK_KEYS;
const FLATTENABLE_KEYS = ["body", "expressions"];
exports.FLATTENABLE_KEYS = FLATTENABLE_KEYS;
const FOR_INIT_KEYS = ["left", "init"];
exports.FOR_INIT_KEYS = FOR_INIT_KEYS;
const COMMENT_KEYS = ["leadingComments", "trailingComments",
  "innerComments"];
exports.COMMENT_KEYS = COMMENT_KEYS;
const LOGICAL_OPERATORS = ["||", "&&", "??"];
exports.LOGICAL_OPERATORS = LOGICAL_OPERATORS;
const UPDATE_OPERATORS = ["++", "--"];
exports.UPDATE_OPERATORS = UPDATE_OPERATORS;
const BOOLEAN_NUMBER_BINARY_OPERATORS = [">", "<", ">=",
  "<="];
exports.BOOLEAN_NUMBER_BINARY_OPERATORS =
  BOOLEAN_NUMBER_BINARY_OPERATORS;
const EQUALITY_BINARY_OPERATORS = ["==",
  "===", "!=", "!=="];
exports.EQUALITY_BINARY_OPERATORS =
  EQUALITY_BINARY_OPERATORS;
const COMPARISON_BINARY_OPERATORS =
  [...EQUALITY_BINARY_OPERATORS, "in",
  "instanceof"];
exports.COMPARISON_BINARY_OPERATORS =
  COMPARISON_BINARY_OPERATORS;
const BOOLEAN_BINARY_OPERATORS =
  [...COMPARISON_BINARY_OPERATORS,
  ...BOOLEAN_NUMBER_BINARY_OPERATORS];
exports.BOOLEAN_BINARY_OPERATORS =
  BOOLEAN_BINARY_OPERATORS;
const NUMBER_BINARY_OPERATORS = ["-", "^", "%", "*",
  "**", "&", "||", ">>", ">>>", "<<", "^"];
exports.NUMBER_BINARY_OPERATORS =
  NUMBER_BINARY_OPERATORS;
const BINARY_OPERATORS = ["+"],
  ...NUMBER_BINARY_OPERATORS,
  ...BOOLEAN_BINARY_OPERATORS];
exports.BINARY_OPERATORS = BINARY_OPERATORS;
const ASSIGNMENT_OPERATORS = ["=", "+=", ...NUMBER_BINARY_OPERATORS.map(op => op + "="),
  ...LOGICAL_OPERATORS.map(op => op + "=")];
exports.ASSIGNMENT_OPERATORS =
  ASSIGNMENT_OPERATORS;
const BOOLEAN_UNARY_OPERATORS = ["delete",
  "!"];
exports.BOOLEAN_UNARY_OPERATORS = BOOLEAN_UNARY_OPERATORS;
const NUMBER_UNARY_OPERATORS = ["+", "-", "~"];
exports.NUMBER_UNARY_OPERATORS =
  NUMBER_UNARY_OPERATORS;
const STRING_UNARY_OPERATORS =
  ["typeof"];
exports.STRING_UNARY_OPERATORS = STRING_UNARY_OPERATORS;
const UNARY_OPERATORS = ["void", "throw", ...BOOLEAN_UNARY_OPERATORS,
  ...NUMBER_UNARY_OPERATORS, ...STRING_UNARY_OPERATORS];
exports.UNARY_OPERATORS =
  UNARY_OPERATORS;
const INHERIT_KEYS = {
  optional: ["typeAnnotation", "typeParameters"],

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\returnType\");\n force: [\start\, \loc\, \end\]\n};\nexports.INHERIT_KEYS = INHERIT_KEYS;\nconst
BLOCK_SCOPED_SYMBOL = Symbol.for(\var used to be block
scoped\");\nexports.BLOCK_SCOPED_SYMBOL = BLOCK_SCOPED_SYMBOL;\nconst
NOT_LOCAL_BINDING = Symbol.for(\should not be considered a local
binding\");\nexports.NOT_LOCAL_BINDING = NOT_LOCAL_BINDING;","use
strict";\n\nObject.defineProperty(exports, \_esModule\, {\n value: true\n});\nexports.default =
cloneNode;\n\nvar _definitions = require(\../definitions\");\n\nconst has =
Function.call.bind(Object.prototype.hasOwnProperty);\n\nfunction cloneIfNode(obj, deep, withoutLoc) {\n if (obj
&& typeof obj.type === \string\") {\n return cloneNode(obj, deep, withoutLoc);\n }\n\n return
obj;\n}\n\nfunction cloneIfNodeOrArray(obj, deep, withoutLoc) {\n if (Array.isArray(obj)) {\n return
obj.map(node => cloneIfNode(node, deep, withoutLoc));\n }\n\n return cloneIfNode(obj, deep,
withoutLoc);\n}\n\nfunction cloneNode(node, deep = true, withoutLoc = false) {\n if (!node) return node;\n const
{\n type\n } = node;\n const newNode = {\n type\n };\n\n if (type === \Identifier\") {\n newNode.name =
node.name;\n\n if (has(node, \optional\") && typeof node.optional === \boolean\") {\n newNode.optional =
node.optional;\n }\n\n if (has(node, \typeAnnotation\")) {\n newNode.typeAnnotation = deep ?
cloneIfNodeOrArray(node.typeAnnotation, true, withoutLoc) : node.typeAnnotation;\n }\n } else if
(!has(_definitions.NODE_FIELDS, type)) {\n throw new Error(Unknown node type: \${type}\");\n } else {\n
for (const field of Object.keys(_definitions.NODE_FIELDS[type])) {\n if (has(node, field)) {\n if (deep) {\n
newNode[field] = type === \File\ && field === \comments\ ? maybeCloneComments(node.comments,
deep, withoutLoc) : cloneIfNodeOrArray(node[field], true, withoutLoc);\n } else {\n newNode[field] =
node[field];\n }\n }\n }\n\n if (has(node, \loc\")) {\n if (withoutLoc) {\n newNode.loc = null;\n
} else {\n newNode.loc = node.loc;\n }\n }\n\n if (has(node, \leadingComments\")) {\n
newNode.leadingComments = maybeCloneComments(node.leadingComments, deep, withoutLoc);\n }\n\n if
(has(node, \innerComments\")) {\n newNode.innerComments = maybeCloneComments(node.innerComments,
deep, withoutLoc);\n }\n\n if (has(node, \trailingComments\")) {\n newNode.trailingComments =
maybeCloneComments(node.trailingComments, deep, withoutLoc);\n }\n\n if (has(node, \extra\")) {\n
newNode.extra = Object.assign({}, node.extra);\n }\n\n return newNode;\n}\n\nfunction
cloneCommentsWithoutLoc(comments) {\n return comments.map(({\n type,\n value\n }) => ({\n type,\n
value,\n loc: null\n }));\n}\n\nfunction maybeCloneComments(comments, deep, withoutLoc) {\n return deep &&
withoutLoc ? cloneCommentsWithoutLoc(comments) : comments;\n},"","use
strict";\n\nObject.defineProperty(exports, \_esModule\, {\n value: true\n});\nexports.NOT_LOCAL_BINDING
= exports.BLOCK_SCOPED_SYMBOL = exports.INHERIT_KEYS = exports.UNARY_OPERATORS =
exports.STRING_UNARY_OPERATORS = exports.NUMBER_UNARY_OPERATORS =
exports.BOOLEAN_UNARY_OPERATORS = exports.ASSIGNMENT_OPERATORS =
exports.BINARY_OPERATORS = exports.NUMBER_BINARY_OPERATORS =
exports.BOOLEAN_BINARY_OPERATORS = exports.COMPARISON_BINARY_OPERATORS =
exports.EQUALITY_BINARY_OPERATORS = exports.BOOLEAN_NUMBER_BINARY_OPERATORS =
exports.UPDATE_OPERATORS = exports.LOGICAL_OPERATORS = exports.COMMENT_KEYS =
exports.FOR_INIT_KEYS = exports.FLATTENABLE_KEYS = exports.STATEMENT_OR_BLOCK_KEYS =
void 0;\nconst STATEMENT_OR_BLOCK_KEYS = [\consequent\, \body\,
\alternate\];\nexports.STATEMENT_OR_BLOCK_KEYS = STATEMENT_OR_BLOCK_KEYS;\nconst
FLATTENABLE_KEYS = [\body\, \expressions\];\nexports.FLATTENABLE_KEYS =
FLATTENABLE_KEYS;\nconst FOR_INIT_KEYS = [\left\, \init\];\nexports.FOR_INIT_KEYS =
FOR_INIT_KEYS;\nconst COMMENT_KEYS = [\leadingComments\, \trailingComments\,
\innerComments\];\nexports.COMMENT_KEYS = COMMENT_KEYS;\nconst LOGICAL_OPERATORS =
[\|\, \&\, \?\?];\nexports.LOGICAL_OPERATORS = LOGICAL_OPERATORS;\nconst
UPDATE_OPERATORS = [\++\, \--\];\nexports.UPDATE_OPERATORS = UPDATE_OPERATORS;\nconst
BOOLEAN_NUMBER_BINARY_OPERATORS = [\>\, \<\, \>=\,

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\ "<="];\nextports.BOOLEAN_NUMBER_BINARY_OPERATORS =
BOOLEAN_NUMBER_BINARY_OPERATORS;\nconst EQUALITY_BINARY_OPERATORS = ["=="",
\ "====", \ "!=", \ "!=="]; \nextports.EQUALITY_BINARY_OPERATORS =
EQUALITY_BINARY_OPERATORS;\nconst COMPARISON_BINARY_OPERATORS =
[...EQUALITY_BINARY_OPERATORS, \ "in",
\ "instanceof"]; \nextports.COMPARISON_BINARY_OPERATORS =
COMPARISON_BINARY_OPERATORS;\nconst BOOLEAN_BINARY_OPERATORS =
[...COMPARISON_BINARY_OPERATORS,
...BOOLEAN_NUMBER_BINARY_OPERATORS]; \nextports.BOOLEAN_BINARY_OPERATORS =
BOOLEAN_BINARY_OPERATORS;\nconst NUMBER_BINARY_OPERATORS = [\ "-", \ "\^", \ "%", \ "*",
\ "**", \ "&", \ "|", \ ">>", \ ">>>", \ "<<", \ "\^"]; \nextports.NUMBER_BINARY_OPERATORS =
NUMBER_BINARY_OPERATORS;\nconst BINARY_OPERATORS = ["+",
...NUMBER_BINARY_OPERATORS,
...BOOLEAN_BINARY_OPERATORS]; \nextports.BINARY_OPERATORS = BINARY_OPERATORS;\nconst
ASSIGNMENT_OPERATORS = ["=", \ "+=", ...NUMBER_BINARY_OPERATORS.map(op => op + \ "="),
...LOGICAL_OPERATORS.map(op => op + \ "=")]; \nextports.ASSIGNMENT_OPERATORS =
ASSIGNMENT_OPERATORS;\nconst BOOLEAN_UNARY_OPERATORS = [\ "delete",
\ "!"]; \nextports.BOOLEAN_UNARY_OPERATORS = BOOLEAN_UNARY_OPERATORS;\nconst
NUMBER_UNARY_OPERATORS = ["+", \ "-", \ "~"]; \nextports.NUMBER_UNARY_OPERATORS =
NUMBER_UNARY_OPERATORS;\nconst STRING_UNARY_OPERATORS =
["typeof"]; \nextports.STRING_UNARY_OPERATORS = STRING_UNARY_OPERATORS;\nconst
UNARY_OPERATORS = [\ "void", \ "throw", ...BOOLEAN_UNARY_OPERATORS,
...NUMBER_UNARY_OPERATORS, ...STRING_UNARY_OPERATORS]; \nextports.UNARY_OPERATORS =
UNARY_OPERATORS;\nconst INHERIT_KEYS = {\n  optional: ["typeAnnotation", \ "typeParameters",
\ "returnType"],\n  force: ["start", \ "loc", \ "end"]}; \nextports.INHERIT_KEYS = INHERIT_KEYS;\nconst
BLOCK_SCOPED_SYMBOL = Symbol.for(\ "var used to be block
scoped"); \nextports.BLOCK_SCOPED_SYMBOL = BLOCK_SCOPED_SYMBOL;\nconst
NOT_LOCAL_BINDING = Symbol.for(\ "should not be considered a local
binding"); \nextports.NOT_LOCAL_BINDING = NOT_LOCAL_BINDING; \n\n"use
strict"; \n\nObject.defineProperty(exports, \ "__esModule", {\n  value: true}); \nextports.default =
cloneNode;\n\nvar _definitions = require(\ "../definitions"); \n\nvar _generated =
require(\ "../validators/generated"); \n\nconst has =
Function.call.bind(Object.prototype.hasOwnProperty);\n\nfunction cloneIfNode(obj, deep, withoutLoc) {\n  if (obj
&& typeof obj.type === \ "string") {\n    return cloneNode(obj, deep, withoutLoc);\n  }\n\n  return
obj;\n}\n\nfunction cloneIfNodeOrArray(obj, deep, withoutLoc) {\n  if (Array.isArray(obj)) {\n    return
obj.map(node => cloneIfNode(node, deep, withoutLoc));\n  }\n\n  return cloneIfNode(obj, deep,
withoutLoc);\n}\n\nfunction cloneNode(node, deep = true, withoutLoc = false) {\n  if (!node) return node;\n  const
{\n    type\n  } = node;\n  const newNode = {\n    type: node.type\n  }; \n\n  if ((0, _generated.isIdentifier)(node)) {\n
  newNode.name = node.name;\n  if (has(node, \ "optional") && typeof node.optional === \ "boolean") {\n
  newNode.optional = node.optional;\n  }\n\n  if (has(node, \ "typeAnnotation")) {\n    newNode.typeAnnotation =
deep ? cloneIfNodeOrArray(node.typeAnnotation, true, withoutLoc) : node.typeAnnotation;\n  }\n\n  } else if
(!has(_definitions.NODE_FIELDS, type)) {\n    throw new Error(\ "Unknown node type: "\${type}\");\n  } else {\n
  for (const field of Object.keys(_definitions.NODE_FIELDS[type])) {\n    if (has(node, field)) {\n      if (deep) {\n
        newNode[field] = (0, _generated.isFile)(node) && field === \ "comments" ?
maybeCloneComments(node.comments, deep, withoutLoc) : cloneIfNodeOrArray(node[field], true, withoutLoc);\n
      } else {\n        newNode[field] = node[field];\n      }\n    }\n  }\n\n  if (has(node, \ "loc")) {\n    if
(withoutLoc) {\n      newNode.loc = null;\n    } else {\n      newNode.loc = node.loc;\n    }\n  }\n\n  if (has(node,
\ "leadingComments")) {\n    newNode.leadingComments = maybeCloneComments(node.leadingComments, deep,

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withoutLoc);\n }\n\n if (has(node, \"innerComments\")) {\n  newNode.innerComments =
maybeCloneComments(node.innerComments, deep, withoutLoc);\n }\n\n if (has(node, \"trailingComments\")) {\n
newNode.trailingComments = maybeCloneComments(node.trailingComments, deep, withoutLoc);\n }\n\n if
(has(node, \"extra\")) {\n  newNode.extra = Object.assign({}, node.extra);\n }\n\n return
newNode;\n}\n\nfunction maybeCloneComments(comments, deep, withoutLoc) {\n if (!comments || !deep) {\n
return comments;\n }\n\n return comments.map(({\n  type,\n  value,\n  loc\n }) => {\n if (withoutLoc) {\n
return {\n  type,\n  value,\n  loc: null\n };}\n\n return {\n  type,\n  value,\n  loc\n };\n
});\n}\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
traverse;\n\nObject.defineProperty(exports, \"NodePath\", {\n enumerable: true,\n get: function () {\n return
_path.default;\n }});\n\nObject.defineProperty(exports, \"Scope\", {\n enumerable: true,\n get: function () {\n
return _scope.default;\n }});\n\nObject.defineProperty(exports, \"Hub\", {\n enumerable: true,\n get: function ()
{\n return _hub.default;\n }});\n\nexports.visitors = void 0;\n\nvar _context =
_interopRequireDefault(require(\"./context\"));\n\nvar visitors =
_interopRequireWildcard(require(\"./visitors\"));\n\nexports.visitors = visitors;\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nvar cache =
_interopRequireWildcard(require(\"./cache\"));\n\nvar _path = _interopRequireDefault(require(\"./path\"));\n\nvar
_scope = _interopRequireDefault(require(\"./scope\"));\n\nvar _hub =
_interopRequireDefault(require(\"./hub\"));\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
\"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj ===
null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction traverse(parent, opts, scope, state, parentPath) {\n if (!parent
return;\n if (!opts) opts = {};\n\n if (!opts.noScope && !scope) {\n if (parent.type !== \"Program\" &&
parent.type !== \"File\") {\n throw new Error(\"You must pass a scope and parentPath unless traversing a
Program/File. \" + `Instead of that you tried to traverse a ${parent.type} node without ` + \"passing scope and
parentPath.\");\n }\n }\n\n if (!t.VISITOR_KEYS[parent.type]) {\n return;\n }\n\n visitors.explode(opts);\n
traverse.node(parent, opts, scope, state, parentPath);\n}\n\ntraverse.visitors = visitors;\n\ntraverse.verify =
visitors.verify;\n\ntraverse.explode = visitors.explode;\n\ntraverse.cheap = function (node, enter) {\n return
t.traverseFast(node, enter);\n};\n\ntraverse.node = function (node, opts, scope, state, parentPath, skipKeys) {\n
const keys = t.VISITOR_KEYS[node.type];\n if (!keys) return;\n const context = new _context.default(scope, opts,
state, parentPath);\n for (const key of keys) {\n if (skipKeys && skipKeys[key]) continue;\n if
(context.visit(node, key)) return;\n }\n}\n\ntraverse.clearNode = function (node, opts) {\n
t.removeProperties(node, opts);\n cache.path.delete(node);\n};\n\ntraverse.removeProperties = function (tree, opts)
{\n t.traverseFast(tree, traverse.clearNode, opts);\n return tree;\n};\n\nfunction hasDenylistType(path, state) {\n
if (path.node.type === state.type) {\n state.has = true;\n path.stop();\n }}\n\ntraverse.hasType = function (tree,
type, denylistTypes) {\n if (denylistTypes === null ? void 0 : denylistTypes.includes(tree.type)) return false;\n if
(tree.type === type) return true;\n const state = {\n has: false,\n type: type\n };\n traverse(tree, {\n noScope:
true,\n denylist: denylistTypes,\n enter: hasDenylistType\n }, null, state);\n return
state.has;\n};\n\ntraverse.cache = cache;\n\nvar Symbol = require(\"./_Symbol\"),\n getRawTag =
require(\"./_getRawTag\"),\n objectToString = require(\"./_objectToString\");\n\n/** `Object#toString` result
references. */\n\nvar nullTag = 'object Null',\n undefinedTag = 'object Undefined';\n\n/** Built-in value
references. */\n\nvar symToStringTag = Symbol ? Symbol.toStringTag : undefined;\n\n/**\n * The base

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implementation of `getTag` without fallbacks for buggy environments.\n * \n * @private\n * @param {*} value The
value to query.\n * @returns {string} Returns the `toStringTag`.\n * \nfunction baseGetTag(value) {\n  if (value ==
null) {\n    return value === undefined ? undefinedTag : nullTag;\n  }\n  return (symToStringTag &&
symToStringTag in Object(value))\n    ? getRawTag(value)\n    : objectToString(value);\n}\n\nmodule.exports =
baseGetTag;\n\n"\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value:
true\n});\n\nObject.defineProperty(exports, \"isIdentifierName\", {\n  enumerable: true,\n  get: function () {\n    return
_identifier.isIdentifierName;\n  }\n});\n\nObject.defineProperty(exports, \"isIdentifierChar\", {\n  enumerable: true,\n  get: function () {\n    return
_identifier.isIdentifierChar;\n  }\n});\n\nObject.defineProperty(exports,
\"isIdentifierStart\", {\n  enumerable: true,\n  get: function () {\n    return
_identifier.isIdentifierStart;\n  }\n});\n\nObject.defineProperty(exports, \"isReservedWord\", {\n  enumerable: true,\n  get: function () {\n    return
_keyword.isReservedWord;\n  }\n});\n\nObject.defineProperty(exports, \"isStrictBindOnlyReservedWord\", {\n
enumerable: true,\n  get: function () {\n    return
_keyword.isStrictBindOnlyReservedWord;\n  }\n});\n\nObject.defineProperty(exports, \"isStrictBindReservedWord\", {\n  enumerable: true,\n  get: function () {\n
return
_keyword.isStrictBindReservedWord;\n  }\n});\n\nObject.defineProperty(exports, \"isStrictReservedWord\", {\n
enumerable: true,\n  get: function () {\n    return
_keyword.isStrictReservedWord;\n  }\n});\n\nObject.defineProperty(exports, \"isKeyword\", {\n  enumerable: true,\n  get: function () {\n    return
_keyword.isKeyword;\n  }\n});\n\nvar _identifier = require(\"./identifier\");\nvar _keyword =
require(\"./keyword\");\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nvar
_exportNames = {\n  react: true,\n  assertNode: true,\n  createTypeAnnotationBasedOnTypeof: true,\n  createUnionTypeAnnotation: true,\n  createFlowUnionType: true,\n  createTSUnionType: true,\n  cloneNode:
true,\n  clone: true,\n  cloneDeep: true,\n  cloneDeepWithoutLoc: true,\n  cloneWithoutLoc: true,\n  addComment:
true,\n  addComments: true,\n  inheritInnerComments: true,\n  inheritLeadingComments: true,\n  inheritsComments:
true,\n  inheritTrailingComments: true,\n  removeComments: true,\n  ensureBlock: true,\n  toBindingIdentifierName: true,\n  toBlock: true,\n  toComputedKey: true,\n  toExpression: true,\n  toIdentifier:
true,\n  toKeyAlias: true,\n  toSequenceExpression: true,\n  toStatement: true,\n  valueToNode: true,\n  appendToMemberExpression: true,\n  inherits: true,\n  prependToMemberExpression: true,\n  removeProperties:
true,\n  removePropertiesDeep: true,\n  removeTypeDuplicates: true,\n  getBindingIdentifiers: true,\n  getOuterBindingIdentifiers: true,\n  traverse: true,\n  traverseFast: true,\n  shallowEqual: true,\n  is: true,\n  isBinding: true,\n  isBlockScoped: true,\n  isImmutable: true,\n  isLet: true,\n  isNode: true,\n  isNodesEquivalent:
true,\n  isPlaceholderType: true,\n  isReferenced: true,\n  isScope: true,\n  isSpecifierDefault: true,\n  isType: true,\n  isValidES3Identifier: true,\n  isValidIdentifier: true,\n  isVar: true,\n  matchesPattern: true,\n  validate: true,\n  buildMatchMemberExpression: true\n};\n\nObject.defineProperty(exports, \"assertNode\", {\n  enumerable: true,\n  get: function () {\n    return
_assertNode.default;\n  }\n});\n\nObject.defineProperty(exports,
\"createTypeAnnotationBasedOnTypeof\", {\n  enumerable: true,\n  get: function () {\n    return
_createTypeAnnotationBasedOnTypeof.default;\n  }\n});\n\nObject.defineProperty(exports,
\"createUnionTypeAnnotation\", {\n  enumerable: true,\n  get: function () {\n    return
_createFlowUnionType.default;\n  }\n});\n\nObject.defineProperty(exports, \"createFlowUnionType\", {\n
enumerable: true,\n  get: function () {\n    return
_createFlowUnionType.default;\n  }\n});\n\nObject.defineProperty(exports, \"createTSUnionType\", {\n  enumerable: true,\n  get: function () {\n    return
_createTSUnionType.default;\n  }\n});\n\nObject.defineProperty(exports, \"cloneNode\", {\n  enumerable: true,\n  get:
function () {\n    return _cloneNode.default;\n  }\n});\n\nObject.defineProperty(exports, \"clone\", {\n  enumerable:
true,\n  get: function () {\n    return _clone.default;\n  }\n});\n\nObject.defineProperty(exports, \"cloneDeep\", {\n
enumerable: true,\n  get: function () {\n    return _cloneDeep.default;\n  }\n});\n\nObject.defineProperty(exports,
\"cloneDeepWithoutLoc\", {\n  enumerable: true,\n  get: function () {\n    return
_cloneDeepWithoutLoc.default;\n  }\n});\n\nObject.defineProperty(exports, \"cloneWithoutLoc\", {\n  enumerable: true,\n  get: function () {\n    return
_cloneWithoutLoc.default;\n  }\n});\n\nObject.defineProperty(exports, \"addComment\", {\n  enumerable: true,\n  get:
function () {\n    return _addComment.default;\n  }\n});\n\nObject.defineProperty(exports, \"addComments\", {\n  enumerable: true,\n  get:
function () {\n    return _addComments.default;\n  }\n});\n\nObject.defineProperty(exports,

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\inheritInnerComments", {\n enumerable: true,\n get: function () {\n return _inheritInnerComments.default;\n
}\n});\nObject.defineProperty(exports, \inheritLeadingComments", {\n enumerable: true,\n get: function () {\n
return _inheritLeadingComments.default;\n }\n});\nObject.defineProperty(exports, \inheritsComments", {\n
enumerable: true,\n get: function () {\n return _inheritsComments.default;\n
}\n});\nObject.defineProperty(exports, \inheritTrailingComments", {\n enumerable: true,\n get: function () {\n
return _inheritTrailingComments.default;\n }\n});\nObject.defineProperty(exports, \removeComments", {\n
enumerable: true,\n get: function () {\n return _removeComments.default;\n
}\n});\nObject.defineProperty(exports, \ensureBlock", {\n enumerable: true,\n get: function () {\n return
_ensureBlock.default;\n }\n});\nObject.defineProperty(exports, \toBindingIdentifierName", {\n enumerable:
true,\n get: function () {\n return _toBindingIdentifierName.default;\n }\n});\nObject.defineProperty(exports,
\toBlock", {\n enumerable: true,\n get: function () {\n return _toBlock.default;\n
}\n});\nObject.defineProperty(exports, \toComputedKey", {\n enumerable: true,\n get: function () {\n return
_toComputedKey.default;\n }\n});\nObject.defineProperty(exports, \toExpression", {\n enumerable: true,\n get:
function () {\n return _toExpression.default;\n }\n});\nObject.defineProperty(exports, \toIdentifier", {\n
enumerable: true,\n get: function () {\n return _toIdentifier.default;\n }\n});\nObject.defineProperty(exports,
\toKeyAlias", {\n enumerable: true,\n get: function () {\n return _toKeyAlias.default;\n
}\n});\nObject.defineProperty(exports, \toSequenceExpression", {\n enumerable: true,\n get: function () {\n
return _toSequenceExpression.default;\n }\n});\nObject.defineProperty(exports, \toStatement", {\n enumerable:
true,\n get: function () {\n return _toStatement.default;\n }\n});\nObject.defineProperty(exports,
\valueToNode", {\n enumerable: true,\n get: function () {\n return _valueToNode.default;\n
}\n});\nObject.defineProperty(exports, \appendToMemberExpression", {\n enumerable: true,\n get: function ()
{\n return _appendToMemberExpression.default;\n }\n});\nObject.defineProperty(exports, \inherits", {\n
enumerable: true,\n get: function () {\n return _inherits.default;\n }\n});\nObject.defineProperty(exports,
\prependToMemberExpression", {\n enumerable: true,\n get: function () {\n return
_prependToMemberExpression.default;\n }\n});\nObject.defineProperty(exports, \removeProperties", {\n
enumerable: true,\n get: function () {\n return _removeProperties.default;\n
}\n});\nObject.defineProperty(exports, \removePropertiesDeep", {\n enumerable: true,\n get: function () {\n
return _removePropertiesDeep.default;\n }\n});\nObject.defineProperty(exports, \removeTypeDuplicates", {\n
enumerable: true,\n get: function () {\n return _removeTypeDuplicates.default;\n
}\n});\nObject.defineProperty(exports, \getBindingIdentifiers", {\n enumerable: true,\n get: function () {\n
return _getBindingIdentifiers.default;\n }\n});\nObject.defineProperty(exports, \getOuterBindingIdentifiers", {\n
enumerable: true,\n get: function () {\n return _getOuterBindingIdentifiers.default;\n
}\n});\nObject.defineProperty(exports, \traverse", {\n enumerable: true,\n get: function () {\n return
_traverse.default;\n }\n});\nObject.defineProperty(exports, \traverseFast", {\n enumerable: true,\n get: function ()
{\n return _traverseFast.default;\n }\n});\nObject.defineProperty(exports, \shallowEqual", {\n enumerable:
true,\n get: function () {\n return _shallowEqual.default;\n }\n});\nObject.defineProperty(exports, \is", {\n
enumerable: true,\n get: function () {\n return _is.default;\n }\n});\nObject.defineProperty(exports, \isBinding",
{\n enumerable: true,\n get: function () {\n return _isBinding.default;\n }\n});\nObject.defineProperty(exports,
\isBlockScoped", {\n enumerable: true,\n get: function () {\n return _isBlockScoped.default;\n
}\n});\nObject.defineProperty(exports, \isImmutable", {\n enumerable: true,\n get: function () {\n return
_isImmutable.default;\n }\n});\nObject.defineProperty(exports, \isLet", {\n enumerable: true,\n get: function ()
{\n return _isLet.default;\n }\n});\nObject.defineProperty(exports, \isNode", {\n enumerable: true,\n get:
function () {\n return _isNode.default;\n }\n});\nObject.defineProperty(exports, \isNodesEquivalent", {\n
enumerable: true,\n get: function () {\n return _isNodesEquivalent.default;\n
}\n});\nObject.defineProperty(exports, \isPlaceholderType", {\n enumerable: true,\n get: function () {\n return
_isPlaceholderType.default;\n }\n});\nObject.defineProperty(exports, \isReferenced", {\n enumerable: true,\n
get: function () {\n return _isReferenced.default;\n }\n});\nObject.defineProperty(exports, \isScope", {\n
enumerable: true,\n get: function () {\n return _isScope.default;\n }\n});\nObject.defineProperty(exports,

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"isSpecifierDefault", {\n enumerable: true,\n get: function () {\n return _isSpecifierDefault.default;\n
}}\n});\nObject.defineProperty(exports, "isType", {\n enumerable: true,\n get: function () {\n return
_isType.default;\n }}\n});\nObject.defineProperty(exports, "isValidES3Identifier", {\n enumerable: true,\n get:
function () {\n return _isValidES3Identifier.default;\n }}\n});\nObject.defineProperty(exports, "isValidIdentifier",
{\n enumerable: true,\n get: function () {\n return _isValidIdentifier.default;\n
}}\n});\nObject.defineProperty(exports, "isVar", {\n enumerable: true,\n get: function () {\n return
_isVar.default;\n }}\n});\nObject.defineProperty(exports, "matchesPattern", {\n enumerable: true,\n get: function
() {\n return _matchesPattern.default;\n }}\n});\nObject.defineProperty(exports, "validate", {\n enumerable:
true,\n get: function () {\n return _validate.default;\n }}\n});\nObject.defineProperty(exports,
"buildMatchMemberExpression", {\n enumerable: true,\n get: function () {\n return
_buildMatchMemberExpression.default;\n }}\n});\nexports.react = void 0;\n\nvar _isReactComponent =
require("./validators/react/isReactComponent");\n\nvar _isCompatTag =
require("./validators/react/isCompatTag");\n\nvar _buildChildren =
require("./builders/react/buildChildren");\n\nvar _assertNode = require("./asserts/assertNode");\n\nvar _generated
= require("./asserts/generated");\n\nObject.keys(_generated).forEach(function (key) {\n if (key === "default" ||
key === "__esModule") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key
in exports && exports[key] === _generated[key]) return;\n Object.defineProperty(exports, key, {\n enumerable:
true,\n get: function () {\n return _generated[key];\n }}\n});\n\nvar
_createTypeAnnotationBasedOnTypeof = require("./builders/flow/createTypeAnnotationBasedOnTypeof");\n\nvar
_createFlowUnionType = require("./builders/flow/createFlowUnionType");\n\nvar _createTSUnionType =
require("./builders/typescript/createTSUnionType");\n\nvar _generated2 =
require("./builders/generated");\n\nObject.keys(_generated2).forEach(function (key) {\n if (key === "default" ||
key === "__esModule") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key
in exports && exports[key] === _generated2[key]) return;\n Object.defineProperty(exports, key, {\n enumerable:
true,\n get: function () {\n return _generated2[key];\n }}\n});\n\nvar _uppercase =
require("./builders/generated/uppercase");\n\nObject.keys(_uppercase).forEach(function (key) {\n if (key ===
"default" || key === "__esModule") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key))
return;\n if (key in exports && exports[key] === _uppercase[key]) return;\n Object.defineProperty(exports, key,
{\n enumerable: true,\n get: function () {\n return _uppercase[key];\n }}\n});\n\nvar _cloneNode =
require("./clone/cloneNode");\n\nvar _clone = require("./clone/clone");\n\nvar _cloneDeep =
require("./clone/cloneDeep");\n\nvar _cloneDeepWithoutLoc = require("./clone/cloneDeepWithoutLoc");\n\nvar
_cloneWithoutLoc = require("./clone/cloneWithoutLoc");\n\nvar _addComment =
require("./comments/addComment");\n\nvar _addComments = require("./comments/addComments");\n\nvar
_inheritInnerComments = require("./comments/inheritInnerComments");\n\nvar _inheritLeadingComments =
require("./comments/inheritLeadingComments");\n\nvar _inheritsComments =
require("./comments/inheritsComments");\n\nvar _inheritTrailingComments =
require("./comments/inheritTrailingComments");\n\nvar _removeComments =
require("./comments/removeComments");\n\nvar _generated3 =
require("./constants/generated");\n\nObject.keys(_generated3).forEach(function (key) {\n if (key === "default" ||
key === "__esModule") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key
in exports && exports[key] === _generated3[key]) return;\n Object.defineProperty(exports, key, {\n enumerable:
true,\n get: function () {\n return _generated3[key];\n }}\n});\n\nvar _constants =
require("./constants");\n\nObject.keys(_constants).forEach(function (key) {\n if (key === "default" || key ===
__esModule") return;\n if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;\n if (key in
exports && exports[key] === _constants[key]) return;\n Object.defineProperty(exports, key, {\n enumerable:
true,\n get: function () {\n return _constants[key];\n }}\n});\n\nvar _ensureBlock =
require("./converters/ensureBlock");\n\nvar _toBindingIdentifierName =
require("./converters/toBindingIdentifierName");\n\nvar _toBlock = require("./converters/toBlock");\n\nvar

```

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_toComputedKey = require("./converters/toComputedKey");
var _toExpression =
require("./converters/toExpression");
var _toIdentifier = require("./converters/toIdentifier");
var
_toKeyAlias = require("./converters/toKeyAlias");
var _toSequenceExpression =
require("./converters/toSequenceExpression");
var _toStatement = require("./converters/toStatement");
var
_valueToNode = require("./converters/valueToNode");
var _definitions =
require("./definitions");
Object.keys(_definitions).forEach(function (key) {
  if (key === "default" || key ===
  "__esModule") return;
  if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;
  if (key in
  exports && exports[key] === _definitions[key]) return;
  Object.defineProperty(exports, key, {
    enumerable:
    true,
    get: function () {
      return _definitions[key];
    }
  });
});
var _appendToMemberExpression =
require("./modifications/appendToMemberExpression");
var _inherits =
require("./modifications/inherits");
var _prependToMemberExpression =
require("./modifications/prependToMemberExpression");
var _removeProperties =
require("./modifications/removeProperties");
var _removePropertiesDeep =
require("./modifications/removePropertiesDeep");
var _removeTypeDuplicates =
require("./modifications/flow/removeTypeDuplicates");
var _getBindingIdentifiers =
require("./retrievers/getBindingIdentifiers");
var _getOuterBindingIdentifiers =
require("./retrievers/getOuterBindingIdentifiers");
var _traverse =
require("./traverse/traverse");
Object.keys(_traverse).forEach(function (key) {
  if (key === "default" || key
  === "__esModule") return;
  if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;
  if (key in
  exports && exports[key] === _traverse[key]) return;
  Object.defineProperty(exports, key, {
    enumerable:
    true,
    get: function () {
      return _traverse[key];
    }
  });
});
var _traverseFast =
require("./traverse/traverseFast");
var _shallowEqual = require("./utils/shallowEqual");
var _is =
require("./validators/is");
var _isBinding = require("./validators/isBinding");
var _isBlockScoped =
require("./validators/isBlockScoped");
var _isImmutable = require("./validators/isImmutable");
var _isLet =
require("./validators/isLet");
var _isNode = require("./validators/isNode");
var _isNodesEquivalent =
require("./validators/isNodesEquivalent");
var _isPlaceholderType =
require("./validators/isPlaceholderType");
var _isReferenced = require("./validators/isReferenced");
var _isScope = require("./validators/isScope");
var _isSpecifierDefault =
require("./validators/isSpecifierDefault");
var _isType = require("./validators/isType");
var _isValidES3Identifier =
require("./validators/isValidES3Identifier");
var _isValidIdentifier =
require("./validators/isValidIdentifier");
var _isVar = require("./validators/isVar");
var _matchesPattern =
require("./validators/matchesPattern");
var _validate = require("./validators/validate");
var _buildMatchMemberExpression =
require("./validators/buildMatchMemberExpression");
var _generated4 =
require("./validators/generated");
Object.keys(_generated4).forEach(function (key) {
  if (key === "default" ||
  key === "__esModule") return;
  if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;
  if (key in
  exports && exports[key] === _generated4[key]) return;
  Object.defineProperty(exports, key, {
    enumerable:
    true,
    get: function () {
      return _generated4[key];
    }
  });
});
var _generated5 = require("./ast-
types/generated");
Object.keys(_generated5).forEach(function (key) {
  if (key === "default" || key ===
  "__esModule") return;
  if (Object.prototype.hasOwnProperty.call(_exportNames, key)) return;
  if (key in
  exports && exports[key] === _generated5[key]) return;
  Object.defineProperty(exports, key, {
    enumerable:
    true,
    get: function () {
      return _generated5[key];
    }
  });
});
const react = {
  isReactComponent:
  _isReactComponent.default,
  isCompatTag: _isCompatTag.default,
  buildChildren:
  _buildChildren.default
};
exports.react = react;

```

/* *- Mode: js; js-indent-level: 2; *- */
 * Copyright 2011
 Mozilla Foundation and contributors
 * Licensed under the New BSD license. See LICENSE or:
 *
 * <http://opensource.org/licenses/BSD-3-Clause>
 *
 * This is a helper function for getting values from
 parameter/options
 * objects.
 *
 * @param args The object we are extracting values from
 *
 * @param name The
 name of the property we are getting.
 *
 * @param defaultValue An optional value to return if the property is
 missing
 *
 * from the object. If this is not specified and the property is missing, an
 * error will be thrown.

```

*\nfunction getArg(aArgs, aName, aDefaultValue) {\n  if (aName in aArgs) {\n    return aArgs[aName];\n  } else if
(arguments.length === 3) {\n    return aDefaultValue;\n  } else {\n    throw new Error("'" + aName + "' is a required
argument.");\n  }\n}\nexports.getArg = getArg;\n\nvar urlRegexp = /^(?:(\w+|\-|\+):)?\|\/\|\/(?:(\w+:\w+)?(\w+.\-
]*)?(?:(\d+))?(.*)$/;\nvar dataUrlRegexp = /^data:.+,\|,+\$/;\n\nfunction urlParse(aUrl) {\n  var match =
aUrl.match(urlRegexp);\n  if (!match) {\n    return null;\n  }\n  return {\n    scheme: match[1],\n    auth: match[2],\n
host: match[3],\n    port: match[4],\n    path: match[5]\n  };\n}\n\nexports.urlParse = urlParse;\n\nfunction
urlGenerate(aParsedUrl) {\n  var url = ";\n  if (aParsedUrl.scheme) {\n    url += aParsedUrl.scheme + ';\n  }\n  url
+= '\/';\n  if (aParsedUrl.auth) {\n    url += aParsedUrl.auth + '@';\n  }\n  if (aParsedUrl.host) {\n    url +=
aParsedUrl.host;\n  }\n  if (aParsedUrl.port) {\n    url += ':' + aParsedUrl.port;\n  }\n  if (aParsedUrl.path) {\n
url += aParsedUrl.path;\n  }\n  return url;\n}\n\nexports.urlGenerate = urlGenerate;\n\nvar MAX_CACHED_INPUTS =
32;\n\n/**\n * Takes some function `f(input) -> result` and returns a memoized version of `f`.\n * We keep at
most `MAX_CACHED_INPUTS` memoized results of `f` alive. The\n * memoization is a dumb-simple, linear
least-recently-used cache.\n */\nfunction lruMemoize(f) {\n  var cache = [];\n\n  return function(input) {\n    for (var
i = 0; i < cache.length; i++) {\n      if (cache[i].input === input) {\n        var temp = cache[i];\n        cache[i] =
temp;\n        return cache[i].result;\n      }\n    }\n\n    var result = f(input);\n\n    cache.unshift({\n      input,\n
      result,\n    });\n\n    if (cache.length > MAX_CACHED_INPUTS) {\n      cache.pop();\n    }\n\n    return
result;\n  };\n}\n\n/**\n * Normalizes a path, or the path portion of a URL.\n * - Replaces consecutive slashes with
one slash.\n * - Removes unnecessary '.' parts.\n * - Removes unnecessary '<dir>..' parts.\n * - Based on code in the Node.js 'path' core module.\n * @param aPath The path or url to
normalize.\n */\nvar normalize = lruMemoize(function normalize(aPath) {\n  var path = aPath;\n  var url =
urlParse(aPath);\n  if (url) {\n    if (!url.path) {\n      return aPath;\n    }\n    path = url.path;\n  }\n  var isAbsolute =
exports.isAbsolute(path);\n  // Split the path into parts between `^` characters. This is much faster than\n // using
`.split(/\|\/+g)`.\n  var parts = [];\n  var start = 0;\n  var i = 0;\n  while (true) {\n    start = i;\n    i = path.indexOf("\|\/",
start);\n    if (i === -1) {\n      parts.push(path.slice(start));\n      break;\n    } else {\n      parts.push(path.slice(start,
i));\n      while (i < path.length && path[i] === "\|\/") {\n        i++;\n      }\n    }\n\n    for (var part, up = 0, i =
parts.length - 1; i >= 0; i--) {\n      part = parts[i];\n      if (part === '.') {\n        parts.splice(i, 1);\n      } else if (part ===
'..') {\n        up++;\n      } else if (up > 0) {\n        if (part === "\|\/") {\n          // The first part is blank if the path is absolute.
Trying to go\n          // above the root is a no-op. Therefore we can remove all '.' parts\n          // directly after the
root.\n          parts.splice(i + 1, up);\n          up = 0;\n        } else {\n          parts.splice(i, 2);\n          up--;\n        }\n      }\n    }\n\n    path = parts.join("\|\/");\n\n    if (path === "\|\/") {\n      path = isAbsolute ? '\|\/.' : '\|\/';\n    }\n\n    if (url) {\n      url.path = path;\n      return urlGenerate(url);\n    }\n\n    return path;\n  });\n\nexports.normalize = normalize;\n\n/**\n * Joins two paths/URLs.\n * @param aRoot The root path or URL.\n * @param aPath The path or URL to be joined with the root.\n * - If aPath is a URL or a data URI, aPath is returned, unless aPath is a\n * scheme-relative URL: Then the scheme of
aRoot, if any, is prepended\n * first.\n * - Otherwise aPath is a path. If aRoot is a URL, then its path portion\n * is
updated with the result and aRoot is returned. Otherwise the result\n * is returned.\n * - If aPath is absolute, the
result is aPath.\n * - Otherwise the two paths are joined with a slash.\n * - Joining for example 'http:\/' and
'www.example.com' is also supported.\n */\nfunction join(aRoot, aPath) {\n  if (aRoot === "\|\/") {\n    aRoot =
'\|\/.';\n  }\n  if (aPath === "\|\/") {\n    aPath = '\|\/.';\n  }\n  var aPathUrl = urlParse(aPath);\n  var aRootUrl =
urlParse(aRoot);\n  if (aRootUrl) {\n    aRoot = aRootUrl.path \|\/';\n  }\n\n  // `join(foo, \|\/www.example.org)`\n  if
(aPathUrl && !aPathUrl.scheme) {\n    if (aRootUrl) {\n      aPathUrl.scheme = aRootUrl.scheme;\n    }\n\n    return
urlGenerate(aPathUrl);\n  }\n\n  if (aPathUrl \|\/ aPath.match(dataUrlRegexp)) {\n    return aPath;\n  }\n\n  //
`join('http:\/', 'www.example.com')`\n  if (aRootUrl && !aRootUrl.host && !aRootUrl.path) {\n    aRootUrl.host =
aPath;\n    return urlGenerate(aRootUrl);\n  }\n\n  var joined = aPath.charAt(0) === '\|\/' ? aPath\n    :
normalize(aRoot.replace(/\|\/+$/, "\|\/") + '\|\/' + aPath);\n\n  if (aRootUrl) {\n    aRootUrl.path = joined;\n    return
urlGenerate(aRootUrl);\n  }\n\n  return joined;\n}\n\nexports.join = join;\n\nexports.isAbsolute = function (aPath) {\n
return aPath.charAt(0) === '\|\/' \|\/ urlRegexp.test(aPath);\n};\n\n/**\n * Make a path relative to a URL or another
path.\n * @param aRoot The root path or URL.\n * @param aPath The path or URL to be made relative to
aRoot.\n */\nfunction relative(aRoot, aPath) {\n  if (aRoot === "\|\/") {\n    aRoot = '\|\/.';\n  }\n\n  aRoot =

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aRoot.replace(/\\$/, "");\n\n // It is possible for the path to be above the root. In this case, simply\n // checking whether the root is a prefix of the path won't work. Instead, we\n // need to remove components from the root one by one, until either we find\n // a prefix that fits, or we run out of components to remove.\n var level = 0;\n while (aPath.indexOf(aRoot + '/') !== 0) {\n var index = aRoot.lastIndexOf("\\^");\n if (index < 0) {\n return aPath;\n }\n\n // If the only part of the root that is left is the scheme (i.e. http://,\n // file:///, etc.), one or more slashes (/), or simply nothing at all, we\n // have exhausted all components, so the path is not relative to the root.\n aRoot = aRoot.slice(0, index);\n if (aRoot.match(/^(\\^\\|\\+|:\\|\\)?\\|\\*$/)) {\n return aPath;\n }\n\n ++level;\n }\n\n // Make sure we add a "..^" for each component we removed from the root.\n return Array(level + 1).join("\\..^") + aPath.substr(aRoot.length + 1);\n}\n\nexports.relative = relative;\n\nvar supportsNullProto = (function () {\n var obj = Object.create(null);\n return !('__proto__' in obj);\n})();\n\nfunction identity (s) {\n return s;\n}\n\n/**\n * Because behavior goes wacky when you set `__proto__` on objects, we\n * have to prefix all the strings in our set with an arbitrary character.\n *\n * See https://github.com/mozilla/source-map/pull/31 and\n * https://github.com/mozilla/source-map/issues/30\n *\n * @param String aStr\n *\nfunction toSetString(aStr) {\n if (isProtoString(aStr)) {\n return '$' + aStr;\n }\n\n return aStr;\n}\n\nexports.toSetString = supportsNullProto ?\n identity : toSetString;\n\nfunction fromSetString(aStr) {\n if (isProtoString(aStr)) {\n return aStr.slice(1);\n }\n\n return aStr;\n}\n\nexports.fromSetString = supportsNullProto ?\n identity : fromSetString;\n\nfunction isProtoString(s) {\n if (!s) {\n return false;\n }\n\n var length = s.length;\n\n if (length < 9 /* "__proto__".length */) {\n return false;\n }\n\n if (s.charCodeAt(length - 1) !== 95 /* '_' */ ||\n s.charCodeAt(length - 2) !== 95 /* '_' */ ||\n s.charCodeAt(length - 3) !== 111 /* 'o' */ ||\n s.charCodeAt(length - 4) !== 116 /* 't' */ ||\n s.charCodeAt(length - 5) !== 111 /* 'o' */ ||\n s.charCodeAt(length - 6) !== 114 /* 'r' */ ||\n s.charCodeAt(length - 7) !== 112 /* 'p' */ ||\n s.charCodeAt(length - 8) !== 95 /* '_' */ ||\n s.charCodeAt(length - 9) !== 95 /* '_' */) {\n return false;\n }\n\n for (var i = length - 10; i >= 0; i--) {\n if (s.charCodeAt(i) !== 36 /* '$' */) {\n return false;\n }\n }\n\n return true;\n}\n\n/**\n * Comparator between two mappings where the original positions are compared.\n *\n * Optionally pass in `true` as `onlyCompareGenerated` to consider two\n * mappings with the same original source/line/column, but different\n * generated\n * line and column the same. Useful when searching for a mapping with a\n * stubbed out mapping.\n *\nfunction compareByOriginalPositions(mappingA, mappingB, onlyCompareOriginal) {\n var cmp =\n strcmp(mappingA.source, mappingB.source);\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp =\n mappingA.originalLine - mappingB.originalLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp =\n mappingA.originalColumn - mappingB.originalColumn;\n if (cmp !== 0 || onlyCompareOriginal) {\n return cmp;\n }\n\n cmp =\n mappingA.generatedColumn - mappingB.generatedColumn;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp =\n mappingA.generatedLine - mappingB.generatedLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n return strcmp(mappingA.name, mappingB.name);\n}\n\nexports.compareByOriginalPositions =\n compareByOriginalPositions;\n\nfunction compareByOriginalPositionsNoSource(mappingA, mappingB,\n onlyCompareOriginal) {\n var cmp\n\n cmp = mappingA.originalLine - mappingB.originalLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp = mappingA.originalColumn - mappingB.originalColumn;\n if (cmp !== 0 ||\n onlyCompareOriginal) {\n return cmp;\n }\n\n cmp = mappingA.generatedColumn -\n mappingB.generatedColumn;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp = mappingA.generatedLine -\n mappingB.generatedLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n return strcmp(mappingA.name,\n mappingB.name);\n}\n\nexports.compareByOriginalPositionsNoSource =\n compareByOriginalPositionsNoSource;\n\n/**\n * Comparator between two mappings with deflated source and\n * name indices where\n * the generated positions are compared.\n *\n * Optionally pass in `true` as `onlyCompareGenerated` to consider two\n * mappings with the same generated line and column, but different\n * source/name/original line and column the same. Useful when searching for a\n * mapping with a stubbed out\n * mapping.\n *\nfunction compareByGeneratedPositionsDeflated(mappingA, mappingB, onlyCompareGenerated) {\n var cmp = mappingA.generatedLine - mappingB.generatedLine;\n if (cmp !== 0) {\n return cmp;\n }\n\n cmp = mappingA.generatedColumn - mappingB.generatedColumn;\n if (cmp !== 0 || onlyCompareGenerated) {\n return cmp;\n }\n\n cmp = strcmp(mappingA.source, mappingB.source);\n if (cmp !== 0) {\n return cmp;\n }

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}\n\n cmp = mappingA.originalLine - mappingB.originalLine;\n if (cmp !== 0) {\n  return cmp;\n }\n\n cmp =
mappingA.originalColumn - mappingB.originalColumn;\n if (cmp !== 0) {\n  return cmp;\n }\n\n return
strcmp(mappingA.name, mappingB.name);\n}\n\nexports.compareByGeneratedPositionsDeflated =
compareByGeneratedPositionsDeflated;\n\nfunction compareByGeneratedPositionsDeflatedNoLine(mappingA,
mappingB, onlyCompareGenerated) {\n  var cmp = mappingA.generatedColumn - mappingB.generatedColumn;\n
if (cmp !== 0 || onlyCompareGenerated) {\n  return cmp;\n }\n\n cmp = strcmp(mappingA.source,
mappingB.source);\n if (cmp !== 0) {\n  return cmp;\n }\n\n cmp = mappingA.originalLine -
mappingB.originalLine;\n if (cmp !== 0) {\n  return cmp;\n }\n\n cmp = mappingA.originalColumn -
mappingB.originalColumn;\n if (cmp !== 0) {\n  return cmp;\n }\n\n return strcmp(mappingA.name,
mappingB.name);\n}\n\nexports.compareByGeneratedPositionsDeflatedNoLine =
compareByGeneratedPositionsDeflatedNoLine;\n\nfunction strcmp(aStr1, aStr2) {\n  if (aStr1 === aStr2) {\n
return 0;\n }\n\n if (aStr1 === null) {\n  return 1; // aStr2 !== null\n }\n\n if (aStr2 === null) {\n  return -1; //
aStr1 !== null\n }\n\n if (aStr1 > aStr2) {\n  return 1;\n }\n\n return -1;\n}\n\n/**\n * Comparator between two
mappings with inflated source and name strings where\n * the generated positions are compared.\n */\nfunction
compareByGeneratedPositionsInflated(mappingA, mappingB) {\n  var cmp = mappingA.generatedLine -
mappingB.generatedLine;\n if (cmp !== 0) {\n  return cmp;\n }\n\n cmp = mappingA.generatedColumn -
mappingB.generatedColumn;\n if (cmp !== 0) {\n  return cmp;\n }\n\n cmp = strcmp(mappingA.source,
mappingB.source);\n if (cmp !== 0) {\n  return cmp;\n }\n\n cmp = mappingA.originalLine -
mappingB.originalLine;\n if (cmp !== 0) {\n  return cmp;\n }\n\n cmp = mappingA.originalColumn -
mappingB.originalColumn;\n if (cmp !== 0) {\n  return cmp;\n }\n\n return strcmp(mappingA.name,
mappingB.name);\n}\n\nexports.compareByGeneratedPositionsInflated =
compareByGeneratedPositionsInflated;\n\n/**\n * Strip any JSON XSSi avoidance prefix from the string (as
documented\n * in the source maps specification), and then parse the string as\n * JSON.\n */\nfunction
parseSourceMapInput(str) {\n  return JSON.parse(str.replace(/\\/\\/})['^\\n']*\\n/,
"));}\n\nexports.parseSourceMapInput = parseSourceMapInput;\n\n/**\n * Compute the URL of a source given the
the source root, the source's\n * URL, and the source map's URL.\n */\nfunction computeSourceURL(sourceRoot,
sourceURL, sourceMapURL) {\n  sourceURL = sourceURL || "";\n\n if (sourceRoot) {\n  // This follows what
Chrome does.\n  if (sourceRoot[sourceRoot.length - 1] !== '/' && sourceURL[0] !== '/') {\n    sourceRoot += '/';\n  }\n  // The spec says:\n  // Line 4: An optional source root, useful for relocating source\n  // files on a server
or removing repeated values in the\n  // "sources" entry. This value is prepended to the individual\n  // entries
in the "source" field.\n  sourceURL = sourceRoot + sourceURL;\n }\n\n // Historically, SourceMapConsumer did
not take the sourceMapURL as\n // a parameter. This mode is still somewhat supported, which is why\n // this
code block is conditional. However, it's preferable to pass\n // the source map URL to SourceMapConsumer, so
that this function\n // can implement the source URL resolution algorithm as outlined in\n // the spec. This block is
basically the equivalent of:\n // new URL(sourceURL, sourceMapURL).toString()\n // ... except it avoids using
URL, which wasn't available in the\n // older releases of node still supported by this library.\n //\n // The spec
says:\n // If the sources are not absolute URLs after prepending of the\n // "sourceRoot", the sources are resolved
relative to the\n // SourceMap (like resolving script src in a html document).\n  if (sourceMapURL) {\n    var
parsed = urlParse(sourceMapURL);\n    if (!parsed) {\n      throw new Error("sourceMapURL could not be
parsed");\n    }\n    if (parsed.path) {\n      // Strip the last path component, but keep the \"^\".\n      var index =
parsed.path.lastIndexOf('/');\n      if (index >= 0) {\n        parsed.path = parsed.path.substring(0, index + 1);\n      }\n    }\n    sourceURL = join(urlGenerate(parsed), sourceURL);\n  }\n\n return
normalize(sourceURL);\n}\n\nexports.computeSourceURL = computeSourceURL;\n\n/**\n * Checks if `value` is
the\n * [language type](http://www.ecma-international.org/ecma-262/7.0/#sec-ecmascript-language-types)\n * of
`Object`. (e.g. arrays, functions, objects, regexes, `new Number(0)`, and `new String("")`)\n */\n * @static\n *
@memberOf _\n * @since 0.1.0\n * @category Lang\n * @param {*} value The value to check.\n * @returns
{boolean} Returns `true` if `value` is an object, else `false`.\n * @example\n *\n * _isObject({});\n * // => true\n *\n * _isObject([1, 2, 3]);\n * // => true\n *\n * _isObject(_noop);\n * // => true\n *\n * _isObject(null);\n * // =>

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false\n *\nfunction isObject(value) {\n  var type = typeof value;\n  return value != null && (type === 'object' || type
=== 'function');\n}\n\nmodule.exports = isObject;\n","use strict";\n\nObject.defineProperty(exports,
'__esModule', {\n  value: true\n});\n\nexports.default = isValidIdentifier;\n\nvar _helperValidatorIdentifier =
require("@babel/helper-validator-identifier");\n\nfunction isValidIdentifier(name, reserved = true) {\n  if (typeof
name !== 'string') return false;\n\n  if (reserved) {\n    if ((0, _helperValidatorIdentifier.isKeyword)(name) || (0,
_helperValidatorIdentifier.isStrictReservedWord)(name)) {\n      return false;\n    } else if (name === "await") {\n
return false;\n    }\n  }\n\n  return (0, _helperValidatorIdentifier.isIdentifierName)(name);\n},"use
strict";\n\nObject.defineProperty(exports, '__esModule', {\n  value: true\n});\n\nexports.default =
isValidIdentifier;\n\nvar _helperValidatorIdentifier = require("@babel/helper-validator-identifier");\n\nfunction
isValidIdentifier(name, reserved = true) {\n  if (typeof name !== 'string') return false;\n\n  if (reserved) {\n    if
((0, _helperValidatorIdentifier.isKeyword)(name) || (0, _helperValidatorIdentifier.isStrictReservedWord)(name,
true)) {\n      return false;\n    }\n  }\n\n  return (0, _helperValidatorIdentifier.isIdentifierName)(name);\n},"/* -*-
Mode: js; js-indent-level: 2; -*- */\n\n * Copyright 2011 Mozilla Foundation and contributors\n * Licensed under
the New BSD license. See LICENSE or:\n * http://opensource.org/licenses/BSD-3-Clause\n *\n * This is a
helper function for getting values from parameter/options\n * objects.\n *\n * @param args The object we are
extracting values from\n *\n * @param name The name of the property we are getting.\n *\n * @param defaultValue An
optional value to return if the property is missing\n * from the object. If this is not specified and the property is
missing, an\n * error will be thrown.\n *\nfunction getArg(aArgs, aName, aDefaultValue) {\n  if (aName in aArgs)
{\n    return aArgs[aName];\n  } else if (arguments.length === 3) {\n    return aDefaultValue;\n  } else {\n    throw
new Error("'" + aName + "' is a required argument.");\n  }\n}\n\nexports.getArg = getArg;\n\nvar urlRegexp =
/^(?:(?:[\\w+|-]+):)?(?:\\/(?:[\\w+:\\w+]@)?(?:[\\w.]*)(?:[\\d+])?(\\S*)$);;\n\nvar dataUrlRegexp =
/^data:.+\\.+$/;\n\nfunction urlParse(aUrl) {\n  var match = aUrl.match(urlRegexp);\n  if (!match) {\n    return
null;\n  }\n  return {\n    scheme: match[1],\n    auth: match[2],\n    host: match[3],\n    port: match[4],\n    path:
match[5]\n  };\n}\n\nexports.urlParse = urlParse;\n\nfunction urlGenerate(aParsedUrl) {\n  var url = "";\n  if
(aParsedUrl.scheme) {\n    url += aParsedUrl.scheme + ':';\n  }\n  url += '/';\n  if (aParsedUrl.auth) {\n    url +=
aParsedUrl.auth + '@';\n  }\n  if (aParsedUrl.host) {\n    url += aParsedUrl.host;\n  }\n  if (aParsedUrl.port) {\n    url
+= ':' + aParsedUrl.port;\n  }\n  if (aParsedUrl.path) {\n    url += aParsedUrl.path;\n  }\n  return
url;\n}\n\nexports.urlGenerate = urlGenerate;\n\n/**\n * Normalizes a path, or the path portion of a URL:\n *\n * -
Replaces consecutive slashes with one slash.\n *\n * - Removes unnecessary '.' parts.\n *\n * - Removes unnecessary
'<dir>..' parts.\n *\n * Based on code in the Node.js 'path' core module.\n *\n * @param aPath The path or url to
normalize.\n *\nfunction normalize(aPath) {\n  var path = aPath;\n  var url = urlParse(aPath);\n  if (url) {\n    if
(!url.path) {\n      return aPath;\n    }\n    path = url.path;\n  }\n  var isAbsolute = exports.isAbsolute(path);\n\n  var
parts = path.split(/\\|+\/);;\n  for (var part, up = 0, i = parts.length - 1; i >= 0; i--) {\n    part = parts[i];\n    if (part ===
'.') {\n      parts.splice(i, 1);\n    } else if (part === '..') {\n      up++;\n    } else if (up > 0) {\n      if (part ===
"") {\n        // The first part is blank if the path is absolute. Trying to go\n        // above the root is a no-op. Therefore we can
remove all '..' parts\n        // directly after the root.\n        parts.splice(i + 1, up);\n        up = 0;\n      } else {\n
parts.splice(i, 2);\n        up--;\n      }\n    }\n  }\n  path = parts.join('/');\n\n  if (path === "") {\n    path = isAbsolute ? '/'
: '.';\n  }\n\n  if (url) {\n    url.path = path;\n    return urlGenerate(url);\n  }\n  return path;\n}\n\nexports.normalize =
normalize;\n\n/**\n * Joins two paths/URLs.\n *\n * @param aRoot The root path or URL.\n *\n * @param aPath The
path or URL to be joined with the root.\n *\n * - If aPath is a URL or a data URI, aPath is returned, unless aPath is
a\n * scheme-relative URL: Then the scheme of aRoot, if any, is prepended\n * first.\n *\n * - Otherwise aPath is a
path. If aRoot is a URL, then its path portion\n * is updated with the result and aRoot is returned. Otherwise the
result\n * is returned.\n *\n * - If aPath is absolute, the result is aPath.\n *\n * - Otherwise the two paths are joined with
a slash.\n *\n * - Joining for example 'http://' and 'www.example.com' is also supported.\n *\nfunction join(aRoot,
aPath) {\n  if (aRoot === "") {\n    aRoot = ".";\n  }\n  if (aPath === "") {\n    aPath = ".";\n  }\n  var aPathUrl
= urlParse(aPath);\n  var aRootUrl = urlParse(aRoot);\n  if (aRootUrl) {\n    aRoot = aRootUrl.path || '';\n  }\n\n  //
`join(foo, '//www.example.org')`\n  if (aPathUrl && !aPathUrl.scheme) {\n    if (aRootUrl) {\n      aPathUrl.scheme
= aRootUrl.scheme;\n    }\n    return urlGenerate(aPathUrl);\n  }\n\n  if (aPathUrl || aPath.match(dataUrlRegexp))

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{\n  return aPath;\n }\n\n // `join('http://', 'www.example.com')`\n if (aRootUrl && !aRootUrl.host &&
!aRootUrl.path) {\n  aRootUrl.host = aPath;\n  return urlGenerate(aRootUrl);\n }\n\n var joined =
aPath.charAt(0) === '/'\n  ? aPath\n  : normalize(aRoot.replace(/\\/+$/, "") + '/' + aPath);\n\n if (aRootUrl) {\n
aRootUrl.path = joined;\n  return urlGenerate(aRootUrl);\n }\n return joined;\n}\n\nexports.join =
join;\n\nexports.isAbsolute = function (aPath) {\n  return aPath.charAt(0) === '/' ||
!!aPath.match(urlRegexp);\n};\n\n/**\n * Make a path relative to a URL or another path.\n *\n * @param aRoot The
root path or URL.\n *\n * @param aPath The path or URL to be made relative to aRoot.\n *\n * function relative(aRoot,
aPath) {\n  if (aRoot === '') {\n    aRoot = '.';\n  }\n\n  aRoot = aRoot.replace(/\\/+$/, '');\n\n  // It is possible for
the path to be above the root. In this case, simply\n  // checking whether the root is a prefix of the path won't work.
Instead, we\n  // need to remove components from the root one by one, until either we find\n  // a prefix that fits, or
we run out of components to remove.\n  var level = 0;\n  while (aPath.indexOf(aRoot + '/') !== 0) {\n    var index =
aRoot.lastIndexOf('\\');\n    if (index < 0) {\n      return aPath;\n    }\n\n    // If the only part of the root that is left is
the scheme (i.e. http://,\n    // file://, etc.), one or more slashes (/), or simply nothing at all, we\n    // have exhausted
all components, so the path is not relative to the root.\n    aRoot = aRoot.slice(0, index);\n    if
(aRoot.match(/^(\\|\\|+|\\|)?\\/*$/)) {\n      return aPath;\n    }\n\n    ++level;\n  }\n\n  // Make sure we add a '..^/' for
each component we removed from the root.\n  return Array(level + 1).join("../^") + aPath.substr(aRoot.length +
1);\n}\n\nexports.relative = relative;\n\nvar supportsNullProto = (function () {\n  var obj = Object.create(null);\n
return !('__proto__' in obj);\n})();\n\nfunction identity (s) {\n  return s;\n}\n\n/**\n * Because behavior goes wacky
when you set `__proto__` on objects, we\n * have to prefix all the strings in our set with an arbitrary character.\n *\n * See
https://github.com/mozilla/source-map/pull/31 and\n * https://github.com/mozilla/source-map/issues/30\n *\n * @param String aStr\n *\n * function toSetString(aStr) {\n  if (isProtoString(aStr)) {\n    return '$' + aStr;\n  }\n\n  return aStr;\n}\n\nexports.toSetString = supportsNullProto ? identity : toSetString;\n\nfunction fromSetString(aStr)
{\n  if (isProtoString(aStr)) {\n    return aStr.slice(1);\n  }\n\n  return aStr;\n}\n\nexports.fromSetString =
supportsNullProto ? identity : fromSetString;\n\nfunction isProtoString(s) {\n  if (!s) {\n    return false;\n  }\n\n  var
length = s.length;\n\n  if (length < 9 /* "__proto__".length */) {\n    return false;\n  }\n\n  if (s.charCodeAt(length -
1) !== 95 /* '_' */ ||\n    s.charCodeAt(length - 2) !== 95 /* '_' */ ||\n    s.charCodeAt(length - 3) !== 111 /* 'o' */ ||\n
s.charCodeAt(length - 4) !== 116 /* 't' */ ||\n    s.charCodeAt(length - 5) !== 111 /* 'o' */ ||\n
s.charCodeAt(length - 6) !== 114 /* 'r' */ ||\n    s.charCodeAt(length - 7) !== 112 /* 'p' */ ||\n
s.charCodeAt(length - 8) !== 95 /* '_' */ ||\n    s.charCodeAt(length - 9) !== 95 /* '_' */) {\n    return false;\n  }\n\n  for (var i = length - 10; i >= 0; i--) {\n    if (s.charCodeAt(i) !== 36 /* '$' */) {\n      return false;\n    }\n  }\n\n  return
true;\n}\n\n/**\n * Comparator between two mappings where the original positions are compared.\n *\n * Optionally pass in `true` as `onlyCompareGenerated` to consider two\n * mappings with the same original
source/line/column, but different generated\n * line and column the same. Useful when searching for a mapping
with a\n * stubbed out mapping.\n *\n * function compareByOriginalPositions(mappingA, mappingB,
onlyCompareOriginal) {\n  var cmp = mappingA.source - mappingB.source;\n  if (cmp !== 0) {\n    return cmp;\n  }\n\n  cmp = mappingA.originalLine - mappingB.originalLine;\n  if (cmp !== 0) {\n    return cmp;\n  }\n\n  cmp =
mappingA.originalColumn - mappingB.originalColumn;\n  if (cmp !== 0 || onlyCompareOriginal) {\n    return
cmp;\n  }\n\n  cmp = mappingA.generatedColumn - mappingB.generatedColumn;\n  if (cmp !== 0) {\n    return
cmp;\n  }\n\n  cmp = mappingA.generatedLine - mappingB.generatedLine;\n  if (cmp !== 0) {\n    return cmp;\n  }\n\n  return mappingA.name - mappingB.name;\n}\n\nexports.compareByOriginalPositions =
compareByOriginalPositions;\n\n/**\n * Comparator between two mappings with deflated source and name indices
where\n * the generated positions are compared.\n *\n * Optionally pass in `true` as `onlyCompareGenerated` to
consider two\n * mappings with the same generated line and column, but different\n * source/name/original line and
column the same. Useful when searching for a\n * mapping with a stubbed out mapping.\n *\n * function
compareByGeneratedPositionsDeflated(mappingA, mappingB, onlyCompareGenerated) {\n  var cmp =
mappingA.generatedLine - mappingB.generatedLine;\n  if (cmp !== 0) {\n    return cmp;\n  }\n\n  cmp =
mappingA.generatedColumn - mappingB.generatedColumn;\n  if (cmp !== 0 || onlyCompareGenerated) {\n    return
cmp;\n  }\n\n  cmp = mappingA.source - mappingB.source;\n  if (cmp !== 0) {\n    return cmp;\n  }\n\n  cmp =

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mappingA.originalLine - mappingB.originalLine;\n if (cmp !== 0) {\n   return cmp;\n }\n\n cmp =
mappingA.originalColumn - mappingB.originalColumn;\n if (cmp !== 0) {\n   return cmp;\n }\n\n return
mappingA.name - mappingB.name;\n}\n\nexports.compareByGeneratedPositionsDeflated =
compareByGeneratedPositionsDeflated;\n\nfunction strcmp(aStr1, aStr2) {\n  if (aStr1 === aStr2) {\n    return 0;\n  }\n  if (aStr1 > aStr2) {\n    return 1;\n  }\n  return -1;\n}\n\n/**\n * Comparator between two mappings with
inflated source and name strings where\n * the generated positions are compared.\n */\nfunction
compareByGeneratedPositionsInflated(mappingA, mappingB) {\n  var cmp = mappingA.generatedLine -
mappingB.generatedLine;\n  if (cmp !== 0) {\n    return cmp;\n  }\n  cmp = mappingA.generatedColumn -
mappingB.generatedColumn;\n  if (cmp !== 0) {\n    return cmp;\n  }\n  cmp = strcmp(mappingA.source,
mappingB.source);\n  if (cmp !== 0) {\n    return cmp;\n  }\n  cmp = mappingA.originalLine -
mappingB.originalLine;\n  if (cmp !== 0) {\n    return cmp;\n  }\n  cmp = mappingA.originalColumn -
mappingB.originalColumn;\n  if (cmp !== 0) {\n    return cmp;\n  }\n  return strcmp(mappingA.name,
mappingB.name);\n}\n\nexports.compareByGeneratedPositionsInflated =
compareByGeneratedPositionsInflated;\n", "var listCacheClear = require('./_listCacheClear'),\n  listCacheDelete =
require('./_listCacheDelete'),\n  listCacheGet = require('./_listCacheGet'),\n  listCacheHas =
require('./_listCacheHas'),\n  listCacheSet = require('./_listCacheSet');\n\n/**\n * Creates an list cache object.\n *\n * @private\n * @constructor\n * @param {Array} [entries] The key-value pairs to cache.\n */\nfunction
ListCache(entries) {\n  var index = -1,\n      length = entries == null ? 0 : entries.length;\n  while
(++index < length) {\n    var entry = entries[index];\n    this.set(entry[0], entry[1]);\n  }\n}\n\n// Add methods to
`ListCache`.\nListCache.prototype.clear = listCacheClear;\nListCache.prototype['delete'] =
listCacheDelete;\nListCache.prototype.get = listCacheGet;\nListCache.prototype.has =
listCacheHas;\nListCache.prototype.set = listCacheSet;\n\nmodule.exports = ListCache;\n", "var eq =
require('./eq');\n\n/**\n * Gets the index at which the `key` is found in `array` of key-value pairs.\n *\n * @private\n * @param {Array} array The array to inspect.\n * @param {*} key The key to search for.\n * @returns {number}
Returns the index of the matched value, else `-1`.\n */\nfunction assocIndexOf(array, key) {\n  var length =
array.length;\n  while (length--) {\n    if (eq(array[length][0], key)) {\n      return length;\n    }\n  }\n  return -
1;\n}\n\nmodule.exports = assocIndexOf;\n", "var getNative = require('./_getNative');\n\n/**\n * Built-in method
references that are verified to be native. *\n */\nvar nativeCreate = getNative(Object, 'create');\n\nmodule.exports =
nativeCreate;\n", "var isKeyable = require('./_isKeyable');\n\n/**\n * Gets the data for `map`.\n *\n * @private\n * @param {Object} map The map to query.\n * @param {string} key The reference key.\n * @returns {*} Returns
the map data.\n */\nfunction getMapData(map, key) {\n  var data = map.__data__;\n  return isKeyable(key) ?
data[typeof key == 'string' ? 'string' : 'hash'] : data.map;\n}\n\nmodule.exports = getMapData;\n", "var
assignValue = require('./_assignValue'),\n  baseAssignValue = require('./_baseAssignValue');\n\n/**\n * Copies
properties of `source` to `object`.\n *\n * @private\n * @param {Object} source The object to copy properties
from.\n * @param {Array} props The property identifiers to copy.\n * @param {Object} [object={}] The object to
copy properties to.\n * @param {Function} [customizer] The function to customize copied values.\n * @returns
{Object} Returns `object`.\n */\nfunction copyObject(source, props, object, customizer) {\n  var isNew = !object;\n  object || (object = {});\n  var index = -1,\n      length = props.length;\n  while (++index < length) {\n    var key =
props[index];\n    var newValue = customizer\n      ? customizer(object[key], source[key], key, object, source)\n      :
undefined;\n    if (newValue === undefined) {\n      newValue = source[key];\n    }\n    if (isNew) {\n      baseAssignValue(object, key, newValue);\n    } else {\n      assignValue(object, key, newValue);\n    }\n  }\n  return
object;\n}\n\nmodule.exports = copyObject;\n", "module.exports = function(module) {\n\tif
(!module.webpackPolyfill) {\n\t\tmodule.deprecate = function() {};\n\t\tmodule.paths = [];\n\t\t// module.parent =
undefined by default\n\t\tif (!module.children) module.children = [];\n\t\tObject.defineProperty(module, \"loaded\",
{\n\t\t\tenumerable: true,\n\t\t\tget: function() {\n\t\t\t\treturn
module.i;\n\t\t\t}\n\t\t});\n\t\tObject.defineProperty(module, \"id\", {\n\t\t\tenumerable: true,\n\t\t\tget: function()
{\n\t\t\t\treturn module.i;\n\t\t\t}\n\t\t});\n\t\tmodule.webpackPolyfill = 1;\n\t}\n\treturn module;\n};\n", "*/\n * The
base implementation of `_unary` without support for storing metadata.\n *\n * @private\n * @param {Function}

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func The function to cap arguments for.\n * @returns {Function} Returns the new capped function.\n */\nfunction
baseUnary(func) {\n  return function(value) {\n    return func(value);\n  };}\n\nmodule.exports =
baseUnary;\n", "var freeGlobal = require('./_freeGlobal');\n\n/** Detect free variable `exports` */\nvar freeExports =
typeof exports === 'object' && exports && !exports.nodeType && exports;\n\n/** Detect free variable `module` */\nvar freeModule = freeExports && typeof module === 'object' && module && !module.nodeType &&
module;\n\n/** Detect the popular CommonJS extension `module.exports` */\nvar moduleExports = freeModule
&& freeModule.exports === freeExports;\n\n/** Detect free variable `process` from Node.js */\nvar freeProcess =
moduleExports && freeGlobal.process;\n\n/** Used to access faster Node.js helpers */\nvar nodeUtil = (function()
{\n  try {\n    // Use `util.types` for Node.js 10+.\n    var types = freeModule && freeModule.require &&
freeModule.require('util').types;\n\n    if (types) {\n      return types;\n    }\n\n    // Legacy `process.binding('util')` for
Node.js < 10.\n    return freeProcess && freeProcess.binding && freeProcess.binding('util');\n  } catch (e)
{\n  }\n})();\n\nmodule.exports = nodeUtil;\n", "\nuse strict";\n\nObject.defineProperty(exports, "__esModule", {\n
value: true\n});\n\nexports.default = is;\n\nvar _shallowEqual =
_interopRequireDefault(require("../utils/shallowEqual")); \n\nvar _isType =
_interopRequireDefault(require("../isType")); \n\nvar _isPlaceholderType =
_interopRequireDefault(require("../isPlaceholderType")); \n\nvar _definitions =
require("../definitions"); \n\nfunction _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : {
default: obj }; } \n\nfunction is(type, node, opts) {\n  if (!node) return false;\n  const matches = (0,
_isType.default)(node.type, type);\n\n  if (!matches) {\n    if (!opts && node.type === "Placeholder" && type in
_definitions.FLIPPED_ALIAS_KEYS) {\n      return (0, _isPlaceholderType.default)(node.expectedNode, type);\n
}\n\n    return false;\n  }\n\n  if (typeof opts === "undefined") {\n    return true;\n  } else {\n    return (0,
_shallowEqual.default)(node, opts);\n  }\n}, "\nuse strict";\n\nObject.defineProperty(exports, "__esModule", {\n
value: true\n});\n\nexports.default = getBindingIdentifiers;\n\nvar _generated =
require("../validators/generated"); \n\nfunction getBindingIdentifiers(node, duplicates, outerOnly) {\n  let search =
[].concat(node);\n  const ids = Object.create(null);\n\n  while (search.length) {\n    const id = search.shift();\n    if
(!id) continue;\n    const keys = getBindingIdentifiers.keys[id.type];\n\n    if ((0, _generated.isIdentifier)(id)) {\n
if (duplicates) {\n      const _ids = ids[id.name] = ids[id.name] || [];\n\n      _ids.push(id);\n    } else {\n
ids[id.name] = id;\n    }\n\n    continue;\n  }\n\n  if ((0, _generated.isExportDeclaration)(id)) {\n    if ((0,
_generated.isDeclaration)(id.declaration)) {\n      search.push(id.declaration);\n    }\n\n    continue;\n  }\n\n  if
(outerOnly) {\n    if ((0, _generated.isFunctionDeclaration)(id)) {\n      search.push(id.id);\n      continue;\n
}\n\n    if ((0, _generated.isFunctionExpression)(id)) {\n      continue;\n    }\n  }\n\n  if (keys) {\n    for (let i =
0; i < keys.length; i++) {\n      const key = keys[i];\n\n      if (id[key]) {\n        search = search.concat(id[key]);\n
}\n    }\n  }\n\n  return ids;\n}\n\ngetBindingIdentifiers.keys = {\n  DeclareClass: ["id"],\n
DeclareFunction: ["id"],\n  DeclareModule: ["id"],\n  DeclareVariable: ["id"],\n  DeclareInterface: ["id"],\n
DeclareTypeAlias: ["id"],\n  DeclareOpaqueType: ["id"],\n  InterfaceDeclaration: ["id"],\n  TypeAlias:
["id"],\n  OpaqueType: ["id"],\n  CatchClause: ["param"],\n  LabeledStatement: ["label"],\n  UnaryExpression:
["argument"],\n  AssignmentExpression: ["left"],\n  ImportSpecifier: ["local"],\n  ImportNamespaceSpecifier:
["local"],\n  ImportDefaultSpecifier: ["local"],\n  ImportDeclaration: ["specifiers"],\n  ExportSpecifier:
["exported"],\n  ExportNamespaceSpecifier: ["exported"],\n  ExportDefaultSpecifier: ["exported"],\n
FunctionDeclaration: ["id", "params"],\n  FunctionExpression: ["id", "params"],\n  ArrowFunctionExpression:
["params"],\n  ObjectMethod: ["params"],\n  ClassMethod: ["params"],\n  ForInStatement: ["left"],\n
ForOfStatement: ["left"],\n  ClassDeclaration: ["id"],\n  ClassExpression: ["id"],\n  RestElement:
["argument"],\n  UpdateExpression: ["argument"],\n  ObjectProperty: ["value"],\n  AssignmentPattern:
["left"],\n  ArrayPattern: ["elements"],\n  ObjectPattern: ["properties"],\n  VariableDeclaration:
["declarations"],\n  VariableDeclarator: ["id"]\n};\n\n"use strict";\n\nObject.defineProperty(exports,
"__esModule", {\n  value: true\n});\n\nexports.default = is;\n\nvar _shallowEqual =
require("../utils/shallowEqual"); \n\nvar _isType = require("../isType"); \n\nvar _isPlaceholderType =
require("../isPlaceholderType"); \n\nvar _definitions = require("../definitions"); \n\nfunction is(type, node, opts) {\n

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if (!node) return false;\n  const matches = (0, _isType.default)(node.type, type);\n\n  if (!matches) {\n    if (!opts &&\n    node.type === \"Placeholder\" && type in _definitions.FLIPPED_ALIAS_KEYS) {\n      return (0,\n      _isPlaceholderType.default)(node.expectedNode, type);\n    }\n\n    return false;\n  }\n\n  if (typeof opts ===\n  \"undefined\") {\n    return true;\n  } else {\n    return (0, _shallowEqual.default)(node, opts);\n  }\n}","use\nstrict";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.default =\n  getBindingIdentifiers;\n\n\nvar _generated = require(\"../validators/generated\");\n\n\nfunction\n  getBindingIdentifiers(node, duplicates, outerOnly) {\n    let search = [].concat(node);\n\n    const ids =\n      Object.create(null);\n\n\n    while (search.length) {\n      const id = search.shift();\n\n      if (!id) continue;\n\n      const keys =\n        getBindingIdentifiers.keys[id.type];\n\n\n      if ((0, _generated.isIdentifier)(id)) {\n        if (duplicates) {\n          const _ids\n          = ids[id.name] = ids[id.name] || [];\n\n          _ids.push(id);\n        } else {\n          ids[id.name] = id;\n        }\n\n        continue;\n      }\n\n      if ((0, _generated.isExportDeclaration)(id) && !(0, _generated.isExportAllDeclaration)(id))\n      {\n        if ((0, _generated.isDeclaration)(id.declaration)) {\n          search.push(id.declaration);\n        }\n\n        continue;\n      }\n\n      if (outerOnly) {\n        if ((0, _generated.isFunctionDeclaration)(id)) {\n          search.push(id.id);\n          continue;\n        }\n\n        if ((0, _generated.isFunctionExpression)(id)) {\n          continue;\n        }\n      }\n\n      if (keys) {\n        for (let i = 0; i < keys.length; i++) {\n          const key = keys[i];\n\n          if (id[key]) {\n            search = search.concat(id[key]);\n          }\n        }\n      }\n\n      return ids;\n    }\n\n  }\n\n  getBindingIdentifiers.keys = {\n    DeclareClass: [\"id\"],\n    DeclareFunction: [\"id\"],\n    DeclareModule: [\"id\"],\n    DeclareVariable: [\"id\"],\n    DeclareInterface: [\"id\"],\n    DeclareTypeAlias: [\"id\"],\n    DeclareOpaqueType: [\"id\"],\n    InterfaceDeclaration:\n    [\"id\"],\n    TypeAlias: [\"id\"],\n    OpaqueType: [\"id\"],\n    CatchClause: [\"param\"],\n    LabeledStatement:\n    [\"label\"],\n    UnaryExpression: [\"argument\"],\n    AssignmentExpression: [\"left\"],\n    ImportSpecifier:\n    [\"local\"],\n    ImportNamespaceSpecifier: [\"local\"],\n    ImportDefaultSpecifier: [\"local\"],\n    ImportDeclaration:\n    [\"specifiers\"],\n    ExportSpecifier: [\"exported\"],\n    ExportNamespaceSpecifier: [\"exported\"],\n    ExportDefaultSpecifier: [\"exported\"],\n    FunctionDeclaration: [\"id\", \"params\"],\n    FunctionExpression: [\"id\",\n    \"params\"],\n    ArrowFunctionExpression: [\"params\"],\n    ObjectMethod: [\"params\"],\n    ClassMethod:\n    [\"params\"],\n    ForInStatement: [\"left\"],\n    ForOfStatement: [\"left\"],\n    ClassDeclaration: [\"id\"],\n    ClassExpression: [\"id\"],\n    RestElement: [\"argument\"],\n    UpdateExpression: [\"argument\"],\n    ObjectProperty:\n    [\"value\"],\n    AssignmentPattern: [\"left\"],\n    ArrayPattern: [\"elements\"],\n    ObjectPattern: [\"properties\"],\n    VariableDeclaration: [\"declarations\"],\n    VariableDeclarator: [\"id\"]\n  };","use\nstrict";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.clear =\n  clear;\n\n\nexports.clearPath = clearPath;\n\n\nexports.clearScope = clearScope;\n\n\nexports.scope = exports.path = void\n  0;\n\n\nlet path = new WeakMap();\n\n\nexports.path = path;\n\n\nlet scope = new WeakMap();\n\n\nexports.scope =\n  scope;\n\n\nfunction clear() {\n  clearPath();\n  clearScope();\n}\n\n\nfunction clearPath() {\n  exports.path = path =\n  new WeakMap();\n}\n\n\nfunction clearScope() {\n  exports.scope = scope = new WeakMap();\n}","use\nstrict";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.default =\n  shallowEqual;\n\n\nfunction shallowEqual(actual, expected) {\n  const keys = Object.keys(expected);\n\n  for (const\n  key of keys) {\n    if (actual[key] !== expected[key]) {\n      return false;\n    }\n  }\n\n  return true;\n}","var\n  getNative = require(\"./_getNative\"),\n  root = require(\"./_root\");\n\n\n/* Built-in method references that are verified to\n  be native. */\n\nvar Map = getNative(root, 'Map');\n\n\nmodule.exports = Map;\n\n\nvar root = require(\"./_root\");\n\n\n/**\n  Built-in value references. */\n\nvar Symbol = root.Symbol;\n\n\nmodule.exports = Symbol;\n\n\nvar arrayLikeKeys =\n  require(\"./_arrayLikeKeys\"),\n  baseKeys = require(\"./_baseKeys\"),\n  isArrayLike =\n  require(\"./isArrayLike\");\n\n\n/**\n  * Creates an array of the own enumerable property names of `object`.\n  *\n  * **Note:** Non-object values are coerced to objects. See the\n  * [ES spec](http://ecma-international.org/ecma-262/7.0/#sec-object.keys)\n  * for more details.\n  *\n  * @static\n  * @since 0.1.0\n  * @memberOf _\n  * @category\n  * Object\n  * @param {Object} object The object to query.\n  * @returns {Array} Returns the array of property\n  * names.\n  * @example\n  *\n  * function Foo() {\n  *   this.a = 1;\n  *   this.b = 2;\n  * }\n  *\n  * Foo.prototype.c = 3;\n  *\n  * _keys(new Foo);\n  * // => ['a', 'b'] (iteration order is not guaranteed)\n  *\n  * _keys('hi');\n  * // => ['0', '1']\n  *\n  * _functionKeys(object);\n  * // return isArrayLike(object) ? arrayLikeKeys(object) :\n  * baseKeys(object);\n  *\n  * module.exports = keys;\n  *","/**\n  * Checks if `value` is classified as an `Array` object.\n  *\n  */

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*\n * @static\n * @memberOf _\n * @since 0.1.0\n * @category Lang\n * @param {*} value The value to check.\n
* @returns {boolean} Returns `true` if `value` is an array, else `false`.\n * @example\n *\n * _isArray([1, 2, 3]);\n
* // => true\n *\n * _isArray(document.body.children);\n * // => false\n *\n * _isArray('abc');\n * // => false\n *\n * _isArray(_.noop);\n * // => false\n
*\nvar isArray = Array.isArray;\n\nmodule.exports = isArray;\n",/** Used for built-in method references. *\nvar objectProto = Object.prototype;\n\n/**\n * Checks if `value` is likely a prototype object.\n
*\n * @private\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is a prototype, else `false`.\n
*\nfunction isPrototype(value) {\n  var Ctor = value && value.constructor,\n      proto = (typeof Ctor === 'function' && Ctor.prototype) || objectProto;\n  return value === proto;\n}\n\nmodule.exports = isPrototype;\n",\n"var arrayLikeKeys = require('./_arrayLikeKeys'),\n    baseKeysIn = require('./_baseKeysIn'),\n    isArrayLike = require('./isArrayLike');\n\n/**\n * Creates an array of the own and inherited enumerable property names of `object`.\n
*\n * **Note:** Non-object values are coerced to objects.\n *\n * @static\n * @memberOf _\n * @since 3.0.0\n * @category Object\n * @param {Object} object The object to query.\n
* @returns {Array} Returns the array of property names.\n * @example\n *\n * function Foo() {\n *   this.a = 1;\n *   this.b = 2;\n * }\n
*\n * Foo.prototype.c = 3;\n *\n * _keysIn(new Foo);\n * // => ['a', 'b', 'c'] (iteration order is not guaranteed)\n
*\nfunction keysIn(object) {\n  return isArrayLike(object) ? arrayLikeKeys(object, true) : baseKeysIn(object);\n}\n\nmodule.exports = keysIn;\n",\n"var arrayFilter = require('./_arrayFilter'),\n    stubArray = require('./stubArray');\n\n/** Used for built-in method references. *\nvar objectProto = Object.prototype;\n\n/** Built-in value references. *\nvar propertyIsEnumerable = objectProto.propertyIsEnumerable;\n\n/** Built-in method references for those with the same name as other `lodash` methods. *\nvar nativeGetSymbols = Object.getOwnPropertySymbols;\n\n/**\n * Creates an array of the own enumerable symbols of `object`.\n
*\n * @private\n * @param {Object} object The object to query.\n * @returns {Array} Returns the array of symbols.\n
*\nvar getSymbols = !nativeGetSymbols ? stubArray : function(object) {\n  if (object == null) {\n    return [];\n  }\n  object = Object(object);\n  return arrayFilter(nativeGetSymbols(object), function(symbol) {\n    return propertyIsEnumerable.call(object, symbol);\n  });\n};\n\nmodule.exports = getSymbols;\n",\n"var overArg = require('./_overArg');\n\n/** Built-in value references. *\nvar getPrototype = overArg(Object.getPrototypeOf, Object);\n\nmodule.exports = getPrototype;\n",\n"var DataView = require('./_DataView'),\n    Map = require('./_Map'),\n    Promise = require('./_Promise'),\n    Set = require('./_Set'),\n    WeakMap = require('./_WeakMap'),\n    baseGetTag = require('./_baseGetTag'),\n    toSource = require('./_toSource');\n\n/** *\n * `Object#toString` result references. *\nvar mapTag = '[object Map]',\n    objectTag = '[object Object]',\n    promiseTag = '[object Promise]',\n    setTag = '[object Set]',\n    weakMapTag = '[object WeakMap]';\n\nvar dataViewTag = '[object DataView]';\n\n/** Used to detect maps, sets, and weakmaps. *\nvar dataViewCtorString = toSource(DataView),\n    mapCtorString = toSource(Map),\n    promiseCtorString = toSource(Promise),\n    setCtorString = toSource(Set),\n    weakMapCtorString = toSource(WeakMap);\n\n/**\n * Gets the `toStringTag` of `value`.\n
*\n * @private\n * @param {*} value The value to query.\n * @returns {string} Returns the `toStringTag`.\n
*\nvar getTag = baseGetTag;\n\n// Fallback for data views, maps, sets, and weak maps in IE 11 and promises in Node.js < 6.\nif ((DataView && getTag(new DataView(new ArrayBuffer(1))) != dataViewTag) ||\n    (Map && getTag(new Map) != mapTag) ||\n    (Promise && getTag(Promise.resolve()) != promiseTag) ||\n    (Set && getTag(new Set) != setTag) ||\n    (WeakMap && getTag(new WeakMap) != weakMapTag)) {\n  getTag = function(value) {\n    var result = baseGetTag(value),\n        Ctor = result == objectTag ? value.constructor : undefined,\n        ctorString = Ctor ? toSource(Ctor) : '';\n\n    if (ctorString) {\n      switch (ctorString) {\n        case dataViewCtorString: return dataViewTag;\n        case mapCtorString: return mapTag;\n        case promiseCtorString: return promiseTag;\n        case setCtorString: return setTag;\n        case weakMapCtorString: return weakMapTag;\n      }\n    }\n\n    return result;\n  };\n}\n\nmodule.exports = getTag;\n",\n"var Uint8Array = require('./_Uint8Array');\n\n/**\n * Creates a clone of `arrayBuffer`.\n
*\n * @private\n * @param {ArrayBuffer} arrayBuffer The array buffer to clone.\n * @returns {ArrayBuffer} Returns the cloned array buffer.\n
*\nfunction cloneArrayBuffer(arrayBuffer) {\n  var result = new arrayBuffer.constructor(arrayBuffer.byteLength);\n  new Uint8Array(result).set(new Uint8Array(arrayBuffer));\n  return result;\n}\n\nmodule.exports = cloneArrayBuffer;\n",\n"\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value:

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true\n});\nexports.classMethodOrDeclareMethodCommon = exports.classMethodOrPropertyCommon =
exports.patternLikeCommon = exports.functionDeclarationCommon = exports.functionTypeAnnotationCommon =
exports.functionCommon = void 0;\n\nvar _is = _interopRequireDefault(require("../validators/is")); \n\nvar
_isValidIdentifier = _interopRequireDefault(require("../validators/isValidIdentifier")); \n\nvar
_helperValidatorIdentifier = require("@babel/helper-validator-identifier"); \n\nvar _constants =
require("../constants"); \n\nvar _utils = _interopRequireWildcard(require("../utils")); \n\nfunction
_getRequireWildcardCache() { if (typeof WeakMap !== "function") return null; var cache = new WeakMap();
_getRequireWildcardCache = function () { return cache; }; return cache; } \n\nfunction
_interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !==
"object" && typeof obj !== "function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if
(cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor =
Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; } \n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; } \n\n(0, _utils.default)("ArrayExpression", {\n fields: {\n elements: {\n
validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeOrValueType)("null", "Expression", "SpreadElement"))), \n default:
!process.env.BABEL_TYPES_8_BREAKING ? [] : undefined \n } \n }, \n visitor: ["elements"], \n aliases:
["Expression"] \n }); \n\n(0, _utils.default)("AssignmentExpression", {\n fields: {\n operator: {\n validate:
function () {\n if (!process.env.BABEL_TYPES_8_BREAKING) {\n return (0,
_utils.assertValueType)("string"); \n } \n \n const identifier = (0,
_utils.assertOneOf(..._constants.ASSIGNMENT_OPERATORS); \n const pattern = (0,
_utils.assertOneOf("=")); \n return function (node, key, val) {\n const validator = (0,
_is.default)("Pattern", node.left) ? pattern : identifier; \n validator(node, key, val); \n }; \n }() \n }, \n
left: {\n validate: !process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)("LVal") : (0,
_utils.assertNodeType)("Identifier", "MemberExpression", "ArrayPattern", "ObjectPattern") \n }, \n right:
{\n validate: (0, _utils.assertNodeType)("Expression") \n } \n }, \n builder: ["operator", "left", "right"], \n
visitor: ["left", "right"], \n aliases: ["Expression"] \n }); \n\n(0, _utils.default)("BinaryExpression", {\n builder:
["operator", "left", "right"], \n fields: {\n operator: {\n validate: (0,
_utils.assertOneOf(..._constants.BINARY_OPERATORS) \n }, \n left: {\n validate: function () {\n const
expression = (0, _utils.assertNodeType)("Expression"); \n const inOp = (0,
_utils.assertNodeType)("Expression", "PrivateName"); \n \n const validator = function (node, key, val) {\n
const validator = node.operator === "in" ? inOp : expression; \n validator(node, key, val); \n }; \n \n
validator.oneOfNodeTypes = ["Expression", "PrivateName"]; \n return validator; \n }() \n }, \n right: {\n
validate: (0, _utils.assertNodeType)("Expression") \n } \n }, \n visitor: ["left", "right"], \n aliases: ["Binary",
"Expression"] \n }); \n\n(0, _utils.default)("InterpreterDirective", {\n builder: ["value"], \n fields: {\n value: {\n
validate: (0, _utils.assertValueType)("string") \n } \n } \n }); \n\n(0, _utils.default)("Directive", {\n visitor:
["value"], \n fields: {\n value: {\n validate: (0, _utils.assertNodeType)("DirectiveLiteral") \n } \n } \n }); \n\n(0,
_utils.default)("DirectiveLiteral", {\n builder: ["value"], \n fields: {\n value: {\n validate: (0,
_utils.assertValueType)("string") \n } \n } \n }); \n\n(0, _utils.default)("BlockStatement", {\n builder: ["body",
"directives"], \n visitor: ["directives", "body"], \n fields: {\n directives: {\n validate: (0, _utils.chain)((0,
_utils.assertValueTypes)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Directive"))), \n default:
[] \n }, \n body: {\n validate: (0, _utils.chain)((0, _utils.assertValueTypes)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Statement"))), \n } \n }, \n aliases: ["Scopable", "BlockParent", "Block",
"Statement"] \n }); \n\n(0, _utils.default)("BreakStatement", {\n visitor: ["label"], \n fields: {\n label: {\n
validate: (0, _utils.assertNodeType)("Identifier"), \n optional: true \n } \n }, \n aliases: ["Statement",

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\Terminatorless\, \CompletionStatement\})\n});\n(0, _utils.default)(\CallExpression\, {\n visitor: [\callee\,
\arguments\, \typeParameters\, \typeArguments\],\n builder: [\callee\, \arguments\],\n aliases:
[\Expression\],\n fields: Object.assign({\n callee: {\n validate: (0, _utils.assertNodeType)(\Expression\,
\`V8IntrinsicIdentifier\`)\n },\n arguments: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)(\array\), (0, _utils.assertEach)((0, _utils.assertNodeType)(\Expression\,
\`SpreadElement\`, \JSXNamespacedName\`, \ArgumentPlaceholder\`))\n })\n },
!process.env.BABEL_TYPES_8_BREAKING ? {\n optional: {\n validate: (0, _utils.assertOneOf)(true,
false),\n optional: true\n }\n } : {}, {\n typeArguments: {\n validate: (0,
_utils.assertNodeType)(\TypeParameterInstantiation\),\n optional: true\n },\n typeParameters: {\n
validate: (0, _utils.assertNodeType)(\TSTypeParameterInstantiation\),\n optional: true\n }\n })\n});\n(0,
_utils.default)(\CatchClause\, {\n visitor: [\param\, \body\],\n fields: {\n param: {\n validate: (0,
_utils.assertNodeType)(\Identifier\, \ArrayPattern\, \ObjectPattern\),\n optional: true\n },\n body: {\n
validate: (0, _utils.assertNodeType)(\BlockStatement\)\n }\n },\n aliases: [\Scopable\,
\BlockParent\]}\n});\n(0, _utils.default)(\ConditionalExpression\, {\n visitor: [\test\, \consequent\,
\alternate\],\n fields: {\n test: {\n validate: (0, _utils.assertNodeType)(\Expression\)\n },\n consequent:
{\n validate: (0, _utils.assertNodeType)(\Expression\)\n },\n alternate: {\n validate: (0,
_utils.assertNodeType)(\Expression\)\n }\n },\n aliases: [\Expression\, \Conditional\]}\n});\n(0,
_utils.default)(\ContinueStatement\, {\n visitor: [\label\],\n fields: {\n label: {\n validate: (0,
_utils.assertNodeType)(\Identifier\),\n optional: true\n }\n },\n aliases: [\Statement\, \Terminatorless\,
\CompletionStatement\]}\n});\n(0, _utils.default)(\DebuggerStatement\, {\n aliases: [\Statement\]}\n});\n(0,
_utils.default)(\DoWhileStatement\, {\n visitor: [\test\, \body\],\n fields: {\n test: {\n validate: (0,
_utils.assertNodeType)(\Expression\)\n },\n body: {\n validate: (0, _utils.assertNodeType)(\Statement\)\n
}\n },\n aliases: [\Statement\, \BlockParent\, \Loop\, \While\, \Scopable\]}\n});\n(0,
_utils.default)(\EmptyStatement\, {\n aliases: [\Statement\]}\n});\n(0, _utils.default)(\ExpressionStatement\,
{\n visitor: [\expression\],\n fields: {\n expression: {\n validate: (0,
_utils.assertNodeType)(\Expression\)\n }\n },\n aliases: [\Statement\, \ExpressionWrapper\]}\n});\n(0,
_utils.default)(\File\, {\n builder: [\program\, \comments\, \tokens\],\n visitor: [\program\],\n fields: {\n
program: {\n validate: (0, _utils.assertNodeType)(\Program\)\n },\n comments: {\n validate:
!process.env.BABEL_TYPES_8_BREAKING ? Object.assign( => {}, {\n each: {\n oneOfNodeTypes:
[\CommentBlock\, \CommentLine\]}\n }) : (0, _utils.assertEach)((0,
_utils.assertNodeType)(\CommentBlock\, \CommentLine\)),\n optional: true\n },\n tokens: {\n
validate: (0, _utils.assertEach)(Object.assign( => {}, {\n type: \any\}\n ))\n },\n optional: true\n }\n
})\n});\n(0, _utils.default)(\ForInStatement\, {\n visitor: [\left\, \right\, \body\],\n aliases: [\Scopable\,
\Statement\, \For\, \BlockParent\, \Loop\, \ForXStatement\],\n fields: {\n left: {\n validate:
!process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)(\VariableDeclaration\, \LVal\): (0,
_utils.assertNodeType)(\VariableDeclaration\, \Identifier\, \MemberExpression\, \ArrayPattern\,
\ObjectPattern\)\n },\n right: {\n validate: (0, _utils.assertNodeType)(\Expression\)\n },\n body: {\n
validate: (0, _utils.assertNodeType)(\Statement\)\n }\n }\n });\n(0, _utils.default)(\ForStatement\, {\n visitor:
[\init\, \test\, \update\, \body\],\n aliases: [\Scopable\, \Statement\, \For\, \BlockParent\, \Loop\],\n
fields: {\n init: {\n validate: (0, _utils.assertNodeType)(\VariableDeclaration\, \Expression\),\n optional:
true\n },\n test: {\n validate: (0, _utils.assertNodeType)(\Expression\),\n optional: true\n },\n update:
{\n validate: (0, _utils.assertNodeType)(\Expression\),\n optional: true\n },\n body: {\n validate: (0,
_utils.assertNodeType)(\Statement\)\n }\n }\n });\nconst functionCommon = {\n params: {\n validate: (0,
_utils.chain)((0, _utils.assertValueType)(\array\), (0, _utils.assertEach)((0, _utils.assertNodeType)(\Identifier\,
\Pattern\, \RestElement\, \TSPParameterProperty\)))\n },\n generator: {\n default: false\n },\n async: {\n
default: false\n }\n };
\nexports.functionCommon = functionCommon;\nconst functionTypeAnnotationCommon =
{\n returnType: {\n validate: (0, _utils.assertNodeType)(\TypeAnnotation\, \TSTypeAnnotation\, \Noop\),\n
optional: true\n },\n typeParameters: {\n validate: (0, _utils.assertNodeType)(\TypeParameterDeclaration\,

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\TSTypeParameterDeclaration\, \Noop\),\n optional: true\n }\n};\nexports.functionTypeAnnotationCommon
= functionTypeAnnotationCommon;\nconst functionDeclarationCommon = Object.assign({}, functionCommon, {\n
declare: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n },\n id: {\n validate: (0,
_utils.assertNodeType)("Identifier"),\n optional: true\n }\n});\nexports.functionDeclarationCommon =
functionDeclarationCommon;\n(0, _utils.default)("FunctionDeclaration", {\n builder: ["id", "params", "body",
"generator", "async"],\n visitor: ["id", "params", "body", "returnType", "typeParameters"],\n fields:
Object.assign({}, functionDeclarationCommon, functionTypeAnnotationCommon, {\n body: {\n validate: (0,
_utils.assertNodeType)("BlockStatement")\n }\n }},\n aliases: ["Scopable", "Function", "BlockParent",
"FunctionParent", "Statement", "Pureish", "Declaration"],\n validate: function () {\n if
(!process.env.BABEL_TYPES_8_BREAKING) return () => {};\n const identifier = (0,
_utils.assertNodeType)("Identifier");\n return function (parent, key, node) {\n if (!(0,
_is.default)("ExportDefaultDeclaration", parent)) {\n identifier(node, "id", node.id);\n }\n
};\n }()\n});\n(0, _utils.default)("FunctionExpression", {\n inherits: "FunctionDeclaration",\n aliases: ["Scopable",
"Function", "BlockParent", "FunctionParent", "Expression", "Pureish"],\n fields: Object.assign({},
functionCommon, functionTypeAnnotationCommon, {\n id: {\n validate: (0,
_utils.assertNodeType)("Identifier"),\n optional: true\n },\n body: {\n validate: (0,
_utils.assertNodeType)("BlockStatement")\n }\n }));\nconst patternLikeCommon = {\n typeAnnotation: {\n
validate: (0, _utils.assertNodeType)("TypeAnnotation", "TSTypeAnnotation", "Noop"),\n optional: true\n },\n
decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Decorator")))\n }\n};\nexports.patternLikeCommon = patternLikeCommon;\n(0,
_utils.default)("Identifier", {\n builder: ["name"],\n visitor: ["typeAnnotation", "decorators"],\n aliases:
["Expression", "PatternLike", "LVal", "TSEntityName"],\n fields: Object.assign({}, patternLikeCommon, {\n
name: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("string"), Object.assign(function (node, key,
val) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n\n if (!(0,
_isValidIdentifier.default)(val, false)) {\n throw new TypeError(`"${val}" is not a valid identifier name`);\n
}\n }, {\n type: "string"\n })),\n optional: {\n validate: (0,
_utils.assertValueType)("boolean"),\n optional: true\n }\n }},\n\n validate(parent, key, node) {\n if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n const match = /\.(\\w+)\$/ .exec(key);\n if (!match)
return;\n const [, parentKey] = match;\n const nonComp = {\n computed: false\n }; \n\n if (parentKey ===
"property") {\n if ((0, _is.default)("MemberExpression", parent, nonComp)) return;\n if ((0,
_is.default)("OptionalMemberExpression", parent, nonComp)) return;\n } else if (parentKey === "key") {\n
if ((0, _is.default)("Property", parent, nonComp)) return;\n if ((0, _is.default)("Method", parent, nonComp))
return;\n } else if (parentKey === "exported") {\n if ((0, _is.default)("ExportSpecifier", parent)) return;\n }
else if (parentKey === "imported") {\n if ((0, _is.default)("ImportSpecifier", parent, {\n imported: node\n
})) return;\n } else if (parentKey === "meta") {\n if ((0, _is.default)("MetaProperty", parent, {\n meta:
node\n })) return;\n }\n }\n\n if (((0, _helperValidatorIdentifier.isKeyword)(node.name) || (0,
_helperValidatorIdentifier.isReservedWord)(node.name)) && node.name !== "this") {\n throw new
TypeError(`"${node.name}" is not a valid identifier`);\n }\n }\n});\n(0, _utils.default)("IfStatement", {\n
visitor: ["test", "consequent", "alternate"],\n aliases: ["Statement", "Conditional"],\n fields: {\n test: {\n
validate: (0, _utils.assertNodeType)("Expression")\n },\n consequent: {\n validate: (0,
_utils.assertNodeType)("Statement")\n },\n alternate: {\n optional: true,\n validate: (0,
_utils.assertNodeType)("Statement")\n }\n }\n});\n(0, _utils.default)("LabeledStatement", {\n visitor:
["label", "body"],\n aliases: ["Statement"],\n fields: {\n label: {\n validate: (0,
_utils.assertNodeType)("Identifier")\n },\n body: {\n validate: (0, _utils.assertNodeType)("Statement")\n
}\n }\n});\n(0, _utils.default)("StringLiteral", {\n builder: ["value"],\n fields: {\n value: {\n validate: (0,
_utils.assertValueType)("string")\n }\n },\n aliases: ["Expression", "Pureish", "Literal",
"Immutable"]\n});\n(0, _utils.default)("NumericLiteral", {\n builder: ["value"],\n deprecatedAlias:
"NumberLiteral",\n fields: {\n value: {\n validate: (0, _utils.assertValueType)("number")\n }\n },\n

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aliases: [\ "Expression", \ "Pureish", \ "Literal", \ "Immutable"\ ]\n});\n(0, _utils.default)(\ "NullLiteral", {\n aliases:
[\ "Expression", \ "Pureish", \ "Literal", \ "Immutable"\ ]\n});\n(0, _utils.default)(\ "BooleanLiteral", {\n builder:
[\ "value"\ ],\n fields: {\n value: {\n validate: (0, _utils.assertValueType)(\ "boolean"\ )\n }},\n aliases:
[\ "Expression", \ "Pureish", \ "Literal", \ "Immutable"\ ]\n});\n(0, _utils.default)(\ "RegExpLiteral", {\n builder:
[\ "pattern", \ "flags"\ ],\n deprecatedAlias: \ "RegexLiteral",\n aliases: [\ "Expression", \ "Pureish", \ "Literal"\ ],\n
fields: {\n pattern: {\n validate: (0, _utils.assertValueType)(\ "string"\ )\n },\n flags: {\n validate: (0,
_utils.chain)((0, _utils.assertValueType)(\ "string"\ ), Object.assign(function (node, key, val) {\n if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n const invalid = /^[^gimsuy]/.exec(val);\n\n if
(invalid) {\n throw new TypeError(\ "${invalid[0]}" is not a valid RegExp flag`);\n }}, {\n
type: \ "string"\n })),\n default: \ ""\n }},\n });\n(0, _utils.default)(\ "LogicalExpression", {\n builder:
[\ "operator", \ "left", \ "right"\ ],\n visitor: [\ "left", \ "right"\ ],\n aliases: [\ "Binary", \ "Expression"\ ],\n fields: {\n
operator: {\n validate: (0, _utils.assertOneOf)(..._constants.LOGICAL_OPERATORS)\n },\n left: {\n
validate: (0, _utils.assertNodeType)(\ "Expression"\ )\n },\n right: {\n validate: (0,
_utils.assertNodeType)(\ "Expression"\ )\n }},\n });\n(0, _utils.default)(\ "MemberExpression", {\n builder:
[\ "object", \ "property", \ "computed", \ "optional"\ ],\n visitor: [\ "object", \ "property"\ ],\n aliases: [\ "Expression",
\ "LVal"\ ],\n fields: Object.assign({\n object: {\n validate: (0, _utils.assertNodeType)(\ "Expression"\ )\n },\n
property: {\n validate: function () {\n const normal = (0, _utils.assertNodeType)(\ "Identifier",
\ "PrivateName"\ );\n const computed = (0, _utils.assertNodeType)(\ "Expression"\ );\n const validator =
function (node, key, val) {\n const validator = node.computed ? computed : normal;\n validator(node,
key, val);\n };,\n validator.oneOfNodeTypes = [\ "Expression", \ "Identifier", \ "PrivateName"\ ];\n
return validator;\n }()\n },\n computed: {\n default: false\n }},\n
!process.env.BABEL_TYPES_8_BREAKING ? {\n optional: {\n validate: (0, _utils.assertOneOf)(true,
false),\n optional: true\n }},\n });\n(0, _utils.default)(\ "NewExpression", {\n inherits:
\ "CallExpression"\n});\n(0, _utils.default)(\ "Program", {\n visitor: [\ "directives", \ "body"\ ],\n builder: [\ "body",
\ "directives", \ "sourceType", \ "interpreter"\ ],\n fields: {\n sourceFile: {\n validate: (0,
_utils.assertValueType)(\ "string"\ )\n },\n sourceType: {\n validate: (0, _utils.assertOneOf)(\ "script",
\ "module"\ ),\n default: \ "script"\n },\n interpreter: {\n validate: (0,
_utils.assertNodeType)(\ "InterpreterDirective"\ ),\n default: null,\n optional: true\n },\n directives: {\n
validate: (0, _utils.chain)((0, _utils.assertValueType)(\ "array"\ ), (0, _utils.assertEach)((0,
_utils.assertNodeType)(\ "Directive"\ ))),\n default: []\n },\n body: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)(\ "array"\ ), (0, _utils.assertEach)((0, _utils.assertNodeType)(\ "Statement"\ )))\n }},\n
aliases: [\ "Scopable", \ "BlockParent", \ "Block"\ ]\n});\n(0, _utils.default)(\ "ObjectExpression", {\n visitor:
[\ "properties"\ ],\n aliases: [\ "Expression"\ ],\n fields: {\n properties: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)(\ "array"\ ), (0, _utils.assertEach)((0, _utils.assertNodeType)(\ "ObjectMethod",
\ "ObjectProperty", \ "SpreadElement"\ )))\n }},\n });\n(0, _utils.default)(\ "ObjectMethod", {\n builder:
[\ "kind", \ "key", \ "params", \ "body", \ "computed", \ "generator", \ "async"\ ],\n fields: Object.assign({,
functionCommon, functionTypeAnnotationCommon, {\n kind: Object.assign({\n validate: (0,
_utils.assertOneOf)(\ "method", \ "get", \ "set"\ )\n }, !process.env.BABEL_TYPES_8_BREAKING ? {\n
default: \ "method"\n } : {}),\n computed: {\n default: false\n },\n key: {\n validate: function () {\n
const normal = (0, _utils.assertNodeType)(\ "Identifier", \ "StringLiteral", \ "NumericLiteral");\n const
computed = (0, _utils.assertNodeType)(\ "Expression");\n\n const validator = function (node, key, val) {\n
const validator = node.computed ? computed : normal;\n validator(node, key, val);\n };,\n
validator.oneOfNodeTypes = [\ "Expression", \ "Identifier", \ "StringLiteral", \ "NumericLiteral"\ ];\n
return validator;\n }()\n },\n decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)(\ "array"\ ), (0,
_utils.assertEach)((0, _utils.assertNodeType)(\ "Decorator"\ ))),\n optional: true\n },\n body: {\n validate:
(0, _utils.assertNodeType)(\ "BlockStatement"\ )\n }},\n visitor: [\ "key", \ "params", \ "body", \ "decorators",
\ "returnType", \ "typeParameters"\ ],\n aliases: [\ "UserWhitespacable", \ "Function", \ "Scopable", \ "BlockParent",
\ "FunctionParent", \ "Method", \ "ObjectMember"\ ]\n});\n(0, _utils.default)(\ "ObjectProperty", {\n builder:

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["key", "value", "computed", "shorthand", ...(!process.env.BABEL_TYPES_8_BREAKING ? ["decorators"]
: [])],\n fields: {\n  computed: {\n    default: false\n  },\n  key: {\n    validate: function () {\n      const normal
= (0, _utils.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral");\n      const computed = (0,
_utils.assertNodeType)("Expression");\n\n      const validator = function (node, key, val) {\n        const validator
= node.computed ? computed : normal;\n        validator(node, key, val);\n      };\n\n      validator.oneOfNodeTypes = ["Expression", "Identifier", "StringLiteral", "NumericLiteral"];
return
validator;\n    }()\n  },\n  value: {\n    validate: (0, _utils.assertNodeType)("Expression", "PatternLike")\n  },\n  shorthand: {\n    validate: (0, _utils.chain)((0, _utils.assertValueType)("boolean"), Object.assign(function
(node, key, val) {\n      if (!process.env.BABEL_TYPES_8_BREAKING) return;\n      if (val &&
node.computed) {\n        throw new TypeError("Property shorthand of ObjectProperty cannot be true if computed
is true");\n      }\n    }, {\n      type: "boolean"\n    })), function (node, key, val) {\n      if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n      if (val && !(0, _is.default)("Identifier",
node.key)) {\n        throw new TypeError("Property shorthand of ObjectProperty cannot be true if key is not an
Identifier");\n      }\n    })),\n    default: false\n  },\n  decorators: {\n    validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator"))),\n    optional:
true\n  }\n },\n visitor: ["key", "value", "decorators"],\n aliases: ["UserWhitespacable", "Property",
"ObjectMember"],\n validate: function () {\n   const pattern = (0, _utils.assertNodeType)("Identifier",
"Pattern");\n   const expression = (0, _utils.assertNodeType)("Expression");\n   return function (parent, key,
node) {\n     if (!process.env.BABEL_TYPES_8_BREAKING) return;\n     const validator = (0,
_is.default)("ObjectPattern", parent) ? pattern : expression;\n     validator(node, "value", node.value);\n   }();\n }(),\n (0, _utils.default)("RestElement", {\n   visitor: ["argument", "typeAnnotation"],\n   builder:
["argument"],\n   aliases: ["LVal", "PatternLike"],\n   deprecatedAlias: "RestProperty",\n   fields:
Object.assign({}, patternLikeCommon, {\n     argument: {\n       validate:
!process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)("LVal") : (0,
_utils.assertNodeType)("Identifier", "Pattern", "MemberExpression")\n     }\n   })),\n   validate(parent, key) {\n
if (!process.env.BABEL_TYPES_8_BREAKING) return;\n     const match = /(\\w+)\\[(\\d+)\\]/.exec(key);\n     if
(!match) throw new Error("Internal Babel error: malformed key.");\n     const [, listKey, index] = match;\n     if
(parent[listKey].length > index + 1) {\n       throw new TypeError("RestElement must be last element of
${listKey}");\n     }\n   }(),\n   (0, _utils.default)("ReturnStatement", {\n     visitor: ["argument"],\n     aliases:
["Statement", "Terminatorless", "CompletionStatement"],\n     fields: {\n       argument: {\n         validate: (0,
_utils.assertNodeType)("Expression"),\n         optional: true\n       }\n     }(),\n     (0, _utils.default)("SequenceExpression", {\n       visitor: ["expressions"],\n       fields: {\n         expressions: {\n           validate:
(0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Expression")))\n         }\n       },\n       aliases: ["Expression"]\n     }(),\n     (0,
_utils.default)("ParenthesizedExpression", {\n       visitor: ["expression"],\n       aliases: ["Expression",
"ExpressionWrapper"],\n       fields: {\n         expression: {\n           validate: (0, _utils.assertNodeType)("Expression")\n         }\n       }\n     }(),\n     (0, _utils.default)("SwitchCase", {\n       visitor: ["test", "consequent"],\n       fields: {\n         test: {\n
validate: (0, _utils.assertNodeType)("Expression"),\n         optional: true\n       },\n         consequent: {\n           validate: (0,
_utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Statement")))\n         }\n       }\n     }(),\n     (0, _utils.default)("SwitchStatement", {\n       visitor:
["discriminant", "cases"],\n       aliases: ["Statement", "BlockParent", "Scopable"],\n       fields: {\n         discriminant:
{\n           validate: (0, _utils.assertNodeType)("Expression")\n         },\n         cases: {\n           validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("SwitchCase")))\n         }\n       }\n     }(),\n     (0, _utils.default)("ThisExpression", {\n       aliases: ["Expression"]\n     }(),\n     (0,
_utils.default)("ThrowStatement", {\n       visitor: ["argument"],\n       aliases: ["Statement", "Terminatorless",
"CompletionStatement"],\n       fields: {\n         argument: {\n           validate: (0, _utils.assertNodeType)("Expression")\n         }\n       }\n     }(),\n     (0, _utils.default)("TryStatement", {\n       visitor: ["block", "handler", "finalizer"],\n       aliases:
["Statement"],\n       fields: {\n         block: {\n           validate: (0, _utils.chain)((0,

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_utils.assertNodeType)("BlockStatement"), Object.assign(function (node) {\n    if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n\n    if (!node.handler && !node.finalizer) {\n
throw new TypeError("TryStatement expects either a handler or finalizer, or both");\n    }\n    }, {\n
oneOfNodeTypes: ["BlockStatement"]\n    })\n  },\n  handler: {\n    optional: true,\n    validate: (0,
_utils.assertNodeType)("CatchClause")\n  },\n  finalizer: {\n    optional: true,\n    validate: (0,
_utils.assertNodeType)("BlockStatement")\n  }\n  });\n(0, _utils.default)("UnaryExpression", {\n  builder:
["operator", "argument", "prefix"],\n  fields: {\n    prefix: {\n      default: true\n    },\n    argument: {\n
validate: (0, _utils.assertNodeType)("Expression")\n    },\n    operator: {\n      validate: (0,
_utils.assertOneOf)(..._constants.UNARY_OPERATORS)\n    }\n  },\n  visitor: ["argument"],\n  aliases:
["UnaryLike", "Expression"]\n});\n(0, _utils.default)("UpdateExpression", {\n  builder: ["operator",
"argument", "prefix"],\n  fields: {\n    prefix: {\n      default: false\n    },\n    argument: {\n      validate:
!process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)("Expression") : (0,
_utils.assertNodeType)("Identifier", "MemberExpression")\n    },\n    operator: {\n      validate: (0,
_utils.assertOneOf)(..._constants.UPDATE_OPERATORS)\n    }\n  },\n  visitor: ["argument"],\n  aliases:
["Expression"]\n});\n(0, _utils.default)("VariableDeclaration", {\n  builder: ["kind", "declarations"],\n  visitor:
["declarations"],\n  aliases: ["Statement", "Declaration"],\n  fields: {\n    declare: {\n      validate: (0,
_utils.assertValueType)("boolean"),\n      optional: true\n    },\n    kind: {\n      validate: (0,
_utils.assertOneOf)("var", "let", "const")\n    },\n    declarations: {\n      validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("VariableDeclarator")))\n
    }\n  },\n  validate(parent, key, node) {\n    if (!process.env.BABEL_TYPES_8_BREAKING) return;\n    if (!(0,
_is.default)("ForXStatement", parent, {\n      left: node\n    })) return;\n\n    if (node.declarations.length !== 1) {\n
throw new TypeError("Exactly one VariableDeclarator is required in the VariableDeclaration of a
${parent.type}");\n    }\n  }\n  });\n(0, _utils.default)("VariableDeclarator", {\n  visitor: ["id", "init"],\n  fields:
{\n    id: {\n      validate: function () {\n        if (!process.env.BABEL_TYPES_8_BREAKING) {\n          return (0,
_utils.assertNodeType)("LVal");\n        }\n        const normal = (0, _utils.assertNodeType)("Identifier",
"ArrayPattern", "ObjectPattern");\n        const without = (0, _utils.assertNodeType)("Identifier");\n        return
function (node, key, val) {\n          const validator = node.init ? normal : without;\n          validator(node, key, val);\n
        }\n      }\n    },\n    definite: {\n      optional: true,\n      validate: (0, _utils.assertValueType)("boolean")\n
    },\n    init: {\n      optional: true,\n      validate: (0, _utils.assertNodeType)("Expression")\n    }\n  });\n(0,
_utils.default)("WhileStatement", {\n  visitor: ["test", "body"],\n  aliases: ["Statement", "BlockParent",
"Loop", "While", "Scopable"],\n  fields: {\n    test: {\n      validate: (0, _utils.assertNodeType)("Expression")\n
    },\n    body: {\n      validate: (0, _utils.assertNodeType)("Statement")\n    }\n  });\n(0,
_utils.default)("WithStatement", {\n  visitor: ["object", "body"],\n  aliases: ["Statement"],\n  fields: {\n
object: {\n      validate: (0, _utils.assertNodeType)("Expression")\n    },\n    body: {\n      validate: (0,
_utils.assertNodeType)("Statement")\n    }\n  });\n(0, _utils.default)("AssignmentPattern", {\n  visitor:
["left", "right", "decorators"],\n  builder: ["left", "right"],\n  aliases: ["Pattern", "PatternLike", "LVal"],\n
fields: Object.assign({}, patternLikeCommon, {\n    left: {\n      validate: (0, _utils.assertNodeType)("Identifier",
"ObjectPattern", "ArrayPattern", "MemberExpression")\n    },\n    right: {\n      validate: (0,
_utils.assertNodeType)("Expression")\n    },\n    decorators: {\n      validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator"))),\n      optional:
true\n    }\n  });\n(0, _utils.default)("ArrayPattern", {\n  visitor: ["elements", "typeAnnotation"],\n  builder:
["elements"],\n  aliases: ["Pattern", "PatternLike", "LVal"],\n  fields: Object.assign({}, patternLikeCommon,
{\n    elements: {\n      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeOrValueType)("null", "PatternLike")))\n    },\n    decorators: {\n      validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator"))),\n      optional:
true\n    }\n  });\n(0, _utils.default)("ArrowFunctionExpression", {\n  builder: ["params", "body",
"async"],\n  visitor: ["params", "body", "returnType", "typeParameters"],\n  aliases: ["Scopable",
"Function", "BlockParent", "FunctionParent", "Expression", "Pureish"],\n  fields: Object.assign({},

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functionCommon, functionTypeAnnotationCommon, {\n  expression: {\n    validate: (0,
_utils.assertValueType)("boolean")\n  },\n  body: {\n    validate: (0,
_utils.assertNodeType)("BlockStatement", "Expression")\n  }\n});\n(0, _utils.default)("ClassBody", {\n
visitor: [{"body"}],\n fields: {\n  body: {\n    validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
_utils.assertEach)((0, _utils.assertNodeType)("ClassMethod", "ClassPrivateMethod", "ClassProperty",
"ClassPrivateProperty", "TSDeclareMethod", "TSIndexSignature"))\n  }\n });\n(0,
_utils.default)("ClassExpression", {\n  builder: [{"id", "superClass", "body", "decorators"}],\n  visitor: [{"id",
"body", "superClass", "mixins", "typeParameters", "superTypeParameters", "implements", "decorators"}],\n
aliases: [{"Scopable", "Class", "Expression"}],\n  fields: {\n    id: {\n      validate: (0,
_utils.assertNodeType)("Identifier"),\n      optional: true\n    },\n    typeParameters: {\n      validate: (0,
_utils.assertNodeType)("TypeParameterDeclaration", "TSTypeParameterDeclaration", "Noop"),\n      optional:
true\n    },\n    body: {\n      validate: (0, _utils.assertNodeType)("ClassBody")\n    },\n    superClass: {\n
optional: true,\n      validate: (0, _utils.assertNodeType)("Expression")\n    },\n    superTypeParameters: {\n
validate: (0, _utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),\n
optional: true\n    },\n    implements: {\n      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
_utils.assertEach)((0, _utils.assertNodeType)("TSExpressionWithTypeArguments", "ClassImplements"))),\n
optional: true\n    },\n    decorators: {\n      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
_utils.assertEach)((0, _utils.assertNodeType)("Decorator"))),\n      optional: true\n    },\n    mixins: {\n      validate:
(0, _utils.assertNodeType)("InterfaceExtends"),\n      optional: true\n    }\n  }\n});\n(0,
_utils.default)("ClassDeclaration", {\n  inherits: "ClassExpression",\n  aliases: [{"Scopable", "Class",
"Statement", "Declaration"}],\n  fields: {\n    id: {\n      validate: (0, _utils.assertNodeType)("Identifier")\n    },\n
typeParameters: {\n      validate: (0, _utils.assertNodeType)("TypeParameterDeclaration",
"TSTypeParameterDeclaration", "Noop"),\n      optional: true\n    },\n    body: {\n      validate: (0,
_utils.assertNodeType)("ClassBody")\n    },\n    superClass: {\n      optional: true,\n      validate: (0,
_utils.assertNodeType)("Expression")\n    },\n    superTypeParameters: {\n      validate: (0,
_utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),\n      optional: true\n
    },\n    implements: {\n      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("TSExpressionWithTypeArguments", "ClassImplements"))),\n      optional: true\n    },\n
decorators: {\n      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Decorator"))),\n      optional: true\n    },\n    mixins: {\n      validate: (0,
_utils.assertNodeType)("InterfaceExtends"),\n      optional: true\n    },\n    declare: {\n      validate: (0,
_utils.assertValueType)("boolean"),\n      optional: true\n    },\n    abstract: {\n      validate: (0,
_utils.assertValueType)("boolean"),\n      optional: true\n    }\n  },\n  validate: function () {\n    const identifier = (0,
_utils.assertNodeType)("Identifier");\n    return function (parent, key, node) {\n      if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n\n      if (!(!_utils.is.default)("ExportDefaultDeclaration",
parent)) {\n        identifier(node, "id", node.id);\n      }\n    }\n  });\n(0,
_utils.default)("ExportAllDeclaration", {\n  visitor: [{"source"}],\n  aliases: [{"Statement", "Declaration",
"ModuleDeclaration", "ExportDeclaration"}],\n  fields: {\n    source: {\n      validate: (0,
_utils.assertNodeType)("StringLiteral")\n    },\n    assertions: {\n      optional: true,\n      validate: (0,
_utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertNodeType)("ImportAttribute"))\n    }\n
});\n(0, _utils.default)("ExportDefaultDeclaration", {\n  visitor: [{"declaration"}],\n  aliases: [{"Statement",
"Declaration", "ModuleDeclaration", "ExportDeclaration"}],\n  fields: {\n    declaration: {\n      validate: (0,
_utils.assertNodeType)("FunctionDeclaration", "TSDeclareFunction", "ClassDeclaration", "Expression")\n    }\n
});\n(0, _utils.default)("ExportNamedDeclaration", {\n  visitor: [{"declaration", "specifiers",
"source"}],\n  aliases: [{"Statement", "Declaration", "ModuleDeclaration", "ExportDeclaration"}],\n  fields: {\n
declaration: {\n      optional: true,\n      validate: (0, _utils.chain)((0, _utils.assertNodeType)("Declaration"),
Object.assign(function (node, key, val) {\n      if (!process.env.BABEL_TYPES_8_BREAKING) return;\n\n      if
(val && node.specifiers.length) {\n        throw new TypeError("Only declaration or specifiers is allowed on

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ExportNamedDeclaration\");\n    }\n  }, {\n    oneOfNodeTypes: ["Declaration"]\n  }), function (node,
key, val) {\n    if (!process.env.BABEL_TYPES_8_BREAKING) return;\n\n    if (val && node.source) {\n      throw new TypeError("Cannot export a declaration from a source");\n    }\n\n    assertions: {\n      optional: true,\n      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
_utils.assertNodeType)("ImportAttribute"))\n    },\n    specifiers: {\n      default: [],\n      validate: (0,
_utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)(function () {\n        const sourced = (0,
_utils.assertNodeType)("ExportSpecifier", "ExportDefaultSpecifier", "ExportNamespaceSpecifier");\n        const sourceless = (0, _utils.assertNodeType)("ExportSpecifier");\n        if
(!process.env.BABEL_TYPES_8_BREAKING) return sourced;\n        return function (node, key, val) {\n
const validator = node.source ? sourced : sourceless;\n        validator(node, key, val);\n      });\n    })\n  },\n  source: {\n    validate: (0, _utils.assertNodeType)("StringLiteral"),\n    optional: true\n  },\n  exportKind: (0,
_utils.validateOptional)((0, _utils.assertOneOf)("type", "value"))\n  });\n\n(0, _utils.default)("ExportSpecifier",
{\n  visitor: ["local", "exported"],\n  aliases: ["ModuleSpecifier"],\n  fields: {\n    local: {\n      validate: (0,
_utils.assertNodeType)("Identifier")\n    },\n    exported: {\n      validate: (0, _utils.assertNodeType)("Identifier",
"StringLiteral")\n    }\n  });\n\n(0, _utils.default)("ForOfStatement", {\n  visitor: ["left", "right", "body"],\n  builder: ["left", "right", "body", "await"],\n  aliases: ["Scopable", "Statement", "For", "BlockParent",
"Loop", "ForXStatement"],\n  fields: {\n    left: {\n      validate: function () {\n        if
(!process.env.BABEL_TYPES_8_BREAKING) {\n          return (0, _utils.assertNodeType)("VariableDeclaration",
"LVal");\n        }\n\n        const declaration = (0, _utils.assertNodeType)("VariableDeclaration");\n        const lval
= (0, _utils.assertNodeType)("Identifier", "MemberExpression", "ArrayPattern", "ObjectPattern");\n        return
function (node, key, val) {\n          if ((0, _is.default)("VariableDeclaration", val)) {\n            declaration(node, key,
val);\n          } else {\n            lval(node, key, val);\n          }\n        });\n      },\n    right: {\n      validate: (0,
_utils.assertNodeType)("Expression")\n    },\n    body: {\n      validate: (0, _utils.assertNodeType)("Statement")\n    },\n    await: {\n      default: false\n    }\n  });\n\n(0, _utils.default)("ImportDeclaration", {\n  visitor:
["specifiers", "source"],\n  aliases: ["Statement", "Declaration", "ModuleDeclaration"],\n  fields: {\n    assertions: {\n      optional: true,\n      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
_utils.assertNodeType)("ImportAttribute"))\n    },\n    specifiers: {\n      validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("ImportSpecifier",
"ImportDefaultSpecifier", "ImportNamespaceSpecifier"))\n    },\n    source: {\n      validate: (0,
_utils.assertNodeType)("StringLiteral")\n    },\n    importKind: {\n      validate: (0, _utils.assertOneOf)("type",
"typeof", "value"),\n      optional: true\n    }\n  });\n\n(0, _utils.default)("ImportDefaultSpecifier", {\n  visitor:
["local"],\n  aliases: ["ModuleSpecifier"],\n  fields: {\n    local: {\n      validate: (0,
_utils.assertNodeType)("Identifier")\n    }\n  });\n\n(0, _utils.default)("ImportNamespaceSpecifier", {\n  visitor:
["local"],\n  aliases: ["ModuleSpecifier"],\n  fields: {\n    local: {\n      validate: (0,
_utils.assertNodeType)("Identifier")\n    }\n  });\n\n(0, _utils.default)("ImportSpecifier", {\n  visitor: ["local",
"imported"],\n  aliases: ["ModuleSpecifier"],\n  fields: {\n    local: {\n      validate: (0,
_utils.assertNodeType)("Identifier")\n    },\n    imported: {\n      validate: (0, _utils.assertNodeType)("Identifier",
"StringLiteral")\n    },\n    importKind: {\n      validate: (0, _utils.assertOneOf)("type", "typeof"),\n      optional:
true\n    }\n  });\n\n(0, _utils.default)("MetaProperty", {\n  visitor: ["meta", "property"],\n  aliases:
["Expression"],\n  fields: {\n    meta: {\n      validate: (0, _utils.chain)((0, _utils.assertNodeType)("Identifier"),
Object.assign(function (node, key, val) {\n        if (!process.env.BABEL_TYPES_8_BREAKING) return;\n        let
property;\n\n        switch (val.name) {\n          case "function":\n            property = "sent";\n            break;\n\n          case "new":\n            property = "target";\n            break;\n\n          case "import":\n            property = "meta";\n            break;\n        }\n\n        if (!(0, _is.default)("Identifier", node.property, {\n          name: property\n        })) {\n          throw new TypeError("Unrecognised MetaProperty");\n        }\n      }, {\n        oneOfNodeTypes:
["Identifier"]\n      })\n    },\n    property: {\n      validate: (0, _utils.assertNodeType)("Identifier")\n    }\n  });\n\nconst classMethodOrPropertyCommon = {\n  abstract: {\n    validate: (0,
_utils.assertValueType)("boolean"),\n    optional: true\n  },\n  accessibility: {\n    validate: (0,

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_utils.assertOneOf)("public", "private", "protected"),\n optional: true\n },\n static: {\n default: false\n },\n computed: {\n default: false\n },\n optional: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n },\n key: {\n validate: (0, _utils.chain)(function () {\n const normal = (0, _utils.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral");\n const computed = (0, _utils.assertNodeType)("Expression");\n return function (node, key, val) {\n const validator = node.computed ? computed : normal;\n validator(node, key, val);\n }; \n }()), (0, _utils.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral", "Expression"))\n }\n};\nexports.classMethodOrPropertyCommon = classMethodOrPropertyCommon;\nconst classMethodOrDeclareMethodCommon = Object.assign({}, functionCommon, classMethodOrPropertyCommon, {\n kind: {\n validate: (0, _utils.assertOneOf)("get", "set", "method", "constructor"),\n default: "method"\n },\n access: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("string")), (0, _utils.assertOneOf)("public", "private", "protected")), \n optional: true\n },\n decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator"))), \n optional: true\n }\n});\nexports.classMethodOrDeclareMethodCommon = classMethodOrDeclareMethodCommon;\n(0, _utils.default)("ClassMethod", {\n aliases: ["Function", "Scopable", "BlockParent", "FunctionParent", "Method"],\n builder: ["kind", "key", "params", "body", "computed", "static", "generator", "async"],\n visitor: ["key", "params", "body", "decorators", "returnType", "typeParameters"],\n fields: Object.assign({}, classMethodOrDeclareMethodCommon, functionTypeAnnotationCommon, {\n body: {\n validate: (0, _utils.assertNodeType)("BlockStatement")\n }\n }));\n(0, _utils.default)("ObjectPattern", {\n visitor: ["properties", "typeAnnotation", "decorators"],\n builder: ["properties"],\n aliases: ["Pattern", "PatternLike", "LVal"],\n fields: Object.assign({}, patternLikeCommon, {\n properties: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("RestElement", "ObjectProperty")))\n }\n }));\n(0, _utils.default)("SpreadElement", {\n visitor: ["argument"],\n aliases: ["UnaryLike"],\n deprecatedAlias: "SpreadProperty",\n fields: {\n argument: {\n validate: (0, _utils.assertNodeType)("Expression")\n }\n }));\n(0, _utils.default)("Super", {\n aliases: ["Expression"]\n });\n(0, _utils.default)("TaggedTemplateExpression", {\n visitor: ["tag", "quasi"],\n aliases: ["Expression"],\n fields: {\n tag: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n quasi: {\n validate: (0, _utils.assertNodeType)("TemplateLiteral")\n },\n typeParameters: {\n validate: (0, _utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),\n optional: true\n }\n }));\n(0, _utils.default)("TemplateElement", {\n builder: ["value", "tail"],\n fields: {\n value: {\n validate: (0, _utils.assertShape)({\n raw: {\n validate: (0, _utils.assertValueType)("string")\n },\n cooked: {\n validate: (0, _utils.assertValueType)("string"),\n optional: true\n }\n }\n },\n tail: {\n default: false\n }\n }));\n(0, _utils.default)("TemplateLiteral", {\n visitor: ["quasis", "expressions"],\n aliases: ["Expression", "Literal"],\n fields: {\n quasis: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("TemplateElement")))\n },\n expressions: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Expression", "TSType"))),\n function (node, key, val) {\n if (node.quasis.length !== val.length + 1) {\n throw new TypeError(`Number of ${node.type} quasis should be exactly one more than the number of expressions.\nExpected ${val.length + 1} quasis but got ${node.quasis.length}`);\n }\n }\n }));\n(0, _utils.default)("YieldExpression", {\n builder: ["argument", "delegate"],\n visitor: ["argument"],\n aliases: ["Expression", "Terminatorless"],\n fields: {\n delegate: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("boolean"), Object.assign(function (node, key, val) {\n if (!process.env.BABEL_TYPES_8_BREAKING) return;\n if (val && !node.argument) {\n throw new TypeError("Property delegate of YieldExpression cannot be true if there is no argument");\n }\n }, {\n type: "boolean"\n })),\n default: false\n },\n argument: {\n optional: true,\n validate: (0, _utils.assertNodeType)("Expression")\n }\n }));\n(0, _utils.default)("AwaitExpression", {\n builder:

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["argument\"]),\n visitor: ["argument\"]),\n aliases: ["Expression", "Terminatorless"],\n fields: {\n  argument:
{\n    validate: (0, _utils.assertNodeType)("Expression")\n  }\n }\n});\n(0, _utils.default)("Import", {\n  aliases:
["Expression"]\n});\n(0, _utils.default)("BigIntLiteral", {\n  builder: ["value"],\n  fields: {\n    value: {\n
validate: (0, _utils.assertValueType)("string")\n    }\n  },\n  aliases: ["Expression", "Pureish", "Literal",
"Immutable"]\n});\n(0, _utils.default)("ExportNamespaceSpecifier", {\n  visitor: ["exported"],\n  aliases:
["ModuleSpecifier"],\n  fields: {\n    exported: {\n      validate: (0, _utils.assertNodeType)("Identifier")\n    }\n
}\n});\n(0, _utils.default)("OptionalMemberExpression", {\n  builder: ["object", "property", "computed"],
"optional"],\n  visitor: ["object", "property"],\n  aliases: ["Expression"],\n  fields: {\n    object: {\n      validate:
(0, _utils.assertNodeType)("Expression")\n    },\n    property: {\n      validate: function () {\n        const normal =
(0, _utils.assertNodeType)("Identifier");\n        const computed = (0, _utils.assertNodeType)("Expression");\n
const validator = function (node, key, val) {\n          const validator = node.computed ? computed : normal;\n
validator(node, key, val);\n        };\n\n        validator.oneOfNodeTypes = ["Expression", "Identifier"];
return validator;\n      }()\n    },\n    computed: {\n      default: false\n    },\n    optional: {\n      validate:
!process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertValueType)("boolean") : (0, _utils.chain)((0,
_utils.assertValueType)("boolean"), (0, _utils.assertOptionalChainStart()))\n    }\n  }\n});\n(0,
_utils.default)("OptionalCallExpression", {\n  visitor: ["callee", "arguments", "typeParameters"],
"typeArguments"],\n  builder: ["callee", "arguments", "optional"],\n  aliases: ["Expression"],\n  fields: {\n
callee: {\n      validate: (0, _utils.assertNodeType)("Expression")\n    },\n    arguments: {\n      validate: (0,
_utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Expression",
"SpreadElement", "JSXNamespacedName")))\n    },\n    optional: {\n      validate:
!process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertValueType)("boolean") : (0, _utils.chain)((0,
_utils.assertValueType)("boolean"), (0, _utils.assertOptionalChainStart()))\n    },\n    typeArguments: {\n
validate: (0, _utils.assertNodeType)("TypeParameterInstantiation"),\n      optional: true\n    },\n    typeParameters:
{\n      validate: (0, _utils.assertNodeType)("TSTypeParameterInstantiation"),\n      optional: true\n    }\n
}\n});";\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value: true\n});\n\nexports.default =
isType;\n\nvar _definitions = require("../definitions");\n\nfunction isType(nodeType, targetType) {\n  if (nodeType
=== targetType) return true;\n  if (_definitions.ALIAS_KEYS[targetType]) return false;\n  const aliases =
_definitions.FLIPPED_ALIAS_KEYS[targetType];\n\n  if (aliases) {\n    if (aliases[0] === nodeType) return
true;\n\n    for (const alias of aliases) {\n      if (nodeType === alias) return true;\n    }\n  }\n\n  return
false;\n};\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value: true\n});\n\nexports.default =
validate;\n\nexports.validateField = validateField;\n\nexports.validateChild = validateChild;\n\nvar _definitions =
require("../definitions");\n\nfunction validate(node, key, val) {\n  if (!node) return;\n  const fields =
_definitions.NODE_FIELDS[node.type];\n  if (!fields) return;\n  const field = fields[key];\n  validateField(node,
key, val, field);\n  validateChild(node, key, val);\n}\n\nfunction validateField(node, key, val, field) {\n  if (!field ===
null ? void 0 : field.validate)) return;\n  if (field.optional && val === null) return;\n  field.validate(node, key,
val);\n}\n\nfunction validateChild(node, key, val) {\n  if (val === null) return;\n  const validate =
_definitions.NODE_PARENT_VALIDATIONS[val.type];\n  if (!validate) return;\n  validate(node, key,
val);\n};\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value: true\n});\n\nexports.default =
inherit;\n\nfunction inherit(key, child, parent) {\n  if (child && parent) {\n    child[key] = Array.from(new
Set([].concat(child[key], parent[key]).filter(Boolean)));\n  }\n};\n\n"use strict";\n\nObject.defineProperty(exports,
"__esModule", {\n  value: true\n});\n\nexports.default = shallowEqual;\n\nfunction shallowEqual(actual, expected)
{\n  const keys = Object.keys(expected);\n\n  for (const key of keys) {\n    if (actual[key] !== expected[key]) {\n
return false;\n    }\n  }\n\n  return true;\n};\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n
value: true\n});\n\nexports.classMethodOrDeclareMethodCommon = exports.classMethodOrPropertyCommon =
exports.patternLikeCommon = exports.functionDeclarationCommon = exports.functionTypeAnnotationCommon =
exports.functionCommon = void 0;\n\nvar _is = require("../validators/is");\n\nvar _isValidIdentifier =
require("../validators/isValidIdentifier");\n\nvar _helperValidatorIdentifier = require("@babel/helper-validator-
identifier");\n\nvar _constants = require("../constants");\n\nvar _utils = require("../utils");\n\n(0,

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_utils.default)("ArrayExpression", {
  fields: {
    elements: {
      validate: (0, _utils.chain)((0,
        _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeOrValueType)("null", "Expression",
        "SpreadElement"))),
      default: !process.env.BABEL_TYPES_8_BREAKING ? [] : undefined
    }
  },
  visitor: ["elements"],
  aliases: ["Expression"]
});
(0, _utils.default)("AssignmentExpression", {
  fields: {
    operator: {
      validate: function () {
        if (!process.env.BABEL_TYPES_8_BREAKING) {
          return (0,
            _utils.assertValueType)("string");
        }
      }
    },
    identifier: (0,
      _utils.assertOneOf(..._constants.ASSIGNMENT_OPERATORS));
    pattern: (0,
      _utils.assertOneOf("="));
  },
  return function (node, key, val) {
    const validator = (0,
      _is.default)("Pattern", node.left) ? pattern : identifier;
    validator(node, key, val);
  },
  left: {
    validate: !process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)("LVal") : (0,
      _utils.assertNodeType)("Identifier", "MemberExpression", "ArrayPattern", "ObjectPattern");
  },
  right: {
    validate: (0, _utils.assertNodeType)("Expression");
  },
  builder: ["operator", "left", "right"],
  visitor: ["left", "right"],
  aliases: ["Expression"]
});
(0, _utils.default)("BinaryExpression", {
  builder: ["operator", "left", "right"],
  fields: {
    operator: {
      validate: (0,
        _utils.assertOneOf(..._constants.BINARY_OPERATORS));
    },
    left: {
      validate: function () {
        const expression = (0, _utils.assertNodeType)("Expression");
        const inOp = (0,
          _utils.assertNodeType)("Expression", "PrivateName");
        const validator = function (node, key, val) {
          const validator = node.operator === "in" ? inOp : expression;
          validator(node, key, val);
        };
        validator.oneOfNodeTypes = ["Expression", "PrivateName"];
        return validator;
      }
    },
    right: {
      validate: (0, _utils.assertNodeType)("Expression");
    }
  },
  visitor: ["left", "right"],
  aliases: ["Binary", "Expression"]
});
(0, _utils.default)("InterpreterDirective", {
  builder: ["value"],
  fields: {
    value: {
      validate: (0, _utils.assertValueType)("string");
    }
  }
});
(0, _utils.default)("Directive", {
  visitor: ["value"],
  fields: {
    value: {
      validate: (0, _utils.assertNodeType)("DirectiveLiteral");
    }
  }
});
(0, _utils.default)("DirectiveLiteral", {
  builder: ["value"],
  fields: {
    value: {
      validate: (0,
        _utils.assertValueType)("string");
    }
  }
});
(0, _utils.default)("BlockStatement", {
  builder: ["body", "directives"],
  visitor: ["directives", "body"],
  fields: {
    directives: {
      validate: (0, _utils.chain)((0,
        _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Directive"))),
      default: []
    },
    body: {
      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
        _utils.assertNodeType)("Statement"))),
      aliases: ["Scopable", "BlockParent", "Block", "Statement"]
    }
  },
  visitor: ["label"],
  fields: {
    label: {
      validate: (0, _utils.assertNodeType)("Identifier"),
      optional: true
    }
  },
  aliases: ["Statement", "Terminatorless", "CompletionStatement"]
});
(0, _utils.default)("CallExpression", {
  visitor: ["callee", "arguments", "typeParameters", "typeArguments"],
  builder: ["callee", "arguments"],
  aliases: ["Expression"],
  fields: Object.assign({
    callee: {
      validate: (0, _utils.assertNodeType)("Expression", "V8IntrinsicIdentifier");
    },
    arguments: {
      validate: (0, _utils.chain)((0,
        _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Expression", "SpreadElement", "JSXNamespacedName", "ArgumentPlaceholder"))),
      optional: !process.env.BABEL_TYPES_8_BREAKING ? {
        validate: (0, _utils.assertOneOf)(true, false),
        optional: true
      } : {}
    },
    typeArguments: {
      validate: (0,
        _utils.assertNodeType)("TypeParameterInstantiation"),
      optional: true
    },
    typeParameters: {
      validate: (0, _utils.assertNodeType)("TSTypeParameterInstantiation"),
      optional: true
    }
  }, {
    param: {
      validate: (0,
        _utils.assertNodeType)("Identifier", "ArrayPattern", "ObjectPattern"),
      optional: true
    },
    body: {
      validate: (0, _utils.assertNodeType)("BlockStatement");
    }
  },
  aliases: ["Scopable", "BlockParent"]
});
(0, _utils.default)("ConditionalExpression", {
  visitor: ["test", "consequent", "alternate"],
  fields: {
    test: {
      validate: (0, _utils.assertNodeType)("Expression");
    },
    consequent: {
      validate: (0, _utils.assertNodeType)("Expression");
    },
    alternate: {
      validate: (0,
        _utils.assertNodeType)("Expression");
    }
  },
  aliases: ["Expression", "Conditional"]
});
(0,

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_utils.default)("ContinueStatement", {
  visitor: ["label"],
  fields: {
    label: {
      validate: (0,
_utils.assertNodeType)("Identifier"),
      optional: true
    }
  },
  aliases: ["Statement", "Terminatorless", "CompletionStatement"]
});
(0, _utils.default)("DebuggerStatement", {
  aliases: ["Statement"]
});
(0, _utils.default)("DoWhileStatement", {
  visitor: ["test", "body"],
  fields: {
    test: {
      validate: (0,
_utils.assertNodeType)("Expression")
    },
    body: {
      validate: (0, _utils.assertNodeType)("Statement")
    }
  },
  aliases: ["Statement", "BlockParent", "Loop", "While", "Scopable"]
});
(0, _utils.default)("EmptyStatement", {
  aliases: ["Statement"]
});
(0, _utils.default)("ExpressionStatement", {
  visitor: ["expression"],
  fields: {
    expression: {
      validate: (0,
_utils.assertNodeType)("Expression")
    }
  },
  aliases: ["Statement", "ExpressionWrapper"]
});
(0, _utils.default)("File", {
  builder: ["program", "comments", "tokens"],
  visitor: ["program"],
  fields: {
    program: {
      validate: (0, _utils.assertNodeType)("Program")
    },
    comments: {
      validate: !process.env.BABEL_TYPES_8_BREAKING ? Object.assign(
=> {}, {
        each: {
          oneOfNodeTypes: ["CommentBlock", "CommentLine"]
        }
      }) : (0, _utils.assertEach)((0,
_utils.assertNodeType)("CommentBlock", "CommentLine")),
      optional: true
    },
    tokens: {
      validate: (0, _utils.assertEach)(Object.assign(
=> {}, {
        type: "any"
      })),
      optional: true
    }
  });
(0, _utils.default)("ForInStatement", {
  visitor: ["left", "right", "body"],
  aliases: ["Scopable", "Statement", "For", "BlockParent", "Loop", "ForXStatement"],
  fields: {
    left: {
      validate: !process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)("VariableDeclaration", "LVal") : (0,
_utils.assertNodeType)("VariableDeclaration", "Identifier", "MemberExpression", "ArrayPattern", "ObjectPattern")
    },
    right: {
      validate: (0, _utils.assertNodeType)("Expression")
    },
    body: {
      validate: (0, _utils.assertNodeType)("Statement")
    }
  });
(0, _utils.default)("ForStatement", {
  visitor: ["init", "test", "update", "body"],
  aliases: ["Scopable", "Statement", "For", "BlockParent", "Loop"],
  fields: {
    init: {
      validate: (0, _utils.assertNodeType)("VariableDeclaration", "Expression"),
      optional: true
    },
    test: {
      validate: (0, _utils.assertNodeType)("Expression"),
      optional: true
    },
    update: {
      validate: (0, _utils.assertNodeType)("Expression"),
      optional: true
    },
    body: {
      validate: (0, _utils.assertNodeType)("Statement")
    }
  });
const functionCommon = {
  params: {
    validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Identifier", "Pattern", "RestElement", "TSPParameterProperty")))
  },
  generator: {
    default: false
  },
  async: {
    default: false
  }
};
exports.functionCommon = functionCommon;
const functionTypeAnnotationCommon = {
  returnType: {
    validate: (0, _utils.assertNodeType)("TypeAnnotation", "TSTypeAnnotation", "Noop"),
    optional: true
  },
  typeParameters: {
    validate: (0, _utils.assertNodeType)("TypeParameterDeclaration", "TSTypeParameterDeclaration", "Noop"),
    optional: true
  }
};
exports.functionTypeAnnotationCommon = functionTypeAnnotationCommon;
const functionDeclarationCommon = Object.assign(
={}, functionCommon, {
  declare: {
    validate: (0, _utils.assertValueType)("boolean"),
    optional: true
  },
  id: {
    validate: (0, _utils.assertNodeType)("Identifier"),
    optional: true
  }
});
exports.functionDeclarationCommon = functionDeclarationCommon;
(0, _utils.default)("FunctionDeclaration", {
  builder: ["id", "params", "body", "generator", "async"],
  visitor: ["id", "params", "body", "returnType", "typeParameters"],
  fields: Object.assign(
={}, functionDeclarationCommon, functionTypeAnnotationCommon, {
    body: {
      validate: (0, _utils.assertNodeType)("BlockStatement")
    }
  },
  aliases: ["Scopable", "Function", "BlockParent", "FunctionParent", "Statement", "Pureish", "Declaration"],
  validate: function () {
    if (!process.env.BABEL_TYPES_8_BREAKING) return () => {};
    const identifier = (0, _utils.assertNodeType)("Identifier");
    return function (parent, key, node) {
      if (!(0, _is.default)("ExportDefaultDeclaration", parent)) {
        identifier(node, "id", node.id);
      }
    };
  }
});
(0, _utils.default)("FunctionExpression", {
  inherits: "FunctionDeclaration",
  aliases: ["Scopable", "Function", "BlockParent", "FunctionParent", "Expression", "Pureish"],
  fields: Object.assign(
={}, functionCommon, functionTypeAnnotationCommon, {
    id: {
      validate: (0, _utils.assertNodeType)("Identifier"),
      optional: true
    },
    body: {
      validate: (0, _utils.assertNodeType)("BlockStatement")
    }
  });
const patternLikeCommon = {
  typeAnnotation: {

```



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validate: (0, _utils.assertNodeType)("TypeAnnotation", "TSTypeAnnotation", "Noop"),
optional: true
},
decorators: {
  validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
    _utils.assertNodeType)("Decorator"))),
  nextExports: patternLikeCommon = patternLikeCommon;
},
_utils.default)("Identifier", {
  builder: ["name"],
  visitor: ["typeAnnotation", "decorators"],
  aliases: ["Expression", "PatternLike", "LVal", "TSEntityName"],
  fields: Object.assign({}, patternLikeCommon, {
    name: {
      validate: (0, _utils.chain)((0, _utils.assertValueType)("string"), Object.assign(function (node, key,
        val) {
          if (!process.env.BABEL_TYPES_8_BREAKING) return;
          if (!0,
            _isValidIdentifier.default)(val, false)) {
            throw new TypeError(`"${val}" is not a valid identifier name`);
          }
        }, {
          type: "string"
        })),
      optional: {
        validate: (0,
          _utils.assertValueType)("boolean"),
        optional: true
      }
    },
    validate(parent, key, node) {
      if (!process.env.BABEL_TYPES_8_BREAKING) return;
      const match = /\.(\\w+)\$/.exec(key);
      if (!match) return;
      const [, parentKey] = match;
      const nonComp = {
        computed: false
      };
      if (parentKey === "property") {
        if ((0, _is.default)("MemberExpression", parent, nonComp)) return;
        if ((0,
          _is.default)("OptionalMemberExpression", parent, nonComp)) return;
      } else if (parentKey === "key") {
        if ((0, _is.default)("Property", parent, nonComp)) return;
        if ((0, _is.default)("Method", parent, nonComp)) return;
      } else if (parentKey === "exported") {
        if ((0, _is.default)("ExportSpecifier", parent)) return;
      } else if (parentKey === "imported") {
        if ((0, _is.default)("ImportSpecifier", parent, {
          imported: node
        })) return;
      } else if (parentKey === "meta") {
        if ((0, _is.default)("MetaProperty", parent, {
          meta: node
        })) return;
      }
      if (((0, _helperValidatorIdentifier.isKeyword)(node.name)) || (0,
        _helperValidatorIdentifier.isReservedWord)(node.name, false)) && node.name !== "this") {
        throw new
          TypeError(`"${node.name}" is not a valid identifier`);
      }
    }
  });
},
_utils.default)("IfStatement", {
  visitor: ["test", "consequent", "alternate"],
  aliases: ["Statement", "Conditional"],
  fields: {
    test: {
      validate: (0, _utils.assertNodeType)("Expression"),
      consequent: {
        validate: (0,
          _utils.assertNodeType)("Statement"),
        alternate: {
          optional: true,
          validate: (0,
            _utils.assertNodeType)("Statement")
        }
      }
    },
    _utils.default)("LabeledStatement", {
      visitor: ["label", "body"],
      aliases: ["Statement"],
      fields: {
        label: {
          validate: (0,
            _utils.assertNodeType)("Identifier"),
          body: {
            validate: (0, _utils.assertNodeType)("Statement")
          }
        }
      };
},
_utils.default)("StringLiteral", {
  builder: ["value"],
  fields: {
    value: {
      validate: (0,
        _utils.assertValueType)("string"),
      aliases: ["Expression", "Pureish", "Literal",
        "Immutable"];
},
_utils.default)("NumericLiteral", {
  builder: ["value"],
  deprecatedAlias:
    "NumberLiteral",
  fields: {
    value: {
      validate: (0, _utils.assertValueType)("number"),
      aliases: ["Expression", "Pureish", "Literal", "Immutable"];
},
_utils.default)("NullLiteral", {
  aliases: ["Expression", "Pureish", "Literal", "Immutable"];
},
_utils.default)("BooleanLiteral", {
  builder: ["value"],
  fields: {
    value: {
      validate: (0, _utils.assertValueType)("boolean"),
      aliases: ["Expression", "Pureish", "Literal", "Immutable"];
},
_utils.default)("RegExpLiteral", {
  builder: ["pattern", "flags"],
  deprecatedAlias: "RegexLiteral",
  aliases: ["Expression", "Pureish", "Literal"],
  fields: {
    pattern: {
      validate: (0, _utils.assertValueType)("string"),
      flags: {
        validate: (0,
          _utils.chain)((0, _utils.assertValueType)("string"), Object.assign(function (node, key, val) {
            if (!process.env.BABEL_TYPES_8_BREAKING) return;
            const invalid = /^[^gimsuy]/.exec(val);
            if (invalid) {
              throw new TypeError(`"${invalid[0]}" is not a valid RegExp flag`);
            }
          }, {
            type: "string"
          })),
          default: ""
        }
      }
    },
    _utils.default)("LogicalExpression", {
      builder: ["operator", "left", "right"],
      visitor: ["left", "right"],
      aliases: ["Binary", "Expression"],
      fields: {
        operator: {
          validate: (0, _utils.assertOneOf)(..._constants.LOGICAL_OPERATORS),
          left: {
            validate: (0, _utils.assertNodeType)("Expression"),
            right: {
              validate: (0,
                _utils.assertNodeType)("Expression")
            }
          }
        },
        _utils.default)("MemberExpression", {
          builder: ["object", "property", "computed", "optional"],
          visitor: ["object", "property"],
          aliases: ["Expression", "LVal"],
          fields: Object.assign({
            object: {
              validate: (0, _utils.assertNodeType)("Expression"),
              property: {
                validate: function () {
                  const normal = (0, _utils.assertNodeType)("Identifier",

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\PrivateName\");\n    const computed = (0, _utils.assertNodeType)("Expression");\n\n    const validator =
function (node, key, val) {\n    const validator = node.computed ? computed : normal;\n    validator(node,
key, val);\n    };\n\n    validator.oneOfNodeTypes = ["Expression", "Identifier", "PrivateName"];
\n    return validator;\n  }()\n },\n  computed: {\n    default: false\n  },\n  !process.env.BABEL_TYPES_8_BREAKING ? {\n    optional: {\n      validate: (0, _utils.assertOneOf)(true,
false),\n      optional: true\n    }\n  } : {})\n});\n(0, _utils.default)("NewExpression", {\n  inherits:
["CallExpression"]);\n(0, _utils.default)("Program", {\n  visitor: ["directives", "body"],\n  builder: ["body",
"directives", "sourceType", "interpreter"],\n  fields: {\n    sourceFile: {\n      validate: (0,
_utils.assertValueType)("string")\n    },\n    sourceType: {\n      validate: (0, _utils.assertOneOf)("script",
"module"),\n      default: "script"\n    },\n    interpreter: {\n      validate: (0,
_utils.assertNodeType)("InterpreterDirective"),\n      default: null,\n      optional: true\n    },\n    directives: {\n
validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Directive"))),\n      default: []\n    },\n    body: {\n      validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Statement")))\n    }\n  },\n  aliases: ["Scopable", "BlockParent", "Block"]);\n(0, _utils.default)("ObjectExpression", {\n  visitor:
["properties"],\n  aliases: ["Expression"],\n  fields: {\n    properties: {\n      validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("ObjectMethod",
"ObjectProperty", "SpreadElement")))\n    }\n  });\n(0, _utils.default)("ObjectMethod", {\n  builder:
["kind", "key", "params", "body", "computed", "generator", "async"],\n  fields: Object.assign({},
functionCommon, functionTypeAnnotationCommon, {\n    kind: Object.assign({\n      validate: (0,
_utils.assertOneOf)("method", "get", "set")\n    }, !process.env.BABEL_TYPES_8_BREAKING ? {\n
default: "method"\n    } : {}),\n    computed: {\n      default: false\n    },\n    key: {\n      validate: function () {\n
const normal = (0, _utils.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral");\n    const
computed = (0, _utils.assertNodeType)("Expression");\n\n    const validator = function (node, key, val) {\n
const validator = node.computed ? computed : normal;\n    validator(node, key, val);\n    };\n\n
validator.oneOfNodeTypes = ["Expression", "Identifier", "StringLiteral", "NumericLiteral"];
\n    return
validator;\n  }()\n },\n  decorators: {\n      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
_utils.assertEach)((0, _utils.assertNodeType)("Decorator"))),\n      optional: true\n    },\n    body: {\n      validate:
(0, _utils.assertNodeType)("BlockStatement")\n    }\n  },\n  visitor: ["key", "params", "body", "decorators",
"returnType", "typeParameters"],\n  aliases: ["UserWhitespacable", "Function", "Scopable", "BlockParent",
"FunctionParent", "Method", "ObjectMember"]);\n(0, _utils.default)("ObjectProperty", {\n  builder:
["key", "value", "computed", "shorthand", ...(process.env.BABEL_TYPES_8_BREAKING ? ["decorators"]
: [])],\n  fields: {\n    computed: {\n      default: false\n    },\n    key: {\n      validate: function () {\n
const normal = (0, _utils.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral");\n    const
computed = (0, _utils.assertNodeType)("Expression");\n\n    const validator = function (node, key, val) {\n
const validator = node.computed ? computed : normal;\n    validator(node, key, val);\n    };\n\n
validator.oneOfNodeTypes = ["Expression", "Identifier", "StringLiteral", "NumericLiteral"];
\n    return
validator;\n  }()\n },\n  value: {\n      validate: (0, _utils.assertNodeType)("Expression", "PatternLike")\n
},\n  shorthand: {\n      validate: (0, _utils.chain)((0, _utils.assertValueType)("boolean"), Object.assign(function
(node, key, val) {\n      if (!process.env.BABEL_TYPES_8_BREAKING) return;\n\n      if (val &&
node.computed) {\n        throw new TypeError("Property shorthand of ObjectProperty cannot be true if computed
is true");\n      }\n    }, {\n      type: "boolean"\n    })), function (node, key, val) {\n      if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n\n      if (val && !(0, _is.default)("Identifier",
node.key)) {\n        throw new TypeError("Property shorthand of ObjectProperty cannot be true if key is not an
Identifier");\n      }\n    },\n    default: false\n  },\n  decorators: {\n      validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator"))),\n      optional:
true\n    }\n  },\n  visitor: ["key", "value", "decorators"],\n  aliases: ["UserWhitespacable", "Property",
"ObjectMember"],\n  validate: function () {\n    const pattern = (0, _utils.assertNodeType)("Identifier",

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\Pattern\");\n  const expression = (0, _utils.assertNodeType)("Expression");\n  return function (parent, key,
node) {\n    if (!process.env.BABEL_TYPES_8_BREAKING) return;\n    const validator = (0,
_utils.default)("ObjectPattern", parent) ? pattern : expression;\n    validator(node, "value", node.value);\n  };\n
}()\n});\n(0, _utils.default)("RestElement", {\n  visitor: ["argument", "typeAnnotation"],\n  builder:
["argument"],\n  aliases: ["LVal", "PatternLike"],\n  deprecatedAlias: "RestProperty",\n  fields:
Object.assign({}, patternLikeCommon, {\n    argument: {\n      validate:
!process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)("LVal") : (0,
_utils.assertNodeType)("Identifier", "Pattern", "MemberExpression")\n    } \n  }),\n  validate(parent, key) {\n
if (!process.env.BABEL_TYPES_8_BREAKING) return;\n    const match = /(\\w+)\\[(\\d+)\\]/.exec(key);\n    if
(!match) throw new Error("Internal Babel error: malformed key.");\n    const [, listKey, index] = match;\n    if
(parent[listKey].length > index + 1) {\n      throw new TypeError("RestElement must be last element of
${listKey}");\n    } \n  } \n});\n(0, _utils.default)("ReturnStatement", {\n  visitor: ["argument"],\n  aliases:
["Statement", "Terminatorless", "CompletionStatement"],\n  fields: {\n    argument: {\n      validate: (0,
_utils.assertNodeType)("Expression"),\n      optional: true\n    } \n  } \n});\n(0,
_utils.default)("SequenceExpression", {\n  visitor: ["expressions"],\n  fields: {\n    expressions: {\n      validate:
(0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Expression")))\n    } \n  },\n  aliases: ["Expression"]\n});\n(0,
_utils.default)("ParenthesizedExpression", {\n  visitor: ["expression"],\n  aliases: ["Expression",
"ExpressionWrapper"],\n  fields: {\n    expression: {\n      validate: (0, _utils.assertNodeType)("Expression")\n
} \n  } \n});\n(0, _utils.default)("SwitchCase", {\n  visitor: ["test", "consequent"],\n  fields: {\n    test: {\n
validate: (0, _utils.assertNodeType)("Expression"),\n      optional: true\n    },\n    consequent: {\n      validate: (0,
_utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Statement")))\n    } \n  } \n});\n(0, _utils.default)("SwitchStatement", {\n  visitor:
["discriminant", "cases"],\n  aliases: ["Statement", "BlockParent", "Scopable"],\n  fields: {\n    discriminant:
{\n      validate: (0, _utils.assertNodeType)("Expression")\n    },\n    cases: {\n      validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("SwitchCase")))\n    } \n  } \n});\n(0, _utils.default)("ThisExpression", {\n  aliases: ["Expression"]\n});\n(0,
_utils.default)("ThrowStatement", {\n  visitor: ["argument"],\n  aliases: ["Statement", "Terminatorless",
"CompletionStatement"],\n  fields: {\n    argument: {\n      validate: (0, _utils.assertNodeType)("Expression")\n
} \n  } \n});\n(0, _utils.default)("TryStatement", {\n  visitor: ["block", "handler", "finalizer"],\n  aliases:
["Statement"],\n  fields: {\n    block: {\n      validate: (0, _utils.chain)((0,
_utils.assertNodeType)("BlockStatement"), Object.assign(function (node) {\n        if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n        if (!node.handler && !node.finalizer) {\n
throw new TypeError("TryStatement expects either a handler or finalizer, or both");\n        } \n      }, {\n
oneOfNodeTypes: ["BlockStatement"]\n    } \n  },\n    handler: {\n      optional: true,\n      validate: (0,
_utils.assertNodeType)("CatchClause")\n    },\n    finalizer: {\n      optional: true,\n      validate: (0,
_utils.assertNodeType)("BlockStatement")\n    } \n  } \n});\n(0, _utils.default)("UnaryExpression", {\n  builder:
["operator", "argument", "prefix"],\n  fields: {\n    prefix: {\n      default: true\n    },\n    argument: {\n
validate: (0, _utils.assertNodeType)("Expression")\n    },\n    operator: {\n      validate: (0,
_utils.assertOneOf(..._constants.UNARY_OPERATORS)\n    } \n  },\n  visitor: ["argument"],\n  aliases:
["UnaryLike", "Expression"]\n});\n(0, _utils.default)("UpdateExpression", {\n  builder: ["operator",
"argument", "prefix"],\n  fields: {\n    prefix: {\n      default: false\n    },\n    argument: {\n      validate:
!process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertNodeType)("Expression") : (0,
_utils.assertNodeType)("Identifier", "MemberExpression")\n    },\n    operator: {\n      validate: (0,
_utils.assertOneOf(..._constants.UPDATE_OPERATORS)\n    } \n  },\n  visitor: ["argument"],\n  aliases:
["Expression"]\n});\n(0, _utils.default)("VariableDeclaration", {\n  builder: ["kind", "declarations"],\n  visitor:
["declarations"],\n  aliases: ["Statement", "Declaration"],\n  fields: {\n    declare: {\n      validate: (0,
_utils.assertValueType)("boolean"),\n      optional: true\n    },\n    kind: {\n      validate: (0,

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_utils.assertOneOf(["var", "let", "const"])
  },
  declarations: {
    validate: (0, _utils.chain)((0,
    _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("VariableDeclarator"))))
  }
},
validate(parent, key, node) {
  if (!process.env.BABEL_TYPES_8_BREAKING) return;
  if (!(0,
  _is.default)("ForXStatement", parent, {
    left: node
  })) return;
  if (node.declarations.length !== 1) {
    throw new TypeError("Exactly one VariableDeclarator is required in the VariableDeclaration of a " +
    `${parent.type}`);
  }
  return (0, _utils.default)("VariableDeclarator", {
    visitor: ["id", "init"],
    fields: {
      id: {
        validate: function () {
          if (!process.env.BABEL_TYPES_8_BREAKING) {
            return (0,
            _utils.assertNodeType)("LVal");
          }
          const normal = (0, _utils.assertNodeType)("Identifier",
          "ArrayPattern", "ObjectPattern");
          const without = (0, _utils.assertNodeType)("Identifier");
          return function (node, key, val) {
            const validator = node.init ? normal : without;
            validator(node, key, val);
          };
        },
        optional: true,
        validate: (0, _utils.assertValueType)("boolean")
      },
      init: {
        optional: true,
        validate: (0, _utils.assertNodeType)("Expression")
      }
    }
  });
  (0,
  _utils.default)("WhileStatement", {
    visitor: ["test", "body"],
    aliases: ["Statement", "BlockParent",
    "Loop", "While", "Scopable"],
    fields: {
      test: {
        validate: (0, _utils.assertNodeType)("Expression")
      },
      body: {
        validate: (0, _utils.assertNodeType)("Statement")
      }
    }
  });
  (0,
  _utils.default)("WithStatement", {
    visitor: ["object", "body"],
    aliases: ["Statement"],
    fields: {
      object: {
        validate: (0, _utils.assertNodeType)("Expression")
      },
      body: {
        validate: (0,
        _utils.assertNodeType)("Statement")
      }
    }
  });
  (0, _utils.default)("AssignmentPattern", {
    visitor: ["left", "right", "decorators"],
    builder: ["left", "right"],
    aliases: ["Pattern", "PatternLike", "LVal"],
    fields: Object.assign({}, patternLikeCommon, {
      left: {
        validate: (0, _utils.assertNodeType)("Identifier",
        "ObjectPattern", "ArrayPattern", "MemberExpression")
      },
      right: {
        validate: (0,
        _utils.assertNodeType)("Expression")
      },
      decorators: {
        validate: (0, _utils.chain)((0,
        _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator")))
      },
      optional: true
    }
  });
  (0, _utils.default)("ArrayPattern", {
    visitor: ["elements", "typeAnnotation"],
    builder: ["elements"],
    aliases: ["Pattern", "PatternLike", "LVal"],
    fields: Object.assign({}, patternLikeCommon, {
      elements: {
        validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
        _utils.assertNodeOrValueType)("null", "PatternLike")))
      },
      decorators: {
        validate: (0, _utils.chain)((0,
        _utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator")))
      },
      optional: true
    }
  });
  (0, _utils.default)("ArrowFunctionExpression", {
    builder: ["params", "body",
    "async"],
    visitor: ["params", "body", "returnType", "typeParameters"],
    aliases: ["Scopable",
    "Function", "BlockParent", "FunctionParent", "Expression", "Pureish"],
    fields: Object.assign({}, functionCommon, functionTypeAnnotationCommon, {
      expression: {
        validate: (0,
        _utils.assertValueType)("boolean")
      },
      body: {
        validate: (0,
        _utils.assertNodeType)("BlockStatement", "Expression")
      }
    }
  });
  (0, _utils.default)("ClassBody", {
    visitor: ["body"],
    fields: {
      body: {
        validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
        _utils.assertEach)((0, _utils.assertNodeType)("ClassMethod", "ClassPrivateMethod", "ClassProperty",
        "ClassPrivateProperty", "TSDeclareMethod", "TSIndexSignature")))
      }
    }
  });
  (0,
  _utils.default)("ClassExpression", {
    builder: ["id", "superClass", "body", "decorators"],
    visitor: ["id",
    "body", "superClass", "mixins", "typeParameters", "superTypeParameters", "implements", "decorators"],
    aliases: ["Scopable", "Class", "Expression"],
    fields: {
      id: {
        validate: (0,
        _utils.assertNodeType)("Identifier"),
        optional: true
      },
      typeParameters: {
        validate: (0,
        _utils.assertNodeType)("TypeParameterDeclaration", "TSTypeParameterDeclaration", "Noop"),
        optional: true
      },
      body: {
        validate: (0, _utils.assertNodeType)("ClassBody")
      },
      superClass: {
        optional: true,
        validate: (0, _utils.assertNodeType)("Expression")
      },
      superTypeParameters: {
        validate: (0, _utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),
        optional: true
      },
      implements: {
        validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,
        _utils.assertEach)((0, _utils.assertNodeType)("TSExpressionWithTypeArguments", "ClassImplements")))
      },
      optional: true
    },
    decorators: {
      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,

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_utils.forEach((0, _utils.assertNodeType)("Decorator")),\n  optional: true\n  },\n  mixins: {\n    validate:
(0, _utils.assertNodeType)("InterfaceExtends"),\n    optional: true\n  }\n  });\n(0,
_utils.default)("ClassDeclaration", {\n  inherits: "ClassExpression",\n  aliases: ["Scopable", "Class",
"Statement", "Declaration"],\n  fields: {\n    id: {\n      validate: (0, _utils.assertNodeType)("Identifier")\n    },\n    typeParameters: {\n      validate: (0, _utils.assertNodeType)("TypeParameterDeclaration",
"TSTypeParameterDeclaration", "Noop"),\n      optional: true\n    },\n    body: {\n      validate: (0,
_utils.assertNodeType)("ClassBody")\n    },\n    superClass: {\n      optional: true,\n      validate: (0,
_utils.assertNodeType)("Expression")\n    },\n    superTypeParameters: {\n      validate: (0,
_utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),\n      optional: true\n
    },\n    implements: {\n      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.forEach)((0,
_utils.assertNodeType)("TSExpressionWithTypeArguments", "ClassImplements"))),\n      optional: true\n    },\n    decorators: {\n      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.forEach)((0,
_utils.assertNodeType)("Decorator"))),\n      optional: true\n    },\n    mixins: {\n      validate: (0,
_utils.assertNodeType)("InterfaceExtends"),\n      optional: true\n    },\n    declare: {\n      validate: (0,
_utils.assertValueType)("boolean"),\n      optional: true\n    },\n    abstract: {\n      validate: (0,
_utils.assertValueType)("boolean"),\n      optional: true\n    }\n  },\n  validate: function () {\n    const identifier = (0,
_utils.assertNodeType)("Identifier");\n    return function (parent, key, node) {\n      if
(!process.env.BABEL_TYPES_8_BREAKING) return;\n\n      if (!(!0, _is.default)("ExportDefaultDeclaration",
parent)) {\n        identifier(node, "id", node.id);\n      }\n    };\n  };\n(0,
_utils.default)("ExportAllDeclaration", {\n  visitor: ["source"],\n  aliases: ["Statement", "Declaration",
"ModuleDeclaration", "ExportDeclaration"],\n  fields: {\n    source: {\n      validate: (0,
_utils.assertNodeType)("StringLiteral")\n    },\n    exportKind: (0, _utils.validateOptional)((0,
_utils.assertOneOf)("type", "value")),\n    assertions: {\n      optional: true,\n      validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.forEach)((0, _utils.assertNodeType)("ImportAttribute")))\n    }\n  });\n(0, _utils.default)("ExportDefaultDeclaration", {\n  visitor: ["declaration"],\n  aliases: ["Statement",
"Declaration", "ModuleDeclaration", "ExportDeclaration"],\n  fields: {\n    declaration: {\n      validate: (0,
_utils.assertNodeType)("FunctionDeclaration", "TSDeclareFunction", "ClassDeclaration", "Expression")\n    }\n  });\n(0, _utils.default)("ExportNamedDeclaration", {\n  visitor: ["declaration", "specifiers",
"source"],\n  aliases: ["Statement", "Declaration", "ModuleDeclaration", "ExportDeclaration"],\n  fields: {\n    declaration: {\n      optional: true,\n      validate: (0, _utils.chain)((0, _utils.assertNodeType)("Declaration"),
Object.assign(function (node, key, val) {\n      if (!process.env.BABEL_TYPES_8_BREAKING) return;\n\n      if
(val && node.specifiers.length) {\n        throw new TypeError("Only declaration or specifiers is allowed on
ExportNamedDeclaration");\n      }\n    }, {\n      oneOfNodeTypes: ["Declaration"]\n    }), function (node,
key, val) {\n      if (!process.env.BABEL_TYPES_8_BREAKING) return;\n\n      if (val && node.source) {\n
throw new TypeError("Cannot export a declaration from a source");\n      }\n    })\n  },\n  assertions: {\n
optional: true,\n      validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.forEach)((0,
_utils.assertNodeType)("ImportAttribute")))\n    },\n    specifiers: {\n      default: [],\n      validate: (0,
_utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.forEach)(function () {\n      const sourced = (0,
_utils.assertNodeType)("ExportSpecifier", "ExportDefaultSpecifier", "ExportNamespaceSpecifier");\n      const sourceless = (0, _utils.assertNodeType)("ExportSpecifier");\n      if
(!process.env.BABEL_TYPES_8_BREAKING) return sourced;\n      return function (node, key, val) {\n
const validator = node.source ? sourced : sourceless;\n      validator(node, key, val);\n    };\n  }()))\n    },\n    source: {\n      validate: (0, _utils.assertNodeType)("StringLiteral"),\n      optional: true\n    },\n    exportKind: (0,
_utils.validateOptional)((0, _utils.assertOneOf)("type", "value"))\n  });\n(0, _utils.default)("ExportSpecifier",
{\n  visitor: ["local", "exported"],\n  aliases: ["ModuleSpecifier"],\n  fields: {\n    local: {\n      validate: (0,
_utils.assertNodeType)("Identifier")\n    },\n    exported: {\n      validate: (0, _utils.assertNodeType)("Identifier",
"StringLiteral")\n    }\n  });\n(0, _utils.default)("ForOfStatement", {\n  visitor: ["left", "right", "body"],\n  builder: ["left", "right", "body", "await"],\n  aliases: ["Scopable", "Statement", "For", "BlockParent",

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"Loop", "ForXStatement"},\n fields: {\n left: {\n validate: function () {\n if\n (!process.env.BABEL_TYPES_8_BREAKING) {\n return (0, _utils.assertNodeType)("VariableDeclaration",\n "LVal");\n };\n };\n const declaration = (0, _utils.assertNodeType)("VariableDeclaration");\n const lval\n = (0, _utils.assertNodeType)("Identifier", "MemberExpression", "ArrayPattern", "ObjectPattern");\n return\n function (node, key, val) {\n if ((0, _is.default)("VariableDeclaration", val)) {\n declaration(node, key,\n val);\n } else {\n lval(node, key, val);\n };\n };\n }\n },\n right: {\n validate: (0,\n _utils.assertNodeType)("Expression"),\n },\n body: {\n validate: (0, _utils.assertNodeType)("Statement"),\n },\n await: {\n default: false\n },\n });\n(0, _utils.default)("ImportDeclaration", {\n visitor:\n ["specifiers", "source"],\n aliases: ["Statement", "Declaration", "ModuleDeclaration"],\n fields: {\n assertions: {\n optional: true,\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0,\n _utils.assertEach)((0, _utils.assertNodeType)("ImportAttribute")))\n },\n specifiers: {\n validate: (0,\n _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,\n _utils.assertNodeType)("ImportSpecifier", "ImportDefaultSpecifier", "ImportNamespaceSpecifier")))\n },\n source: {\n validate: (0, _utils.assertNodeType)("StringLiteral"),\n },\n importKind: {\n validate: (0,\n _utils.assertOneOf)("type", "typeof", "value"),\n optional: true\n },\n });\n(0,\n _utils.default)("ImportDefaultSpecifier", {\n visitor: ["local"],\n aliases: ["ModuleSpecifier"],\n fields: {\n local: {\n validate: (0, _utils.assertNodeType)("Identifier"),\n },\n });\n(0,\n _utils.default)("ImportNamespaceSpecifier", {\n visitor: ["local"],\n aliases: ["ModuleSpecifier"],\n fields: {\n local: {\n validate: (0, _utils.assertNodeType)("Identifier"),\n },\n });\n(0,\n _utils.default)("ImportSpecifier", {\n visitor: ["local", "imported"],\n aliases: ["ModuleSpecifier"],\n fields:\n {\n local: {\n validate: (0, _utils.assertNodeType)("Identifier"),\n },\n imported: {\n validate: (0,\n _utils.assertNodeType)("Identifier", "StringLiteral"),\n },\n importKind: {\n validate: (0,\n _utils.assertOneOf)("type", "typeof"),\n optional: true\n },\n });\n(0, _utils.default)("MetaProperty", {\n visitor: ["meta", "property"],\n aliases: ["Expression"],\n fields: {\n meta: {\n validate: (0, _utils.chain)((0,\n _utils.assertNodeType)("Identifier"), Object.assign(function (node, key, val) {\n if\n (!process.env.BABEL_TYPES_8_BREAKING) return;\n let property;\n\n switch (val.name) {\n case\n "function":\n property = "sent";\n break;\n\n case "new":\n property = "target";\n break;\n\n case "import":\n property = "meta";\n break;\n }\n\n if (!(0,\n _is.default)("Identifier", node.property, {\n name: property\n }))) {\n throw new\n TypeError("Unrecognised MetaProperty");\n }\n }, {\n oneOfNodeTypes: ["Identifier"],\n })\n },\n property: {\n validate: (0, _utils.assertNodeType)("Identifier"),\n },\n });\n\nconst\n classMethodOrPropertyCommon = {\n abstract: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n },\n accessibility: {\n validate: (0, _utils.assertOneOf)("public", "private", "protected"),\n optional: true\n },\n static: {\n default: false\n },\n override: {\n default: false\n },\n computed: {\n default:\n false\n },\n optional: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n },\n key: {\n validate: (0, _utils.chain)(function () {\n const normal = (0, _utils.assertNodeType)("Identifier",\n "StringLiteral", "NumericLiteral");\n const computed = (0, _utils.assertNodeType)("Expression");\n return function (node, key, val) {\n const validator = node.computed ? computed : normal;\n validator(node,\n key, val);\n };\n }, (0, _utils.assertNodeType)("Identifier", "StringLiteral", "NumericLiteral",\n "Expression"))\n },\n });\n\nexports.classMethodOrPropertyCommon = classMethodOrPropertyCommon;\n\nconst\n classMethodOrDeclareMethodCommon = Object.assign({}, functionCommon, classMethodOrPropertyCommon,\n {\n kind: {\n validate: (0, _utils.assertOneOf)("get", "set", "method", "constructor"),\n default:\n "method"\n },\n access: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("string"), (0,\n _utils.assertOneOf)("public", "private", "protected")), \n optional: true\n },\n decorators: {\n validate: (0,\n _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,\n _utils.assertNodeType)("Decorator"))), \n optional: true\n },\n });\n\nexports.classMethodOrDeclareMethodCommon = classMethodOrDeclareMethodCommon;\n(0,\n _utils.default)("ClassMethod", {\n aliases: ["Function", "Scopable", "BlockParent", "FunctionParent"],
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\Method\},n builder: [\kind\, \key\, \params\, \body\, \computed\, \static\, \generator\, \async\],n
visitor: [\key\, \params\, \body\, \decorators\, \returnType\, \typeParameters\],n fields:
Object.assign({}, classMethodOrDeclareMethodCommon, functionTypeAnnotationCommon, {n body: {n
validate: (0, _utils.assertNodeType)("BlockStatement")n }n });n(0, _utils.default)("ObjectPattern", {n
visitor: [\properties\, \typeAnnotation\, \decorators\],n builder: [\properties\],n aliases: [\Pattern\,
\PatternLike\, \LVal\],n fields: Object.assign({}, patternLikeCommon, {n properties: {n validate: (0,
_utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("RestElement", "ObjectProperty"))n }n }n });n(0,
_utils.default)("SpreadElement", {n visitor: [\argument\],n aliases: [\UnaryLike\],n deprecatedAlias:
\SpreadProperty\,n fields: {n argument: {n validate: (0, _utils.assertNodeType)("Expression")n }n
})n });n(0, _utils.default)("Super", {n aliases: [\Expression\]n });n(0,
_utils.default)("TaggedTemplateExpression", {n visitor: [\tag\, \quasi\],n aliases: [\Expression\],n fields:
{n tag: {n validate: (0, _utils.assertNodeType)("Expression")n },n quasi: {n validate: (0,
_utils.assertNodeType)("TemplateLiteral")n },n typeParameters: {n validate: (0,
_utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),n optional: true\n
}n }n });n(0, _utils.default)("TemplateElement", {n builder: [\value\, \tail\],n fields: {n value: {n
validate: (0, _utils.assertShape)({n raw: {n validate: (0, _utils.assertValueType)("string")n },n
cooked: {n validate: (0, _utils.assertValueType)("string"),n optional: true\n }n }n }n },n
tail: {n default: false\n }n }n });n(0, _utils.default)("TemplateLiteral", {n visitor: [\quasis\,
\expressions\],n aliases: [\Expression\, \Literal\],n fields: {n quasis: {n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("TemplateElement"))n },n
expressions: {n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Expression", "TSType")), function (node, key, val) {n if (node.quasis.length !==
val.length + 1) {n throw new TypeError(`Number of ${node.type} quasis should be exactly one more than the
number of expressions.\nExpected ${val.length + 1} quasis but got ${node.quasis.length}`);n }n }n }n
})n });n(0, _utils.default)("YieldExpression", {n builder: [\argument\, \delegate\],n visitor: [\argument\],n
aliases: [\Expression\, \Terminatorless\],n fields: {n delegate: {n validate: (0, _utils.chain)((0,
_utils.assertValueType)("boolean"), Object.assign(function (node, key, val) {n if
(!process.env.BABEL_TYPES_8_BREAKING) return;n if (val && !node.argument) {n throw new
TypeError("Property delegate of YieldExpression cannot be true if there is no argument");n }n }, {n
type: "boolean"\n })),n default: false\n },n argument: {n optional: true,n validate: (0,
_utils.assertNodeType)("Expression")n }n }n });n(0, _utils.default)("AwaitExpression", {n builder:
[\argument\],n visitor: [\argument\],n aliases: [\Expression\, \Terminatorless\],n fields: {n argument:
{n validate: (0, _utils.assertNodeType)("Expression")n }n }n });n(0, _utils.default)("Import", {n aliases:
[\Expression\]n });n(0, _utils.default)("BigIntLiteral", {n builder: [\value\],n fields: {n value: {n
validate: (0, _utils.assertValueType)("string")n }n },n aliases: [\Expression\, \Pureish\, \Literal\,
\Immutable\]n });n(0, _utils.default)("ExportNamespaceSpecifier", {n visitor: [\exported\],n aliases:
[\ModuleSpecifier\],n fields: {n exported: {n validate: (0, _utils.assertNodeType)("Identifier")n }n
})n });n(0, _utils.default)("OptionalMemberExpression", {n builder: [\object\, \property\, \computed\,
\optional\],n visitor: [\object\, \property\],n aliases: [\Expression\],n fields: {n object: {n validate:
(0, _utils.assertNodeType)("Expression")n },n property: {n validate: function () {n const normal =
(0, _utils.assertNodeType)("Identifier");n const computed = (0, _utils.assertNodeType)("Expression");n
const validator = function (node, key, val) {n const validator = node.computed ? computed : normal;n
validator(node, key, val);n };n\n validator.oneOfNodeTypes = [\Expression\, \Identifier\];n return
validator;n }()\n },n computed: {n default: false\n },n optional: {n validate:
!process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertValueType)("boolean") : (0, _utils.chain)((0,
_utils.assertValueType)("boolean"), (0, _utils.assertOptionalChainStart()))n }n }n });n(0,
_utils.default)("OptionalCallExpression", {n visitor: [\callee\, \arguments\, \typeParameters\],

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"typeArguments"),\n builder: [\n"callee",\n"arguments",\n"optional"],\n aliases: [\n"Expression"],\n fields: {\n
callee: {\n validate: (0, _utils.assertNodeType)(\n"Expression")\n },\n arguments: {\n validate: (0,
_utils.chain)((0, _utils.assertValueType)(\n"array"), (0, _utils.assertEach)((0, _utils.assertNodeType)(\n"Expression",
\n"SpreadElement",\n"JSXNamespacedName",\n"ArgumentPlaceholder"))\n },\n optional: {\n validate:
!process.env.BABEL_TYPES_8_BREAKING ? (0, _utils.assertValueType)(\n"boolean") : (0, _utils.chain)((0,
_utils.assertValueType)(\n"boolean"), (0, _utils.assertOptionalChainStart()))\n },\n typeArguments: {\n
validate: (0, _utils.assertNodeType)(\n"TypeParameterInstantiation"),\n optional: true\n },\n typeParameters:
{\n validate: (0, _utils.assertNodeType)(\n"TSTypeParameterInstantiation"),\n optional: true\n }\n
}\n});\n\n"use strict";\n\nObject.defineProperty(exports, \n"__esModule", {\n value: true\n});\n\nexports.default =
isType;\n\nvar _definitions = require(\n"../definitions");\n\nfunction isType(nodeType, targetType) {\n if (nodeType
=== targetType) return true;\n if (_definitions.ALIAS_KEYS[targetType]) return false;\n const aliases =
_definitions.FLIPPED_ALIAS_KEYS[targetType];\n\n if (aliases) {\n if (aliases[0] === nodeType) return
true;\n\n for (const alias of aliases) {\n if (nodeType === alias) return true;\n }\n }\n return
false;\n}\n\n"use strict";\n\nObject.defineProperty(exports, \n"__esModule", {\n value: true\n});\n\nexports.default =
validate;\n\nexports.validateField = validateField;\n\nexports.validateChild = validateChild;\n\nvar _definitions =
require(\n"../definitions");\n\nfunction validate(node, key, val) {\n if (!node) return;\n const fields =
_definitions.NODE_FIELDS[node.type];\n if (!fields) return;\n const field = fields[key];\n validateField(node,
key, val, field);\n validateChild(node, key, val);\n}\n\nfunction validateField(node, key, val, field) {\n if (!(field !=
null && field.validate)) return;\n if (field.optional && val == null) return;\n field.validate(node, key,
val);\n}\n\nfunction validateChild(node, key, val) {\n if (val == null) return;\n const validate =
_definitions.NODE_PARENT_VALIDATIONS[val.type];\n if (!validate) return;\n validate(node, key,
val);\n}\n\n"use strict";\n\nObject.defineProperty(exports, \n"__esModule", {\n value: true\n});\n\nexports.default =
inherit;\n\nfunction inherit(key, child, parent) {\n if (child && parent) {\n child[key] = Array.from(new
Set([].concat(child[key], parent[key])).filter(Boolean));\n }\n}\n\n"use strict";\n\nObject.defineProperty(exports,
\n"__esModule", {\n value: true\n});\n\nexports.merge = merge;\n\nexports.validate =
validate;\n\nexports.normalizeReplacements = normalizeReplacements;\n\nfunction
_objectWithoutPropertiesLoose(source, excluded) {\n if (source == null) return {};\n var target = {};\n var sourceKeys =
Object.keys(source);\n var key, i;\n for (i = 0; i < sourceKeys.length; i++) {\n key = sourceKeys[i];\n if
(excluded.indexOf(key) >= 0) continue;\n target[key] = source[key];\n }\n return target;\n}\n\nfunction merge(a, b) {\n
const {\n placeholderWhitelist = a.placeholderWhitelist,\n placeholderPattern = a.placeholderPattern,\n
preserveComments = a.preserveComments,\n syntacticPlaceholders = a.syntacticPlaceholders\n } = b;\n return
{\n parser: Object.assign({}, a.parser, b.parser),\n placeholderWhitelist,\n placeholderPattern,\n
preserveComments,\n syntacticPlaceholders\n };\n}\n\nfunction validate(opts) {\n if (opts != null && typeof opts
!== \n"object") {\n throw new Error(\n"Unknown template options.");\n }\n\n const _ref = opts || {},\n {\n
placeholderWhitelist,\n placeholderPattern,\n preserveComments,\n syntacticPlaceholders\n } = _ref,\n
parser = _objectWithoutPropertiesLoose(_ref, [\n"placeholderWhitelist",\n"placeholderPattern",
\n"preserveComments",\n"syntacticPlaceholders"]); \n\n if (placeholderWhitelist != null && !(placeholderWhitelist
instanceof Set)) {\n throw new Error(\n".placeholderWhitelist' must be a Set, null, or undefined");\n }\n\n if
(placeholderPattern != null && !(placeholderPattern instanceof RegExp) && placeholderPattern !== false) {\n
throw new Error(\n".placeholderPattern' must be a RegExp, false, null, or undefined");\n }\n\n if
(preserveComments != null && typeof preserveComments !== \n"boolean") {\n throw new
Error(\n'.preserveComments' must be a boolean, null, or undefined");\n }\n\n if (syntacticPlaceholders != null &&
typeof syntacticPlaceholders !== \n"boolean") {\n throw new Error(\n'.syntacticPlaceholders' must be a boolean,
null, or undefined");\n }\n\n if (syntacticPlaceholders === true && (placeholderWhitelist != null ||
placeholderPattern != null)) {\n throw new Error(\n'.placeholderWhitelist' and '.placeholderPattern' aren't
compatible" + \n" with '.syntacticPlaceholders: true");\n }\n\n return {\n parser,\n placeholderWhitelist:
placeholderWhitelist || undefined,\n placeholderPattern: placeholderPattern == null ? undefined : placeholderPattern,\n
preserveComments: preserveComments == null ? undefined : preserveComments,\n

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syntacticPlaceholders: syntacticPlaceholders == null ? undefined : syntacticPlaceholders\n };}\n\nfunction
normalizeReplacements(replacements) {\n if (Array.isArray(replacements)) {\n return replacements.reduce((acc,
replacement, i) => {\n acc["$" + i] = replacement;\n return acc;\n }, {});\n } else if (typeof replacements
=== "object" || replacements == null) {\n return replacements || undefined;\n }\n\n throw new Error("Template
replacements must be an array, object, null, or undefined");\n }", "use strict";\n\nObject.defineProperty(exports,
'__esModule', { value: true });\n\nconst beforeExpr = true;\nconst startsExpr = true;\nconst isLoop = true;\nconst
isAssign = true;\nconst prefix = true;\nconst postfix = true;\n\nclass TokenType {\n constructor(label, conf = {}) {\n
this.label = void 0;\n this.keyword = void 0;\n this.beforeExpr = void 0;\n this.startsExpr = void 0;\n
this.rightAssociative = void 0;\n this.isLoop = void 0;\n this.isAssign = void 0;\n this.prefix = void 0;\n
this.postfix = void 0;\n this.binop = void 0;\n this.updateContext = void 0;\n this.label = label;\n
this.keyword = conf.keyword;\n this.beforeExpr = !!conf.beforeExpr;\n this.startsExpr = !!conf.startsExpr;\n
this.rightAssociative = !!conf.rightAssociative;\n this.isLoop = !!conf.isLoop;\n this.isAssign =
!!conf.isAssign;\n this.prefix = !!conf.prefix;\n this.postfix = !!conf.postfix;\n this.binop = conf.binop != null ?
conf.binop : null;\n this.updateContext = null;\n }\n\n}\n\nconst keywords = new Map();\n\nfunction
createKeyword(name, options = {}) {\n options.keyword = name;\n const token = new TokenType(name,
options);\n keywords.set(name, token);\n return token;\n }\n\nfunction createBinop(name, binop) {\n return new
TokenType(name, {\n beforeExpr, \n binop\n });\n }\n\nconst types = {\n num: new TokenType("num", {\n
startsExpr\n }),\n bigint: new TokenType("bigint", {\n startsExpr\n }),\n decimal: new
TokenType("decimal", {\n startsExpr\n }),\n regexp: new TokenType("regexp", {\n startsExpr\n }),\n
string: new TokenType("string", {\n startsExpr\n }),\n name: new TokenType("name", {\n startsExpr\n }),\n
eof: new TokenType("eof"),\n bracketL: new TokenType("[", {\n beforeExpr, \n startsExpr\n }),\n
bracketHashL: new TokenType("#[", {\n beforeExpr, \n startsExpr\n }),\n bracketBarL: new TokenType("[|",
{\n beforeExpr, \n startsExpr\n }),\n bracketR: new TokenType("]"),\n bracketBarR: new TokenType("|]"),\n
braceL: new TokenType("{", {\n beforeExpr, \n startsExpr\n }),\n braceBarL: new TokenType("{|", {\n
beforeExpr, \n startsExpr\n }),\n braceHashL: new TokenType("#{", {\n beforeExpr, \n startsExpr\n }),\n
braceR: new TokenType("}"),\n braceBarR: new TokenType("|}"),\n parenL: new TokenType("(", {\n
beforeExpr, \n startsExpr\n }),\n parenR: new TokenType(")"),\n comma: new TokenType(",", {\n
beforeExpr\n }),\n semi: new TokenType(";"),\n colon: new TokenType(":"), {\n
beforeExpr\n }),\n doubleColon: new TokenType("::"), {\n beforeExpr\n }),\n dot: new TokenType("."),\n
question: new TokenType("?"), {\n beforeExpr\n }),\n questionDot: new TokenType("?."),\n arrow: new
TokenType("=>", {\n beforeExpr\n }),\n template: new TokenType("template"),\n ellipsis: new
TokenType("...", {\n beforeExpr\n }),\n backQuote: new TokenType("`"), {\n startsExpr\n }),\n
dollarBraceL: new TokenType("${", {\n beforeExpr, \n startsExpr\n }),\n at: new TokenType("@"),\n hash:
new TokenType("#", {\n startsExpr\n }),\n interpreterDirective: new TokenType("#!..."),\n eq: new
TokenType("="), {\n beforeExpr, \n isAssign\n }),\n assign: new TokenType("=_", {\n beforeExpr, \n
isAssign\n }),\n incDec: new TokenType("++/--", {\n prefix, \n postfix, \n startsExpr\n }),\n bang: new
TokenType("!", {\n beforeExpr, \n prefix, \n startsExpr\n }),\n tilde: new TokenType("~", {\n
beforeExpr, \n prefix, \n startsExpr\n }),\n pipeline: createBinop(">", 0),\n nullishCoalescing:
createBinop("??", 1),\n logicalOR: createBinop("||", 1),\n logicalAND: createBinop("&", 2),\n bitwiseOR:
createBinop("|", 3),\n bitwiseXOR: createBinop("^", 4),\n bitwiseAND: createBinop("&", 5),\n equality:
createBinop("==/!/====/!===", 6),\n relational: createBinop("</>/<=>=", 7),\n bitShift:
createBinop("<</>>/>>>", 8),\n plusMin: new TokenType("+/-", {\n beforeExpr, \n binop: 9, \n
prefix, \n startsExpr\n }),\n modulo: new TokenType("%", {\n beforeExpr, \n binop: 10, \n
startsExpr\n }),\n star: new TokenType("*", {\n binop: 10\n }),\n slash: createBinop("/", 10),\n exponent:
new TokenType("**", {\n beforeExpr, \n binop: 11, \n rightAssociative: true\n }),\n _break: createKeyword("break"),\n
_case: createKeyword("case", {\n beforeExpr\n }),\n _catch: createKeyword("catch"),\n _continue:
createKeyword("continue"),\n _debugger: createKeyword("debugger"),\n _default: createKeyword("default",
{\n beforeExpr\n }),\n _do: createKeyword("do", {\n isLoop, \n beforeExpr\n }),\n _else:

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createKeyword("else", {\n beforeExpr\n }),\n _finally: createKeyword("finally"),\n _for:
createKeyword("for", {\n isLoop\n }),\n _function: createKeyword("function", {\n startsExpr\n }),\n _if:
createKeyword("if"),\n _return: createKeyword("return", {\n beforeExpr\n }),\n _switch:
createKeyword("switch"),\n _throw: createKeyword("throw", {\n beforeExpr,\n prefix,\n startsExpr\n }),\n
_try: createKeyword("try"),\n _var: createKeyword("var"),\n _const: createKeyword("const"),\n _while:
createKeyword("while", {\n isLoop\n }),\n _with: createKeyword("with"),\n _new: createKeyword("new",
{\n beforeExpr,\n startsExpr\n }),\n _this: createKeyword("this", {\n startsExpr\n }),\n _super:
createKeyword("super", {\n startsExpr\n }),\n _class: createKeyword("class", {\n startsExpr\n }),\n
_extends: createKeyword("extends", {\n beforeExpr\n }),\n _export: createKeyword("export"),\n _import:
createKeyword("import", {\n startsExpr\n }),\n _null: createKeyword("null", {\n startsExpr\n }),\n _true:
createKeyword("true", {\n startsExpr\n }),\n _false: createKeyword("false", {\n startsExpr\n }),\n _in:
createKeyword("in", {\n beforeExpr,\n binop: 7\n }),\n _instanceof: createKeyword("instanceof", {\n
beforeExpr,\n binop: 7\n }),\n _typeof: createKeyword("typeof", {\n beforeExpr,\n prefix,\n startsExpr\n
}),\n _void: createKeyword("void", {\n beforeExpr,\n prefix,\n startsExpr\n }),\n _delete:
createKeyword("delete", {\n beforeExpr,\n prefix,\n startsExpr\n });\n\nconst SCOPE_OTHER =
0b00000000,\n SCOPE_PROGRAM = 0b00000001,\n SCOPE_FUNCTION = 0b00000010,\n
SCOPE_ARROW = 0b00000100,\n SCOPE_SIMPLE_CATCH = 0b00001000,\n SCOPE_SUPER =
0b00010000,\n SCOPE_DIRECT_SUPER = 0b00100000,\n SCOPE_CLASS = 0b01000000,\n
SCOPE_TS_MODULE = 0b10000000,\n SCOPE_VAR = SCOPE_PROGRAM | SCOPE_FUNCTION |
SCOPE_TS_MODULE;\nconst BIND_KIND_VALUE = 0b000000000001,\n BIND_KIND_TYPE =
0b000000000010,\n BIND_SCOPE_VAR = 0b000000000100,\n BIND_SCOPE_LEXICAL =
0b000000001000,\n BIND_SCOPE_FUNCTION = 0b00000010000,\n BIND_FLAGS_NONE =
0b00001000000,\n BIND_FLAGS_CLASS = 0b00010000000,\n BIND_FLAGS_TS_ENUM =
0b00100000000,\n BIND_FLAGS_TS_CONST_ENUM = 0b01000000000,\n
BIND_FLAGS_TS_EXPORT_ONLY = 0b10000000000;\nconst BIND_CLASS = BIND_KIND_VALUE |
BIND_KIND_TYPE | BIND_SCOPE_LEXICAL | BIND_FLAGS_CLASS,\n BIND_LEXICAL =
BIND_KIND_VALUE | 0 | BIND_SCOPE_LEXICAL | 0,\n BIND_VAR = BIND_KIND_VALUE | 0 |
BIND_SCOPE_VAR | 0,\n BIND_FUNCTION = BIND_KIND_VALUE | 0 | BIND_SCOPE_FUNCTION | 0,\n
BIND_TS_INTERFACE = 0 | BIND_KIND_TYPE | 0 | BIND_FLAGS_CLASS,\n BIND_TS_TYPE = 0 |
BIND_KIND_TYPE | 0 | 0,\n BIND_TS_ENUM = BIND_KIND_VALUE | BIND_KIND_TYPE |
BIND_SCOPE_LEXICAL | BIND_FLAGS_TS_ENUM,\n BIND_TS_AMBIENT = 0 | 0 | 0 |
BIND_FLAGS_TS_EXPORT_ONLY,\n BIND_NONE = 0 | 0 | 0 | BIND_FLAGS_NONE,\n
BIND_OUTSIDE = BIND_KIND_VALUE | 0 | 0 | BIND_FLAGS_NONE,\n BIND_TS_CONST_ENUM =
BIND_TS_ENUM | BIND_FLAGS_TS_CONST_ENUM,\n BIND_TS_NAMESPACE = 0 | 0 | 0 |
BIND_FLAGS_TS_EXPORT_ONLY;\nconst CLASS_ELEMENT_FLAG_STATIC = 0b100,\n
CLASS_ELEMENT_KIND_GETTER = 0b010,\n CLASS_ELEMENT_KIND_SETTER = 0b001,\n
CLASS_ELEMENT_KIND_ACCESSOR = CLASS_ELEMENT_KIND_GETTER |
CLASS_ELEMENT_KIND_SETTER;\nconst CLASS_ELEMENT_STATIC_GETTER =
CLASS_ELEMENT_KIND_GETTER | CLASS_ELEMENT_FLAG_STATIC,\n
CLASS_ELEMENT_STATIC_SETTER = CLASS_ELEMENT_KIND_SETTER |
CLASS_ELEMENT_FLAG_STATIC,\n CLASS_ELEMENT_INSTANCE_GETTER =
CLASS_ELEMENT_KIND_GETTER,\n CLASS_ELEMENT_INSTANCE_SETTER =
CLASS_ELEMENT_KIND_SETTER,\n CLASS_ELEMENT_OTHER = 0;\n\nconst lineBreak =
/\r\n?[\n\u2028\u2029]/;\nconst lineBreakG = new RegExp(lineBreak.source, "g");\nfunction isNewLine(code)
{\n switch (code) {\n case 10:\n case 13:\n case 8232:\n case 8233:\n return true;\n\n default:\n
return false;\n }\n}\nconst skipWhiteSpace = /(?:\s|\\[\u2028\u2029])/g;\nfunction isWhitespace(code) {\n
switch (code) {\n case 0x0009:\n case 0x000b:\n case 0x000c:\n case 32:\n case 160:\n case 5760:\n
case 0x2000:\n case 0x2001:\n case 0x2002:\n case 0x2003:\n case 0x2004:\n case 0x2005:\n case

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0x2006:\n case 0x2007:\n case 0x2008:\n case 0x2009:\n case 0x200a:\n case 0x202f:\n case 0x205f:\n
case 0x3000:\n case 0xfeff:\n return true;\n\n default:\n return false;\n }\n}\n\nclass Position {\n
constructor(line, col) {\n this.line = void 0;\n this.column = void 0;\n this.line = line;\n this.column = col;\n
}\n}\n\nclass SourceLocation {\n constructor(start, end) {\n this.start = void 0;\n this.end = void 0;\n
this.filename = void 0;\n this.identifierName = void 0;\n this.start = start;\n this.end = end;\n }\n}\n\nfunction
getLineInfo(input, offset) {\n let line = 1;\n let lineStart = 0;\n let match;\n lineBreakG.lastIndex = 0;\n\n while
((match = lineBreakG.exec(input)) && match.index < offset) {\n line++;\n lineStart = lineBreakG.lastIndex;\n
}\n\n return new Position(line, offset - lineStart);\n}\n}\n\nclass BaseParser {\n constructor() {\n
this.sawUnambiguousESM = false;\n this.ambiguousScriptDifferentAst = false;\n }\n\n hasPlugin(name) {\n
return this.plugins.has(name);\n }\n\n getPluginOption(plugin, name) {\n if (this.hasPlugin(plugin)) return
this.plugins.get(plugin)[name];\n }\n}\n\nfunction last(stack) {\n return stack[stack.length - 1];\n}\n}\n\nclass
CommentsParser extends BaseParser {\n addComment(comment) {\n if (this.filename) comment.loc.filename =
this.filename;\n this.state.trailingComments.push(comment);\n this.state.leadingComments.push(comment);\n
}\n\n adjustCommentsAfterTrailingComma(node, elements, takeAllComments) {\n if
(this.state.leadingComments.length === 0) {\n return;\n }\n\n let lastElement = null;\n let i =
elements.length;\n\n while (lastElement === null && i > 0) {\n lastElement = elements[--i];\n }\n\n if
(lastElement === null) {\n return;\n }\n\n for (let j = 0; j < this.state.leadingComments.length; j++) {\n if
(this.state.leadingComments[j].end < this.state.commentPreviousNode.end) {\n
this.state.leadingComments.splice(j, 1);\n j--;\n }\n }\n\n const newTrailingComments = [];\n\n for (let
i = 0; i < this.state.leadingComments.length; i++) {\n const leadingComment =
this.state.leadingComments[i];\n\n if (leadingComment.end < node.end) {\n
newTrailingComments.push(leadingComment);\n\n if (!takeAllComments) {\n
this.state.leadingComments.splice(i, 1);\n i--;\n }\n } else {\n if (node.trailingComments ===
undefined) {\n node.trailingComments = [];\n }\n\n node.trailingComments.push(leadingComment);\n
}\n }\n\n if (takeAllComments) this.state.leadingComments = [];\n\n if (newTrailingComments.length > 0)
{\n lastElement.trailingComments = newTrailingComments;\n } else if (lastElement.trailingComments !==
undefined) {\n lastElement.trailingComments = [];\n }\n }\n\n processComment(node) {\n if (node.type ===
"Program" && node.body.length > 0) return;\n\n const stack = this.state.commentStack;\n let firstChild,
lastChild, trailingComments, i, j;\n\n if (this.state.trailingComments.length > 0) {\n if
(this.state.trailingComments[0].start >= node.end) {\n trailingComments = this.state.trailingComments;\n
this.state.trailingComments = [];\n } else {\n this.state.trailingComments.length = 0;\n }\n } else if
(stack.length > 0) {\n const lastInStack = last(stack);\n\n if (lastInStack.trailingComments &&
lastInStack.trailingComments[0].start >= node.end) {\n trailingComments = lastInStack.trailingComments;\n
delete lastInStack.trailingComments;\n }\n }\n\n if (stack.length > 0 && last(stack).start >= node.start) {\n
firstChild = stack.pop();\n }\n\n while (stack.length > 0 && last(stack).start >= node.start) {\n lastChild =
stack.pop();\n }\n\n if (!lastChild && firstChild) lastChild = firstChild;\n\n if (firstChild) {\n switch
(node.type) {\n case "ObjectExpression":\n this.adjustCommentsAfterTrailingComma(node,
node.properties);\n break;\n\n case "ObjectPattern":\n
this.adjustCommentsAfterTrailingComma(node, node.properties, true);\n break;\n\n case
"CallExpression":\n this.adjustCommentsAfterTrailingComma(node, node.arguments);\n break;\n\n
case "ArrayExpression":\n this.adjustCommentsAfterTrailingComma(node, node.elements);\n
break;\n\n case "ArrayPattern":\n this.adjustCommentsAfterTrailingComma(node, node.elements,
true);\n break;\n }\n } else if (this.state.commentPreviousNode &&
(this.state.commentPreviousNode.type === "ImportSpecifier" && node.type !== "ImportSpecifier" ||
this.state.commentPreviousNode.type === "ExportSpecifier" && node.type !== "ExportSpecifier")) {\n
this.adjustCommentsAfterTrailingComma(node, [this.state.commentPreviousNode]);\n }\n\n if (lastChild) {\n
if (lastChild.leadingComments) {\n if (lastChild !== node && lastChild.leadingComments.length > 0 &&
last(lastChild.leadingComments).end <= node.start) {\n node.leadingComments =

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lastChild.leadingComments;\n      delete lastChild.leadingComments;\n    } else {\n      for (i =
lastChild.leadingComments.length - 2; i >= 0; --i) {\n        if (lastChild.leadingComments[i].end <= node.start)
{\n          node.leadingComments = lastChild.leadingComments.splice(0, i + 1);\n          break;\n        }\n      }\n    } else if (this.state.leadingComments.length > 0) {\n      if (last(this.state.leadingComments).end
<= node.start) {\n        if (this.state.commentPreviousNode) {\n          for (j = 0; j <
this.state.leadingComments.length; j++) {\n            if (this.state.leadingComments[j].end <
this.state.commentPreviousNode.end) {\n              this.state.leadingComments.splice(j, 1);\n              j--;\n            }\n          }\n          if (this.state.leadingComments.length > 0) {\n            node.leadingComments =
this.state.leadingComments;\n            this.state.leadingComments = [];\n          } else {\n            for (i = 0; i <
this.state.leadingComments.length; i++) {\n              if (this.state.leadingComments[i].end > node.start) {\n
break;\n            }\n          }\n          const leadingComments = this.state.leadingComments.slice(0, i);\n          if
(leadingComments.length) {\n            node.leadingComments = leadingComments;\n          }\n          trailingComments = this.state.leadingComments.slice(i);\n          if (trailingComments.length === 0) {\n
trailingComments = null;\n          }\n          }\n          }\n          this.state.commentPreviousNode = node;\n          if
(trailingComments) {\n            if (trailingComments.length && trailingComments[0].start >= node.start &&
last(trailingComments).end <= node.end) {\n              node.innerComments = trailingComments;\n            } else {\n
const firstTrailingCommentIndex = trailingComments.findIndex(comment => comment.end >= node.end);\n          if
(firstTrailingCommentIndex > 0) {\n            node.innerComments = trailingComments.slice(0,
firstTrailingCommentIndex);\n            node.trailingComments =
trailingComments.slice(firstTrailingCommentIndex);\n          } else {\n            node.trailingComments =
trailingComments;\n          }\n          }\n          }\n          stack.push(node);\n        }\n      }\n    }\n  }\n  const ErrorMessages =
Object.freeze({\n    AccessorIsGenerator: "A %0ter cannot be a generator",\n    ArgumentsInClass: "'arguments' is
only allowed in functions and class methods",\n    AsyncFunctionInSingleStatementContext: "Async functions can
only be declared at the top level or inside a block",\n    AwaitBindingIdentifier: "Can not use 'await' as identifier
inside an async function",\n    AwaitExpressionFormalParameter: "await is not allowed in async function
parameters",\n    AwaitNotInAsyncContext: "'await' is only allowed within async functions and at the top levels of
modules",\n    AwaitNotInAsyncFunction: "'await' is only allowed within async functions",\n    BadGetterArity:
"getter must not have any formal parameters",\n    BadSetterArity: "setter must have exactly one formal
parameter",\n    BadSetterRestParameter: "setter function argument must not be a rest parameter",\n    ConstructorClassField: "Classes may not have a field named 'constructor'",\n    ConstructorClassPrivateField:
"Classes may not have a private field named '#constructor'",\n    ConstructorIsAccessor: "Class constructor may not
be an accessor",\n    ConstructorIsAsync: "Constructor can't be an async function",\n    ConstructorIsGenerator:
"Constructor can't be a generator",\n    DeclarationMissingInitializer: "%0 require an initialization value",\n    DecoratorBeforeExport: "Decorators must be placed *before* the 'export' keyword. You can set the
'decoratorsBeforeExport' option to false to use the 'export @decorator class {}' syntax",\n    DecoratorConstructor:
"Decorators can't be used with a constructor. Did you mean '@dec class { ... }?'",\n    DecoratorExportClass:
"Using the export keyword between a decorator and a class is not allowed. Please use `export @dec class`
instead.",\n    DecoratorSemicolon: "Decorators must not be followed by a semicolon",\n    DecoratorStaticBlock:
"Decorators can't be used with a static block",\n    DeletePrivateField: "Deleting a private field is not allowed",\n    DestructureNamedImport: "ES2015 named imports do not destructure. Use another statement for destructuring after
the import.",\n    DuplicateConstructor: "Duplicate constructor in the same class",\n    DuplicateDefaultExport:
"Only one default export allowed per module.",\n    DuplicateExport: "%0` has already been exported. Exported
identifiers must be unique.",\n    DuplicateProto: "Redefinition of __proto__ property",\n    DuplicateRegExpFlags:
"Duplicate regular expression flag",\n    DuplicateStaticBlock: "Duplicate static block in the same class",\n    ElementAfterRest: "Rest element must be last element",\n    EscapedCharNotAnIdentifier: "Invalid Unicode
escape",\n    ExportBindingIsString: "A string literal cannot be used as an exported binding without `from`. Did
you mean `export { %0 as '%1' } from 'some-module`?",\n    ExportDefaultFromAsIdentifier: "'from' is not allowed
as an identifier after 'export default'",\n    ForInOfLoopInitializer: "%0 loop variable declaration may not have an

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initializer",\n GeneratorInSingleStatementContext: \"Generators can only be declared at the top level or inside a block\", \n IllegalBreakContinue: \"Unsyntactic %0\", \n IllegalLanguageModeDirective: \"Illegal 'use strict' directive in function with non-simple parameter list\", \n IllegalReturn: \"'return' outside of function\", \n ImportBindingIsString: 'A string literal cannot be used as an imported binding.\n- Did you mean `import { \"%0\" as foo }`?', \n ImportCallArgumentTrailingComma: \"Trailing comma is disallowed inside import(...) arguments\", \n ImportCallAriy: \"import() requires exactly %0\", \n ImportCallNotNewExpression: \"Cannot use new with import(...)\", \n ImportCallSpreadArgument: \"... is not allowed in import()\", \n ImportMetaOutsideModule: `import.meta may appear only with 'sourceType: \"module\"`, \n ImportOutsideModule: `import` and `export` may appear only with 'sourceType: \"module\"`, \n InvalidBigIntLiteral: \"Invalid BigIntLiteral\", \n InvalidCodePoint: \"Code point out of bounds\", \n InvalidDecimal: \"Invalid decimal\", \n InvalidDigit: \"Expected number in radix %0\", \n InvalidEscapeSequence: \"Bad character escape sequence\", \n InvalidEscapeSequenceTemplate: \"Invalid escape sequence in template\", \n InvalidEscapedReservedWord: \"Escape sequence in keyword %0\", \n InvalidIdentifier: \"Invalid identifier %0\", \n InvalidLhs: \"Invalid left-hand side in %0\", \n InvalidLhsBinding: \"Binding invalid left-hand side in %0\", \n InvalidNumber: \"Invalid number\", \n InvalidOrMissingExponent: \"Floating-point numbers require a valid exponent after the 'e'\", \n InvalidOrUnexpectedToken: \"Unexpected character %0\", \n InvalidParenthesizedAssignment: \"Invalid parenthesized assignment pattern\", \n InvalidPrivateFieldResolution: \"Private name #%0 is not defined\", \n InvalidPropertyBindingPattern: \"Binding member expression\", \n InvalidRecordProperty: \"Only properties and spread elements are allowed in record definitions\", \n InvalidRestAssignmentPattern: \"Invalid rest operator's argument\", \n LabelRedeclaration: \"Label '%0' is already declared\", \n LetInLexicalBinding: \"'let' is not allowed to be used as a name in 'let' or 'const' declarations.\", \n LineTerminatorBeforeArrow: \"No line break is allowed before '=>\", \n MalformedRegExpFlags: \"Invalid regular expression flag\", \n MissingClassName: \"A class name is required\", \n MissingEqInAssignment: \"Only '=' operator can be used for specifying default value.\", \n MissingUnicodeEscape: \"Expecting Unicode escape sequence \\uXXXX\", \n MixingCoalesceWithLogical: \"Nullish coalescing operator(??) requires parens when mixing with logical operators\", \n ModuleAttributeDifferentFromType: \"The only accepted module attribute is `type`\", \n ModuleAttributeInvalidValue: \"Only string literals are allowed as module attribute values\", \n ModuleAttributesWithDuplicateKeys: 'Duplicate key \"%0\" is not allowed in module attributes', \n ModuleExportNameHasLoneSurrogate: \"An export name cannot include a lone surrogate, found '\\u%0\", \n ModuleExportUndefined: \"Export '%0' is not defined\", \n MultipleDefaultsInSwitch: \"Multiple default clauses\", \n NewlineAfterThrow: \"Illegal newline after throw\", \n NoCatchOrFinally: \"Missing catch or finally clause\", \n NumberIdentifier: \"Identifier directly after number\", \n NumericSeparatorInEscapeSequence: \"Numeric separators are not allowed inside unicode escape sequences or hex escape sequences\", \n ObsoleteAwaitStar: \"await* has been removed from the async functions proposal. Use Promise.all() instead.\", \n OptionalChainingNoNew: \"constructors in/after an Optional Chain are not allowed\", \n OptionalChainingNoTemplate: \"Tagged Template Literals are not allowed in optionalChain\", \n ParamDupe: \"Argument name clash\", \n PatternHasAccessor: \"Object pattern can't contain getter or setter\", \n PatternHasMethod: \"Object pattern can't contain methods\", \n PipelineBodyNoArrow: 'Unexpected arrow \"=>\" after pipeline body; arrow function in pipeline body must be parenthesized', \n PipelineBodySequenceExpression: \"Pipeline body may not be a comma-separated sequence expression\", \n PipelineHeadSequenceExpression: \"Pipeline head should not be a comma-separated sequence expression\", \n PipelineTopicUnused: \"Pipeline is in topic style but does not use topic reference\", \n PrimaryTopicNotAllowed: \"Topic reference was used in a lexical context without topic binding\", \n PrimaryTopicRequiresSmartPipeline: \"Primary Topic Reference found but pipelineOperator not passed 'smart' for 'proposal' option.\", \n PrivateInExpectedIn: \"Private names are only allowed in property accesses (obj.#%0) or in `in` expressions (.%0 in obj)\", \n PrivateNameRedeclaration: \"Duplicate private name #%0\", \n RecordExpressionBarIncorrectEndSyntaxType: \"Record expressions ending with `}` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'\", \n RecordExpressionBarIncorrectStartSyntaxType: \"Record expressions starting with `{` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'\", \n

RecordExpressionHashIncorrectStartSyntaxType: \"Record expressions starting with '#{'} are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'\",\n RecordNoProto: \"'__proto__' is not allowed in Record expressions\",\n RestTrailingComma: \"Unexpected trailing comma after rest element\",\n SloppyFunction: \"In non-strict mode code, functions can only be declared at top level, inside a block, or as the body of an if statement\",\n StaticPrototype: \"Classes may not have static property named prototype\",\n StrictDelete: \"Deleting local variable in strict mode\",\n StrictEvalArguments: \"Assigning to '%0' in strict mode\",\n StrictEvalArgumentsBinding: \"Binding '%0' in strict mode\",\n StrictFunction: \"In strict mode code, functions can only be declared at top level or inside a block\",\n StrictNumericEscape: \"The only valid numeric escape in strict mode is '\\\\0'\",\n StrictOctalLiteral: \"Legacy octal literals are not allowed in strict mode\",\n StrictWith: \"'with' in strict mode\",\n SuperNotAllowed: \"super() is only valid inside a class constructor of a subclass. Maybe a typo in the method name ('constructor') or not extending another class?\",\n SuperPrivateField: \"Private fields can't be accessed on super\",\n TrailingDecorator: \"Decorators must be attached to a class element\",\n TupleExpressionBarIncorrectEndSyntaxType: \"Tuple expressions ending with '|' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'\",\n TupleExpressionBarIncorrectStartSyntaxType: \"Tuple expressions starting with '|' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'\",\n TupleExpressionHashIncorrectStartSyntaxType: \"Tuple expressions starting with '#{'} are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'\",\n UnexpectedArgumentPlaceholder: \"Unexpected argument placeholder\",\n UnexpectedAwaitAfterPipelineBody: \"Unexpected 'await' after pipeline body; await must have parentheses in minimal proposal\",\n UnexpectedDigitAfterHash: \"Unexpected digit after hash token\",\n UnexpectedImportExport: \"'import' and 'export' may only appear at the top level\",\n UnexpectedKeyword: \"Unexpected keyword '%0'\",\n UnexpectedLeadingDecorator: \"Leading decorators must be attached to a class declaration\",\n UnexpectedLexicalDeclaration: \"Lexical declaration cannot appear in a single-statement context\",\n UnexpectedNewTarget: \"new.target can only be used in functions\",\n UnexpectedNumericSeparator: \"A numeric separator is only allowed between two digits\",\n UnexpectedPrivateField: \"Private names can only be used as the name of a class element (i.e. class C { #p = 42; #m() { } })\n or a property of member expression (i.e. this.#p).\",\n UnexpectedReservedWord: \"Unexpected reserved word '%0'\",\n UnexpectedSuper: \"super is only allowed in object methods and classes\",\n UnexpectedToken: \"Unexpected token '%0'\",\n UnexpectedTokenUnaryExponentiation: \"Illegal expression. Wrap left hand side or entire exponentiation in parentheses.\",\n UnsupportedBind: \"Binding should be performed on object property.\",\n UnsupportedDecoratorExport: \"A decorated export must export a class declaration\",\n UnsupportedDefaultExport: \"Only expressions, functions or classes are allowed as the `default` export.\",\n UnsupportedImport: \"import can only be used in import() or import.meta\",\n UnsupportedMetaProperty: \"The only valid meta property for %0 is %0.%1\",\n UnsupportedParameterDecorator: \"Decorators cannot be used to decorate parameters\",\n UnsupportedPropertyDecorator: \"Decorators cannot be used to decorate object literal properties\",\n UnsupportedSuper: \"super can only be used with function calls (i.e. super()) or in property accesses (i.e. super.prop or super[prop])\",\n UnterminatedComment: \"Unterminated comment\",\n UnterminatedRegExp: \"Unterminated regular expression\",\n UnterminatedString: \"Unterminated string constant\",\n UnterminatedTemplate: \"Unterminated template\",\n VarRedeclaration: \"Identifier '%0' has already been declared\",\n YieldBindingIdentifier: \"Can not use 'yield' as identifier inside a generator\",\n YieldInParameter: \"Yield expression is not allowed in formal parameters\",\n ZeroDigitNumericSeparator: \"Numeric separator can not be used after leading 0\");\n\nclass ParserError extends CommentsParser {\n getLocationForPosition(pos) {\n let loc;\n if (pos === this.state.start) loc = this.state.startLoc;else if (pos === this.state.lastTokStart) loc = this.state.lastTokStartLoc;else if (pos === this.state.end) loc = this.state.endLoc;else if (pos === this.state.lastTokEnd) loc = this.state.lastTokEndLoc;else loc = getLineInfo(this.input, pos);\n return loc;\n }\n\n raise(pos, errorTemplate, ...params) {\n return this.raiseWithData(pos, undefined, errorTemplate, ...params);\n }\n\n raiseWithData(pos, data, errorTemplate, ...params) {\n const loc = this.getLocationForPosition(pos);\n const message = errorTemplate.replace(/%((\d+)/g, (_, i) => params[i]) + ` (\${loc.line}:\${loc.column})`;\n return

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this._raise(Object.assign({loc, pos}, data), message);
}
}
_raise(errorContext, message) {
const err = new SyntaxError(message);
Object.assign(err, errorContext);
if (this.options.errorRecovery) {
if (!this.isLookahead) this.state.errors.push(err);
return err;
} else {
throw err;
}
}
}
function isSimpleProperty(node) {
return node != null && node.type === "Property" && node.kind === "init" && node.method === false;
}
var estree = (superClass => class extends superClass {
estreeParseRegExpLiteral({pattern, flags}) {
let regex = null;
try {
regex = new RegExp(pattern, flags);
} catch (e) {}
const node = this.estreeParseLiteral(regex);
node.regex = {pattern, flags};
return node;
}
estreeParseBigIntLiteral(value) {
const bigInt = typeof BigInt !== "undefined" ? BigInt(value) : null;
const node = this.estreeParseLiteral(bigInt);
node.bigint = String(node.value || value);
return node;
}
estreeParseDecimalLiteral(value) {
const decimal = null;
const node = this.estreeParseLiteral(decimal);
node.decimal = String(node.value || value);
return node;
}
estreeParseLiteral(value) {
return this.parseLiteral(value, "Literal");
}
directiveToStmt(directive) {
const directiveLiteral = directive.value;
const stmt = this.startNodeAt(directive.start, directive.loc.start);
const expression = this.startNodeAt(directiveLiteral.start, directiveLiteral.loc.start);
expression.value = directiveLiteral.value;
expression.raw = directiveLiteral.extra.raw;
stmt.expression = this.finishNodeAt(expression, "Literal", directiveLiteral.end, directiveLiteral.loc.end);
stmt.directive = directiveLiteral.extra.raw.slice(1, -1);
return this.finishNodeAt(stmt, "ExpressionStatement", directive.end, directive.loc.end);
}
initFunction(node, isAsync) {
super.initFunction(node, isAsync);
node.expression = false;
}
checkDeclaration(node) {
if (isSimpleProperty(node)) {
this.checkDeclaration(node.value);
} else {
super.checkDeclaration(node);
}
}
getObjOrClassMethodParams(method) {
return method.value.params;
}
checkLVal(expr, bindingType = BIND_NONE, checkClashes, contextDescription, disallowLetBinding) {
switch (expr.type) {
case "ObjectPattern":
expr.properties.forEach(prop => {
this.checkLVal(prop.type === "Property" ? prop.value : prop, bindingType, checkClashes, "object destructuring pattern", disallowLetBinding);
});
break;
default:
super.checkLVal(expr, bindingType, checkClashes, contextDescription, disallowLetBinding);
}
}
checkProto(prop, isRecord, protoRef, refExpressionErrors) {
if (prop.method) {
return;
}
super.checkProto(prop, isRecord, protoRef, refExpressionErrors);
}
isValidDirective(stmt) {
var _stmt$expression$extr;
return stmt.type === "ExpressionStatement" && stmt.expression.type === "Literal" && typeof stmt.expression.value === "string" && !((_stmt$expression$extr = stmt.expression.extra) == null ? void 0 : _stmt$expression$extr.parenthesized);
}
stmtToDirective(stmt) {
const directive = super.stmtToDirective(stmt);
const value = stmt.expression.value;
directive.value.value = value;
return directive;
}
parseBlockBody(node, allowDirectives, topLevel, end) {
super.parseBlockBody(node, allowDirectives, topLevel, end);
const directiveStatements = node.directives.map(d => this.directiveToStmt(d));
node.body = directiveStatements.concat(node.body);
delete node.directives;
}
pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {
this.parseMethod(method, isGenerator, isAsync, isConstructor, allowsDirectSuper, "ClassMethod", true);
if (method.typeParameters) {
method.value.typeParameters = method.typeParameters;
delete method.typeParameters;
}
classBody.body.push(method);
}
parseExprAtom(refExpressionErrors) {
switch (this.state.type) {
case types.num:
case types.string:
return this.estreeParseLiteral(this.state.value);
case types.regexp:
return this.estreeParseRegExpLiteral(this.state.value);
case types.bigint:
return this.estreeParseBigIntLiteral(this.state.value);
case types.decimal:
return this.estreeParseDecimalLiteral(this.state.value);
case types._null:
return this.estreeParseLiteral(null);
case types._true:
return this.estreeParseLiteral(true);
case types._false:
return this.estreeParseLiteral(false);
default:
return super.parseExprAtom(refExpressionErrors);
}
}
parseLiteral(value, type, startPos, startLoc) {
const node = super.parseLiteral(value, type, startPos, startLoc);
node.raw = node.extra.raw;
delete node.extra;
return node;
}
parseFunctionBody(node, allowExpression, isMethod = false) {
}
}
}

```

```

super.parseFunctionBody(node, allowExpression, isMethod);\n  node.expression = node.body.type !==
  \"BlockStatement\";\n }\n\n parseMethod(node, isGenerator, isAsync, isConstructor, allowDirectSuper, type,
inClassScope = false) {\n  let funcNode = this.startNode();\n  funcNode.kind = node.kind;\n  funcNode =
  super.parseMethod(funcNode, isGenerator, isAsync, isConstructor, allowDirectSuper, type, inClassScope);\n
  funcNode.type = \"FunctionExpression\";\n  delete funcNode.kind;\n  node.value = funcNode;\n  type = type
  === \"ClassMethod\" ? \"MethodDefinition\" : type;\n  return this.finishNode(node, type);\n }\n\n
parseObjectMethod(prop, isGenerator, isAsync, isPattern, isAccessor) {\n  const node =
  super.parseObjectMethod(prop, isGenerator, isAsync, isPattern, isAccessor);\n\n  if (node) {\n    node.type =
  \"Property\";\n    if (node.kind === \"method\") node.kind = \"init\";\n    node.shorthand = false;\n  }\n\n  return
  node;\n }\n\n parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors) {\n  const node =
  super.parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors);\n\n  if (node) {\n    node.kind
  = \"init\";\n    node.type = \"Property\";\n  }\n\n  return node;\n }\n\n toAssignable(node) {\n  if
  (isSimpleProperty(node)) {\n    this.toAssignable(node.value);\n    return node;\n  }\n\n  return
  super.toAssignable(node);\n }\n\n toAssignableObjectExpressionProp(prop, isLast) {\n  if (prop.kind === \"get\"
  || prop.kind === \"set\") {\n    throw this.raise(prop.key.start, ErrorMessages.PatternHasAccessor);\n  } else if
  (prop.method) {\n    throw this.raise(prop.key.start, ErrorMessages.PatternHasMethod);\n  } else {\n
  super.toAssignableObjectExpressionProp(prop, isLast);\n  }\n }\n\n finishCallExpression(node, optional) {\n
  super.finishCallExpression(node, optional);\n\n  if (node.callee.type === \"Import\") {\n    node.type =
  \"ImportExpression\";\n    node.source = node.arguments[0];\n    delete node.arguments;\n    delete
  node.callee;\n  }\n\n  return node;\n }\n\n toReferencedArguments(node) {\n  if (node.type ===
  \"ImportExpression\") {\n    return;\n  }\n\n  super.toReferencedArguments(node);\n }\n\n parseExport(node)
  {\n    super.parseExport(node);\n\n    switch (node.type) {\n      case \"ExportAllDeclaration\":\n        node.exported
  = null;\n        break;\n\n      case \"ExportNamedDeclaration\":\n        if (node.specifiers.length === 1 &&
  node.specifiers[0].type === \"ExportNamespaceSpecifier\") {\n          node.type = \"ExportAllDeclaration\";\n
  node.exported = node.specifiers[0].exported;\n          delete node.specifiers;\n        }\n        break;\n
      }\n\n    return
  node;\n  }\n\n parseSubscript(base, startPos, startLoc, noCalls, state) {\n  const node = super.parseSubscript(base,
  startPos, startLoc, noCalls, state);\n\n  if (state.optionalChainMember) {\n    if (node.type ===
  \"OptionalMemberExpression\" || node.type === \"OptionalCallExpression\") {\n      node.type =
  node.type.substring(8);\n    }\n\n    if (state.stop) {\n      const chain = this.startNodeAtNode(node);\n
  chain.expression = node;\n      return this.finishNode(chain, \"ChainExpression\");\n    }\n  } else if (node.type
  === \"MemberExpression\" || node.type === \"CallExpression\") {\n    node.optional = false;\n  }\n\n  return
  node;\n }\n\n};\n\nclass TokContext {\n  constructor(token, isExpr, preserveSpace, override) {\n    this.token =
  void 0;\n    this.isExpr = void 0;\n    this.preserveSpace = void 0;\n    this.override = void 0;\n    this.token = token;\n
  this.isExpr = !!isExpr;\n    this.preserveSpace = !!preserveSpace;\n    this.override = override;\n  }\n\n}\n\nconst
  types$1 = {\n  braceStatement: new TokContext(\"{\", false),\n  braceExpression: new TokContext(\"{\", true),\n
  recordExpression: new TokContext(\"#{\", true),\n  templateQuasi: new TokContext(\"${\", false),\n
  parenStatement: new TokContext(\"(\", false),\n  parenExpression: new TokContext(\"(\", true),\n  template: new
  TokContext(\"`\", true, true, p => p.readTplToken()),\n  functionExpression: new TokContext(\"function\", true),\n
  functionStatement: new TokContext(\"function\", false)};\n\nntypes.parenR.updateContext =
  types.braceR.updateContext = function () {\n  if (this.state.context.length === 1) {\n    this.state.exprAllowed =
  true;\n    return;\n  }\n\n  let out = this.state.context.pop();\n\n  if (out === types$1.braceStatement &&
  this.curContext().token === \"function\") {\n    out = this.state.context.pop();\n  }\n\n  this.state.exprAllowed =
  !out.isExpr;\n};\n\nntypes.name.updateContext = function (prevType) {\n  let allowed = false;\n\n  if (prevType !==
  types.dot) {\n    if (this.state.value === \"of\" && !this.state.exprAllowed && prevType !== types._function &&
  prevType !== types._class) {\n      allowed = true;\n    }\n  }\n\n  this.state.exprAllowed = allowed;\n\n  if
  (this.state.isIterator) {\n    this.state.isIterator = false;\n  }\n};\n\nntypes.braceL.updateContext = function (prevType)
  {\n  this.state.context.push(this.braceIsBlock(prevType) ? types$1.braceStatement : types$1.braceExpression);\n
  this.state.exprAllowed = true;\n};\n\nntypes.dollarBraceL.updateContext = function () {\n

```



```
this.state.context.push(types$1.templateQuasi);\n this.state.exprAllowed = true;\n};\n\nntypes.parenL.updateContext = function (prevType) {\n  const statementParens = prevType === types._if || prevType === types._for || prevType === types._with || prevType === types._while;\n  this.state.context.push(statementParens ? types$1.parenStatement : types$1.parenExpression);\n  this.state.exprAllowed = true;\n};\n\nntypes.incDec.updateContext = function () {\n};\n\nntypes._function.updateContext = types._class.updateContext = function (prevType) {\n  if (prevType.beforeExpr && prevType !== types.semi && prevType !== types._else && !(prevType === types._return && this.hasPrecedingLineBreak()) && !((prevType === types.colon || prevType === types.braceL) && this.curContext() === types$1.b_stat)) {\n    this.state.context.push(types$1.functionExpression);\n  } else {\n    this.state.context.push(types$1.functionStatement);\n  }\n\n  this.state.exprAllowed = false;\n};\n\nntypes.backQuote.updateContext = function () {\n  if (this.curContext() === types$1.template) {\n    this.state.context.pop();\n  } else {\n    this.state.context.push(types$1.template);\n  }\n\n  this.state.exprAllowed = false;\n};\n\nntypes.braceHashL.updateContext = function () {\n  this.state.context.push(types$1.recordExpression);\n  this.state.exprAllowed = true;\n};\n\nlet nonASCIIIdentifierStartChars = \"\\\"\\xaa\\xb5\\xba\\xc0-\\xd6\\xd8-\\xf6\\xf8-\\u02c1\\u02c6-\\u02d1\\u02e0-\\u02e4\\u02ec\\u02ee\\u0370-\\u0374\\u0376\\u0377\\u037a-\\u037d\\u037f\\u0386\\u0388-\\u038a\\u038c\\u038e-\\u03a1\\u03a3-\\u03f5\\u03f7-\\u0481\\u048a-\\u052f\\u0531-\\u0556\\u0559\\u0560-\\u0588\\u05d0-\\u05ea\\u05ef-\\u05f2\\u0620-\\u064a\\u066e\\u066f\\u0671-\\u06d3\\u06d5\\u06e5\\u06e6\\u06ee\\u06ef\\u06fa-\\u06fc\\u06ff\\u0710\\u0712-\\u072f\\u074d-\\u07a5\\u07b1\\u07ca-\\u07ea\\u07f4\\u07f5\\u07fa\\u0800-\\u0815\\u081a\\u0824\\u0828\\u0840-\\u0858\\u0860-\\u086a\\u08a0-\\u08b4\\u08b6-\\u08c7\\u0904-\\u0939\\u093d\\u0950\\u0958-\\u0961\\u0971-\\u0980\\u0985-\\u098c\\u098f\\u0990\\u0993-\\u09a8\\u09aa-\\u09b0\\u09b2\\u09b6-\\u09b9\\u09bd\\u09ce\\u09dc\\u09dd\\u09df-\\u09e1\\u09f0\\u09f1\\u09fc\\u0a05-\\u0a0a\\u0a0f\\u0a10\\u0a13-\\u0a28\\u0a2a-\\u0a30\\u0a32\\u0a33\\u0a35\\u0a36\\u0a38\\u0a39\\u0a59-\\u0a5c\\u0a5e\\u0a72-\\u0a74\\u0a85-\\u0a8d\\u0a8f-\\u0a91\\u0a93-\\u0aa8\\u0aaa-\\u0ab0\\u0ab2\\u0ab3\\u0ab5-\\u0ab9\\u0abd\\u0ad0\\u0ae0\\u0ae1\\u0af9\\u0b05-\\u0b0c\\u0b0f\\u0b10\\u0b13-\\u0b28\\u0b2a-\\u0b30\\u0b32\\u0b33\\u0b35-\\u0b39\\u0b3d\\u0b5c\\u0b5d\\u0b5f-\\u0b61\\u0b71\\u0b83\\u0b85-\\u0b8a\\u0b8e-\\u0b90\\u0b92-\\u0b95\\u0b99\\u0b9a\\u0b9c\\u0b9e\\u0b9f\\u0ba3\\u0ba4\\u0ba8-\\u0baa\\u0bae-\\u0bb9\\u0bd0\\u0c05-\\u0c0c\\u0c0e-\\u0c10\\u0c12-\\u0c28\\u0c2a-\\u0c39\\u0c3d\\u0c58-\\u0c5a\\u0c60\\u0c61\\u0c80\\u0c85-\\u0c8c\\u0c8e-\\u0c90\\u0c92-\\u0ca8\\u0caa-\\u0cb3\\u0cb5-\\u0cb9\\u0cbd\\u0cde\\u0ce0\\u0ce1\\u0cf1\\u0cf2\\u0d04-\\u0d0c\\u0d0e-\\u0d10\\u0d12-\\u0d3a\\u0d3d\\u0d4e\\u0d54-\\u0d56\\u0d5f-\\u0d61\\u0d7a-\\u0d7f\\u0d85-\\u0d96\\u0d9a-\\u0db1\\u0db3-\\u0dbb\\u0dbd\\u0dc0-\\u0dc6\\u0e01-\\u0e30\\u0e32\\u0e33\\u0e40-\\u0e46\\u0e81\\u0e82\\u0e84\\u0e86-\\u0e8a\\u0e8c-\\u0ea3\\u0ea5\\u0ea7-\\u0eb0\\u0eb2\\u0eb3\\u0ebd\\u0ec0-\\u0ec4\\u0ec6\\u0edc-\\u0edf\\u0f00\\u0f40-\\u0f47\\u0f49-\\u0f6c\\u0f88-\\u0f8c\\u1000-\\u102a\\u103f\\u1050-\\u1055\\u105a-\\u105d\\u1061\\u1065\\u1066\\u106e-\\u1070\\u1075-\\u1081\\u108e\\u10a0-\\u10c5\\u10c7\\u10cd\\u10d0-\\u10fa\\u10fc-\\u1248\\u124a-\\u124d\\u1250-\\u1256\\u1258\\u125a-\\u125d\\u1260-\\u1288\\u128a-\\u128d\\u1290-\\u12b0\\u12b2-\\u12b5\\u12b8-\\u12be\\u12c0\\u12c2-\\u12c5\\u12c8-\\u12d6\\u12d8-\\u1310\\u1312-\\u1315\\u1318-\\u135a\\u1380-\\u138f\\u13a0-\\u13f5\\u13f8-\\u13fd\\u1401-\\u166c\\u166f-\\u167f\\u1681-\\u169a\\u16a0-\\u16ea\\u16ee-\\u16f8\\u1700-\\u170c\\u170e-\\u1711\\u1720-\\u1731\\u1740-\\u1751\\u1760-\\u176c\\u176e-\\u1770\\u1780-\\u17b3\\u17d7\\u17dc\\u1820-\\u1878\\u1880-\\u18a8\\u18aa\\u18b0-\\u18f5\\u1900-\\u191e\\u1950-\\u196d\\u1970-\\u1974\\u1980-\\u19ab\\u19b0-\\u19c9\\u1a00-\\u1a16\\u1a20-\\u1a54\\u1aa7\\u1b05-\\u1b33\\u1b45-\\u1b4b\\u1b83-\\u1ba0\\u1bae\\u1baf\\u1bba-\\u1be5\\u1c00-\\u1c23\\u1c4d-\\u1c4f\\u1c5a-\\u1c7d\\u1c80-\\u1c88\\u1c90-\\u1cba\\u1cbd-\\u1cbf\\u1ce9-\\u1cec\\u1cee-\\u1cf3\\u1cf5\\u1cf6\\u1cfa\\u1d00-\\u1dbf\\u1e00-\\u1f15\\u1f18-\\u1f1d\\u1f20-\\u1f45\\u1f48-\\u1f4d\\u1f50-\\u1f57\\u1f59\\u1f5b\\u1f5d\\u1f5f-\\u1f7d\\u1f80-\\u1fb4\\u1fb6-\\u1fbc\\u1fbe\\u1fc2-\\u1fc4\\u1fc6-\\u1fcc\\u1fd0-\\u1fd3\\u1fd6-\\u1fdb\\u1fe0-\\u1fec\\u1ff2-\\u1ff4\\u1ff6-\\u1ffc\\u2071\\u207f\\u2090-\\u209c\\u2102\\u2107\\u210a-\\u2113\\u2115\\u2118-\\u211d\\u2124\\u2126\\u2128\\u212a-\\u2139\\u213c-\\u213f\\u2145-\\u2149\\u214e\\u2160-\\u2188\\u2c00-\\u2c2e\\u2c30-\\u2c5e\\u2c60-\\u2ce4\\u2ceb-\\u2cee\\u2cf2\\u2cf3\\u2d00-\\u2d25\\u2d27\\u2d2d\\u2d30-
```

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\\uffd7\\uffda-\\uffdc";\nlet nonASCIIIdentifierChars = '\\u200c\\u200d\\xb7\\u0300-\\u036f\\u0387\\u0483-
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\\uaab4\\uaab7\\uaab8\\uaabe\\uaabf\\uaac1\\uaaeb-\\uaaef\\uaaf5\\uaaf6\\uaabe3-\\uaabea\\uaabec\\uaabed\\uaabf0-
\\uaabf9\\ufb1e\\ufe00-\\ufe0f\\ufe20-\\ufe2f\\ufe33\\ufe34\\ufe4d-\\ufe4f\\uff10-\\uff19\\uff3f";\nconst
nonASCIIIdentifierStart = new RegExp("\\[" + nonASCIIIdentifierStartChars + "\\]");\nconst nonASCIIIdentifier =
new RegExp("\\[" + nonASCIIIdentifierStartChars + nonASCIIIdentifierChars +
"\\]");\nnonASCIIIdentifierStartChars = nonASCIIIdentifierChars = null;\nconst astralIdentifierStartCodes = [0, 11,

```

2, 25, 2, 18, 2, 1, 2, 14, 3, 13, 35, 122, 70, 52, 268, 28, 4, 48, 48, 31, 14, 29, 6, 37, 11, 29, 3, 35, 5, 7, 2, 4, 43, 157,
19, 35, 5, 35, 5, 39, 9, 51, 157, 310, 10, 21, 11, 7, 153, 5, 3, 0, 2, 43, 2, 1, 4, 0, 3, 22, 11, 22, 10, 30, 66, 18, 2, 1, 11,
21, 11, 25, 71, 55, 7, 1, 65, 0, 16, 3, 2, 2, 28, 43, 28, 4, 28, 36, 7, 2, 27, 28, 53, 11, 21, 11, 18, 14, 17, 111, 72, 56,
50, 14, 50, 14, 35, 349, 41, 7, 1, 79, 28, 11, 0, 9, 21, 107, 20, 28, 22, 13, 52, 76, 44, 33, 24, 27, 35, 30, 0, 3, 0, 9, 34,
4, 0, 13, 47, 15, 3, 22, 0, 2, 0, 36, 17, 2, 24, 85, 6, 2, 0, 2, 3, 2, 14, 2, 9, 8, 46, 39, 7, 3, 1, 3, 21, 2, 6, 2, 1, 2, 4, 4, 0,
19, 0, 13, 4, 159, 52, 19, 3, 21, 2, 31, 47, 21, 1, 2, 0, 185, 46, 42, 3, 37, 47, 21, 0, 60, 42, 14, 0, 72, 26, 230, 43, 117,
63, 32, 7, 3, 0, 3, 7, 2, 1, 2, 23, 16, 0, 2, 0, 95, 7, 3, 38, 17, 0, 2, 0, 29, 0, 11, 39, 8, 0, 22, 0, 12, 45, 20, 0, 35, 56, 264,
8, 2, 36, 18, 0, 50, 29, 113, 6, 2, 1, 2, 37, 22, 0, 26, 5, 2, 1, 2, 31, 15, 0, 328, 18, 190, 0, 80, 921, 103, 110, 18, 195,
2749, 1070, 4050, 582, 8634, 568, 8, 30, 114, 29, 19, 47, 17, 3, 32, 20, 6, 18, 689, 63, 129, 74, 6, 0, 67, 12, 65, 1, 2,
0, 29, 6135, 9, 1237, 43, 8, 8952, 286, 50, 2, 18, 3, 9, 395, 2309, 106, 6, 12, 4, 8, 8, 9, 5991, 84, 2, 70, 2, 1, 3, 0, 3, 1,
3, 3, 2, 11, 2, 0, 2, 6, 2, 64, 2, 3, 3, 7, 2, 6, 2, 27, 2, 3, 2, 4, 2, 0, 4, 6, 2, 339, 3, 24, 2, 24, 2, 30, 2, 24, 2, 30, 2, 24, 2,
30, 2, 24, 2, 30, 2, 24, 2, 7, 2357, 44, 11, 6, 17, 0, 370, 43, 1301, 196, 60, 67, 8, 0, 1205, 3, 2, 26, 2, 1, 2, 0, 3, 0, 2, 9,
2, 3, 2, 0, 2, 0, 7, 0, 5, 0, 2, 0, 2, 0, 2, 2, 1, 2, 0, 3, 0, 2, 0, 2, 0, 2, 0, 2, 0, 2, 1, 2, 0, 3, 3, 2, 6, 2, 3, 2, 3, 2, 0, 2, 9, 2,
16, 6, 2, 2, 4, 2, 16, 4421, 42717, 35, 4148, 12, 221, 3, 5761, 15, 7472, 3104, 541, 1507, 4938];\nconst
astralIdentifierCodes = [509, 0, 227, 0, 150, 4, 294, 9, 1368, 2, 2, 1, 6, 3, 41, 2, 5, 0, 166, 1, 574, 3, 9, 9, 370, 1, 154,
10, 176, 2, 54, 14, 32, 9, 16, 3, 46, 10, 54, 9, 7, 2, 37, 13, 2, 9, 6, 1, 45, 0, 13, 2, 49, 13, 9, 3, 2, 11, 83, 11, 7, 0, 161,
11, 6, 9, 7, 3, 56, 1, 2, 6, 3, 1, 3, 2, 10, 0, 11, 1, 3, 6, 4, 4, 193, 17, 10, 9, 5, 0, 82, 19, 13, 9, 214, 6, 3, 8, 28, 1, 83, 16,
16, 9, 82, 12, 9, 9, 84, 14, 5, 9, 243, 14, 166, 9, 71, 5, 2, 1, 3, 3, 2, 0, 2, 1, 13, 9, 120, 6, 3, 6, 4, 0, 29, 9, 41, 6, 2, 3, 9,
0, 10, 10, 47, 15, 406, 7, 2, 7, 17, 9, 57, 21, 2, 13, 123, 5, 4, 0, 2, 1, 2, 6, 2, 0, 9, 9, 49, 4, 2, 1, 2, 4, 9, 9, 330, 3,
19306, 9, 135, 4, 60, 6, 26, 9, 1014, 0, 2, 54, 8, 3, 82, 0, 12, 1, 19628, 1, 5319, 4, 4, 5, 9, 7, 3, 6, 31, 3, 149, 2, 1418,
49, 513, 54, 5, 49, 9, 0, 15, 0, 23, 4, 2, 14, 1361, 6, 2, 16, 3, 6, 2, 1, 2, 4, 262, 6, 10, 9, 419, 13, 1495, 6, 110, 6, 6, 9,
4759, 9, 787719, 239];\n\nfunction isInAstralSet(code, set) {\n  let pos = 0x10000;\n  for (let i = 0, length =
set.length; i < length; i += 2) {\n    pos += set[i];\n    if (pos > code) return false;\n    pos += set[i + 1];\n    if (pos >=
code) return true;\n  }\n  return false;\n}\n\nfunction isIdentifierStart(code) {\n  if (code < 65) return code ===
36;\n  if (code <= 90) return true;\n  if (code < 97) return code === 95;\n  if (code <= 122) return true;\n  if (code
<= 0xffff) {\n    return code >= 0xaa && nonASCIIIdentifierStart.test(String.fromCharCode(code));\n  }\n  return
isInAstralSet(code, astralIdentifierStartCodes);\n}\n\nfunction isIdentifierChar(code) {\n  if (code < 48) return code
=== 36;\n  if (code < 58) return true;\n  if (code < 65) return false;\n  if (code <= 90) return true;\n  if (code < 97)
return code === 95;\n  if (code <= 122) return true;\n  if (code <= 0xffff) {\n    return code >= 0xaa &&
nonASCIIIdentifier.test(String.fromCharCode(code));\n  }\n  return isInAstralSet(code, astralIdentifierStartCodes)
|| isInAstralSet(code, astralIdentifierCodes);\n}\n\nconst reservedWords = {\n  keyword: [\"break\", \"case\",
\"catch\", \"continue\", \"debugger\", \"default\", \"do\", \"else\", \"finally\", \"for\", \"function\", \"if\", \"return\",
\"switch\", \"throw\", \"try\", \"var\", \"const\", \"while\", \"with\", \"new\", \"this\", \"super\", \"class\", \"extends\",
\"export\", \"import\", \"null\", \"true\", \"false\", \"in\", \"instanceof\", \"typeof\", \"void\", \"delete\"],\n  strict:
[\"implements\", \"interface\", \"let\", \"package\", \"private\", \"protected\", \"public\", \"static\", \"yield\"],\n  strictBind: [\"eval\", \"arguments\"]\n};\n\nconst keywords$1 = new Set(reservedWords.keyword);\n\nconst
reservedWordsStrictSet = new Set(reservedWords.strict);\n\nconst reservedWordsStrictBindSet = new
Set(reservedWords.strictBind);\n\nfunction isReservedWord(word, inModule) {\n  return inModule && word ===
\"await\" || word === \"enum\";\n}\n\nfunction isStrictReservedWord(word, inModule) {\n  return
isReservedWord(word, inModule) || reservedWordsStrictSet.has(word);\n}\n\nfunction
isStrictBindOnlyReservedWord(word) {\n  return reservedWordsStrictBindSet.has(word);\n}\n\nfunction
isStrictBindReservedWord(word, inModule) {\n  return isStrictReservedWord(word, inModule) ||
isStrictBindOnlyReservedWord(word);\n}\n\nfunction isKeyword(word) {\n  return
keywords$1.has(word);\n}\n\nconst keywordRelationalOperator = /^in(stanceof)?$/;\n\nfunction
isIteratorStart(current, next) {\n  return current === 64 && next === 64;\n}\n\nconst reservedTypes = new
Set([\"_\", \"any\", \"bool\", \"boolean\", \"empty\", \"extends\", \"false\", \"interface\", \"mixed\", \"null\",
\"number\", \"static\", \"string\", \"true\", \"typeof\", \"void\"]);\n\nconst FlowErrors = Object.freeze({\n  AmbiguousConditionalArrow: \"Ambiguous expression: wrap the arrow functions in parentheses to

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disambiguate.\",\n AmbiguousDeclareModuleKind: \"Found both `declare module.exports` and `declare export` in the same module. Modules can only have 1 since they are either an ES module or they are a CommonJS module\", \n AssignReservedType: \"Cannot overwrite reserved type %0\", \n DeclareClassElement: \"The `declare` modifier can only appear on class fields.\", \n DeclareClassFieldInitializer: \"Initializers are not allowed in fields with the `declare` modifier.\", \n DuplicateDeclareModuleExports: \"Duplicate `declare module.exports` statement\", \n EnumBooleanMemberNotInitialized: \"Boolean enum members need to be initialized. Use either `%0 = true,` or `%0 = false,` in enum `%1`.\", \n EnumDuplicateMemberName: \"Enum member names need to be unique, but the name `%0` has already been used before in enum `%1`.\", \n EnumInconsistentMemberValues: \"Enum `%0` has inconsistent member initializers. Either use no initializers, or consistently use literals (either booleans, numbers, or strings) for all member initializers.\", \n EnumInvalidExplicitType: \"Enum type `%1` is not valid. Use one of `boolean`, `number`, `string`, or `symbol` in enum `%0`.\", \n EnumInvalidExplicitTypeUnknownSupplied: \"Supplied enum type is not valid. Use one of `boolean`, `number`, `string`, or `symbol` in enum `%0`.\", \n EnumInvalidMemberInitializerPrimaryType: \"Enum `%0` has type `%2`, so the initializer of `%1` needs to be a %2 literal.\", \n EnumInvalidMemberInitializerSymbolType: \"Symbol enum members cannot be initialized. Use `%1,` in enum `%0`.\", \n EnumInvalidMemberInitializerUnknownType: \"The enum member initializer for `%1` needs to be a literal (either a boolean, number, or string) in enum `%0`.\", \n EnumInvalidMemberName: \"Enum member names cannot start with lowercase 'a' through 'z'. Instead of using `%0`, consider using `%1`, in enum `%2`.\", \n EnumNumberMemberNotInitialized: \"Number enum members need to be initialized, e.g. `%1 = 1` in enum `%0`.\", \n EnumStringMemberInconsistentlyInitailized: \"String enum members need to consistently either all use initializers, or use no initializers, in enum `%0`.\", \n ImportTypeShorthandOnlyInPureImport: \"The `type` and `typeof` keywords on named imports can only be used on regular `import` statements. It cannot be used with `import type` or `import typeof` statements\", \n InexactInsideExact: \"Explicit inexact syntax cannot appear inside an explicit exact object type\", \n InexactInsideNonObject: \"Explicit inexact syntax cannot appear in class or interface definitions\", \n InexactVariance: \"Explicit inexact syntax cannot have variance\", \n InvalidNonTypeImportInDeclareModule: \"Imports within a `declare module` body must always be `import type` or `import typeof`, \n MissingTypeParamDefault: \"Type parameter declaration needs a default, since a preceding type parameter declaration has a default.\", \n NestedDeclareModule: \"`declare module` cannot be used inside another `declare module`, \n NestedFlowComment: \"Cannot have a flow comment inside another flow comment\", \n OptionalBindingPattern: \"A binding pattern parameter cannot be optional in an implementation signature.\", \n SpreadVariance: \"Spread properties cannot have variance\", \n TypeBeforeInitializer: \"Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`, \n TypeCastInPattern: \"The type cast expression is expected to be wrapped with parenthesis\", \n UnexpectedExplicitInexactInObject: \"Explicit inexact syntax must appear at the end of an inexact object\", \n UnexpectedReservedType: \"Unexpected reserved type %0\", \n UnexpectedReservedUnderscore: \"`_` is only allowed as a type argument to call or new\", \n UnexpectedSpaceBetweenModuloChecks: \"Spaces between `%` and `checks` are not allowed here.\", \n UnexpectedSpreadType: \"Spread operator cannot appear in class or interface definitions\", \n UnexpectedSubtractionOperand: \"Unexpected token, expected `number` or `bigint`, \n UnexpectedTokenAfterTypeParameter: \"Expected an arrow function after this type parameter declaration\", \n UnexpectedTypeParameterBeforeAsyncArrowFunction: \"Type parameters must come after the async keyword, e.g. instead of `

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\`declare export var\`,\n let: \`declare export var\`,\n type: \`export type\`,\n interface: \`export
interface\`\n};\n\nfunction partition(list, test) {\n  const list1 = [];\n  const list2 = [];\n  for (let i = 0; i < list.length;
i++) {\n    (test(list[i], i, list) ? list1 : list2).push(list[i]);\n  }\n  return [list1, list2];\n}\n\nconst
FLOW_PRAGMA_REGEX = /^(?:\s*@((?:no)?flow)\b/;\n\nvar flow = (superClass => {\n  var _temp;\n  return
_temp = class extends superClass {\n    constructor(options, input) {\n      super(options, input);\n
this.flowPragma = void 0;\n      this.flowPragma = undefined;\n    }\n    shouldParseTypes() {\n      return
this.getPluginOption("flow", "all") || this.flowPragma === "flow";\n    }\n    shouldParseEnums() {\n      return
!!this.getPluginOption("flow", "enums");\n    }\n    finishToken(type, val) {\n      if (type !== types.string &&
type !== types.semi && type !== types.interpreterDirective) {\n        if (this.flowPragma === undefined) {\n
this.flowPragma = null;\n        }\n      }\n      return super.finishToken(type, val);\n    }\n    addComment(comment) {\n      if (this.flowPragma === undefined) {\n        const matches =
FLOW_PRAGMA_REGEX.exec(comment.value);\n        if (!matches) ; else if (matches[1] === "flow") {\n
this.flowPragma = "flow";\n        } else if (matches[1] === "noflow") {\n          this.flowPragma = "noflow";\n
        } else {\n          throw new Error("Unexpected flow pragma");\n        }\n      }\n      return
super.addComment(comment);\n    }\n    flowParseTypeInitialiser(tok) {\n      const oldInType =
this.state.inType;\n      this.state.inType = true;\n      this.expect(tok || types.colon);\n      const type =
this.flowParseType();\n      this.state.inType = oldInType;\n      return type;\n    }\n    flowParsePredicate() {\n
const node = this.startNode();\n      const moduloLoc = this.state.startLoc;\n      const moduloPos = this.state.start;\n
      this.expect(types.modulo);\n      const checksLoc = this.state.startLoc;\n      this.expectContextual("checks");\n
      if (moduloLoc.line !== checksLoc.line || moduloLoc.column !== checksLoc.column - 1) {\n
this.raise(moduloPos, FlowErrors.UnexpectedSpaceBetweenModuloChecks);\n      }\n      if
(this.eat(types.parenL)) {\n        node.value = this.parseExpression();\n        this.expect(types.parenR);\n        return
this.finishNode(node, "DeclaredPredicate");\n      } else {\n        return this.finishNode(node,
"InferredPredicate");\n      }\n    }\n    flowParseTypeAndPredicateInitialiser() {\n      const oldInType =
this.state.inType;\n      this.state.inType = true;\n      this.expect(types.colon);\n      let type = null;\n      let predicate
= null;\n      if (this.match(types.modulo)) {\n        this.state.inType = oldInType;\n        predicate =
this.flowParsePredicate();\n      } else {\n        type = this.flowParseType();\n        this.state.inType = oldInType;\n
        if (this.match(types.modulo)) {\n          predicate = this.flowParsePredicate();\n        }\n      }\n      return [type,
predicate];\n    }\n    flowParseDeclareClass(node) {\n      this.next();\n      this.flowParseInterfaceish(node, true);\n
      return this.finishNode(node, "DeclareClass");\n    }\n    flowParseDeclareFunction(node) {\n      this.next();\n
const id = node.id = this.parseIdentifier();\n      const typeNode = this.startNode();\n      const typeContainer =
this.startNode();\n      if (this.isRelational("<")) {\n        typeNode.typeParameters =
this.flowParseTypeParameterDeclaration();\n      } else {\n        typeNode.typeParameters = null;\n      }\n      this.expect(types.parenL);\n      const tmp = this.flowParseFunctionTypeParams();\n      typeNode.params =
tmp.params;\n      typeNode.rest = tmp.rest;\n      this.expect(types.parenR);\n      [typeNode.returnType,
node.predicate] = this.flowParseTypeAndPredicateInitialiser();\n      typeContainer.typeAnnotation =
this.finishNode(typeNode, "FunctionTypeAnnotation");\n      id.typeAnnotation = this.finishNode(typeContainer,
"TypeAnnotation");\n      this.resetEndLocation(id);\n      this.semicolon();\n      return this.finishNode(node,
"DeclareFunction");\n    }\n    flowParseDeclare(node, insideModule) {\n      if (this.match(types._class)) {\n
return this.flowParseDeclareClass(node);\n      } else if (this.match(types._function)) {\n        return
this.flowParseDeclareFunction(node);\n      } else if (this.match(types._var)) {\n        return
this.flowParseDeclareVariable(node);\n      } else if (this.eatContextual("module")) {\n        if
(this.match(types.dot)) {\n          return this.flowParseDeclareModuleExports(node);\n        } else {\n          if
(insideModule) {\n            this.raise(this.state.lastTokStart, FlowErrors.NestedDeclareModule);\n          }\n          return
this.flowParseDeclareModule(node);\n        }\n      } else if (this.isContextual("type")) {\n        return
this.flowParseDeclareTypeAlias(node);\n      } else if (this.isContextual("opaque")) {\n        return
this.flowParseDeclareOpaqueType(node);\n      } else if (this.isContextual("interface")) {\n        return
this.flowParseDeclareInterface(node);\n      } else if (this.match(types._export)) {\n        return

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this.flowParseDeclareExportDeclaration(node, insideModule);\n  } else {\n    throw this.unexpected();\n  }\n}\n\nflowParseDeclareVariable(node) {\n  this.next();\n  node.id =\nthis.flowParseTypeAnnotatableIdentifier(true);\n  this.scope.declareName(node.id.name, BIND_VAR,\nnode.id.start);\n  this.semicolon();\n  return this.finishNode(node, \"DeclareVariable\");\n}\n\nflowParseDeclareModule(node) {\n  this.scope.enter(SCOPE_OTHER);\n  if (this.match(types.string)) {\n    node.id = this.parseExprAtom();\n  } else {\n    node.id = this.parseIdentifier();\n  }\n  const bodyNode\n= node.body = this.startNode();\n  const body = bodyNode.body = [];\n  this.expect(types.braceL);\n  while\n(!this.match(types.braceR)) {\n    let bodyNode = this.startNode();\n    if (this.match(types._import)) {\n      this.next();\n      if (!this.isContextual(\"type\") && !this.match(types._typeof)) {\n        this.raise(this.state.lastTokStart, FlowErrors.InvalidNonTypeImportInDeclareModule);\n      }\n      this.parseImport(bodyNode);\n    } else {\n      this.expectContextual(\"declare\", FlowErrors.UnsupportedStatementInDeclareModule);\n      bodyNode = this.flowParseDeclare(bodyNode,\ntrue);\n    }\n    body.push(bodyNode);\n  }\n  this.scope.exit();\n  this.expect(types.braceR);\n  this.finishNode(bodyNode, \"BlockStatement\");\n  let kind = null;\n  let hasModuleExport = false;\n  body.forEach(bodyElement => {\n    if (isEsModuleType(bodyElement)) {\n      if (kind === \"CommonJS\")\n        this.raise(bodyElement.start, FlowErrors.AmbiguousDeclareModuleKind);\n      kind = \"ES\";\n    } else if (bodyElement.type === \"DeclareModuleExports\") {\n      if (hasModuleExport)\n        this.raise(bodyElement.start, FlowErrors.DuplicateDeclareModuleExports);\n      if (kind === \"ES\")\n        this.raise(bodyElement.start, FlowErrors.AmbiguousDeclareModuleKind);\n      kind = \"CommonJS\";\n      hasModuleExport = true;\n    }\n  });\n  node.kind = kind || \"CommonJS\";\n  return this.finishNode(node, \"DeclareModule\");\n}\n\nflowParseDeclareExportDeclaration(node,\ninsideModule) {\n  this.expect(types._export);\n  if (this.eat(types._default)) {\n    if\n(this.match(types._function) || this.match(types._class)) {\n      node.declaration =\nthis.flowParseDeclare(this.startNode());\n    } else {\n      node.declaration = this.flowParseType();\n      this.semicolon();\n    }\n    node.default = true;\n    return this.finishNode(node,\n\"DeclareExportDeclaration\");\n  } else {\n    if (this.match(types._const) || this.isLet() ||\n(this.isContextual(\"type\") || this.isContextual(\"interface\")) && !insideModule) {\n      const label =\nthis.state.value;\n      const suggestion = exportSuggestions[label];\n      throw this.raise(this.state.start,\nFlowErrors.UnsupportedDeclareExportKind, label, suggestion);\n    }\n    if (this.match(types._var) ||\nthis.match(types._function) || this.match(types._class) || this.isContextual(\"opaque\")) {\n      node.declaration =\nthis.flowParseDeclare(this.startNode());\n      node.default = false;\n      return this.finishNode(node,\n\"DeclareExportDeclaration\");\n    } else if (this.match(types.star) || this.match(types.braceL) ||\nthis.isContextual(\"interface\") || this.isContextual(\"type\") || this.isContextual(\"opaque\")) {\n      node =\nthis.parseExport(node);\n      if (node.type === \"ExportNamedDeclaration\")\n        node.type =\n\"ExportDeclaration\";\n      node.default = false;\n      delete node.exportKind;\n    }\n    node.type = \"Declare\" + node.type;\n    return node;\n  }\n}\n\nthrow this.unexpected();\n}\n\nflowParseDeclareModuleExports(node) {\n  this.next();\n  this.expectContextual(\"exports\");\n  node.typeAnnotation = this.flowParseTypeAnnotation();\n  this.semicolon();\n  return this.finishNode(node,\n\"DeclareModuleExports\");\n}\n\nflowParseDeclareTypeAlias(node) {\n  this.next();\n  this.flowParseTypeAlias(node);\n  node.type = \"DeclareTypeAlias\";\n  return node;\n}\n\nflowParseDeclareOpaqueType(node) {\n  this.next();\n  this.flowParseOpaqueType(node, true);\n  node.type\n= \"DeclareOpaqueType\";\n  return node;\n}\n\nflowParseDeclareInterface(node) {\n  this.next();\n  this.flowParseInterfaceish(node);\n  return this.finishNode(node, \"DeclareInterface\");\n}\n\nflowParseInterfaceish(node, isClass = false) {\n  node.id = this.flowParseRestrictedIdentifier(!isClass, true);\n  this.scope.declareName(node.id.name, isClass ? BIND_FUNCTION : BIND_LEXICAL, node.id.start);\n  if\n(this.isRelational(\"<\")) {\n    node.typeParameters = this.flowParseTypeParameterDeclaration();\n  } else {\n    node.typeParameters = null;\n  }\n  node.extends = [];\n  node.implements = [];\n  node.mixins =\n[];\n  if (this.eat(types._extends)) {\n    do {\n      node.extends.push(this.flowParseInterfaceExtends());\n    }

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    } while (!isClass && this.eat(types.comma));\n    }\n\n    if (this.isContextual(\\\"mixins\\\")) {\n    this.next();\n\n    do {\n    node.mixins.push(this.flowParseInterfaceExtends());\n    } while\n    (this.eat(types.comma));\n    }\n\n    if (this.isContextual(\\\"implements\\\")) {\n    this.next();\n\n    do {\n    node.implements.push(this.flowParseInterfaceExtends());\n    } while (this.eat(types.comma));\n    }\n\n    node.body = this.flowParseObjectType({\n    allowStatic: isClass,\n    allowExact: false,\n    allowSpread:\n    false,\n    allowProto: isClass,\n    allowInexact: false\n    });\n    }\n\n    flowParseInterfaceExtends() {\n    const node = this.startNode();\n    node.id = this.flowParseQualifiedTypeIdentifier();\n\n    if\n    (this.isRelational(\\\"<\\\")) {\n    node.typeParameters = this.flowParseTypeParameterInstantiation();\n    } else {\n    node.typeParameters = null;\n    }\n\n    return this.finishNode(node, \\\"InterfaceExtends\\\");\n    }\n\n    flowParseInterface(node) {\n    this.flowParseInterfaceish(node);\n    return this.finishNode(node,\n    \\\"InterfaceDeclaration\\\");\n    }\n\n    checkNotUnderscore(word) {\n    if (word === \\\"_\\\") {\n    this.raise(this.state.start, FlowErrors.UnexpectedReservedUnderscore);\n    }\n    }\n\n    checkReservedType(word,\n    startLoc, declaration) {\n    if (!reservedTypes.has(word)) return;\n    this.raise(startLoc, declaration ?\n    FlowErrors.AssignReservedType : FlowErrors.UnexpectedReservedType, word);\n    }\n\n    flowParseRestrictedIdentifier(liberal, declaration) {\n    this.checkReservedType(this.state.value, this.state.start,\n    declaration);\n    return this.parseIdentifier(liberal);\n    }\n\n    flowParseTypeAlias(node) {\n    node.id =\n    this.flowParseRestrictedIdentifier(false, true);\n    this.scope.declareName(node.id.name, BIND_LEXICAL,\n    node.id.start);\n\n    if (this.isRelational(\\\"<\\\")) {\n    node.typeParameters =\n    this.flowParseTypeParameterDeclaration();\n    } else {\n    node.typeParameters = null;\n    }\n\n    node.right\n    = this.flowParseTypeInitialiser(types.eq);\n    this.semicolon();\n    return this.finishNode(node, \\\"TypeAlias\\\");\n    }\n\n    flowParseOpaqueType(node, declare) {\n    this.expectContextual(\\\"type\\\");\n    node.id =\n    this.flowParseRestrictedIdentifier(true, true);\n    this.scope.declareName(node.id.name, BIND_LEXICAL,\n    node.id.start);\n\n    if (this.isRelational(\\\"<\\\")) {\n    node.typeParameters =\n    this.flowParseTypeParameterDeclaration();\n    } else {\n    node.typeParameters = null;\n    }\n\n    node.supertype = null;\n\n    if (this.match(types.colon)) {\n    node.supertype =\n    this.flowParseTypeInitialiser(types.colon);\n    }\n\n    node.impltype = null;\n\n    if (!declare) {\n    node.impltype = this.flowParseTypeInitialiser(types.eq);\n    }\n\n    this.semicolon();\n    return\n    this.finishNode(node, \\\"OpaqueType\\\");\n    }\n\n    flowParseTypeParameter(requireDefault = false) {\n    const\n    nodeStart = this.state.start;\n    const node = this.startNode();\n    const variance = this.flowParseVariance();\n    const ident = this.flowParseTypeAnnotatableIdentifier();\n    node.name = ident.name;\n    node.variance =\n    variance;\n    node.bound = ident.typeAnnotation;\n\n    if (this.match(types.eq)) {\n    this.eat(types.eq);\n    node.default = this.flowParseType();\n    } else {\n    if (requireDefault) {\n    this.raise(nodeStart,\n    FlowErrors.MissingTypeParamDefault);\n    }\n    }\n\n    return this.finishNode(node, \\\"TypeParameter\\\");\n    }\n\n    flowParseTypeParameterDeclaration() {\n    const oldInType = this.state.inType;\n    const node =\n    this.startNode();\n    node.params = [];\n    this.state.inType = true;\n\n    if (this.isRelational(\\\"<\\\")) ||\n    this.match(types.jsxTagStart)) {\n    this.next();\n    } else {\n    this.unexpected();\n    }\n\n    let\n    defaultRequired = false;\n\n    do {\n    const typeParameter = this.flowParseTypeParameter(defaultRequired);\n\n    node.params.push(typeParameter);\n\n    if (typeParameter.default) {\n    defaultRequired = true;\n    }\n\n    if (!this.isRelational(\\\">\\\")) {\n    this.expect(types.comma);\n    }\n    } while\n    (!this.isRelational(\\\">\\\"));\n\n    this.expectRelational(\\\">\\\");\n    this.state.inType = oldInType;\n    return\n    this.finishNode(node, \\\"TypeParameterDeclaration\\\");\n    }\n\n    flowParseTypeParameterInstantiation() {\n    const node = this.startNode();\n    const oldInType = this.state.inType;\n    node.params = [];\n    this.state.inType = true;\n    this.expectRelational(\\\"<\\\");\n    const oldNoAnonFunctionType =\n    this.state.noAnonFunctionType;\n    this.state.noAnonFunctionType = false;\n\n    while (!this.isRelational(\\\">\\\"))\n    {\n    node.params.push(this.flowParseType());\n\n    if (!this.isRelational(\\\">\\\")) {\n    this.expect(types.comma);\n    }\n    }\n\n    this.state.noAnonFunctionType = oldNoAnonFunctionType;\n    this.expectRelational(\\\">\\\");\n    this.state.inType = oldInType;\n    return this.finishNode(node,\n    \\\"TypeParameterInstantiation\\\");\n    }\n\n    flowParseTypeParameterInstantiationCallOrNew() {\n    const node =

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this.startNode();\n  const oldInType = this.state.inType;\n  node.params = [];\n  this.state.inType = true;\n  this.expectRelational("<");\n  while (!this.isRelational(">")) {\n  node.params.push(this.flowParseTypeOrImplicitInstantiation());\n  if (!this.isRelational(">")) {\n  this.expect(types.comma);\n  }\n  this.expectRelational(">");\n  this.state.inType = oldInType;\n  return this.finishNode(node, "TypeParameterInstantiation");\n  }\n  flowParseInterfaceType() {\n  const\n  node = this.startNode();\n  this.expectContextual("interface");\n  node.extends = [];\n  if\n  (this.eat(types._extends)) {\n  do {\n  node.extends.push(this.flowParseInterfaceExtends());\n  } while\n  (this.eat(types.comma));\n  }\n  node.body = this.flowParseObjectType({\n  allowStatic: false,\n  allowExact: false,\n  allowSpread: false,\n  allowProto: false,\n  allowInexact: false\n  });\n  return\n  this.finishNode(node, "InterfaceTypeAnnotation");\n  }\n  flowParseObjectPropertyKey() {\n  return\n  this.match(types.num) || this.match(types.string) ? this.parseExprAtom() : this.parseIdentifier(true);\n  }\n  flowParseObjectTypeIndexer(node, isStatic, variance) {\n  node.static = isStatic;\n  if (this.lookahead().type\n  === types.colon) {\n  node.id = this.flowParseObjectPropertyKey();\n  node.key =\n  this.flowParseTypeInitialiser();\n  } else {\n  node.id = null;\n  node.key = this.flowParseType();\n  }\n  this.expect(types.bracketR);\n  node.value = this.flowParseTypeInitialiser();\n  node.variance =\n  variance;\n  return this.finishNode(node, "ObjectTypeIndexer");\n  }\n  flowParseObjectTypeInternalSlot(node, isStatic) {\n  node.static = isStatic;\n  node.id =\n  this.flowParseObjectPropertyKey();\n  this.expect(types.bracketR);\n  this.expect(types.bracketR);\n  if\n  (this.isRelational("<") || this.match(types.parenL)) {\n  node.method = true;\n  node.optional = false;\n  node.value = this.flowParseObjectTypeMethodish(this.startNodeAt(node.start, node.loc.start));\n  } else {\n  node.method = false;\n  if (this.eat(types.question)) {\n  node.optional = true;\n  }\n  node.value\n  = this.flowParseTypeInitialiser();\n  }\n  return this.finishNode(node, "ObjectTypeInternalSlot");\n  }\n  flowParseObjectTypeMethodish(node) {\n  node.params = [];\n  node.rest = null;\n  node.typeParameters =\n  null;\n  if (this.isRelational("<")) {\n  node.typeParameters = this.flowParseTypeParameterDeclaration();\n  }\n  this.expect(types.parenL);\n  while (!this.match(types.parenR) && !this.match(types.ellipsis)) {\n  node.params.push(this.flowParseFunctionTypeParam());\n  if (!this.match(types.parenR)) {\n  this.expect(types.comma);\n  }\n  }\n  if (this.eat(types.ellipsis)) {\n  node.rest =\n  this.flowParseFunctionTypeParam();\n  }\n  this.expect(types.parenR);\n  node.returnType =\n  this.flowParseTypeInitialiser();\n  return this.finishNode(node, "FunctionTypeAnnotation");\n  }\n  flowParseObjectTypeCallProperty(node, isStatic) {\n  const valueNode = this.startNode();\n  node.static =\n  isStatic;\n  node.value = this.flowParseObjectTypeMethodish(valueNode);\n  return this.finishNode(node,\n  "ObjectTypeCallProperty");\n  }\n  flowParseObjectType({\n  allowStatic,\n  allowExact,\n  allowSpread,\n  allowProto,\n  allowInexact\n  }) {\n  const oldInType = this.state.inType;\n  this.state.inType = true;\n  const nodeStart = this.startNode();\n  nodeStart.callProperties = [];\n  nodeStart.properties = [];\n  nodeStart.indexers = [];\n  nodeStart.internalSlots = [];\n  let endDelim;\n  let\n  exact;\n  let inexact = false;\n  if (allowExact && this.match(types.braceBarL)) {\n  this.expect(types.braceBarL);\n  endDelim = types.braceBarR;\n  exact = true;\n  } else {\n  this.expect(types.braceL);\n  endDelim = types.braceR;\n  exact = false;\n  }\n  nodeStart.exact =\n  exact;\n  while (!this.match(endDelim)) {\n  let isStatic = false;\n  let protoStart = null;\n  let\n  inexactStart = null;\n  const node = this.startNode();\n  if (allowProto && this.isContextual("proto")) {\n  const lookahead = this.lookahead();\n  if (lookahead.type !== types.colon && lookahead.type !==\n  types.question) {\n  this.next();\n  protoStart = this.state.start;\n  allowStatic = false;\n  }\n  }\n  if (allowStatic && this.isContextual("static")) {\n  const lookahead = this.lookahead();\n  if\n  (lookahead.type !== types.colon && lookahead.type !== types.question) {\n  this.next();\n  isStatic =\n  true;\n  }\n  }\n  const variance = this.flowParseVariance();\n  if (this.eat(types.bracketL)) {\n  if (protoStart != null) {\n  this.unexpected(protoStart);\n  }\n  if (this.eat(types.bracketL)) {\n  if (variance) {\n  this.unexpected(variance.start);\n  }\n  }\n  nodeStart.internalSlots.push(this.flowParseObjectTypeInternalSlot(node, isStatic));\n  } else {\n

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nodeStart.indexers.push(this.flowParseObjectTypeIndexer(node, isStatic, variance));\n    }\n    } else if
(this.match(types.parenL) || this.isRelational("<")) {\n    if (protoStart != null) {\n
this.unexpected(protoStart);\n    }\n    if (variance) {\n    this.unexpected(variance.start);\n    }\n
nodeStart.callProperties.push(this.flowParseObjectTypeCallProperty(node, isStatic));\n    } else {\n    let
kind = \"init\";\n    if (this.isContextual(\"get\") || this.isContextual(\"set\")) {\n    const lookahead =
this.lookahead();\n    if (lookahead.type === types.name || lookahead.type === types.string || lookahead.type
=== types.num) {\n    kind = this.state.value;\n    this.next();\n    }\n    }\n    const
propOrInexact = this.flowParseObjectTypeProperty(node, isStatic, protoStart, variance, kind, allowSpread,
allowInexact != null ? allowInexact : !exact);\n    if (propOrInexact === null) {\n    inexact = true;\n
inexactStart = this.state.lastTokStart;\n    } else {\n    nodeStart.properties.push(propOrInexact);\n    }\n
}\n    this.flowObjectTypeSemicolon();\n    if (inexactStart && !this.match(types.braceR) &&
!this.match(types.braceBarR)) {\n    this.raise(inexactStart, FlowErrors.UnexpectedExplicitInexactInObject);\n
}\n    }\n    this.expect(endDelim);\n    if (allowSpread) {\n    nodeStart.inexact = inexact;\n    }\n
const out = this.finishNode(nodeStart, \"ObjectTypeAnnotation\");\n    this.state.inType = oldInType;\n    return
out;\n    }\n    flowParseObjectTypeProperty(node, isStatic, protoStart, variance, kind, allowSpread, allowInexact)
{\n    if (this.eat(types.ellipsis)) {\n    const isInexactToken = this.match(types.comma) || this.match(types.semi)
|| this.match(types.braceR) || this.match(types.braceBarR);\n    if (isInexactToken) {\n    if (!allowSpread)
{\n    this.raise(this.state.lastTokStart, FlowErrors.InexactInsideNonObject);\n    } else if (!allowInexact)
{\n    this.raise(this.state.lastTokStart, FlowErrors.InexactInsideExact);\n    }\n    }\n    if (variance) {\n
this.raise(variance.start, FlowErrors.InexactVariance);\n    }\n    return null;\n    }\n    if
(!allowSpread) {\n    this.raise(this.state.lastTokStart, FlowErrors.UnexpectedSpreadType);\n    }\n    if
(protoStart != null) {\n    this.unexpected(protoStart);\n    }\n    if (variance) {\n
this.raise(variance.start, FlowErrors.SpreadVariance);\n    }\n    node.argument = this.flowParseType();\n
return this.finishNode(node, \"ObjectTypeSpreadProperty\");\n    } else {\n    node.key =
this.flowParseObjectPropertyKey();\n    node.static = isStatic;\n    node.proto = protoStart != null;\n
node.kind = kind;\n    let optional = false;\n    if (this.isRelational("<") || this.match(types.parenL)) {\n
node.method = true;\n    if (protoStart != null) {\n    this.unexpected(protoStart);\n    }\n    if
(variance) {\n    this.unexpected(variance.start);\n    }\n    node.value =
this.flowParseObjectTypeMethodish(this.startNodeAt(node.start, node.loc.start));\n    if (kind === \"get\" ||
kind === \"set\") {\n    this.flowCheckGetterSetterParams(node);\n    } else {\n    if (kind !==
\"init\") this.unexpected();\n    node.method = false;\n    if (this.eat(types.question)) {\n    optional =
true;\n    }\n    node.value = this.flowParseTypeInitialiser();\n    node.variance = variance;\n    }\n
node.optional = optional;\n    return this.finishNode(node, \"ObjectTypeProperty\");\n    }\n    }\n
flowCheckGetterSetterParams(property) {\n    const paramCount = property.kind === \"get\" ? 0 : 1;\n    const
start = property.start;\n    const length = property.value.params.length + (property.value.rest ? 1 : 0);\n    if
(length !== paramCount) {\n    if (property.kind === \"get\") {\n    this.raise(start,
ErrorMessages.BadGetterAriety);\n    } else {\n    this.raise(start, ErrorMessages.BadSetterAriety);\n    }\n
}\n    if (property.kind === \"set\" && property.value.rest) {\n    this.raise(start,
ErrorMessages.BadSetterRestParameter);\n    }\n    }\n    flowObjectTypeSemicolon() {\n    if
(!this.eat(types.semi) && !this.eat(types.comma) && !this.match(types.braceR) && !this.match(types.braceBarR))
{\n    this.unexpected();\n    }\n    }\n    flowParseQualifiedTypeIdentifier(startPos, startLoc, id) {\n    startPos
= startPos || this.state.start;\n    startLoc = startLoc || this.state.startLoc;\n    let node = id ||
this.flowParseRestrictedIdentifier(true);\n    while (this.eat(types.dot)) {\n    const node2 =
this.startNodeAt(startPos, startLoc);\n    node2.qualification = node;\n    node2.id =
this.flowParseRestrictedIdentifier(true);\n    node = this.finishNode(node2, \"QualifiedTypeIdentifier\");\n
}\n    return node;\n    }\n    flowParseGenericType(startPos, startLoc, id) {\n    const node =
this.startNodeAt(startPos, startLoc);\n    node.typeParameters = null;\n    node.id =
this.flowParseQualifiedTypeIdentifier(startPos, startLoc, id);\n    if (this.isRelational("<")) {\n

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node.typeParameters = this.flowParseTypeParameterInstantiation();\n    }\n\n    return this.finishNode(node,\n    \"GenericTypeAnnotation\");\n  }\n\n  flowParseTypeofType() {\n    const node = this.startNode();\n    this.expect(types._typeof);\n    node.argument = this.flowParsePrimaryType();\n    return this.finishNode(node,\n    \"TypeofTypeAnnotation\");\n  }\n\n  flowParseTupleType() {\n    const node = this.startNode();\n    node.types\n    = [];\n    this.expect(types.bracketL);\n\n    while (this.state.pos < this.length && !this.match(types.bracketR)) {\n      node.types.push(this.flowParseType());\n      if (this.match(types.bracketR)) break;\n    }\n\n    this.expect(types.comma);\n    }\n\n    this.expect(types.bracketR);\n    return this.finishNode(node,\n    \"TupleTypeAnnotation\");\n  }\n\n  flowParseFunctionTypeParam() {\n    let name = null;\n    let optional =\n    false;\n    let typeAnnotation = null;\n    const node = this.startNode();\n    const lh = this.lookahead();\n\n    if\n    (lh.type === types.colon || lh.type === types.question) {\n      name = this.parseIdentifier();\n      if\n    (this.eat(types.question)) {\n        optional = true;\n      }\n\n      typeAnnotation =\n    this.flowParseTypeInitialiser();\n    } else {\n      typeAnnotation = this.flowParseType();\n    }\n\n    node.name\n    = name;\n    node.optional = optional;\n    node.typeAnnotation = typeAnnotation;\n    return\n    this.finishNode(node, \"FunctionTypeParam\");\n  }\n\n  reinterpretTypeAsFunctionTypeParam(type) {\n    const node = this.startNodeAt(type.start, type.loc.start);\n    node.name = null;\n    node.optional = false;\n    node.typeAnnotation = type;\n    return this.finishNode(node, \"FunctionTypeParam\");\n  }\n\n  flowParseFunctionTypeParams(params = []) {\n    let rest = null;\n\n    while (!this.match(types.parenR) &&\n    !this.match(types.ellipsis)) {\n      params.push(this.flowParseFunctionTypeParam());\n      if\n    (!this.match(types.parenR)) {\n        this.expect(types.comma);\n      }\n    }\n\n    if (this.eat(types.ellipsis)) {\n      rest = this.flowParseFunctionTypeParam();\n    }\n\n    return {\n      params,\n      rest\n    };\n  }\n\n  flowIdentToTypeAnnotation(startPos, startLoc, node, id) {\n    switch (id.name) {\n      case \"any\":\n        return this.finishNode(node, \"AnyTypeAnnotation\");\n      case \"bool\":\n      case \"boolean\":\n        return\n        this.finishNode(node, \"BooleanTypeAnnotation\");\n      case \"mixed\":\n        return this.finishNode(node,\n        \"MixedTypeAnnotation\");\n      case \"empty\":\n        return this.finishNode(node,\n        \"EmptyTypeAnnotation\");\n      case \"number\":\n        return this.finishNode(node,\n        \"NumberTypeAnnotation\");\n      case \"string\":\n        return this.finishNode(node,\n        \"StringTypeAnnotation\");\n      case \"symbol\":\n        return this.finishNode(node,\n        \"SymbolTypeAnnotation\");\n      default:\n        this.checkNotUnderscore(id.name);\n        return\n        this.flowParseGenericType(startPos, startLoc, id);\n    }\n  }\n\n  flowParsePrimaryType() {\n    const startPos\n    = this.state.start;\n    const startLoc = this.state.startLoc;\n    const node = this.startNode();\n    let tmp;\n    let\n    type;\n    let isGroupedType = false;\n    const oldNoAnonFunctionType = this.state.noAnonFunctionType;\n\n    switch (this.state.type) {\n      case types.name:\n        if (this.isContextual(\"interface\")) {\n          return\n        this.flowParseInterfaceType();\n        }\n\n        return this.flowIdentToTypeAnnotation(startPos, startLoc, node,\n        this.parseIdentifier());\n      case types.braceL:\n        return this.flowParseObjectType({\n          allowStatic:\n        false,\n          allowExact: false,\n          allowSpread: true,\n          allowProto: false,\n          allowInexact:\n        true\n        });\n      case types.braceBarL:\n        return this.flowParseObjectType({\n          allowStatic:\n        false,\n          allowExact: true,\n          allowSpread: true,\n          allowProto: false,\n          allowInexact:\n        false\n        });\n      case types.bracketL:\n        this.state.noAnonFunctionType = false;\n        type =\n        this.flowParseTupleType();\n        this.state.noAnonFunctionType = oldNoAnonFunctionType;\n        return\n        type;\n      case types.relational:\n        if (this.state.value === \"<\") {\n          node.typeParameters =\n        this.flowParseTypeParameterDeclaration();\n          this.expect(types.parenL);\n          tmp =\n        this.flowParseFunctionTypeParams();\n          node.params = tmp.params;\n          node.rest = tmp.rest;\n          this.expect(types.parenR);\n          this.expect(types.arrow);\n          node.returnType = this.flowParseType();\n          return this.finishNode(node, \"FunctionTypeAnnotation\");\n        }\n\n        break;\n      case types.parenL:\n        this.next();\n\n        if (!this.match(types.parenR) && !this.match(types.ellipsis)) {\n          if\n        (this.match(types.name)) {\n            const token = this.lookahead().type;\n            isGroupedType = token !==\n        types.question && token !== types.colon;\n          } else {\n            isGroupedType = true;\n          }\n        }\n\n        if (isGroupedType) {\n          this.state.noAnonFunctionType = false;\n          type = this.flowParseType();\n        }\n    }\n  }\n
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    this.state.noAnonFunctionType = oldNoAnonFunctionType;\n\n        if (this.state.noAnonFunctionType ||
!(this.match(types.comma) || this.match(types.parenR) && this.lookahead().type === types.arrow)) {\n
this.expect(types.parenR);\n        return type;\n        } else {\n        this.eat(types.comma);\n        }\n
}\n\n    if (type) {\n        tmp =
this.flowParseFunctionTypeParams([this.reinterpretTypeAsFunctionTypeParam(type)];\n        } else {\n
tmp = this.flowParseFunctionTypeParams();\n        }\n\n        node.params = tmp.params;\n        node.rest =
tmp.rest;\n        this.expect(types.parenR);\n        this.expect(types.arrow);\n        node.returnType =
this.flowParseType();\n        node.typeParameters = null;\n        return this.finishNode(node,
\"FunctionTypeAnnotation\");\n\n        case types.string:\n        return this.parseLiteral(this.state.value,
\"StringLiteralTypeAnnotation\");\n\n        case types._true:\n        case types._false:\n        node.value =
this.match(types._true);\n        this.next();\n        return this.finishNode(node,
\"BooleanLiteralTypeAnnotation\");\n\n        case types.plusMin:\n        if (this.state.value === \"-\") {\n
this.next();\n\n        if (this.match(types.num)) {\n        return this.parseLiteral(-this.state.value,
\"NumberLiteralTypeAnnotation\", node.start, node.loc.start);\n        }\n\n        if (this.match(types.bigint)) {\n
return this.parseLiteral(-this.state.value, \"BigIntLiteralTypeAnnotation\", node.start, node.loc.start);\n
}\n\n        throw this.raise(this.state.start, FlowErrors.UnexpectedSubtractionOperand);\n        }\n\n        throw
this.unexpected();\n\n        case types.num:\n        return this.parseLiteral(this.state.value,
\"NumberLiteralTypeAnnotation\");\n\n        case types.bigint:\n        return this.parseLiteral(this.state.value,
\"BigIntLiteralTypeAnnotation\");\n\n        case types._void:\n        this.next();\n        return this.finishNode(node,
\"VoidTypeAnnotation\");\n\n        case types._null:\n        this.next();\n        return this.finishNode(node,
\"NullLiteralTypeAnnotation\");\n\n        case types._this:\n        this.next();\n        return this.finishNode(node,
\"ThisTypeAnnotation\");\n\n        case types.star:\n        this.next();\n        return this.finishNode(node,
\"ExistsTypeAnnotation\");\n\n        default:\n        if (this.state.type.keyword === \"typeof\") {\n        return
this.flowParseTypeofType();\n        } else if (this.state.type.keyword) {\n        const label = this.state.type.label;\n
this.next();\n        return super.createIdentifier(node, label);\n        }\n\n        }\n\n        throw
this.unexpected();\n    }\n\n    flowParsePostfixType() {\n        const startPos = this.state.start,\n        startLoc =
this.state.startLoc;\n        let type = this.flowParsePrimaryType();\n\n        while (this.match(types.bracketL) &&
!this.canInsertSemicolon()) {\n        const node = this.startNodeAt(startPos, startLoc);\n        node.elementType =
type;\n        this.expect(types.bracketL);\n        this.expect(types.bracketR);\n        type = this.finishNode(node,
\"ArrayTypeAnnotation\");\n        }\n\n        return type;\n    }\n\n    flowParsePrefixType() {\n        const node =
this.startNode();\n\n        if (this.eat(types.question)) {\n        node.typeAnnotation = this.flowParsePrefixType();\n
return this.finishNode(node, \"NullableTypeAnnotation\");\n        } else {\n        return this.flowParsePostfixType();\n
}\n    }\n\n    flowParseAnonFunctionWithoutParens() {\n        const param = this.flowParsePrefixType();\n\n        if
(!this.state.noAnonFunctionType && this.eat(types.arrow)) {\n        const node = this.startNodeAt(param.start,
param.loc.start);\n        node.params = [this.reinterpretTypeAsFunctionTypeParam(param)];\n        node.rest =
null;\n        node.returnType = this.flowParseType();\n        node.typeParameters = null;\n        return
this.finishNode(node, \"FunctionTypeAnnotation\");\n        }\n\n        return param;\n    }\n\n    flowParseIntersectionType() {\n        const node = this.startNode();\n        this.eat(types.bitwiseAND);\n        const type
= this.flowParseAnonFunctionWithoutParens();\n        node.types = [type];\n\n        while (this.eat(types.bitwiseAND))\n        {\n        node.types.push(this.flowParseAnonFunctionWithoutParens());\n        }\n\n        return node.types.length ===
1 ? type : this.finishNode(node, \"IntersectionTypeAnnotation\");\n    }\n\n    flowParseUnionType() {\n        const
node = this.startNode();\n        this.eat(types.bitwiseOR);\n        const type = this.flowParseIntersectionType();\n
node.types = [type];\n\n        while (this.eat(types.bitwiseOR)) {\n
node.types.push(this.flowParseIntersectionType());\n        }\n\n        return node.types.length === 1 ? type :
this.finishNode(node, \"UnionTypeAnnotation\");\n    }\n\n    flowParseType() {\n        const oldInType =
this.state.inType;\n        this.state.inType = true;\n        const type = this.flowParseUnionType();\n        this.state.inType
= oldInType;\n        this.state.exprAllowed = this.state.exprAllowed || this.state.noAnonFunctionType;\n        return
type;\n    }\n\n    flowParseTypeOrImplicitInstantiation() {\n        if (this.state.type === types.name &&

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this.state.value === \"_\") {\n    const startPos = this.state.start;\n    const startLoc = this.state.startLoc;\n    const node = this.parseIdentifier();\n    return this.flowParseGenericType(startPos, startLoc, node);\n  } else {\n    return this.flowParseType();\n  }\n}\n\nflowParseTypeAnnotation() {\n  const node =\n  this.startNode();\n  node.typeAnnotation = this.flowParseTypeInitialiser();\n  return this.finishNode(node,\n  \"TypeAnnotation\");\n}\n\nflowParseTypeAnnotatableIdentifier(allowPrimitiveOverride) {\n  const ident =\n  allowPrimitiveOverride ? this.parseIdentifier() : this.flowParseRestrictedIdentifier();\n  if\n  (this.match(types.colon)) {\n    ident.typeAnnotation = this.flowParseTypeAnnotation();\n    this.resetEndLocation(ident);\n  }\n  return ident;\n}\n\nflowParseTypeCastToParameter(node) {\n  node.expression.typeAnnotation = node.typeAnnotation;\n  this.resetEndLocation(node.expression,\n  node.typeAnnotation.end, node.typeAnnotation.loc.end);\n  return node.expression;\n}\n\nflowParseVariance() {\n  let variance = null;\n  if (this.match(types.plusMin)) {\n    variance =\n    this.startNode();\n    if (this.state.value === \"+\") {\n      variance.kind = \"plus\";\n    } else {\n      variance.kind = \"minus\";\n    }\n    this.next();\n    this.finishNode(variance, \"Variance\");\n  }\n  return variance;\n}\n\nflowParseFunctionBody(node, allowExpressionBody, isMethod = false) {\n  if\n  (allowExpressionBody) {\n    return this.forwardNoArrowParamsConversionAt(node, () =>\n    super.parseFunctionBody(node, true, isMethod));\n  }\n  return super.parseFunctionBody(node, false,\n  isMethod);\n}\n\nflowParseFunctionBodyAndFinish(node, type, isMethod = false) {\n  if\n  (this.match(types.colon)) {\n    const typeNode = this.startNode();\n    [typeNode.typeAnnotation,\n    node.predicate] = this.flowParseTypeAndPredicateInitialiser();\n    node.returnType = typeNode.typeAnnotation ?\n    this.finishNode(typeNode, \"TypeAnnotation\") : null;\n  }\n  return super.parseFunctionBodyAndFinish(node, type,\n  isMethod);\n}\n\nflowParseStatement(context, topLevel) {\n  if (this.state.strict && this.match(types.name) &&\n  this.state.value === \"interface\") {\n    const lookahead = this.lookahead();\n    if (lookahead.type ===\n    types.name || isKeyword(lookahead.value)) {\n      const node = this.startNode();\n      this.next();\n      return\n      this.flowParseInterface(node);\n    }\n  } else if (this.shouldParseEnums() && this.isContextual(\"enum\")) {\n    const node = this.startNode();\n    this.next();\n    return this.flowParseEnumDeclaration(node);\n  }\n  const stmt = super.parseStatement(context, topLevel);\n  if (this.flowPragma === undefined &&\n  !this.isValidDirective(stmt)) {\n    this.flowPragma = null;\n  }\n  return stmt;\n}\n\nflowParseExpressionStatement(node, expr) {\n  if (expr.type === \"Identifier\") {\n    if (expr.name === \"declare\")\n    {\n      if (this.match(types._class) || this.match(types.name) || this.match(types._function) || this.match(types._var)\n      || this.match(types._export)) {\n        return this.flowParseDeclare(node);\n      }\n    } else if\n    (this.match(types.name)) {\n      if (expr.name === \"interface\") {\n        return\n        this.flowParseInterface(node);\n      } else if (expr.name === \"type\") {\n        return\n        this.flowParseTypeAlias(node);\n      } else if (expr.name === \"opaque\") {\n        return\n        this.flowParseOpaqueType(node, false);\n      }\n    }\n  }\n  return\n  super.parseExpressionStatement(node, expr);\n}\n\nflowShouldParseExportDeclaration() {\n  return\n  this.isContextual(\"type\") || this.isContextual(\"interface\") || this.isContextual(\"opaque\") ||\n  this.shouldParseEnums() && this.isContextual(\"enum\") || super.shouldParseExportDeclaration();\n}\n\nflowIsExportDefaultSpecifier() {\n  if (this.match(types.name) && (this.state.value === \"type\" || this.state.value ===\n  \"interface\" || this.state.value === \"opaque\" || this.shouldParseEnums() && this.state.value === \"enum\")) {\n    return\n    false;\n  }\n  return\n  super.isExportDefaultSpecifier();\n}\n\nflowParseExportDefaultExpression() {\n  if (this.shouldParseEnums() && this.isContextual(\"enum\")) {\n    const node = this.startNode();\n    this.next();\n    return\n    this.flowParseEnumDeclaration(node);\n  }\n  return\n  super.parseExportDefaultExpression();\n}\n\nflowParseConditional(expr, startPos, startLoc, refNeedsArrowPos)\n{\n  if (!this.match(types.question)) return expr;\n  if (refNeedsArrowPos) {\n    const result =\n    this.tryParse(() => super.parseConditional(expr, startPos, startLoc));\n    if (!result.node) {\n      refNeedsArrowPos.start = result.error.pos || this.state.start;\n      return\n      expr;\n    }\n    if (result.error)\n    this.state = result.failState;\n    return\n    result.node;\n  }\n  this.expect(types.question);\n  const state =\n  this.state.clone();\n  const originalNoArrowAt = this.state.noArrowAt;\n  const node =

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this.startNodeAt(startPos, startLoc);\n  let {\n    consequent,\n    failed\n  } =
this.tryParseConditionalConsequent();\n  let [valid, invalid] = this.getArrowLikeExpressions(consequent);\n  if (failed || invalid.length > 0) {\n    const noArrowAt = [...originalNoArrowAt];\n    if (invalid.length > 0) {\n      this.state = state;\n      this.state.noArrowAt = noArrowAt;\n      for (let i = 0; i < invalid.length; i++) {\n        noArrowAt.push(invalid[i].start);\n      }\n      ({\n        consequent,\n        failed\n      }) =
this.tryParseConditionalConsequent();\n      [valid, invalid] = this.getArrowLikeExpressions(consequent);\n    }\n    if (failed && valid.length > 1) {\n      this.raise(state.start, FlowErrors.AmbiguousConditionalArrow);\n    }\n    if (failed && valid.length === 1) {\n      this.state = state;\n      this.state.noArrowAt =
noArrowAt.concat(valid[0].start);\n      ({\n        consequent,\n        failed\n      }) =
this.tryParseConditionalConsequent();\n    }\n  }\n  this.getArrowLikeExpressions(consequent, true);\n  this.state.noArrowAt = originalNoArrowAt;\n  this.expect(types.colon);\n  node.test = expr;\n  node.consequent = consequent;\n  node.alternate = this.forwardNoArrowParamsConversionAt(node, () =>
this.parseMaybeAssign(undefined, undefined, undefined));\n  return this.finishNode(node,
"ConditionalExpression");\n}\n\ntryParseConditionalConsequent() {\n  this.state.noArrowParamsConversionAt.push(this.state.start);\n  const consequent =
this.parseMaybeAssignAllowIn();\n  const failed = !this.match(types.colon);\n  this.state.noArrowParamsConversionAt.pop();\n  return {\n    consequent,\n    failed\n  };\n}\n\ngetArrowLikeExpressions(node, disallowInvalid) {\n  const stack = [node];\n  const arrows = [];\n  while
(stack.length !== 0) {\n    const node = stack.pop();\n    if (node.type === "ArrowFunctionExpression") {\n      if (node.typeParameters || !node.returnType) {\n        this.finishArrowValidation(node);\n      } else {\n        arrows.push(node);\n      }\n      stack.push(node.body);\n    } else if (node.type ===
"ConditionalExpression") {\n      stack.push(node.consequent);\n      stack.push(node.alternate);\n    }\n  }\n  if (disallowInvalid) {\n    arrows.forEach(node => this.finishArrowValidation(node));\n  }\n  return
[arrows, []];\n}\n\nreturn partition(arrows, node => node.params.every(param => this.isAssignable(param,
true)));\n}\n\nfinishArrowValidation(node) {\n  var _node$extra;\n  this.toAssignableList(node.params,
(_node$extra = node.extra) == null ? void 0 : _node$extra.trailingComma);\n  this.scope.enter(SCOPE_FUNCTION | SCOPE_ARROW);\n  super.checkParams(node, false, true);\n  this.scope.exit();\n}\n\nforwardNoArrowParamsConversionAt(node, parse) {\n  let result;\n  if
(this.state.noArrowParamsConversionAt.indexOf(node.start) !== -1) {\n    this.state.noArrowParamsConversionAt.push(this.state.start);\n    result = parse();\n  }\n  this.state.noArrowParamsConversionAt.pop();\n  } else {\n    result = parse();\n  }\n  return result;\n}\n\nparseParenItem(node, startPos, startLoc) {\n  node = super.parseParenItem(node, startPos, startLoc);\n  if (this.eat(types.question)) {\n    node.optional = true;\n    this.resetEndLocation(node);\n  }\n  if
(this.match(types.colon)) {\n    const typeCastNode = this.startNodeAt(startPos, startLoc);\n    typeCastNode.expression = node;\n    typeCastNode.typeAnnotation = this.flowParseTypeAnnotation();\n    return this.finishNode(typeCastNode, "TypeCastExpression");\n  }\n  return node;\n}\n\nassertModuleNodeAllowed(node) {\n  if (node.type === "ImportDeclaration" && (node.importKind ===
"type" || node.importKind === "typeof") || node.type === "ExportNamedDeclaration" && node.exportKind ===
"type" || node.type === "ExportAllDeclaration" && node.exportKind === "type") {\n    return;\n  }\n  super.assertModuleNodeAllowed(node);\n}\n\nparseExport(node) {\n  const decl =
super.parseExport(node);\n  if (decl.type === "ExportNamedDeclaration" || decl.type ===
"ExportAllDeclaration") {\n    decl.exportKind = decl.exportKind || "value";\n  }\n  return decl;\n}\n\nparseExportDeclaration(node) {\n  if (this.isContextual("type")) {\n    node.exportKind = "type";\n    const declarationNode = this.startNode();\n    this.next();\n    if (this.match(types.braceL)) {\n      node.specifiers = this.parseExportSpecifiers();\n      this.parseExportFrom(node);\n      return null;\n    } else
{\n      return this.flowParseTypeAlias(declarationNode);\n    } else if (this.isContextual("opaque")) {\n      node.exportKind = "type";\n      const declarationNode = this.startNode();\n      this.next();\n      return
this.flowParseOpaqueType(declarationNode, false);\n    } else if (this.isContextual("interface")) {\n

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node.exportKind = "type";\n    const declarationNode = this.startNode();\n    this.next();\n    return
this.flowParseInterface(declarationNode);\n  } else if (this.shouldParseEnums() && this.isContextual("enum"))
{\n    node.exportKind = "value";\n    const declarationNode = this.startNode();\n    this.next();\n    return
this.flowParseEnumDeclaration(declarationNode);\n  } else {\n    return super.parseExportDeclaration(node);\n
  }\n}\n\n eatExportStar(node) {\n  if (super.eatExportStar(...arguments)) return true;\n  if
(this.isContextual("type") && this.lookahead().type === types.star) {\n    node.exportKind = "type";\n
this.next();\n    this.next();\n    return true;\n  }\n  return false;\n}\n\n maybeParseExportNamespaceSpecifier(node) {\n  const pos = this.state.start;\n  const hasNamespace =
super.maybeParseExportNamespaceSpecifier(node);\n\n  if (hasNamespace && node.exportKind === "type")
{\n    this.unexpected(pos);\n  }\n  return hasNamespace;\n}\n\n parseClassId(node, isStatement,
optionalId) {\n  super.parseClassId(node, isStatement, optionalId);\n\n  if (this.isRelational("<")) {\n
node.typeParameters = this.flowParseTypeParameterDeclaration();\n  }\n}\n\n parseClassMember(classBody,
member, state) {\n  const pos = this.state.start;\n\n  if (this.isContextual("declare")) {\n    if
(this.parseClassMemberFromModifier(classBody, member)) {\n      return;\n    }\n\n    member.declare =
true;\n  }\n\n  super.parseClassMember(classBody, member, state);\n\n  if (member.declare) {\n    if
(member.type !== "ClassProperty" && member.type !== "ClassPrivateProperty") {\n      this.raise(pos,
FlowErrors.DeclareClassElement);\n    } else if (member.value) {\n      this.raise(member.value.start,
FlowErrors.DeclareClassFieldInitializer);\n    }\n  }\n}\n\n getTokenFromCode(code) {\n  const next =
this.input.charCodeAtAt(this.state.pos + 1);\n\n  if (code === 123 && next === 124) {\n    return
this.finishOp(types.braceBarL, 2);\n  } else if (this.state.inType && (code === 62 || code === 60)) {\n    return
this.finishOp(types.relational, 1);\n  } else if (this.state.inType && code === 63) {\n    return
this.finishOp(types.question, 1);\n  } else if (isIteratorStart(code, next)) {\n    this.state.isIterator = true;\n
return super.readWord();\n  } else {\n    return super.getTokenFromCode(code);\n  }\n}\n}\n\n isAssignable(node, isBinding) {\n  switch (node.type) {\n    case "Identifier":\n    case "ObjectPattern":\n    case "ArrayPattern":\n    case "AssignmentPattern":\n      return true;\n\n    case "ObjectExpression":\n    {\n      const last = node.properties.length - 1;\n      return node.properties.every((prop, i) => {\n
return prop.type !== "ObjectMethod" && (i === last || prop.type === "SpreadElement") &&
this.isAssignable(prop);\n      });\n    }\n\n    case "ObjectProperty":\n      return
this.isAssignable(node.value);\n\n    case "SpreadElement":\n      return this.isAssignable(node.argument);\n\n    case "ArrayExpression":\n      return node.elements.every(element => this.isAssignable(element));\n\n    case "AssignmentExpression":\n      return node.operator === "=";\n\n    case "ParenthesizedExpression":\n    case "TypeCastExpression":\n      return this.isAssignable(node.expression);\n\n    case
"MemberExpression":\n    case "OptionalMemberExpression":\n      return !isBinding;\n\n    default:\n      return false;\n  }\n}\n\n toAssignable(node) {\n  if (node.type === "TypeCastExpression") {\n    return
super.toAssignable(this.typeCastToParameter(node));\n  } else {\n    return super.toAssignable(node);\n  }\n}\n\n toAssignableList(exprList, trailingCommaPos) {\n  for (let i = 0; i < exprList.length; i++) {\n    const
expr = exprList[i];\n\n    if ((expr == null ? void 0 : expr.type) === "TypeCastExpression") {\n      exprList[i]
= this.typeCastToParameter(expr);\n    }\n  }\n\n  return super.toAssignableList(exprList,
trailingCommaPos);\n}\n\n toReferencedList(exprList, isParenthesizedExpr) {\n  for (let i = 0; i <
exprList.length; i++) {\n    var _expr$extra;\n\n    const expr = exprList[i];\n\n    if (expr && expr.type ===
"TypeCastExpression" && !((_expr$extra = expr.extra) == null ? void 0 : _expr$extra.parenthesized) &&
(exprList.length > 1 || !isParenthesizedExpr)) {\n      this.raise(expr.typeAnnotation.start,
FlowErrors.TypeCastInPattern);\n    }\n  }\n\n  return exprList;\n}\n\n parseArrayLike(close,
canBePattern, isTuple, refExpressionErrors) {\n  const node = super.parseArrayLike(close, canBePattern, isTuple,
refExpressionErrors);\n\n  if (canBePattern && !this.state.maybeInArrowParameters) {\n
this.toReferencedList(node.elements);\n  }\n\n  return node;\n}\n\n checkLVal(expr, bindingType =
BIND_NONE, checkClashes, contextDescription) {\n  if (expr.type !== "TypeCastExpression") {\n    return
super.checkLVal(expr, bindingType, checkClashes, contextDescription);\n  }\n}\n}\n\n

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parseClassProperty(node) {\n  if (this.match(types.colon)) {\n    node.typeAnnotation =
this.flowParseTypeAnnotation();\n  }\n\n  return super.parseClassProperty(node);\n}\n\nparseClassPrivateProperty(node) {\n  if (this.match(types.colon)) {\n    node.typeAnnotation =
this.flowParseTypeAnnotation();\n  }\n\n  return super.parseClassPrivateProperty(node);\n}\n\nisClassMethod() {\n  return this.isRelational("<") || super.isClassMethod();\n}\n\nisClassProperty() {\n  return this.match(types.colon) || super.isClassProperty();\n}\n\nisNonstaticConstructor(method) {\n  return
!this.match(types.colon) && super.isNonstaticConstructor(method);\n}\n\npushClassMethod(classBody,
method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {\n  if (method.variance) {\n
this.unexpected(method.variance.start);\n  }\n\n  delete method.variance;\n\n  if (this.isRelational("<")) {\n
method.typeParameters = this.flowParseTypeParameterDeclaration();\n  }\n\n  super.pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper);\n}\n\npushClassPrivateMethod(classBody, method, isGenerator, isAsync) {\n  if (method.variance) {\n
this.unexpected(method.variance.start);\n  }\n\n  delete method.variance;\n\n  if (this.isRelational("<")) {\n
method.typeParameters = this.flowParseTypeParameterDeclaration();\n  }\n\n  super.pushClassPrivateMethod(classBody, method, isGenerator, isAsync);\n}\n\nparseClassSuper(node) {\n
super.parseClassSuper(node);\n\n  if (node.superClass && this.isRelational("<")) {\n
node.superTypeParameters = this.flowParseTypeParameterInstantiation();\n  }\n\n  if
(this.isContextual("implements")) {\n    this.next();\n    const implemented = node.implements = [];\n\n    do {\n      const node = this.startNode();\n      node.id = this.flowParseRestrictedIdentifier(true);\n\n      if
(this.isRelational("<")) {\n        node.typeParameters = this.flowParseTypeParameterInstantiation();\n      }
else {\n        node.typeParameters = null;\n      }\n\n      implemented.push(this.finishNode(node,
"ClassImplements")); \n    } while (this.eat(types.comma));\n  }\n\n  parsePropertyName(node,
isPrivateNameAllowed) {\n    const variance = this.flowParseVariance();\n    const key =
super.parsePropertyName(node, isPrivateNameAllowed);\n    node.variance = variance;\n    return key;\n  }\n\n  parseObjPropValue(prop, startPos, startLoc, isGenerator, isAsync, isPattern, isAccessor, refExpressionErrors) {\n
if (prop.variance) {\n  this.unexpected(prop.variance.start);\n}\n\n  delete prop.variance;\n  let
typeParameters;\n\n  if (this.isRelational("<") && !isAccessor) {\n    typeParameters =
this.flowParseTypeParameterDeclaration();\n    if (!this.match(types.parenL)) this.unexpected();\n  }\n\n  super.parseObjPropValue(prop, startPos, startLoc, isGenerator, isAsync, isPattern, isAccessor,
refExpressionErrors);\n\n  if (typeParameters) {\n    (prop.value || prop).typeParameters = typeParameters;\n  }\n}\n\n  parseAssignableListItemTypes(param) {\n    if (this.eat(types.question)) {\n      if (param.type !==
"Identifier") {\n        this.raise(param.start, FlowErrors.OptionalBindingPattern);\n      }\n\n      param.optional
= true;\n    }\n\n    if (this.match(types.colon)) {\n      param.typeAnnotation =
this.flowParseTypeAnnotation();\n    }\n\n    this.resetEndLocation(param);\n    return param;\n  }\n\n  parseMaybeDefault(startPos, startLoc, left) {\n    const node = super.parseMaybeDefault(startPos, startLoc,
left);\n\n    if (node.type === "AssignmentPattern" && node.typeAnnotation && node.right.start <
node.typeAnnotation.start) {\n      this.raise(node.typeAnnotation.start, FlowErrors.TypeBeforeInitializer);\n    }\n\n    return node;\n  }\n\n  shouldParseDefaultImport(node) {\n    if (!hasTypeImportKind(node)) {\n      return super.shouldParseDefaultImport(node);\n    }\n\n    return isMaybeDefaultImport(this.state);\n  }\n\n  parseImportSpecifierLocal(node, specifier, type, contextDescription) {\n    specifier.local =
hasTypeImportKind(node) ? this.flowParseRestrictedIdentifier(true, true) : this.parseIdentifier();\n    this.checkLVal(specifier.local, BIND_LEXICAL, undefined, contextDescription);\n\n    node.specifiers.push(this.finishNode(specifier, type));\n  }\n\n  maybeParseDefaultImportSpecifier(node) {\n    node.importKind = "value";\n    let kind = null;\n\n    if (this.match(types._typeof)) {\n      kind = "typeof";\n    }
else if (this.isContextual("type")) {\n      kind = "type";\n    }\n\n    if (kind) {\n      const lh =
this.lookahead();\n\n      if (kind === "type" && lh.type === types.star) {\n        this.unexpected(lh.start);\n      }\n\n      if (isMaybeDefaultImport(lh) || lh.type === types.braceL || lh.type === types.star) {\n        this.next();\n        node.importKind = kind;\n      }\n    }\n\n    return super.maybeParseDefaultImportSpecifier(node);\n  }\n}

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parseImportSpecifier(node) {\n  const specifier = this.startNode();\n  const firstIdentLoc = this.state.start;\n  const firstIdent = this.parseModuleExportName();\n  let specifierTypeKind = null;\n  if (firstIdent.type ===\n  \"Identifier\") {\n    if (firstIdent.name === \"type\") {\n      specifierTypeKind = \"type\";\n    } else if\n  (firstIdent.name === \"typeof\") {\n      specifierTypeKind = \"typeof\";\n    }\n  }\n  let isBinding =\n  false;\n  if (this.isContextual(\"as\") && !this.isLookaheadContextual(\"as\")) {\n    const as_ident =\n  this.parseIdentifier(true);\n    if (specifierTypeKind !== null && !this.match(types.name) &&\n  !this.state.type.keyword) {\n      specifier.imported = as_ident;\n      specifier.importKind =\n  specifierTypeKind;\n      specifier.local = as_ident.__clone();\n    } else {\n      specifier.imported =\n  firstIdent;\n      specifier.importKind = null;\n      specifier.local = this.parseIdentifier();\n    } else if\n  (specifierTypeKind !== null && (this.match(types.name) || this.state.type.keyword)) {\n      specifier.imported =\n  this.parseIdentifier(true);\n      specifier.importKind = specifierTypeKind;\n      if (this.eatContextual(\"as\")) {\n        specifier.local = this.parseIdentifier();\n      } else {\n        isBinding = true;\n        specifier.local =\n  specifier.imported.__clone();\n      }\n    } else {\n      if (firstIdent.type === \"StringLiteral\") {\n        throw\n  this.raise(specifier.start, ErrorMessages.ImportBindingIsString, firstIdent.value);\n      }\n      isBinding = true;\n      specifier.imported = firstIdent;\n      specifier.importKind = null;\n      specifier.local =\n  specifier.imported.__clone();\n    }\n  }\n  const nodeIsTypeImport = hasTypeImportKind(node);\n  const\n  specifierIsTypeImport = hasTypeImportKind(specifier);\n  if (nodeIsTypeImport && specifierIsTypeImport)\n  {\n    this.raise(firstIdentLoc, FlowErrors.ImportTypeShorthandOnlyInPureImport);\n  }\n  if\n  (nodeIsTypeImport || specifierIsTypeImport) {\n    this.checkReservedType(specifier.local.name,\n  specifier.local.start, true);\n  }\n  if (isBinding && !nodeIsTypeImport && !specifierIsTypeImport) {\n    this.checkReservedWord(specifier.local.name, specifier.start, true, true);\n  }\n  this.checkLVal(specifier.local, BIND_LEXICAL, undefined, \"import specifier\");\n  node.specifiers.push(this.finishNode(specifier, \"ImportSpecifier\"));\n  }\n  parseFunctionParams(node,\n  allowModifiers) {\n    const kind = node.kind;\n    if (kind !== \"get\" && kind !== \"set\" &&\n  this.isRelational(\"<\")) {\n      node.typeParameters = this.flowParseTypeParameterDeclaration();\n    }\n    super.parseFunctionParams(node, allowModifiers);\n  }\n  parseVarId(decl, kind) {\n    super.parseVarId(decl,\n  kind);\n    if (this.match(types.colon)) {\n      decl.id.typeAnnotation = this.flowParseTypeAnnotation();\n      this.resetEndLocation(decl.id);\n    }\n  }\n  parseAsyncArrowFromCallExpression(node, call) {\n    if\n  (this.match(types.colon)) {\n      const oldNoAnonFunctionType = this.state.noAnonFunctionType;\n      this.state.noAnonFunctionType = true;\n      node.returnType = this.flowParseTypeAnnotation();\n      this.state.noAnonFunctionType = oldNoAnonFunctionType;\n    }\n    return\n  super.parseAsyncArrowFromCallExpression(node, call);\n  }\n  shouldParseAsyncArrow() {\n    return\n  this.match(types.colon) || super.shouldParseAsyncArrow();\n  }\n  parseMaybeAssign(refExpressionErrors,\n  afterLeftParse, refNeedsArrowPos) {\n    var _jsx;\n    let state = null;\n    let jsx;\n    if\n  (this.hasPlugin(\"jsx\") && (this.match(types.jsxTagStart) || this.isRelational(\"<\"))) {\n      state =\n  this.state.clone();\n      jsx = this.tryParse(() => super.parseMaybeAssign(refExpressionErrors, afterLeftParse,\n  refNeedsArrowPos), state);\n      if (!jsx.error) return jsx.node;\n      const {\n        context\n      } =\n  this.state;\n      if (context[context.length - 1] === types$1.j_oTag) {\n        context.length -= 2;\n      } else if\n  (context[context.length - 1] === types$1.j_expr) {\n        context.length -= 1;\n      }\n    }\n    if (((_jsx = jsx)\n  == null ? void 0 : _jsx.error) || this.isRelational(\"<\")) {\n      var _jsx2, _jsx3;\n      state = state ||\n  this.state.clone();\n      let typeParameters;\n      const arrow = this.tryParse(abort => {\n        var\n  _arrowExpression$extr;\n        typeParameters = this.flowParseTypeParameterDeclaration();\n        const\n  arrowExpression = this.forwardNoArrowParamsConversionAt(typeParameters, () => {\n          const result =\n  super.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos);\n          this.resetStartLocationFromNode(result, typeParameters);\n          return result;\n        });\n        if\n  (arrowExpression.type !== \"ArrowFunctionExpression\" && ((_arrowExpression$extr = arrowExpression.extra)\n  == null ? void 0 : _arrowExpression$extr.parenthesized)) {\n          abort();\n        }\n        const expr =\n  this.maybeUnwrapTypeCastExpression(arrowExpression);\n        expr.typeParameters = typeParameters;\n      });\n    }\n  }

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this.resetStartLocationFromNode(expr, typeParameters);
return arrowExpression;
}, state);
let
arrowExpression = null;
if (arrow.node && this.maybeUnwrapTypeCastExpression(arrow.node).type ===
"ArrowFunctionExpression") {
if (!arrow.error && !arrow.aborted) {
if (arrow.node.async) {
this.raise(typeParameters.start, FlowErrors.UnexpectedTypeParameterBeforeAsyncArrowFunction);
}
return arrow.node;
}
arrowExpression = arrow.node;
if ((_jsx2 = jsx)
== null ? void 0 : _jsx2.node) {
this.state = jsx.failState;
return jsx.node;
}
if
(arrowExpression) {
this.state = arrow.failState;
return arrowExpression;
}
if ((_jsx3 =
jsx) == null ? void 0 : _jsx3.thrown) throw jsx.error;
if (arrow.thrown) throw arrow.error;
throw
this.raise(typeParameters.start, FlowErrors.UnexpectedTokenAfterTypeParameter);
}
return
super.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos);
}
parseArrow(node)
{
if (this.match(types.colon)) {
const result = this.tryParse(() => {
const
oldNoAnonFunctionType = this.state.noAnonFunctionType;
this.state.noAnonFunctionType = true;
const typeNode = this.startNode();
[typeNode.typeAnnotation, node.predicate] =
this.flowParseTypeAndPredicateInitialiser();
this.state.noAnonFunctionType = oldNoAnonFunctionType;
if (this.canInsertSemicolon()) this.unexpected();
if (!this.match(types.arrow)) this.unexpected();
return typeNode;
});
if (result.thrown) return null;
if (result.error) this.state = result.failState;
node.returnType = result.node.typeAnnotation ? this.finishNode(result.node, "TypeAnnotation") : null;
}
return super.parseArrow(node);
}
shouldParseArrow() {
return this.match(types.colon) ||
super.shouldParseArrow();
}
setArrowFunctionParameters(node, params) {
if
(this.state.noArrowParamsConversionAt.indexOf(node.start) !== -1) {
node.params = params;
} else {
super.setArrowFunctionParameters(node, params);
}
}
checkParams(node, allowDuplicates,
isArrowFunction) {
if (isArrowFunction && this.state.noArrowParamsConversionAt.indexOf(node.start) !== -
1) {
return;
}
return super.checkParams(...arguments);
}
}
parseParenAndDistinguishExpression(canBeArrow) {
return
super.parseParenAndDistinguishExpression(canBeArrow && this.state.noArrowAt.indexOf(this.state.start) === -
1);
}
parseSubscripts(base, startPos, startLoc, noCalls) {
if (base.type === "Identifier" &&
base.name === "async" && this.state.noArrowAt.indexOf(startPos) !== -1) {
this.next();
const node =
this.startNodeAt(startPos, startLoc);
node.callee = base;
node.arguments =
this.parseCallExpressionArguments(types.parenR, false);
base = this.finishNode(node, "CallExpression");
} else if (base.type === "Identifier" && base.name === "async" && this.isRelational("<")) {
const state
= this.state.clone();
const arrow = this.tryParse(abort => this.parseAsyncArrowWithTypeParameters(startPos,
startLoc) || abort(), state);
if (!arrow.error && !arrow.aborted) return arrow.node;
const result =
this.tryParse(() => super.parseSubscripts(base, startPos, startLoc, noCalls), state);
if (result.node &&
!result.error) return result.node;
if (arrow.node) {
this.state = arrow.failState;
return
arrow.node;
}
if (result.node) {
this.state = result.failState;
return result.node;
}
throw arrow.error || result.error;
}
return super.parseSubscripts(base, startPos, startLoc,
noCalls);
}
parseSubscript(base, startPos, startLoc, noCalls, subscriptState) {
if
(this.match(types.questionDot) && this.isLookaheadToken_It()) {
subscriptState.optionalChainMember =
true;
if (noCalls) {
subscriptState.stop = true;
return base;
}
this.next();
const node = this.startNodeAt(startPos, startLoc);
node.callee = base;
node.typeArguments =
this.flowParseTypeParameterInstantiation();
this.expect(types.parenL);
node.arguments =
this.parseCallExpressionArguments(types.parenR, false);
node.optional = true;
return
this.finishCallExpression(node, true);
} else if (!noCalls && this.shouldParseTypes() &&
this.isRelational("<")) {
const node = this.startNodeAt(startPos, startLoc);
node.callee = base;
const result = this.tryParse(() => {
node.typeArguments =
this.flowParseTypeParameterInstantiationCallOrNew();
this.expect(types.parenL);
node.arguments =
this.parseCallExpressionArguments(types.parenR, false);
if (subscriptState.optionalChainMember)
node.optional = false;
return this.finishCallExpression(node, subscriptState.optionalChainMember);
}
}
}

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});\n\n    if (result.node) {\n        if (result.error) this.state = result.failState;\n        return result.node;\n    }\n\n    return super.parseSubscript(base, startPos, startLoc, noCalls, subscriptState);\n}\n\nparseNewArguments(node) {\n    let targ$ = null;\n\n    if (this.shouldParseTypes() && this.isRelational("<"))\n    {\n        targ$ = this.tryParse(() => this.flowParseTypeParameterInstantiationCallOrNew()).node;\n    }\n\n    node.typeArguments = targ$;\n    super.parseNewArguments(node);\n}\n\nparseAsyncArrowWithTypeParameters(startPos, startLoc) {\n    const node = this.startNodeAt(startPos, startLoc);\n    this.parseFunctionParams(node);\n    if (!this.parseArrow(node)) return;\n    return this.parseArrowExpression(node, undefined, true);\n}\n\nreadToken_mult_modulo(code) {\n    const next = this.input.charCodeAt(this.state.pos + 1);\n\n    if (code === 42 && next === 47 && this.state.hasFlowComment)\n    {\n        this.state.hasFlowComment = false;\n        this.state.pos += 2;\n        this.nextToken();\n        return;\n    }\n\n    super.readToken_mult_modulo(code);\n}\n\nreadToken_pipe_amp(code) {\n    const next = this.input.charCodeAt(this.state.pos + 1);\n\n    if (code === 124 && next === 125) {\n        this.finishOp(types.braceBarR, 2);\n        return;\n    }\n\n    super.readToken_pipe_amp(code);\n}\n\nparseTopLevel(file, program) {\n    const fileNode = super.parseTopLevel(file, program);\n\n    if (this.state.hasFlowComment) {\n        this.raise(this.state.pos, FlowErrors.UnterminatedFlowComment);\n    }\n\n    return fileNode;\n}\n\nskipBlockComment() {\n    if (this.hasPlugin("flowComments") && this.skipFlowComment()) {\n        if (this.state.hasFlowComment) {\n            this.unexpected(null, FlowErrors.NestedFlowComment);\n        }\n\n        this.hasFlowCommentCompletion();\n        this.state.pos += this.skipFlowComment();\n        this.state.hasFlowComment = true;\n        return;\n    }\n\n    if (this.state.hasFlowComment) {\n        const end = this.input.indexOf("*/", this.state.pos + 2);\n\n        if (end === -1) {\n            throw this.raise(this.state.pos - 2, ErrorMessages.UnterminatedComment);\n        }\n\n        this.state.pos = end + 3;\n        return;\n    }\n\n    super.skipBlockComment();\n}\n\nskipFlowComment() {\n    const {\n        pos\n    } = this.state;\n    let shiftToFirstNonWhiteSpace = 2;\n\n    while ([32, 9].includes(this.input.charCodeAt(pos + shiftToFirstNonWhiteSpace))) {\n        shiftToFirstNonWhiteSpace++;\n    }\n\n    const ch2 = this.input.charCodeAt(shiftToFirstNonWhiteSpace + pos);\n    const ch3 = this.input.charCodeAt(shiftToFirstNonWhiteSpace + pos + 1);\n\n    if (ch2 === 58 && ch3 === 58) {\n        return shiftToFirstNonWhiteSpace + 2;\n    }\n\n    if (this.input.slice(shiftToFirstNonWhiteSpace + pos, shiftToFirstNonWhiteSpace + pos + 12) === "flow-include") {\n        return shiftToFirstNonWhiteSpace + 12;\n    }\n\n    if (ch2 === 58 && ch3 !== 58) {\n        return shiftToFirstNonWhiteSpace;\n    }\n\n    return false;\n}\n\nhasFlowCommentCompletion() {\n    const end = this.input.indexOf("*/", this.state.pos);\n\n    if (end === -1) {\n        throw this.raise(this.state.pos, ErrorMessages.UnterminatedComment);\n    }\n}\n\nflowEnumErrorBooleanMemberNotInitialized(pos, {\n    enumName,\n    memberName\n}) {\n    this.raise(pos, FlowErrors.EnumBooleanMemberNotInitialized, memberName, enumName);\n}\n\nflowEnumErrorInvalidMemberName(pos, {\n    enumName,\n    memberName\n}) {\n    const suggestion = memberName[0].toUpperCase() + memberName.slice(1);\n    this.raise(pos, FlowErrors.EnumInvalidMemberName, memberName, suggestion, enumName);\n}\n\nflowEnumErrorDuplicateMemberName(pos, {\n    enumName,\n    memberName\n}) {\n    this.raise(pos, FlowErrors.EnumDuplicateMemberName, memberName, enumName);\n}\n\nflowEnumErrorInconsistentMemberValues(pos, {\n    enumName\n}) {\n    this.raise(pos, FlowErrors.EnumInconsistentMemberValues, enumName);\n}\n\nflowEnumErrorInvalidExplicitType(pos, {\n    enumName,\n    suppliedType\n}) {\n    return this.raise(pos, suppliedType === null ? FlowErrors.EnumInvalidExplicitTypeUnknownSupplied : FlowErrors.EnumInvalidExplicitType, enumName, suppliedType);\n}\n\nflowEnumErrorInvalidMemberInitializer(pos, {\n    enumName,\n    explicitType,\n    memberName\n}) {\n    let message = null;\n\n    switch (explicitType) {\n        case "boolean":\n        case "number":\n        case "string":\n            message = FlowErrors.EnumInvalidMemberInitializerPrimaryType;\n            break;\n        case "symbol":\n            message = FlowErrors.EnumInvalidMemberInitializerSymbolType;\n            break;\n        default:\n            message = FlowErrors.EnumInvalidMemberInitializerUnknownType;\n    }\n\n    return this.raise(pos, message, enumName, memberName, explicitType);\n}\n}

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flowEnumErrorNumberMemberNotInitialized(pos, {\n  enumName,\n  memberName\n }) {\n
this.raise(pos, FlowErrors.EnumNumberMemberNotInitialized, enumName, memberName);\n }\n\n
flowEnumErrorStringMemberInconsistentlyInitailized(pos, {\n  enumName\n }) {\n  this.raise(pos,
FlowErrors.EnumStringMemberInconsistentlyInitailized, enumName);\n }\n\n
flowEnumMemberInit() {\n
const startPos = this.state.start;\n\n  const endOfInit = () => this.match(types.comma) ||
this.match(types.braceR);\n\n  switch (this.state.type) {\n    case types.num:\n      {\n        const literal =
this.parseLiteral(this.state.value, \"NumericLiteral\");\n\n        if (endOfInit()) {\n          return {\n
type: \"number\", \n          pos: literal.start, \n          value: literal\n          };\n        }\n\n        return {\n
type: \"invalid\", \n          pos: startPos\n          };\n        }\n\n      case types.string:\n        {\n          const
literal = this.parseLiteral(this.state.value, \"StringLiteral\");\n\n          if (endOfInit()) {\n            return {\n
type: \"string\", \n            pos: literal.start, \n            value: literal\n            };\n          }\n\n          return {\n
type: \"invalid\", \n            pos: startPos\n            };\n          }\n\n        case types._true:\n          case types._false:\n
{\n          const literal = this.parseBooleanLiteral();\n\n          if (endOfInit()) {\n            return {\n
type: \"boolean\", \n            pos: literal.start, \n            value: literal\n            };\n          }\n\n          return {\n
type: \"invalid\", \n            pos: startPos\n            };\n          }\n\n        default:\n          return {\n            type:
\"invalid\", \n            pos: startPos\n            };\n          }\n\n      }\n\n    }\n\n  flowEnumMemberRaw() {\n    const pos =
this.state.start;\n    const id = this.parseIdentifier(true);\n    const init = this.eat(types.eq) ?
this.flowEnumMemberInit() : {\n      type: \"none\", \n      pos\n    }; \n    return {\n      id, \n      init\n    };\n
}\n\n  flowEnumCheckExplicitTypeMismatch(pos, context, expectedType) {\n    const {\n      explicitType\n    } = context;\n\n    if (explicitType === null) {\n      return;\n    }\n\n    if (explicitType !== expectedType) {\n
this.flowEnumErrorInvalidMemberInitializer(pos, context);\n    }\n\n  }\n\n  flowEnumMembers({\n    enumName, \n    explicitType\n  }) {\n    const seenNames = new Set();\n    const members = {\n
booleanMembers: [], \n    numberMembers: [], \n    stringMembers: [], \n    defaultedMembers: []\n    };\n\n    while (!this.match(types.braceR)) {\n      const memberNode = this.startNode();\n      const {\n        id, \n
init\n      } = this.flowEnumMemberRaw();\n      const memberName = id.name;\n\n      if (memberName ===
\"\") {\n        continue;\n      }\n\n      if (/^[a-z]/.test(memberName)) {\n
this.flowEnumErrorInvalidMemberName(id.start, {\n      enumName, \n      memberName\n    });\n
}\n\n      if (seenNames.has(memberName)) {\n        this.flowEnumErrorDuplicateMemberName(id.start, {\n
enumName, \n      memberName\n    });\n      }\n\n      seenNames.add(memberName);\n      const
context = {\n      enumName, \n      explicitType, \n      memberName\n    }; \n      memberNode.id = id;\n\n      switch (init.type) {\n        case \"boolean\":\n          {\n
this.flowEnumCheckExplicitTypeMismatch(init.pos, context, \"boolean\");\n          memberNode.init =
init.value;\n          members.booleanMembers.push(this.finishNode(memberNode, \"EnumBooleanMember\"));\n          break;\n          }\n\n        case \"number\":\n          {\n
this.flowEnumCheckExplicitTypeMismatch(init.pos, context, \"number\");\n          memberNode.init =
init.value;\n          members.numberMembers.push(this.finishNode(memberNode, \"EnumNumberMember\"));\n          break;\n          }\n\n        case \"string\":\n          {\n
this.flowEnumCheckExplicitTypeMismatch(init.pos, context, \"string\");\n          memberNode.init = init.value;\n          members.stringMembers.push(this.finishNode(memberNode, \"EnumStringMember\"));\n          break;\n          }\n\n        case \"invalid\":\n          {\n            throw this.flowEnumErrorInvalidMemberInitializer(init.pos,
context);\n          }\n\n        case \"none\":\n          {\n            switch (explicitType) {\n              case
\"boolean\":\n                this.flowEnumErrorBooleanMemberNotInitialized(init.pos, context);\n                break;\n              case \"number\":\n                this.flowEnumErrorNumberMemberNotInitialized(init.pos,
context);\n                break;\n              default:\n                members.defaultedMembers.push(this.finishNode(memberNode, \"EnumDefaultedMember\"));\n              }\n          }\n\n        }\n\n      if (!this.match(types.braceR)) {\n        this.expect(types.comma);\n      }\n\n    }\n\n    return
members;\n  }\n\n  flowEnumStringMembers(initializedMembers, defaultedMembers, {\n    enumName\n  })
{\n    if (initializedMembers.length === 0) {\n      return defaultedMembers;\n    } else if

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(defaultedMembers.length === 0) {\n    return initializedMembers;\n  } else if (defaultedMembers.length >
initializedMembers.length) {\n    for (let _i = 0; _i < initializedMembers.length; _i++) {\n      const member =
initializedMembers[_i];\n      this.flowEnumErrorStringMemberInconsistentlyInitailized(member.start, {\n
enumName\n      });\n    }\n    return defaultedMembers;\n  } else {\n    for (let _i2 = 0; _i2 <
defaultedMembers.length; _i2++) {\n      const member = defaultedMembers[_i2];\n
this.flowEnumErrorStringMemberInconsistentlyInitailized(member.start, {\n      enumName\n      });\n
}\n    return initializedMembers;\n  }\n}\n\nflowEnumParseExplicitType({\n  enumName\n}) {\n
if (this.eatContextual("of")) {\n  if (!this.match(types.name)) {\n    throw
this.flowEnumErrorInvalidExplicitType(this.state.start, {\n      enumName,\n      suppliedType: null\n
});\n  }\n  const {\n    value\n  } = this.state;\n  this.next();\n  if (value !== "boolean" &&
value !== "number" && value !== "string" && value !== "symbol") {\n
this.flowEnumErrorInvalidExplicitType(this.state.start, {\n      enumName,\n      suppliedType: value\n
});\n  }\n  return value;\n}\n\nreturn null;\n}\n\nflowEnumBody(node, {\n  enumName,\n
nameLoc\n}) {\n  const explicitType = this.flowEnumParseExplicitType({\n    enumName\n  });\n
this.expect(types.braceL);\n  const members = this.flowEnumMembers({\n    enumName,\n    explicitType\n
});\n  switch (explicitType) {\n    case "boolean":\n      node.explicitType = true;\n      node.members
= members.booleanMembers;\n      this.expect(types.braceR);\n      return this.finishNode(node,
"EnumBooleanBody");\n    case "number":\n      node.explicitType = true;\n      node.members =
members.numberMembers;\n      this.expect(types.braceR);\n      return this.finishNode(node,
"EnumNumberBody");\n    case "string":\n      node.explicitType = true;\n      node.members =
this.flowEnumStringMembers(members.stringMembers, members.defaultedMembers, {\n      enumName\n
});\n      this.expect(types.braceR);\n      return this.finishNode(node, "EnumStringBody");\n    case
"symbol":\n      node.members = members.defaultedMembers;\n      this.expect(types.braceR);\n      return
this.finishNode(node, "EnumSymbolBody");\n    default:\n      {\n        const empty = () => {\n
node.members = [];\n        this.expect(types.braceR);\n        return this.finishNode(node,
"EnumStringBody");\n      }\n      node.explicitType = false;\n      const boolsLen =
members.booleanMembers.length;\n      const numsLen = members.numberMembers.length;\n      const
strsLen = members.stringMembers.length;\n      const defaultedLen = members.defaultedMembers.length;\n
\n      if (!boolsLen && !numsLen && !strsLen && !defaultedLen) {\n        return empty();\n      } else if
(!boolsLen && !numsLen) {\n        node.members = this.flowEnumStringMembers(members.stringMembers,
members.defaultedMembers, {\n          enumName\n        });\n        this.expect(types.braceR);\n
return this.finishNode(node, "EnumStringBody");\n      } else if (!numsLen && !strsLen && boolsLen >=
defaultedLen) {\n        for (let _i3 = 0, _members$defaultedMem = members.defaultedMembers; _i3 <
_members$defaultedMem.length; _i3++) {\n          const member = _members$defaultedMem[_i3];\n
this.flowEnumErrorBooleanMemberNotInitialized(member.start, {\n          enumName,\n
memberName: member.id.name\n          });\n        }\n        node.members =
members.booleanMembers;\n        this.expect(types.braceR);\n        return this.finishNode(node,
"EnumBooleanBody");\n      } else if (!boolsLen && !strsLen && numsLen >= defaultedLen) {\n        for
(let _i4 = 0, _members$defaultedMem2 = members.defaultedMembers; _i4 < _members$defaultedMem2.length;
_i4++) {\n          const member = _members$defaultedMem2[_i4];\n
this.flowEnumErrorNumberMemberNotInitialized(member.start, {\n          enumName,\n
memberName: member.id.name\n          });\n        }\n        node.members =
members.numberMembers;\n        this.expect(types.braceR);\n        return this.finishNode(node,
"EnumNumberBody");\n      } else {\n        this.flowEnumErrorInconsistentMemberValues(nameLoc, {\n
enumName\n        });\n        return empty();\n      }\n    }\n  }\n}\n\n\n}\n\n\n}\n\n\n}\n\n\n
flowParseEnumDeclaration(node) {\n  const id = this.parseIdentifier();\n  node.id = id;\n  node.body =
this.flowEnumBody(this.startNode(), {\n    enumName: id.name,\n    nameLoc: id.start\n  });\n  return
this.finishNode(node, "EnumDeclaration");\n}\n\nupdateContext(prevType) {\n  if (this.match(types.name)

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&& this.state.value === \"of\" && prevType === types.name && this.input.slice(this.state.lastTokStart,
this.state.lastTokEnd) === \"interface\") {\n  this.state.exprAllowed = false;\n } else {\n
super.updateContext(prevType);\n } \n } \n\n isLookaheadToken_1t() {\n  const next =
this.nextTokenStart();\n\n  if (this.input.charCodeAt(next) === 60) {\n    const afterNext =
this.input.charCodeAt(next + 1);\n    return afterNext !== 60 && afterNext !== 61;\n  } \n\n  return false;\n
}\n\n maybeUnwrapTypeCastExpression(node) {\n  return node.type === \"TypeCastExpression\" ?
node.expression : node;\n } \n\n }, _temp;\n});\n\nconst entities = {\n  quot: \"\\u0022\", \n  amp: \"&\", \n  apos:
\"\\u0027\", \n  lt: \"<\", \n  gt: \">\", \n  nbsp: \"\\u00A0\", \n  iexcl: \"\\u00A1\", \n  cent: \"\\u00A2\", \n  pound:
\"\\u00A3\", \n  curren: \"\\u00A4\", \n  yen: \"\\u00A5\", \n  brvbar: \"\\u00A6\", \n  sect: \"\\u00A7\", \n  uml:
\"\\u00A8\", \n  copy: \"\\u00A9\", \n  ordf: \"\\u00AA\", \n  laquo: \"\\u00AB\", \n  not: \"\\u00AC\", \n  shy:
\"\\u00AD\", \n  reg: \"\\u00AE\", \n  macr: \"\\u00AF\", \n  deg: \"\\u00B0\", \n  plusmn: \"\\u00B1\", \n  sup2:
\"\\u00B2\", \n  sup3: \"\\u00B3\", \n  acute: \"\\u00B4\", \n  micro: \"\\u00B5\", \n  para: \"\\u00B6\", \n  middot:
\"\\u00B7\", \n  cedil: \"\\u00B8\", \n  sup1: \"\\u00B9\", \n  ordm: \"\\u00BA\", \n  raquo: \"\\u00BB\", \n  frac14:
\"\\u00BC\", \n  frac12: \"\\u00BD\", \n  frac34: \"\\u00BE\", \n  iquest: \"\\u00BF\", \n  Agrave: \"\\u00C0\", \n
Aacute: \"\\u00C1\", \n  Acirc: \"\\u00C2\", \n  Atilde: \"\\u00C3\", \n  Auml: \"\\u00C4\", \n  Aring: \"\\u00C5\", \n
AElig: \"\\u00C6\", \n  Ccedil: \"\\u00C7\", \n  Egrave: \"\\u00C8\", \n  Eacute: \"\\u00C9\", \n  Ecirc: \"\\u00CA\", \n
Euml: \"\\u00CB\", \n  Igrave: \"\\u00CC\", \n  Iacute: \"\\u00CD\", \n  Icirc: \"\\u00CE\", \n  Iuml: \"\\u00CF\", \n
ETH: \"\\u00D0\", \n  Ntilde: \"\\u00D1\", \n  Ograve: \"\\u00D2\", \n  Oacute: \"\\u00D3\", \n  Ocirc: \"\\u00D4\", \n
Otilde: \"\\u00D5\", \n  Ouml: \"\\u00D6\", \n  times: \"\\u00D7\", \n  Oslash: \"\\u00D8\", \n  Ugrave: \"\\u00D9\", \n
Uacute: \"\\u00DA\", \n  Ucirc: \"\\u00DB\", \n  Uuml: \"\\u00DC\", \n  Yacute: \"\\u00DD\", \n  THORN:
\"\\u00DE\", \n  szlig: \"\\u00DF\", \n  agrave: \"\\u00E0\", \n  aacute: \"\\u00E1\", \n  acirc: \"\\u00E2\", \n  atilde:
\"\\u00E3\", \n  auml: \"\\u00E4\", \n  aring: \"\\u00E5\", \n  aelig: \"\\u00E6\", \n  ccedil: \"\\u00E7\", \n  egrave:
\"\\u00E8\", \n  eacute: \"\\u00E9\", \n  ecirc: \"\\u00EA\", \n  euml: \"\\u00EB\", \n  igrave: \"\\u00EC\", \n  iacute:
\"\\u00ED\", \n  icirc: \"\\u00EE\", \n  iuml: \"\\u00EF\", \n  eth: \"\\u00F0\", \n  ntilde: \"\\u00F1\", \n  ograve:
\"\\u00F2\", \n  oacute: \"\\u00F3\", \n  ocirc: \"\\u00F4\", \n  otilde: \"\\u00F5\", \n  ouml: \"\\u00F6\", \n  divide:
\"\\u00F7\", \n  oslash: \"\\u00F8\", \n  ugrave: \"\\u00F9\", \n  uacute: \"\\u00FA\", \n  ucirc: \"\\u00FB\", \n  uuml:
\"\\u00FC\", \n  yacute: \"\\u00FD\", \n  thorn: \"\\u00FE\", \n  yuml: \"\\u00FF\", \n  OElig: \"\\u0152\", \n  oelig:
\"\\u0153\", \n  Scaron: \"\\u0160\", \n  scaron: \"\\u0161\", \n  Yuml: \"\\u0178\", \n  fnof: \"\\u0192\", \n  circ:
\"\\u02C6\", \n  tilde: \"\\u02DC\", \n  Alpha: \"\\u0391\", \n  Beta: \"\\u0392\", \n  Gamma: \"\\u0393\", \n  Delta:
\"\\u0394\", \n  Epsilon: \"\\u0395\", \n  Zeta: \"\\u0396\", \n  Eta: \"\\u0397\", \n  Theta: \"\\u0398\", \n  Iota:
\"\\u0399\", \n  Kappa: \"\\u039A\", \n  Lambda: \"\\u039B\", \n  Mu: \"\\u039C\", \n  Nu: \"\\u039D\", \n  Xi:
\"\\u039E\", \n  Omicron: \"\\u039F\", \n  Pi: \"\\u03A0\", \n  Rho: \"\\u03A1\", \n  Sigma: \"\\u03A3\", \n  Tau:
\"\\u03A4\", \n  Upsilon: \"\\u03A5\", \n  Phi: \"\\u03A6\", \n  Chi: \"\\u03A7\", \n  Psi: \"\\u03A8\", \n  Omega:
\"\\u03A9\", \n  alpha: \"\\u03B1\", \n  beta: \"\\u03B2\", \n  gamma: \"\\u03B3\", \n  delta: \"\\u03B4\", \n  epsilon:
\"\\u03B5\", \n  zeta: \"\\u03B6\", \n  eta: \"\\u03B7\", \n  theta: \"\\u03B8\", \n  iota: \"\\u03B9\", \n  kappa:
\"\\u03BA\", \n  lambda: \"\\u03BB\", \n  mu: \"\\u03BC\", \n  nu: \"\\u03BD\", \n  xi: \"\\u03BE\", \n  omicron:
\"\\u03BF\", \n  pi: \"\\u03C0\", \n  rho: \"\\u03C1\", \n  sigmaf: \"\\u03C2\", \n  sigma: \"\\u03C3\", \n  tau:
\"\\u03C4\", \n  upsilon: \"\\u03C5\", \n  phi: \"\\u03C6\", \n  chi: \"\\u03C7\", \n  psi: \"\\u03C8\", \n  omega:
\"\\u03C9\", \n  thetasym: \"\\u03D1\", \n  upsih: \"\\u03D2\", \n  piv: \"\\u03D6\", \n  enspace: \"\\u2002\", \n  emspace:
\"\\u2003\", \n  thinspace: \"\\u2009\", \n  zwj: \"\\u200C\", \n  zwnj: \"\\u200D\", \n  lrm: \"\\u200E\", \n  rlm:
\"\\u200F\", \n  ndash: \"\\u2013\", \n  mdash: \"\\u2014\", \n  lsquo: \"\\u2018\", \n  rsquo: \"\\u2019\", \n  sbquo:
\"\\u201A\", \n  ldquo: \"\\u201C\", \n  rdquo: \"\\u201D\", \n  bdquo: \"\\u201E\", \n  dagger: \"\\u2020\", \n  Dagger:
\"\\u2021\", \n  bull: \"\\u2022\", \n  hellip: \"\\u2026\", \n  permil: \"\\u2030\", \n  prime: \"\\u2032\", \n  Prime:
\"\\u2033\", \n  lsquo: \"\\u2039\", \n  rsquo: \"\\u203A\", \n  oline: \"\\u203E\", \n  frasl: \"\\u2044\", \n  euro:
\"\\u20AC\", \n  image: \"\\u2111\", \n  weierp: \"\\u2118\", \n  real: \"\\u211C\", \n  trade: \"\\u2122\", \n  alefsym:
\"\\u2135\", \n  larr: \"\\u2190\", \n  uarr: \"\\u2191\", \n  rarr: \"\\u2192\", \n  darr: \"\\u2193\", \n  harr: \"\\u2194\", \n
crarr: \"\\u21B5\", \n  lArr: \"\\u21D0\", \n  uArr: \"\\u21D1\", \n  rArr: \"\\u21D2\", \n  dArr: \"\\u21D3\", \n  hArr:
\"\\u21D4\", \n  forall: \"\\u2200\", \n  part: \"\\u2202\", \n  exist: \"\\u2203\", \n  empty: \"\\u2205\", \n  nabla:

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"\u2207",\n isin: "\u2208",\n notin: "\u2209",\n ni: "\u220B",\n prod: "\u220F",\n sum: "\u2211",\n
minus: "\u2212",\n lowast: "\u2217",\n radic: "\u221A",\n prop: "\u221D",\n infin: "\u221E",\n ang:
"\u2220",\n and: "\u2227",\n or: "\u2228",\n cap: "\u2229",\n cup: "\u222A",\n int: "\u222B",\n
there4: "\u2234",\n sim: "\u223C",\n cong: "\u2245",\n asymp: "\u2248",\n ne: "\u2260",\n equiv:
"\u2261",\n le: "\u2264",\n ge: "\u2265",\n sub: "\u2282",\n sup: "\u2283",\n nsub: "\u2284",\n
sube: "\u2286",\n supe: "\u2287",\n oplus: "\u2295",\n otimes: "\u2297",\n perp: "\u22A5",\n sdot:
"\u22C5",\n lceil: "\u2308",\n rceil: "\u2309",\n lfloor: "\u230A",\n rfloor: "\u230B",\n lang:
"\u2329",\n rang: "\u232A",\n loz: "\u25CA",\n spades: "\u2660",\n clubs: "\u2663",\n hearts:
"\u2665",\n diams: "\u2666"};\n\nconst HEX_NUMBER = /^[da-fA-F]+$/;\nconst DECIMAL_NUMBER =
/^[d+$/;\n\nconst JsxErrors = Object.freeze({\n  AttributeIsEmpty: "\u201cJSX attributes must only be assigned a non-
empty expression\u201c",\n  MissingClosingTagFragment: "\u201cExpected corresponding JSX closing tag for <>\u201c",\n
  MissingClosingTagElement: "\u201cExpected corresponding JSX closing tag for <%0>\u201c",\n  UnsupportedJsxValue: "\u201cJSX
value should be either an expression or a quoted JSX text\u201c",\n  UnterminatedJsxContent: "\u201cUnterminated JSX
contents\u201c",\n  UnwrappedAdjacentJSXElements: "\u201cAdjacent JSX elements must be wrapped in an enclosing tag. Did
you want a JSX fragment <>...</>?\u201c"});\n\nntypes$1.j_oTag = new TokContext("\u201c<tag\u201c", false);\nntypes$1.j_cTag =
new TokContext("\u201c</tag\u201c", false);\nntypes$1.j_expr = new TokContext("\u201c<tag>...</tag>\u201c", true, true);\nntypes.jsxName =
new TokenType("\u201cjsxName\u201c");\nntypes.jsxText = new TokenType("\u201cjsxText\u201c", {\n  beforeExpr:
true\n});\nntypes.jsxTagStart = new TokenType("\u201cjsxTagStart\u201c", {\n  startsExpr: true\n});\nntypes.jsxTagEnd = new
TokenType("\u201cjsxTagEnd\u201c");\n\nntypes.jsxTagStart.updateContext = function () {\n
  this.state.context.push(types$1.j_expr);\n  this.state.context.push(types$1.j_oTag);\n  this.state.exprAllowed =
false;\n};\n\nntypes.jsxTagEnd.updateContext = function (prevType) {\n  const out = this.state.context.pop();\n\n  if
(out === types$1.j_oTag && prevType === types.slash || out === types$1.j_cTag) {\n    this.state.context.pop();\n
    this.state.exprAllowed = this.curContext() === types$1.j_expr;\n  } else {\n    this.state.exprAllowed = true;\n
  }\n};\n\nfunction isFragment(object) {\n  return object ? object.type === "\u201cJSXOpeningFragment\u201c" || object.type
=== "\u201cJSXClosingFragment\u201c" : false;\n}\n\nfunction getQualifiedJSXName(object) {\n  if (object.type ===
"\u201cJSXIdentifier\u201c") {\n    return object.name;\n  }\n\n  if (object.type === "\u201cJSXNamespacedName\u201c") {\n
    return object.namespace.name + "\u201c:\u201c" + object.name.name;\n  }\n\n  if (object.type === "\u201cJSXMemberExpression\u201c") {\n
    return getQualifiedJSXName(object.object) + "\u201c.\u201c" + getQualifiedJSXName(object.property);\n  }\n\n  throw new
Error("\u201cNode had unexpected type: \u201c + object.type);\n}\n\nvar jsx = (superClass => class extends superClass {\n
  jsxReadToken() {\n    let out = \"\";\n    let chunkStart = this.state.pos;\n\n    for (;) {\n      if (this.state.pos >=
this.length) {\n        throw this.raise(this.state.start, JsxErrors.UnterminatedJsxContent);\n      }\n\n      const ch =
this.input.charCodeAtAt(this.state.pos);\n\n      switch (ch) {\n        case 60:\n          case 123:\n            if (this.state.pos
=== this.state.start) {\n              if (ch === 60 && this.state.exprAllowed) {\n                ++this.state.pos;\n
              }\n\n              return this.finishToken(types.jsxTagStart);\n            }\n\n            return super.getTokenFromCode(ch);\n          }\n\n
          out += this.input.slice(chunkStart, this.state.pos);\n          return this.finishToken(types.jsxText, out);\n        case 38:\n
          out += this.input.slice(chunkStart, this.state.pos);\n          out += this.jsxReadEntity();\n          chunkStart =
this.state.pos;\n          break;\n\n          default:\n            if (isNewLine(ch)) {\n              out +=
this.input.slice(chunkStart, this.state.pos);\n              out += this.jsxReadNewLine(true);\n              chunkStart =
this.state.pos;\n            } else {\n              ++this.state.pos;\n            }\n          }\n\n          jsxReadNewLine(normalizeCRLF) {\n
            const ch = this.input.charCodeAtAt(this.state.pos);\n            let out;\n            ++this.state.pos;\n\n            if (ch === 13 && this.input.charCodeAtAt(this.state.pos) === 10) {\n              ++this.state.pos;\n
              out = normalizeCRLF ? "\u201c\\n\u201c : "\u201c\\r\\n\u201c;\n            } else {\n              out = String.fromCharCode(ch);\n            }\n
            ++this.state.curLine;\n            this.state.lineStart = this.state.pos;\n            return out;\n          }\n\n          jsxReadString(quote) {\n
            let out = \"\";\n            let chunkStart = ++this.state.pos;\n\n            for (;) {\n              if (this.state.pos >= this.length) {\n
              throw this.raise(this.state.start, ErrorMessages.UnterminatedString);\n            }\n\n            const ch =
this.input.charCodeAtAt(this.state.pos);\n            if (ch === quote) break;\n\n            if (ch === 38) {\n              out +=
this.input.slice(chunkStart, this.state.pos);\n              out += this.jsxReadEntity();\n              chunkStart = this.state.pos;\n
            } else if (isNewLine(ch)) {\n              out += this.input.slice(chunkStart, this.state.pos);\n              out +=

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this.jsxReadNewLine(false);\n    chunkStart = this.state.pos;\n    } else {\n    ++this.state.pos;\n    }\n    }\n    out += this.input.slice(chunkStart, this.state.pos++);\n    return this.finishToken(types.string, out);\n    }\n    }\n    jsxReadEntity() {\n    let str = \"\";\n    let count = 0;\n    let entity;\n    let ch = this.input[this.state.pos];\n    const\n    startPos = ++this.state.pos;\n    while (this.state.pos < this.length && count++ < 10) {\n    ch =\n    this.input[this.state.pos++];\n    if (ch === '\\\"') {\n    if (str[0] === '\\#') {\n    if (str[1] === '\\x') {\n    str = str.substr(2);\n    if (HEX_NUMBER.test(str)) {\n    entity = String.fromCharCode(parseInt(str,\n    16));\n    }\n    } else {\n    str = str.substr(1);\n    if (DECIMAL_NUMBER.test(str)) {\n    entity = String.fromCharCode(parseInt(str, 10));\n    }\n    }\n    } else {\n    entity = entities[str];\n    }\n    break;\n    }\n    str += ch;\n    }\n    if (!entity) {\n    this.state.pos = startPos;\n    return '&';\n    }\n    return entity;\n    }\n    }\n    jsxReadWord() {\n    let ch;\n    const start = this.state.pos;\n    do {\n    ch =\n    this.input.charCodeAt(++this.state.pos);\n    } while (isIdentifierChar(ch) || ch === 45);\n    return\n    this.finishToken(types.jsxName, this.input.slice(start, this.state.pos));\n    }\n    }\n    jsxParseIdentifier() {\n    const node\n    = this.startNode();\n    if (this.match(types.jsxName)) {\n    node.name = this.state.value;\n    } else if\n    (this.state.type.keyword) {\n    node.name = this.state.type.keyword;\n    } else {\n    this.unexpected();\n    }\n    }\n    return this.finishNode(node, \"JSXIdentifier\");\n    }\n    }\n    jsxParseNamespacedName() {\n    const\n    startPos = this.state.start;\n    const startLoc = this.state.startLoc;\n    const name = this.jsxParseIdentifier();\n    if\n    (!this.eat(types.colon)) return name;\n    const node = this.startNodeAt(startPos, startLoc);\n    node.namespace =\n    name;\n    node.name = this.jsxParseIdentifier();\n    return this.finishNode(node, \"JSXNamespacedName\");\n    }\n    }\n    jsxParseElementName() {\n    const startPos = this.state.start;\n    const startLoc = this.state.startLoc;\n    let\n    node = this.jsxParseNamespacedName();\n    if (node.type === \"JSXNamespacedName\") {\n    return node;\n    }\n    while (this.eat(types.dot)) {\n    const newNode = this.startNodeAt(startPos, startLoc);\n    newNode.object = node;\n    newNode.property = this.jsxParseIdentifier();\n    node = this.finishNode(newNode,\n    \"JSXMemberExpression\");\n    }\n    return node;\n    }\n    }\n    jsxParseAttributeValue() {\n    let node;\n    switch\n    (this.state.type) {\n    case types.braceL:\n    node = this.startNode();\n    this.next();\n    node =\n    this.jsxParseExpressionContainer(node);\n    if (node.expression.type === \"JSXEmptyExpression\") {\n    this.raise(node.start, JsxErrors.AttributeIsEmpty);\n    }\n    return node;\n    case types.jsxTagStart:\n    case types.string:\n    return this.parseExprAtom();\n    default:\n    throw this.raise(this.state.start,\n    JsxErrors.UnsupportedJsxValue);\n    }\n    }\n    }\n    jsxParseEmptyExpression() {\n    const node =\n    this.startNodeAt(this.state.lastTokEnd, this.state.lastTokEndLoc);\n    return this.finishNodeAt(node,\n    \"JSXEmptyExpression\", this.state.start, this.state.startLoc);\n    }\n    }\n    jsxParseSpreadChild(node) {\n    this.next();\n    node.expression = this.parseExpression();\n    this.expect(types.braceR);\n    return this.finishNode(node,\n    \"JSXSpreadChild\");\n    }\n    }\n    jsxParseExpressionContainer(node) {\n    if (this.match(types.braceR)) {\n    node.expression = this.jsxParseEmptyExpression();\n    } else {\n    node.expression = this.parseExpression();\n    }\n    this.expect(types.braceR);\n    return this.finishNode(node, \"JSXExpressionContainer\");\n    }\n    }\n    jsxParseAttribute() {\n    const node = this.startNode();\n    if (this.eat(types.braceL)) {\n    this.expect(types.ellipsis);\n    node.argument = this.parseMaybeAssignAllowIn();\n    this.expect(types.braceR);\n    return this.finishNode(node, \"JSXSpreadAttribute\");\n    }\n    node.name =\n    this.jsxParseNamespacedName();\n    node.value = this.eat(types.eq) ? this.jsxParseAttributeValue() : null;\n    return this.finishNode(node, \"JSXAttribute\");\n    }\n    }\n    jsxParseOpeningElementAt(startPos, startLoc) {\n    const\n    node = this.startNodeAt(startPos, startLoc);\n    if (this.match(types.jsxTagEnd)) {\n    this.expect(types.jsxTagEnd);\n    return this.finishNode(node, \"JSXOpeningFragment\");\n    }\n    node.name =\n    this.jsxParseElementName();\n    return this.jsxParseOpeningElementAfterName(node);\n    }\n    }\n    jsxParseOpeningElementAfterName(node) {\n    const attributes = [];\n    while (!this.match(types.slash) &&\n    !this.match(types.jsxTagEnd)) {\n    attributes.push(this.jsxParseAttribute());\n    }\n    node.attributes =\n    attributes;\n    node.selfClosing = this.eat(types.slash);\n    this.expect(types.jsxTagEnd);\n    return\n    this.finishNode(node, \"JSXOpeningElement\");\n    }\n    }\n    jsxParseClosingElementAt(startPos, startLoc) {\n    const\n    node = this.startNodeAt(startPos, startLoc);\n    if (this.match(types.jsxTagEnd)) {\n    this.expect(types.jsxTagEnd);\n    return this.finishNode(node, \"JSXClosingFragment\");\n    }\n    node.name =

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this.jsxParseElementName();\n  this.expect(types.jsxTagEnd);\n  return this.finishNode(node,\n  \"JSXClosingElement\");\n  }\n\n  jsxParseElementAt(startPos, startLoc) {\n    const node =\n    this.startNodeAt(startPos, startLoc);\n    const children = [];\n    const openingElement =\n    this.jsxParseOpeningElementAt(startPos, startLoc);\n    let closingElement = null;\n\n    if\n    (!openingElement.selfClosing) {\n      contents: for (;) {\n        switch (this.state.type) {\n          case\n          types.jsxTagStart:\n            startPos = this.state.start;\n            startLoc = this.state.startLoc;\n            this.next();\n\n            if (this.eat(types.slash)) {\n              closingElement = this.jsxParseClosingElementAt(startPos, startLoc);\n              break contents;\n            }\n            children.push(this.jsxParseElementAt(startPos, startLoc));\n          break;\n\n          case types.jsxText:\n            children.push(this.parseExprAtom());\n            break;\n\n          case\n          types.braceL:\n            {\n              const node = this.startNode();\n              this.next();\n              if\n              (this.match(types.ellipsis)) {\n                children.push(this.jsxParseSpreadChild(node));\n              } else {\n                children.push(this.jsxParseExpressionContainer(node));\n              }\n              break;\n            }\n          default:\n            throw this.unexpected();\n          }\n        }\n      }\n      if (isFragment(openingElement) &&\n      !isFragment(closingElement)) {\n        this.raise(closingElement.start, JsxErrors.MissingClosingTagFragment);\n      } else if (!isFragment(openingElement) && isFragment(closingElement)) {\n        this.raise(closingElement.start,\n        JsxErrors.MissingClosingTagElement, getQualifiedJSXName(openingElement.name));\n      } else if\n      (!isFragment(openingElement) && !isFragment(closingElement)) {\n        if\n        (getQualifiedJSXName(closingElement.name) !== getQualifiedJSXName(openingElement.name)) {\n          this.raise(closingElement.start, JsxErrors.MissingClosingTagElement,\n          getQualifiedJSXName(openingElement.name));\n        }\n      }\n    }\n\n    if (isFragment(openingElement)) {\n      node.openingFragment = openingElement;\n      node.closingFragment = closingElement;\n    } else {\n      node.openingElement = openingElement;\n      node.closingElement = closingElement;\n    }\n\n    node.children =\n    children;\n\n    if (this.isRelational("<")) {\n      throw this.raise(this.state.start,\n      JsxErrors.UnwrappedAdjacentJSXElements);\n    }\n\n    return isFragment(openingElement) ?\n    this.finishNode(node, \"JSXFragment\") : this.finishNode(node, \"JSXElement\");\n  }\n\n  jsxParseElement() {\n    const startPos = this.state.start;\n    const startLoc = this.state.startLoc;\n    this.next();\n    return\n    this.jsxParseElementAt(startPos, startLoc);\n  }\n\n  parseExprAtom(refExpressionErrors) {\n    if\n    (this.match(types.jsxText)) {\n      return this.parseLiteral(this.state.value, \"JSXText\");\n    } else if\n    (this.match(types.jsxTagStart)) {\n      return this.jsxParseElement();\n    } else if (this.isRelational("<") &&\n    this.input.charCodeAtAt(this.state.pos) !== 33) {\n      this.finishToken(types.jsxTagStart);\n      return\n      this.jsxParseElement();\n    } else {\n      return super.parseExprAtom(refExpressionErrors);\n    }\n  }\n\n  getTokenFromCode(code) {\n    if (this.state.inPropertyName) return super.getTokenFromCode(code);\n    const\n    context = this.curContext();\n\n    if (context === types.$1.j_expr) {\n      return this.jsxReadToken();\n    }\n\n    if\n    (context === types.$1.j_oTag || context === types.$1.j_cTag) {\n      if (isIdentifierStart(code)) {\n        return\n        this.jsxReadWord();\n      }\n\n      if (code === 62) {\n        ++this.state.pos;\n        return\n        this.finishToken(types.jsxTagEnd);\n      }\n\n      if ((code === 34 || code === 39) && context === types.$1.j_oTag)\n      {\n        return this.jsxReadString(code);\n      }\n\n      if (code === 60 && this.state.exprAllowed &&\n      this.input.charCodeAtAt(this.state.pos + 1) !== 33) {\n        ++this.state.pos;\n        return\n        this.finishToken(types.jsxTagStart);\n      }\n\n      return super.getTokenFromCode(code);\n    }\n\n    updateContext(prevType) {\n      if (this.match(types.braceL)) {\n        const curContext = this.curContext();\n\n        if\n        (curContext === types.$1.j_oTag) {\n          this.state.context.push(types.$1.braceExpression);\n        } else if\n        (curContext === types.$1.j_expr) {\n          this.state.context.push(types.$1.templateQuasi);\n        } else {\n          super.updateContext(prevType);\n        }\n      }\n\n      this.state.exprAllowed = true;\n    } else if (this.match(types.slash)\n    && prevType === types.jsxTagStart) {\n      this.state.context.length -= 2;\n      this.state.context.push(types.$1.j_cTag);\n      this.state.exprAllowed = false;\n    } else {\n      return\n      super.updateContext(prevType);\n    }\n  }\n\n  constructor(flags) {\n    this.flags = void 0;\n    this.var = [];\n    this.lexical = [];\n    this.functions = [];\n    this.flags = flags;\n  }\n\n  constructor(flags) {\n    constructor(raise, inModule) {\n      this.scopeStack = [];\n      this.undefinedExports = new Map();\n    }\n  }\n
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this.undefinedPrivateNames = new Map();\n  this.raise = raise;\n  this.inModule = inModule;\n }\n\n get
inFunction() {\n  return (this.currentVarScope().flags & SCOPE_FUNCTION) > 0;\n }\n\n get allowSuper() {\n
return (this.currentThisScope().flags & SCOPE_SUPER) > 0;\n }\n\n get allowDirectSuper() {\n  return
(this.currentThisScope().flags & SCOPE_DIRECT_SUPER) > 0;\n }\n\n get inClass() {\n  return
(this.currentThisScope().flags & SCOPE_CLASS) > 0;\n }\n\n get inNonArrowFunction() {\n  return
(this.currentThisScope().flags & SCOPE_FUNCTION) > 0;\n }\n\n get treatFunctionsAsVar() {\n  return
this.treatFunctionsAsVarInScope(this.currentScope());\n }\n\n createScope(flags) {\n  return new Scope(flags);\n
}\n\n enter(flags) {\n  this.scopeStack.push(this.createScope(flags));\n }\n\n exit() {\n  this.scopeStack.pop();\n
}\n\n treatFunctionsAsVarInScope(scope) {\n  return !(scope.flags & SCOPE_FUNCTION || !this.inModule &&
scope.flags & SCOPE_PROGRAM);\n }\n\n declareName(name, bindingType, pos) {\n  let scope =
this.currentScope();\n\n  if (bindingType & BIND_SCOPE_LEXICAL || bindingType &
BIND_SCOPE_FUNCTION) {\n    this.checkRedeclarationInScope(scope, name, bindingType, pos);\n\n    if
(bindingType & BIND_SCOPE_FUNCTION) {\n      scope.functions.push(name);\n    } else {\n
scope.lexical.push(name);\n    }\n\n    if (bindingType & BIND_SCOPE_LEXICAL) {\n
this.maybeExportDefined(scope, name);\n    }\n  } else if (bindingType & BIND_SCOPE_VAR) {\n    for (let i
= this.scopeStack.length - 1; i >= 0; --i) {\n      scope = this.scopeStack[i];\n
this.checkRedeclarationInScope(scope, name, bindingType, pos);\n      scope.var.push(name);\n
this.maybeExportDefined(scope, name);\n      if (scope.flags & SCOPE_VAR) break;\n    }\n  }\n\n  if
(this.inModule && scope.flags & SCOPE_PROGRAM) {\n    this.undefinedExports.delete(name);\n  }\n }\n\n
maybeExportDefined(scope, name) {\n  if (this.inModule && scope.flags & SCOPE_PROGRAM) {\n
this.undefinedExports.delete(name);\n  }\n }\n\n checkRedeclarationInScope(scope, name, bindingType, pos) {\n
if (this.isRedeclaredInScope(scope, name, bindingType)) {\n  this.raise(pos, ErrorMessages.VarRedeclaration,
name);\n }\n }\n\n isRedeclaredInScope(scope, name, bindingType) {\n  if (!(bindingType &
BIND_KIND_VALUE)) return false;\n\n  if (bindingType & BIND_SCOPE_LEXICAL) {\n    return
scope.lexical.indexOf(name) > -1 || scope.functions.indexOf(name) > -1 || scope.var.indexOf(name) > -1;\n  }\n\n
if (bindingType & BIND_SCOPE_FUNCTION) {\n    return scope.lexical.indexOf(name) > -1 ||
!this.treatFunctionsAsVarInScope(scope) && scope.var.indexOf(name) > -1;\n  }\n\n  return
scope.lexical.indexOf(name) > -1 && !(scope.flags & SCOPE_SIMPLE_CATCH && scope.lexical[0] === name) ||
!this.treatFunctionsAsVarInScope(scope) && scope.functions.indexOf(name) > -1;\n }\n\n checkLocalExport(id)
{\n  if (this.scopeStack[0].lexical.indexOf(id.name) === -1 && this.scopeStack[0].var.indexOf(id.name) === -1
&& this.scopeStack[0].functions.indexOf(id.name) === -1) {\n    this.undefinedExports.set(id.name, id.start);\n
}\n }\n\n currentScope() {\n  return this.scopeStack[this.scopeStack.length - 1];\n }\n\n currentVarScope() {\n
for (let i = this.scopeStack.length - 1; i--;) {\n    const scope = this.scopeStack[i];\n\n    if (scope.flags &
SCOPE_VAR) {\n      return scope;\n    }\n  }\n }\n\n currentThisScope() {\n  for (let i =
this.scopeStack.length - 1; i--;) {\n    const scope = this.scopeStack[i];\n\n    if ((scope.flags & SCOPE_VAR ||
scope.flags & SCOPE_CLASS) && !(scope.flags & SCOPE_ARROW)) {\n      return scope;\n    }\n  }\n }\n\n
}\n\n\n\nclass TypeScriptScope extends Scope {\n  constructor(...args) {\n    super(...args);\n    this.types = [];\n
this.enums = [];\n    this.constEnums = [];\n    this.classes = [];\n    this.exportOnlyBindings = [];\n  }\n\n}\n\n\nclass
TypeScriptScopeHandler extends ScopeHandler {\n  createScope(flags) {\n    return new TypeScriptScope(flags);\n
}\n\n  declareName(name, bindingType, pos) {\n    const scope = this.currentScope();\n\n    if (bindingType &
BIND_FLAGS_TS_EXPORT_ONLY) {\n      this.maybeExportDefined(scope, name);\n
scope.exportOnlyBindings.push(name);\n      return;\n    }\n\n    super.declareName(...arguments);\n\n    if
(bindingType & BIND_KIND_TYPE) {\n      if (!(bindingType & BIND_KIND_VALUE)) {\n
this.checkRedeclarationInScope(scope, name, bindingType, pos);\n      this.maybeExportDefined(scope, name);\n
}\n\n      scope.types.push(name);\n    }\n\n    if (bindingType & BIND_FLAGS_TS_ENUM)
scope.enums.push(name);\n\n    if (bindingType & BIND_FLAGS_TS_CONST_ENUM)
scope.constEnums.push(name);\n\n    if (bindingType & BIND_FLAGS_CLASS) scope.classes.push(name);\n  }\n\n
isRedeclaredInScope(scope, name, bindingType) {\n    if (scope.enums.indexOf(name) > -1) {\n      if (bindingType

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& BIND_FLAGS_TS_ENUM) {\n    const isConst = !(bindingType & BIND_FLAGS_TS_CONST_ENUM);\n    const wasConst = scope.constEnums.indexOf(name) > -1;\n    return isConst !== wasConst;\n  }\n  return true;\n}\n\nif (bindingType & BIND_FLAGS_CLASS && scope.classes.indexOf(name) > -1) {\n  if (scope.lexical.indexOf(name) > -1) {\n    return !(bindingType & BIND_KIND_VALUE);\n  } else {\n    return false;\n  }\n}\n\nif (bindingType & BIND_KIND_TYPE && scope.types.indexOf(name) > -1) {\n  return true;\n}\n\nreturn super.isRedeclaredInScope(...arguments);\n}\n\ncheckLocalExport(id) {\n  if (this.scopeStack[0].types.indexOf(id.name) === -1 && this.scopeStack[0].exportOnlyBindings.indexOf(id.name) === -1) {\n    super.checkLocalExport(id);\n  }\n}\n\nconst PARAM = 0b0000,\n  PARAM_YIELD = 0b0001,\n  PARAM_AWAIT = 0b0010,\n  PARAM_RETURN = 0b0100,\n  PARAM_IN = 0b1000;\n\nclass ProductionParameterHandler {\n  constructor() {\n    this.stacks = [];\n  }\n  enter(flags) {\n    this.stacks.push(flags);\n  }\n  exit() {\n    this.stacks.pop();\n  }\n  currentFlags() {\n    return this.stacks[this.stacks.length - 1];\n  }\n  get hasAwait() {\n    return (this.currentFlags() & PARAM_AWAIT) > 0;\n  }\n  get hasYield() {\n    return (this.currentFlags() & PARAM_YIELD) > 0;\n  }\n  get hasReturn() {\n    return (this.currentFlags() & PARAM_RETURN) > 0;\n  }\n  get hasIn() {\n    return (this.currentFlags() & PARAM_IN) > 0;\n  }\n}\n\nfunction functionFlags(isAsync, isGenerator) {\n  return (isAsync ? PARAM_AWAIT : 0) | (isGenerator ? PARAM_YIELD : 0);\n}\n\nfunction nonNull(x) {\n  if (x === null) {\n    throw new Error(`Unexpected ${x} value.`);\n  }\n  return x;\n}\n\nfunction assert(x) {\n  if (!x) {\n    throw new Error(`Assert fail`);\n  }\n}\n\nconst TSErrors = Object.freeze({\n  ClassMethodHasDeclare: `Class methods cannot have the 'declare' modifier`,\n  ClassMethodHasReadOnly: `Class methods cannot have the 'readonly' modifier`,\n  ConstructorHasTypeParameters: `Type parameters cannot appear on a constructor declaration.`,\n  DeclareClassFieldHasInitializer: `Initializers are not allowed in ambient contexts.`,\n  DeclareFunctionHasImplementation: `An implementation cannot be declared in ambient contexts.`,\n  DuplicateModifier: `Duplicate modifier: '%0'`,\n  EmptyHeritageClauseType: `"%0" list cannot be empty.`,\n  EmptyTypeArguments: `Type argument list cannot be empty.`,\n  EmptyTypeParameters: `Type parameter list cannot be empty.`,\n  IndexSignatureHasAbstract: `Index signatures cannot have the 'abstract' modifier`,\n  IndexSignatureHasAccessibility: `Index signatures cannot have an accessibility modifier ('%0')`,\n  IndexSignatureHasStatic: `Index signatures cannot have the 'static' modifier`,\n  IndexSignatureHasDeclare: `Index signatures cannot have the 'declare' modifier`,\n  InvalidTupleMemberLabel: `Tuple members must be labeled with a simple identifier.`,\n  MixedLabeledAndUnlabeledElements: `Tuple members must all have names or all not have names.`,\n  OptionalTypeBeforeRequired: `A required element cannot follow an optional element.`,\n  PatternIsOptional: `A binding pattern parameter cannot be optional in an implementation signature.`,\n  PrivateElementHasAbstract: `Private elements cannot have the 'abstract' modifier.`,\n  PrivateElementHasAccessibility: `Private elements cannot have an accessibility modifier ('%0')`,\n  TypeAnnotationAfterAssign: `Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`,\n  UnexpectedParameterModifier: `A parameter property is only allowed in a constructor implementation.`,\n  UnexpectedReadOnly: `readonly type modifier is only permitted on array and tuple literal types.`,\n  UnexpectedTypeAnnotation: `Did not expect a type annotation here.`,\n  UnexpectedTypeCastInParameter: `Unexpected type cast in parameter position.`,\n  UnsupportedImportTypeArgument: `Argument in a type import must be a string literal`,\n  UnsupportedParameterPropertyKind: `A parameter property may not be declared using a binding pattern.`,\n  UnsupportedSignatureParameterKind: `Name in a signature must be an Identifier, ObjectPattern or ArrayPattern, instead got %0`,\n}\n\nfunction keywordTypeFromName(value) {\n  switch (value) {\n    case `any`: return `TSAnyKeyword`;\n    case `boolean`: return `TSBooleanKeyword`;\n    case `bigint`: return `TSBigIntKeyword`;\n    case `never`: return `TSNeverKeyword`;\n    case `number`: return `TSNumberKeyword`;\n    case `object`: return `TSObjectKeyword`;\n    case `string`: return `TSStringKeyword`;\n    case `symbol`: return `TSSymbolKeyword`;\n    case `undefined`: return `TSUndefinedKeyword`;\n    case `unknown`: return `TSUnknownKeyword`;\n    default: return undefined;\n  }\n}\n\nvar typescript = (superClass => class extends superClass {\n  getScopeHandler() {\n
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return TypeScriptScopeHandler;\n }\n\n tsIsIdentifier() {\n  return this.match(types.name);\n }\n\n tsNextTokenCanFollowModifier() {\n  this.next();\n  return !this.hasPrecedingLineBreak() &&\n    !this.match(types.parenL) && !this.match(types.parenR) && !this.match(types.colon) && !this.match(types.eq)\n    && !this.match(types.question) && !this.match(types.bang);\n }\n\n tsParseModifier(allowedModifiers) {\n  if\n    (!this.match(types.name)) {\n    return undefined;\n  }\n\n  const modifier = this.state.value;\n\n  if\n    (allowedModifiers.indexOf(modifier) !== -1 && this.tsTryParse(this.tsNextTokenCanFollowModifier.bind(this)))\n  {\n    return modifier;\n  }\n\n  return undefined;\n }\n\n tsParseModifiers(modified, allowedModifiers) {\n  for (;;) {\n    const startPos = this.state.start;\n    const modifier = this.tsParseModifier(allowedModifiers);\n    if\n      (!modifier) break;\n    if (Object.hasOwnProperty.call(modified, modifier)) {\n      this.raise(startPos,\n        TSErrors.DuplicateModifier, modifier);\n    }\n\n    modified[modifier] = true;\n  }\n\n  return this.match(types.braceR);\n\n  case \"EnumMembers\":\n  case \"TypeMembers\":\n  return this.match(types.braceL);\n\n  case \"TupleElementTypes\":\n  return this.match(types.bracketR);\n\n  case\n    \"TypeParametersOrArguments\":\n  return this.isRelational(>);\n }\n\n throw new\n  Error(\"Unreachable\");\n }\n\n tsParseList(kind, parseElement) {\n  const result = [];\n\n  while\n    (!this.tsIsListTerminator(kind)) {\n    result.push(parseElement());\n  }\n\n  return result;\n }\n\n tsParseDelimitedList(kind, parseElement) {\n  return nonNull(this.tsParseDelimitedListWorker(kind,\n    parseElement, true));\n }\n\n tsParseDelimitedListWorker(kind, parseElement, expectSuccess) {\n  const result =\n    [];\n\n  for (;;) {\n    if (this.tsIsListTerminator(kind)) {\n      break;\n    }\n\n    const element =\n      parseElement();\n\n    if (element == null) {\n      return undefined;\n    }\n\n    result.push(element);\n\n    if\n      (this.eat(types.comma)) {\n      continue;\n    }\n\n    if (this.tsIsListTerminator(kind)) {\n      break;\n    }\n\n    if (expectSuccess) {\n      this.expect(types.comma);\n    }\n\n    return undefined;\n  }\n\n  return result;\n }\n\n tsParseBracketedList(kind, parseElement, bracket, skipFirstToken) {\n  if (!skipFirstToken) {\n    if\n      (bracket) {\n      this.expect(types.bracketL);\n    } else {\n      this.expectRelational(<);\n    }\n  }\n\n  const result = this.tsParseDelimitedList(kind, parseElement);\n\n  if (bracket) {\n    this.expect(types.bracketR);\n  } else {\n    this.expectRelational(>);\n  }\n\n  return result;\n }\n\n tsParseImportType() {\n  const node =\n    this.startNode();\n  this.expect(types._import);\n  this.expect(types.parenL);\n\n  if (!this.match(types.string)) {\n    this.raise(this.state.start, TSErrors.UnsupportedImportTypeArgument);\n  }\n\n  node.argument =\n    this.parseExprAtom();\n  this.expect(types.parenR);\n\n  if (this.eat(types.dot)) {\n    node.qualifier =\n      this.tsParseEntityName(true);\n  }\n\n  if (this.isRelational(<)) {\n    node.typeParameters =\n      this.tsParseTypeArguments();\n  }\n\n  return this.finishNode(node, \"TSImportType\");\n }\n\n tsParseEntityName(allowReservedWords) {\n  let entity = this.parseIdentifier();\n\n  while (this.eat(types.dot))\n    {\n      const node = this.startNodeAtNode(entity);\n      node.left = entity;\n      node.right =\n        this.parseIdentifier(allowReservedWords);\n      entity = this.finishNode(node, \"TSQualifiedName\");\n    }\n\n  return entity;\n }\n\n tsParseTypeReference() {\n  const node = this.startNode();\n  node.typeName =\n    this.tsParseEntityName(false);\n\n  if (!this.hasPrecedingLineBreak() && this.isRelational(<)) {\n    node.typeParameters = this.tsParseTypeArguments();\n  }\n\n  return this.finishNode(node,\n    \"TSTypeReference\");\n }\n\n tsParseThisTypePredicate(lhs) {\n  this.next();\n  const node =\n    this.startNodeAtNode(lhs);\n  node.parameterName = lhs;\n  node.typeAnnotation =\n    this.tsParseTypeAnnotation(false);\n  return this.finishNode(node, \"TSTypePredicate\");\n }\n\n tsParseThisTypeNode() {\n  const node = this.startNode();\n  this.next();\n  return this.finishNode(node,\n    \"TSThisType\");\n }\n\n tsParseTypeQuery() {\n  const node = this.startNode();\n  this.expect(types._typeof);\n\n  if (this.match(types._import)) {\n    node.exprName = this.tsParseImportType();\n  } else {\n    node.exprName = this.tsParseEntityName(true);\n  }\n\n  return this.finishNode(node,\n    \"TSTypeQuery\");\n }\n\n tsParseTypeParameter() {\n  const node = this.startNode();\n  node.name =\n    this.parseIdentifierName(node.start);\n  node.constraint = this.tsEatThenParseType(types._extends);\n  node.default = this.tsEatThenParseType(types.eq);\n  return this.finishNode(node, \"TSTypeParameter\");\n }\n\n tsTryParseTypeParameters() {\n  if (this.isRelational(<)) {\n    return this.tsParseTypeParameters();\n  }\n}

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}\n\n tsParseTypeParameters() {\n  const node = this.startNode();\n\n  if (this.isRelational("<") ||\n  this.match(types.jsxTagStart)) {\n    this.next();\n  } else {\n    this.unexpected();\n  }\n\n  node.params =\n  this.tsParseBracketedList("TypeParametersOrArguments", this.tsParseTypeParameter.bind(this), false, true);\n\n  if (node.params.length === 0) {\n    this.raise(node.start, TSErrors.EmptyTypeParameters);\n  }\n\n  return\n  this.finishNode(node, "TSTypeParameterDeclaration");\n}\n\n tsTryNextParseConstantContext() {\n  if\n  (this.lookahead().type === types._const) {\n    this.next();\n    return this.tsParseTypeReference();\n  }\n\n  return null;\n}\n\n tsFillSignature(returnToken, signature) {\n  const returnTokenRequired = returnToken ===\n  types.arrow;\n  signature.typeParameters = this.tsTryParseTypeParameters();\n  this.expect(types.parenL);\n  signature.parameters = this.tsParseBindingListForSignature();\n\n  if (returnTokenRequired) {\n    signature.typeAnnotation = this.tsParseTypeOrTypePredicateAnnotation(returnToken);\n  } else if\n  (this.match(returnToken)) {\n    signature.typeAnnotation =\n    this.tsParseTypeOrTypePredicateAnnotation(returnToken);\n  }\n}\n\n tsParseBindingListForSignature() {\n  return this.parseBindingList(types.parenR, 41).map(pattern => {\n    if (pattern.type !== "Identifier" &&\n    pattern.type !== "RestElement" && pattern.type !== "ObjectPattern" && pattern.type !== "ArrayPattern") {\n      this.raise(pattern.start, TSErrors.UnsupportedSignatureParameterKind, pattern.type);\n    }\n\n    return\n    pattern;\n  });\n}\n\n tsParseTypeMemberSemicolon() {\n  if (!this.eat(types.comma)) {\n    this.semicolon();\n  }\n}\n\n tsParseSignatureMember(kind, node) {\n  this.tsFillSignature(types.colon, node);\n  this.tsParseTypeMemberSemicolon();\n  return this.finishNode(node, kind);\n}\n\n tsIsUnambiguouslyIndexSignature() {\n  this.next();\n  return this.eat(types.name) && this.match(types.colon);\n}\n\n tsTryParseIndexSignature(node) {\n  if (!(this.match(types.bracketL) &&\n  this.tsLookAhead(this.tsIsUnambiguouslyIndexSignature.bind(this)))) {\n    return undefined;\n  }\n\n  this.expect(types.bracketL);\n  const id = this.parseIdentifier();\n  id.typeAnnotation =\n  this.tsParseTypeAnnotation();\n  this.resetEndLocation(id);\n  this.expect(types.bracketR);\n  node.parameters =\n  [id];\n  const type = this.tsTryParseTypeAnnotation();\n  if (type) node.typeAnnotation = type;\n  this.tsParseTypeMemberSemicolon();\n  return this.finishNode(node, "TSIndexSignature");\n}\n\n tsParsePropertyOrMethodSignature(node, readonly) {\n  if (this.eat(types.question)) node.optional = true;\n  const\n  nodeAny = node;\n\n  if (!readonly && (this.match(types.parenL) || this.isRelational("<"))) {\n    const method =\n    nodeAny;\n    this.tsFillSignature(types.colon, method);\n    this.tsParseTypeMemberSemicolon();\n    return\n    this.finishNode(method, "TSMethodSignature");\n  } else {\n    const property = nodeAny;\n    if (readonly)\n    property.readonly = true;\n    const type = this.tsTryParseTypeAnnotation();\n    if (type) property.typeAnnotation\n    = type;\n    this.tsParseTypeMemberSemicolon();\n    return this.finishNode(property, "TSPropertySignature");\n  }\n}\n\n tsParseTypeMember() {\n  const node = this.startNode();\n\n  if (this.match(types.parenL) ||\n  this.isRelational("<")) {\n    return this.tsParseSignatureMember("TSCallSignatureDeclaration", node);\n  }\n\n  if (this.match(types._new)) {\n    const id = this.startNode();\n    this.next();\n\n    if (this.match(types.parenL) ||\n    this.isRelational("<")) {\n      return this.tsParseSignatureMember("TSConstructSignatureDeclaration", node);\n    }\n    else {\n      node.key = this.createIdentifier(id, "new");\n      return\n      this.tsParsePropertyOrMethodSignature(node, false);\n    }\n  }\n\n  const readonly =\n  !!this.tsParseModifier(["readonly"]);
  const idx = this.tsTryParseIndexSignature(node);\n\n  if (idx) {\n    if\n    (readonly) node.readonly = true;\n    return idx;\n  }\n\n  this.parsePropertyName(node, false);\n  return\n  this.tsParsePropertyOrMethodSignature(node, readonly);\n}\n\n tsParseTypeLiteral() {\n  const node =\n  this.startNode();\n  node.members = this.tsParseObjectTypeMembers();\n  return this.finishNode(node,\n  "TSTypeLiteral");\n}\n\n tsParseObjectTypeMembers() {\n  this.expect(types.braceL);\n  const members =\n  this.tsParseList("TypeMembers", this.tsParseTypeMember.bind(this));\n  this.expect(types.braceR);\n  return\n  members;\n}\n\n tsIsStartOfMappedType() {\n  this.next();\n\n  if (this.eat(types.plusMin)) {\n    return\n    this.isContextual("readonly");\n  }\n\n  if (this.isContextual("readonly")) {\n    this.next();\n  }\n\n  if\n  (!this.match(types.bracketL)) {\n    return false;\n  }\n\n  this.next();\n  if (!this.tsIsIdentifier()) {\n    return\n    false;\n  }\n\n  this.next();\n  return this.match(types._in);\n}\n\n tsParseMappedTypeParameter() {\n  const\n  node = this.startNode();\n  node.name = this.parseIdentifierName(node.start);\n  node.constraint =

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this.tsExpectThenParseType(types._in);\n return this.finishNode(node, \"TSTypeParameter\");\n }\n\n tsParseMappedType() {\n const node = this.startNode();\n this.expect(types.braceL);\n if\n (this.match(types.plusMin)) {\n node.readonly = this.state.value;\n this.next();\n this.expectContextual(\"readonly\");\n } else if (this.eatContextual(\"readonly\")) {\n node.readonly = true;\n }\n this.expect(types.bracketL);\n node.typeParameter = this.tsParseMappedTypeParameter();\n node.nameType = this.eatContextual(\"as\") ? this.tsParseType() : null;\n this.expect(types.bracketR);\n if\n (this.match(types.plusMin)) {\n node.optional = this.state.value;\n this.next();\n this.expect(types.question);\n } else if (this.eat(types.question)) {\n node.optional = true;\n }\n\n node.typeAnnotation = this.tsTryParseType();\n this.semicolon();\n this.expect(types.braceR);\n return\n this.finishNode(node, \"TSMappedType\");\n }\n\n tsParseTupleType() {\n const node = this.startNode();\n node.elementTypes = this.tsParseBracketedList(\"TupleElementTypes\", this.tsParseTupleElementType.bind(this),\n true, false);\n let seenOptionalElement = false;\n let labeledElements = null;\n\n node.elementTypes.forEach(elementNode => {\n var _labeledElements;\n let {\n type\n } =\n elementNode;\n\n if (seenOptionalElement && type !== \"TSRestType\" && type !== \"TSOptionalType\" &&\n !(type === \"TSNamedTupleMember\" && elementNode.optional)) {\n this.raise(elementNode.start,\n TSErrors.OptionalTypeBeforeRequired);\n }\n\n seenOptionalElement = seenOptionalElement || type ===\n \"TSNamedTupleMember\" && elementNode.optional || type === \"TSOptionalType\";\n\n if (type ===\n \"TSRestType\") {\n elementNode = elementNode.typeAnnotation;\n type = elementNode.type;\n }\n\n const isLabeled = type === \"TSNamedTupleMember\";\n labeledElements = (_labeledElements =\n labeledElements) != null ? _labeledElements : isLabeled;\n if (labeledElements !== isLabeled) {\n this.raise(elementNode.start, TSErrors.MixedLabeledAndUnlabeledElements);\n }\n });\n return\n this.finishNode(node, \"TSTupleType\");\n }\n\n tsParseTupleElementType() {\n const {\n start: startPos,\n startLoc\n } = this.state;\n const rest = this.eat(types.ellipsis);\n let type = this.tsParseType();\n const\n optional = this.eat(types.question);\n const labeled = this.eat(types.colon);\n\n if (labeled) {\n const\n labeledNode = this.startNodeAtNode(type);\n labeledNode.optional = optional;\n\n if (type.type ===\n \"TSTypeReference\" && !type.typeParameters && type.typeName.type === \"Identifier\") {\n labeledNode.label = type.typeName;\n } else {\n this.raise(type.start,\n TSErrors.InvalidTupleMemberLabel);\n labeledNode.label = type;\n }\n\n labeledNode.elementType =\n this.tsParseType();\n type = this.finishNode(labeledNode, \"TSNamedTupleMember\");\n } else if (optional)\n {\n const optionalTypeNode = this.startNodeAtNode(type);\n optionalTypeNode.typeAnnotation = type;\n type = this.finishNode(optionalTypeNode, \"TSOptionalType\");\n }\n\n if (rest) {\n const restNode =\n this.startNodeAt(startPos, startLoc);\n restNode.typeAnnotation = type;\n type = this.finishNode(restNode,\n \"TSRestType\");\n }\n\n return type;\n }\n\n tsParseParenthesizedType() {\n const node = this.startNode();\n this.expect(types.parenL);\n node.typeAnnotation = this.tsParseType();\n this.expect(types.parenR);\n return\n this.finishNode(node, \"TSParenthesizedType\");\n }\n\n tsParseFunctionOrConstructorType(type) {\n const\n node = this.startNode();\n\n if (type === \"TSConstructorType\") {\n this.expect(types._new);\n }\n\n this.tsFillSignature(types.arrow, node);\n return this.finishNode(node, type);\n }\n\n tsParseLiteralTypeNode()\n {\n const node = this.startNode();\n\n node.literal = (() => {\n switch (this.state.type) {\n case\n types.num:\n case types.bigint:\n case types.string:\n case types._true:\n case types._false:\n return this.parseExprAtom();\n\n default:\n throw this.unexpected();\n }\n })();\n\n return\n this.finishNode(node, \"TSLiteralType\");\n }\n\n tsParseTemplateLiteralType() {\n const node =\n this.startNode();\n node.literal = this.parseTemplate(false);\n return this.finishNode(node, \"TSLiteralType\");\n }\n\n parseTemplateSubstitution() {\n if (this.state.inType) return this.tsParseType();\n return\n super.parseTemplateSubstitution();\n }\n\n tsParseThisTypeOrThisTypePredicate() {\n const thisKeyword =\n this.tsParseThisTypeNode();\n\n if (this.isContextual(\"is\") && !this.hasPrecedingLineBreak()) {\n return\n this.tsParseThisTypePredicate(thisKeyword);\n } else {\n return thisKeyword;\n }\n }\n\n tsParseNonArrayType() {\n switch (this.state.type) {\n case types.name:\n case types._void:\n case\n types._null:\n {\n const type = this.match(types._void) ? \"TSVoidKeyword\" : this.match(types._null) ?

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\"TSNullKeyword\" : keywordTypeFromName(this.state.value);\n\n    if (type !== undefined &&
this.lookaheadCharCode() !== 46) {\n    const node = this.startNode();\n    this.next();\n    return
this.finishNode(node, type);\n    }\n\n    return this.tsParseTypeReference();\n    }\n\n    case
types.string:\n    case types.num:\n    case types.bigint:\n    case types._true:\n    case types._false:\n    return
this.tsParseLiteralTypeNode();\n\n    case types.plusMin:\n    if (this.state.value === \"-\") {\n    const node =
this.startNode();\n    const nextToken = this.lookahead();\n\n    if (nextToken.type !== types.num &&
nextToken.type !== types.bigint) {\n    throw this.unexpected();\n    }\n\n    node.literal =
this.parseMaybeUnary();\n    return this.finishNode(node, \"TSLiteralType\");\n    }\n\n    break;\n\n    case types._this:\n    return this.tsParseThisTypeOrThisTypePredicate();\n\n    case types._typeof:\n    return
this.tsParseTypeQuery();\n\n    case types._import:\n    return this.tsParseImportType();\n\n    case
types.braceL:\n    return this.tsLookAhead(this.tsIsStartOfMappedType.bind(this)) ? this.tsParseMappedType() :
this.tsParseTypeLiteral();\n\n    case types.bracketL:\n    return this.tsParseTupleType();\n\n    case
types.parenL:\n    return this.tsParseParenthesizedType();\n\n    case types.backQuote:\n    return
this.tsParseTemplateLiteralType();\n    }\n\n    throw this.unexpected();\n    }\n\n    tsParseArrayTypeOrHigher() {\n
let type = this.tsParseNonArrayType();\n    while (!this.hasPrecedingLineBreak() && this.eat(types.bracketL)) {\n
    if (this.match(types.bracketR)) {\n    const node = this.startNodeAtNode(type);\n    node.elementType =
type;\n    this.expect(types.bracketR);\n    type = this.finishNode(node, \"TSArrayType\");\n    } else {\n
const node = this.startNodeAtNode(type);\n    node.objectType = type;\n    node.indexType =
this.tsParseType();\n    this.expect(types.bracketR);\n    type = this.finishNode(node,
\"TSIndexedAccessType\");\n    }\n    }\n\n    return type;\n    }\n\n    tsParseTypeOperator(operator) {\n    const node
= this.startNode();\n    this.expectContextual(operator);\n    node.operator = operator;\n    node.typeAnnotation =
this.tsParseTypeOperatorOrHigher();\n\n    if (operator === \"readonly\") {\n
this.tsCheckTypeAnnotationForReadOnly(node);\n    }\n\n    return this.finishNode(node, \"TSTypeOperator\");\n
}\n\n    tsCheckTypeAnnotationForReadOnly(node) {\n    switch (node.typeAnnotation.type) {\n    case
\"TSTupleType\":\n    case \"TSArrayType\":\n    return;\n\n    default:\n    this.raise(node.start,
TSErrors.UnexpectedReadOnly);\n    }\n    }\n\n    tsParseInferType() {\n    const node = this.startNode();\n
this.expectContextual(\"infer\");\n    const typeParameter = this.startNode();\n    typeParameter.name =
this.parseIdentifierName(typeParameter.start);\n    node.typeParameter = this.finishNode(typeParameter,
\"TSTypeParameter\");\n    return this.finishNode(node, \"TSInferType\");\n    }\n\n    tsParseTypeOperatorOrHigher()
{\n    const operator = [\"keyof\", \"unique\", \"readonly\"].find(kw => this.isContextual(kw));\n    return operator ?
this.tsParseTypeOperator(operator) : this.isContextual(\"infer\") ? this.tsParseInferType() :
this.tsParseArrayTypeOrHigher();\n    }\n\n    tsParseUnionOrIntersectionType(kind, parseConstituentType, operator)
{\n    this.eat(operator);\n    let type = parseConstituentType();\n\n    if (this.match(operator)) {\n    const types =
[type];\n\n    while (this.eat(operator)) {\n    types.push(parseConstituentType());\n    }\n\n    const node =
this.startNodeAtNode(type);\n    node.types = types;\n    type = this.finishNode(node, kind);\n    }\n\n    return
type;\n    }\n\n    tsParseIntersectionTypeOrHigher() {\n    return
this.tsParseUnionOrIntersectionType(\"TSIntersectionType\", this.tsParseTypeOperatorOrHigher.bind(this),
types.bitwiseAND);\n    }\n\n    tsParseUnionTypeOrHigher() {\n    return
this.tsParseUnionOrIntersectionType(\"TSUnionType\", this.tsParseIntersectionTypeOrHigher.bind(this),
types.bitwiseOR);\n    }\n\n    tsIsStartOfFunctionType() {\n    if (this.isRelational(\"<\")) {\n    return true;\n    }\n\n
return this.match(types.parenL) && this.tsLookAhead(this.tsIsUnambiguouslyStartOfFunctionType.bind(this));\n
}\n\n    tsSkipParameterStart() {\n    if (this.match(types.name) || this.match(types._this)) {\n    this.next();\n
return true;\n    }\n\n    if (this.match(types.braceL)) {\n    let braceStackCounter = 1;\n    this.next();\n\n    while
(braceStackCounter > 0) {\n    if (this.match(types.braceL)) {\n    ++braceStackCounter;\n    } else if
(this.match(types.braceR)) {\n    --braceStackCounter;\n    }\n\n    this.next();\n    }\n\n    return true;\n
}\n\n    if (this.match(types.bracketL)) {\n    let braceStackCounter = 1;\n    this.next();\n\n    while
(braceStackCounter > 0) {\n    if (this.match(types.bracketL)) {\n    ++braceStackCounter;\n    } else if
(this.match(types.bracketR)) {\n    --braceStackCounter;\n    }\n\n    this.next();\n    }\n\n    return true;\n
}\n

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}\n\n return false;\n }\n\n tsIsUnambiguouslyStartOfFunctionType() {\n  this.next();\n\n  if
(this.match(types.parenR) || this.match(types.ellipsis)) {\n  return true;\n  }\n\n  if (this.tsSkipParameterStart())
{\n  if (this.match(types.colon) || this.match(types.comma) || this.match(types.question) || this.match(types.eq)) {\n
return true;\n  }\n\n  if (this.match(types.parenR)) {\n  this.next();\n\n  if (this.match(types.arrow))
{\n  return true;\n  }\n  }\n\n  return false;\n }\n\n
tsParseTypeOrTypePredicateAnnotation(returnToken) {\n  return this.tsInType() => {\n  const t =
this.startNode();\n  this.expect(returnToken);\n  const asserts =
!!this.tsTryParse(this.tsParseTypePredicateAsserts.bind(this));\n\n  if (asserts && this.match(types._this)) {\n
let thisTypePredicate = this.tsParseThisTypeOrThisTypePredicate();\n\n  if (thisTypePredicate.type ===
\"TSThisType\") {\n  const node = this.startNodeAtNode(t);\n  node.parameterName =
thisTypePredicate;\n  node.asserts = true;\n  thisTypePredicate = this.finishNode(node,
\"TSTypePredicate\");\n  } else {\n  thisTypePredicate.asserts = true;\n  }\n\n  t.typeAnnotation =
thisTypePredicate;\n  return this.finishNode(t, \"TSTypeAnnotation\");\n  }\n\n  const
typePredicateVariable = this.tsIsIdentifier() && this.tsTryParse(this.tsParseTypePredicatePrefix.bind(this));\n\n
if (!typePredicateVariable) {\n  if (!asserts) {\n  return this.tsParseTypeAnnotation(false, t);\n  }\n\n
const node = this.startNodeAtNode(t);\n  node.parameterName = this.parseIdentifier();\n  node.asserts =
asserts;\n  t.typeAnnotation = this.finishNode(node, \"TSTypePredicate\");\n  return this.finishNode(t,
\"TSTypeAnnotation\");\n  }\n\n  const type = this.tsParseTypeAnnotation(false);\n  const node =
this.startNodeAtNode(t);\n  node.parameterName = typePredicateVariable;\n  node.typeAnnotation = type;\n
node.asserts = asserts;\n  t.typeAnnotation = this.finishNode(node, \"TSTypePredicate\");\n  return
this.finishNode(t, \"TSTypeAnnotation\");\n  });\n }\n\n tsTryParseTypeOrTypePredicateAnnotation() {\n
return this.match(types.colon) ? this.tsParseTypeOrTypePredicateAnnotation(types.colon) : undefined;\n }\n\n
tsTryParseTypeAnnotation() {\n  return this.match(types.colon) ? this.tsParseTypeAnnotation() : undefined;\n
}\n\n tsTryParseType() {\n  return this.tsEatThenParseType(types.colon);\n }\n\n tsParseTypePredicatePrefix()
{\n  const id = this.parseIdentifier();\n\n  if (this.isContextual(\"is\") && !this.hasPrecedingLineBreak()) {\n
this.next();\n  return id;\n  }\n }\n\n tsParseTypePredicateAsserts() {\n  if (!this.match(types.name) ||
this.state.value !== \"asserts\" || this.hasPrecedingLineBreak()) {\n  return false;\n  }\n\n  const containsEsc =
this.state.containsEsc;\n  this.next();\n\n  if (!this.match(types.name) && !this.match(types._this)) {\n  return
false;\n  }\n\n  if (containsEsc) {\n  this.raise(this.state.lastTokStart,
ErrorMessages.InvalidEscapedReservedWord, \"asserts\");\n  }\n\n  return true;\n }\n\n
tsParseTypeAnnotation(eatColon = true, t = this.startNode()) {\n  this.tsInType() => {\n  if (eatColon)
this.expect(types.colon);\n  t.typeAnnotation = this.tsParseType();\n  });\n  return this.finishNode(t,
\"TSTypeAnnotation\");\n }\n\n tsParseType() {\n  assert(this.state.inType);\n  const type =
this.tsParseNonConditionalType();\n\n  if (this.hasPrecedingLineBreak() || !this.eat(types._extends)) {\n  return
type;\n  }\n\n  const node = this.startNodeAtNode(type);\n  node.checkType = type;\n  node.extendsType =
this.tsParseNonConditionalType();\n  this.expect(types.question);\n  node.trueType = this.tsParseType();\n
this.expect(types.colon);\n  node.falseType = this.tsParseType();\n  return this.finishNode(node,
\"TSConditionalType\");\n }\n\n tsParseNonConditionalType() {\n  if (this.tsIsStartOfFunctionType()) {\n
return this.tsParseFunctionOrConstructorType(\"TSFunctionType\");\n  }\n\n  if (this.match(types._new)) {\n
return this.tsParseFunctionOrConstructorType(\"TSConstructorType\");\n  }\n\n  return
this.tsParseUnionTypeOrHigher();\n }\n\n tsParseTypeAssertion() {\n  const node = this.startNode();\n\n  const
_const = this.tsTryNextParseConstantContext();\n\n  node.typeAnnotation = _const ||
this.tsNextThenParseType();\n  this.expectRelational(\">\");\n  node.expression = this.parseMaybeUnary();\n
return this.finishNode(node, \"TSTypeAssertion\");\n }\n\n tsParseHeritageClause(descriptor) {\n  const
originalStart = this.state.start;\n  const delimitedList = this.tsParseDelimitedList(\"HeritageClauseElement\",
this.tsParseExpressionWithTypeArguments.bind(this));\n\n  if (!delimitedList.length) {\n
this.raise(originalStart, TSErrors.EmptyHeritageClauseType, descriptor);\n  }\n\n  return delimitedList;\n }\n\n
tsParseExpressionWithTypeArguments() {\n  const node = this.startNode();\n  node.expression =

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this.tsParseEntityName(false);\n\n if (this.isRelational("<")) {\n  node.typeParameters =
this.tsParseTypeArguments();\n }\n\n return this.finishNode(node, "TSExpressionWithTypeArguments");\n
}\n\n tsParseInterfaceDeclaration(node) {\n  node.id = this.parseIdentifier();\n  this.checkLVal(node.id,
BIND_TS_INTERFACE, undefined, "typescript interface declaration");\n  node.typeParameters =
this.tsTryParseTypeParameters();\n\n if (this.eat(types._extends)) {\n  node.extends =
this.tsParseHeritageClause("extends");\n }\n\n const body = this.startNode();\n  body.body =
this.tsInType(this.tsParseObjectTypeMembers.bind(this));\n  node.body = this.finishNode(body,
"TSInterfaceBody");\n  return this.finishNode(node, "TSInterfaceDeclaration");\n }\n\n
tsParseTypeAliasDeclaration(node) {\n  node.id = this.parseIdentifier();\n  this.checkLVal(node.id,
BIND_TS_TYPE, undefined, "typescript type alias");\n  node.typeParameters =
this.tsTryParseTypeParameters();\n  node.typeAnnotation = this.tsInType() => {\n  this.expect(types.eq);\n\n
if (this.isContextual("intrinsic") && this.lookahead().type !== types.dot) {\n  const node = this.startNode();\n
  this.next();\n  return this.finishNode(node, "TSIntrinsicKeyword");\n }\n\n return this.tsParseType();\n
});\n  this.semicolon();\n  return this.finishNode(node, "TSTypeAliasDeclaration");\n }\n\n tsInNoContext(cb)
{\n  const oldContext = this.state.context;\n  this.state.context = [oldContext[0]];\n\n try {\n  return cb();\n }
finally {\n  this.state.context = oldContext;\n }\n }\n\n tsInType(cb) {\n  const oldInType =
this.state.inType;\n  this.state.inType = true;\n\n try {\n  return cb();\n } finally {\n  this.state.inType =
oldInType;\n }\n }\n\n tsEatThenParseType(token) {\n  return !this.match(token) ? undefined :
this.tsNextThenParseType();\n }\n\n tsExpectThenParseType(token) {\n  return this.tsDoThenParseType() =>
this.expect(token);\n }\n\n tsNextThenParseType() {\n  return this.tsDoThenParseType() => this.next();\n
}\n\n tsDoThenParseType(cb) {\n  return this.tsInType() => {\n  cb();\n  return this.tsParseType();\n
};\n }\n\n tsParseEnumMember() {\n  const node = this.startNode();\n  node.id = this.match(types.string) ?
this.parseExprAtom() : this.parseIdentifier(true);\n\n if (this.eat(types.eq)) {\n  node.initializer =
this.parseMaybeAssignAllowIn();\n }\n\n return this.finishNode(node, "TSEnumMember");\n }\n\n
tsParseEnumDeclaration(node, isConst) {\n  if (isConst) node.const = true;\n  node.id = this.parseIdentifier();\n
this.checkLVal(node.id, isConst ? BIND_TS_CONST_ENUM : BIND_TS_ENUM, undefined, "typescript enum
declaration");\n  this.expect(types.braceL);\n  node.members = this.tsParseDelimitedList("EnumMembers",
this.tsParseEnumMember.bind(this));\n  this.expect(types.braceR);\n  return this.finishNode(node,
"TSEnumDeclaration");\n }\n\n tsParseModuleBlock() {\n  const node = this.startNode();\n
this.scope.enter(SCOPE_OTHER);\n  this.expect(types.braceL);\n
this.parseBlockOrModuleBlockBody(node.body = [], undefined, true, types.braceR);\n  this.scope.exit();\n  return
this.finishNode(node, "TSMModuleBlock");\n }\n\n tsParseModuleOrNamespaceDeclaration(node, nested = false)
{\n  node.id = this.parseIdentifier();\n\n if (!nested) {\n  this.checkLVal(node.id, BIND_TS_NAMESPACE,
null, "module or namespace declaration");\n }\n\n if (this.eat(types.dot)) {\n  const inner = this.startNode();\n
  this.tsParseModuleOrNamespaceDeclaration(inner, true);\n  node.body = inner;\n } else {\n
this.scope.enter(SCOPE_TS_MODULE);\n  this.prodParam.enter(PARAM);\n  node.body =
this.tsParseModuleBlock();\n  this.prodParam.exit();\n  this.scope.exit();\n }\n\n return
this.finishNode(node, "TSMModuleDeclaration");\n }\n\n tsParseAmbientExternalModuleDeclaration(node) {\n
if (this.isContextual("global")) {\n  node.global = true;\n  node.id = this.parseIdentifier();\n } else if
(this.match(types.string)) {\n  node.id = this.parseExprAtom();\n } else {\n  this.unexpected();\n }\n\n if
(this.match(types.braceL)) {\n  this.scope.enter(SCOPE_TS_MODULE);\n  this.prodParam.enter(PARAM);\n
node.body = this.tsParseModuleBlock();\n  this.prodParam.exit();\n  this.scope.exit();\n } else {\n
this.semicolon();\n }\n\n return this.finishNode(node, "TSMModuleDeclaration");\n }\n\n
tsParseImportEqualsDeclaration(node, isExport) {\n  node.isExport = isExport || false;\n  node.id =
this.parseIdentifier();\n  this.checkLVal(node.id, BIND_LEXICAL, undefined, "import equals declaration");\n
this.expect(types.eq);\n  node.moduleReference = this.tsParseModuleReference();\n  this.semicolon();\n  return
this.finishNode(node, "TSImportEqualsDeclaration");\n }\n\n tsIsExternalModuleReference() {\n  return
this.isContextual("require") && this.lookaheadCharCode() === 40;\n }\n\n tsParseModuleReference() {\n

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return this.tsIsExternalModuleReference() ? this.tsParseExternalModuleReference() :
this.tsParseEntityName(false);\n }\n\n tsParseExternalModuleReference() {\n  const node = this.startNode();\n  this.expectContextual("\require");\n  this.expect(types.parenL);\n  if (!this.match(types.string)) {\n    throw\n    this.unexpected();\n  }\n  node.expression = this.parseExprAtom();\n  this.expect(types.parenR);\n  return\n  this.finishNode(node, "\TSExternalModuleReference");\n }\n\n tsLookAhead(f) {\n  const state =\n  this.state.clone();\n  const res = f();\n  this.state = state;\n  return res;\n }\n\n tsTryParseAndCatch(f) {\n  const\n  result = this.tryParse(abort => f) || abort();\n  if (result.aborted || !result.node) return undefined;\n  if\n  (result.error) this.state = result.failState;\n  return result.node;\n }\n\n tsTryParse(f) {\n  const state =\n  this.state.clone();\n  const result = f();\n  if (result !== undefined && result !== false) {\n    return result;\n  }\n  else {\n    this.state = state;\n    return undefined;\n  }\n }\n\n tsTryParseDeclare(nany) {\n  if\n  (this.isLineTerminator()) {\n    return;\n  }\n  let starttype = this.state.type;\n  let kind;\n  if\n  (this.isContextual("let")) {\n    starttype = types._var;\n    kind = "let";\n  }\n  return\n  this.tsInDeclareContext((() => {\n    switch (starttype) {\n      case types._function:\n        nany.declare = true;\n        return this.parseFunctionStatement(nany, false, true);\n      case types._class:\n        nany.declare = true;\n        return this.parseClass(nany, true, false);\n      case types._const:\n        if (this.match(types._const) &&\n        this.isLookaheadContextual("enum")) {\n          this.expect(types._const);\n          this.expectContextual("enum");\n          return this.tsParseEnumDeclaration(nany, true);\n        }\n      case\n      types._var:\n        kind = kind || this.state.value;\n        return this.parseVarStatement(nany, kind);\n      case\n      types.name:\n        {\n          const value = this.state.value;\n          if (value === "global") {\n            return\n            this.tsParseAmbientExternalModuleDeclaration(nany);\n          }\n        } else {\n          return\n          this.tsParseDeclaration(nany, value, true);\n        }\n      }\n    });\n  }\n  }\n\n tsTryParseExportDeclaration()\n  {\n    return this.tsParseDeclaration(this.startNode(), this.state.value, true);\n  }\n\n tsParseExpressionStatement(node, expr) {\n  switch (expr.name) {\n    case "declare":\n      {\n        const\n        declaration = this.tsTryParseDeclare(node);\n        if (declaration) {\n          declaration.declare = true;\n          return declaration;\n        }\n        break;\n      }\n    case "global":\n      if (this.match(types.braceL)) {\n        this.scope.enter(SCOPE_TS_MODULE);\n        this.prodParam.enter(PARAM);\n        const mod = node;\n        mod.global = true;\n        mod.id = expr;\n        mod.body = this.tsParseModuleBlock();\n        this.scope.exit();\n        this.prodParam.exit();\n        return this.finishNode(mod, "\TSMODULEDeclaration");\n      }\n    }\n    break;\n  }\n  default:\n    return this.tsParseDeclaration(node, expr.name, false);\n  }\n}\n\n tsParseDeclaration(node, value, next) {\n  switch (value) {\n    case "abstract":\n      if\n      (this.tsCheckLineTerminatorAndMatch(types._class, next)) {\n        const cls = node;\n        cls.abstract =\n        true;\n        if (next) {\n          this.next();\n        }\n        if (!this.match(types._class)) {\n          this.unexpected(null, types._class);\n        }\n        return this.parseClass(cls, true, false);\n      }\n    }\n    break;\n  }\n  case "enum":\n    if (next || this.match(types.name)) {\n      if (next) this.next();\n      return\n      this.tsParseEnumDeclaration(node, false);\n    }\n    }\n    break;\n  }\n  case "interface":\n    if\n    (this.tsCheckLineTerminatorAndMatch(types.name, next)) {\n      if (next) this.next();\n      return\n      this.tsParseInterfaceDeclaration(node);\n    }\n    }\n    break;\n  }\n  case "module":\n    if (next)\n    this.next();\n    if (this.match(types.string)) {\n      return\n      this.tsParseAmbientExternalModuleDeclaration(node);\n    }\n  } else if\n  (this.tsCheckLineTerminatorAndMatch(types.name, next)) {\n    return\n    this.tsParseModuleOrNamespaceDeclaration(node);\n  }\n  }\n  break;\n  }\n  case "namespace":\n    if\n    (this.tsCheckLineTerminatorAndMatch(types.name, next)) {\n      if (next) this.next();\n      return\n      this.tsParseModuleOrNamespaceDeclaration(node);\n    }\n    }\n    break;\n  }\n  case "type":\n    if\n    (this.tsCheckLineTerminatorAndMatch(types.name, next)) {\n      if (next) this.next();\n      return\n      this.tsParseTypeAliasDeclaration(node);\n    }\n    }\n    break;\n  }\n  }\n}\n\n tsCheckLineTerminatorAndMatch(tokenType, next) {\n  return (next || this.match(tokenType)) &&\n  !this.isLineTerminator();\n }\n\n tsTryParseGenericAsyncArrowFunction(startPos, startLoc) {\n  if\n  (!this.isRelational("<")) {\n    return undefined;\n  }\n  }\n  const oldMaybeInArrowParameters =

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this.state.maybeInArrowParameters;\n  this.state.maybeInArrowParameters = true;\n  const res =
this.tsTryParseAndCatch(() => {\n  const node = this.startNodeAt(startPos, startLoc);\n  node.typeParameters =
this.tsParseTypeParameters();\n  super.parseFunctionParams(node);\n  node.returnType =
this.tsTryParseTypeOrTypePredicateAnnotation();\n  this.expect(types.arrow);\n  return node;\n });\n  this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n  if (!res) {\n  return undefined;\n }\n  return this.parseArrowExpression(res, null, true);\n }\n\n tsParseTypeArguments() {\n  const node =
this.startNode();\n  node.params = this.tsInType(() => this.tsInNoContext(() => {\n
this.expectRelational("<");\n  return this.tsParseDelimitedList("TypeParametersOrArguments",
this.tsParseType.bind(this));\n  }));\n  if (node.params.length === 0) {\n  this.raise(node.start,
TSErrors.EmptyTypeArguments);\n  }\n  this.state.exprAllowed = false;\n  this.expectRelational(">");\n  return this.finishNode(node, "TSTypeParameterInstantiation");\n }\n\n tsIsDeclarationStart() {\n  if
(this.match(types.name)) {\n  switch (this.state.value) {\n  case "abstract":\n  case "declare":\n  case
"enum":\n  case "interface":\n  case "module":\n  case "namespace":\n  case "type":\n  return true;\n  }\n  }\n  return false;\n }\n\n isExportDefaultSpecifier() {\n  if (this.tsIsDeclarationStart())
return false;\n  return super.isExportDefaultSpecifier();\n }\n\n parseAssignableListItem(allowModifiers,
decorators) {\n  const startPos = this.state.start;\n  const startLoc = this.state.startLoc;\n  let accessibility;\n  let
readonly = false;\n\n  if (allowModifiers !== undefined) {\n  accessibility = this.parseAccessModifier();\n  readonly = !!this.tsParseModifier(["readonly"]);}\n\n  if (allowModifiers === false && (accessibility || readonly))
{\n  this.raise(startPos, TSErrors.UnexpectedParameterModifier);\n  }\n  }\n\n  const left =
this.parseMaybeDefault();\n  this.parseAssignableListItemTypes(left);\n  const elt =
this.parseMaybeDefault(left.start, left.loc.start, left);\n\n  if (accessibility || readonly) {\n  const pp =
this.startNodeAt(startPos, startLoc);\n  if (decorators.length) {\n  pp.decorators = decorators;\n  }\n\n  if (accessibility) pp.accessibility = accessibility;\n  if (readonly) pp.readonly = readonly;\n\n  if (elt.type !==
"Identifier" && elt.type !== "AssignmentPattern") {\n  this.raise(pp.start,
TSErrors.UnsupportedParameterPropertyKind);\n  }\n\n  pp.parameter = elt;\n  return this.finishNode(pp,
"TSParameterProperty");\n  }\n\n  if (decorators.length) {\n  left.decorators = decorators;\n  }\n\n  return
elt;\n  }\n\n  parseFunctionBodyAndFinish(node, type, isMethod = false) {\n  if (this.match(types.colon)) {\n
node.returnType = this.tsParseTypeOrTypePredicateAnnotation(types.colon);\n  }\n\n  const bodilessType = type
=== "FunctionDeclaration" ? "TSDeclareFunction" : type === "ClassMethod" ? "TSDeclareMethod" :
undefined;\n\n  if (bodilessType && !this.match(types.braceL) && this.isLineTerminator()) {\n
this.finishNode(node, bodilessType);\n  return;\n  }\n\n  if (bodilessType === "TSDeclareFunction" &&
this.state.isDeclareContext) {\n  this.raise(node.start, TSErrors.DeclareFunctionHasImplementation);\n\n  if
(node.declare) {\n  super.parseFunctionBodyAndFinish(node, bodilessType, isMethod);\n  return;\n  }\n  }\n\n  super.parseFunctionBodyAndFinish(node, type, isMethod);\n  }\n\n  registerFunctionStatementId(node) {\n
if (!node.body && node.id) {\n  this.checkLVal(node.id, BIND_TS_AMBIENT, null, "function name");\n  }\n
else {\n  super.registerFunctionStatementId(...arguments);\n  }\n  }\n\n  tsCheckForInvalidTypeCasts(items) {\n
items.forEach(node => {\n  if ((node === null ? void 0 : node.type) === "TSTypeCastExpression") {\n
this.raise(node.typeAnnotation.start, TSErrors.UnexpectedTypeAnnotation);\n  }\n  });\n  }\n\n  toReferencedList(exprList, isInParens) {\n  this.tsCheckForInvalidTypeCasts(exprList);\n  return exprList;\n
}\n\n  parseArrayLike(...args) {\n  const node = super.parseArrayLike(...args);\n\n  if (node.type ===
"ArrayExpression") {\n  this.tsCheckForInvalidTypeCasts(node.elements);\n  }\n\n  return node;\n  }\n\n  parseSubscript(base, startPos, startLoc, noCalls, state) {\n  if (!this.hasPrecedingLineBreak() &&
this.match(types.bang)) {\n  this.state.exprAllowed = false;\n  this.next();\n  const nonNullExpression =
this.startNodeAt(startPos, startLoc);\n  nonNullExpression.expression = base;\n  return
this.finishNode(nonNullExpression, "TSNonNullExpression");\n  }\n\n  if (this.isRelational("<")) {\n  const
result = this.tsTryParseAndCatch(() => {\n  if (!noCalls && this.atPossibleAsyncArrow(base)) {\n  const
asyncArrowFn = this.tsTryParseGenericAsyncArrowFunction(startPos, startLoc);\n\n  if (asyncArrowFn) {\n
return asyncArrowFn;\n  }\n  }\n\n  const node = this.startNodeAt(startPos, startLoc);\n

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node.callee = base;\n    const typeArguments = this.tsParseTypeArguments();\n    if (typeArguments) {\n    if (!noCalls && this.eat(types.parenL)) {\n        node.arguments =\n        this.parseCallExpressionArguments(types.parenR, false);\n    }\n    this.tsCheckForInvalidTypeCasts(node.arguments);\n    node.typeParameters = typeArguments;\n    return\n    this.finishCallExpression(node, state.optionalChainMember);\n    } else if (this.match(types.backQuote)) {\n    const result = this.parseTaggedTemplateExpression(base, startPos, startLoc, state);\n    result.typeParameters\n    = typeArguments;\n    return result;\n    }\n    }\n    this.unexpected();\n    });\n    if (result) return\n    result;\n    }\n    return super.parseSubscript(base, startPos, startLoc, noCalls, state);\n    }\n    }\n    parseNewArguments(node) {\n    if (this.isRelational("<")) {\n    const typeParameters =\n    this.tsTryParseAndCatch(() => {\n    const args = this.tsParseTypeArguments();\n    if\n    (!this.match(types.parenL)) this.unexpected();\n    return args;\n    });\n    if (typeParameters) {\n    node.typeParameters = typeParameters;\n    }\n    }\n    super.parseNewArguments(node);\n    }\n    }\n    parseExprOp(left, leftStartPos, leftStartLoc, minPrec) {\n    if (nonNull(types._in.binop) > minPrec &&\n    !this.hasPrecedingLineBreak() && this.isContextual("as")) {\n    const node = this.startNodeAt(leftStartPos,\n    leftStartLoc);\n    node.expression = left;\n    const _const = this.tsTryNextParseConstantContext();\n    if\n    (_const) {\n    node.typeAnnotation = _const;\n    } else {\n    node.typeAnnotation =\n    this.tsNextThenParseType();\n    }\n    }\n    this.finishNode(node, "TSAsExpression");\n    this.reScan_lt_gt();\n    return this.parseExprOp(node, leftStartPos, leftStartLoc, minPrec);\n    }\n    }\n    return super.parseExprOp(left,\n    leftStartPos, leftStartLoc, minPrec);\n    }\n    }\n    checkReservedWord(word, startLoc, checkKeywords, isBinding)\n    {\n    }\n    }\n    checkDuplicateExports() {\n    }\n    }\n    parseImport(node) {\n    if (this.match(types.name) || this.match(types.star)\n    || this.match(types.braceL)) {\n    const ahead = this.lookahead();\n    if (this.match(types.name) && ahead.type\n    === types.eq) {\n    return this.tsParseImportEqualsDeclaration(node);\n    }\n    }\n    if (this.isContextual("type")\n    && ahead.type !== types.comma && !(ahead.type === types.name && ahead.value === "from")) {\n    node.importKind = "type";\n    this.next();\n    }\n    }\n    if (!node.importKind) {\n    node.importKind =\n    "value";\n    }\n    }\n    const importNode = super.parseImport(node);\n    if (importNode.importKind === "type"\n    && importNode.specifiers.length > 1 && importNode.specifiers[0].type === "ImportDefaultSpecifier") {\n    this.raise(importNode.start, "A type-only import can specify a default import or named bindings, but not both.");\n    }\n    }\n    return importNode;\n    }\n    }\n    parseExport(node) {\n    if (this.match(types._import)) {\n    this.expect(types._import);\n    return this.tsParseImportEqualsDeclaration(node, true);\n    } else if\n    (this.eat(types.eq)) {\n    const assign = node;\n    assign.expression = this.parseExpression();\n    this.semicolon();\n    return this.finishNode(assign, "TSExportAssignment");\n    } else if\n    (this.eatContextual("as")) {\n    const decl = node;\n    this.expectContextual("namespace");\n    decl.id =\n    this.parseIdentifier();\n    this.semicolon();\n    return this.finishNode(decl,\n    "TSNamespaceExportDeclaration");\n    } else {\n    if (this.isContextual("type") && this.lookahead().type ===\n    types.braceL) {\n    this.next();\n    node.exportKind = "type";\n    } else {\n    node.exportKind =\n    "value";\n    }\n    }\n    return super.parseExport(node);\n    }\n    }\n    }\n    isAbstractClass() {\n    return\n    this.isContextual("abstract") && this.lookahead().type === types._class;\n    }\n    }\n    parseExportDefaultExpression()\n    {\n    if (this.isAbstractClass()) {\n    const cls = this.startNode();\n    this.next();\n    this.parseClass(cls, true,\n    true);\n    cls.abstract = true;\n    return cls;\n    }\n    }\n    if (this.state.value === "interface") {\n    const result =\n    this.tsParseDeclaration(this.startNode(), this.state.value, true);\n    if (result) return result;\n    }\n    }\n    return\n    super.parseExportDefaultExpression();\n    }\n    }\n    parseStatementContent(context, topLevel) {\n    if (this.state.type\n    === types._const) {\n    const ahead = this.lookahead();\n    if (ahead.type === types.name && ahead.value ===\n    "enum") {\n    const node = this.startNode();\n    this.expect(types._const);\n    this.expectContextual("enum");\n    return this.tsParseEnumDeclaration(node, true);\n    }\n    }\n    }\n    return\n    super.parseStatementContent(context, topLevel);\n    }\n    }\n    parseAccessModifier() {\n    return\n    this.tsParseModifier(["public", "protected", "private"]);\n    }\n    }\n    parseClassMember(classBody, member, state)\n    {\n    this.tsParseModifiers(member, ["declare"]); \n    const accessibility = this.parseAccessModifier();\n    if\n    (accessibility) member.accessibility = accessibility;\n    this.tsParseModifiers(member, ["declare"]); \n    const

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callParseClassMember = () => {\n  super.parseClassMember(classBody, member, state);\n  }\n  if\n  (member.declare) {\n    this.tsInDeclareContext(callParseClassMember);\n  } else {\n\n    callParseClassMember();\n  }\n  }\n  parseClassMemberWithIsStatic(classBody, member, state, isStatic) {\n    this.tsParseModifiers(member, [\"abstract\", \"readonly\", \"declare\"]);\n    const idx =\n    this.tsTryParseIndexSignature(member);\n    if (idx) {\n      classBody.body.push(idx);\n      if (member.abstract)\n      {\n        this.raise(member.start, TSErrors.IndexSignatureHasAbstract);\n      }\n      if (isStatic) {\n        this.raise(member.start, TSErrors.IndexSignatureHasStatic);\n      }\n      if (member.accessibility) {\n        this.raise(member.start, TSErrors.IndexSignatureHasAccessibility, member.accessibility);\n      }\n      if\n      (member.declare) {\n        this.raise(member.start, TSErrors.IndexSignatureHasDeclare);\n      }\n      return;\n    }\n    super.parseClassMemberWithIsStatic(classBody, member, state, isStatic);\n  }\n  parsePostMemberNameModifiers(methodOrProp) {\n    const optional = this.eat(types.question);\n    if (optional)\n    methodOrProp.optional = true;\n    if (methodOrProp.readonly && this.match(types.parenL)) {\n      this.raise(methodOrProp.start, TSErrors.ClassMethodHasReadonly);\n    }\n    if (methodOrProp.declare &&\n    this.match(types.parenL)) {\n      this.raise(methodOrProp.start, TSErrors.ClassMethodHasDeclare);\n    }\n  }\n  parseExpressionStatement(node, expr) {\n    const decl = expr.type === \"Identifier\" ?\n    this.tsParseExpressionStatement(node, expr) : undefined;\n    return decl || super.parseExpressionStatement(node,\n    expr);\n  }\n  shouldParseExportDeclaration() {\n    if (this.tsIsDeclarationStart()) return true;\n    return\n    super.shouldParseExportDeclaration();\n  }\n  parseConditional(expr, startPos, startLoc, refNeedsArrowPos) {\n    if (!refNeedsArrowPos || !this.match(types.question)) {\n      return super.parseConditional(expr, startPos, startLoc,\n      refNeedsArrowPos);\n    }\n    const result = this.tryParse(() => super.parseConditional(expr, startPos,\n    startLoc));\n    if (!result.node) {\n      refNeedsArrowPos.start = result.error.pos || this.state.start;\n      return\n      expr;\n    }\n    if (result.error) this.state = result.failState;\n    return result.node;\n  }\n  parseParenItem(node,\n  startPos, startLoc) {\n    node = super.parseParenItem(node, startPos, startLoc);\n    if (this.eat(types.question)) {\n      node.optional = true;\n      this.resetEndLocation(node);\n    }\n    if (this.match(types.colon)) {\n      const\n      typeCastNode = this.startNodeAt(startPos, startLoc);\n      typeCastNode.expression = node;\n      typeCastNode.typeAnnotation = this.tsParseTypeAnnotation();\n      return this.finishNode(typeCastNode,\n      \"TSTypeCastExpression\");\n    }\n    return node;\n  }\n  parseExportDeclaration(node) {\n    const startPos =\n    this.state.start;\n    const startLoc = this.state.startLoc;\n    const isDeclare = this.eatContextual(\"declare\");\n    let\n    declaration;\n    if (this.match(types.name)) {\n      declaration = this.tsTryParseExportDeclaration();\n    }\n    if\n    (!declaration) {\n      declaration = super.parseExportDeclaration(node);\n    }\n    if (declaration &&\n    (declaration.type === \"TSInterfaceDeclaration\" || declaration.type === \"TSTypeAliasDeclaration\" || isDeclare))\n    {\n      node.exportKind = \"type\";\n    }\n    if (declaration && isDeclare) {\n      this.resetStartLocation(declaration, startPos, startLoc);\n      declaration.declare = true;\n    }\n    return\n    declaration;\n  }\n  parseClassId(node, isStatement, optionalId) {\n    if ((!isStatement || optionalId) &&\n    this.isContextual(\"implements\")) {\n      return;\n    }\n    super.parseClassId(node, isStatement, optionalId,\n    node.declare ? BIND_TS_AMBIENT : BIND_CLASS);\n    const typeParameters =\n    this.tsTryParseTypeParameters();\n    if (typeParameters) node.typeParameters = typeParameters;\n  }\n  parseClassPropertyAnnotation(node) {\n    if (!node.optional && this.eat(types.bang)) {\n      node.definite = true;\n    }\n    const type = this.tsTryParseTypeAnnotation();\n    if (type) node.typeAnnotation = type;\n  }\n  parseClassProperty(node) {\n    this.parseClassPropertyAnnotation(node);\n    if (this.state.isDeclareContext &&\n    this.match(types.eq)) {\n      this.raise(this.state.start, TSErrors.DeclareClassFieldHasInitializer);\n    }\n    return\n    super.parseClassProperty(node);\n  }\n  parseClassPrivateProperty(node) {\n    if (node.abstract) {\n      this.raise(node.start, TSErrors.PrivateElementHasAbstract);\n    }\n    if (node.accessibility) {\n      this.raise(node.start, TSErrors.PrivateElementHasAccessibility, node.accessibility);\n    }\n    this.parseClassPropertyAnnotation(node);\n    return super.parseClassPrivateProperty(node);\n  }\n  pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {\n    const\n    typeParameters = this.tsTryParseTypeParameters();\n    if (typeParameters && isConstructor) {\n      this.raise(typeParameters.start, TSErrors.ConstructorHasTypeParameters);\n    }\n    if (typeParameters)

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method.typeParameters = typeParameters;\n  super.pushClassMethod(classBody, method, isGenerator, isAsync,
isConstructor, allowsDirectSuper);\n }\n\n pushClassPrivateMethod(classBody, method, isGenerator, isAsync) {\n
  const typeParameters = this.tsTryParseTypeParameters();\n  if (typeParameters) method.typeParameters =
typeParameters;\n  super.pushClassPrivateMethod(classBody, method, isGenerator, isAsync);\n }\n\n
parseClassSuper(node) {\n  super.parseClassSuper(node);\n\n  if (node.superClass && this.isRelational("<"))
{\n  node.superTypeParameters = this.tsParseTypeArguments();\n }\n\n  if
(this.eatContextual("implements")) {\n  node.implements = this.tsParseHeritageClause("implements");\n }\n
}\n\n parseObjPropValue(prop, ...args) {\n  const typeParameters = this.tsTryParseTypeParameters();\n  if
(typeParameters) prop.typeParameters = typeParameters;\n  super.parseObjPropValue(prop, ...args);\n }\n\n
parseFunctionParams(node, allowModifiers) {\n  const typeParameters = this.tsTryParseTypeParameters();\n  if
(typeParameters) node.typeParameters = typeParameters;\n  super.parseFunctionParams(node, allowModifiers);\n
}\n\n parseVarId(decl, kind) {\n  super.parseVarId(decl, kind);\n\n  if (decl.id.type === "Identifier" &&
this.eat(types.bang)) {\n  decl.definite = true;\n }\n\n  const type = this.tsTryParseTypeAnnotation();\n\n  if
(type) {\n  decl.id.typeAnnotation = type;\n  this.resetEndLocation(decl.id);\n }\n }\n\n
parseAsyncArrowFromCallExpression(node, call) {\n  if (this.match(types.colon)) {\n  node.returnType =
this.tsParseTypeAnnotation();\n }\n\n  return super.parseAsyncArrowFromCallExpression(node, call);\n }\n\n
parseMaybeAssign(...args) {\n  var _jsx, _jsx2, _typeCast, _jsx3, _typeCast2, _jsx4, _typeCast3;\n\n  let state;\n
let jsx;\n  let typeCast;\n\n  if (this.match(types.jsxTagStart)) {\n  state = this.state.clone();\n  jsx =
this.tryParse(() => super.parseMaybeAssign(...args), state);\n  if (!jsx.error) return jsx.node;\n  const {\n
context\n  } = this.state;\n\n  if (context[context.length - 1] === types.$1.j_oTag) {\n  context.length -= 2;\n
  } else if (context[context.length - 1] === types.$1.j_expr) {\n  context.length -= 1;\n  }\n }\n\n  if (!((_jsx
= jsx) == null ? void 0 : _jsx.error) && !this.isRelational("<")) {\n  return super.parseMaybeAssign(...args);\n
}\n\n  let typeParameters;\n  state = state || this.state.clone();\n  const arrow = this.tryParse(abort => {\n  var
_typeParameters;\n\n  typeParameters = this.tsParseTypeParameters();\n  const expr =
super.parseMaybeAssign(...args);\n\n  if (expr.type !== "ArrowFunctionExpression" || expr.extra &&
expr.extra.parenthesized) {\n  abort();\n }\n\n  if (((_typeParameters = typeParameters) == null ? void 0 :
_typeParameters.params.length) !== 0) {\n  this.resetStartLocationFromNode(expr, typeParameters);\n }\n\n
expr.typeParameters = typeParameters;\n  return expr;\n }, state);\n  if (!arrow.error && !arrow.aborted)
return arrow.node;\n\n  if (!jsx) {\n  assert(!this.hasPlugin("jsx"));\n  typeCast = this.tryParse(() =>
super.parseMaybeAssign(...args), state);\n  if (!typeCast.error) return typeCast.node;\n }\n\n  if ((_jsx2 =
jsx) == null ? void 0 : _jsx2.node) {\n  this.state = jsx.failState;\n  return jsx.node;\n }\n\n  if (arrow.node) {\n
this.state = arrow.failState;\n  return arrow.node;\n }\n\n  if ((_typeCast = typeCast) == null ? void 0 :
_typeCast.node) {\n  this.state = typeCast.failState;\n  return typeCast.node;\n }\n\n  if ((_jsx3 = jsx) == null
? void 0 : _jsx3.thrown) throw jsx.error;\n  if (arrow.thrown) throw arrow.error;\n  if ((_typeCast2 = typeCast)
== null ? void 0 : _typeCast2.thrown) throw typeCast.error;\n  throw ((_jsx4 = jsx) == null ? void 0 : _jsx4.error) ||
arrow.error || ((_typeCast3 = typeCast) == null ? void 0 : _typeCast3.error);\n }\n\n
parseMaybeUnary(refExpressionErrors) {\n  if (!this.hasPlugin("jsx") && this.isRelational("<")) {\n  return
this.tsParseTypeAssertion();\n } else {\n  return super.parseMaybeUnary(refExpressionErrors);\n }\n }\n\n
parseArrow(node) {\n  if (this.match(types.colon)) {\n  const result = this.tryParse(abort => {\n  const
returnType = this.tsParseTypeOrTypePredicateAnnotation(types.colon);\n  if (this.canInsertSemicolon() ||
!this.match(types.arrow)) abort();\n  return returnType;\n });\n  if (result.aborted) return;\n\n  if
(!result.thrown) {\n  if (result.error) this.state = result.failState;\n  node.returnType = result.node;\n }\n
}\n\n  return super.parseArrow(node);\n }\n\n  parseAssignableListItemTypes(param) {\n  if
(this.eat(types.question)) {\n  if (param.type !== "Identifier" && !this.state.isDeclareContext &&
!this.state.inType) {\n  this.raise(param.start, TSErrors.PatternIsOptional);\n }\n\n  param.optional = true;\n
}\n\n  const type = this.tsTryParseTypeAnnotation();\n  if (type) param.typeAnnotation = type;\n\n  this.resetEndLocation(param);\n  return param;\n }\n\n  toAssignable(node) {\n  switch (node.type) {\n  case
"TSTypeCastExpression":\n  return super.toAssignable(this.typeCastToParameter(node));\n\n  case

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\"TSPParameterProperty\":\n    return super.toAssignable(node);\n\n    case \"TSAsExpression\":\n    case \"TSNonNullExpression\":\n    case \"TSTypeAssertion\":\n    node.expression =\n    this.toAssignable(node.expression);\n    return node;\n\n    default:\n    return super.toAssignable(node);\n\n  }\n}\n\ncheckLVal(expr, bindingType = BIND_NONE, checkClashes, contextDescription) {\n  switch\n  (expr.type) {\n    case \"TSTypeCastExpression\":\n    return;\n\n    case \"TSPParameterProperty\":\n    this.checkLVal(expr.parameter, bindingType, checkClashes, \"parameter property\");\n    return;\n\n    case\n    \"TSAsExpression\":\n    case \"TSNonNullExpression\":\n    case \"TSTypeAssertion\":\n    this.checkLVal(expr.expression, bindingType, checkClashes, contextDescription);\n    return;\n\n    default:\n    super.checkLVal(expr, bindingType, checkClashes, contextDescription);\n    return;\n  }\n}\n\nparseBindingAtom() {\n  switch (this.state.type) {\n    case types._this:\n    return this.parseIdentifier(true);\n\n    default:\n    return super.parseBindingAtom();\n  }\n}\n\nparseMaybeDecoratorArguments(expr) {\n  if\n  (this.isRelational(\"<\")) {\n    const typeArguments = this.tsParseTypeArguments();\n\n    if\n  (this.match(types.parenL)) {\n    const call = super.parseMaybeDecoratorArguments(expr);\n    call.typeParameters = typeArguments;\n    return call;\n  }\n\n  this.unexpected(this.state.start,\n  types.parenL);\n  }\n\n  return super.parseMaybeDecoratorArguments(expr);\n}\n\nisClassMethod() {\n  return this.isRelational(\"<\" || super.isClassMethod());\n}\n\nisClassProperty() {\n  return\n  this.match(types.bang) || this.match(types.colon) || super.isClassProperty();\n}\n\nparseMaybeDefault(...args) {\n  const node = super.parseMaybeDefault(...args);\n\n  if (node.type === \"AssignmentPattern\" &&\n  node.typeAnnotation && node.right.start < node.typeAnnotation.start) {\n    this.raise(node.typeAnnotation.start,\n    TSErrors.TypeAnnotationAfterAssign);\n  }\n\n  return node;\n}\n\ngetTokenFromCode(code) {\n  if\n  (this.state.inType && (code === 62 || code === 60)) {\n    return this.finishOp(types.relational, 1);\n  } else {\n    return super.getTokenFromCode(code);\n  }\n}\n\nreScan_lt_gt() {\n  if (this.match(types.relational)) {\n    const code = this.input.charCodeAt(this.state.start);\n\n    if (code === 60 || code === 62) {\n      this.state.pos -=\n      1;\n      this.readToken_lt_gt(code);\n    }\n  }\n}\n\ntoAssignableList(exprList) {\n  for (let i = 0; i <\n  exprList.length; i++) {\n    const expr = exprList[i];\n\n    if (!expr) continue;\n\n    switch (expr.type) {\n      case\n    \"TSTypeCastExpression\":\n      exprList[i] = this.typeCastToParameter(expr);\n      break;\n\n      case\n    \"TSAsExpression\":\n      case \"TSTypeAssertion\":\n      if (!this.state.maybeInArrowParameters) {\n        exprList[i] = this.typeCastToParameter(expr);\n      } else {\n        this.raise(expr.start,\n        TSErrors.UnexpectedTypeCastInParameter);\n      }\n      break;\n    }\n\n    return\n    super.toAssignableList(...arguments);\n  }\n}\n\ntypeCastToParameter(node) {\n  node.expression.typeAnnotation =\n  node.typeAnnotation;\n  this.resetEndLocation(node.expression, node.typeAnnotation.end,\n  node.typeAnnotation.loc.end);\n  return node.expression;\n}\n\nshouldParseArrow() {\n  return\n  this.match(types.colon) || super.shouldParseArrow();\n}\n\nshouldParseAsyncArrow() {\n  return\n  this.match(types.colon) || super.shouldParseAsyncArrow();\n}\n\ncanHaveLeadingDecorator() {\n  return\n  super.canHaveLeadingDecorator() || this.isAbstractClass();\n}\n\njsxParseOpeningElementAfterName(node) {\n  if (this.isRelational(\"<\")) {\n    const typeArguments = this.tsTryParseAndCatch(() =>\n    this.tsParseTypeArguments());\n\n    if (typeArguments) node.typeParameters = typeArguments;\n  }\n\n  return\n  super.jsxParseOpeningElementAfterName(node);\n}\n\ngetGetterSetterExpectedParamCount(method) {\n  const\n  baseCount = super.getGetterSetterExpectedParamCount(method);\n  const firstParam = method.params[0];\n  const hasContextParam = firstParam && firstParam.type === \"Identifier\" &&\n  firstParam.name === \"this\";\n  return hasContextParam ? baseCount + 1 : baseCount;\n}\n\nparseCatchClauseParam() {\n  const param =\n  super.parseCatchClauseParam();\n  const type = this.tsTryParseTypeAnnotation();\n  if (type) {\n    param.typeAnnotation = type;\n    this.resetEndLocation(param);\n  }\n\n  return param;\n}\n\ntsInDeclareContext(cb) {\n  const oldIsDeclareContext = this.state.isDeclareContext;\n  this.state.isDeclareContext = true;\n\n  try {\n    return cb();\n  } finally {\n    this.state.isDeclareContext =\n    oldIsDeclareContext;\n  }\n}\n\ntypes.placeholder = new TokenType(\"%%\", {\n  startsExpr:\n  true\n});\n\nvar placeholders = (superClass => class extends superClass {\n  parsePlaceholder(expectedNode) {\n    if\n  (this.match(types.placeholder)) {\n    const node = this.startNode();\n    this.next();\n  }\n}\n}\n\n
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this.assertNoSpace("Unexpected space in placeholder.");\n    node.name = super.parseIdentifier(true);\nthis.assertNoSpace("Unexpected space in placeholder.");\n    this.expect(types.placeholder);\n    return\nthis.finishPlaceholder(node, expectedNode);\n  }\n}\n\nfinishPlaceholder(node, expectedNode) {\n  const\nisFinished = !(node.expectedNode && node.type === "Placeholder");\n  node.expectedNode = expectedNode;\n  return isFinished ? node : this.finishNode(node, "Placeholder");\n}\n\ngetTokenFromCode(code) {\n  if (code\n=== 37 && this.input.charCodeAt(this.state.pos + 1) === 37) {\n    return this.finishOp(types.placeholder, 2);\n  }\n\n  return super.getTokenFromCode(...arguments);\n}\n\nparseExprAtom() {\n  return\nthis.parsePlaceholder("Expression") || super.parseExprAtom(...arguments);\n}\n\nparseIdentifier() {\n  return\nthis.parsePlaceholder("Identifier") || super.parseIdentifier(...arguments);\n}\n\ncheckReservedWord(word) {\n  if (word !== undefined) super.checkReservedWord(...arguments);\n}\n\nparseBindingAtom() {\n  return\nthis.parsePlaceholder("Pattern") || super.parseBindingAtom(...arguments);\n}\n\ncheckLVal(expr) {\n  if\n(expr.type !== "Placeholder") super.checkLVal(...arguments);\n}\n\n assignable(node) {\n  if (node &&\nnode.type === "Placeholder" && node.expectedNode === "Expression") {\n    node.expectedNode =\n"Pattern";\n    return node;\n  }\n\n  return super.assignable(...arguments);\n}\n\nverifyBreakContinue(node) {\n  if (node.label && node.label.type === "Placeholder") return;\n  super.verifyBreakContinue(...arguments);\n}\n\nparseExpressionStatement(node, expr) {\n  if (expr.type !==\n"Placeholder" || expr.extra && expr.extra.parenthesized) {\n    return\nsuper.parseExpressionStatement(...arguments);\n  }\n\n  if (this.match(types.colon)) {\n    const stmt = node;\n    stmt.label = this.finishPlaceholder(expr, "Identifier");\n    this.next();\n    stmt.body =\nthis.parseStatement("label");\n    return this.finishNode(stmt, "LabeledStatement");\n  }\n\n  this.semicolon();\n  node.name = expr.name;\n  return this.finishPlaceholder(node, "Statement");\n}\n\nparseBlock() {\n  return this.parsePlaceholder("BlockStatement") || super.parseBlock(...arguments);\n}\n\nparseFunctionId() {\n  return this.parsePlaceholder("Identifier") || super.parseFunctionId(...arguments);\n}\n\nparseClass(node, isStatement, optionalId) {\n  const type = isStatement ? "ClassDeclaration" :\n"ClassExpression";\n  this.next();\n  this.takeDecorators(node);\n  const oldStrict = this.state.strict;\n  const\nplaceholder = this.parsePlaceholder("Identifier");\n  if (placeholder) {\n    if (this.match(types._extends) ||\nthis.match(types.placeholder) || this.match(types.braceL)) {\n      node.id = placeholder;\n    } else if (optionalId ||\n!isStatement) {\n      node.id = null;\n      node.body = this.finishPlaceholder(placeholder, "ClassBody");\n      return this.finishNode(node, type);\n    } else {\n      this.unexpected(null, "A class name is required");\n    }\n  } else {\n    this.parseClassId(node, isStatement, optionalId);\n  }\n\n  this.parseClassSuper(node);\n  node.body\n= this.parsePlaceholder("ClassBody") || this.parseClassBody(!node.superClass, oldStrict);\n  return\nthis.finishNode(node, type);\n}\n\nparseExport(node) {\n  const placeholder =\nthis.parsePlaceholder("Identifier");\n  if (!placeholder) return super.parseExport(...arguments);\n\n  if\n(!this.isContextual("from") && !this.match(types.comma)) {\n    node.specifiers = [];\n    node.source = null;\n    node.declaration = this.finishPlaceholder(placeholder, "Declaration");\n    return this.finishNode(node,\n"ExportNamedDeclaration");\n  }\n\n  this.expectPlugin("exportDefaultFrom");\n  const specifier =\nthis.startNode();\n  specifier.exported = placeholder;\n  node.specifiers = [this.finishNode(specifier,\n"ExportDefaultSpecifier")];\n  return super.parseExport(node);\n}\n\nisExportDefaultSpecifier() {\n  if\n(this.match(types._default)) {\n    const next = this.nextTokenStart();\n\n    if (this.isUnparsedContextual(next,\n"from")) {\n      if (this.input.startsWith(types.placeholder.label, this.nextTokenStartSince(next + 4))) {\n        return true;\n      }\n    }\n\n    return super.isExportDefaultSpecifier();\n  }\n\n  maybeParseExportDefaultSpecifier(node) {\n    if (node.specifiers && node.specifiers.length > 0) {\n      return\ntrue;\n    }\n\n    return super.maybeParseExportDefaultSpecifier(...arguments);\n  }\n\n  checkExport(node) {\n    const {\n  specifiers\n} = node;\n\n    if (specifiers === null ? void 0 : specifiers.length) {\n      node.specifiers =\nspecifiers.filter(node => node.exported.type === "Placeholder");\n    }\n\n    super.checkExport(node);\n    node.specifiers = specifiers;\n  }\n\n  parseImport(node) {\n    const placeholder =\nthis.parsePlaceholder("Identifier");\n    if (!placeholder) return super.parseImport(...arguments);\n\n    node.specifiers\n= [];\n\n    if (!this.isContextual("from") && !this.match(types.comma)) {\n      node.source =

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this.finishPlaceholder(placeholder, \"StringLiteral\");\n  this.semicolon();\n  return this.finishNode(node,\n  \"ImportDeclaration\");\n}\n\nconst specifier = this.startNodeAtNode(placeholder);\n  specifier.local =\n  placeholder;\n  this.finishNode(specifier, \"ImportDefaultSpecifier\");\n  node.specifiers.push(specifier);\n\nif\n  (this.eat(types.comma)) {\n  const hasStarImport = this.maybeParseStarImportSpecifier(node);\n  if\n    (!hasStarImport) this.parseNamedImportSpecifiers(node);\n  }\n\n  this.expectContextual(\"from\");\n  node.source = this.parseImportSource();\n  this.semicolon();\n  return this.finishNode(node,\n  \"ImportDeclaration\");\n}\n\nparseImportSource() {\n  return this.parsePlaceholder(\"StringLiteral\") ||\n  super.parseImportSource(...arguments);\n}\n\nv8intrinsic = (superClass => class extends superClass {\n  parseV8Intrinsic() {\n    if (this.match(types.modulo)) {\n      const v8IntrinsicStart = this.state.start;\n      const node\n      = this.startNode();\n      this.eat(types.modulo);\n\n      if (this.match(types.name)) {\n        const name =\n        this.parseIdentifierName(this.state.start);\n        const identifier = this.createIdentifier(node, name);\n        identifier.type = \"V8IntrinsicIdentifier\";\n\n        if (this.match(types.parenL)) {\n          return identifier;\n        }\n\n        this.unexpected(v8IntrinsicStart);\n      }\n    }\n\n    parseExprAtom() {\n      return this.parseV8Intrinsic() ||\n      super.parseExprAtom(...arguments);\n    }\n  }\n\n  function hasPlugin(plugings, name) {\n    return\n    plugings.some(plugin => {\n      if (Array.isArray(plugin)) {\n        return plugin[0] === name;\n      } else {\n        return\n        plugin === name;\n      }\n    });\n  }\n\n  function getPluginOption(plugings, name, option) {\n    const plugin =\n    plugings.find(plugin => {\n      if (Array.isArray(plugin)) {\n        return plugin[0] === name;\n      } else {\n        return\n        plugin === name;\n      }\n    });\n\n    if (plugin && Array.isArray(plugin)) {\n      return plugin[1][option];\n    }\n\n    return null;\n  }\n\n  const PIPELINE_PROPOSALS = [\"minimal\", \"smart\", \"fsharp\"];\n  const\n  RECORD_AND_TUPLE_SYNTAX_TYPES = [\"hash\", \"bar\"];\n\n  function validatePlugins(plugings) {\n    if\n    (hasPlugin(plugings, \"decorators\")) {\n      if (hasPlugin(plugings, \"decorators-legacy\")) {\n        throw new\n        Error(\"Cannot use the decorators and decorators-legacy plugin together\");\n      }\n\n      const\n      decoratorsBeforeExport = getPluginOption(plugings, \"decorators\", \"decoratorsBeforeExport\");\n\n      if\n      (decoratorsBeforeExport == null) {\n        throw new Error(\"The 'decorators' plugin requires a\n        'decoratorsBeforeExport' option,\" + \" whose value must be a boolean. If you are migrating from\" + \"\n        Babylon/Babel 6 or want to use the old decorators proposal, you\" + \" should use the 'decorators-legacy' plugin\n        instead of 'decorators'.\");\n      } else if (typeof decoratorsBeforeExport !== \"boolean\") {\n        throw new\n        Error(\"'decoratorsBeforeExport' must be a boolean.\");\n      }\n\n      if (hasPlugin(plugings, \"flow\") &&\n      hasPlugin(plugings, \"typescript\")) {\n        throw new Error(\"Cannot combine flow and typescript plugins.\");\n      }\n\n      if (hasPlugin(plugings, \"placeholders\") && hasPlugin(plugings, \"v8intrinsic\")) {\n        throw new Error(\"Cannot\n        combine placeholders and v8intrinsic plugins.\");\n      }\n\n      if (hasPlugin(plugings, \"pipelineOperator\") &&\n      !PIPELINE_PROPOSALS.includes(getPluginOption(plugings, \"pipelineOperator\", \"proposal\"))) {\n        throw new\n        Error(\"'pipelineOperator' requires 'proposal' option whose value should be one of: \" +\n        PIPELINE_PROPOSALS.map(p => ` ${p}`).join(\", \"));\n      }\n\n      if (hasPlugin(plugings, \"moduleAttributes\")) {\n        if (hasPlugin(plugings, \"importAssertions\")) {\n          throw new Error(\"Cannot combine importAssertions and\n          moduleAttributes plugins.\");\n        }\n\n        const moduleAttributesVersionPluginOption = getPluginOption(plugings,\n        \"moduleAttributes\", \"version\");\n\n        if (moduleAttributesVersionPluginOption !== \"may-2020\") {\n          throw\n          new Error(\"The 'moduleAttributes' plugin requires a 'version' option,\" + \" representing the last proposal update.\n          Currently, the\" + \" only supported value is 'may-2020'.\");\n        }\n      }\n\n      if (hasPlugin(plugings,\n      \"recordAndTuple\") && !RECORD_AND_TUPLE_SYNTAX_TYPES.includes(getPluginOption(plugings,\n      \"recordAndTuple\", \"syntaxType\"))) {\n        throw new Error(\"'recordAndTuple' requires 'syntaxType' option\n        whose value should be one of: \" + RECORD_AND_TUPLE_SYNTAX_TYPES.map(p => ` ${p}`).join(\", \"));\n      }\n    }\n\n    const mixinPlugins = {\n      estree,\n      jsx,\n      flow,\n      typescript,\n      v8intrinsic,\n      placeholders\n    };\n    const\n    mixinPluginNames = Object.keys(mixinPlugins);\n    const defaultOptions = {\n      sourceType: \"script\", \n      sourceFilename: undefined, \n      startLine: 1, \n      allowAwaitOutsideFunction: false, \n      allowReturnOutsideFunction:\n      false, \n      allowImportExportEverywhere: false, \n      allowSuperOutsideMethod: false, \n      allowUndeclaredExports:\n      false, \n      plugins: [], \n      strictMode: null, \n      ranges: false, \n      tokens: false, \n      createParenthesizedExpressions: false, \n      errorRecovery: false\n    };\n\n    function getOptions(opts) {\n      const options = {};\n\n      for (let _i = 0, _Object$keys =

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Object.keys(defaultOptions); _i < _Object$keys.length; _i++) {\n  const key = _Object$keys[_i];\n  options[key]
= opts && opts[key] != null ? opts[key] : defaultOptions[key];\n } \n\n return options;\n}\n\n\nclass State {\n
constructor() {\n  this.strict = void 0;\n  this.curLine = void 0;\n  this.startLoc = void 0;\n  this.endLoc = void
0;\n  this.errors = [];\n  this.potentialArrowAt = -1;\n  this.noArrowAt = [];\n
this.noArrowParamsConversionAt = [];\n  this.maybeInArrowParameters = false;\n  this.inPipeline = false;\n
this.inType = false;\n  this.noAnonFunctionType = false;\n  this.inPropertyName = false;\n
this.hasFlowComment = false;\n  this.isIterator = false;\n  this.isDeclareContext = false;\n  this.topicContext =
{\n  maxNumOfResolvableTopics: 0,\n  maxTopicIndex: null\n };\n  this.soloAwait = false;\n
this.inFSharpPipelineDirectBody = false;\n  this.labels = [];\n  this.decoratorStack = [[]];\n  this.comments =
[];\n  this.trailingComments = [];\n  this.leadingComments = [];\n  this.commentStack = [];\n
this.commentPreviousNode = null;\n  this.pos = 0;\n  this.lineStart = 0;\n  this.type = types.eof;\n  this.value =
null;\n  this.start = 0;\n  this.end = 0;\n  this.lastTokEndLoc = null;\n  this.lastTokStartLoc = null;\n
this.lastTokStart = 0;\n  this.lastTokEnd = 0;\n  this.context = [types$1.braceStatement];\n  this.exprAllowed =
true;\n  this.containsEsc = false;\n  this.octalPositions = [];\n  this.exportedIdentifiers = [];\n  this.tokensLength
= 0;\n } \n\n init(options) {\n  this.strict = options.strictMode === false ? false : options.sourceType ===
"module";\n  this.curLine = options.startLine;\n  this.startLoc = this.endLoc = this.curPosition();\n } \n\n
curPosition() {\n  return new Position(this.curLine, this.pos - this.lineStart);\n } \n\n clone(skipArrays) {\n  const
state = new State();\n  const keys = Object.keys(this);\n  for (let i = 0, length = keys.length; i < length; i++) {\n
  const key = keys[i];\n  let val = this[key];\n  if (!skipArrays && Array.isArray(val)) {\n    val =
val.slice();\n  } \n\n  state[key] = val;\n } \n\n  return state;\n } \n\n } \n\n\nvar _isDigit = function isDigit(code)
{\n  return code >= 48 && code <= 57;\n};\n\nconst VALID_REGEX_FLAGS = new Set(["g", "m", "s", "i",
"y", "u"]); \n\nconst forbiddenNumericSeparatorSiblings = {\n  decBinOct: [46, 66, 69, 79, 95, 98, 101, 111],\n
hex: [46, 88, 95, 120]\n}; \n\nconst allowedNumericSeparatorSiblings = {};\n\nallowedNumericSeparatorSiblings.bin =
[48, 49]; \n\nallowedNumericSeparatorSiblings.oct = [...allowedNumericSeparatorSiblings.bin, 50, 51, 52, 53, 54,
55]; \n\nallowedNumericSeparatorSiblings.dec = [...allowedNumericSeparatorSiblings.oct, 56,
57]; \n\nallowedNumericSeparatorSiblings.hex = [...allowedNumericSeparatorSiblings.dec, 65, 66, 67, 68, 69, 70, 97,
98, 99, 100, 101, 102]; \n\n\nclass Token {\n  constructor(state) {\n    this.type = state.type;\n    this.value = state.value;\n
    this.start = state.start;\n    this.end = state.end;\n    this.loc = new SourceLocation(state.startLoc, state.endLoc);\n
  } \n\n } \n\n\nclass Tokenizer extends ParserError {\n  constructor(options, input) {\n    super();\n    this.isLookahead =
void 0;\n    this.tokens = [];\n    this.state = new State();\n    this.state.init(options);\n    this.input = input;\n
this.length = input.length;\n    this.isLookahead = false;\n  } \n\n  pushToken(token) {\n    this.tokens.length =
this.state.tokensLength;\n    this.tokens.push(token);\n    ++this.state.tokensLength;\n  } \n\n  next() {\n    if
(!this.isLookahead) {\n      this.checkKeywordEscapes();\n      if (this.options.tokens) {\n        this.pushToken(new
Token(this.state));\n      } \n\n    } \n\n    this.state.lastTokEnd = this.state.end;\n    this.state.lastTokStart =
this.state.start;\n    this.state.lastTokEndLoc = this.state.endLoc;\n    this.state.lastTokStartLoc = this.state.startLoc;\n
    this.nextToken();\n  } \n\n  eat(type) {\n    if (this.match(type)) {\n      this.next();\n      return true;\n    } else {\n
return false;\n    } \n\n  } \n\n  match(type) {\n    return this.state.type === type;\n  } \n\n  lookahead() {\n    const old =
this.state;\n    this.state = old.clone(true);\n    this.isLookahead = true;\n    this.next();\n    this.isLookahead = false;\n
    const curr = this.state;\n    this.state = old;\n    return curr;\n  } \n\n  nextTokenStart() {\n    return
this.nextTokenStartSince(this.state.pos);\n  } \n\n  nextTokenStartSince(pos) {\n    skipWhiteSpace.lastIndex =
pos;\n    const skip = skipWhiteSpace.exec(this.input);\n    return pos + skip[0].length;\n  } \n\n  lookaheadCharCode() {\n
return this.input.charCodeAtAt(this.nextTokenStart());\n  } \n\n  setStrict(strict) {\n    this.state.strict = strict;\n    if
(!this.match(types.num) && !this.match(types.string)) return;\n    this.state.pos =
this.state.start;\n    while (this.state.pos < this.state.lineStart) {\n      this.state.lineStart =
this.input.lastIndexOf("\n", this.state.lineStart - 2) + 1;\n      --this.state.curLine;\n    } \n\n    this.nextToken();\n
  } \n\n  curContext() {\n    return this.state.context[this.state.context.length - 1];\n  } \n\n  nextToken() {\n    const
curContext = this.curContext();\n    if (!(curContext === null ? void 0 : curContext.preserveSpace))\n      this.skipSpace();\n    this.state.octalPositions = [];\n    this.state.start = this.state.pos;\n    this.state.startLoc =

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this.state.curPosition();\n\n if (this.state.pos >= this.length) {\n  this.finishToken(types.eof);\n  return;\n }\n\n const override = curContext == null ? void 0 : curContext.override;\n\n if (override) {\n  override(this);\n } else {\n  this.getTokenFromCode(this.input.codePointAt(this.state.pos));\n }\n\n\n pushComment(block, text, start, end, startLoc, endLoc) {\n  const comment = {\n   type: block ?\n   \"CommentBlock\" : \"CommentLine\",\n   value: text,\n   start: start,\n   end: end,\n   loc: new\n   SourceLocation(startLoc, endLoc)\n  };\n  if (this.options.tokens) this.pushToken(comment);\n\n  this.state.comments.push(comment);\n  this.addComment(comment);\n }\n\n\n skipBlockComment() {\n  const\n  startLoc = this.state.curPosition();\n  const start = this.state.pos;\n  const end = this.input.indexOf(\"*\",\n  this.state.pos + 2);\n  if (end === -1) throw this.raise(start, ErrorMessages.UnterminatedComment);\n  this.state.pos = end + 2;\n  lineBreakG.lastIndex = start;\n  let match;\n\n  while ((match =\n  lineBreakG.exec(this.input)) && match.index < this.state.pos) {\n   ++this.state.curLine;\n   this.state.lineStart =\n  match.index + match[0].length;\n }\n\n\n if (this.isLookahead) return;\n  this.pushComment(true,\n  this.input.slice(start + 2, end), start, this.state.pos, startLoc, this.state.curPosition());\n }\n\n\n skipLineComment(startSkip) {\n  const start = this.state.pos;\n  const startLoc = this.state.curPosition();\n  let ch\n  = this.input.charCodeAt(this.state.pos += startSkip);\n\n  if (this.state.pos < this.length) {\n   while\n  (!isNewLine(ch) && ++this.state.pos < this.length) {\n    ch = this.input.charCodeAt(this.state.pos);\n   }\n\n\n  if (this.isLookahead) return;\n   this.pushComment(false, this.input.slice(start + startSkip, this.state.pos),\n  start, this.state.pos, startLoc, this.state.curPosition());\n }\n\n\n skipSpace() {\n  loop: while (this.state.pos <\n  this.length) {\n   const ch = this.input.charCodeAt(this.state.pos);\n\n   switch (ch) {\n    case 32:\n     case\n  160:\n     case 9:\n      ++this.state.pos;\n      break;\n\n     case 13:\n      if\n  (this.input.charCodeAt(this.state.pos + 1) === 10) {\n       ++this.state.pos;\n      }\n\n     case 10:\n     case\n  8232:\n     case 8233:\n      ++this.state.pos;\n      ++this.state.curLine;\n      this.state.lineStart =\n  this.state.pos;\n      break;\n\n     case 47:\n      switch (this.input.charCodeAt(this.state.pos + 1)) {\n       case 42:\n        this.skipBlockComment();\n        break;\n\n       case 47:\n        this.skipLineComment(2);\n        break;\n\n       default:\n        break loop;\n      }\n      break;\n\n     default:\n      if (isWhitespace(ch)) {\n       ++this.state.pos;\n      } else {\n       break loop;\n      }\n    }\n  }\n }\n\n\n finishToken(type, val) {\n  this.state.end = this.state.pos;\n  this.state.endLoc =\n  this.state.curPosition();\n  const prevType = this.state.type;\n  this.state.type = type;\n  this.state.value = val;\n\n  if (!this.isLookahead) this.updateContext(prevType);\n }\n\n\n readToken_numberSign() {\n  if (this.state.pos ===\n  0 && this.readToken_interpreter()) {\n   return;\n }\n\n\n  const nextPos = this.state.pos + 1;\n  const next =\n  this.input.charCodeAt(nextPos);\n\n  if (next >= 48 && next <= 57) {\n   throw this.raise(this.state.pos,\n  ErrorMessages.UnexpectedDigitAfterHash);\n }\n\n\n  if (next === 123 || next === 91 &&\n  this.hasPlugin(\"recordAndTuple\")) {\n   this.expectPlugin(\"recordAndTuple\");\n\n   if\n  (this.getPluginOption(\"recordAndTuple\", \"syntaxType\") !== \"hash\") {\n    throw this.raise(this.state.pos, next\n  === 123 ? ErrorMessages.RecordExpressionHashIncorrectStartSyntaxType :\n  ErrorMessages.TupleExpressionHashIncorrectStartSyntaxType);\n   }\n\n\n   if (next === 123) {\n    this.finishToken(types.braceHashL);\n   } else {\n    this.finishToken(types.bracketHashL);\n   }\n\n\n   this.state.pos += 2;\n  } else {\n   this.finishOp(types.hash, 1);\n }\n }\n\n\n readToken_dot() {\n  const next =\n  this.input.charCodeAt(this.state.pos + 1);\n\n  if (next >= 48 && next <= 57) {\n   this.readNumber(true);\n   return;\n }\n\n\n  if (next === 46 && this.input.charCodeAt(this.state.pos + 2) === 46) {\n   this.state.pos += 3;\n\n   this.finishToken(types.ellipsis);\n  } else {\n   ++this.state.pos;\n   this.finishToken(types.dot);\n }\n }\n\n\n readToken_slash() {\n  if (this.state.exprAllowed && !this.state.inType) {\n   ++this.state.pos;\n\n   this.readRegexp();\n   return;\n }\n\n\n  const next = this.input.charCodeAt(this.state.pos + 1);\n\n  if (next ===\n  61) {\n   this.finishOp(types.assign, 2);\n  } else {\n   this.finishOp(types.slash, 1);\n }\n }\n }\n\n\n readToken_interpreter() {\n  if (this.state.pos !== 0 || this.length < 2) return false;\n  let ch =\n  this.input.charCodeAt(this.state.pos + 1);\n\n  if (ch !== 33) return false;\n  const start = this.state.pos;\n  this.state.pos += 1;\n\n  while (!isNewLine(ch) && ++this.state.pos < this.length) {\n   ch =\n  this.input.charCodeAt(this.state.pos);\n }\n\n\n  const value = this.input.slice(start + 2, this.state.pos);\n}

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this.finishToken(types.interpreterDirective, value);\n return true;\n }\n\n readToken_mult_modulo(code) {\n let
type = code === 42 ? types.star : types.modulo;\n let width = 1;\n let next = this.input.charCodeAt(this.state.pos
+ 1);\n const exprAllowed = this.state.exprAllowed;\n\n if (code === 42 && next === 42) {\n width++;\n
next = this.input.charCodeAt(this.state.pos + 2);\n type = types.exponent;\n }\n\n if (next === 61 &&
!exprAllowed) {\n width++;\n type = types.assign;\n }\n\n this.finishOp(type, width);\n }\n\n
readToken_pipe_amp(code) {\n const next = this.input.charCodeAt(this.state.pos + 1);\n\n if (next === code)
{\n if (this.input.charCodeAt(this.state.pos + 2) === 61) {\n this.finishOp(types.assign, 3);\n } else {\n
this.finishOp(code === 124 ? types.logicalOR : types.logicalAND, 2);\n }\n\n return;\n }\n\n if (code ===
124) {\n if (next === 62) {\n this.finishOp(types.pipeline, 2);\n return;\n }\n\n if
(this.hasPlugin("recordAndTuple") && next === 125) {\n if (this.getPluginOption("recordAndTuple",
"syntaxType") !== "bar") {\n throw this.raise(this.state.pos,
ErrorMessages.RecordExpressionBarIncorrectEndSyntaxType);\n }\n\n this.finishOp(types.braceBarR,
2);\n return;\n }\n\n if (this.hasPlugin("recordAndTuple") && next === 93) {\n if
(this.getPluginOption("recordAndTuple", "syntaxType") !== "bar") {\n throw this.raise(this.state.pos,
ErrorMessages.TupleExpressionBarIncorrectEndSyntaxType);\n }\n\n this.finishOp(types.bracketBarR,
2);\n return;\n }\n }\n\n if (next === 61) {\n this.finishOp(types.assign, 2);\n return;\n }\n\n
this.finishOp(code === 124 ? types.bitwiseOR : types.bitwiseAND, 1);\n }\n\n readToken_caret() {\n const next
= this.input.charCodeAt(this.state.pos + 1);\n\n if (next === 61) {\n this.finishOp(types.assign, 2);\n } else
{\n this.finishOp(types.bitwiseXOR, 1);\n }\n }\n\n readToken_plus_min(code) {\n const next =
this.input.charCodeAt(this.state.pos + 1);\n\n if (next === code) {\n if (next === 45 && !this.inModule &&
this.input.charCodeAt(this.state.pos + 2) === 62 && (this.state.lastTokEnd === 0 || this.hasPrecedingLineBreak()))
{\n this.skipLineComment(3);\n this.skipSpace();\n this.nextToken();\n return;\n }\n\n
this.finishOp(types.incDec, 2);\n return;\n }\n\n if (next === 61) {\n this.finishOp(types.assign, 2);\n }
else {\n this.finishOp(types.plusMin, 1);\n }\n }\n\n readToken_lt_gt(code) {\n const next =
this.input.charCodeAt(this.state.pos + 1);\n let size = 1;\n\n if (next === code) {\n size = code === 62 &&
this.input.charCodeAt(this.state.pos + 2) === 62 ? 3 : 2;\n\n if (this.input.charCodeAt(this.state.pos + size) ===
61) {\n this.finishOp(types.assign, size + 1);\n return;\n }\n\n this.finishOp(types.bitShift, size);\n
return;\n }\n\n if (next === 33 && code === 60 && !this.inModule && this.input.charCodeAt(this.state.pos +
2) === 45 && this.input.charCodeAt(this.state.pos + 3) === 45) {\n this.skipLineComment(4);\n
this.skipSpace();\n this.nextToken();\n return;\n }\n\n if (next === 61) {\n size = 2;\n }\n\n
this.finishOp(types.relational, size);\n }\n\n readToken_eq_excl(code) {\n const next =
this.input.charCodeAt(this.state.pos + 1);\n\n if (next === 61) {\n this.finishOp(types.equality,
this.input.charCodeAt(this.state.pos + 2) === 61 ? 3 : 2);\n return;\n }\n\n if (code === 61 && next === 62)
{\n this.state.pos += 2;\n this.finishToken(types.arrow);\n return;\n }\n\n this.finishOp(code === 61 ?
types.eq : types.bang, 1);\n }\n\n readToken_question() {\n const next = this.input.charCodeAt(this.state.pos +
1);\n const next2 = this.input.charCodeAt(this.state.pos + 2);\n\n if (next === 63) {\n if (next2 === 61) {\n
this.finishOp(types.assign, 3);\n } else {\n this.finishOp(types.nullishCoalescing, 2);\n }\n } else if
(next === 46 && !(next2 >= 48 && next2 <= 57)) {\n this.state.pos += 2;\n
this.finishToken(types.questionDot);\n } else {\n ++this.state.pos;\n this.finishToken(types.question);\n
}\n }\n\n getTokenFromCode(code) {\n switch (code) {\n case 46:\n this.readToken_dot();\n
return;\n case 40:\n ++this.state.pos;\n this.finishToken(types.parenL);\n return;\n case 41:\n
++this.state.pos;\n this.finishToken(types.parenR);\n return;\n case 59:\n ++this.state.pos;\n
this.finishToken(types.semi);\n return;\n case 44:\n ++this.state.pos;\n
this.finishToken(types.comma);\n return;\n case 91:\n if (this.hasPlugin("recordAndTuple") &&
this.input.charCodeAt(this.state.pos + 1) === 124) {\n if (this.getPluginOption("recordAndTuple",
"syntaxType") !== "bar") {\n throw this.raise(this.state.pos,
ErrorMessages.TupleExpressionBarIncorrectStartSyntaxType);\n }\n\n
this.finishToken(types.bracketBarL);\n this.state.pos += 2;\n } else {\n ++this.state.pos;\n

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this.finishToken(types.bracketL);\n    }\n\n    return;\n\n    case 93:\n        ++this.state.pos;\nthis.finishToken(types.bracketR);\n    return;\n\n    case 123:\n        if (this.hasPlugin(\"recordAndTuple\") &&\nthis.input.charCodeAt(this.state.pos + 1) === 124) {\n            if (this.getPluginOption(\"recordAndTuple\",\n\"syntaxType\") !== \"bar\") {\n                throw this.raise(this.state.pos,\nErrorMessages.RecordExpressionBarIncorrectStartSyntaxType);\n            }\n\nthis.finishToken(types.braceBarL);\n            this.state.pos += 2;\n        } else {\n            ++this.state.pos;\nthis.finishToken(types.braceL);\n        }\n\n        return;\n\n        case 125:\n            ++this.state.pos;\nthis.finishToken(types.braceR);\n        return;\n\n        case 58:\n            if (this.hasPlugin(\"functionBind\") &&\nthis.input.charCodeAt(this.state.pos + 1) === 58) {\n                this.finishOp(types.doubleColon, 2);\n            } else {\n                ++this.state.pos;\n                this.finishToken(types.colon);\n            }\n\n            return;\n\n            case 63:\nthis.readToken_question();\n            return;\n\n            case 96:\n                ++this.state.pos;\nthis.finishToken(types.backQuote);\n            return;\n\n            case 48:\n                {\n                    const next =\nthis.input.charCodeAt(this.state.pos + 1);\n\n                    if (next === 120 || next === 88) {\nthis.readRadixNumber(16);\n                        return;\n                    }\n\n                    if (next === 111 || next === 79) {\nthis.readRadixNumber(8);\n                        return;\n                    }\n\n                    if (next === 98 || next === 66) {\nthis.readRadixNumber(2);\n                        return;\n                    }\n                }\n\n                case 49:\n                case 50:\n                case 51:\n                case\n52:\n                case 53:\n                case 54:\n                case 55:\n                case 56:\n                case 57:\n                this.readNumber(false);\n                return;\n\n                case 34:\n                case 39:\n                this.readString(code);\n                return;\n\n                case 47:\nthis.readToken_slash();\n                return;\n\n                case 37:\n                case 42:\n                this.readToken_mult_modulo(code);\n                return;\n\n                case 124:\n                case 38:\n                this.readToken_pipe_amp(code);\n                return;\n\n                case 94:\nthis.readToken_caret();\n                return;\n\n                case 43:\n                case 45:\n                this.readToken_plus_min(code);\n                return;\n\n                case 60:\n                case 62:\n                this.readToken_lt_gt(code);\n                return;\n\n                case 61:\n                case 33:\n                this.readToken_eq_excl(code);\n                return;\n\n                case 126:\n                this.finishOp(types.tilde, 1);\n                return;\n\n                case 64:\n                ++this.state.pos;\n                this.finishToken(types.at);\n                return;\n\n                case 35:\nthis.readToken_numberSign();\n                return;\n\n                case 92:\n                this.readWord();\n                return;\n\n                default:\n                if (isIdentifierStart(code)) {\n                    this.readWord();\n                    return;\n                }\n\n                throw\nthis.raise(this.state.pos, ErrorMessages.InvalidOrUnexpectedToken, String.fromCodePoint(code));\n            }\n\n        finishOp(type, size) {\n            const str = this.input.slice(this.state.pos, this.state.pos + size);\n            this.state.pos += size;\n            this.finishToken(type, str);\n        }\n\n        readRegexp() {\n            const start = this.state.pos;\n            let escaped, inClass;\n\n            for\n(;;) {\n                if (this.state.pos >= this.length) {\n                    throw this.raise(start, ErrorMessages.UnterminatedRegExp);\n                }\n\n                const ch = this.input.charAt(this.state.pos);\n\n                if (lineBreak.test(ch)) {\n                    throw this.raise(start,\nErrorMessages.UnterminatedRegExp);\n                }\n\n                if (escaped) {\n                    escaped = false;\n                } else {\n                    if (ch\n=== \"[\") {\n                        inClass = true;\n                    } else if (ch === \"]\" && inClass) {\n                        inClass = false;\n                    } else if\n(ch === \"^\" && !inClass) {\n                        break;\n                    }\n\n                    escaped = ch === \"\\\\\\\\\\\\\\\\\";\n                }\n\n                ++this.state.pos;\n            }\n\n            const content = this.input.slice(start, this.state.pos);\n            ++this.state.pos;\n            let mods =\n\"\";\n\n            while (this.state.pos < this.length) {\n                const char = this.input[this.state.pos];\n                const charCode =\nthis.input.codePointAt(this.state.pos);\n\n                if (VALID_REGEX_FLAGS.has(char)) {\n                    if\n(mods.indexOf(char) > -1) {\n                        this.raise(this.state.pos + 1, ErrorMessages.DuplicateRegExpFlags);\n                    }\n                } else if (isIdentifierChar(charCode) || charCode === 92) {\n                    this.raise(this.state.pos + 1,\nErrorMessages.MalformedRegExpFlags);\n                } else {\n                    break;\n                }\n\n                ++this.state.pos;\n                mods +=\nchar;\n            }\n\n            this.finishToken(types.regexp, {\n                pattern: content,\n                flags: mods\n            });\n        }\n\n        readInt(radix, len, forceLen, allowNumSeparator = true) {\n            const start = this.state.pos;\n            const\nforbiddenSiblings = radix === 16 ? forbiddenNumericSeparatorSiblings.hex :\nforbiddenNumericSeparatorSiblings.decBinOct;\n            const allowedSiblings = radix === 16 ?\nallowedNumericSeparatorSiblings.hex : radix === 10 ?\nallowedNumericSeparatorSiblings.dec : radix === 8 ?\nallowedNumericSeparatorSiblings.oct : allowedNumericSeparatorSiblings.bin;\n            let invalid = false;\n            let total =\n0;\n\n            for (let i = 0, e = len == null ? Infinity : len; i < e; ++i) {\n                const code =\nthis.input.charCodeAt(this.state.pos);\n                let val;\n\n                if (code === 95) {\n                    const prev =

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this.input.charCodeAt(this.state.pos - 1);\n    const next = this.input.charCodeAt(this.state.pos + 1);\n    if
(allowedSiblings.indexOf(next) === -1) {\n        this.raise(this.state.pos,
ErrorMessages.UnexpectedNumericSeparator);\n    } else if (forbiddenSiblings.indexOf(prev) > -1 ||
forbiddenSiblings.indexOf(next) > -1 || Number.isNaN(next)) {\n        this.raise(this.state.pos,
ErrorMessages.UnexpectedNumericSeparator);\n    }\n    if (!allowNumSeparator) {\n
this.raise(this.state.pos, ErrorMessages.NumericSeparatorInEscapeSequence);\n    }\n    ++this.state.pos;\n
continue;\n    }\n    if (code >= 97) {\n        val = code - 97 + 10;\n    } else if (code >= 65) {\n        val = code
- 65 + 10;\n    } else if (_isDigit(code)) {\n        val = code - 48;\n    } else {\n        val = Infinity;\n    }\n    if
(val >= radix) {\n        if (this.options.errorRecovery && val <= 9) {\n            val = 0;\n            this.raise(this.state.start
+ i + 2, ErrorMessages.InvalidDigit, radix);\n        } else if (forceLen) {\n            val = 0;\n            invalid = true;\n
        } else {\n            break;\n        }\n    }\n    ++this.state.pos;\n    total = total * radix + val;\n    }\n    if
(this.state.pos === start || len != null && this.state.pos - start !== len || invalid) {\n        return null;\n    }\n    return
total;\n    }\n    readRadixNumber(radix) {\n        const start = this.state.pos;\n        let isBigInt = false;\n        this.state.pos
+= 2;\n        const val = this.readInt(radix);\n        if (val == null) {\n            this.raise(this.state.start + 2,
ErrorMessages.InvalidDigit, radix);\n        }\n        const next = this.input.charCodeAt(this.state.pos);\n        if (next ===
110) {\n            ++this.state.pos;\n            isBigInt = true;\n        } else if (next === 109) {\n            throw this.raise(start,
ErrorMessages.InvalidDecimal);\n        }\n        if (isIdentifierStart(this.input.codePointAt(this.state.pos))) {\n            throw
this.raise(this.state.pos, ErrorMessages.NumberIdentifier);\n        }\n        if (isBigInt) {\n            const str =
this.input.slice(start, this.state.pos).replace(/[_n]/g, "\\");\n            this.finishToken(types.bigint, str);\n            return;\n
        }\n        this.finishToken(types.num, val);\n    }\n    readNumber(startsWithDot) {\n        const start = this.state.pos;\n
let isFloat = false;\n        let isBigInt = false;\n        let isDecimal = false;\n        let hasExponent = false;\n        let isOctal =
false;\n        if (!startsWithDot && this.readInt(10) === null) {\n            this.raise(start,
ErrorMessages.InvalidNumber);\n        }\n        const hasLeadingZero = this.state.pos - start >= 2 &&
this.input.charCodeAt(start) === 48;\n        if (hasLeadingZero) {\n            const integer = this.input.slice(start,
this.state.pos);\n            if (this.state.strict) {\n                this.raise(start, ErrorMessages.StrictOctalLiteral);\n            } else {\n
                const underscorePos = integer.indexOf("_");\n                if (underscorePos > 0) {\n                    this.raise(underscorePos +
start, ErrorMessages.ZeroDigitNumericSeparator);\n                }\n            }\n            isOctal = hasLeadingZero &&
!/[89]/.test(integer);\n        }\n        let next = this.input.charCodeAt(this.state.pos);\n        if (next === 46 && !isOctal)
{\n            ++this.state.pos;\n            this.readInt(10);\n            isFloat = true;\n            next = this.input.charCodeAt(this.state.pos);\n
        }\n        if ((next === 69 || next === 101) && !isOctal) {\n            next = this.input.charCodeAt(++this.state.pos);\n        }\n
if (next === 43 || next === 45) {\n            ++this.state.pos;\n        }\n        if (this.readInt(10) === null) {\n
            this.raise(start, ErrorMessages.InvalidOrMissingExponent);\n        }\n        isFloat = true;\n        hasExponent = true;\n
        next = this.input.charCodeAt(this.state.pos);\n        if (next === 110) {\n            if (isFloat || hasLeadingZero) {\n
                this.raise(start, ErrorMessages.InvalidBigIntLiteral);\n            }\n            ++this.state.pos;\n            isBigInt = true;\n
        }\n        if (next === 109) {\n            this.expectPlugin("decimal", this.state.pos);\n            if (hasExponent ||
hasLeadingZero) {\n                this.raise(start, ErrorMessages.InvalidDecimal);\n            }\n            ++this.state.pos;\n
            isDecimal = true;\n        }\n        if (isIdentifierStart(this.input.codePointAt(this.state.pos))) {\n            throw
this.raise(this.state.pos, ErrorMessages.NumberIdentifier);\n        }\n        const str = this.input.slice(start,
this.state.pos).replace(/[_mn]/g, "\\");\n        if (isBigInt) {\n            this.finishToken(types.bigint, str);\n            return;\n
        }\n        if (isDecimal) {\n            this.finishToken(types.decimal, str);\n            return;\n        }\n        const val = isOctal ?
parseInt(str, 8) : parseFloat(str);\n        this.finishToken(types.num, val);\n    }\n    readCodePoint(throwOnInvalid) {\n
const ch = this.input.charCodeAt(this.state.pos);\n        let code;\n        if (ch === 123) {\n            const codePos =
++this.state.pos;\n            code = this.readHexChar(this.input.indexOf("\\\"", this.state.pos) - this.state.pos, true,
throwOnInvalid);\n            ++this.state.pos;\n            if (code !== null && code > 0x10ffff) {\n                if (throwOnInvalid)
{\n                    this.raise(codePos, ErrorMessages.InvalidCodePoint);\n                } else {\n                    return null;\n                }\n
            }\n        } else {\n            code = this.readHexChar(4, false, throwOnInvalid);\n        }\n        return code;\n    }\n    readString(quote)
{\n        let out = "\\",\n            chunkStart = ++this.state.pos;\n        for (;;) {\n            if (this.state.pos >= this.length) {\n
                throw this.raise(this.state.start, ErrorMessages.UnterminatedString);\n            }\n            const ch =

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this.input.charCodeAt(this.state.pos);\n    if (ch === quote) break;\n\n    if (ch === 92) {\n        out +=
this.input.slice(chunkStart, this.state.pos);\n        out += this.readEscapedChar(false);\n        chunkStart =
this.state.pos;\n    } else if (ch === 8232 || ch === 8233) {\n        ++this.state.pos;\n        ++this.state.curLine;\n        this.state.lineStart = this.state.pos;\n    } else if (isNewLine(ch)) {\n        throw this.raise(this.state.start,
ErrorMessages.UnterminatedString);\n    } else {\n        ++this.state.pos;\n    }\n}\n\nout +=
this.input.slice(chunkStart, this.state.pos++);\n    this.finishToken(types.string, out);\n}\n\nreadTplToken() {\n
let out = \"\",\n    chunkStart = this.state.pos,\n    containsInvalid = false;\n\n    for (;;) {\n        if (this.state.pos
>= this.length) {\n            throw this.raise(this.state.start, ErrorMessages.UnterminatedTemplate);\n        }\n\n        const
ch = this.input.charCodeAt(this.state.pos);\n\n        if (ch === 96 || ch === 36 && this.input.charCodeAt(this.state.pos
+ 1) === 123) {\n            if (this.state.pos === this.state.start && this.match(types.template)) {\n                if (ch === 36)
{\n                    this.state.pos += 2;\n                    this.finishToken(types.dollarBraceL);\n                    return;\n                } else {\n
                    ++this.state.pos;\n                    this.finishToken(types.backQuote);\n                    return;\n                }\n            }\n\n            out +=
this.input.slice(chunkStart, this.state.pos);\n            this.finishToken(types.template, containsInvalid ? null : out);\n            return;\n        }\n\n        if (ch === 92) {\n            out += this.input.slice(chunkStart, this.state.pos);\n            const escaped =
this.readEscapedChar(true);\n\n            if (escaped === null) {\n                containsInvalid = true;\n            } else {\n                out
+= escaped;\n            }\n\n            chunkStart = this.state.pos;\n        } else if (isNewLine(ch)) {\n            out +=
this.input.slice(chunkStart, this.state.pos);\n            ++this.state.pos;\n\n            switch (ch) {\n                case 13:\n                    if
(this.input.charCodeAt(this.state.pos) === 10) {\n                        ++this.state.pos;\n                    }\n\n                    case 10:\n                        out
+= \"\\n\";\n                        break;\n\n                    default:\n                        out += String.fromCharCode(ch);\n                        break;\n                    }\n\n                    ++this.state.curLine;\n                    this.state.lineStart = this.state.pos;\n                    chunkStart = this.state.pos;\n                } else {\n
                    ++this.state.pos;\n                }\n            }\n\n            readEscapedChar(inTemplate) {\n                const throwOnInvalid = !inTemplate;\n                const ch = this.input.charCodeAt(++this.state.pos);\n                ++this.state.pos;\n\n                switch (ch) {\n                    case 110:\n                        return \"\\n\";\n\n                    case 114:\n                        return \"\\r\";\n\n                    case 120:\n                        {\n                            const code =
this.readHexChar(2, false, throwOnInvalid);\n                            return code === null ? null : String.fromCharCode(code);\n                        }\n\n                    case 117:\n                        {\n                            const code = this.readCodePoint(throwOnInvalid);\n                            return code === null ?
null : String.fromCodePoint(code);\n                        }\n\n                    case 116:\n                        return \"\\t\";\n\n                    case 98:\n                        return
\"\\b\";\n\n                    case 118:\n                        return \"\\u000b\";\n\n                    case 102:\n                        return \"\\f\";\n\n                    case 13:\n                            if
(this.input.charCodeAt(this.state.pos) === 10) {\n                                ++this.state.pos;\n                            }\n\n                            case 10:\n                                this.state.lineStart = this.state.pos;\n                                ++this.state.curLine;\n\n                                case 8232:\n                                case 8233:\n                                    return
\"\\n\";\n\n                                case 56:\n                                case 57:\n                                    if (inTemplate) {\n                                        return null;\n                                    } else if (this.state.strict) {\n
                                        this.raise(this.state.pos - 1, ErrorMessages.StrictNumericEscape);\n                                    }\n\n                                    default:\n                                        if (ch >= 48 && ch
<= 55) {\n                                            const codePos = this.state.pos - 1;\n                                            const match = this.input.substr(this.state.pos - 1,
3).match(/^[0-7]+/);\n                                            let octalStr = match[0];\n                                            let octal = parseInt(octalStr, 8);\n\n                                            if (octal > 255)
{\n                                                octalStr = octalStr.slice(0, -1);\n                                                octal = parseInt(octalStr, 8);\n                                            }\n\n                                            this.state.pos +=
octalStr.length - 1;\n                                            const next = this.input.charCodeAt(this.state.pos);\n\n                                            if (octalStr !== \"0\" || next
=== 56 || next === 57) {\n                                                if (inTemplate) {\n                                                    return null;\n                                                } else if (this.state.strict) {\n
                                                    this.raise(codePos, ErrorMessages.StrictNumericEscape);\n                                                }\n                                            } else {\n
                                                this.state.octalPositions.push(codePos);\n                                            }\n\n                                            }\n\n                                            return String.fromCharCode(octal);\n                    }\n\n                    return String.fromCharCode(ch);\n                }\n            }\n\n            readHexChar(len, forceLen, throwOnInvalid) {\n                const
codePos = this.state.pos;\n                const n = this.readInt(16, len, forceLen, false);\n\n                if (n === null) {\n                    if
(throwOnInvalid) {\n                        this.raise(codePos, ErrorMessages.InvalidEscapeSequence);\n                    } else {\n
                        this.state.pos = codePos - 1;\n                    }\n                }\n\n                return n;\n            }\n\n            readWord1() {\n                let word = \"\";\n                this.state.containsEsc = false;\n                const start = this.state.pos;\n                let chunkStart = this.state.pos;\n\n                while
(this.state.pos < this.length) {\n                    const ch = this.input.codePointAt(this.state.pos);\n\n                    if (isIdentifierChar(ch))
{\n                        this.state.pos += ch <= 0xffff ? 1 : 2;\n                    } else if (this.state.isIterator && ch === 64) {\n
                        ++this.state.pos;\n                    } else if (ch === 92) {\n                        this.state.containsEsc = true;\n                        word +=
this.input.slice(chunkStart, this.state.pos);\n                        const escStart = this.state.pos;\n                        const identifierCheck =
this.state.pos === start ? isIdentifierStart : isIdentifierChar;\n\n                        if (this.input.charCodeAt(++this.state.pos) !==

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117) {\n      this.raise(this.state.pos, ErrorMessages.MissingUnicodeEscape);\n      continue;\n    }\n\n  ++this.state.pos;\n  const esc = this.readCodePoint(true);\n  if (esc !== null) {\n    if\n    (!identifierCheck(esc)) {\n      this.raise(escStart, ErrorMessages.EscapedCharNotAnIdentifier);\n    }\n\n    word += String.fromCodePoint(esc);\n    chunkStart = this.state.pos;\n  } else {\n    break;\n  }\n\n  return word + this.input.slice(chunkStart, this.state.pos);\n}\n\nisIterator(word) {\n  return word\n  === '@' @ iterator" || word === '@' @ asyncIterator";\n}\n\nreadWord() {\n  const word = this.readWord1();\n  const type = keywords.get(word) || types.name;\n  if (this.state.isIterator && (!this.isIterator(word) ||\n  !this.state.inType)) {\n    this.raise(this.state.pos, ErrorMessages.InvalidIdentifier, word);\n  }\n\n  this.finishToken(type, word);\n}\n\ncheckKeywordEscapes() {\n  const kw = this.state.type.keyword;\n  if\n  (kw && this.state.containsEsc) {\n    this.raise(this.state.start, ErrorMessages.InvalidEscapedReservedWord,\n  kw);\n  }\n}\n\nbraceIsBlock(prevType) {\n  const parent = this.curContext();\n  if (parent ===\n  types$.functionExpression || parent === types$.functionStatement) {\n    return true;\n  }\n  if (prevType\n  === types.colon && (parent === types$.braceStatement || parent === types$.braceExpression)) {\n    return\n  !parent.isExpr;\n  }\n  if (prevType === types._return || prevType === types.name && this.state.exprAllowed)\n  {\n    return this.hasPrecedingLineBreak();\n  }\n  if (prevType === types._else || prevType === types.semi ||\n  prevType === types.eof || prevType === types.parenR || prevType === types.arrow) {\n    return true;\n  }\n  if (prevType === types.braceL) {\n    return parent === types$.braceStatement;\n  }\n  if (prevType ===\n  types._var || prevType === types._const || prevType === types.name) {\n    return false;\n  }\n  if (prevType\n  === types.relational) {\n    return true;\n  }\n  return !this.state.exprAllowed;\n}\n\nupdateContext(prevType) {\n  const type = this.state.type;\n  let update;\n  if (type.keyword && (prevType\n  === types.dot || prevType === types.questionDot)) {\n    this.state.exprAllowed = false;\n  } else if (update =\n  type.updateContext) {\n    update.call(this, prevType);\n  } else {\n    this.state.exprAllowed =\n  type.beforeExpr;\n  }\n}\n\nUtilParser extends Tokenizer {\n  addExtra(node, key, val) {\n    if (!node)\n    return;\n    const extra = node.extra = node.extra || {};\n    extra[key] = val;\n  }\n\n  isRelational(op) {\n    return\n    this.match(types.relational) && this.state.value === op;\n  }\n\n  expectRelational(op) {\n    if (this.isRelational(op))\n    {\n      this.next();\n    } else {\n      this.unexpected(null, types.relational);\n    }\n  }\n\n  isContextual(name) {\n    return\n    this.match(types.name) && this.state.value === name && !this.state.containsEsc;\n  }\n\n  isUnparsedContextual(nameStart, name) {\n    const nameEnd = nameStart + name.length;\n    return\n    this.input.slice(nameStart, nameEnd) === name && (nameEnd === this.input.length ||\n    !isIdentifierChar(this.input.charCodeAt(nameEnd)));\n  }\n\n  isLookaheadContextual(name) {\n    const next =\n    this.nextTokenStart();\n    return this.isUnparsedContextual(next, name);\n  }\n\n  eatContextual(name) {\n    return\n    this.isContextual(name) && this.eat(types.name);\n  }\n\n  expectContextual(name, message) {\n    if\n    (!this.eatContextual(name)) this.unexpected(null, message);\n  }\n\n  canInsertSemicolon() {\n    return\n    this.match(types.eof) || this.match(types.braceR) || this.hasPrecedingLineBreak();\n  }\n\n  hasPrecedingLineBreak()\n  {\n    return lineBreak.test(this.input.slice(this.state.lastTokEnd, this.state.start));\n  }\n\n  isLineTerminator()\n  {\n    return this.eat(types.semi) || this.canInsertSemicolon();\n  }\n\n  semicolon() {\n    if (!this.isLineTerminator())\n    this.unexpected(null, types.semi);\n  }\n\n  expect(type, pos) {\n    this.eat(type) || this.unexpected(pos, type);\n  }\n\n  assertNoSpace(message = "Unexpected space.") {\n    if (this.state.start > this.state.lastTokEnd) {\n      this.raise(this.state.lastTokEnd, message);\n    }\n  }\n\n  unexpected(pos, messageOrType = "Unexpected token")\n  {\n    if (typeof messageOrType !== "string") {\n      messageOrType = `Unexpected token, expected\n  \"${messageOrType.label}\"`;\n    }\n    throw this.raise(pos != null ? pos : this.state.start, messageOrType);\n  }\n\n  expectPlugin(name, pos) {\n    if (!this.hasPlugin(name)) {\n      throw this.raiseWithData(pos != null ? pos :\n      this.state.start, {\n        missingPlugin: [name],\n      }, `This experimental syntax requires enabling the parser plugin:\n  \"${name}\"`);\n    }\n    return true;\n  }\n\n  expectOnePlugin(names, pos) {\n    if (!names.some(n =>\n    this.hasPlugin(n))) {\n      throw this.raiseWithData(pos != null ? pos : this.state.start, {\n        missingPlugin:\n        names,\n      }, `This experimental syntax requires enabling one of the following parser plugin(s):\n  \"${names.join(",\n  \")}\"`);\n    }\n  }\n\n  tryParse(fn, oldState = this.state.clone()) {\n    const abortSignal = {\n      node: null\n    };\n    try {\n      const node = fn((node = null) => {\n        abortSignal.node = node;\n        throw abortSignal;\n      });\n    }\n  }\n\n}

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if (this.state.errors.length > oldState.errors.length) {\n    const failState = this.state;\n    this.state = oldState;\n    return {\n        node,\n        error: failState.errors[oldState.errors.length],\n        thrown: false,\n        aborted: false,\n        failState\n    };\n }\n\n return {\n    node,\n    error: null,\n    thrown: false,\n    aborted: false,\n    failState: null\n };\n } catch (error) {\n    const failState = this.state;\n    this.state = oldState;\n\n    if (error instanceof SyntaxError) {\n        return {\n            node: null,\n            error,\n            thrown: true,\n            aborted: false,\n            failState\n        };\n    }\n\n    if (error === abortSignal) {\n        return {\n            node: abortSignal.node,\n            error: null,\n            thrown: false,\n            aborted: true,\n            failState\n        };\n    }\n\n    throw error;\n }\n }\n\n checkExpressionErrors(refExpressionErrors, andThrow) {\n    if (!refExpressionErrors) return false;\n    const {\n        shorthandAssign,\n        doubleProto\n    } = refExpressionErrors;\n    if (!andThrow) return shorthandAssign >= 0 || doubleProto >= 0;\n\n    if (shorthandAssign >= 0) {\n        this.unexpected(shorthandAssign);\n    }\n\n    if (doubleProto >= 0) {\n        this.raise(doubleProto, ErrorMessages.DuplicateProto);\n    }\n }\n\n isLiteralPropertyName() {\n    return this.match(types.name) || !!this.state.type.keyword || this.match(types.string) || this.match(types.num) || this.match(types.bigint) || this.match(types.decimal);\n }\n\n}\n\nclass ExpressionErrors {\n    constructor() {\n        this.shorthandAssign = -1;\n        this.doubleProto = -1;\n    }\n}\n\nclass Node {\n    constructor(parser, pos, loc) {\n        this.type = void 0;\n        this.start = void 0;\n        this.end = void 0;\n        this.loc = void 0;\n        this.range = void 0;\n        this.leadingComments = void 0;\n        this.trailingComments = void 0;\n        this.innerComments = void 0;\n        this.extra = void 0;\n        this.type = "\\\"";\n        this.start = pos;\n        this.end = 0;\n        this.loc = new SourceLocation(loc);\n        if (parser == null ? void 0 : parser.options.ranges) this.range = [pos, 0];\n        if (parser == null ? void 0 : parser.filename) this.loc.filename = parser.filename;\n    }\n\n    __clone() {\n        const newNode = new Node();\n        const keys = Object.keys(this);\n        for (let i = 0, length = keys.length; i < length; i++) {\n            const key = keys[i];\n            if (key !== "leadingComments" && key !== "trailingComments" && key !== "innerComments") {\n                newNode[key] = this[key];\n            }\n        }\n        return newNode;\n    }\n}\n\nclass NodeUtils extends UtilParser {\n    startNode() {\n        return new Node(this, this.state.start, this.state.startLoc);\n    }\n\n    startNodeAt(pos, loc) {\n        return new Node(this, pos, loc);\n    }\n\n    startNodeAtNode(type) {\n        return this.startNodeAt(type.start, type.loc.start);\n    }\n\n    finishNode(node, type) {\n        return this.finishNodeAt(node, type, this.state.lastTokEnd, this.state.lastTokEndLoc);\n    }\n\n    finishNodeAt(node, type, pos, loc) {\n        node.type = type;\n        node.end = pos;\n        node.loc.end = loc;\n        if (this.options.ranges) node.range[1] = pos;\n        this.processComment(node);\n        return node;\n    }\n\n    resetStartLocation(node, start, startLoc) {\n        node.start = start;\n        node.loc.start = startLoc;\n        if (this.options.ranges) node.range[0] = start;\n    }\n\n    resetEndLocation(node, end = this.state.lastTokEnd, endLoc = this.state.lastTokEndLoc) {\n        node.end = end;\n        node.loc.end = endLoc;\n        if (this.options.ranges) node.range[1] = end;\n    }\n\n    resetStartLocationFromNode(node, locationNode) {\n        this.resetStartLocation(node, locationNode.start, locationNode.loc.start);\n    }\n}\n\nconst unwrapParenthesizedExpression = node => {\n    return node.type === "ParenthesizedExpression" ? unwrapParenthesizedExpression(node.expression) : node;\n};\n\nclass LValParser extends NodeUtils {\n    toAssignable(node) {\n        var _node$extra, _node$extra3;\n\n        let parenthesized = undefined;\n        if (node.type === "ParenthesizedExpression" || ((_node$extra = node.extra) == null ? void 0 : _node$extra.parenthesized)) {\n            parenthesized = unwrapParenthesizedExpression(node);\n            if (parenthesized.type !== "Identifier" && parenthesized.type !== "MemberExpression") {\n                this.raise(node.start, ErrorMessages.InvalidParenthesizedAssignment);\n            }\n        }\n\n        switch (node.type) {\n            case "Identifier":\n            case "ObjectPattern":\n            case "ArrayPattern":\n            case "AssignmentPattern":\n                break;\n\n            case "ObjectExpression":\n                node.type = "ObjectPattern";\n\n                for (let i = 0, length = node.properties.length, last = length - 1; i < length; i++) {\n                    var _node$extra2;\n\n                    const prop = node.properties[i];\n                    const isLast = i === last;\n                    this.toAssignableObjectExpressionProp(prop, isLast);\n\n                    if (isLast && prop.type === "RestElement" && ((_node$extra2 = node.extra) == null ? void 0 : _node$extra2.trailingComma)) {\n                        this.raiseRestNotLast(node.extra.trailingComma);\n                    }\n                }\n                break;\n\n            case "ObjectProperty":\n                this.toAssignable(node.value);\n                break;\n\n            case "SpreadElement":\n                {\n                    this.checkToRestConversion(node);\n                    node.type = "RestElement";\n                    const arg = node.argument;\n                    this.toAssignable(arg);\n                    break;\n                }\n\n            case "ArrayExpression":\n
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node.type = \"ArrayPattern\";\n      this.toAssignableList(node.elements, (_node$extra3 = node.extra) == null ?
void 0 : _node$extra3.trailingComma);\n      break;\n\n      case \"AssignmentExpression\":\n        if (node.operator
!=\"=\") {\n          this.raise(node.left.end, ErrorMessages.MissingEqInAssignment);\n        }\n        node.type =
\"AssignmentPattern\";\n        delete node.operator;\n        this.toAssignable(node.left);\n        break;\n\n      case
\"ParenthesizedExpression\":\n        this.toAssignable(parenthesized);\n        break;\n    }\n    return node;\n  }\n\n  toAssignableObjectExpressionProp(prop, isLast) {\n    if (prop.type === \"ObjectMethod\") {\n      const error =
prop.kind === \"get\" || prop.kind === \"set\" ? ErrorMessages.PatternHasAccessor :
ErrorMessages.PatternHasMethod;\n      this.raise(prop.key.start, error);\n    } else if (prop.type ===
\"SpreadElement\" && !isLast) {\n      this.raiseRestNotLast(prop.start);\n    } else {\n      this.toAssignable(prop);\n    }\n  }\n\n  toAssignableList(exprList, trailingCommaPos) {\n    let end = exprList.length;\n\n    if (end) {\n      const
last = exprList[end - 1];\n\n      if ((last == null ? void 0 : last.type) === \"RestElement\") {\n        --end;\n      } else
if ((last == null ? void 0 : last.type) === \"SpreadElement\") {\n        last.type = \"RestElement\";\n        const arg =
last.argument;\n        this.toAssignable(arg);\n\n        if (arg.type !== \"Identifier\" && arg.type !==
\"MemberExpression\" && arg.type !== \"ArrayPattern\" && arg.type !== \"ObjectPattern\") {\n
this.unexpected(arg.start);\n        }\n\n        if (trailingCommaPos) {\n
this.raiseTrailingCommaAfterRest(trailingCommaPos);\n        }\n\n        --end;\n      }\n    }\n\n    for (let i = 0; i <
end; i++) {\n      const elt = exprList[i];\n\n      if (elt) {\n        this.toAssignable(elt);\n\n        if (elt.type ===
\"RestElement\") {\n          this.raiseRestNotLast(elt.start);\n        }\n      }\n    }\n\n    return exprList;\n  }\n\n  toReferencedList(exprList, isParenthesizedExpr) {\n    return exprList;\n  }\n\n  toReferencedListDeep(exprList,
isParenthesizedExpr) {\n    this.toReferencedList(exprList, isParenthesizedExpr);\n\n    for (let _i = 0; _i <
exprList.length; _i++) {\n      const expr = exprList[_i];\n\n      if ((expr == null ? void 0 : expr.type) ===
\"ArrayExpression\") {\n        this.toReferencedListDeep(expr.elements);\n      }\n    }\n  }\n\n  parseSpread(refExpressionErrors, refNeedsArrowPos) {\n    const node = this.startNode();\n    this.next();\n    node.argument = this.parseMaybeAssignAllowIn(refExpressionErrors, undefined, refNeedsArrowPos);\n    return
this.finishNode(node, \"SpreadElement\");\n  }\n\n  parseRestBinding() {\n    const node = this.startNode();\n    this.next();\n    node.argument = this.parseBindingAtom();\n    return this.finishNode(node, \"RestElement\");\n  }\n\n  parseBindingAtom() {\n    switch (this.state.type) {\n      case types.bracketL:\n        {\n          const node =
this.startNode();\n          this.next();\n          node.elements = this.parseBindingList(types.bracketR, 93, true);\n          return
this.finishNode(node, \"ArrayPattern\");\n        }\n      case types.braceL:\n        return
this.parseObjectLike(types.braceR, true);\n    }\n    return this.parseIdentifier();\n  }\n\n  parseBindingList(close,
closeCharCode, allowEmpty, allowModifiers) {\n    const elts = [];\n    let first = true;\n\n    while (!this.eat(close))
{\n      if (first) {\n        first = false;\n      } else {\n        this.expect(types.comma);\n      }\n\n      if (allowEmpty &&
this.match(types.comma)) {\n        elts.push(null);\n      } else if (this.eat(close)) {\n        break;\n      } else if
(this.match(types.ellipsis)) {\n        elts.push(this.parseAssignableListItemTypes(this.parseRestBinding()));\n      }\n\n      this.checkCommaAfterRest(closeCharCode);\n      this.expect(close);\n      break;\n    } else {\n      const
decorators = [];\n\n      if (this.match(types.at) && this.hasPlugin(\"decorators\")) {\n        this.raise(this.state.start,
ErrorMessages.UnsupportedParameterDecorator);\n      }\n\n      while (this.match(types.at)) {\n
decorators.push(this.parseDecorator());\n      }\n\n      elts.push(this.parseAssignableListItem(allowModifiers,
decorators));\n    }\n  }\n\n  return elts;\n}\n\n  parseAssignableListItem(allowModifiers, decorators) {\n
const left = this.parseMaybeDefault();\n    this.parseAssignableListItemTypes(left);\n    const elt =
this.parseMaybeDefault(left.start, left.loc.start, left);\n\n    if (decorators.length) {\n      left.decorators =
decorators;\n    }\n\n    return elt;\n  }\n\n  parseAssignableListItemTypes(param) {\n    return param;\n  }\n\n  parseMaybeDefault(startPos, startLoc, left) {\n    var _startLoc, _startPos, _left;\n\n    startLoc = (_startLoc =
startLoc) != null ? _startLoc : this.state.startLoc;\n    startPos = (_startPos = startPos) != null ? _startPos :
this.state.start;\n    left = (_left = left) != null ? _left : this.parseBindingAtom();\n\n    if (!this.eat(types.eq)) return
left;\n    const node = this.startNodeAt(startPos, startLoc);\n    node.left = left;\n    node.right =
this.parseMaybeAssignAllowIn();\n    return this.finishNode(node, \"AssignmentPattern\");\n  }\n\n  checkLVal(expr, bindingType = BIND_NONE, checkClashes, contextDescription, disallowLetBinding,

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strictModeChanged = false) {\n  switch (expr.type) {\n    case \"Identifier\":\n      if (this.state.strict &&
(strictModeChanged ? isStrictBindReservedWord(expr.name, this.inModule) :
isStrictBindOnlyReservedWord(expr.name))) {\n      this.raise(expr.start, bindingType === BIND_NONE ?
ErrorMessages.StrictEvalArguments : ErrorMessages.StrictEvalArgumentsBinding, expr.name);\n    }\n\n    if
(checkClashes) {\n      const key = `_${expr.name}`;\n      if (checkClashes[key]) {\n
this.raise(expr.start, ErrorMessages.ParamDupe);\n      } else {\n      checkClashes[key] = true;\n      }\n
}\n\n    if (disallowLetBinding && expr.name === \"let\") {\n      this.raise(expr.start,
ErrorMessages.LetInLexicalBinding);\n    }\n\n    if (!(bindingType & BIND_NONE)) {\n
this.scope.declareName(expr.name, bindingType, expr.start);\n    }\n\n    break;\n\n    case
\"MemberExpression\":\n      if (bindingType !== BIND_NONE) {\n      this.raise(expr.start,
ErrorMessages.InvalidPropertyBindingPattern);\n    }\n\n    break;\n\n    case \"ObjectPattern\":\n      for (let
_i2 = 0, _expr$properties = expr.properties; _i2 < _expr$properties.length; _i2++) {\n      let prop =
_expr$properties[_i2];\n      if (prop.type === \"ObjectProperty\") prop = prop.value; else if (prop.type ===
\"ObjectMethod\") continue;\n      this.checkLVal(prop, bindingType, checkClashes, \"object destructuring
pattern\", disallowLetBinding);\n    }\n\n    break;\n\n    case \"ArrayPattern\":\n      for (let _i3 = 0,
_expr$elements = expr.elements; _i3 < _expr$elements.length; _i3++) {\n      const elem =
_expr$elements[_i3];\n      if (elem) {\n      this.checkLVal(elem, bindingType, checkClashes, \"array
destructuring pattern\", disallowLetBinding);\n      }\n    }\n\n    break;\n\n    case \"AssignmentPattern\":\n
this.checkLVal(expr.left, bindingType, checkClashes, \"assignment pattern\");\n    break;\n\n    case
\"RestElement\":\n      this.checkLVal(expr.argument, bindingType, checkClashes, \"rest element\");\n
break;\n\n    case \"ParenthesizedExpression\":\n      this.checkLVal(expr.expression, bindingType, checkClashes,
\"parenthesized expression\");\n      break;\n\n    default:\n      {\n      this.raise(expr.start, bindingType ===
BIND_NONE ? ErrorMessages.InvalidLhs : ErrorMessages.InvalidLhsBinding, contextDescription);\n      }\n
}\n\n    }\n\n    checkToRestConversion(node) {\n      if (node.argument.type !== \"Identifier\" && node.argument.type
!== \"MemberExpression\") {\n      this.raise(node.argument.start, ErrorMessages.InvalidRestAssignmentPattern);\n
}\n    }\n\n    checkCommaAfterRest(close) {\n      if (this.match(types.comma)) {\n      if (this.lookaheadCharCode()
=== close) {\n      this.raiseTrailingCommaAfterRest(this.state.start);\n      } else {\n
this.raiseRestNotLast(this.state.start);\n      }\n    }\n\n    }\n\n    raiseRestNotLast(pos) {\n      throw this.raise(pos,
ErrorMessages.ElementAfterRest);\n    }\n\n    raiseTrailingCommaAfterRest(pos) {\n      this.raise(pos,
ErrorMessages.RestTrailingComma);\n    }\n\n    }\n\n    const kExpression = 0,\n      kMaybeArrowParameterDeclaration
= 1,\n      kMaybeAsyncArrowParameterDeclaration = 2,\n      kParameterDeclaration = 3;\n\n    class ExpressionScope
{\n      constructor(type = kExpression) {\n      this.type = void 0;\n      this.type = type;\n      }\n\n
canBeArrowParameterDeclaration() {\n      return this.type === kMaybeAsyncArrowParameterDeclaration || this.type
=== kMaybeArrowParameterDeclaration;\n      }\n\n      isCertainlyParameterDeclaration() {\n      return this.type ===
kParameterDeclaration;\n      }\n    }\n\n    class ArrowHeadParsingScope extends ExpressionScope {\n      constructor(type)
{\n      super(type);\n      this.errors = new Map();\n      }\n\n      recordDeclarationError(pos, message) {\n
this.errors.set(pos, message);\n      }\n\n      clearDeclarationError(pos) {\n      this.errors.delete(pos);\n      }\n\n
iterateErrors(iterator) {\n      this.errors.forEach(iterator);\n      }\n    }\n\n    class ExpressionScopeHandler {\n
constructor(raise) {\n      this.stack = [new ExpressionScope()];\n      this.raise = raise;\n      }\n\n      enter(scope) {\n
this.stack.push(scope);\n      }\n\n      exit() {\n      this.stack.pop();\n      }\n\n      recordParameterInitializerError(pos, message)
{\n      const {\n      stack\n      } = this;\n      let i = stack.length - 1;\n      let scope = stack[i];\n\n      while
(!scope.isCertainlyParameterDeclaration()) {\n      if (scope.canBeArrowParameterDeclaration()) {\n
scope.recordDeclarationError(pos, message);\n      } else {\n      return;\n      }\n\n      scope = stack[--i];\n      }\n\n
this.raise(pos, message);\n      }\n\n      recordAsyncArrowParametersError(pos, message) {\n      const {\n      stack\n      } =
this;\n      let i = stack.length - 1;\n      let scope = stack[i];\n\n      while (scope.canBeArrowParameterDeclaration()) {\n
if (scope.type === kMaybeAsyncArrowParameterDeclaration) {\n      scope.recordDeclarationError(pos,
message);\n      }\n\n      scope = stack[--i];\n      }\n    }\n\n      validateAsPattern() {\n      const {\n      stack\n      } =
this;\n      const currentScope = stack[stack.length - 1];\n      if (!currentScope.canBeArrowParameterDeclaration()) return;\n
}

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currentScope.iterateErrors((message, pos) => {\n  this.raise(pos, message);\n  let i = stack.length - 2;\n  let
scope = stack[i];\n\n  while (scope.canBeArrowParameterDeclaration()) {\n
scope.clearDeclarationError(pos);\n  scope = stack[--i];\n  }\n });\n }\n\n}\nfunction
newParameterDeclarationScope() {\n return new ExpressionScope(kParameterDeclaration);\n}\nfunction
newArrowHeadScope() {\n return new
ArrowHeadParsingScope(kMaybeArrowParameterDeclaration);\n}\nfunction newAsyncArrowScope() {\n return
new ArrowHeadParsingScope(kMaybeAsyncArrowParameterDeclaration);\n}\nfunction newExpressionScope() {\n
return new ExpressionScope();\n}\n\n\nclass ExpressionParser extends LValParser {\n checkProto(prop, isRecord,
protoRef, refExpressionErrors) {\n  if (prop.type === \"SpreadElement\" || prop.type === \"ObjectMethod\" ||
prop.computed || prop.shorthand) {\n    return;\n  }\n\n  const key = prop.key;\n  const name = key.type ===
\"Identifier\" ? key.name : key.value;\n\n  if (name === \"__proto__\") {\n    if (isRecord) {\n
this.raise(key.start, ErrorMessages.RecordNoProto);\n    return;\n  }\n\n  if (protoRef.used) {\n    if
(refExpressionErrors) {\n      if (refExpressionErrors.doubleProto === -1) {\n
refExpressionErrors.doubleProto = key.start;\n      }\n    } else {\n      this.raise(key.start,
ErrorMessages.DuplicateProto);\n    }\n  }\n\n  protoRef.used = true;\n  }\n  }\n\n}\n\nshouldExitDescending(expr, potentialArrowAt) {\n return expr.type === \"ArrowFunctionExpression\" &&
expr.start === potentialArrowAt;\n }\n\n}\n\ngetExpression() {\n let paramFlags = PARAM;\n\n if
(this.hasPlugin(\"topLevelAwait\") && this.inModule) {\n  paramFlags |= PARAM_AWAIT;\n  }\n\n}\n\nthis.scope.enter(SCOPE_PROGRAM);\n this.prodParam.enter(paramFlags);\n this.nextToken();\n const expr
= this.parseExpression();\n\n if (!this.match(types.eof)) {\n  this.unexpected();\n  }\n\n}\n\nexpr.comments =
this.state.comments;\n expr.errors = this.state.errors;\n return expr;\n }\n\n}\n\nparseExpression(disallowIn,
refExpressionErrors) {\n if (disallowIn) {\n  return this.disallowInAnd(() =>
this.parseExpressionBase(refExpressionErrors));\n }\n\n}\n\nreturn this.allowInAnd(() =>
this.parseExpressionBase(refExpressionErrors));\n }\n\n}\n\n}\n\nparseExpressionBase(refExpressionErrors) {\n const
startPos = this.state.start;\n const startLoc = this.state.startLoc;\n const expr =
this.parseMaybeAssign(refExpressionErrors);\n\n if (this.match(types.comma)) {\n  const node =
this.startNodeAt(startPos, startLoc);\n  node.expressions = [expr];\n\n  while (this.eat(types.comma)) {\n
node.expressions.push(this.parseMaybeAssign(refExpressionErrors));\n  }\n\n}\n\n}\n\nthis.toReferencedList(node.expressions);\n return this.finishNode(node, \"SequenceExpression\");\n }\n\n}\n\nreturn expr;\n }\n\n}\n\n}\n\nparseMaybeAssignDisallowIn(refExpressionErrors, afterLeftParse, refNeedsArrowPos) {\n
return this.disallowInAnd(() => this.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos));\n
}\n\n}\n\n}\n\nparseMaybeAssignAllowIn(refExpressionErrors, afterLeftParse, refNeedsArrowPos) {\n return
this.allowInAnd(() => this.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos));\n }\n\n}\n\n}\n\n}\n\nparseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos) {\n const startPos = this.state.start;\n
const startLoc = this.state.startLoc;\n\n if (this.isContextual(\"yield\")) {\n  if (this.prodParam.hasYield) {\n
this.state.exprAllowed = true;\n  let left = this.parseYield();\n\n  if (afterLeftParse) {\n    left =
afterLeftParse.call(this, left, startPos, startLoc);\n  }\n\n  return left;\n  }\n  }\n\n}\n\n}\n\nlet
ownExpressionErrors;\n\n if (refExpressionErrors) {\n  ownExpressionErrors = false;\n  } else {\n
refExpressionErrors = new ExpressionErrors();\n  ownExpressionErrors = true;\n  }\n\n}\n\n}\n\n}\n\nif
(this.match(types.parenL) || this.match(types.name)) {\n  this.state.potentialArrowAt = this.state.start;\n  }\n\n}\n\n}\n\nlet left = this.parseMaybeConditional(refExpressionErrors, refNeedsArrowPos);\n\n if (afterLeftParse) {\n left
= afterLeftParse.call(this, left, startPos, startLoc);\n }\n\n}\n\n}\n\n}\n\nif (this.state.type.isAssign) {\n const node =
this.startNodeAt(startPos, startLoc);\n  const operator = this.state.value;\n  node.operator = operator;\n\n if
(this.match(types.eq)) {\n  node.left = this.toAssignable(left);\n  refExpressionErrors.doubleProto = -1;\n
}\n  } else {\n  node.left = left;\n  }\n\n}\n\n}\n\n}\n\nif (refExpressionErrors.shorthandAssign >= node.left.start) {\n
refExpressionErrors.shorthandAssign = -1;\n  }\n\n}\n\n}\n\n}\n\nthis.checkLVal(left, undefined, undefined, \"assignment
expression\");\n this.next();\n node.right = this.parseMaybeAssign();\n return this.finishNode(node,
\"AssignmentExpression\");\n }\n  } else if (ownExpressionErrors) {\n

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this.checkExpressionErrors(refExpressionErrors, true);\n  }\n\n  return left;\n }\n\n  parseMaybeConditional(refExpressionErrors, refNeedsArrowPos) {\n  const startPos = this.state.start;\n  const startLoc = this.state.startLoc;\n  const potentialArrowAt = this.state.potentialArrowAt;\n  const expr = this.parseExprOps(refExpressionErrors);\n\n  if (this.shouldExitDescending(expr, potentialArrowAt)) {\n  return expr;\n }\n\n  return this.parseConditional(expr, startPos, startLoc, refNeedsArrowPos);\n }\n\n  parseConditional(expr, startPos, startLoc, refNeedsArrowPos) {\n  if (this.eat(types.question)) {\n  const node = this.startNodeAt(startPos, startLoc);\n  node.test = expr;\n  node.consequent = this.parseMaybeAssignAllowIn();\n  this.expect(types.colon);\n  node.alternate = this.parseMaybeAssign();\n  return this.finishNode(node, \"ConditionalExpression\");\n }\n\n  return expr;\n }\n\n  parseExprOps(refExpressionErrors) {\n  const startPos = this.state.start;\n  const startLoc = this.state.startLoc;\n  const potentialArrowAt = this.state.potentialArrowAt;\n  const expr = this.parseMaybeUnary(refExpressionErrors);\n\n  if (this.shouldExitDescending(expr, potentialArrowAt)) {\n  return expr;\n }\n\n  return this.parseExprOp(expr, startPos, startLoc, -1);\n }\n\n  parseExprOp(left, leftStartPos, leftStartLoc, minPrec) {\n  let prec = this.state.type.binop;\n\n  if (prec != null && (this.prodParam.hasIn || !this.match(types._in))) {\n  if (prec > minPrec) {\n  const op = this.state.type;\n\n  if (op === types.pipeline) {\n  this.expectPlugin(\"pipelineOperator\");\n\n  if (this.state.inFSharpPipelineDirectBody) {\n  return left;\n }\n\n  this.state.inPipeline = true;\n  this.checkPipelineAtInfixOperator(left, leftStartPos);\n }\n\n  const node = this.startNodeAt(leftStartPos, leftStartLoc);\n  node.left = left;\n  node.operator = this.state.value;\n\n  if (op === types.exponent && left.type === \"UnaryExpression\" && (this.options.createParenthesizedExpressions || !(left.extra && left.extra.parenthesized))) {\n  this.raise(left.argument.start, ErrorMessages.UnexpectedTokenUnaryExponentiation);\n }\n\n  const logical = op === types.logicalOR || op === types.logicalAND;\n  const coalesce = op === types.nullishCoalescing;\n\n  if (coalesce) {\n  prec = types.logicalAND.binop;\n }\n\n  this.next();\n\n  if (op === types.pipeline && this.getPluginOption(\"pipelineOperator\", \"proposal\") === \"minimal\") {\n  if (this.match(types.name) && this.state.value === \"await\" && this.prodParam.hasAwait) {\n  throw this.raise(this.state.start, ErrorMessages.UnexpectedAwaitAfterPipelineBody);\n }\n }\n\n  node.right = this.parseExprOpRightExpr(op, prec);\n  this.finishNode(node, logical || coalesce ? \"LogicalExpression\" : \"BinaryExpression\");\n  const nextOp = this.state.type;\n\n  if (coalesce && (nextOp === types.logicalOR || nextOp === types.logicalAND) || logical && nextOp === types.nullishCoalescing) {\n  throw this.raise(this.state.start, ErrorMessages.MixingCoalesceWithLogical);\n }\n\n  return this.parseExprOp(node, leftStartPos, leftStartLoc, minPrec);\n }\n }\n\n  parseExprOpRightExpr(op, prec) {\n  const startPos = this.state.start;\n  const startLoc = this.state.startLoc;\n\n  switch (op) {\n  case types.pipeline:\n  switch (this.getPluginOption(\"pipelineOperator\", \"proposal\")) {\n  case \"smart\":\n  return this.withTopicPermittingContext(() => {\n  return this.parseSmartPipelineBody(this.parseExprOpBaseRightExpr(op, prec), startPos, startLoc);\n });\n  case \"fsharp\":\n  return this.withSoloAwaitPermittingContext(() => {\n  return this.parseFSharpPipelineBody(prec);\n });\n  default:\n  return this.parseExprOpBaseRightExpr(op, prec);\n }\n }\n\n  parseExprOpBaseRightExpr(op, prec) {\n  const startPos = this.state.start;\n  const startLoc = this.state.startLoc;\n  return this.parseExprOp(this.parseMaybeUnary(), startPos, startLoc, op.rightAssociative ? prec - 1 : prec);\n }\n\n  parseMaybeUnary(refExpressionErrors) {\n  if (this.isContextual(\"await\") && this.isAwaitAllowed()) {\n  return this.parseAwait();\n }\n\n  const update = this.match(types.incDec);\n  const node = this.startNode();\n\n  if (this.state.type.prefix) {\n  node.operator = this.state.value;\n  node.prefix = true;\n\n  if (this.match(types._throw)) {\n  this.expectPlugin(\"throwExpressions\");\n }\n\n  const isDelete = this.match(types._delete);\n  this.next();\n\n  node.argument = this.parseMaybeUnary();\n  this.checkExpressionErrors(refExpressionErrors, true);\n\n  if (this.state.strict && isDelete) {\n  const arg = node.argument;\n\n  if (arg.type === \"Identifier\") {\n  this.raise(node.start, ErrorMessages.StrictDelete);\n } else if ((arg.type === \"MemberExpression\" || arg.type

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=== \"OptionalMemberExpression\") && arg.property.type === \"PrivateName\") {\n      this.raise(node.start,
ErrorMessages.DeletePrivateField);\n    }\n  }\n\n  if (!update) {\n    return this.finishNode(node,
\"UnaryExpression\");\n  }\n  }\n\n  return this.parseUpdate(node, update, refExpressionErrors);\n  }\n\n  parseUpdate(node, update, refExpressionErrors) {\n    if (update) {\n      this.checkLVal(node.argument, undefined,
undefined, \"prefix operation\");\n      return this.finishNode(node, \"UpdateExpression\");\n    }\n\n    const startPos
= this.state.start;\n    const startLoc = this.state.startLoc;\n    let expr =
this.parseExprSubscripts(refExpressionErrors);\n    if (this.checkExpressionErrors(refExpressionErrors, false))
return expr;\n\n    while (this.state.type.postfix && !this.canInsertSemicolon()) {\n      const node =
this.startNodeAt(startPos, startLoc);\n      node.operator = this.state.value;\n      node.prefix = false;\n      node.argument = expr;\n      this.checkLVal(expr, undefined, undefined, \"postfix operation\");\n      this.next();\n      expr = this.finishNode(node, \"UpdateExpression\");\n    }\n\n    return expr;\n  }\n\n  parseExprSubscripts(refExpressionErrors) {\n    const startPos = this.state.start;\n    const startLoc =
this.state.startLoc;\n    const potentialArrowAt = this.state.potentialArrowAt;\n    const expr =
this.parseExprAtom(refExpressionErrors);\n\n    if (this.shouldExitDescending(expr, potentialArrowAt)) {\n      return expr;\n    }\n\n    return this.parseSubscripts(expr, startPos, startLoc);\n  }\n\n  parseSubscripts(base, startPos,
startLoc, noCalls) {\n    const state = {\n      optionalChainMember: false,\n      maybeAsyncArrow:
this.atPossibleAsyncArrow(base),\n      stop: false\n    };\n\n    do {\n      base = this.parseSubscript(base, startPos,
startLoc, noCalls, state);\n      state.maybeAsyncArrow = false;\n    } while (!state.stop);\n\n    return base;\n  }\n\n  parseSubscript(base, startPos, startLoc, noCalls, state) {\n    if (!noCalls && this.eat(types.doubleColon)) {\n      return this.parseBind(base, startPos, startLoc, noCalls, state);\n    } else if (this.match(types.backQuote)) {\n      return this.parseTaggedTemplateExpression(base, startPos, startLoc, state);\n    }\n\n    let optional = false;\n\n    if (this.match(types.questionDot)) {\n      state.optionalChainMember = optional = true;\n\n      if (noCalls &&
this.lookaheadCharCode() === 40) {\n        state.stop = true;\n        return base;\n      }\n\n      this.next();\n    }\n\n    if (!noCalls && this.match(types.parenL)) {\n      return this.parseCoverCallAndAsyncArrowHead(base, startPos,
startLoc, state, optional);\n    } else if (optional || this.match(types.bracketL) || this.eat(types.dot)) {\n      return
this.parseMember(base, startPos, startLoc, state, optional);\n    } else {\n      state.stop = true;\n      return base;\n    }\n  }\n\n  parseMember(base, startPos, startLoc, state, optional) {\n    const node = this.startNodeAt(startPos,
startLoc);\n    const computed = this.eat(types.bracketL);\n    node.object = base;\n    node.computed = computed;\n    const property = computed ? this.parseExpression() : this.parseMaybePrivateName(true);\n\n    if (property.type ===
\"PrivateName\") {\n      if (node.object.type === \"Super\") {\n        this.raise(startPos,
ErrorMessages.SuperPrivateField);\n      }\n\n      this.classScope.usePrivateName(property.id.name,
property.start);\n    }\n\n    node.property = property;\n\n    if (computed) {\n      this.expect(types.bracketR);\n    }\n\n    if (state.optionalChainMember) {\n      node.optional = optional;\n      return this.finishNode(node,
\"OptionalMemberExpression\");\n    } else {\n      return this.finishNode(node, \"MemberExpression\");\n    }\n  }\n\n  parseBind(base, startPos, startLoc, noCalls, state) {\n    const node = this.startNodeAt(startPos, startLoc);\n    node.object = base;\n    node.callee = this.parseNoCallExpr();\n    state.stop = true;\n    return
this.parseSubscripts(this.finishNode(node, \"BindExpression\"), startPos, startLoc, noCalls);\n  }\n\n  parseCoverCallAndAsyncArrowHead(base, startPos, startLoc, state, optional) {\n    const
oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n    this.state.maybeInArrowParameters =
true;\n    this.next();\n    let node = this.startNodeAt(startPos, startLoc);\n    node.callee = base;\n\n    if
(state.maybeAsyncArrow) {\n      this.expressionScope.enter(new AsyncArrowScope());\n    }\n\n    if
(state.optionalChainMember) {\n      node.optional = optional;\n    }\n\n    if (optional) {\n      node.arguments =
this.parseCallExpressionArguments(types.parenR, false);\n    } else {\n      node.arguments =
this.parseCallExpressionArguments(types.parenR, state.maybeAsyncArrow, base.type === \"Import\", base.type
!== \"Super\", node);\n    }\n\n    this.finishCallExpression(node, state.optionalChainMember);\n\n    if
(state.maybeAsyncArrow && this.shouldParseAsyncArrow() && !optional) {\n      state.stop = true;\n      this.expressionScope.validateAsPattern();\n      this.expressionScope.exit();\n      node =
this.parseAsyncArrowFromCallExpression(this.startNodeAt(startPos, startLoc), node);\n    } else {\n      if

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(state.maybeAsyncArrow) {\n    this.expressionScope.exit();\n    }\n\n    this.toReferencedArguments(node);\n}\n\n    this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n    return node;\n}\n\n    toReferencedArguments(node, isParenthesizedExpr) {\n    this.toReferencedListDeep(node.arguments,\n    isParenthesizedExpr);\n    }\n\n    parseTaggedTemplateExpression(base, startPos, startLoc, state) {\n    const node =\n    this.startNodeAt(startPos, startLoc);\n    node.tag = base;\n    node.quasi = this.parseTemplate(true);\n\n    if\n    (state.optionalChainMember) {\n    this.raise(startPos, ErrorMessages.OptionalChainingNoTemplate);\n    }\n\n    return this.finishNode(node, \"TaggedTemplateExpression\");\n}\n\n    atPossibleAsyncArrow(base) {\n    return\n    base.type === \"Identifier\" && base.name === \"async\" && this.state.lastTokEnd === base.end &&\n    !this.canInsertSemicolon() && base.end - base.start === 5 && base.start === this.state.potentialArrowAt;\n}\n\n    finishCallExpression(node, optional) {\n    if (node.callee.type === \"Import\") {\n    if (node.arguments.length\n    === 2) {\n    if (!this.hasPlugin(\"moduleAttributes\")) {\n    this.expectPlugin(\"importAssertions\");\n    }\n    }\n\n    if (node.arguments.length === 0 || node.arguments.length > 2) {\n    this.raise(node.start,\n    ErrorMessages.ImportCallArity, this.hasPlugin(\"importAssertions\") || this.hasPlugin(\"moduleAttributes\") ? \"one\n    or two arguments\" : \"one argument\");\n    } else {\n    for (let _i = 0, _node$arguments = node.arguments; _i <\n    _node$arguments.length; _i++) {\n    const arg = _node$arguments[_i];\n\n    if (arg.type ===\n    \"SpreadElement\") {\n    this.raise(arg.start, ErrorMessages.ImportCallSpreadArgument);\n    }\n    }\n    }\n\n    return this.finishNode(node, optional ? \"OptionalCallExpression\" : \"CallExpression\");\n}\n\n    parseCallExpressionArguments(close, possibleAsyncArrow, dynamicImport, allowPlaceholder, nodeForExtra) {\n    const elts = [];\n    let innerParenStart;\n    let first = true;\n    const oldInFSharpPipelineDirectBody =\n    this.state.inFSharpPipelineDirectBody;\n    this.state.inFSharpPipelineDirectBody = false;\n\n    while\n    (!this.eat(close)) {\n    if (first) {\n    first = false;\n    } else {\n    this.expect(types.comma);\n\n    if\n    (this.match(close)) {\n    if (dynamicImport && !this.hasPlugin(\"importAssertions\") &&\n    !this.hasPlugin(\"moduleAttributes\")) {\n    this.raise(this.state.lastTokStart,\n    ErrorMessages.ImportCallArgumentTrailingComma);\n    }\n\n    if (nodeForExtra) {\n    this.addExtra(nodeForExtra, \"trailingComma\", this.state.lastTokStart);\n    }\n\n    this.next();\n    break;\n    }\n    }\n\n    if (this.match(types.parenL) && !innerParenStart) {\n    innerParenStart =\n    this.state.start;\n    }\n\n    elts.push(this.parseExprListItem(false, possibleAsyncArrow ? new ExpressionErrors() :\n    undefined, possibleAsyncArrow ? {\n    start: 0\n    } : undefined, allowPlaceholder));\n    }\n\n    if\n    (possibleAsyncArrow && innerParenStart && this.shouldParseAsyncArrow()) {\n    this.unexpected();\n    }\n\n    this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n    return elts;\n}\n\n    shouldParseAsyncArrow() {\n    return this.match(types.arrow) && !this.canInsertSemicolon();\n}\n\n    parseAsyncArrowFromCallExpression(node, call) {\n    var _call$extra;\n\n    this.expect(types.arrow);\n\n    this.parseArrowExpression(node, call.arguments, true, (_call$extra = call.extra) == null ? void 0 :\n    _call$extra.trailingComma);\n    return node;\n}\n\n    parseNoCallExpr() {\n    const startPos = this.state.start;\n    const startLoc = this.state.startLoc;\n    return this.parseSubscripts(this.parseExprAtom(), startPos, startLoc, true);\n}\n\n    parseExprAtom(refExpressionErrors) {\n    if (this.state.type === types.slash) this.readRegexp();\n    const\n    canBeArrow = this.state.potentialArrowAt === this.state.start;\n    let node;\n\n    switch (this.state.type) {\n    case\n    types._super:\n    return this.parseSuper();\n\n    case types._import:\n    node = this.startNode();\n    this.next();\n\n    if (this.match(types.dot)) {\n    return this.parseImportMetaProperty(node);\n    }\n\n    if (!this.match(types.parenL)) {\n    this.raise(this.state.lastTokStart, ErrorMessages.UnsupportedImport);\n    }\n\n    return this.finishNode(node, \"Import\");\n\n    case types._this:\n    node = this.startNode();\n    this.next();\n    return this.finishNode(node, \"ThisExpression\");\n\n    case types.name:\n    {\n    const\n    containsEsc = this.state.containsEsc;\n    const id = this.parseIdentifier();\n\n    if (!containsEsc && id.name\n    === \"async\" && !this.canInsertSemicolon()) {\n    if (this.match(types._function)) {\n    const last =\n    this.state.context.length - 1;\n\n    if (this.state.context[last] !== types.$1.functionStatement) {\n    throw new Error(\"Internal error\");\n    }\n\n    this.state.context[last] = types.$1.functionExpression;\n    this.next();\n    return this.parseFunction(this.startNodeAtNode(id), undefined, true);\n    } else if\n    (this.match(types.name)) {\n    return this.parseAsyncArrowUnaryFunction(id);\n    }\n    }\n    }\n}

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if (canBeArrow && this.match(types.arrow) && !this.canInsertSemicolon()) {\n      this.next();\n      return
this.parseArrowExpression(this.startNodeAtNode(id), [id], false);\n    }\n\n    return id;\n  }\n\n  case
types._do:\n    {\n      return this.parseDo();\n    }\n\n  case types.regexp:\n    {\n      const value =
this.state.value;\n      node = this.parseLiteral(value.value, \"RegExpLiteral\");\n      node.pattern =
value.pattern;\n      node.flags = value.flags;\n      return node;\n    }\n\n  case types.num:\n    return
this.parseLiteral(this.state.value, \"NumericLiteral\");\n\n  case types.bigint:\n    return
this.parseLiteral(this.state.value, \"BigIntLiteral\");\n\n  case types.decimal:\n    return
this.parseLiteral(this.state.value, \"DecimalLiteral\");\n\n  case types.string:\n    return
this.parseLiteral(this.state.value, \"StringLiteral\");\n\n  case types._null:\n    node = this.startNode();\n    this.next();\n    return this.finishNode(node, \"NullLiteral\");\n\n  case types._true:\n  case types._false:\n
return this.parseBooleanLiteral();\n\n  case types.parenL:\n    return
this.parseParenAndDistinguishExpression(canBeArrow);\n\n  case types.bracketBarL:\n  case
types.bracketHashL:\n    {\n      return this.parseArrayLike(this.state.type === types.bracketBarL ?
types.bracketBarR : types.bracketR, false, true, refExpressionErrors);\n    }\n\n  case types.bracketL:\n    {\n
return this.parseArrayLike(types.bracketR, true, false, refExpressionErrors);\n    }\n\n  case
types.braceBarL:\n  case types.braceHashL:\n    {\n      return this.parseObjectLike(this.state.type ===
types.braceBarL ? types.braceBarR : types.braceR, false, true, refExpressionErrors);\n    }\n\n  case
types.braceL:\n    {\n      return this.parseObjectLike(types.braceR, false, false, refExpressionErrors);\n
}\n\n  case types._function:\n    return this.parseFunctionOrFunctionSent();\n\n  case types.at:\n
this.parseDecorators();\n\n  case types._class:\n    node = this.startNode();\n    this.takeDecorators(node);\n
return this.parseClass(node, false);\n\n  case types._new:\n    return this.parseNewOrNewTarget();\n\n  case
types.backQuote:\n    return this.parseTemplate(false);\n\n  case types.doubleColon:\n    {\n      node =
this.startNode();\n      this.next();\n      node.object = null;\n      const callee = node.callee =
this.parseNoCallExpr();\n      if (callee.type === \"MemberExpression\") {\n        return this.finishNode(node,
\"BindExpression\");\n      } else {\n        throw this.raise(callee.start, ErrorMessages.UnsupportedBind);\n
}\n    }\n\n  case types.hash:\n    {\n      if (this.state.inPipeline) {\n        node = this.startNode();\n
if (this.getPluginOption(\"pipelineOperator\", \"proposal\") !== \"smart\") {\n          this.raise(node.start,
ErrorMessages.PrimaryTopicRequiresSmartPipeline);\n        }\n\n        this.next();\n\n        if
(!this.primaryTopicReferenceIsAllowedInCurrentTopicContext()) {\n          this.raise(node.start,
ErrorMessages.PrimaryTopicNotAllowed);\n        }\n\n        this.registerTopicReference();\n        return
this.finishNode(node, \"PipelinePrimaryTopicReference\");\n      }\n\n      const nextCh =
this.input.codePointAt(this.state.end);\n\n      if (isIdentifierStart(nextCh) || nextCh === 92) {\n        const start
= this.state.start;\n        node = this.parseMaybePrivateName(true);\n\n        if (this.match(types._in)) {\n
this.expectPlugin(\"privateIn\");\n          this.classScope.usePrivateName(node.id.name, node.start);\n        }
else if (this.hasPlugin(\"privateIn\")) {\n          this.raise(this.state.start, ErrorMessages.PrivateInExpectedIn,
node.id.name);\n        } else {\n          throw this.unexpected(start);\n        }\n\n        return node;\n      }\n
}\n\n  case types.relational:\n    {\n      if (this.state.value === \"<\") {\n        const lookaheadCh =
this.input.codePointAt(this.nextTokenStart());\n\n        if (isIdentifierStart(lookaheadCh) || lookaheadCh === 62)
{\n          this.expectOnePlugin([\"jsx\", \"flow\", \"typescript\"]);
}\n      }\n\n      default:\n        throw this.unexpected();\n      }\n    }\n\n  parseAsyncArrowUnaryFunction(id) {\n    const node =
this.startNodeAtNode(id);\n    this.prodParam.enter(functionFlags(true, this.prodParam.hasYield));\n    const params
= [this.parseIdentifier()];\n    this.prodParam.exit();\n\n    if (this.hasPrecedingLineBreak()) {\n
this.raise(this.state.pos, ErrorMessages.LineTerminatorBeforeArrow);\n    }\n\n    this.expect(types.arrow);\n
this.parseArrowExpression(node, params, true);\n    return node;\n  }\n\n  parseDo() {\n
this.expectPlugin(\"doExpressions\");\n    const node = this.startNode();\n    this.next();\n    const oldLabels =
this.state.labels;\n    this.state.labels = [];\n    node.body = this.parseBlock();\n    this.state.labels = oldLabels;\n
return this.finishNode(node, \"DoExpression\");\n  }\n\n  parseSuper() {\n    const node = this.startNode();\n
this.next();\n\n    if (this.match(types.parenL) && !this.scope.allowDirectSuper &&

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!this.options.allowSuperOutsideMethod) {\n  this.raise(node.start, ErrorMessages.SuperNotAllowed);\n } else if
(!this.scope.allowSuper && !this.options.allowSuperOutsideMethod) {\n  this.raise(node.start,
ErrorMessages.UnexpectedSuper);\n }\n\n if (!this.match(types.parenL) && !this.match(types.bracketL) &&
!this.match(types.dot)) {\n  this.raise(node.start, ErrorMessages.UnsupportedSuper);\n }\n\n return
this.finishNode(node, \"Super\");\n }\n\n parseBooleanLiteral() {\n  const node = this.startNode();\n  node.value
= this.match(types._true);\n  this.next();\n  return this.finishNode(node, \"BooleanLiteral\");\n }\n\n
parseMaybePrivateName(isPrivateNameAllowed) {\n  const isPrivate = this.match(types.hash);\n  if (isPrivate)
{\n  this.expectOnePlugin([\"classPrivateProperties\", \"classPrivateMethods\"]);\n  if
(!isPrivateNameAllowed) {\n  this.raise(this.state.pos, ErrorMessages.UnexpectedPrivateField);\n  }\n\n
const node = this.startNode();\n  this.next();\n  this.assertNoSpace(\"Unexpected space between # and
identifier\");\n  node.id = this.parseIdentifier(true);\n  return this.finishNode(node, \"PrivateName\");\n } else
{\n  return this.parseIdentifier(true);\n }\n }\n\n parseFunctionOrFunctionSent() {\n  const node =
this.startNode();\n  this.next();\n\n  if (this.prodParam.hasYield && this.match(types.dot)) {\n  const meta =
this.createIdentifier(this.startNodeAtNode(node), \"function\");\n  this.next();\n  return
this.parseMetaProperty(node, meta, \"sent\");\n }\n\n  return this.parseFunction(node);\n }\n\n
parseMetaProperty(node, meta, propertyName) {\n  node.meta = meta;\n\n  if (meta.name === \"function\" &&
propertyName === \"sent\") {\n  if (this.isContextual(propertyName)) {\n
this.expectPlugin(\"functionSent\");\n  } else if (!this.hasPlugin(\"functionSent\")) {\n  this.unexpected();\n
}\n  }\n\n  const containsEsc = this.state.containsEsc;\n  node.property = this.parseIdentifier(true);\n\n  if
(node.property.name !== propertyName || containsEsc) {\n  this.raise(node.property.start,
ErrorMessages.UnsupportedMetaProperty, meta.name, propertyName);\n }\n\n  return this.finishNode(node,
\"MetaProperty\");\n }\n\n parseImportMetaProperty(node) {\n  const id =
this.createIdentifier(this.startNodeAtNode(node), \"import\");\n  this.next();\n\n  if (this.isContextual(\"meta\"))
{\n  if (!this.inModule) {\n  this.raiseWithData(id.start, {\n  code:
\"BABEL_PARSER_SOURCETYPE_MODULE_REQUIRED\"\n  },
ErrorMessages.ImportMetaOutsideModule);\n }\n\n  this.sawUnambiguousESM = true;\n }\n\n  return
this.parseMetaProperty(node, id, \"meta\");\n }\n\n parseLiteral(value, type, startPos, startLoc) {\n  startPos =
startPos || this.state.start;\n  startLoc = startLoc || this.state.startLoc;\n  const node = this.startNodeAt(startPos,
startLoc);\n  this.addExtra(node, \"rawValue\", value);\n  this.addExtra(node, \"raw\", this.input.slice(startPos,
this.state.end));\n  node.value = value;\n  this.next();\n  return this.finishNode(node, type);\n }\n\n
parseParenAndDistinguishExpression(canBeArrow) {\n  const startPos = this.state.start;\n  const startLoc =
this.state.startLoc;\n  let val;\n  this.next();\n  this.expressionScope.enter(new ArrowHeadScope());\n  const
oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n  const oldInFSharpPipelineDirectBody =
this.state.inFSharpPipelineDirectBody;\n  this.state.maybeInArrowParameters = true;\n
this.state.inFSharpPipelineDirectBody = false;\n  const innerStartPos = this.state.start;\n  const innerStartLoc =
this.state.startLoc;\n  const exprList = [];\n  const refExpressionErrors = new ExpressionErrors();\n  const
refNeedsArrowPos = {\n  start: 0\n  };\n  let first = true;\n  let spreadStart;\n  let optionalCommaStart;\n\n
while (!this.match(types.parenR)) {\n  if (first) {\n  first = false;\n  } else {\n  this.expect(types.comma,
refNeedsArrowPos.start || null);\n\n  if (this.match(types.parenR)) {\n  optionalCommaStart =
this.state.start;\n  break;\n  }\n  }\n\n  if (this.match(types.ellipsis)) {\n  const spreadNodeStartPos
= this.state.start;\n  const spreadNodeStartLoc = this.state.startLoc;\n  spreadStart = this.state.start;\n
exprList.push(this.parseParenItem(this.parseRestBinding(), spreadNodeStartPos, spreadNodeStartLoc));\n
this.checkCommaAfterRest(41);\n  break;\n  } else {\n
exprList.push(this.parseMaybeAssignAllowIn(refExpressionErrors, this.parseParenItem, refNeedsArrowPos));\n
}\n  }\n\n  const innerEndPos = this.state.lastTokEnd;\n  const innerEndLoc = this.state.lastTokEndLoc;\n
this.expect(types.parenR);\n  this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n
this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n  let arrowNode =
this.startNodeAt(startPos, startLoc);\n\n  if (canBeArrow && this.shouldParseArrow() && (arrowNode =

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this.parseArrow(arrowNode))) {\n  this.expressionScope.validateAsPattern();\n
this.expressionScope.exit();\n\n  for (let _i2 = 0; _i2 < exprList.length; _i2++) {\n    const param =
exprList[_i2];\n\n    if (param.extra && param.extra.parenthesized) {\n
this.unexpected(param.extra.parenStart);\n    }\n\n    this.parseArrowExpression(arrowNode, exprList,
false);\n    return arrowNode;\n  }\n\n  this.expressionScope.exit();\n\n  if (!exprList.length) {\n
this.unexpected(this.state.lastTokStart);\n  }\n\n  if (optionalCommaStart)
this.unexpected(optionalCommaStart);\n  if (spreadStart) this.unexpected(spreadStart);\n
this.checkExpressionErrors(refExpressionErrors, true);\n  if (refNeedsArrowPos.start)
this.unexpected(refNeedsArrowPos.start);\n  this.toReferencedListDeep(exprList, true);\n\n  if (exprList.length >
1) {\n    val = this.startNodeAt(innerStartPos, innerStartLoc);\n    val.expressions = exprList;\n
this.finishNodeAt(val, "SequenceExpression", innerEndPos, innerEndLoc);\n  } else {\n    val = exprList[0];\n
}\n\n  if (!this.options.createParenthesizedExpressions) {\n    this.addExtra(val, "parenthesized", true);\n
}\n\n  this.addExtra(val, "parenStart", startPos);\n  return val;\n  }\n\n  const parenExpression =
this.startNodeAt(startPos, startLoc);\n  parenExpression.expression = val;\n  this.finishNode(parenExpression,
"ParenthesizedExpression");\n  return parenExpression;\n  }\n\n  shouldParseArrow() {\n    return
!this.canInsertSemicolon();\n  }\n\n  parseArrow(node) {\n    if (this.eat(types.arrow)) {\n      return node;\n    }\n
}\n\n  parseParenItem(node, startPos, startLoc) {\n    return node;\n  }\n\n  parseNewOrNewTarget() {\n    const
node = this.startNode();\n    this.next();\n\n    if (this.match(types.dot)) {\n      const meta =
this.createIdentifier(this.startNodeAtNode(node), "new");\n      this.next();\n      const metaProp =
this.parseMetaProperty(node, meta, "target");\n\n      if (!this.scope.inNonArrowFunction && !this.scope.inClass)
{\n        let error = ErrorMessages.UnexpectedNewTarget;\n\n        if (this.hasPlugin("classProperties")) {\n
error += " or class properties";\n        }\n\n        this.raise(metaProp.start, error);\n      }\n\n      return metaProp;\n
}\n\n      return this.parseNew(node);\n    }\n\n    parseNew(node) {\n      node.callee = this.parseNoCallExpr();\n\n      if
(node.callee.type === "Import") {\n        this.raise(node.callee.start,
ErrorMessages.ImportCallNotNewExpression);\n      } else if (node.callee.type === "OptionalMemberExpression" ||
node.callee.type === "OptionalCallExpression") {\n        this.raise(this.state.lastTokEnd,
ErrorMessages.OptionalChainingNoNew);\n      } else if (this.eat(types.questionDot)) {\n        this.raise(this.state.start,
ErrorMessages.OptionalChainingNoNew);\n      }\n\n      this.parseNewArguments(node);\n      return
this.finishNode(node, "NewExpression");\n    }\n\n    parseNewArguments(node) {\n      if (this.eat(types.parenL)) {\n
const args = this.parseExprList(types.parenR);\n      this.toReferencedList(args);\n      node.arguments = args;\n    }
else {\n      node.arguments = [];\n    }\n  }\n\n  parseTemplateElement(isTagged) {\n    const elem =
this.startNode();\n\n    if (this.state.value === null) {\n      if (!isTagged) {\n        this.raise(this.state.start + 1,
ErrorMessages.InvalidEscapeSequenceTemplate);\n      }\n    }\n\n    elem.value = {\n      raw:
this.input.slice(this.state.start, this.state.end).replace(/\\r\\n?/g, "\\n"),\n      cooked: this.state.value\n    };\n
this.next();\n    elem.tail = this.match(types.backQuote);\n    return this.finishNode(elem, "TemplateElement");\n  }\n\n  parseTemplate(isTagged) {\n    const node = this.startNode();\n    this.next();\n    node.expressions = [];\n    let
curElt = this.parseTemplateElement(isTagged);\n    node.quasis = [curElt];\n\n    while (!curElt.tail) {\n
this.expect(types.dollarBraceL);\n    node.expressions.push(this.parseTemplateSubstitution());\n
this.expect(types.braceR);\n    node.quasis.push(curElt = this.parseTemplateElement(isTagged));\n    }\n\n    this.next();\n    return this.finishNode(node, "TemplateLiteral");\n  }\n\n  parseTemplateSubstitution() {\n    return
this.parseExpression();\n  }\n\n  parseObjectLike(close, isPattern, isRecord, refExpressionErrors) {\n    if (isRecord)
{\n      this.expectPlugin("recordAndTuple");\n    }\n\n    const oldInFSharpPipelineDirectBody =
this.state.inFSharpPipelineDirectBody;\n    this.state.inFSharpPipelineDirectBody = false;\n    const propHash =
Object.create(null);\n    let first = true;\n    const node = this.startNode();\n    node.properties = [];\n    this.next();\n\n    while (!this.match(close)) {\n      if (first) {\n        first = false;\n      } else {\n        this.expect(types.comma);\n      }\n\n      if (this.match(close)) {\n        this.addExtra(node, "trailingComma", this.state.lastTokStart);\n        break;\n      }\n    }\n\n    const prop = this.parsePropertyDefinition(isPattern, refExpressionErrors);\n\n    if (!isPattern) {\n
this.checkProto(prop, isRecord, propHash, refExpressionErrors);\n    }\n\n    if (isRecord && prop.type !==

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"ObjectProperty" && prop.type !== "SpreadElement") {\n    this.raise(prop.start,
ErrorMessages.InvalidRecordProperty);\n    }\n\n    if (prop.shorthand) {\n    this.addExtra(prop, "shorthand",
true);\n    }\n\n    node.properties.push(prop);\n    }\n\n    this.state.exprAllowed = false;\n    this.next();\n    this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n    let type = "ObjectExpression";\n    if (isPattern) {\n    type = "ObjectPattern";\n    } else if (isRecord) {\n    type = "RecordExpression";\n    }\n\n    return this.finishNode(node, type);\n    }\n\n    maybeAsyncOrAccessorProp(prop) {\n    return !prop.computed &&
prop.key.type === "Identifier" && (this.isLiteralPropertyName() || this.match(types.bracketL) ||
this.match(types.star));\n    }\n\n    parsePropertyDefinition(isPattern, refExpressionErrors) {\n    let decorators =
[];\n\n    if (this.match(types.at)) {\n    if (this.hasPlugin("decorators")) {\n    this.raise(this.state.start,
ErrorMessages.UnsupportedPropertyDecorator);\n    }\n\n    while (this.match(types.at)) {\n
decorators.push(this.parseDecorator());\n    }\n\n    }\n\n    const prop = this.startNode();\n    let isGenerator = false;\n    let isAsync = false;\n    let isAccessor = false;\n    let startPos;\n    let startLoc;\n\n    if (this.match(types.ellipsis))
{\n    if (decorators.length) this.unexpected();\n\n    if (isPattern) {\n    this.next();\n    prop.argument =
this.parseIdentifier();\n    this.checkCommaAfterRest(125);\n    return this.finishNode(prop,
"RestElement");\n    }\n\n    return this.parseSpread();\n    }\n\n    if (decorators.length) {\n    prop.decorators =
decorators;\n    decorators = [];\n    }\n\n    prop.method = false;\n\n    if (isPattern || refExpressionErrors) {\n
startPos = this.state.start;\n    startLoc = this.state.startLoc;\n    }\n\n    if (!isPattern) {\n    isGenerator =
this.eat(types.star);\n    }\n\n    const containsEsc = this.state.containsEsc;\n    const key =
this.parsePropertyName(prop, false);\n\n    if (!isPattern && !isGenerator && !containsEsc &&
this.maybeAsyncOrAccessorProp(prop)) {\n    const keyName = key.name;\n\n    if (keyName === "async" &&
!this.hasPrecedingLineBreak()) {\n    isAsync = true;\n    isGenerator = this.eat(types.star);\n    this.parsePropertyName(prop, false);\n    }\n\n    if (keyName === "get" || keyName === "set") {\n
isAccessor = true;\n    prop.kind = keyName;\n\n    if (this.match(types.star)) {\n    isGenerator = true;\n
this.raise(this.state.pos, ErrorMessages.AccessorIsGenerator, keyName);\n    this.next();\n    }\n\n    this.parsePropertyName(prop, false);\n    }\n\n    }\n\n    this.parseObjPropValue(prop, startPos, startLoc,
isGenerator, isAsync, isPattern, isAccessor, refExpressionErrors);\n    return prop;\n    }\n\n    getGetterSetterExpectedParamCount(method) {\n    return method.kind === "get" ? 0 : 1;\n    }\n\n    getObjectOrClassMethodParams(method) {\n    return method.params;\n    }\n\n    checkGetterSetterParams(method)
{\n    var _params;\n\n    const paramCount = this.getGetterSetterExpectedParamCount(method);\n    const params =
this.getObjectOrClassMethodParams(method);\n    const start = method.start;\n\n    if (params.length !==
paramCount) {\n    if (method.kind === "get") {\n    this.raise(start, ErrorMessages.BadGetterArity);\n    }
else {\n    this.raise(start, ErrorMessages.BadSetterArity);\n    }\n\n    }\n\n    if (method.kind === "set" &&
((_params = params[params.length - 1]) == null ? void 0 : _params.type) === "RestElement") {\n
this.raise(start, ErrorMessages.BadSetterRestParameter);\n    }\n\n    }\n\n    parseObjectMethod(prop, isGenerator,
isAsync, isPattern, isAccessor) {\n    if (isAccessor) {\n    this.parseMethod(prop, isGenerator, false, false, false,
"ObjectMethod");\n    this.checkGetterSetterParams(prop);\n    return prop;\n    }\n\n    if (isAsync || isGenerator
|| this.match(types.parenL)) {\n    if (isPattern) this.unexpected();\n    prop.kind = "method";\n    prop.method =
true;\n    return this.parseMethod(prop, isGenerator, isAsync, false, false, "ObjectMethod");\n    }\n\n    }\n\n    parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors) {\n    prop.shorthand = false;\n\n    if
(this.eat(types.colon)) {\n    prop.value = isPattern ? this.parseMaybeDefault(this.state.start, this.state.startLoc) :
this.parseMaybeAssignAllowIn(refExpressionErrors);\n    return this.finishNode(prop, "ObjectProperty");\n    }\n\n    if (!prop.computed && prop.key.type === "Identifier") {\n    this.checkReservedWord(prop.key.name,
prop.key.start, true, false);\n\n    if (isPattern) {\n    prop.value = this.parseMaybeDefault(startPos, startLoc,
prop.key.__clone());\n    } else if (this.match(types.eq) && refExpressionErrors) {\n    if
(refExpressionErrors.shorthandAssign === -1) {\n    refExpressionErrors.shorthandAssign = this.state.start;\n    }\n\n    prop.value = this.parseMaybeDefault(startPos, startLoc, prop.key.__clone());\n    } else {\n
prop.value = prop.key.__clone();\n    }\n\n    prop.shorthand = true;\n    return this.finishNode(prop,
"ObjectProperty");\n    }\n\n    }\n\n    parseObjPropValue(prop, startPos, startLoc, isGenerator, isAsync, isPattern,

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isAccessor, refExpressionErrors) {\n  const node = this.parseObjectMethod(prop, isGenerator, isAsync, isPattern,
isAccessor) || this.parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors);\n  if (!node)
this.unexpected();\n  return node;\n  }\n\n  parsePropertyName(prop, isPrivateNameAllowed) {\n    if
(this.eat(types.bracketL)) {\n      prop.computed = true;\n      prop.key = this.parseMaybeAssignAllowIn();\n    }
this.expect(types.bracketR);\n  } else {\n    const oldInPropertyName = this.state.inPropertyName;\n    this.state.inPropertyName = true;\n    prop.key = this.match(types.num) || this.match(types.string) ||
this.match(types.bigint) || this.match(types.decimal) ? this.parseExprAtom() :
this.parseMaybePrivateName(isPrivateNameAllowed);\n\n    if (prop.key.type !== "PrivateName") {\n      prop.computed = false;\n    }\n\n    this.state.inPropertyName = oldInPropertyName;\n  }\n\n  return prop.key;\n  }\n\n  initFunction(node, isAsync) {\n    node.id = null;\n    node.generator = false;\n    node.async = !!isAsync;\n  }\n\n  parseMethod(node, isGenerator, isAsync, isConstructor, allowDirectSuper, type, inClassScope = false) {\n    this.initFunction(node, isAsync);\n    node.generator = !!isGenerator;\n    const allowModifiers = isConstructor;\n    this.scope.enter(SCOPE_FUNCTION | SCOPE_SUPER | (inClassScope ? SCOPE_CLASS : 0) | (allowDirectSuper
? SCOPE_DIRECT_SUPER : 0));\n    this.prodParam.enter(functionFlags(isAsync, node.generator));\n    this.parseFunctionParams(node, allowModifiers);\n    this.parseFunctionBodyAndFinish(node, type, true);\n    this.prodParam.exit();\n    this.scope.exit();\n    return node;\n  }\n\n  parseArrayLike(close, canBePattern, isTuple,
refExpressionErrors) {\n    if (isTuple) {\n      this.expectPlugin("recordAndTuple");\n    }\n\n    const
oldInFSharpPipelineDirectBody = this.state.inFSharpPipelineDirectBody;\n    this.state.inFSharpPipelineDirectBody = false;\n    const node = this.startNode();\n    this.next();\n    node.elements =
this.parseExprList(close, !isTuple, refExpressionErrors, node);\n    this.state.inFSharpPipelineDirectBody =
oldInFSharpPipelineDirectBody;\n    return this.finishNode(node, isTuple ? "TupleExpression" :
"ArrayExpression");\n  }\n\n  parseArrowExpression(node, params, isAsync, trailingCommaPos) {\n    this.scope.enter(SCOPE_FUNCTION | SCOPE_ARROW);\n    let flags = functionFlags(isAsync, false);\n    if
(!this.match(types.bracketL) && this.prodParam.hasIn) {\n      flags |= PARAM_IN;\n    }\n\n    this.prodParam.enter(flags);\n    this.initFunction(node, isAsync);\n    const oldMaybeInArrowParameters =
this.state.maybeInArrowParameters;\n\n    if (params) {\n      this.state.maybeInArrowParameters = true;\n      this.setArrowFunctionParameters(node, params, trailingCommaPos);\n    }\n\n    this.state.maybeInArrowParameters = false;\n    this.parseFunctionBody(node, true);\n    this.prodParam.exit();\n    this.scope.exit();\n    this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n    return
this.finishNode(node, "ArrowFunctionExpression");\n  }\n\n  setArrowFunctionParameters(node, params,
trailingCommaPos) {\n    node.params = this.toAssignableList(params, trailingCommaPos);\n  }\n\n  parseFunctionBodyAndFinish(node, type, isMethod = false) {\n    this.parseFunctionBody(node, false, isMethod);\n    this.finishNode(node, type);\n  }\n\n  parseFunctionBody(node, allowExpression, isMethod = false) {\n    const
isExpression = allowExpression && !this.match(types.braceL);\n    this.expressionScope.enter(newExpressionScope());\n\n    if (isExpression) {\n      node.body =
this.parseMaybeAssign();\n      this.checkParams(node, false, allowExpression, false);\n    } else {\n      const
oldStrict = this.state.strict;\n      const oldLabels = this.state.labels;\n      this.state.labels = [];\n      this.prodParam.enter(this.prodParam.currentFlags() | PARAM_RETURN);\n      node.body = this.parseBlock(true,
false, hasStrictModeDirective => {\n        const nonSimple = !this.isSimpleParamList(node.params);\n\n        if
(hasStrictModeDirective && nonSimple) {\n          const errorPos = (node.kind === "method" || node.kind ===
"constructor") && !node.key ? node.key.end : node.start;\n          this.raise(errorPos,
ErrorMessages.IllegalLanguageModeDirective);\n        }\n\n        const strictModeChanged = !oldStrict &&
this.state.strict;\n        this.checkParams(node, !this.state.strict && !allowExpression && !isMethod &&
!nonSimple, allowExpression, strictModeChanged);\n\n        if (this.state.strict && node.id) {\n          this.checkLVal(node.id, BIND_OUTSIDE, undefined, "function name", undefined, strictModeChanged);\n        }\n      });\n      this.prodParam.exit();\n      this.expressionScope.exit();\n      this.state.labels = oldLabels;\n    }\n  }\n\n  isSimpleParamList(params) {\n    for (let i = 0, len = params.length; i < len; i++) {\n      if (params[i].type !==
"Identifier") return false;\n    }\n\n    return true;\n  }\n\n  checkParams(node, allowDuplicates, isArrowFunction,

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strictModeChanged = true) {\n  const nameHash = Object.create(null);\n  for (let i = 0; i < node.params.length;\n  i++) {\n    this.checkLVal(node.params[i], BIND_VAR, allowDuplicates ? null : nameHash, \"function parameter\n  list\", undefined, strictModeChanged);\n  }\n}\n\n  parseExprList(close, allowEmpty, refExpressionErrors,\n  nodeForExtra) {\n    const elts = [];\n    let first = true;\n\n    while (!this.eat(close)) {\n      if (first) {\n        first =\n        false;\n      } else {\n        this.expect(types.comma);\n\n        if (this.match(close)) {\n          if (nodeForExtra) {\n            this.addExtra(nodeForExtra, \"trailingComma\", this.state.lastTokStart);\n          }\n          this.next();\n          break;\n        }\n      }\n\n      elts.push(this.parseExprListItem(allowEmpty, refExpressionErrors));\n    }\n\n    return\n    elts;\n  }\n\n  parseExprListItem(allowEmpty, refExpressionErrors, refNeedsArrowPos, allowPlaceholder) {\n    let\n    elt;\n\n    if (this.match(types.comma)) {\n      if (!allowEmpty) {\n        this.raise(this.state.pos,\n        ErrorMessages.UnexpectedToken, \",\");\n      }\n      elt = null;\n    } else if (this.match(types.ellipsis)) {\n      const spreadNodeStartPos = this.state.start;\n      const spreadNodeStartLoc = this.state.startLoc;\n      elt =\n      this.parseParenItem(this.parseSpread(refExpressionErrors, refNeedsArrowPos), spreadNodeStartPos,\n      spreadNodeStartLoc);\n    } else if (this.match(types.question)) {\n      this.expectPlugin(\"partialApplication\");\n      if (!allowPlaceholder) {\n        this.raise(this.state.start, ErrorMessages.UnexpectedArgumentPlaceholder);\n      }\n\n      const node = this.startNode();\n      this.next();\n      elt = this.finishNode(node,\n      \"ArgumentPlaceholder\");\n    } else {\n      elt = this.parseMaybeAssignAllowIn(refExpressionErrors,\n      this.parseParenItem, refNeedsArrowPos);\n    }\n\n    return elt;\n  }\n\n  parseIdentifier(liberal) {\n    const node =\n    this.startNode();\n    const name = this.parseIdentifierName(node.start, liberal);\n    return this.createIdentifier(node,\n    name);\n  }\n\n  createIdentifier(node, name) {\n    node.name = name;\n    node.loc.identifierName = name;\n    return this.finishNode(node, \"Identifier\");\n  }\n\n  parseIdentifierName(pos, liberal) {\n    let name;\n    const {\n    start,\n    type\n    } = this.state;\n\n    if (type === types.name) {\n      name = this.state.value;\n    } else if\n    (type.keyword) {\n      name = type.keyword;\n      const curContext = this.curContext();\n\n      if ((type ===\n      types._class || type === types._function) && (curContext === types.$1.functionStatement || curContext ===\n      types.$1.functionExpression)) {\n        this.state.context.pop();\n      }\n    } else {\n      throw this.unexpected();\n    }\n\n    if (liberal) {\n      this.state.type = types.name;\n    } else {\n      this.checkReservedWord(name, start,\n      !!type.keyword, false);\n    }\n\n    this.next();\n    return name;\n  }\n\n  checkReservedWord(word, startLoc,\n  checkKeywords, isBinding) {\n    if (this.prodParam.hasYield && word === \"yield\") {\n      this.raise(startLoc,\n      ErrorMessages.YieldBindingIdentifier);\n      return;\n    }\n\n    if (word === \"await\") {\n      if\n      (this.prodParam.hasAwait) {\n        this.raise(startLoc, ErrorMessages.AwaitBindingIdentifier);\n        return;\n      }\n    }\n\n    else {\n      this.expressionScope.recordAsyncArrowParametersError(startLoc,\n      ErrorMessages.AwaitBindingIdentifier);\n    }\n  }\n\n  if (this.scope.inClass &&\n  !this.scope.inNonArrowFunction && word === \"arguments\") {\n    this.raise(startLoc,\n    ErrorMessages.ArgumentsInClass);\n    return;\n  }\n\n  if (checkKeywords && isKeyword(word)) {\n    this.raise(startLoc, ErrorMessages.UnexpectedKeyword, word);\n    return;\n  }\n\n  const reservedTest =\n  !this.state.strict ? isReservedWord : isBinding ? isStrictBindReservedWord : isStrictReservedWord;\n\n  if\n  (reservedTest(word, this.inModule)) {\n    if (!this.prodParam.hasAwait && word === \"await\") {\n      this.raise(startLoc, this.hasPlugin(\"topLevelAwait\") ? ErrorMessages.AwaitNotInAsyncContext :\n      ErrorMessages.AwaitNotInAsyncFunction);\n    } else {\n      this.raise(startLoc,\n      ErrorMessages.UnexpectedReservedWord, word);\n    }\n  }\n\n  isAwaitAllowed() {\n    if\n    (this.scope.inFunction) return this.prodParam.hasAwait;\n    if (this.options.allowAwaitOutsideFunction) return\n    true;\n\n    if (this.hasPlugin(\"topLevelAwait\")) {\n      return this.inModule && this.prodParam.hasAwait;\n    }\n\n    return false;\n  }\n\n  parseAwait() {\n    const node = this.startNode();\n    this.next();\n\n    this.expressionScope.recordParameterInitializerError(node.start,\n    ErrorMessages.AwaitExpressionFormalParameter);\n\n    if (this.eat(types.star)) {\n      this.raise(node.start,\n      ErrorMessages.ObsoleteAwaitStar);\n    }\n\n    if (!this.scope.inFunction &&\n    !this.options.allowAwaitOutsideFunction) {\n      if (this.hasPrecedingLineBreak() || this.match(types.plusMin) ||\n      this.match(types.parenL) || this.match(types.bracketL) || this.match(types.backQuote) || this.match(types.regexp) ||\n      this.match(types.slash) || this.hasPlugin(\"v8intrinsic\") && this.match(types.modulo)) {\n

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this.ambiguousScriptDifferentAst = true;\n    } else {\n        this.sawUnambiguousESM = true;\n    }\n}\n\n if
(!this.state.soloAwait) {\n    node.argument = this.parseMaybeUnary();\n }\n\n return this.finishNode(node,
\"AwaitExpression\");\n }\n\n parseYield() {\n    const node = this.startNode();\n
this.expressionScope.recordParameterInitializerError(node.start, ErrorMessages.YieldInParameter);\n
this.next();\n\n    if (this.match(types.semi) || !this.match(types.star) && !this.state.type.startsExpr ||
this.hasPrecedingLineBreak()) {\n        node.delegate = false;\n        node.argument = null;\n    } else {\n
node.delegate = this.eat(types.star);\n        node.argument = this.parseMaybeAssign();\n    }\n\n    return
this.finishNode(node, \"YieldExpression\");\n }\n\n    checkPipelineAtInfixOperator(left, leftStartPos) {\n    if
(this.getPluginOption(\"pipelineOperator\", \"proposal\") === \"smart\") {\n        if (left.type ===
\"SequenceExpression\") {\n            this.raise(leftStartPos, ErrorMessages.PipelineHeadSequenceExpression);\n        }\n
}\n}\n\n    parseSmartPipelineBody(childExpression, startPos, startLoc) {\n
this.checkSmartPipelineBodyEarlyErrors(childExpression, startPos);\n    return
this.parseSmartPipelineBodyInStyle(childExpression, startPos, startLoc);\n }\n\n    checkSmartPipelineBodyEarlyErrors(childExpression, startPos) {\n    if (this.match(types.arrow)) {\n        throw
this.raise(this.state.start, ErrorMessages.PipelineBodyNoArrow);\n    } else if (childExpression.type ===
\"SequenceExpression\") {\n        this.raise(startPos, ErrorMessages.PipelineBodySequenceExpression);\n    }\n}\n}\n\n    parseSmartPipelineBodyInStyle(childExpression, startPos, startLoc) {\n    const bodyNode =
this.startNodeAt(startPos, startLoc);\n    const isSimpleReference = this.isSimpleReference(childExpression);\n\n    if (isSimpleReference) {\n        bodyNode.callee = childExpression;\n    } else {\n        if
(!this.topicReferenceWasUsedInCurrentTopicContext()) {\n            this.raise(startPos,
ErrorMessages.PipelineTopicUnused);\n        }\n\n        bodyNode.expression = childExpression;\n    }\n\n    return
this.finishNode(bodyNode, isSimpleReference ? \"PipelineBareFunction\" : \"PipelineTopicExpression\");\n }\n\n    isSimpleReference(expression) {\n    switch (expression.type) {\n        case \"MemberExpression\":\n            return
!expression.computed && this.isSimpleReference(expression.object);\n\n        case \"Identifier\":\n            return
true;\n\n        default:\n            return false;\n    }\n}\n}\n\n    withTopicPermittingContext(callback) {\n    const
outerContextTopicState = this.state.topicContext;\n    this.state.topicContext = {\n        maxNumOfResolvableTopics:
1,\n        maxTopicIndex: null\n    };\n\n    try {\n        return callback();\n    } finally {\n        this.state.topicContext =
outerContextTopicState;\n    }\n}\n\n    withTopicForbiddingContext(callback) {\n    const outerContextTopicState
= this.state.topicContext;\n    this.state.topicContext = {\n        maxNumOfResolvableTopics: 0,\n        maxTopicIndex:
null\n    };\n\n    try {\n        return callback();\n    } finally {\n        this.state.topicContext = outerContextTopicState;\n
}\n}\n\n    withSoloAwaitPermittingContext(callback) {\n    const outerContextSoloAwaitState =
this.state.soloAwait;\n    this.state.soloAwait = true;\n\n    try {\n        return callback();\n    } finally {\n
this.state.soloAwait = outerContextSoloAwaitState;\n    }\n}\n\n    allowInAnd(callback) {\n    const flags =
this.prodParam.currentFlags();\n    const prodParamToSet = PARAM_IN & ~flags;\n\n    if (prodParamToSet) {\n
this.prodParam.enter(flags | PARAM_IN);\n\n        try {\n            return callback();\n        } finally {\n
this.prodParam.exit();\n        }\n    }\n\n    return callback();\n }\n\n    disallowInAnd(callback) {\n    const flags =
this.prodParam.currentFlags();\n    const prodParamToClear = PARAM_IN & flags;\n\n    if (prodParamToClear)
{\n        this.prodParam.enter(flags & ~PARAM_IN);\n\n        try {\n            return callback();\n        } finally {\n
this.prodParam.exit();\n        }\n    }\n\n    return callback();\n }\n\n    registerTopicReference() {\n
this.state.topicContext.maxTopicIndex = 0;\n }\n\n    primaryTopicReferenceIsAllowedInCurrentTopicContext() {\n
return this.state.topicContext.maxNumOfResolvableTopics >= 1;\n }\n\n    topicReferenceWasUsedInCurrentTopicContext() {\n    return this.state.topicContext.maxTopicIndex != null &&
this.state.topicContext.maxTopicIndex >= 0;\n }\n\n    parseFSharpPipelineBody(prec) {\n    const startPos =
this.state.start;\n    const startLoc = this.state.startLoc;\n    this.state.potentialArrowAt = this.state.start;\n    const
oldInFSharpPipelineDirectBody = this.state.inFSharpPipelineDirectBody;\n
this.state.inFSharpPipelineDirectBody = true;\n    const ret = this.parseExprOp(this.parseMaybeUnary(), startPos,
startLoc, prec);\n    this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n    return ret;\n
}\n\n}\n\nconst loopLabel = {\n    kind: \"loop\"\n},\n    switchLabel = {\n    kind: \"switch\"\n};\nconst

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FUNC_NO_FLAGS = 0b000,\n    FUNC_STATEMENT = 0b001,\n    FUNC_HANGING_STATEMENT =
0b010,\n    FUNC_NULLABLE_ID = 0b100;\nconst loneSurrogate = /[\uD800-\uDFFF]/u;\n\nclass
StatementParser extends ExpressionParser {\n  parseTopLevel(file, program) {\n    program.sourceType =
this.options.sourceType;\n    program.interpreter = this.parseInterpreterDirective();\n
this.parseBlockBody(program, true, true, types.eof);\n\n    if (this.inModule &&
!this.options.allowUndeclaredExports && this.scope.undefinedExports.size > 0) {\n      for (let _i = 0, _Array$from
= Array.from(this.scope.undefinedExports); _i < _Array$from.length; _i++) {\n        const [name] =
_Array$from[_i];\n        const pos = this.scope.undefinedExports.get(name);\n        this.raise(pos,
ErrorMessages.ModuleExportUndefined, name);\n      }\n    }\n\n    file.program = this.finishNode(program,
"Program");\n    file.comments = this.state.comments;\n    if (this.options.tokens) file.tokens = this.tokens;\n
return this.finishNode(file, "File");\n  }\n\n  stmtToDirective(stmt) {\n    const expr = stmt.expression;\n    const
directiveLiteral = this.startNodeAt(expr.start, expr.loc.start);\n    const directive = this.startNodeAt(stmt.start,
stmt.loc.start);\n    const raw = this.input.slice(expr.start, expr.end);\n    const val = directiveLiteral.value =
raw.slice(1, -1);\n    this.addExtra(directiveLiteral, "raw", raw);\n    this.addExtra(directiveLiteral, "rawValue",
val);\n    directive.value = this.finishNodeAt(directiveLiteral, "DirectiveLiteral", expr.end, expr.loc.end);\n    return
this.finishNodeAt(directive, "Directive", stmt.end, stmt.loc.end);\n  }\n\n  parseInterpreterDirective() {\n    if
(!this.match(types.interpreterDirective)) {\n      return null;\n    }\n\n    const node = this.startNode();\n    node.value
= this.state.value;\n    this.next();\n    return this.finishNode(node, "InterpreterDirective");\n  }\n\n  isLet(context)
{\n    if (!this.isContextual("let")) {\n      return false;\n    }\n\n    const next = this.nextTokenStart();\n    const
nextCh = this.input.charCodeAt(next);\n    if (nextCh === 91) return true;\n    if (context) return false;\n    if (nextCh
=== 123) return true;\n\n    if (isIdentifierStart(nextCh)) {\n      let pos = next + 1;\n\n      while
(isIdentifierChar(this.input.charCodeAt(pos))) {\n        ++pos;\n      }\n\n      const ident = this.input.slice(next,
pos);\n      if (!keywordRelationalOperator.test(ident)) return true;\n    }\n\n    return false;\n  }\n\n  parseStatement(context, topLevel) {\n    if (this.match(types.at)) {\n      this.parseDecorators(true);\n    }\n\n    return
this.parseStatementContent(context, topLevel);\n  }\n\n  parseStatementContent(context, topLevel) {\n    let
starttype = this.state.type;\n    const node = this.startNode();\n    let kind;\n\n    if (this.isLet(context)) {\n     
starttype = types._var;\n      kind = "let";\n    }\n\n    switch (starttype) {\n      case types._break:\n      case
types._continue:\n        return this.parseBreakContinueStatement(node, starttype.keyword);\n\n      case
types._debugger:\n        return this.parseDebuggerStatement(node);\n\n      case types._do:\n        return
this.parseDoStatement(node);\n\n      case types._for:\n        return this.parseForStatement(node);\n\n      case
types._function:\n        if (this.lookaheadCharCode() === 46) break;\n\n        if (context) {\n          if (this.state.strict)
{\n            this.raise(this.state.start, ErrorMessages.StrictFunction);\n          } else if (context !== "if" && context
!== "label") {\n            this.raise(this.state.start, ErrorMessages.SloppyFunction);\n          }\n        }\n\n        return
this.parseFunctionStatement(node, false, !context);\n\n      case types._class:\n        if (context) this.unexpected();\n        return
this.parseClass(node, true);\n\n      case types._if:\n        return this.parseIfStatement(node);\n\n      case
types._return:\n        return this.parseReturnStatement(node);\n\n      case types._switch:\n        return
this.parseSwitchStatement(node);\n\n      case types._throw:\n        return this.parseThrowStatement(node);\n\n      case
types._try:\n        return this.parseTryStatement(node);\n\n      case types._const:\n      case types._var:\n        kind = kind || this.state.value;\n\n        if (context && kind !== "var") {\n          this.raise(this.state.start,
ErrorMessages.UnexpectedLexicalDeclaration);\n        }\n\n        return this.parseVarStatement(node, kind);\n\n      case
types._while:\n        return this.parseWhileStatement(node);\n\n      case types._with:\n        return
this.parseWithStatement(node);\n\n      case types.braceL:\n        return this.parseBlock();\n\n      case types.semi:\n
return this.parseEmptyStatement(node);\n\n      case types._import:\n        {\n          const nextTokenCharCode =
this.lookaheadCharCode();\n          if (nextTokenCharCode === 40 || nextTokenCharCode === 46) {\n            break;\n          }\n        }\n\n      case types._export:\n        {\n          if (!this.options.allowImportExportEverywhere
&& !topLevel) {\n            this.raise(this.state.start, ErrorMessages.UnexpectedImportExport);\n          }\n        }\n\n        this.next();\n        let result;\n\n        if (starttype === types._import) {\n          result =
this.parseImport(node);\n\n          if (result.type === "ImportDeclaration" && (!result.importKind ||

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result.importKind === "value")) {\n      this.sawUnambiguousESM = true;\n    } else {\n
result = this.parseExport(node);\n    if (result.type === "ExportNamedDeclaration" && (!result.exportKind
|| result.exportKind === "value") || result.type === "ExportAllDeclaration" && (!result.exportKind ||
result.exportKind === "value") || result.type === "ExportDefaultDeclaration") {\n
this.sawUnambiguousESM = true;\n    }\n    this.assertModuleNodeAllowed(node);\n
return result;\n  }\n  default:\n    {\n      if (this.isAsyncFunction()) {\n        if (context) {\n
this.raise(this.state.start, ErrorMessages.AsyncFunctionInSingleStatementContext);\n        }\n
this.next();\n        return this.parseFunctionStatement(node, true, !context);\n      }\n    }\n    const
maybeName = this.state.value;\n    const expr = this.parseExpression();\n    if (startType === types.name &&
expr.type === "Identifier" && this.eat(types.colon)) {\n      return this.parseLabeledStatement(node, maybeName,
expr, context);\n    } else {\n      return this.parseExpressionStatement(node, expr);\n    }\n  }\n  assertModuleNodeAllowed(node) {\n    if (!this.options.allowImportExportEverywhere && !this.inModule) {\n
this.raiseWithData(node.start, {\n      code: "BABEL_PARSER_SOURCETYPE_MODULE_REQUIRED"\n    }, ErrorMessages.ImportOutsideModule);\n    }\n  }\n  takeDecorators(node) {\n    const decorators =
this.state.decoratorStack[this.state.decoratorStack.length - 1];\n    if (decorators.length) {\n      node.decorators =
decorators;\n      this.resetStartLocationFromNode(node, decorators[0]);\n
this.state.decoratorStack[this.state.decoratorStack.length - 1] = [];\n    }\n    canHaveLeadingDecorator() {\n
return this.match(types._class);\n    }\n    parseDecorators(allowExport) {\n      const currentContextDecorators =
this.state.decoratorStack[this.state.decoratorStack.length - 1];\n      while (this.match(types.at)) {\n        const
decorator = this.parseDecorator();\n        currentContextDecorators.push(decorator);\n      }\n      if
(this.match(types._export)) {\n        if (!allowExport) {\n          this.unexpected();\n        }\n        if
(this.hasPlugin("decorators") && !this.getPluginOption("decorators", "decoratorsBeforeExport")) {\n
this.raise(this.state.start, ErrorMessages.DecoratorExportClass);\n        }\n      } else if
(!this.canHaveLeadingDecorator()) {\n        throw this.raise(this.state.start,
ErrorMessages.UnexpectedLeadingDecorator);\n      }\n    }\n    parseDecorator() {\n
this.expectOnePlugin(["decorators-legacy", "decorators"]); \n    const node = this.startNode();\n    this.next();\n
if (this.hasPlugin("decorators")) {\n      this.state.decoratorStack.push([]);\n      const startPos = this.state.start;\n
const startLoc = this.state.startLoc;\n      let expr;\n      if (this.eat(types.parenL)) {\n        expr =
this.parseExpression();\n        this.expect(types.parenR);\n      } else {\n        expr = this.parseIdentifier(false);\n
while (this.eat(types.dot)) {\n          const node = this.startNodeAt(startPos, startLoc);\n          node.object = expr;\n
          node.property = this.parseIdentifier(true);\n          node.computed = false;\n          expr = this.finishNode(node,
"MemberExpression");\n        }\n      }\n      node.expression = this.parseMaybeDecoratorArguments(expr);\n
this.state.decoratorStack.pop();\n    } else {\n      node.expression = this.parseExprSubscripts();\n    }\n    return
this.finishNode(node, "Decorator");\n  }\n  parseMaybeDecoratorArguments(expr) {\n    if
(this.eat(types.parenL)) {\n      const node = this.startNodeAtNode(expr);\n      node.callee = expr;\n
node.arguments = this.parseCallExpressionArguments(types.parenR, false);\n
this.toReferencedList(node.arguments);\n      return this.finishNode(node, "CallExpression");\n    }\n    return
expr;\n  }\n  parseBreakContinueStatement(node, keyword) {\n    const isBreak = keyword === "break";\n
this.next();\n    if (this.isLineTerminator()) {\n      node.label = null;\n    } else {\n      node.label =
this.parseIdentifier();\n      this.semicolon();\n    }\n    this.verifyBreakContinue(node, keyword);\n    return
this.finishNode(node, isBreak ? "BreakStatement" : "ContinueStatement");\n  }\n  verifyBreakContinue(node,
keyword) {\n    const isBreak = keyword === "break";\n    let i;\n    for (i = 0; i < this.state.labels.length; ++i) {\n
      const lab = this.state.labels[i];\n      if (node.label == null || lab.name === node.label.name) {\n        if (lab.kind
!= null && (isBreak || lab.kind === "loop")) break;\n        if (node.label && isBreak) break;\n      }\n    }\n    if (i
=== this.state.labels.length) {\n      this.raise(node.start, ErrorMessages.IllegalBreakContinue, keyword);\n    }\n
  }\n  parseDebuggerStatement(node) {\n    this.next();\n    this.semicolon();\n    return this.finishNode(node,
"DebuggerStatement");\n  }\n  parseHeaderExpression() {\n    this.expect(types.parenL);\n    const val =
this.parseExpression();\n    this.expect(types.parenR);\n    return val;\n  }\n  parseDoStatement(node) {\n

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this.next();\n  this.state.labels.push(loopLabel);\n  node.body = this.withTopicForbiddingContext(() =>
this.parseStatement("do")); \n  this.state.labels.pop();\n  this.expect(types._while);\n  node.test =
this.parseHeaderExpression();\n  this.eat(types.semi);\n  return this.finishNode(node, "DoWhileStatement");\n}
\n\n parseForStatement(node) {\n  this.next();\n  this.state.labels.push(loopLabel);\n  let awaitAt = -1;\n  \n  if
(this.isAwaitAllowed() && this.eatContextual("await")) {\n    awaitAt = this.state.lastTokStart;\n  }\n  \n  this.scope.enter(SCOPE_OTHER);\n  this.expect(types.parenL);\n  \n  if (this.match(types.semi)) {\n    if
(awaitAt > -1) {\n      this.unexpected(awaitAt);\n    }\n    \n    return this.parseFor(node, null);\n  }\n  \n  const
isLet = this.isLet();\n  \n  if (this.match(types._var) || this.match(types._const) || isLet) {\n    const init =
this.startNode();\n    const kind = isLet ? "let" : this.state.value;\n    this.next();\n    this.parseVar(init, true,
kind);\n    this.finishNode(init, "VariableDeclaration");\n    \n    if ((this.match(types._in) ||
this.isContextual("of")) && init.declarations.length === 1) {\n      return this.parseForIn(node, init, awaitAt);\n    }
\n    \n    if (awaitAt > -1) {\n      this.unexpected(awaitAt);\n    }\n    \n    return this.parseFor(node, init);\n  }\n  \n  const
refExpressionErrors = new ExpressionErrors();\n  const init = this.parseExpression(true,
refExpressionErrors);\n  \n  if (this.match(types._in) || this.isContextual("of")) {\n    this.toAssignable(init);\n    const
description = this.isContextual("of") ? "for-of statement" : "for-in statement";\n    this.checkLVal(init,
undefined, undefined, description);\n    return this.parseForIn(node, init, awaitAt);\n  } else {\n    this.checkExpressionErrors(refExpressionErrors, true);\n  }\n  \n  if (awaitAt > -1) {\n    this.unexpected(awaitAt);\n  }\n  \n  return this.parseFor(node, init);\n}
\n\n parseFunctionStatement(node,
isAsync, declarationPosition) {\n  this.next();\n  return this.parseFunction(node, FUNC_STATEMENT |
(declarationPosition ? 0 : FUNC_HANGING_STATEMENT), isAsync);\n}
\n\n parseIfStatement(node) {\n  this.next();\n  node.test = this.parseHeaderExpression();\n  node.consequent = this.parseStatement("if");\n  node.alternate = this.eat(types._else) ? this.parseStatement("if") : null;\n  return this.finishNode(node,
"IfStatement");\n}
\n\n parseReturnStatement(node) {\n  if (!this.prodParam.hasReturn &&
!this.options.allowReturnOutsideFunction) {\n    this.raise(this.state.start, ErrorMessages.IllegalReturn);\n  }\n  \n  this.next();\n  \n  if (this.isLineTerminator()) {\n    node.argument = null;\n  } else {\n    node.argument =
this.parseExpression();\n    this.semicolon();\n  }\n  \n  return this.finishNode(node, "ReturnStatement");\n}
\n\n parseSwitchStatement(node) {\n  this.next();\n  node.discriminant = this.parseHeaderExpression();\n  const cases
= node.cases = [];\n  this.expect(types.braceL);\n  this.state.labels.push(switchLabel);\n  this.scope.enter(SCOPE_OTHER);\n  let cur;\n  \n  for (let sawDefault; !this.match(types.braceR);) {\n    if
(this.match(types._case) || this.match(types._default)) {\n      const isCase = this.match(types._case);\n      if (cur)
this.finishNode(cur, "SwitchCase");\n      cases.push(cur = this.startNode());\n      cur.consequent = [];\n      this.next();\n      \n      if (isCase) {\n        cur.test = this.parseExpression();\n      } else {\n        if (sawDefault) {\n          this.raise(this.state.lastTokStart, ErrorMessages.MultipleDefaultsInSwitch);\n        }\n        \n        sawDefault =
true;\n        cur.test = null;\n      }\n      \n      this.expect(types.colon);\n    } else {\n      if (cur) {\n        cur.consequent.push(this.parseStatement(null));\n      } else {\n        this.unexpected();\n      }\n    }\n  }\n  \n  this.scope.exit();\n  if (cur) this.finishNode(cur, "SwitchCase");\n  this.next();\n  this.state.labels.pop();\n  return this.finishNode(node, "SwitchStatement");\n}
\n\n parseThrowStatement(node) {\n  this.next();\n  \n  if
(this.hasPrecedingLineBreak()) {\n    this.raise(this.state.lastTokEnd, ErrorMessages.NewlineAfterThrow);\n  }\n  \n  node.argument = this.parseExpression();\n  this.semicolon();\n  return this.finishNode(node,
"ThrowStatement");\n}
\n\n parseCatchClauseParam() {\n  const param = this.parseBindingAtom();\n  const
simple = param.type === "Identifier";\n  this.scope.enter(simple ? SCOPE_SIMPLE_CATCH : 0);\n  this.checkLVal(param, BIND_LEXICAL, null, "catch clause");\n  return param;\n}
\n\n parseTryStatement(node) {\n  this.next();\n  node.block = this.parseBlock();\n  node.handler = null;\n  \n  if
(this.match(types._catch)) {\n    const clause = this.startNode();\n    this.next();\n    \n    if
(this.match(types.parenL)) {\n      this.expect(types.parenL);\n      clause.param =
this.parseCatchClauseParam();\n      this.expect(types.parenR);\n    } else {\n      clause.param = null;\n    }\n    \n    this.scope.enter(SCOPE_OTHER);\n    \n    clause.body = this.withTopicForbiddingContext(() =>
this.parseBlock(false, false));\n    this.scope.exit();\n    node.handler = this.finishNode(clause, "CatchClause");\n  }
}

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    }\n\n    node.finalizer = this.eat(types._finally) ? this.parseBlock() : null;\n\n    if (!node.handler &&
!node.finalizer) {\n    this.raise(node.start, ErrorMessages.NoCatchOrFinally);\n    }\n\n    return
this.finishNode(node, \"TryStatement\");\n  }\n\n  parseVarStatement(node, kind) {\n    this.next();\n    this.parseVar(node, false, kind);\n    this.semicolon();\n    return this.finishNode(node, \"VariableDeclaration\");\n  }\n\n  parseWhileStatement(node) {\n    this.next();\n    node.test = this.parseHeaderExpression();\n    this.state.labels.push(loopLabel);\n    node.body = this.withTopicForbiddingContext(() =>
this.parseStatement(\"while\");\n    this.state.labels.pop();\n    return this.finishNode(node, \"WhileStatement\");\n  }\n\n  parseWithStatement(node) {\n    if (this.state.strict) {\n      this.raise(this.state.start,
ErrorMessages.StrictWith);\n    }\n\n    this.next();\n    node.object = this.parseHeaderExpression();\n    node.body =
this.withTopicForbiddingContext(() => this.parseStatement(\"with\");\n    return this.finishNode(node,
\"WithStatement\");\n  }\n\n  parseEmptyStatement(node) {\n    this.next();\n    return this.finishNode(node,
\"EmptyStatement\");\n  }\n\n  parseLabeledStatement(node, maybeName, expr, context) {\n    for (let _i2 = 0,
_this$state$labels = this.state.labels; _i2 < _this$state$labels.length; _i2++) {\n      const label =
_this$state$labels[_i2];\n\n      if (label.name === maybeName) {\n        this.raise(expr.start,
ErrorMessages.LabelRedeclaration, maybeName);\n      }\n    }\n\n    const kind = this.state.type.isLoop ? \"loop\" :
this.match(types._switch) ? \"switch\" : null;\n\n    for (let i = this.state.labels.length - 1; i >= 0; i--) {\n      const
label = this.state.labels[i];\n\n      if (label.statementStart === node.start) {\n        label.statementStart =
this.state.start;\n        label.kind = kind;\n      } else {\n        break;\n      }\n    }\n\n    this.state.labels.push({\n    name: maybeName,\n    kind: kind,\n    statementStart: this.state.start\n    });\n    node.body =
this.parseStatement(context ? context.indexOf(\"label\") === -1 ? context + \"label\" : context : \"label\");\n    this.state.labels.pop();\n    node.label = expr;\n    return this.finishNode(node, \"LabeledStatement\");\n  }\n\n  parseExpressionStatement(node, expr) {\n    node.expression = expr;\n    this.semicolon();\n    return
this.finishNode(node, \"ExpressionStatement\");\n  }\n\n  parseBlock(allowDirectives = false,
createNewLexicalScope = true, afterBlockParse) {\n    const node = this.startNode();\n    this.expect(types.braceL);\n\n    if (createNewLexicalScope) {\n      this.scope.enter(SCOPE_OTHER);\n    }\n\n    this.parseBlockBody(node, allowDirectives, false, types.braceR, afterBlockParse);\n\n    if
(createNewLexicalScope) {\n      this.scope.exit();\n    }\n\n    return this.finishNode(node, \"BlockStatement\");\n  }\n\n  isValidDirective(stmt) {\n    return stmt.type === \"ExpressionStatement\" && stmt.expression.type ===
\"StringLiteral\" && !stmt.expression.extra.parenthesized;\n  }\n\n  parseBlockBody(node, allowDirectives,
topLevel, end, afterBlockParse) {\n    const body = node.body = [];\n    const directives = node.directives = [];\n    this.parseBlockOrModuleBlockBody(body, allowDirectives ? directives : undefined, topLevel, end,
afterBlockParse);\n  }\n\n  parseBlockOrModuleBlockBody(body, directives, topLevel, end, afterBlockParse) {\n    const octalPositions = [];\n    const oldStrict = this.state.strict;\n    let hasStrictModeDirective = false;\n    let
parsedNonDirective = false;\n\n    while (!this.match(end)) {\n      if (!parsedNonDirective &&
this.state.octalPositions.length) {\n        octalPositions.push(...this.state.octalPositions);\n      }\n\n      const stmt =
this.parseStatement(null, topLevel);\n\n      if (directives && !parsedNonDirective && this.isValidDirective(stmt))
{\n        const directive = this.stmtToDirective(stmt);\n        directives.push(directive);\n\n        if
(!hasStrictModeDirective && directive.value.value === \"use strict\") {\n          hasStrictModeDirective = true;\n          this.setStrict(true);\n        }\n\n        continue;\n      }\n\n      parsedNonDirective = true;\n      body.push(stmt);\n    }\n\n    if (this.state.strict && octalPositions.length) {\n      for (let _i3 = 0; _i3 < octalPositions.length; _i3++) {\n        const pos = octalPositions[_i3];\n        this.raise(pos, ErrorMessages.StrictOctalLiteral);\n      }\n    }\n\n    if
(afterBlockParse) {\n      afterBlockParse.call(this, hasStrictModeDirective);\n    }\n\n    if (!oldStrict) {\n      this.setStrict(false);\n    }\n\n    this.next();\n  }\n\n  parseFor(node, init) {\n    node.init = init;\n    this.expect(types.semi);\n    node.test = this.match(types.semi) ? null : this.parseExpression();\n    this.expect(types.semi);\n    node.update = this.match(types.parenR) ? null : this.parseExpression();\n    this.expect(types.parenR);\n    node.body = this.withTopicForbiddingContext(() => this.parseStatement(\"for\");\n    this.scope.exit();\n    this.state.labels.pop();\n    return this.finishNode(node, \"ForStatement\");\n  }\n\n  parseForIn(node, init, awaitAt) {\n    const isForIn = this.match(types._in);\n    this.next();\n\n    if (isForIn) {\n      if

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(awaitAt > -1) this.unexpected(awaitAt);\n } else {\n   node.await = awaitAt > -1;\n }\n\n if (init.type ===
\"VariableDeclaration\" && init.declarations[0].init !== null && (!isForIn || this.state.strict || init.kind !== \"var\" ||
init.declarations[0].id.type !== \"Identifier\")) {\n   this.raise(init.start, ErrorMessages.ForInOfLoopInitializer,
isForIn ? \"for-in\" : \"for-of\");\n } else if (init.type === \"AssignmentPattern\") {\n   this.raise(init.start,
ErrorMessages.InvalidLhs, \"for-loop\");\n }\n\n node.left = init;\n node.right = isForIn ?
this.parseExpression() : this.parseMaybeAssignAllowIn();\n this.expect(types.parenR);\n node.body =
this.withTopicForbiddingContext(() => this.parseStatement(\"for\"));\n this.scope.exit();\n
this.state.labels.pop();\n return this.finishNode(node, isForIn ? \"ForInStatement\" : \"ForOfStatement\");\n }\n\n
parseVar(node, isFor, kind) {\n   const declarations = node.declarations = [];\n   const isTypescript =
this.hasPlugin(\"typescript\");\n   node.kind = kind;\n\n   for (;;) {\n     const decl = this.startNode();\n     this.parseVarId(decl, kind);\n     if (this.eat(types.eq)) {\n       decl.init = isFor ?
this.parseMaybeAssignDisallowIn() : this.parseMaybeAssignAllowIn();\n     } else {\n       if (kind === \"const\"
&& !(this.match(types._in) || this.isContextual(\"of\"))) {\n         if (!isTypescript) {\n
this.raise(this.state.lastTokEnd, ErrorMessages.DeclarationMissingInitializer, \"Const declarations\");\n         }\n
} else if (decl.id.type !== \"Identifier\" && !(isFor && (this.match(types._in) || this.isContextual(\"of\")))) {\n
this.raise(this.state.lastTokEnd, ErrorMessages.DeclarationMissingInitializer, \"Complex binding patterns\");\n
}\n\n     decl.init = null;\n     }\n\n     declarations.push(this.finishNode(decl, \"VariableDeclarator\"));\n     if
(!this.eat(types.comma)) break;\n   }\n\n   return node;\n }\n\n parseVarId(decl, kind) {\n   decl.id =
this.parseBindingAtom();\n   this.checkLVal(decl.id, kind === \"var\" ? BIND_VAR : BIND_LEXICAL,
undefined, \"variable declaration\", kind !== \"var\");\n }\n\n parseFunction(node, statement =
FUNC_NO_FLAGS, isAsync = false) {\n   const isStatement = statement & FUNC_STATEMENT;\n   const
isHangingStatement = statement & FUNC_HANGING_STATEMENT;\n   const requireId = !!isStatement &&
!(statement & FUNC_NULLABLE_ID);\n   this.initFunction(node, isAsync);\n\n   if (this.match(types.star) &&
isHangingStatement) {\n     this.raise(this.state.start, ErrorMessages.GeneratorInSingleStatementContext);\n   }\n\n
node.generator = this.eat(types.star);\n\n   if (isStatement) {\n     node.id = this.parseFunctionId(requireId);\n
}\n\n   const oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n   this.state.maybeInArrowParameters = false;\n   this.scope.enter(SCOPE_FUNCTION);\n
this.prodParam.enter(functionFlags(isAsync, node.generator));\n\n   if (!isStatement) {\n     node.id =
this.parseFunctionId();\n   }\n\n   this.parseFunctionParams(node, false);\n   this.withTopicForbiddingContext(()
=> {\n     this.parseFunctionBodyAndFinish(node, isStatement ? \"FunctionDeclaration\" :
\"FunctionExpression\");\n   });\n   this.prodParam.exit();\n   this.scope.exit();\n\n   if (isStatement &&
!isHangingStatement) {\n     this.registerFunctionStatementId(node);\n   }\n\n   this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n   return node;\n }\n\n
parseFunctionId(requireId) {\n   return requireId || this.match(types.name) ? this.parseIdentifier() : null;\n }\n\n
parseFunctionParams(node, allowModifiers) {\n   this.expect(types.parenL);\n   this.expressionScope.enter(newParameterDeclarationScope());\n   node.params =
this.parseBindingList(types.parenR, 41, false, allowModifiers);\n   this.expressionScope.exit();\n }\n\n
registerFunctionStatementId(node) {\n   if (!node.id) return;\n   this.scope.declareName(node.id.name,
this.state.strict || node.generator || node.async ? this.scope.treatFunctionsAsVar ? BIND_VAR : BIND_LEXICAL :
BIND_FUNCTION, node.id.start);\n }\n\n parseClass(node, isStatement, optionalId) {\n   this.next();\n
this.takeDecorators(node);\n   const oldStrict = this.state.strict;\n   this.state.strict = true;\n
this.parseClassId(node, isStatement, optionalId);\n   this.parseClassSuper(node);\n   node.body =
this.parseClassBody(!node.superClass, oldStrict);\n   return this.finishNode(node, isStatement ?
\"ClassDeclaration\" : \"ClassExpression\");\n }\n\n isClassProperty() {\n   return this.match(types.eq) ||
this.match(types.semi) || this.match(types.braceR);\n }\n\n isClassMethod() {\n   return
this.match(types.parenL);\n }\n\n isNonstaticConstructor(method) {\n   return !method.computed &&
!method.static && (method.key.name === \"constructor\" || method.key.value === \"constructor\");\n }\n\n
parseClassBody(constructorAllowsSuper, oldStrict) {\n   this.classScope.enter();\n   const state = {\n

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constructorAllowsSuper,\n    hadConstructor: false,\n    hadStaticBlock: false\n  };\n  let decorators = [];\n  const classBody = this.startNode();\n  classBody.body = [];\n  this.expect(types.braceL);\n  this.withTopicForbiddingContext(() => {\n    while (!this.match(types.braceR)) {\n      if (this.eat(types.semi)) {\n        if (decorators.length > 0) {\n          throw this.raise(this.state.lastTokEnd,\n            ErrorMessages.DecoratorSemicolon);\n        }\n        continue;\n      }\n      if (this.match(types.at)) {\n        decorators.push(this.parseDecorator());\n        continue;\n      }\n      const member = this.startNode();\n      if (decorators.length) {\n        member.decorators = decorators;\n        this.resetStartLocationFromNode(member,\n          decorators[0]);\n        decorators = [];\n      }\n      this.parseClassMember(classBody, member, state);\n      if (member.kind === \"constructor\" && member.decorators && member.decorators.length > 0) {\n        this.raise(member.start, ErrorMessages.DecoratorConstructor);\n      }\n      this.state.strict =\n        oldStrict;\n      this.next();\n      if (decorators.length) {\n        throw this.raise(this.state.start,\n          ErrorMessages.TrailingDecorator);\n      }\n      this.classScope.exit();\n      return this.finishNode(classBody,\n        \"ClassBody\");\n    }\n    parseClassMemberFromModifier(classBody, member) {\n      const key =\n        this.parseIdentifier(true);\n      if (this.isClassMethod()) {\n        const method = member;\n        method.kind =\n          \"method\";\n        method.computed = false;\n        method.key = key;\n        method.static = false;\n        this.pushClassMethod(classBody, method, false, false, false, false);\n        return true;\n      } else if\n        (this.isClassProperty()) {\n        const prop = member;\n        prop.computed = false;\n        prop.key = key;\n        prop.static = false;\n        classBody.body.push(this.parseClassProperty(prop));\n        return true;\n      }\n      return\n        false;\n    }\n    parseClassMember(classBody, member, state) {\n      const isStatic = this.isContextual(\"static\");\n      if (isStatic) {\n        if (this.parseClassMemberFromModifier(classBody, member)) {\n          return;\n        }\n        if\n          (this.eat(types.braceL)) {\n          this.parseClassStaticBlock(classBody, member, state);\n          return;\n        }\n      }\n      this.parseClassMemberWithIsStatic(classBody, member, state, isStatic);\n    }\n    parseClassMemberWithIsStatic(classBody, member, state, isStatic) {\n      const publicMethod = member;\n      const\n        privateMethod = member;\n      const publicProp = member;\n      const privateProp = member;\n      const method =\n        publicMethod;\n      const publicMember = publicMethod;\n      member.static = isStatic;\n      if (this.eat(types.star))\n        {\n          method.kind = \"method\";\n          this.parseClassElementName(method);\n          if (method.key.type ===\n            \"PrivateName\") {\n            this.pushClassPrivateMethod(classBody, privateMethod, true, false);\n            return;\n          }\n          if (this.isNonstaticConstructor(publicMethod)) {\n            this.raise(publicMethod.key.start,\n              ErrorMessages.ConstructorIsGenerator);\n          }\n          this.pushClassMethod(classBody, publicMethod, true, false,\n            false, false);\n          return;\n        }\n      const containsEsc = this.state.containsEsc;\n      const key =\n        this.parseClassElementName(member);\n      const isPrivate = key.type === \"PrivateName\";\n      const isSimple =\n        key.type === \"Identifier\";\n      const maybeQuestionTokenStart = this.state.start;\n      this.parsePostMemberNameModifiers(publicMember);\n      if (this.isClassMethod()) {\n        method.kind =\n          \"method\";\n        if (isPrivate) {\n          this.pushClassPrivateMethod(classBody, privateMethod, false, false);\n          return;\n        }\n        const isConstructor = this.isNonstaticConstructor(publicMethod);\n        let allowsDirectSuper =\n          false;\n        if (isConstructor) {\n          publicMethod.kind = \"constructor\";\n          if (state.hadConstructor &&\n            !this.hasPlugin(\"typescript\")) {\n            this.raise(key.start, ErrorMessages.DuplicateConstructor);\n          }\n          state.hadConstructor = true;\n          allowsDirectSuper = state.constructorAllowsSuper;\n        }\n        this.pushClassMethod(classBody, publicMethod, false, false, isConstructor, allowsDirectSuper);\n      } else if\n        (this.isClassProperty()) {\n        if (isPrivate) {\n          this.pushClassPrivateProperty(classBody, privateProp);\n        }\n        else {\n          this.pushClassProperty(classBody, publicProp);\n        }\n      } else if (isSimple && key.name ===\n        \"async\" && !containsEsc && !this.isLineTerminator()) {\n        const isGenerator = this.eat(types.star);\n        if\n          (publicMember.optional) {\n          this.unexpected(maybeQuestionTokenStart);\n        }\n        method.kind =\n          \"method\";\n        this.parseClassElementName(method);\n        this.parsePostMemberNameModifiers(publicMember);\n        if (method.key.type === \"PrivateName\") {\n          this.pushClassPrivateMethod(classBody, privateMethod, isGenerator, true);\n        } else {\n          if\n            (this.isNonstaticConstructor(publicMethod)) {\n            this.raise(publicMethod.key.start,\n              ErrorMessages.ConstructorIsAsync);\n          }\n          this.pushClassMethod(classBody, publicMethod, isGenerator,\n
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true, false, false);\n    }\n  } else if (isSimple && (key.name === "get" || key.name === "set") && !containsEsc
&& !(this.match(types.star) && this.isLineTerminator())) {\n    method.kind = key.name;\n
this.parseClassElementName(publicMethod);\n    if (method.key.type === "PrivateName") {\n
this.pushClassPrivateMethod(classBody, privateMethod, false, false);\n    } else {\n    if
(this.isNonstaticConstructor(publicMethod)) {\n      this.raise(publicMethod.key.start,
ErrorMessages.ConstructorIsAccessor);\n    }\n    this.pushClassMethod(classBody, publicMethod, false,
false, false, false);\n  }\n  this.checkGetterSetterParams(publicMethod);\n  } else if (this.isLineTerminator())
{\n    if (isPrivate) {\n      this.pushClassPrivateProperty(classBody, privateProp);\n    } else {\n
this.pushClassProperty(classBody, publicProp);\n    }\n  } else {\n    this.unexpected();\n  }\n}\n\n
parseClassElementName(member) {\n  const key = this.parsePropertyName(member, true);\n  if
(!member.computed && member.static && (key.name === "prototype" || key.value === "prototype")) {\n
this.raise(key.start, ErrorMessages.StaticPrototype);\n  }\n  if (key.type === "PrivateName" && key.id.name
=== "constructor") {\n    this.raise(key.start, ErrorMessages.ConstructorClassPrivateField);\n  }\n  return
key;\n}\n\nparseClassStaticBlock(classBody, member, state) {\n  var _member$decorators;\n  this.expectPlugin("classStaticBlock", member.start);\n  this.scope.enter(SCOPE_CLASS | SCOPE_SUPER);\n  this.expressionScope.enter(newExpressionScope());\n  const oldLabels = this.state.labels;\n  this.state.labels =
[];\n  this.prodParam.enter(PARAM);\n  const body = member.body = [];\n  this.parseBlockOrModuleBlockBody(body, undefined, false, types.braceR);\n  this.prodParam.exit();\n  this.expressionScope.exit();\n  this.scope.exit();\n  this.state.labels = oldLabels;\n
classBody.body.push(this.finishNode(member, "StaticBlock"));\n  if (state.hadStaticBlock) {\n
this.raise(member.start, ErrorMessages.DuplicateStaticBlock);\n  }\n  if ((_member$decorators =
member.decorators) == null ? void 0 : _member$decorators.length) {\n    this.raise(member.start,
ErrorMessages.DecoratorStaticBlock);\n  }\n  state.hadStaticBlock = true;\n  }\n  pushClassProperty(classBody, prop) {\n    if (!prop.computed && (prop.key.name === "constructor" ||
prop.key.value === "constructor")) {\n      this.raise(prop.key.start, ErrorMessages.ConstructorClassField);\n
    }\n    classBody.body.push(this.parseClassProperty(prop));\n  }\n  pushClassPrivateProperty(classBody, prop)
{\n    this.expectPlugin("classPrivateProperties", prop.key.start);\n    const node =
this.parseClassPrivateProperty(prop);\n    classBody.body.push(node);\n
this.classScope.declarePrivateName(node.key.id.name, CLASS_ELEMENT_OTHER, node.key.start);\n  }\n  pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {\n
classBody.body.push(this.parseMethod(method, isGenerator, isAsync, isConstructor, allowsDirectSuper,
"ClassMethod", true));\n  }\n  pushClassPrivateMethod(classBody, method, isGenerator, isAsync) {\n
this.expectPlugin("classPrivateMethods", method.key.start);\n    const node = this.parseMethod(method,
isGenerator, isAsync, false, false, "ClassPrivateMethod", true);\n    classBody.body.push(node);\n    const kind =
node.kind === "get" ? node.static ? CLASS_ELEMENT_STATIC_GETTER :
CLASS_ELEMENT_INSTANCE_GETTER : node.kind === "set" ? node.static ?
CLASS_ELEMENT_STATIC_SETTER : CLASS_ELEMENT_INSTANCE_SETTER :
CLASS_ELEMENT_OTHER;\n    this.classScope.declarePrivateName(node.key.id.name, kind, node.key.start);\n
  }\n  parsePostMemberNameModifiers(methodOrProp) {\n  }\n  parseClassPrivateProperty(node) {\n
this.parseInitializer(node);\n  this.semicolon();\n  return this.finishNode(node, "ClassPrivateProperty");\n  }\n  parseClassProperty(node) {\n    if (!node.typeAnnotation || this.match(types.eq)) {\n
this.expectPlugin("classProperties");\n  }\n  this.parseInitializer(node);\n  this.semicolon();\n  return
this.finishNode(node, "ClassProperty");\n  }\n  parseInitializer(node) {\n    this.scope.enter(SCOPE_CLASS |
SCOPE_SUPER);\n    this.expressionScope.enter(newExpressionScope());\n    this.prodParam.enter(PARAM);\n
node.value = this.eat(types.eq) ? this.parseMaybeAssignAllowIn() : null;\n    this.expressionScope.exit();\n
this.prodParam.exit();\n    this.scope.exit();\n  }\n  parseClassId(node, isStatement, optionalId, bindingType =
BIND_CLASS) {\n    if (this.match(types.name)) {\n      node.id = this.parseIdentifier();\n      if (isStatement) {\n
this.checkLVal(node.id, bindingType, undefined, "class name");\n      }\n    } else {\n      if (optionalId ||

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!isStatement) {\n    node.id = null;\n    } else {\n    this.unexpected(null,
ErrorMessages.MissingClassName);\n    }\n    }\n    }\n    }\n    parseClassSuper(node) {\n    node.superClass =
this.eat(types._extends) ? this.parseExprSubscripts() : null;\n    }\n    }\n    parseExport(node) {\n    const hasDefault =
this.maybeParseExportDefaultSpecifier(node);\n    const parseAfterDefault = !hasDefault || this.eat(types.comma);\n    const hasStar = parseAfterDefault && this.eatExportStar(node);\n    const hasNamespace = hasStar &&
this.maybeParseExportNamespaceSpecifier(node);\n    const parseAfterNamespace = parseAfterDefault &&
(!hasNamespace || this.eat(types.comma));\n    const isFromRequired = hasDefault || hasStar;\n    if (hasStar &&
!hasNamespace) {\n    if (hasDefault) this.unexpected();\n    this.parseExportFrom(node, true);\n    return
this.finishNode(node, "ExportAllDeclaration");\n    }\n    }\n    const hasSpecifiers =
this.maybeParseExportNamedSpecifiers(node);\n    if (hasDefault && parseAfterDefault && !hasStar &&
!hasSpecifiers || hasNamespace && parseAfterNamespace && !hasSpecifiers) {\n    throw this.unexpected(null,
types.braceL);\n    }\n    }\n    let hasDeclaration;\n    if (isFromRequired || hasSpecifiers) {\n    hasDeclaration =
false;\n    this.parseExportFrom(node, isFromRequired);\n    } else {\n    hasDeclaration =
this.maybeParseExportDeclaration(node);\n    }\n    }\n    if (isFromRequired || hasSpecifiers || hasDeclaration) {\n
this.checkExport(node, true, false, !!node.source);\n    return this.finishNode(node,
"ExportNamedDeclaration");\n    }\n    }\n    if (this.eat(types._default)) {\n    node.declaration =
this.parseExportDefaultExpression();\n    this.checkExport(node, true, true);\n    return this.finishNode(node,
"ExportDefaultDeclaration");\n    }\n    }\n    throw this.unexpected(null, types.braceL);\n    }\n    }\n    eatExportStar(node)
{\n    return this.eat(types.star);\n    }\n    }\n    maybeParseExportDefaultSpecifier(node) {\n    if
(this.isExportDefaultSpecifier()) {\n    this.expectPlugin("exportDefaultFrom");\n    const specifier =
this.startNode();\n    specifier.exported = this.parseIdentifier(true);\n    node.specifiers =
[this.finishNode(specifier, "ExportDefaultSpecifier");\n    return true;\n    }\n    }\n    return false;\n    }\n    }\n    maybeParseExportNamespaceSpecifier(node) {\n    if (this.isContextual("as")) {\n    if (!node.specifiers)
node.specifiers = [];\n    const specifier = this.startNodeAt(this.state.lastTokStart, this.state.lastTokStartLoc);\n    this.next();\n    specifier.exported = this.parseModuleExportName();\n    node.specifiers.push(this.finishNode(specifier, "ExportNamespaceSpecifier"));
return true;\n    }\n    }\n    return
false;\n    }\n    }\n    maybeParseExportNamedSpecifiers(node) {\n    if (this.match(types.braceL)) {\n    if
(!node.specifiers) node.specifiers = [];\n    node.specifiers.push(...this.parseExportSpecifiers());\n    node.source =
null;\n    node.declaration = null;\n    return true;\n    }\n    }\n    return false;\n    }\n    }\n    maybeParseExportDeclaration(node) {\n    if (this.shouldParseExportDeclaration()) {\n    node.specifiers = [];\n    node.source = null;\n    node.declaration = this.parseExportDeclaration(node);\n    return true;\n    }\n    }\n    return
false;\n    }\n    }\n    isAsyncFunction() {\n    if (!this.isContextual("async")) return false;\n    const next =
this.nextTokenStart();\n    return !lineBreak.test(this.input.slice(this.state.pos, next)) &&
this.isUnparsedContextual(next, "function");\n    }\n    }\n    parseExportDefaultExpression() {\n    const expr =
this.startNode();\n    const isAsync = this.isAsyncFunction();\n    if (this.match(types._function) || isAsync) {\n
this.next();\n    if (isAsync) {\n    this.next();\n    }\n    }\n    return this.parseFunction(expr,
FUNC_STATEMENT | FUNC_NULLABLE_ID, isAsync);\n    } else if (this.match(types._class)) {\n    return
this.parseClass(expr, true, true);\n    } else if (this.match(types.at)) {\n    if (this.hasPlugin("decorators") &&
this.getPluginOption("decorators", "decoratorsBeforeExport")) {\n    this.raise(this.state.start,
ErrorMessages.DecoratorBeforeExport);\n    }\n    }\n    this.parseDecorators(false);\n    return this.parseClass(expr,
true, true);\n    } else if (this.match(types._const) || this.match(types._var) || this.isLet()) {\n    throw
this.raise(this.state.start, ErrorMessages.UnsupportedDefaultExport);\n    } else {\n    const res =
this.parseMaybeAssignAllowIn();\n    this.semicolon();\n    return res;\n    }\n    }\n    }\n    parseExportDeclaration(node) {\n    return this.parseStatement(null);\n    }\n    }\n    isExportDefaultSpecifier() {\n    if
(this.match(types.name)) {\n    const value = this.state.value;\n    if (value === "async" &&
!this.state.containsEsc || value === "let") {\n    return false;\n    }\n    }\n    if ((value === "type" || value ===
"interface") && !this.state.containsEsc) {\n    const l = this.lookahead();\n    if (l.type === types.name &&
l.value !== "from" || l.type === types.braceL) {\n    this.expectOnePlugin(["flow", "typescript"]);

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return false;\n    }\n  }\n } else if (!this.match(types._default)) {\n  return false;\n }\n\n const next =
this.nextTokenStart();\n  const hasFrom = this.isUnparsedContextual(next, "from");\n  if
(this.input.charCodeAt(next) === 44 || this.match(types.name) && hasFrom) {\n  return true;\n }\n\n if
(this.match(types._default) && hasFrom) {\n  const nextAfterFrom =
this.input.charCodeAt(this.nextTokenStartSince(next + 4));\n  return nextAfterFrom === 34 || nextAfterFrom ===
39;\n }\n\n return false;\n }\n\n parseExportFrom(node, expect) {\n  if (this.eatContextual("from")) {\n
node.source = this.parseImportSource();\n  this.checkExport(node);\n  const assertions =
this.maybeParseImportAssertions();\n\n  if (assertions) {\n    node.assertions = assertions;\n  }\n } else {\n
if (expect) {\n  this.unexpected();\n } else {\n  node.source = null;\n }\n }\n\n this.semicolon();\n
}\n\n shouldParseExportDeclaration() {\n  if (this.match(types.at)) {\n  this.expectOnePlugin(["decorators",
"decorators-legacy"]);;\n\n  if (this.hasPlugin("decorators")) {\n  if (this.getPluginOption("decorators",
"decoratorsBeforeExport")) {\n    this.unexpected(this.state.start, ErrorMessages.DecoratorBeforeExport);\n
} else {\n  return true;\n }\n }\n }\n\n return this.state.type.keyword === "var" ||
this.state.type.keyword === "const" || this.state.type.keyword === "function" || this.state.type.keyword ===
"class" || this.isLet() || this.isAsyncFunction();\n }\n\n checkExport(node, checkNames, isDefault, isFrom) {\n  if
(checkNames) {\n  if (isDefault) {\n  this.checkDuplicateExports(node, "default");\n\n  if
(this.hasPlugin("exportDefaultFrom")) {\n    var _declaration$extra;\n\n    const declaration =
node.declaration;\n\n    if (declaration.type === "Identifier" && declaration.name === "from" &&
declaration.end - declaration.start === 4 && !((_declaration$extra = declaration.extra) == null ? void 0 :
_declaration$extra.parenthesized)) {\n      this.raise(declaration.start,
ErrorMessages.ExportDefaultFromAsIdentifier);\n    }\n  }\n } else if (node.specifiers &&
node.specifiers.length) {\n  for (let _i4 = 0, _node$specifiers = node.specifiers; _i4 < _node$specifiers.length;
_i4++) {\n    const specifier = _node$specifiers[_i4];\n    const {\n      exported\n    } = specifier;\n    const exportedName = exported.type === "Identifier" ? exported.name : exported.value;\n
this.checkDuplicateExports(specifier, exportedName);\n\n    if (!isFrom && specifier.local) {\n      const {\n
local\n    } = specifier;\n\n    if (local.type === "StringLiteral") {\n
this.raise(specifier.start, ErrorMessages.ExportBindingIsString, local.extra.raw, exportedName);\n    } else {\n
this.checkReservedWord(local.name, local.start, true, false);\n    this.scope.checkLocalExport(local);\n
}\n  }\n }\n } else if (node.declaration) {\n  if (node.declaration.type ===
"FunctionDeclaration" || node.declaration.type === "ClassDeclaration") {\n    const id = node.declaration.id;\n
if (!id) throw new Error("Assertion failure");\n    this.checkDuplicateExports(node, id.name);\n  } else
if (node.declaration.type === "VariableDeclaration") {\n    for (let _i5 = 0, _node$declaration$dec =
node.declaration.declarations; _i5 < _node$declaration$dec.length; _i5++) {\n      const declaration =
_node$declaration$dec[_i5];\n      this.checkDeclaration(declaration.id);\n    }\n  }\n }\n }\n\n const currentContextDecorators = this.state.decoratorStack[this.state.decoratorStack.length - 1];\n  if
(currentContextDecorators.length) {\n  throw this.raise(node.start,
ErrorMessages.UnsupportedDecoratorExport);\n }\n }\n\n checkDeclaration(node) {\n  if (node.type ===
"Identifier") {\n  this.checkDuplicateExports(node, node.name);\n } else if (node.type === "ObjectPattern")
{\n  for (let _i6 = 0, _node$properties = node.properties; _i6 < _node$properties.length; _i6++) {\n  const
prop = _node$properties[_i6];\n  this.checkDeclaration(prop);\n }\n } else if (node.type ===
"ArrayPattern") {\n  for (let _i7 = 0, _node$elements = node.elements; _i7 < _node$elements.length; _i7++) {\n
const elem = _node$elements[_i7];\n\n  if (elem) {\n  this.checkDeclaration(elem);\n }\n }\n }
else if (node.type === "ObjectProperty") {\n  this.checkDeclaration(node.value);\n } else if (node.type ===
"RestElement") {\n  this.checkDeclaration(node.argument);\n } else if (node.type === "AssignmentPattern")
{\n  this.checkDeclaration(node.left);\n }\n }\n\n checkDuplicateExports(node, name) {\n  if
(this.state.exportedIdentifiers.indexOf(name) > -1) {\n  this.raise(node.start, name === "default" ?
ErrorMessages.DuplicateDefaultExport : ErrorMessages.DuplicateExport, name);\n }\n }\n\n
this.state.exportedIdentifiers.push(name);\n }\n\n\n parseExportSpecifiers() {\n  const nodes = [];\n  let first =

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true;\n  this.expect(types.braceL);\n\n  while (!this.eat(types.braceR)) {\n    if (first) {\n      first = false;\n    }
else {\n      this.expect(types.comma);\n      if (this.eat(types.braceR)) break;\n    }\n\n    const node =
this.startNode();\n    node.local = this.parseModuleExportName();\n    node.exported = this.eatContextual("\nas\");
? this.parseModuleExportName() : node.local.__clone();\n    nodes.push(this.finishNode(node,
"ExportSpecifier"));
\n  }\n\n  return nodes;\n}\n\nparseModuleExportName() {\n  if
(this.match(types.string)) {\n    this.expectPlugin("moduleStringNames");\n    const result =
this.parseLiteral(this.state.value, "StringLiteral");\n    const surrogate = result.value.match(loneSurrogate);\n\n
if (surrogate) {\n      this.raise(result.start, ErrorMessages.ModuleExportNameHasLoneSurrogate,
surrogate[0].charCodeAt(0).toString(16));\n    }\n\n    return result;\n  }\n\n  return this.parseIdentifier(true);\n}
\n\nparseImport(node) {\n  node.specifiers = [];\n\n  if (!this.match(types.string)) {\n    const hasDefault =
this.maybeParseDefaultImportSpecifier(node);\n    const parseNext = !hasDefault || this.eat(types.comma);\n\n
const hasStar = parseNext && this.maybeParseStarImportSpecifier(node);\n    if (parseNext && !hasStar)
this.parseNamedImportSpecifiers(node);\n    this.expectContextual("from");\n  }\n\n  node.source =
this.parseImportSource();\n  const assertions = this.maybeParseImportAssertions();\n\n  if (assertions) {\n
node.assertions = assertions;\n  } else {\n    const attributes = this.maybeParseModuleAttributes();\n\n    if
(attributes) {\n      node.attributes = attributes;\n    }\n  }\n\n  this.semicolon();\n  return
this.finishNode(node, "ImportDeclaration");\n}\n\nparseImportSource() {\n  if (!this.match(types.string))
this.unexpected();\n  return this.parseExprAtom();\n}\n\nshouldParseDefaultImport(node) {\n  return
this.match(types.name);\n}\n\nparseImportSpecifierLocal(node, specifier, type, contextDescription) {\n
specifier.local = this.parseIdentifier();\n  this.checkLVal(specifier.local, BIND_LEXICAL, undefined,
contextDescription);\n  node.specifiers.push(this.finishNode(specifier, type));\n}\n\nparseAssertEntries() {\n
const attrs = [];\n  const attrNames = new Set();\n\n  do {\n    if (this.match(types.braceR)) {\n      break;\n
}\n\n    const node = this.startNode();\n    const keyName = this.state.value;\n\n    if (this.match(types.string)) {\n
      node.key = this.parseLiteral(keyName, "StringLiteral");\n    } else {\n      node.key =
this.parseIdentifier(true);\n    }\n\n    this.expect(types.colon);\n\n    if (keyName !== "type") {\n
this.raise(node.key.start, ErrorMessages.ModuleAttributeDifferentFromType, keyName);\n    }\n\n    if
(attrNames.has(keyName)) {\n      this.raise(node.key.start, ErrorMessages.ModuleAttributesWithDuplicateKeys,
keyName);\n    }\n\n    attrNames.add(keyName);\n\n    if (!this.match(types.string)) {\n      throw
this.unexpected(this.state.start, ErrorMessages.ModuleAttributeInvalidValue);\n    }\n\n    node.value =
this.parseLiteral(this.state.value, "StringLiteral");\n    this.finishNode(node, "ImportAttribute");\n\n
attrs.push(node);\n  } while (this.eat(types.comma));\n\n  return attrs;\n}\n\nmaybeParseModuleAttributes() {\n
if (this.match(types._with) && !this.hasPrecedingLineBreak()) {\n    this.expectPlugin("moduleAttributes");\n
this.next();\n  } else {\n    if (this.hasPlugin("moduleAttributes")) return [];\n    return null;\n  }\n\n
const
attrs = [];\n  const attributes = new Set();\n\n  do {\n    const node = this.startNode();\n    node.key =
this.parseIdentifier(true);\n\n    if (node.key.name !== "type") {\n      this.raise(node.key.start,
ErrorMessages.ModuleAttributeDifferentFromType, node.key.name);\n    }\n\n    if
(attributes.has(node.key.name)) {\n      this.raise(node.key.start,
ErrorMessages.ModuleAttributesWithDuplicateKeys, node.key.name);\n    }\n\n
attributes.add(node.key.name);\n    this.expect(types.colon);\n\n    if (!this.match(types.string)) {\n      throw
this.unexpected(this.state.start, ErrorMessages.ModuleAttributeInvalidValue);\n    }\n\n    node.value =
this.parseLiteral(this.state.value, "StringLiteral");\n    this.finishNode(node, "ImportAttribute");\n\n
attrs.push(node);\n  } while (this.eat(types.comma));\n\n  return attrs;\n}\n\nmaybeParseImportAssertions() {\n
if (this.isContextual("assert") && !this.hasPrecedingLineBreak()) {\n
this.expectPlugin("importAssertions");\n    this.next();\n  } else {\n    if (this.hasPlugin("importAssertions"))
return [];\n    return null;\n  }\n\n  this.eat(types.braceL);\n  const attrs = this.parseAssertEntries();\n
this.eat(types.braceR);\n  return attrs;\n}\n\nmaybeParseDefaultImportSpecifier(node) {\n  if
(this.shouldParseDefaultImport(node)) {\n    this.parseImportSpecifierLocal(node, this.startNode(),
"ImportDefaultSpecifier", "default import specifier");\n    return true;\n  }\n\n  return false;\n}\n\n}

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maybeParseStarImportSpecifier(node) {\n  if (this.match(types.star)) {\n    const specifier = this.startNode();\n    this.next();\n    this.expectContextual("\nas");\n    this.parseImportSpecifierLocal(node, specifier,\n  \"ImportNamespaceSpecifier\", \"import namespace specifier\");\n    return true;\n  }\n  return false;\n}\n\nparseNamedImportSpecifiers(node) {\n  let first = true;\n  this.expect(types.braceL);\n  while\n  (!this.eat(types.braceR)) {\n    if (first) {\n      first = false;\n    } else {\n      if (this.eat(types.colon)) {\n        throw this.raise(this.state.start, ErrorMessages.DestructureNamedImport);\n      }\n\n      this.expect(types.comma);\n      if (this.eat(types.braceR)) break;\n    }\n    this.parseImportSpecifier(node);\n  }\n}\n\nparseImportSpecifier(node) {\n  const specifier = this.startNode();\n  specifier.imported =\n  this.parseModuleExportName();\n  if (this.eatContextual("\nas")) {\n    specifier.local = this.parseIdentifier();\n  } else {\n    const {\n      imported\n    } = specifier;\n    if (imported.type === \"StringLiteral\") {\n      throw\n      this.raise(specifier.start, ErrorMessages.ImportBindingIsString, imported.value);\n    }\n\n    this.checkReservedWord(imported.name, specifier.start, true, true);\n    specifier.local = imported.__clone();\n  }\n  this.checkLVal(specifier.local, BIND_LEXICAL, undefined, \"import specifier\");\n  node.specifiers.push(this.finishNode(specifier, \"ImportSpecifier\"));\n}\n\n\nclass ClassScope {\n  constructor() {\n    this.privateNames = new Set();\n    this.loneAccessors = new Map();\n    this.undefinedPrivateNames = new Map();\n  }\n}\n\nclass ClassScopeHandler {\n  constructor(raise) {\n    this.stack = [];\n    this.undefinedPrivateNames = new Map();\n    this.raise = raise;\n  }\n  current() {\n    return\n    this.stack[this.stack.length - 1];\n  }\n  enter() {\n    this.stack.push(new ClassScope());\n  }\n  exit() {\n    const\n    oldClassScope = this.stack.pop();\n    const current = this.current();\n    for (let _i = 0, _Array$from =\n    Array.from(oldClassScope.undefinedPrivateNames); _i < _Array$from.length; _i++) {\n      const [name, pos] =\n      _Array$from[_i];\n      if (current) {\n        if (!current.undefinedPrivateNames.has(name)) {\n          current.undefinedPrivateNames.set(name, pos);\n        }\n      } else {\n        this.raise(pos,\n        ErrorMessages.InvalidPrivateFieldResolution, name);\n      }\n    }\n    declarePrivateName(name,\n    elementType, pos) {\n      const classScope = this.current();\n      let redefined =\n      classScope.privateNames.has(name);\n      if (elementType & CLASS_ELEMENT_KIND_ACCESSOR) {\n        const accessor = redefined && classScope.loneAccessors.get(name);\n        if (accessor) {\n          const oldStatic =\n          accessor & CLASS_ELEMENT_FLAG_STATIC;\n          const newStatic = elementType &\n          CLASS_ELEMENT_FLAG_STATIC;\n          const oldKind = accessor &\n          CLASS_ELEMENT_KIND_ACCESSOR;\n          const newKind = elementType &\n          CLASS_ELEMENT_KIND_ACCESSOR;\n          redefined = oldKind === newKind || oldStatic !== newStatic;\n        }\n        if (!redefined) classScope.loneAccessors.delete(name);\n      } else if (!redefined) {\n        classScope.loneAccessors.set(name, elementType);\n      }\n    }\n    if (redefined) {\n      this.raise(pos,\n      ErrorMessages.PrivateNameRedeclaration, name);\n    }\n    classScope.privateNames.add(name);\n    classScope.undefinedPrivateNames.delete(name);\n  }\n  usePrivateName(name, pos) {\n    let classScope;\n    for (let _i2 = 0, _this$stack = this.stack; _i2 < _this$stack.length; _i2++) {\n      classScope = _this$stack[_i2];\n      if (classScope.privateNames.has(name)) return;\n    }\n    if (classScope) {\n      classScope.undefinedPrivateNames.set(name, pos);\n    } else {\n      this.raise(pos,\n      ErrorMessages.InvalidPrivateFieldResolution, name);\n    }\n  }\n}\n\nclass Parser extends StatementParser {\n  constructor(options, input) {\n    options = getOptions(options);\n    super(options, input);\n    const ScopeHandler =\n    this.getScopeHandler();\n    this.options = options;\n    this.inModule = this.options.sourceType === \"module\";\n    this.scope = new ScopeHandler(this.raise.bind(this), this.inModule);\n    this.prodParam = new\n    ProductionParameterHandler();\n    this.classScope = new ClassScopeHandler(this.raise.bind(this));\n    this.expressionScope = new ExpressionScopeHandler(this.raise.bind(this));\n    this.plugins =\n    pluginsMap(this.options.plugins);\n    this.filename = options.sourceFilename;\n  }\n  getScopeHandler() {\n    return ScopeHandler;\n  }\n  parse() {\n    let paramFlags = PARAM;\n    if (this.hasPlugin(\"topLevelAwait\")\n    && this.inModule) {\n      paramFlags |= PARAM_AWAIT;\n    }\n    this.scope.enter(SCOPE_PROGRAM);\n    this.prodParam.enter(paramFlags);\n    const file = this.startNode();\n    const program = this.startNode();\n    this.nextToken();\n    file.errors = null;\n    this.parseTopLevel(file, program);\n    file.errors = this.state.errors;\n  }\n}

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return file;\n }\n\nfunction pluginsMap(plugins) {\n  const pluginMap = new Map();\n  for (let _i = 0; _i < plugins.length; _i++) {\n    const plugin = plugins[_i];\n    const [name, options] = Array.isArray(plugin) ? plugin : [plugin, {}];\n    if (!pluginMap.has(name)) pluginMap.set(name, options || {});\n  }\n  return pluginMap;\n}\n\nfunction parse(input, options) {\n  var _options;\n  if (((_options = options) === null ? void 0 : _options.sourceType) === \"unambiguous\") {\n    options = Object.assign({}, options);\n    try {\n      options.sourceType = \"module\";\n      const parser = getParser(options, input);\n      const ast = parser.parse();\n      if (parser.sawUnambiguousESM) {\n        return ast;\n      }\n      if (parser.ambiguousScriptDifferentAst) {\n        try {\n          options.sourceType = \"script\";\n          return getParser(options, input).parse();\n        } catch (_unused) {} \n      } else {\n        ast.program.sourceType = \"script\";\n        return ast;\n      } catch (moduleError) {\n        try {\n          options.sourceType = \"script\";\n          return getParser(options, input).parse();\n        } catch (_unused2) {} \n      }\n      throw moduleError;\n    } \n  } else {\n    return getParser(options, input).parse();\n  }\n}\n\nfunction parseExpression(input, options) {\n  const parser = getParser(options, input);\n  if (parser.options.strictMode) {\n    parser.state.strict = true;\n  }\n  return parser.getExpression();\n}\n\nfunction getParser(options, input) {\n  let cls = Parser;\n  if (options === null ? void 0 : options.plugins) {\n    validatePlugins(options.plugins);\n    cls = getParserClass(options.plugins);\n  }\n  return new cls(options, input);\n}\n\nconst parserClassCache = {};\nfunction getParserClass(pluginsFromOptions) {\n  const pluginList = mixinPluginNames.filter(name => hasPlugin(pluginsFromOptions, name));\n  const key = pluginList.join(\"/\");\n  let cls = parserClassCache[key];\n  if (!cls) {\n    cls = Parser;\n    for (let _i = 0; _i < pluginList.length; _i++) {\n      const plugin = pluginList[_i];\n      cls = mixinPlugins[plugin](cls);\n    }\n    parserClassCache[key] = cls;\n  }\n  return cls;\n}\n\nexports.parse = parse;\nexports.parseExpression = parseExpression;\nexports.tokenTypes = types;\n\n// sourceMappingURL=index.js.map\n\n,\"use strict\"\n\n A linked list to keep track of recently-used-ness\nconst Yallist = require('yallist')\nconst MAX = Symbol('max')\nconst LENGTH = Symbol('length')\nconst LENGTH_CALCULATOR = Symbol('lengthCalculator')\nconst ALLOW_STALE = Symbol('allowStale')\nconst MAX_AGE = Symbol('maxAge')\nconst DISPOSE = Symbol('dispose')\nconst NO_DISPOSE_ON_SET = Symbol('noDisposeOnSet')\nconst LRU_LIST = Symbol('lruList')\nconst CACHE = Symbol('cache')\nconst UPDATE_AGE_ON_GET = Symbol('updateAgeOnGet')\nconst naiveLength = () => 1\n\n// lruList is a yallist where the head is the youngest\n// item, and the tail is the oldest. the list contains the Hit\n// objects as the entries. Each Hit object has a reference to its Yallist.Node. This\n// never changes.\n\n// cache is a Map (or PseudoMap) that matches the keys to\n// the Yallist.Node object.\n\nclass LRUCache {\n  constructor (options) {\n    if (typeof options === 'number')\n      options = { max: options }\n    if (!options)\n      options = {}\n    if (options.max && (typeof options.max !== 'number' || options.max < 0))\n      throw new TypeError('max must be a non-negative number')\n    // Kind of weird to have a default max of Infinity, but oh well.\n    const max = this[MAX] = options.max || Infinity\n    const lc = options.length || naiveLength\n    this[LENGTH_CALCULATOR] = (typeof lc !== 'function') ? naiveLength : lc\n    this[ALLOW_STALE] = options.stale || false\n    if (options.maxAge && typeof options.maxAge !== 'number')\n      throw new TypeError('maxAge must be a number')\n    this[MAX_AGE] = options.maxAge || 0\n    this[DISPOSE] = options.dispose\n    this[NO_DISPOSE_ON_SET] = options.noDisposeOnSet || false\n    this[UPDATE_AGE_ON_GET] = options.updateAgeOnGet || false\n    this.reset()\n  }\n\n  // resize the cache when the max changes.\n  set max (mL) {\n    if (typeof mL !== 'number' || mL < 0)\n      throw new TypeError('max must be a non-negative number')\n    this[MAX] = mL || Infinity\n    trim(this)\n  }\n  get max () {\n    return this[MAX]\n  }\n  set allowStale (allowStale) {\n    this[ALLOW_STALE] = !!allowStale\n  }\n  get allowStale () {\n    return this[ALLOW_STALE]\n  }\n  set maxAge (mA) {\n    if (typeof mA !== 'number')\n      throw new TypeError('maxAge must be a non-negative number')\n    this[MAX_AGE] = mA\n    trim(this)\n  }\n  get maxAge () {\n    return this[MAX_AGE]\n  }\n\n  // resize the cache when the lengthCalculator changes.\n  set lengthCalculator (IC) {\n    if (typeof IC !== 'function')\n      IC = naiveLength\n    if (IC !== this[LENGTH_CALCULATOR]) {\n      this[LENGTH_CALCULATOR] = IC\n      this[LENGTH] = 0\n      this[LRU_LIST].forEach(hit => {\n        hit.length = this[LENGTH_CALCULATOR](hit.value, hit.key)\n        this[LENGTH] += hit.length\n      })\n    }\n    trim(this)\n  }\n  get lengthCalculator () { return

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this[LENGTH_CALCULATOR] } \n get length () { return this[LENGTH] } \n get itemCount () { return
this[LRU_LIST].length } \n rforEach (fn, thisp) { \n thisp = thisp || this \n for (let walker =
this[LRU_LIST].tail; walker !== null;) { \n const prev = walker.prev \n forEachStep(this, fn, walker, thisp) \n
walker = prev \n } \n } \n forEach (fn, thisp) { \n thisp = thisp || this \n for (let walker = this[LRU_LIST].head;
walker !== null;) { \n const next = walker.next \n forEachStep(this, fn, walker, thisp) \n walker = next \n
} \n } \n keys () { \n return this[LRU_LIST].toArray().map(k => k.key) \n } \n values () { \n return
this[LRU_LIST].toArray().map(k => k.value) \n } \n reset () { \n if (this[DISPOSE] && \n this[LRU_LIST]
&& \n this[LRU_LIST].length) { \n this[LRU_LIST].forEach(hit => this[DISPOSE](hit.key, hit.value)) \n
} \n \n this[CACHE] = new Map() // hash of items by key \n this[LRU_LIST] = new Yallist() // list of items in
order of use recency \n this[LENGTH] = 0 // length of items in the list \n } \n dump () { \n return
this[LRU_LIST].map(hit => \n isStale(this, hit) ? false : { \n k: hit.key, \n v: hit.value, \n e: hit.now +
(hit.maxAge || 0) \n }).toArray().filter(h => h) \n } \n \n dumpLru () { \n return this[LRU_LIST] \n } \n \n set
(key, value, maxAge) { \n maxAge = maxAge || this[MAX_AGE] \n \n if (maxAge && typeof maxAge !==
'number') \n throw new TypeError('maxAge must be a number') \n \n const now = maxAge ? Date.now() : 0 \n
const len = this[LENGTH_CALCULATOR](value, key) \n \n if (this[CACHE].has(key)) { \n if (len >
this[MAX]) { \n del(this, this[CACHE].get(key)) \n return false \n } \n \n const node =
this[CACHE].get(key) \n const item = node.value \n \n // dispose of the old one before overwriting \n // split
out into 2 ifs for better coverage tracking \n if (this[DISPOSE]) { \n if (!this[NO_DISPOSE_ON_SET]) \n
this[DISPOSE](key, item.value) \n } \n \n item.now = now \n item.maxAge = maxAge \n item.value =
value \n this[LENGTH] += len - item.length \n item.length = len \n this.get(key) \n trim(this) \n return
true \n } \n \n const hit = new Entry(key, value, len, now, maxAge) \n \n // oversized objects fall out of cache
automatically. \n if (hit.length > this[MAX]) { \n if (this[DISPOSE]) \n this[DISPOSE](key, value) \n \n
return false \n } \n \n this[LENGTH] += hit.length \n this[LRU_LIST].unshift(hit) \n this[CACHE].set(key,
this[LRU_LIST].head) \n trim(this) \n return true \n } \n \n has (key) { \n if (!this[CACHE].has(key)) return
false \n const hit = this[CACHE].get(key).value \n return !isStale(this, hit) \n } \n \n get (key) { \n return get(this,
key, true) \n } \n \n peek (key) { \n return get(this, key, false) \n } \n \n pop () { \n const node =
this[LRU_LIST].tail \n if (!node) \n return null \n \n del(this, node) \n return node.value \n } \n \n del (key) { \n
del(this, this[CACHE].get(key)) \n } \n \n load (arr) { \n // reset the cache \n this.reset() \n \n const now =
Date.now() \n // A previous serialized cache has the most recent items first \n for (let l = arr.length - 1; l >= 0; l--)
{ \n const hit = arr[l] \n const expiresAt = hit.e || 0 \n if (expiresAt === 0) \n // the item was created
without expiration in a non aged cache \n this.set(hit.k, hit.v) \n else { \n const maxAge = expiresAt -
now \n // dont add already expired items \n if (maxAge > 0) { \n this.set(hit.k, hit.v, maxAge) \n } \n
} \n } \n \n \n prune () { \n this[CACHE].forEach((value, key) => get(this, key, false)) \n } \n \n \n const get =
(self, key, doUse) => { \n const node = self[CACHE].get(key) \n if (node) { \n const hit = node.value \n if
(isStale(self, hit)) { \n del(self, node) \n if (!self[ALLOW_STALE]) \n return undefined \n } else { \n if
(doUse) { \n if (self[UPDATE_AGE_ON_GET]) \n node.value.now = Date.now() \n
self[LRU_LIST].unshiftNode(node) \n } \n } \n return hit.value \n } \n } \n \n const isStale = (self, hit) => { \n if
(!hit || (!hit.maxAge && !self[MAX_AGE])) \n return false \n \n const diff = Date.now() - hit.now \n return
hit.maxAge ? diff > hit.maxAge \n : self[MAX_AGE] && (diff > self[MAX_AGE]) \n } \n \n \n const trim = self => { \n
if (self[LENGTH] > self[MAX]) { \n for (let walker = self[LRU_LIST].tail; \n self[LENGTH] > self[MAX] &&
walker !== null;) { \n // We know that we're about to delete this one, and also \n // what the next least recently
used key will be, so just \n // go ahead and set it now. \n const prev = walker.prev \n del(self, walker) \n
walker = prev \n } \n } \n \n \n const del = (self, node) => { \n if (node) { \n const hit = node.value \n if
(self[DISPOSE]) \n self[DISPOSE](hit.key, hit.value) \n \n self[LENGTH] -= hit.length \n
self[CACHE].delete(hit.key) \n self[LRU_LIST].removeNode(node) \n } \n } \n \n \n class Entry { \n constructor (key,
value, length, now, maxAge) { \n this.key = key \n this.value = value \n this.length = length \n this.now =
now \n this.maxAge = maxAge || 0 \n } \n } \n \n \n const forEachStep = (self, fn, node, thisp) => { \n let hit =
node.value \n if (isStale(self, hit)) { \n del(self, node) \n if (!self[ALLOW_STALE]) \n hit = undefined \n } \n if

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(hit)\n  fn.call(thisp, hit.value, hit.key, self)\n}\n\nmodule.exports = LRUCache\n", "/*\n * Copyright (c)
Facebook, Inc. and its affiliates.\n *\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nexport default function testErrorStack()
{\n // If source maps are applied, this Error will have a stack frame with line 12.\n  throw Error("Test Error
stack");\n}\n\nexport const SOURCE_STACK_FRAME_LINE_NUMBER = 12;","use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value: true\n});\n\nexports.ForAwaitStatement =
exports.NumericLiteralTypeAnnotation = exports.ExistentialTypeParam = exports.SpreadProperty =
exports.RestProperty = exports.Flow = exports.Pure = exports.Generated = exports.User = exports.Var =
exports.BlockScoped = exports.Referenced = exports.Scope = exports.Expression = exports.Statement =
exports.BindingIdentifier = exports.ReferencedMemberExpression = exports.ReferencedIdentifier = void 0;\n\nvar t
= _interopRequireWildcard(require("@babel/types"));
\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nconst ReferencedIdentifier = {\n  types: ["Identifier",
"JSXIdentifier"],\n  checkPath(path, opts) {\n    const {\n      node,\n      parent\n    } = path;\n\n    if
(!t.isIdentifier(node, opts) && !t.isJSXMemberExpression(parent, opts)) {\n      if (t.isJSXIdentifier(node, opts)) {\n
        if (t.react.isCompatTag(node.name)) return false;\n      } else {\n        return false;\n      }\n    }\n\n    return
t.isReferenced(node, parent, path.parentPath.parent);\n  }\n};\n\nexports.ReferencedIdentifier =
ReferencedIdentifier;\n\nconst ReferencedMemberExpression = {\n  types: ["MemberExpression"],\n  checkPath({\n    node,\n    parent\n  }) {\n    return t.isMemberExpression(node) && t.isReferenced(node, parent);\n  }\n};\n\nexports.ReferencedMemberExpression = ReferencedMemberExpression;\n\nconst BindingIdentifier = {\n  types: ["Identifier"],\n  checkPath(path) {\n    const {\n      node,\n      parent\n    } = path;\n    const grandparent
= path.parentPath.parent;\n    return t.isIdentifier(node) && t.isBinding(node, parent, grandparent);\n  }\n};\n\nexports.BindingIdentifier = BindingIdentifier;\n\nconst Statement = {\n  types: ["Statement"],\n  checkPath({\n    node,\n    parent\n  }) {\n    if (t.isStatement(node)) {\n      if (t.isVariableDeclaration(node)) {\n
        if (t.isForXStatement(parent, {\n          left: node\n        })) return false;\n      } else if (t.isForStatement(parent, {\n
        init: node\n      })) return false;\n    }\n\n    return true;\n  } else {\n    return false;\n  }\n}\n};\n\nexports.Statement = Statement;\n\nconst Expression = {\n  types: ["Expression"],\n  checkPath(path) {\n    if (path.isIdentifier()) {\n      return path.isReferencedIdentifier();\n    } else {\n      return
t.isExpression(path.node);\n    }\n  }\n};\n\nexports.Expression = Expression;\n\nconst Scope = {\n  types:
["Scopable", "Pattern"],\n  checkPath(path) {\n    return t.isScope(path.node, path.parent);\n  }\n};\n\nexports.Scope = Scope;\n\nconst Referenced = {\n  checkPath(path) {\n    return t.isReferenced(path.node,
path.parent);\n  }\n};\n\nexports.Referenced = Referenced;\n\nconst BlockScoped = {\n  checkPath(path) {\n    return
t.isBlockScoped(path.node);\n  }\n};\n\nexports.BlockScoped = BlockScoped;\n\nconst Var = {\n  types:
["VariableDeclaration"],\n  checkPath(path) {\n    return t.isVar(path.node);\n  }\n};\n\nexports.Var =
Var;\n\nconst User = {\n  checkPath(path) {\n    return path.node && !path.node.loc;\n  }\n};\n\nexports.User =
User;\n\nconst Generated = {\n  checkPath(path) {\n    return !path.isUser();\n  }\n};\n\nexports.Generated =
Generated;\n\nconst Pure = {\n  checkPath(path, opts) {\n    return path.scope.isPure(path.node, opts);\n  }\n};\n\nexports.Pure = Pure;\n\nconst Flow = {\n  types: ["Flow", "ImportDeclaration", "ExportDeclaration",
"ImportSpecifier"],\n  checkPath({\n    node\n  }) {\n    if (t.isFlow(node)) {\n      return true;\n    } else if
(t.isImportDeclaration(node)) {\n      return node.importKind === "type" || node.importKind === "typeof";\n    }
else if (t.isExportDeclaration(node)) {\n      return node.exportKind === "type";\n    } else if

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(t.isImportSpecifier(node)) {\n    return node.importKind === `type` || node.importKind === `typeof`;\n  }
else {\n    return false;\n  }\n}\n\n};\n\nexports.Flow = Flow;\n\nconst RestProperty = {\n  types:
["RestElement"],\n  checkPath(path) {\n    return path.parentPath && path.parentPath.isObjectPattern();\n  }\n};\n\nexports.RestProperty = RestProperty;\n\nconst SpreadProperty = {\n  types: ["RestElement"],\n  checkPath(path) {\n    return path.parentPath && path.parentPath.isObjectExpression();\n  }\n};\n\nexports.SpreadProperty = SpreadProperty;\n\nconst ExistentialTypeParam = {\n  types:
["ExistsTypeAnnotation"]\n};\n\nexports.ExistentialTypeParam = ExistentialTypeParam;\n\nconst
NumericLiteralTypeAnnotation = {\n  types:
["NumberLiteralTypeAnnotation"]\n};\n\nexports.NumericLiteralTypeAnnotation =
NumericLiteralTypeAnnotation;\n\nconst ForAwaitStatement = {\n  types: ["ForOfStatement"],\n  checkPath({\n    node\n  }) {\n    return node.await === true;\n  }\n};\n\nexports.ForAwaitStatement = ForAwaitStatement;","use
strict";\n\nObject.defineProperty(exports, `__esModule`, {\n  value: true\n});\n\nexports.default =
buildMatchMemberExpression;\n\nvar _matchesPattern =
_interopRequireDefault(require(`./matchesPattern`));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction buildMatchMemberExpression(match, allowPartial) {\n  const
parts = match.split(`.`);\n  return member => (0, _matchesPattern.default)(member, parts, allowPartial);\n}","use
strict";\n\nObject.defineProperty(exports, `__esModule`, {\n  value: true\n});\n\nexports.default =
matchesPattern;\n\nvar _generated = require(`./generated`);\n\nfunction matchesPattern(member, match,
allowPartial) {\n  if (!(0, _generated.isMemberExpression)(member)) return false;\n  const parts =
Array.isArray(match) ? match : match.split(`.`);\n  const nodes = [];\n  let node;\n\n  for (node = member; (0,
_generated.isMemberExpression)(node); node = node.object) {\n    nodes.push(node.property);\n  }\n\n  nodes.push(node);\n  if (nodes.length < parts.length) return false;\n  if (!allowPartial && nodes.length >
parts.length) return false;\n\n  for (let i = 0, j = nodes.length - 1; i < parts.length; i++, j--) {\n    const node =
nodes[j];\n    let value;\n\n    if ((0, _generated.isIdentifier)(node)) {\n      value = node.name;\n    } else if ((0,
_generated.isStringLiteral)(node)) {\n      value = node.value;\n    } else {\n      return false;\n    }\n\n    if (parts[i]
!== value) return false;\n  }\n\n  return true;\n}","/**\n * Performs a\n * [SameValueZero](http://ecma-
international.org/ecma-262/7.0/#sec-samevaluezero)\n * comparison between two values to determine if they are
equivalent.\n * @static\n * @memberOf _\n * @since 4.0.0\n * @category Lang\n * @param {*} value The
value to compare.\n * @param {*} other The other value to compare.\n * @returns {boolean} Returns `true` if the
values are equivalent, else `false`.\n * @example\n *\n * var object = { 'a': 1 };\n * var other = { 'a': 1 };\n *\n * _
.eq(object, object); // => true\n * _ .eq(object, other); // => false\n * _ .eq('a', 'a'); // => true\n * _
.eq('a', Object('a')); // => false\n * _ .eq(NaN, NaN); // => true\n *\n * function eq(value, other) {\n
return value === other || (value !== value && other !== other);\n}\n\nmodule.exports = eq;\n","var baseGetTag =
require(`./_baseGetTag`),\n  isObject = require(`./isObject`);\n\n/**\n * `Object#toString` result references. *\n\nvar
asyncTag = [object AsyncFunction],\n  funcTag = [object Function],\n  genTag = [object
GeneratorFunction],\n  proxyTag = [object Proxy];\n\n/**\n * Checks if `value` is classified as a `Function`
object.\n * @static\n * @memberOf _\n * @since 0.1.0\n * @category Lang\n * @param {*} value The value
to check.\n * @returns {boolean} Returns `true` if `value` is a function, else `false`.\n * @example\n *\n *
_.isFunction(_); // => true\n * _ .isFunction(/abc/); // => false\n *\n * function isFunction(value) {\n  if
(!isObject(value)) {\n    return false;\n  }\n  // The use of `Object#toString` avoids issues with the `typeof` operator\n
// in Safari 9 which returns 'object' for typed arrays and other constructors.\n  var tag = baseGetTag(value);\n  return
tag == funcTag || tag == genTag || tag == asyncTag || tag == proxyTag;\n}\n\nmodule.exports = isFunction;\n","/**\n
Detect free variable `global` from Node.js. *\n\nvar freeGlobal = typeof global == 'object' && global &&
global.Object === Object && global;\n\nmodule.exports = freeGlobal;\n","/**\n * Used for built-in method references.
*\n\nvar funcProto = Function.prototype;\n\n/**\n * Used to resolve the decompiled source of functions. *\n\nvar
funcToString = funcProto.toString;\n\n/**\n * Converts `func` to its source code.\n * @private\n * @param
{Function} func The function to convert.\n * @returns {string} Returns the source code.\n *\n * function
toSource(func) {\n  if (func != null) {\n    try {\n      return funcToString.call(func);\n    } catch (e) {\n    }\n    try {\n

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return (func + ");\n  } catch (e) {\n  }\n  return ";\n}\n\nmodule.exports = toSource;\n", "var baseAssignValue =
require('./_baseAssignValue'),\n  eq = require('./eq');\n\n/** Used for built-in method references. */\nvar
objectProto = Object.prototype;\n\n/** Used to check objects for own properties. */\nvar hasOwnProperty =
objectProto.hasOwnProperty;\n\n/**\n * Assigns `value` to `key` of `object` if the existing value is not equivalent\n
* using [SameValueZero](http://ecma-international.org/ecma-262/7.0/#sec-samevaluezero)\n * for equality
comparisons.\n * @private\n * @param {Object} object The object to modify.\n * @param {string} key The
key of the property to assign.\n * @param {*} value The value to assign.\n */\nfunction assignValue(object, key,
value) {\n  var objValue = object[key];\n  if (!(hasOwnProperty.call(object, key) && eq(objValue, value)) ||\n
(value === undefined && !(key in object))) {\n    baseAssignValue(object, key, value);\n  }\n}\n\nmodule.exports =
assignValue;\n", "var defineProperty = require('./_defineProperty');\n\n/**\n * The base implementation of
`assignValue` and `assignMergeValue` without\n * value checks.\n * @private\n * @param {Object} object The
object to modify.\n * @param {string} key The key of the property to assign.\n * @param {*} value The value to
assign.\n */\nfunction baseAssignValue(object, key, value) {\n  if (key == '__proto__' && defineProperty) {\n
defineProperty(object, key, {\n    'configurable': true,\n    'enumerable': true,\n    'value': value,\n    'writable':
true\n  });\n  } else {\n    object[key] = value;\n  }\n}\n\nmodule.exports = baseAssignValue;\n", "var baseTimes =
require('./_baseTimes'),\n  isArguments = require('./isArguments'),\n  isArray = require('./isArray'),\n  isBuffer =
require('./isBuffer'),\n  isIndex = require('./isIndex'),\n  isTypedArray = require('./isTypedArray');\n\n/** Used
for built-in method references. */\nvar objectProto = Object.prototype;\n\n/** Used to check objects for own
properties. */\nvar hasOwnProperty = objectProto.hasOwnProperty;\n\n/**\n * Creates an array of the enumerable
property names of the array-like `value`.\n * @private\n * @param {*} value The value to query.\n * @param
{boolean} inherited Specify returning inherited property names.\n * @returns {Array} Returns the array of property
names.\n */\nfunction arrayLikeKeys(value, inherited) {\n  var isArr = isArray(value),\n    isArg = !isArr &&
isArguments(value),\n    isBuff = !isArr && !isArg && isBuffer(value),\n    isType = !isArr && !isArg &&
!isBuff && isTypedArray(value),\n    skipIndexes = isArr || isArg || isBuff || isType,\n    result = skipIndexes ?
baseTimes(value.length, String) : [],\n    length = result.length;\n\n  for (var key in value) {\n    if ((inherited ||
hasOwnProperty.call(value, key)) && \n      !(skipIndexes && (\n        // Safari 9 has enumerable
`arguments.length` in strict mode.\n        key == 'length' ||\n        // Node.js 0.10 has enumerable non-index
properties on buffers.\n        (isBuff && (key == 'offset' || key == 'parent')) ||\n        // PhantomJS 2 has
enumerable non-index properties on typed arrays.\n        (isType && (key == 'buffer' || key == 'byteLength' || key
== 'byteOffset')) ||\n        // Skip index properties.\n        isIndex(key, length)\n      ))) {\n      result.push(key);\n
    }\n  }\n  return result;\n}\n\nmodule.exports = arrayLikeKeys;\n", "var root = require('./_root'),\n  stubFalse =
require('./stubFalse');\n\n/** Detect free variable `exports`. */\nvar freeExports = typeof exports == 'object' &&
exports && !exports.nodeType && exports;\n\n/** Detect free variable `module`. */\nvar freeModule = freeExports
&& typeof module == 'object' && module && !module.nodeType && module;\n\n/** Detect the popular
CommonJS extension `module.exports`. */\nvar moduleExports = freeModule && freeModule.exports ===
freeExports;\n\n/** Built-in value references. */\nvar Buffer = moduleExports ? root.Buffer : undefined;\n\n/** Built-
in method references for those with the same name as other `lodash` methods. */\nvar nativeIsBuffer = Buffer ?
Buffer.isBuffer : undefined;\n\n/**\n * Checks if `value` is a buffer.\n * @static\n * @memberOf _\n * @since
4.3.0\n * @category Lang\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if
`value` is a buffer, else `false`.\n * @example\n * _._isBuffer(new Buffer(2));\n * // => true\n * _._isBuffer(new
Uint8Array(2));\n * // => false\n */\nvar isBuffer = nativeIsBuffer || stubFalse;\n\nmodule.exports =
isBuffer;\n", "/* Used as references for various `Number` constants. */\nvar MAX_SAFE_INTEGER =
9007199254740991;\n\n/**\n * Checks if `value` is a valid array-like length.\n * **Note:** This method is
loosely based on\n * [`ToLength`](http://ecma-international.org/ecma-262/7.0/#sec-tolength).\n * @static\n *
@memberOf _\n * @since 4.0.0\n * @category Lang\n * @param {*} value The value to check.\n * @returns
{boolean} Returns `true` if `value` is a valid length, else `false`.\n * @example\n * _._isLength(3);\n * // =>
true\n * _._isLength(Number.MIN_VALUE);\n * // => false\n * _._isLength(Infinity);\n * // => false\n * _._isLength('3');\n * // => false\n */\nfunction isLength(value) {\n  return typeof value == 'number' &&\n    value > -1

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&& value % 1 == 0 && value <= MAX_SAFE_INTEGER;\n\nmodule.exports = isLength;\n", "/*\n * Creates a
unary function that invokes `func` with its argument transformed.\n *\n * @private\n * @param {Function} func
The function to wrap.\n *\n * @param {Function} transform The argument transform.\n *\n * @returns {Function} Returns
the new function.\n */\nfunction overArg(func, transform) {\n  return function(arg) {\n    return
func(transform(arg));\n  };\n}\n\nmodule.exports = overArg;\n", "var isFunction = require('./isFunction'),\n
isLength = require('./isLength');\n\n/**\n * Checks if `value` is array-like. A value is considered array-like if it's\n *
not a function and has a `value.length` that's an integer greater than or\n * equal to `0` and less than or equal to
`Number.MAX_SAFE_INTEGER`.\n *\n * @static\n * @memberOf _\n * @since 4.0.0\n * @category Lang\n *
@param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is array-like, else `false`.\n
*\n * @example\n *\n * _isArrayLike([1, 2, 3]);\n * // => true\n *\n * _isArrayLike(document.body.children);\n * //
=> true\n *\n * _isArrayLike('abc');\n * // => true\n *\n * _isArrayLike(_.noop);\n * // => false\n */\nfunction
isArrayLike(value) {\n  return value != null && isLength(value.length) &&
!isFunction(value);\n}\n\nmodule.exports = isArrayLike;\n", "/*\n * This method returns a new empty array.\n *\n *
@static\n * @memberOf _\n * @since 4.13.0\n * @category Util\n * @returns {Array} Returns the new empty
array.\n *\n * @example\n *\n * var arrays = _.times(2, _.stubArray);\n *\n * console.log(arrays);\n * // => [[], []]\n *\n
* console.log(arrays[0] === arrays[1]);\n * // => false\n */\nfunction stubArray() {\n  return
[];\n}\n\nmodule.exports = stubArray;\n", "var arrayPush = require('./_arrayPush'),\n  getPrototype =
require('./_getPrototype'),\n  getSymbols = require('./_getSymbols'),\n  stubArray = require('./stubArray');\n\n/*
Built-in method references for those with the same name as other `lodash` methods. *\nvar nativeGetSymbols =
Object.getOwnPropertySymbols;\n\n/**\n * Creates an array of the own and inherited enumerable symbols of
`object`.\n *\n * @private\n * @param {Object} object The object to query.\n * @returns {Array} Returns the array
of symbols.\n */\nvar getSymbolsIn = !nativeGetSymbols ? stubArray : function(object) {\n  var result = [];\n  while
(object) {\n    arrayPush(result, getSymbols(object));\n    object = getPrototype(object);\n  }\n  return
result;\n};\n\nmodule.exports = getSymbolsIn;\n", "/*\n * Appends the elements of `values` to `array`.\n *\n *
@private\n * @param {Array} array The array to modify.\n * @param {Array} values The values to append.\n *
@returns {Array} Returns `array`.\n */\nfunction arrayPush(array, values) {\n  var index = -1,\n    length =
values.length,\n    offset = array.length;\n\n  while (++index < length) {\n    array[offset + index] = values[index];\n
}\n  return array;\n}\n\nmodule.exports = arrayPush;\n", "var arrayPush = require('./_arrayPush'),\n  isArray =
require('./isArray');\n\n/**\n * The base implementation of `getAllKeys` and `getAllKeysIn` which uses\n *
`keysFunc` and `symbolsFunc` to get the enumerable property names and\n * symbols of `object`.\n *\n *
@private\n * @param {Object} object The object to query.\n * @param {Function} keysFunc The function to get
the keys of `object`.\n * @param {Function} symbolsFunc The function to get the symbols of `object`.\n * @returns
{Array} Returns the array of property names and symbols.\n */\nfunction baseGetAllKeys(object, keysFunc,\n
symbolsFunc) {\n  var result = keysFunc(object);\n  return isArray(object) ? result : arrayPush(result,\n
symbolsFunc(object));\n}\n\nmodule.exports = baseGetAllKeys;\n", "use strict;\n\nlet fastProto = null;\n\n// Creates
an object with permanently fast properties in V8. See Toon Verwaest's\n// post
https://medium.com/@tverwaes/setting-up-prototypes-in-v8-ec9c9491dfe2#5f62\n// for more details. Use
`%HasFastProperties(object)` and the Node.js flag\n// `--allow-natives-syntax` to check whether an object has fast
properties.\n\nfunction FastObject(o) {\n  // A prototype object will have `"fast properties"` enabled once it is
checked\n  // against the inline property cache of a function, e.g. `fastProto.property`;\n  //
https://github.com/v8/v8/blob/6.0.122/test/mjsunit/fast-prototype.js#L48-L63\n  if (fastProto !== null && typeof
fastProto.property) {\n    const result = fastProto;\n    fastProto = FastObject.prototype = null;\n    return
result;\n  }\n  fastProto = FastObject.prototype = o == null ? Object.create(null) : o;\n  return new
FastObject;\n}\n\n// Initialize the inline property cache of FastObject\nFastObject();\n\nmodule.exports = function
toFastProperties(o) {\n  return FastObject(o);\n};\n\n"use strict";\n\nObject.defineProperty(exports,\n
"__esModule", {\n  value: true\n});\n\nexports.default = isPlaceholderType;\n\nvar _definitions =
require("../definitions");\n\nfunction isPlaceholderType(placeholderType, targetType) {\n  if (placeholderType
=== targetType) return true;\n  const aliases = _definitions.PLACEHOLDERS_ALIAS[placeholderType];\n  if

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(alias) {\n  for (const alias of aliases) {\n    if (targetType === alias) return true;\n  }\n}\n\n return
false;\n}", "\"use strict\"";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.PLACEHOLDERS_FLIPPED_ALIAS = exports.PLACEHOLDERS_ALIAS =
exports.PLACEHOLDERS = void 0;\n\nvar _utils = require(\"../utils\");\n\nconst PLACEHOLDERS =
[\"Identifier\", \"StringLiteral\", \"Expression\", \"Statement\", \"Declaration\", \"BlockStatement\", \"ClassBody\",
\"Pattern\"];\n\nexports.PLACEHOLDERS = PLACEHOLDERS;\n\nconst PLACEHOLDERS_ALIAS = {\n
Declaration: [\"Statement\"],\n Pattern: [\"PatternLike\", \"LVal\"]\n};\n\nexports.PLACEHOLDERS_ALIAS =
PLACEHOLDERS_ALIAS;\n\nfor (const type of PLACEHOLDERS) {\n  const alias =
_utils.ALIAS_KEYS[type];\n  if (alias === null ? void 0 : alias.length) PLACEHOLDERS_ALIAS[type] =
alias;\n}\n\nconst PLACEHOLDERS_FLIPPED_ALIAS = {};\n\nexports.PLACEHOLDERS_FLIPPED_ALIAS =
PLACEHOLDERS_FLIPPED_ALIAS;\n\nObject.keys(PLACEHOLDERS_ALIAS).forEach(type => {\n
PLACEHOLDERS_ALIAS[type].forEach(alias => {\n  if
(!Object.hasOwnProperty.call(PLACEHOLDERS_FLIPPED_ALIAS, alias)) {\n
PLACEHOLDERS_FLIPPED_ALIAS[alias] = [];\n  }\n\n
PLACEHOLDERS_FLIPPED_ALIAS[alias].push(type);\n  });\n});\n\n}, "\"use
strict\"";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default = isNode;\n\nvar
_definitions = require(\"../definitions\");\n\nfunction isNode(node) {\n  return !(node &&
_definitions.VISITOR_KEYS[node.type]);\n}\n\n}, "\"use strict\"";\n\nObject.defineProperty(exports, \"__esModule\",
{\n value: true\n});\n\nexports.default = removeTypeDuplicates;\n\nvar _generated =
require(\"../validators/generated\");\n\nfunction removeTypeDuplicates(nodes) {\n  const generics = {};\n  const
bases = {};\n  const typeGroups = [];\n  const types = [];\n\n  for (let i = 0; i < nodes.length; i++) {\n  const node =
nodes[i];\n  if (!node) continue;\n\n  if (types.indexOf(node) >= 0) {\n  continue;\n  }\n\n  if ((0,
_generated.isAnyTypeAnnotation)(node)) {\n  return [node];\n  }\n\n  if ((0,
_generated.isFlowBaseAnnotation)(node)) {\n  bases[node.type] = node;\n  continue;\n  }\n\n  if ((0,
_generated.isUnionTypeAnnotation)(node)) {\n  if (typeGroups.indexOf(node.types) < 0) {\n  nodes =
nodes.concat(node.types);\n  typeGroups.push(node.types);\n  }\n\n  continue;\n  }\n\n  if ((0,
_generated.isGenericTypeAnnotation)(node)) {\n  const name = node.id.name;\n\n  if (generics[name]) {\n
let existing = generics[name];\n\n  if (existing.typeParameters) {\n  if (node.typeParameters) {\n
existing.typeParameters.params =
removeTypeDuplicates(existing.typeParameters.params.concat(node.typeParameters.params));\n  }\n  }\n  }
else {\n  existing = node.typeParameters;\n  }\n  } else {\n  generics[name] = node;\n  }\n\n
continue;\n  }\n\n  types.push(node);\n  }\n\n  for (const type of Object.keys(bases)) {\n
types.push(bases[type]);\n  }\n\n  for (const name of Object.keys(generics)) {\n  types.push(generics[name]);\n
}\n\n  return types;\n}\n\n}, "\"use strict\"";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.default = addComments;\n\nfunction addComments(node, type, comments) {\n  if (!comments ||
!node) return node;\n  const key = `${type}Comments`;\n\n  if (node[key]) {\n  if (type === \"leading\") {\n
node[key] = comments.concat(node[key]);\n  } else {\n  node[key] = node[key].concat(comments);\n  }\n  }
else {\n  node[key] = comments;\n  }\n\n  return node;\n}\n\n}, "\"use strict\"";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\n\nexports.default = inheritInnerComments;\n\nvar _inherit =
_interopRequireDefault(require(\"../utils/inherit\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction inheritInnerComments(child, parent) {\n  (0,
_inherit.default)(\"innerComments\", child, parent);\n}\n\n}, "\"use strict\"";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\n\nexports.default = inheritLeadingComments;\n\nvar _inherit =
_interopRequireDefault(require(\"../utils/inherit\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction inheritLeadingComments(child, parent) {\n  (0,
_inherit.default)(\"leadingComments\", child, parent);\n}\n\n}, "\"use strict\"";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\n\nexports.default = inheritsComments;\n\nvar _inheritTrailingComments =
_interopRequireDefault(require(\"../inheritTrailingComments\"));\n\nvar _inheritLeadingComments =

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_interopRequireDefault(require(\"../inheritLeadingComments\"));
\n\nvar _inheritInnerComments =
_interopRequireDefault(require(\"../inheritInnerComments\"));
\n\nfunction _interopRequireDefault(obj) { return obj
&& obj.__esModule ? obj : { default: obj }; }
\n\nfunction inheritsComments(child, parent) {
\n (0,
_inheritTrailingComments.default)(child, parent);
\n (0, _inheritLeadingComments.default)(child, parent);
\n (0,
_inheritInnerComments.default)(child, parent);
\n return child;
\n}, \"use strict\";
\n\nObject.defineProperty(exports,
\"__esModule\", {
\n value: true
\n});
\n\nexports.default = inheritTrailingComments;
\n\nvar _inherit =
_interopRequireDefault(require(\"../utils/inherit\"));
\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }
\n\nfunction inheritTrailingComments(child, parent) {
\n (0,
_inherit.default)(\"trailingComments\", child, parent);
\n}, \"use strict\";
\n\nObject.defineProperty(exports,
\"__esModule\", {
\n value: true
\n});
\n\nexports.default =
toBlock;
\n\nvar _generated =
require(\"../validators/generated\");
\n\nvar _generated2 = require(\"../builders/generated\");
\n\nfunction
toBlock(node, parent) {
\n if ((0, _generated.isBlockStatement)(node)) {
\n return node;
\n }
\n\n let blockNodes =
[];
\n\n if ((0, _generated.isEmptyStatement)(node)) {
\n blockNodes = [];
\n }
\n else {
\n if (!(0,
_generated.isStatement)(node)) {
\n if ((0, _generated.isFunction)(parent)) {
\n node = (0,
_generated2.returnStatement)(node);
\n }
\n else {
\n node = (0, _generated2.expressionStatement)(node);
\n }
\n }
\n\n blockNodes = [node];
\n }
\n\n return (0, _generated2.blockStatement)(blockNodes);
\n}, \"use
strict\";
\n\nObject.defineProperty(exports, \"__esModule\", {
\n value: true
\n});
\n\nexports.default =
toIdentifier;
\n\nvar _isValidIdentifier =
_interopRequireDefault(require(\"../validators/isValidIdentifier\"));
\n\nfunction _interopRequireDefault(obj) {
return obj && obj.__esModule ? obj : { default: obj }; }
\n\nfunction toIdentifier(name) {
\n name = name + \"\";
\n name = name.replace(/^[^a-zA-Z0-9$_]/g, \"-\");
\n name = name.replace(/^[^0-9]+/, \"\");
\n name = name.replace(/[\s]+(\.)?/g, function (match, c) {
return c ? c.toUpperCase() : \"\");
\n });
\n\n if (!(0,
_isValidIdentifier.default)(name)) {
\n name = `_${name}`;
\n }
\n\n return name || \"_\";
\n}, \"use
strict\";
\n\nObject.defineProperty(exports, \"__esModule\", {
\n value: true
\n});
\n\nexports.default =
removePropertiesDeep;
\n\nvar _traverseFast = _interopRequireDefault(require(\"../traverse/traverseFast\"));
\n\nvar
_removeProperties = _interopRequireDefault(require(\"../removeProperties\"));
\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }
\n\nfunction
removePropertiesDeep(tree, opts) {
\n (0, _traverseFast.default)(tree, _removeProperties.default, opts);
\n return
tree;
\n}, \"use strict\";
\n\nObject.defineProperty(exports, \"__esModule\", {
\n value: true
\n});
\n\nexports.default =
traverseFast;
\n\nvar _definitions = require(\"../definitions\");
\n\nfunction traverseFast(node, enter, opts) {
\n if
(!node) return;
\n const keys = _definitions.VISITOR_KEYS[node.type];
\n if (!keys) return;
\n opts = opts || {};
\n enter(node, opts);
\n\n for (const key of keys) {
\n const subNode = node[key];
\n\n if (Array.isArray(subNode))
{
\n for (const node of subNode) {
\n traverseFast(node, enter, opts);
\n }
\n }
\n else {
\n traverseFast(subNode, enter, opts);
\n }
\n }
\n}, \"use strict\";
\n\nObject.defineProperty(exports, \"__esModule\",
{
\n value: true
\n});
\n\nexports.default = removeProperties;
\n\nvar _constants = require(\"../constants\");
\n\nconst
CLEAR_KEYS = [\"tokens\", \"start\", \"end\", \"loc\", \"raw\", \"rawValue\"];
\n\nconst
CLEAR_KEYS_PLUS_COMMENTS =
_constants.COMMENT_KEYS.concat([\"comments\"]).concat(CLEAR_KEYS);
\n\nfunction
removeProperties(node, opts = {}) {
\n const map = opts.preserveComments ? CLEAR_KEYS :
CLEAR_KEYS_PLUS_COMMENTS;
\n\n for (const key of map) {
\n if (node[key] != null) node[key] =
undefined;
\n }
\n\n for (const key of Object.keys(node)) {
\n if (key[0] === \"_\" && node[key] != null) node[key]
= undefined;
\n }
\n\n const symbols = Object.getOwnPropertySymbols(node);
\n\n for (const sym of symbols) {
\n node[sym] = null;
\n }
\n}, \"use strict\";
\n\nObject.defineProperty(exports, \"__esModule\", {
\n value:
true
\n});
\n\nexports.default = isLet;
\n\nvar _generated = require(\"../generated\");
\n\nvar _constants =
require(\"../constants\");
\n\nfunction isLet(node) {
\n return (0, _generated.isVariableDeclaration)(node) &&
(node.kind !== \"var\" || node[_constants.BLOCK_SCOPED_SYMBOL]);
\n}, \"\n/*\n * This is the common logic
for both the Node.js and web browser\n * implementations of `debug().\n *\n\nfunction setup(env)
{\n\tcreateDebug.debug = createDebug;\n\tcreateDebug.default = createDebug;\n\tcreateDebug.coerce =

```



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coerce;\n\tcreateDebug.disable = disable;\n\tcreateDebug.enable = enable;\n\tcreateDebug.enabled =
enabled;\n\tcreateDebug.humanize = require('ms');\n\tObject.keys(env).forEach(key => {\n\t\tcreateDebug[key] =
env[key];\n\t});\n\t/**\n\t * Active `debug` instances.\n\t */\n\tcreateDebug.instances = [];\n\t/**\n\t * The
currently active debug mode names, and names to skip.\n\t */\n\tcreateDebug.names = [];\n\tcreateDebug.skips =
[];\n\t/**\n\t * Map of special \"%n\" handling functions, for the debug \"format\" argument.\n\t */\n\t Valid key
names are a single, lower or upper-case letter, i.e. \"n\" and \"N\".\n\t */\n\tcreateDebug.formatters = {};\n\t/**\n\t *
Selects a color for a debug namespace\n\t * @param {String} namespace The namespace string for the for the debug
instance to be colored\n\t * @return {Number|String} An ANSI color code for the given namespace\n\t * @api
private\n\t */\n\tfunction selectColor(namespace) {\n\t\tlet hash = 0;\n\t\tfor (let i = 0; i < namespace.length; i++)
{\n\t\t\tthash = ((hash << 5) - hash) + namespace.charCodeAt(i);\n\t\t\tthash |= 0; // Convert to 32bit
integer\n\t\t}\n\t\treturn createDebug.colors[Math.abs(hash) %
createDebug.colors.length];\n\t}\n\tcreateDebug.selectColor = selectColor;\n\t/**\n\t * Create a debugger with the
given `namespace`.\n\t * @param {String} namespace\n\t * @return {Function}\n\t * @api
public\n\t */\n\tfunction createDebug(namespace) {\n\t\tlet prevTime;\n\t\tfunction debug(...args) {\n\t\t\t//
Disabled?\n\t\t\tif (!debug.enabled) {\n\t\t\t\treturn;\n\t\t\t}\n\t\t\tconst self = debug;\n\t\t\t// Set `diff`
timestamp\n\t\t\tconst curr = Number(new Date());\n\t\t\tconst ms = curr - (prevTime || curr);\n\t\t\tself.diff =
ms;\n\t\t\tself.prev = prevTime;\n\t\t\tself.curr = curr;\n\t\t\tprevTime = curr;\n\t\t\targs[0] =
createDebug.coerce(args[0]);\n\t\t\tif (typeof args[0] !== 'string') {\n\t\t\t\t// Anything else let's inspect with
%O\n\t\t\t\targs.unshift('%O');\n\t\t\t}\n\t\t\t// Apply any `formatters` transformations\n\t\t\tlet index =
0;\n\t\t\targs[0] = args[0].replace(/%([a-zA-Z%])/g, (match, format) => {\n\t\t\t\t// If we encounter an escaped %
then don't increase the array index\n\t\t\t\tif (match === '%') {\n\t\t\t\t\treturn
match;\n\t\t\t\t}\n\t\t\t\tindex++;\n\t\t\t\tconst formatter = createDebug.formatters[format];\n\t\t\t\tif (typeof formatter
=== 'function') {\n\t\t\t\t\tconst val = args[index];\n\t\t\t\t\tmatch = formatter.call(self, val);\n\t\t\t\t\t// Now we
need to remove `args[index]` since it's inlined in the `format`\n\t\t\t\t\targs.splice(index, 1);\n\t\t\t\t\tindex--;\n\t\t\t\t}\n\t\t\t\treturn match;\n\t\t\t});\n\t\t\t// Apply env-specific formatting (colors,
etc.)\n\t\t\tcreateDebug.formatArgs.call(self, args);\n\t\t\tconst logFn = self.log ||
createDebug.log;\n\t\t\tlogFn.apply(self, args);\n\t\t\t\n\t\t\tdebug.namespace = namespace;\n\t\t\tdebug.enabled =
createDebug.enabled(namespace);\n\t\t\tdebug.useColors = createDebug.useColors();\n\t\t\tdebug.color =
selectColor(namespace);\n\t\t\tdebug.destroy = destroy;\n\t\t\tdebug.extend = extend;\n\t\t\t// Debug.formatArgs =
formatArgs;\n\t\t\t// debug.rawLog = rawLog;\n\t\t\t// env-specific initialization logic for debug instances\n\t\t\tif
(typeof createDebug.init === 'function')
{\n\t\t\t\tcreateDebug.init(debug);\n\t\t\t}\n\t\t\tcreateDebug.instances.push(debug);\n\t\t\treturn
debug;\n\t\t}\n\t\tfunction destroy() {\n\t\t\tconst index = createDebug.instances.indexOf(this);\n\t\t\tif (index !== -1)
{\n\t\t\t\tcreateDebug.instances.splice(index, 1);\n\t\t\t\treturn true;\n\t\t\t}\n\t\t\treturn false;\n\t\t}\n\t\tfunction
extend(namespace, delimiter) {\n\t\t\tconst newDebug = createDebug(this.namespace + (typeof delimiter ===
'undefined' ? ':' : delimiter) + namespace);\n\t\t\tnewDebug.log = this.log;\n\t\t\treturn newDebug;\n\t\t}\n\t\t/**\n\t\t *
Enables a debug mode by namespaces. This can include modes\n\t\t * separated by a colon and wildcards.\n\t\t */\n\t\t\n\t\t @param {String} namespaces\n\t\t * @api public\n\t\t */\n\t\tfunction enable(namespaces)
{\n\t\t\tcreateDebug.save(namespaces);\n\t\t\tcreateDebug.names = [];\n\t\t\tcreateDebug.skips = [];\n\t\t\tlet
i;\n\t\t\tconst split = (typeof namespaces === 'string' ? namespaces : '').split(/[\s,]+/);\n\t\t\tconst len =
split.length;\n\t\t\tfor (i = 0; i < len; i++) {\n\t\t\t\tif (!split[i]) {\n\t\t\t\t\t// ignore empty
strings\n\t\t\t\t\tcontinue;\n\t\t\t\t}\n\t\t\t\tnamespaces = split[i].replace(/\/g, '\\');\n\t\t\t\tif (namespaces[0] === '-')
{\n\t\t\t\t\tcreateDebug.skips.push(new RegExp('^' + namespaces.substr(1) + '$'));\n\t\t\t\t}\n\t\t\t\telse
{\n\t\t\t\t\tcreateDebug.names.push(new RegExp('^' + namespaces + '$'));\n\t\t\t\t}\n\t\t\t\t\n\t\t\t\tfor (i = 0; i <
createDebug.instances.length; i++) {\n\t\t\t\t\tconst instance = createDebug.instances[i];\n\t\t\t\t\tinstance.enabled =
createDebug.enabled(instance.namespace);\n\t\t\t\t}\n\t\t\t}\n\t\t\t\n\t\t\t/**\n\t\t\t * Disable debug output.\n\t\t\t */\n\t\t\t\n\t\t\t @return {String}
namespaces\n\t\t\t * @api public\n\t\t\t */\n\t\t\tfunction disable() {\n\t\t\t\tconst namespaces =
[\n\t\t\t\t\t...createDebug.names.map(toNamespace),\n\t\t\t\t\t...createDebug.skips.map(toNamespace).map(namespace =>

```



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break;\n\n case \"Import\":\n  parts.push(\"import\");\n  break;\n\n case \"DoExpression\":\n  parts.push(\"do\");\n  break;\n\n case \"YieldExpression\":\n  parts.push(\"yield\");\n  gatherNodeParts(node.argument, parts);\n  break;\n\n case \"AwaitExpression\":\n  parts.push(\"await\");\n  gatherNodeParts(node.argument, parts);\n  break;\n\n case \"AssignmentExpression\":\n  gatherNodeParts(node.left, parts);\n  break;\n\n case \"VariableDeclarator\":\n  gatherNodeParts(node.id,\n  parts);\n  break;\n\n case \"FunctionExpression\":\n  case \"FunctionDeclaration\":\n  case\n  \"ClassExpression\":\n  case \"ClassDeclaration\":\n  gatherNodeParts(node.id, parts);\n  break;\n\n case\n  \"PrivateName\":\n  gatherNodeParts(node.id, parts);\n  break;\n\n case \"ParenthesizedExpression\":\n  gatherNodeParts(node.expression, parts);\n  break;\n\n case \"UnaryExpression\":\n  case\n  \"UpdateExpression\":\n  gatherNodeParts(node.argument, parts);\n  break;\n\n case \"MetaProperty\":\n  gatherNodeParts(node.meta, parts);\n  gatherNodeParts(node.property, parts);\n  break;\n\n case\n  \"JSXElement\":\n  gatherNodeParts(node.openingElement, parts);\n  break;\n\n case\n  \"JSXOpeningElement\":\n  parts.push(node.name);\n  break;\n\n case \"JSXFragment\":\n  gatherNodeParts(node.openingFragment, parts);\n  break;\n\n case \"JSXOpeningFragment\":\n  parts.push(\"Fragment\");\n  break;\n\n case \"JSXNamespacedName\":\n  gatherNodeParts(node.namespace,\n  parts);\n  gatherNodeParts(node.name, parts);\n  break;\n\n }\n\n\nconst collectorVisitor = {\n  For(path) {\n    for (const key of t.FOR_INIT_KEYS) {\n      const declar = path.get(key);\n      if (declar.isVar()) {\n        const\n        parentScope = path.scope.getFunctionParent() || path.scope.getProgramParent();\n        parentScope.registerBinding(\"var\", declar);\n      }\n    }\n  },\n  Declaration(path) {\n    if (path.isBlockScoped())\n    return;\n\n    if (path.isExportDeclaration() && path.get(\"declaration\").isDeclaration()) {\n      return;\n    }\n\n    const parent = path.scope.getFunctionParent() || path.scope.getProgramParent();\n    parent.registerDeclaration(path);\n  },\n  ReferencedIdentifier(path, state) {\n    state.references.push(path);\n  },\n  ForXStatement(path, state) {\n    const left = path.get(\"left\");\n    if (left.isPattern() || left.isIdentifier()) {\n      state.constantViolations.push(path);\n    }\n  },\n  ExportDeclaration: {\n    exit(path) {\n      const {\n        node,\n        scope\n      } = path;\n      const declar = node.declaration;\n      if (t.isClassDeclaration(declar) ||\n      t.isFunctionDeclaration(declar)) {\n        const id = declar.id;\n        if (!id) return;\n        const binding =\n        scope.getBinding(id.name);\n        if (binding) binding.reference(path);\n      } else if\n      (t.isVariableDeclaration(declar)) {\n        for (const decl of declar.declarations) {\n          for (const name of\n          Object.keys(t.getBindingIdentifiers(decl))) {\n            const binding = scope.getBinding(name);\n            if (binding)\n            binding.reference(path);\n          }\n        }\n      },\n  LabeledStatement(path) {\n    path.scope.getProgramParent().addGlobal(path.node);\n    path.scope.getBlockParent().registerDeclaration(path);\n  },\n  AssignmentExpression(path, state) {\n    state.assignments.push(path);\n  },\n  UpdateExpression(path,\n  state) {\n    state.constantViolations.push(path);\n  },\n  UnaryExpression(path, state) {\n    if (path.node.operator\n    === \"delete\") {\n      state.constantViolations.push(path);\n    }\n  },\n  BlockScoped(path) {\n    let scope =\n    path.scope;\n    if (scope.path === path) scope = scope.parent;\n    const parent = scope.getBlockParent();\n    parent.registerDeclaration(path);\n\n    if (path.isClassDeclaration() && path.node.id) {\n      const id =\n      path.node.id;\n      const name = id.name;\n      path.scope.bindings[name] = path.scope.parent.getBinding(name);\n    }\n  },\n  Block(path) {\n    const paths = path.get(\"body\");\n    for (const bodyPath of paths) {\n      if\n      (bodyPath.isFunctionDeclaration()) {\n        path.scope.getBlockParent().registerDeclaration(bodyPath);\n      }\n    }\n  },\n  CatchClause(path) {\n    path.scope.registerBinding(\"let\", path);\n  },\n  Function(path) {\n    if\n    (path.isFunctionExpression() && path.has(\"id\") && !path.get(\"id\").node[t.NOT_LOCAL_BINDING]) {\n      path.scope.registerBinding(\"local\", path.get(\"id\"), path);\n    }\n\n    const params = path.get(\"params\");\n    for (const param of params) {\n      path.scope.registerBinding(\"param\", param);\n    }\n  },\n  ClassExpression(path) {\n    if (path.has(\"id\") && !path.get(\"id\").node[t.NOT_LOCAL_BINDING]) {\n      path.scope.registerBinding(\"local\", path);\n    }\n  }\n};\n\nlet uid = 0;\n\nclass Scope {\n  constructor(path) {\n    const {\n      node\n    } = path;\n\n    const cached = _cache.scope.get(node);\n    if ((cached === null ? void 0 :\n    cached.path) === path) {\n      return cached;\n    }\n\n    _cache.scope.set(node, this);\n\n    this.uid = uid++;\n    this.block = node;\n    this.path = path;\n    this.labels = new Map();\n    this.inited = false;\n  }\n  get parent() {\n

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const parent = this.path.findParent(p => p.isScope());\n  return parent == null ? void 0 : parent.scope;\n }\n\n get
parentBlock() {\n  return this.path.parent;\n }\n\n get hub() {\n  return this.path.hub;\n }\n\n traverse(node,
opts, state) {\n  (0, _index.default)(node, opts, this, state, this.path);\n }\n\n generateDeclaredUidIdentifier(name)
{\n  const id = this.generateUidIdentifier(name);\n  this.push({\n    id\n  });\n  return t.cloneNode(id);\n }\n\n
generateUidIdentifier(name) {\n  return t.identifier(this.generateUid(name));\n }\n\n generateUid(name =
`temp`) {\n  name = t.toIdentifier(name).replace(/^-+/, ``).replace(/[0-9]+$/, ``);\n  let uid;\n  let i = 1;\n\n
do {\n  uid = this._generateUid(name, i);\n  i++;\n  } while (this.hasLabel(uid) || this.hasBinding(uid) ||
this.hasGlobal(uid) || this.hasReference(uid));\n\n  const program = this.getProgramParent();\n
program.references[uid] = true;\n  program.uids[uid] = true;\n  return uid;\n }\n\n _generateUid(name, i) {\n
let id = name;\n  if (i > 1) id += i;\n  return `_${id}`;\n }\n\n generateUidBasedOnNode(node, defaultName) {\n
const parts = [];\n  gatherNodeParts(node, parts);\n  let id = parts.join(``);\n  id = id.replace(/^-+/, ``) ||
defaultName || `ref`;\n  return this.generateUid(id.slice(0, 20));\n }\n\n
generateUidIdentifierBasedOnNode(node, defaultName) {\n  return
t.identifier(this.generateUidBasedOnNode(node, defaultName));\n }\n\n isStatic(node) {\n  if
(t.isThisExpression(node) || t.isSuper(node)) {\n    return true;\n  }\n\n  if (t.isIdentifier(node)) {\n    const
binding = this.getBinding(node.name);\n    if (binding) {\n      return binding.constant;\n    } else {\n      return
this.hasBinding(node.name);\n    }\n  }\n\n  return false;\n }\n\n maybeGenerateMemoised(node, dontPush) {\n
if (this.isStatic(node)) {\n  return null;\n } else {\n  const id =
this.generateUidIdentifierBasedOnNode(node);\n\n  if (!dontPush) {\n    this.push({\n      id\n    });\n
return t.cloneNode(id);\n  }\n\n  return id;\n }\n }\n\n checkBlockScopedCollisions(local, kind, name, id)
{\n  if (kind === `param`) return;\n  if (local.kind === `local`) return;\n  const duplicate = kind === `let` ||
local.kind === `let` || local.kind === `const` || local.kind === `module` || local.kind === `param` && (kind
=== `let` || kind === `const`);\n\n  if (duplicate) {\n    throw this.hub.buildError(id, `Duplicate declaration
`+name, TypeError);\n  }\n }\n\n rename(oldName, newName, block) {\n  const binding =
this.getBinding(oldName);\n\n  if (binding) {\n    newName = newName ||
this.generateUidIdentifier(oldName).name;\n    return new _renamer.default(binding, oldName,
newName).rename(block);\n  }\n }\n\n _renameFromMap(map, oldName, newName, value) {\n  if
(map[oldName]) {\n    map[newName] = value;\n    map[oldName] = null;\n  }\n }\n\n dump() {\n  const sep
= `-\`.repeat(60);\n  console.log(sep);\n  let scope = this;\n\n  do {\n    console.log(`#`, scope.block.type);\n\n
for (const name of Object.keys(scope.bindings)) {\n    const binding = scope.bindings[name];\n
console.log(`-`, name, {\n      constant: binding.constant,\n      references: binding.references,\n
violations: binding.constantViolations.length,\n      kind: binding.kind\n    });\n  }\n  } while (scope =
scope.parent);\n\n  console.log(sep);\n }\n\n toArray(node, i, allowArrayLike) {\n  if (t.isIdentifier(node)) {\n
const binding = this.getBinding(node.name);\n\n  if ((binding == null ? void 0 : binding.constant) &&
binding.path.isGenericType(`Array`)) {\n    return node;\n  }\n\n  if (t.isArrayExpression(node)) {\n
return node;\n }\n\n  if (t.isIdentifier(node, {\n    name: `arguments`\n  })) {\n    return
t.callExpression(t.memberExpression(t.memberExpression(t.memberExpression(t.identifier(`Array`),
t.identifier(`prototype`)), t.identifier(`slice`)), t.identifier(`call`)), [node]);\n  }\n\n  let helperName;\n  const
args = [node];\n\n  if (i === true) {\n    helperName = `toConsumableArray`;\n  } else if (i) {\n
args.push(t.numericLiteral(i));\n    helperName = `slicedToArray`;\n  } else {\n    helperName = `toArray`;\n
}\n\n  if (allowArrayLike) {\n    args.unshift(this.hub.addHelper(helperName));\n    helperName =
`maybeArrayLike`;\n  }\n\n  return t.callExpression(this.hub.addHelper(helperName), args);\n }\n\n
hasLabel(name) {\n  return !!this.getLabel(name);\n }\n\n getLabel(name) {\n  return this.labels.get(name);\n
}\n\n registerLabel(path) {\n  this.labels.set(path.node.label.name, path);\n }\n\n registerDeclaration(path) {\n
if (path.isLabeledStatement()) {\n  this.registerLabel(path);\n } else if (path.isFunctionDeclaration()) {\n
this.registerBinding(`hoisted`, path.get(`id`), path);\n } else if (path.isVariableDeclaration()) {\n  const
declarations = path.get(`declarations`);\n\n  for (const declar of declarations) {\n
this.registerBinding(path.node.kind, declar);\n  }\n } else if (path.isClassDeclaration()) {\n

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this.registerBinding("\let", path);\n  } else if (path.isImportDeclaration()) {\n    const specifiers =
path.get("\specifiers");\n\n    for (const specifier of specifiers) {\n      this.registerBinding("module",
specifier);\n    } } else if (path.isExportDeclaration()) {\n    const declar = path.get("\declaration");\n\n    if
(declar.isClassDeclaration() || declar.isFunctionDeclaration() || declar.isVariableDeclaration()) {\n
this.registerDeclaration(declar);\n    } } else {\n    this.registerBinding("\unknown", path);\n  }\n}\n\nbuildUndefinedNode() {\n  return t.unaryExpression("void", t.numericLiteral(0), true);\n}\n\nregisterConstantViolation(path) {\n  const ids = path.getBindingIdentifiers();\n\n  for (const name of
Object.keys(ids)) {\n    const binding = this.getBinding(name);\n\n    if (binding) binding.reassign(path);\n  }\n}\n\nregisterBinding(kind, path, bindingPath = path) {\n  if (!kind) throw new ReferenceError("no `kind`");\n\n  if (path.isVariableDeclaration()) {\n    const declarators = path.get("\declarations");\n\n    for (const declar of
declarators) {\n      this.registerBinding(kind, declar);\n    }\n\n    return;\n  }\n\n  const parent =
this.getProgramParent();\n  const ids = path.getOuterBindingIdentifiers(true);\n\n  for (const name of
Object.keys(ids)) {\n    parent.references[name] = true;\n\n    for (const id of ids[name]) {\n      const local =
this.getOwnBinding(name);\n\n      if (local) {\n        if (local.identifier === id) continue;\n\n        this.checkBlockScopedCollisions(local, kind, name, id);\n      }\n\n      if (local) {\n
this.registerConstantViolation(bindingPath);\n      } else {\n        this.bindings[name] = new _binding.default({\n
identifier: id,\n        scope: this,\n        path: bindingPath,\n        kind: kind\n      });\n    }\n  }\n}\n\naddGlobal(node) {\n  this.globals[node.name] = node;\n}\n\nhasUid(name) {\n  let scope = this;\n\n  do {\n    if (scope.uids[name]) return true;\n  } while (scope = scope.parent);\n\n  return false;\n}\n\nhasGlobal(name) {\n  let scope = this;\n\n  do {\n    if (scope.globals[name]) return true;\n  } while (scope =
scope.parent);\n\n  return false;\n}\n\nhasReference(name) {\n  return
!!this.getProgramParent().references[name];\n}\n\nisPure(node, constantsOnly) {\n  if (t.isIdentifier(node)) {\n
const binding = this.getBinding(node.name);\n\n    if (!binding) return false;\n\n    if (constantsOnly) return
binding.constant;\n\n    return true;\n  } else if (t.isClass(node)) {\n    if (node.superClass &&
!this.isPure(node.superClass, constantsOnly)) {\n      return false;\n    }\n\n    return this.isPure(node.body,
constantsOnly);\n  } else if (t.isClassBody(node)) {\n    for (const method of node.body) {\n      if
(!this.isPure(method, constantsOnly)) return false;\n    }\n\n    return true;\n  } else if (t.isBinary(node)) {\n
return this.isPure(node.left, constantsOnly) && this.isPure(node.right, constantsOnly);\n  } else if
(t.isArrayExpression(node)) {\n    for (const elem of node.elements) {\n      if (!this.isPure(elem, constantsOnly))
return false;\n    }\n\n    return true;\n  } else if (t.isObjectExpression(node)) {\n    for (const prop of
node.properties) {\n      if (!this.isPure(prop, constantsOnly)) return false;\n    }\n\n    return true;\n  } else if
(t.isMethod(node)) {\n    if (node.computed && !this.isPure(node.key, constantsOnly)) return false;\n\n    if
(node.kind === "get" || node.kind === "set") return false;\n\n    return true;\n  } else if (t.isProperty(node)) {\n
if (node.computed && !this.isPure(node.key, constantsOnly)) return false;\n\n    return this.isPure(node.value,
constantsOnly);\n  } else if (t.isUnaryExpression(node)) {\n    return this.isPure(node.argument, constantsOnly);\n  }
else if (t.isTaggedTemplateExpression(node)) {\n    return t.matchesPattern(node.tag, "String.raw") &&
!this.hasBinding("String", true) && this.isPure(node.quasi, constantsOnly);\n  } else if
(t.isTemplateLiteral(node)) {\n    for (const expression of node.expressions) {\n      if (!this.isPure(expression,
constantsOnly)) return false;\n    }\n\n    return true;\n  } else {\n    return t.isPureish(node);\n  }\n}\n\nsetData(key, val) {\n  return this.data[key] = val;\n}\n\ngetData(key) {\n  let scope = this;\n\n  do {\n    const
data = scope.data[key];\n\n    if (data != null) return data;\n  } while (scope = scope.parent);\n}\n\nremoveData(key) {\n  let scope = this;\n\n  do {\n    const data = scope.data[key];\n\n    if (data != null)
scope.data[key] = null;\n  } while (scope = scope.parent);\n}\n\ninit() {\n  if (!this.inited) {\n    this.inited =
true;\n\n    this.crawl();\n  }\n}\n\ncrawl() {\n  const path = this.path;\n  this.references = Object.create(null);\n\n  this.bindings = Object.create(null);\n  this.globals = Object.create(null);\n  this.uids = Object.create(null);\n
this.data = Object.create(null);\n\n  if (path.isFunction()) {\n    if (path.isFunctionExpression() &&
path.has("id") && !path.get("id").node[t.NOT_LOCAL_BINDING]) {\n      this.registerBinding("local",
path.get("id"), path);\n    }\n\n    const params = path.get("params");\n\n    for (const param of params) {\n

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this.registerBinding("param", param);\n  }\n }\n\n const programParent = this.getProgramParent();\n if
(programParent.crawling) return;\n const state = {\n  references: [],\n  constantViolations: [],\n
assignments: []\n };\n this.crawling = true;\n path.traverse(collectorVisitor, state);\n this.crawling = false;\n\n
for (const path of state.assignments) {\n  const ids = path.getBindingIdentifiers();\n\n  for (const name of
Object.keys(ids)) {\n    if (path.scope.getBinding(name)) continue;\n    programParent.addGlobal(ids[name]);\n
  }\n\n  path.scope.registerConstantViolation(path);\n }\n\n for (const ref of state.references) {\n  const
binding = ref.scope.getBinding(ref.node.name);\n\n  if (binding) {\n    binding.reference(ref);\n  } else {\n
programParent.addGlobal(ref.node);\n  }\n }\n\n for (const path of state.constantViolations) {\n
path.scope.registerConstantViolation(path);\n }\n }\n\n push(opts) {\n  let path = this.path;\n\n  if
(!path.isBlockStatement() && !path.isProgram()) {\n    path = this.getBlockParent().path;\n  }\n\n  if
(path.isSwitchStatement()) {\n    path = (this.getFunctionParent() || this.getProgramParent()).path;\n  }\n\n  if
(path.isLoop() || path.isCatchClause() || path.isFunction()) {\n    path.ensureBlock();\n    path =
path.get("body");\n  }\n\n  const unique = opts.unique;\n  const kind = opts.kind || "var";\n  const blockHoist
= opts._blockHoist == null ? 2 : opts._blockHoist;\n  const dataKey = `declaration:${kind}:${blockHoist}`;\n  let
declarPath = !unique && path.getData(dataKey);\n\n  if (!declarPath) {\n    const declar =
t.variableDeclaration(kind, []);\n    declar._blockHoist = blockHoist;\n    [declarPath] =
path.unshiftContainer("body", [declar]);\n    if (!unique) path.setData(dataKey, declarPath);\n  }\n\n  const
declarator = t.variableDeclarator(opts.id, opts.init);\n  declarPath.node.declarations.push(declarator);\n
this.registerBinding(kind, declarPath.get("declarations").pop());\n }\n\n getProgramParent() {\n  let scope =
this;\n\n  do {\n    if (scope.path.isProgram()) {\n      return scope;\n    } while (scope = scope.parent);\n\n
throw new Error("Couldn't find a Program");\n }\n\n getFunctionParent() {\n  let scope = this;\n\n  do {\n    if
(scope.path.isFunctionParent()) {\n      return scope;\n    } while (scope = scope.parent);\n\n  return null;\n
}\n\n getBlockParent() {\n  let scope = this;\n\n  do {\n    if (scope.path.isBlockParent()) {\n      return
scope;\n    } while (scope = scope.parent);\n\n  throw new Error("We couldn't find a BlockStatement, For, Switch,
Function, Loop or Program...");\n }\n\n getAllBindings() {\n  const ids = Object.create(null);\n  let scope =
this;\n\n  do {\n    for (const key of Object.keys(scope.bindings)) {\n      if (key in ids === false) {\n
ids[key] = scope.bindings[key];\n      }\n    }\n\n    scope = scope.parent;\n  } while (scope);\n\n  return ids;\n
}\n\n getAllBindingsOfKind() {\n  const ids = Object.create(null);\n\n  for (const kind of arguments) {\n    let
scope = this;\n\n    do {\n      for (const name of Object.keys(scope.bindings)) {\n        const binding =
scope.bindings[name];\n        if (binding.kind === kind) ids[name] = binding;\n      }\n\n      scope =
scope.parent;\n    } while (scope);\n  }\n\n  return ids;\n }\n\n bindingIdentifierEquals(name, node) {\n  return
this.getBindingIdentifier(name) === node;\n }\n\n getBinding(name) {\n  let scope = this;\n  let
previousPath;\n\n  do {\n    const binding = scope.getOwnBinding(name);\n\n    if (binding) {\n      var
_previousPath;\n\n      if (((_previousPath = previousPath) == null ? void 0 : _previousPath.isPattern()) &&
binding.kind !== "param") {\n        return binding;\n      }\n    }\n\n    previousPath = scope.path;\n  }
while (scope = scope.parent);\n }\n\n getOwnBinding(name) {\n  return this.bindings[name];\n }\n\n
getBindingIdentifier(name) {\n  var _this$getBinding;\n\n  return (_this$getBinding = this.getBinding(name)) ==
null ? void 0 : _this$getBinding.identifier;\n }\n\n getOwnBindingIdentifier(name) {\n  const binding =
this.bindings[name];\n  return binding == null ? void 0 : binding.identifier;\n }\n\n hasOwnBinding(name) {\n
return !!this.getOwnBinding(name);\n }\n\n hasBinding(name, noGlobals) {\n  if (!name) return false;\n  if
(this.hasOwnBinding(name)) return true;\n  if (this.parentHasBinding(name, noGlobals)) return true;\n  if
(this.hasUid(name)) return true;\n  if (!noGlobals && Scope.globals.includes(name)) return true;\n  if (!noGlobals
&& Scope.contextVariables.includes(name)) return true;\n  return false;\n }\n\n parentHasBinding(name,
noGlobals) {\n  var _this$parent;\n\n  return (_this$parent = this.parent) == null ? void 0 :
_this$parent.hasBinding(name, noGlobals);\n }\n\n moveBindingTo(name, scope) {\n  const info =
this.getBinding(name);\n\n  if (info) {\n    info.scope.removeOwnBinding(name);\n    info.scope = scope;\n
scope.bindings[name] = info;\n  }\n }\n\n removeOwnBinding(name) {\n  delete this.bindings[name];\n }\n\n
removeBinding(name) {\n  var _this$getBinding2;\n\n  (_this$getBinding2 = this.getBinding(name)) == null ?

```



```

_definitions = require("../definitions");\n\nfunction isNode(node) {\n  return !(node &&
_definitions.VISITOR_KEYS[node.type]);\n}\n","use strict";\n\nObject.defineProperty(exports, "__esModule",
{\n  value: true\n});\n\nexports.default = removeTypeDuplicates;\n\nvar _generated =
require("../validators/generated");\n\nfunction getQualifiedName(node) {\n  return (0,
_generated.isIdentifier)(node) ? node.name :
`${node.id.name}.${getQualifiedName(node.qualification)}`;\n}\n\nfunction removeTypeDuplicates(nodes) {\n
const generics = {};\n  const bases = {};\n  const typeGroups = [];\n  const types = [];\n\n  for (let i = 0; i <
nodes.length; i++) {\n    const node = nodes[i];\n    if (!node) continue;\n\n    if (types.indexOf(node) >= 0) {\n
continue;\n    }\n\n    if ((0, _generated.isAnyTypeAnnotation)(node)) {\n      return [node];\n    }\n\n    if ((0,
_generated.isFlowBaseAnnotation)(node)) {\n      bases[node.type] = node;\n      continue;\n    }\n\n    if ((0,
_generated.isUnionTypeAnnotation)(node)) {\n      if (typeGroups.indexOf(node.types) < 0) {\n        nodes =
nodes.concat(node.types);\n        typeGroups.push(node.types);\n      }\n\n      continue;\n    }\n\n    if ((0,
_generated.isGenericTypeAnnotation)(node)) {\n      const name = getQualifiedName(node.id);\n\n      if
(generics[name]) {\n        let existing = generics[name];\n\n        if (existing.typeParameters) {\n          if
(node.typeParameters) {\n            existing.typeParameters.params =
removeTypeDuplicates(existing.typeParameters.params.concat(node.typeParameters.params));\n          }\n        }
else {\n          existing = node.typeParameters;\n        }\n      } else {\n        generics[name] = node;\n      }\n\n
continue;\n    }\n\n    types.push(node);\n  }\n\n  for (const type of Object.keys(bases)) {\n
types.push(bases[type]);\n  }\n\n  for (const name of Object.keys(generics)) {\n    types.push(generics[name]);\n  }\n\n
return types;\n}\n","use strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value:
true\n});\n\nexports.default = addComments;\n\nfunction addComments(node, type, comments) {\n  if (!comments ||
!node) return node;\n  const key = `${type}Comments`;\n\n  if (node[key]) {\n    if (type === "leading") {\n
node[key] = comments.concat(node[key]);\n    } else {\n      node[key] = node[key].concat(comments);\n    }\n  }
else {\n    node[key] = comments;\n  }\n\n  return node;\n}\n","use strict";\n\nObject.defineProperty(exports,
__esModule", {\n  value: true\n});\n\nexports.default = inheritInnerComments;\n\nvar _inherit =
require("../utils/inherit");\n\nfunction inheritInnerComments(child, parent) {\n  (0,
_inherit.default)("innerComments", child, parent);\n}\n","use strict";\n\nObject.defineProperty(exports,
__esModule", {\n  value: true\n});\n\nexports.default = inheritLeadingComments;\n\nvar _inherit =
require("../utils/inherit");\n\nfunction inheritLeadingComments(child, parent) {\n  (0,
_inherit.default)("leadingComments", child, parent);\n}\n","use strict";\n\nObject.defineProperty(exports,
__esModule", {\n  value: true\n});\n\nexports.default = inheritsComments;\n\nvar _inheritTrailingComments =
require("../inheritTrailingComments");\n\nvar _inheritLeadingComments =
require("../inheritLeadingComments");\n\nvar _inheritInnerComments =
require("../inheritInnerComments");\n\nfunction inheritsComments(child, parent) {\n  (0,
_inheritTrailingComments.default)(child, parent);\n  (0, _inheritLeadingComments.default)(child, parent);\n  (0,
_inheritInnerComments.default)(child, parent);\n  return child;\n}\n","use strict";\n\nObject.defineProperty(exports,
__esModule", {\n  value: true\n});\n\nexports.default = inheritTrailingComments;\n\nvar _inherit =
require("../utils/inherit");\n\nfunction inheritTrailingComments(child, parent) {\n  (0,
_inherit.default)("trailingComments", child, parent);\n}\n}\n","use strict";\n\nObject.defineProperty(exports,
__esModule", {\n  value: true\n});\n\nexports.default = toBlock;\n\nvar _generated =
require("../validators/generated");\n\nvar _generated2 = require("../builders/generated");\n\nfunction
toBlock(node, parent) {\n  if ((0, _generated.isBlockStatement)(node)) {\n    return node;\n  }\n\n  let blockNodes =
[];\n\n  if ((0, _generated.isEmptyStatement)(node)) {\n    blockNodes = [];\n  } else {\n    if (!(0,
_generated.isStatement)(node)) {\n      if ((0, _generated.isFunction)(parent)) {\n        node = (0,
_generated2.returnStatement)(node);\n      } else {\n        node = (0, _generated2.expressionStatement)(node);\n      }\n    }\n\n    blockNodes = [node];\n  }\n\n  return (0, _generated2.blockStatement)(blockNodes);\n}\n","use
strict";\n\nObject.defineProperty(exports, __esModule", {\n  value: true\n});\n\nexports.default =
toIdentifier;\n\nvar _isValidIdentifier = require("../validators/isValidIdentifier");\n\nvar _helperValidatorIdentifier

```



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= require("@babel/helper-validator-identifier");
function toIdentifier(input) {
  input = input + "\n";
  let name = "";
  for (const c of input) {
    name += (0, _helperValidatorIdentifier.isIdentifierChar)(c.codePointAt(0)) ? c : "-";
  }
  name = name.replace(/^-+/, "");
  name = name.replace(/[-\s]+(\.)?/g, function (match, c) {
    return c ? c.toUpperCase() : "";
  });
  if (!(0, _isValidIdentifier.default)(name)) {
    name = `_${name}`;
  }
  return name || "_";
}
"use strict";
Object.defineProperty(exports, "__esModule", {
  value: true
});
exports.default = removePropertiesDeep;
var _traverseFast = require("../traverse/traverseFast");
var _removeProperties = require("../removeProperties");
function removePropertiesDeep(tree, opts) {
  (0, _traverseFast.default)(tree, _removeProperties.default, opts);
  return tree;
}
"use strict";
Object.defineProperty(exports, "__esModule", {
  value: true
});
exports.default = traverseFast;
var _definitions = require("../definitions");
function traverseFast(node, enter, opts) {
  if (!node) return;
  const keys = _definitions.VISITOR_KEYS[node.type];
  if (!keys) return;
  opts = opts || {};
  enter(node, opts);
  for (const key of keys) {
    const subNode = node[key];
    if (Array.isArray(subNode)) {
      for (const node of subNode) {
        traverseFast(node, enter, opts);
      }
    } else {
      traverseFast(subNode, enter, opts);
    }
  }
}
"use strict";
Object.defineProperty(exports, "__esModule", {
  value: true
});
exports.default = removeProperties;
var _constants = require("../constants");
const CLEAR_KEYS = ["tokens", "start", "end", "loc", "raw", "rawValue"];
const CLEAR_KEYS_PLUS_COMMENTS = _constants.COMMENT_KEYS.concat(["comments"]).concat(CLEAR_KEYS);
function removeProperties(node, opts = {}) {
  const map = opts.preserveComments ? CLEAR_KEYS : CLEAR_KEYS_PLUS_COMMENTS;
  for (const key of map) {
    if (node[key] != null) node[key] = undefined;
  }
  for (const key of Object.keys(node)) {
    if (key[0] === "_" && node[key] != null) node[key] = undefined;
  }
  const symbols = Object.getOwnPropertySymbols(node);
  for (const sym of symbols) {
    node[sym] = null;
  }
}
"use strict";
Object.defineProperty(exports, "__esModule", {
  value: true
});
exports.default = isLet;
var _generated = require("../generated");
var _constants = require("../constants");
function isLet(node) {
  return (0, _generated.isVariableDeclaration)(node) && (node.kind !== "var" || node[_constants.BLOCK_SCOPED_SYMBOL]);
}
/* -*- Mode: js; js-indent-level: 2; -*-
 * Copyright 2011 Mozilla Foundation and contributors
 * Licensed under the New BSD license. See LICENSE or:
 * http://opensource.org/licenses/BSD-3-Clause
 */
var base64VLQ = require('../base64-vlq');
var util = require('../util');
var ArraySet = require('../array-set').ArraySet;
var MappingList = require('../mapping-list').MappingList;
/**
 * An instance of the SourceMapGenerator represents a source map which is being built incrementally. You may pass an object with the following properties:
 *
 * - file: The filename of the generated source.
 * - sourceRoot: A root for all relative URLs in this source map.
 */
function SourceMapGenerator(aArgs) {
  if (!aArgs) {
    aArgs = {};
  }
  this._file = util.getArg(aArgs, 'file', null);
  this._sourceRoot = util.getArg(aArgs, 'sourceRoot', null);
  this._skipValidation = util.getArg(aArgs, 'skipValidation', false);
  this._sources = new ArraySet();
  this._names = new ArraySet();
  this._mappings = new MappingList();
  this._sourcesContents = null;
}
SourceMapGenerator.prototype._version = 3;
/**
 * Creates a new SourceMapGenerator based on a SourceMapConsumer
 *
 * @param aSourceMapConsumer The SourceMap.
 */
SourceMapGenerator.fromSourceMap = function SourceMapGenerator_fromSourceMap(aSourceMapConsumer) {
  var sourceRoot = aSourceMapConsumer.sourceRoot;
  var generator = new SourceMapGenerator({
    file: aSourceMapConsumer.file,
    sourceRoot: sourceRoot
  });
  aSourceMapConsumer.eachMapping(function (mapping) {
    var newMapping = {
      generated: {
        line: mapping.generatedLine,
        column: mapping.generatedColumn
      },
      original: {
        line: mapping.originalLine,
        column: mapping.originalColumn
      },
      name: mapping.name
    };
    generator.addMapping(newMapping);
  });
  aSourceMapConsumer.sources.forEach(function (sourceFile) {
    var content =

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aSourceMapConsumer.sourceContentFor(sourceFile);\n    if (content != null) {\n
generator.setSourceContent(sourceFile, content);\n    }\n    });\n    return generator;\n  };\n\n  /**\n   * Add a single mapping from original source line and column to the generated\n   * source's line and column for this source map being created. The mapping\n   * object should have the following properties:\n   * - generated: An object with the generated line and column positions.\n   * - original: An object with the original line and column positions.\n   * - source: The original source file (relative to the sourceRoot).\n   * - name: An optional original token name for this mapping.\n   */\n  SourceMapGenerator.prototype.addMapping =\n    function\n  SourceMapGenerator_addMapping(aArgs) {\n    var generated = util.getArg(aArgs, 'generated');\n    var original =\n    util.getArg(aArgs, 'original', null);\n    var source = util.getArg(aArgs, 'source', null);\n    var name =\n    util.getArg(aArgs, 'name', null);\n\n    if (!this._skipValidation) {\n      this._validateMapping(generated, original,\n      source, name);\n    }\n\n    if (source != null) {\n      source = String(source);\n      if (!this._sources.has(source)) {\n        this._sources.add(source);\n      }\n    }\n\n    if (name != null) {\n      name = String(name);\n      if (!this._names.has(name)) {\n        this._names.add(name);\n      }\n    }\n\n    this._mappings.add({\n      generatedLine: generated.line,\n      generatedColumn: generated.column,\n      originalLine: original != null &&\n      original.line,\n      originalColumn: original != null &&\n      original.column,\n      source: source,\n      name: name\n    });\n  };\n\n  /**\n   * Set the source content for a source file.\n   */\n  SourceMapGenerator.prototype.setSourceContent\n  =\n    function SourceMapGenerator_setSourceContent(aSourceFile, aSourceContent) {\n      var source =\n      aSourceFile;\n      if (this._sourceRoot != null) {\n        source = util.relative(this._sourceRoot, source);\n      }\n\n      if (aSourceContent != null) {\n        // Add the source content to the _sourcesContents map.\n        // Create a new\n        // _sourcesContents map if the property is null.\n        if (!this._sourcesContents) {\n          this._sourcesContents =\n          Object.create(null);\n        }\n        this._sourcesContents[util.toSetString(source)] = aSourceContent;\n      } else if\n      (this._sourcesContents) {\n        // Remove the source file from the _sourcesContents map.\n        // If the\n        // _sourcesContents map is empty, set the property to null.\n        delete\n        this._sourcesContents[util.toSetString(source)];\n        if (Object.keys(this._sourcesContents).length === 0) {\n          this._sourcesContents = null;\n        }\n      }\n    };\n\n  /**\n   * Applies the mappings of a sub-source-map for a specific\n   * source file to the\n   * source map being generated. Each mapping to the supplied source file is\n   * rewritten using the\n   * supplied source map. Note: The resolution for the\n   * resulting mappings is the minimum of this map and the\n   * supplied map.\n   * @param aSourceMapConsumer The source map to be applied.\n   * @param aSourceFile\n   * Optional. The filename of the source file.\n   * If omitted, SourceMapConsumer's file property will be used.\n   * @param aSourceMapPath\n   * Optional. The dirname of the path to the source map\n   * to be applied. If relative, it is\n   * relative to the SourceMapConsumer.\n   * This parameter is needed when the two source maps aren't in the\n   * same\n   * directory, and the source map to be applied contains relative source\n   * paths. If so, those relative\n   * source paths need to be rewritten\n   * relative to the SourceMapGenerator.\n   */\n  SourceMapGenerator.prototype.applySourceMap =\n    function\n  SourceMapGenerator_applySourceMap(aSourceMapConsumer, aSourceFile, aSourceMapPath) {\n    var sourceFile\n    = aSourceFile;\n    // If aSourceFile is omitted, we will use the file property of the SourceMap\n    if (aSourceFile ==\n    null) {\n      if (aSourceMapConsumer.file == null) {\n        throw new Error(\n        'SourceMapGenerator.prototype.applySourceMap requires either an explicit source file, '\n        +\n        '\n        ' or the source\n        map\\'s\n        "\n        file\n        " property. Both were omitted.\n        );\n      }\n      sourceFile = aSourceMapConsumer.file;\n    }\n\n    var sourceRoot = this._sourceRoot;\n    // Make\n    "\n    sourceFile\n    " relative if an absolute Url is passed.\n    if\n    (sourceRoot != null) {\n      sourceFile = util.relative(sourceRoot, sourceFile);\n    }\n\n    // Applying the SourceMap\n    can add and remove items from the sources and\n    // the names array.\n    var newSources = new\n    ArraySet();\n    var newNames = new\n    ArraySet();\n\n    // Find mappings for the\n    "\n    sourceFile\n    "\n    this._mappings.unsortedForEach(function (mapping) {\n      if (mapping.source === sourceFile &&\n      mapping.originalLine != null) {\n        // Check if it can be mapped by the source map, then update the mapping.\n        var original = aSourceMapConsumer.originalPositionFor({\n          line: mapping.originalLine,\n          column:\n          mapping.originalColumn\n        });\n        if (original.source != null) {\n          // Copy mapping\n          mapping.source = original.source;\n          if (aSourceMapPath != null) {\n            mapping.source =

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util.join(aSourceMapPath, mapping.source)\n    }\n    if (sourceRoot != null) {\n        mapping.source =
util.relative(sourceRoot, mapping.source);\n    }\n    mapping.originalLine = original.line;\n
mapping.originalColumn = original.column;\n    if (original.name != null) {\n        mapping.name =
original.name;\n    }\n    }\n    }\n    var source = mapping.source;\n    if (source != null &&
!newSources.has(source)) {\n        newSources.add(source);\n    }\n    var name = mapping.name;\n    if (name
!= null && !newNames.has(name)) {\n        newNames.add(name);\n    }\n    }, this);\n    this._sources =
newSources;\n    this._names = newNames;\n    // Copy sourcesContents of applied map.\n
aSourceMapConsumer.sources.forEach(function (sourceFile) {\n    var content =
aSourceMapConsumer.sourceContentFor(sourceFile);\n    if (content != null) {\n        if (aSourceMapPath != null)
{\n            sourceFile = util.join(aSourceMapPath, sourceFile);\n        }\n        if (sourceRoot != null) {\n
sourceFile = util.relative(sourceRoot, sourceFile);\n        }\n        this.setSourceContent(sourceFile, content);\n
    }\n    }, this);\n    };\n\n/**\n * A mapping can have one of the three levels of data:\n *\n * 1. Just the generated
position.\n *\n * 2. The Generated position, original position, and original source.\n *\n * 3. Generated and original
position, original source, as well as a name\n *\n * token.\n *\n * To maintain consistency, we validate that any new
mapping being added falls\n *\n * in to one of these categories.\n */\n\nSourceMapGenerator.prototype._validateMapping
=\n function SourceMapGenerator_validateMapping(aGenerated, aOriginal, aSource,\n
aName) {\n    // When aOriginal is truthy but has empty values for .line and .column,\n    // it is most likely a
programmer error. In this case we throw a very\n    // specific error message to try to guide them the right way.\n    //
For example: https://github.com/Polymer/polymer-bundler/pull/519\n    if (aOriginal && typeof aOriginal.line !==
'number' && typeof aOriginal.column !== 'number') {\n        throw new Error(\n            'original.line and
original.column are not numbers -- you probably meant to omit ' +\n            'the original mapping entirely and only
map the generated position. If so, pass ' +\n            'null for the original mapping instead of an object with empty or
null values.\n        );\n    }\n    if (aGenerated && 'line' in aGenerated && 'column' in aGenerated\n        &&
aGenerated.line > 0 && aGenerated.column >= 0\n        && !aOriginal && !aSource && !aName) {\n        // Case
1.\n        return;\n    }\n    else if (aGenerated && 'line' in aGenerated && 'column' in aGenerated\n        &&
aOriginal && 'line' in aOriginal && 'column' in aOriginal\n        && aGenerated.line > 0 && aGenerated.column
>= 0\n        && aOriginal.line > 0 && aOriginal.column >= 0\n        && aSource) {\n        // Cases 2 and 3.\n
return;\n    }\n    else {\n        throw new Error('Invalid mapping: ' + JSON.stringify({\n            generated: aGenerated,\n
source: aSource,\n            original: aOriginal,\n            name: aName\n        }));\n    }\n    };\n\n/**\n * Serialize the
accumulated mappings in to the stream of base 64 VLQs\n * specified by the source map format.\n
*/\n\nSourceMapGenerator.prototype._serializeMappings =\n function SourceMapGenerator_serializeMappings() {\n
var previousGeneratedColumn = 0;\n    var previousGeneratedLine = 1;\n    var previousOriginalColumn = 0;\n
var previousOriginalLine = 0;\n    var previousName = 0;\n    var previousSource = 0;\n    var result = "";\n    var
next;\n    var mapping;\n    var nameIdx;\n    var sourceIdx;\n\n    var mappings = this._mappings.toArray();\n    for
(var i = 0, len = mappings.length; i < len; i++) {\n        mapping = mappings[i];\n        next = "\n\n    if
(mapping.generatedLine !== previousGeneratedLine) {\n            previousGeneratedColumn = 0;\n            while
(mapping.generatedLine !== previousGeneratedLine) {\n                next += ',';\n                previousGeneratedLine++;\n
            }\n        }\n        else {\n            if (i > 0) {\n                if (!util.compareByGeneratedPositionsInflated(mapping, mappings[i -
1])) {\n                    continue;\n                }\n                next += ',';\n            }\n        }\n        next +=
base64VLQ.encode(mapping.generatedColumn\n                            - previousGeneratedColumn);\n
previousGeneratedColumn = mapping.generatedColumn;\n\n        if (mapping.source != null) {\n            sourceIdx =
this._sources.indexOf(mapping.source);\n            next += base64VLQ.encode(sourceIdx - previousSource);\n
previousSource = sourceIdx;\n            // lines are stored 0-based in SourceMap spec version 3\n            next +=
base64VLQ.encode(mapping.originalLine - 1\n                            - previousOriginalLine);\n
previousOriginalLine = mapping.originalLine - 1;\n            next += base64VLQ.encode(mapping.originalColumn\n
- previousOriginalColumn);\n            previousOriginalColumn = mapping.originalColumn;\n\n        }\n        if (mapping.name != null) {\n            nameIdx = this._names.indexOf(mapping.name);\n            next +=
base64VLQ.encode(nameIdx - previousName);\n            previousName = nameIdx;\n        }\n    }\n    }\n    }\n    result +=

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next;\n };\n return result;\n };\n\nSourceMapGenerator.prototype._generateSourcesContent =\n function\n SourceMapGenerator_generateSourcesContent(aSources, aSourceRoot) {\n return aSources.map(function (source)\n {\n if (!this._sourcesContents) {\n return null;\n }\n if (aSourceRoot != null) {\n source =\n util.relative(aSourceRoot, source);\n }\n var key = util.toSetString(source);\n return\n Object.prototype.hasOwnProperty.call(this._sourcesContents, key)\n ? this._sourcesContents[key]\n :\n null;\n }, this);\n };\n\n/**\n * Externalize the source map.\n */\nSourceMapGenerator.prototype.toJSON =\n function SourceMapGenerator_toJSON() {\n var map = {\n version: this._version,\n sources:\n this._sources.toArray(),\n names: this._names.toArray(),\n mappings: this._serializeMappings()\n };\n if\n (this._file != null) {\n map.file = this._file;\n }\n if (this._sourceRoot != null) {\n map.sourceRoot =\n this._sourceRoot;\n }\n if (this._sourcesContents) {\n map.sourcesContent =\n this._generateSourcesContent(map.sources, map.sourceRoot);\n }\n\n return map;\n };\n\n/**\n * Render the\n source map being generated to a string.\n */\nSourceMapGenerator.prototype.toString =\n function\n SourceMapGenerator_toString() {\n return JSON.stringify(this.toJSON());\n };\n\nexports.SourceMapGenerator\n = SourceMapGenerator;\n\n"/** -*- Mode: js; js-indent-level: 2; -*/\n\n * Copyright 2011 Mozilla Foundation\n and contributors\n * Licensed under the New BSD license. See LICENSE or:\n *  
http://opensource.org/licenses/BSD-3-Clause\n * Based on the Base 64 VLQ implementation in Closure\n Compiler:\n * https://code.google.com/p/closure-\n compiler/source/browse/trunk/src/com/google/debugging/sourcemap/Base64VLQ.java\n * Copyright 2011 The\n Closure Compiler Authors. All rights reserved.\n * Redistribution and use in source and binary forms, with or\n without\n * modification, are permitted provided that the following conditions are\n met:\n * * Redistributions\n of source code must retain the above copyright\n * notice, this list of conditions and the following disclaimer.\n * * Redistributions\n in binary form must reproduce the above\n * copyright notice, this list of conditions and the\n following\n * disclaimer in the documentation and/or other materials provided\n * with the distribution.\n * * Neither the name of Google Inc. nor the names of its\n * contributors may be used to endorse or promote products\n derived\n * from this software without specific prior written permission.\n */\n\n * THIS SOFTWARE IS\n PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS\n * \"AS IS\" AND ANY EXPRESS OR\n IMPLIED WARRANTIES, INCLUDING, BUT NOT\n * LIMITED TO, THE IMPLIED WARRANTIES OF\n MERCHANTABILITY AND FITNESS FOR\n * A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO\n EVENT SHALL THE COPYRIGHT\n * OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,\n INDIRECT, INCIDENTAL,\n * SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING,\n BUT NOT\n * LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,\n DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY\n * THEORY\n OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT\n * (INCLUDING\n NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE\n * OF THIS SOFTWARE,\n EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.\n */\n\nvar base64 = require('./base64');\n\n// A single base 64 digit can contain 6 bits of data. For the base 64 variable\n// length quantities we use in the source\nmap spec, the first bit is the sign,\n// the next four bits are the actual value, and the 6th bit is the\n// continuation bit. The continuation bit tells us whether there are more\n// digits in this value following this digit.\n\n// Continuation | Sign | | | | | V V | | 101011\nvar VLQ_BASE_SHIFT = 5;\n\n// binary:\n100000\nvar VLQ_BASE = 1 << VLQ_BASE_SHIFT;\n\n// binary: 011111\nvar VLQ_BASE_MASK =\nVLQ_BASE - 1;\n\n// binary: 100000\nvar VLQ_CONTINUATION_BIT = VLQ_BASE;\n\n/**\n * Converts from\n a two-complement value to a value where the sign bit is\n * placed in the least significant bit. For example, as\n decimals:\n * 1 becomes 2 (10 binary), -1 becomes 3 (11 binary)\n * 2 becomes 4 (100 binary), -2 becomes 5 (101\n binary)\n */\nfunction toVLQSigned(aValue) {\n return aValue < 0\n ? ((-aValue) << 1) + 1\n : (aValue << 1) +\n 0;\n}\n\n/**\n * Converts to a two-complement value from a value where the sign bit is\n * placed in the least\n significant bit. For example, as decimals:\n * 2 (10 binary) becomes 1, 3 (11 binary) becomes -1\n * 4 (100\n binary) becomes 2, 5 (101 binary) becomes -2\n */\nfunction fromVLQSigned(aValue) {\n var isNegative =\n (aValue & 1) === 1;\n var shifted = aValue >> 1;\n return isNegative\n ? -shifted\n : shifted;\n }\n\n/**\n *

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Returns the base 64 VLQ encoded value.\n */\nexports.encode = function base64VLQ_encode(aValue) {\n  var\n  encoded = \"\";\n  var digit;\n  var vlq = toVLQSigned(aValue);\n  do {\n    digit = vlq &\n    VLQ_BASE_MASK;\n    vlq >>= VLQ_BASE_SHIFT;\n    if (vlq > 0) {\n      // There are still more digits in this\n      value, so we must make sure the\n      // continuation bit is marked.\n      digit |= VLQ_CONTINUATION_BIT;\n    }\n    encoded += base64.encode(digit);\n  } while (vlq > 0);\n  return encoded;\n};\n\n/**\n * Decodes the next\n base 64 VLQ value from the given string and returns the\n * value and the rest of the string via the out parameter.\n */\nexports.decode = function base64VLQ_decode(aStr, aIndex, aOutParam) {\n  var strLen = aStr.length;\n  var\n  result = 0;\n  var shift = 0;\n  var continuation, digit;\n  do {\n    if (aIndex >= strLen) {\n      throw new\n      Error(\"Expected more digits in base 64 VLQ value.\");\n    }\n    digit =\n    base64.decode(aStr.charCodeAt(aIndex++));\n    if (digit === -1) {\n      throw new Error(\"Invalid base64 digit: \" +\n      aStr.charAt(aIndex - 1));\n    }\n    continuation = !(digit & VLQ_CONTINUATION_BIT);\n    digit &=\n    VLQ_BASE_MASK;\n    result = result + (digit << shift);\n    shift += VLQ_BASE_SHIFT;\n  } while\n  (continuation);\n  aOutParam.value = fromVLQSigned(result);\n  aOutParam.rest = aIndex;\n};\n\n\"/* -*- Mode:\njs; js-indent-level: 2; -*- */\n\n * Copyright 2011 Mozilla Foundation and contributors\n * Licensed under the\n New BSD license. See LICENSE or:\n * http://opensource.org/licenses/BSD-3-Clause\n */\n\nvar util =\nrequire(\"./util\");\nvar has = Object.prototype.hasOwnProperty;\nvar hasNativeMap = typeof Map !==\n\"undefined\";\n\n * A data structure which is a combination of an array and a set. Adding a new\n * member is\n O(1), testing for membership is O(1), and finding the index of an\n * element is O(1). Removing elements from the\n set is not supported. Only\n * strings are supported for membership.\n */\nfunction ArraySet() {\n  this._array = [];\n  this._set = hasNativeMap ? new Map() : Object.create(null);\n}\n\n * Static method for creating ArraySet\n instances from an existing array.\n */\nArraySet.fromArray = function ArraySet_fromArray(aArray,\n aAllowDuplicates) {\n  var set = new ArraySet();\n  for (var i = 0, len = aArray.length; i < len; i++) {\n    set.add(aArray[i], aAllowDuplicates);\n  }\n  return set;\n};\n\n * Return how many unique items are in this\n ArraySet. If duplicates have been\n * added, than those do not count towards the size.\n */\n * @returns Number\n */\nArraySet.prototype.size = function ArraySet_size() {\n  return hasNativeMap ? this._set.size :\n  Object.getOwnPropertyNames(this._set).length;\n};\n\n * Add the given string to this set.\n */\n * @param\n String aStr\n */\nArraySet.prototype.add = function ArraySet_add(aStr, aAllowDuplicates) {\n  var sStr =\n  hasNativeMap ? aStr : util.toSetString(aStr);\n  var isDuplicate = hasNativeMap ? this.has(aStr) : has.call(this._set,\n  sStr);\n  var idx = this._array.length;\n  if (!isDuplicate || aAllowDuplicates) {\n    this._array.push(aStr);\n  }\n  if\n  (!isDuplicate) {\n    if (hasNativeMap) {\n      this._set.set(aStr, idx);\n    } else {\n      this._set[sStr] = idx;\n    }\n  }\n};\n\n * Is the given string a member of this set?\n */\n * @param String aStr\n */\nArraySet.prototype.has =\nfunction ArraySet_has(aStr) {\n  if (hasNativeMap) {\n    return this._set.has(aStr);\n  } else {\n    var sStr =\n    util.toSetString(aStr);\n    return has.call(this._set, sStr);\n  }\n};\n\n * What is the index of the given string in\n the array?\n */\n * @param String aStr\n */\nArraySet.prototype.indexOf = function ArraySet_indexOf(aStr) {\n  if\n  (hasNativeMap) {\n    var idx = this._set.get(aStr);\n    if (idx >= 0) {\n      return idx;\n    }\n  } else {\n    var sStr =\n    util.toSetString(aStr);\n    if (has.call(this._set, sStr)) {\n      return this._set[sStr];\n    }\n  }\n  throw new\n  Error(\"\" + aStr + \" is not in the set.\");\n};\n\n * What is the element at the given index?\n */\n * @param\n Number aIdx\n */\nArraySet.prototype.at = function ArraySet_at(aIdx) {\n  if (aIdx >= 0 && aIdx <\n  this._array.length) {\n    return this._array[aIdx];\n  }\n  throw new Error(\"No element indexed by ' +\n  aIdx);\n};\n\n * Returns the array representation of this set (which has the proper indices\n * indicated by\n indexOf). Note that this is a copy of the internal array used\n * for storing the members so that no one can mess with\n internal state.\n */\nArraySet.prototype.toArray = function ArraySet_toArray() {\n  return\n  this._array.slice();\n};\n\nexports.ArraySet = ArraySet;\n\n\"use strict\";\n\nObject.defineProperty(exports,\n \"__esModule\", {\n  value: true\n});\n\nexports.needsWhitespace =\nneedsWhitespace;\nexports.needsWhitespaceBefore = needsWhitespaceBefore;\nexports.needsWhitespaceAfter =\nneedsWhitespaceAfter;\nexports.needsParens = needsParens;\n\nvar whitespace =\n_interopRequireWildcard(require(\"./whitespace\"));\nvar parens =\n_interopRequireWildcard(require(\"./parentheses\"));\nvar t =

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_interopRequireWildcard(require("@babel/types"));
function _getRequireWildcardCache() { if (typeof WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; }; return cache; }
function _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) { Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) { cache.set(obj, newObj); } return newObj; }
function expandAliases(obj) {
  const newObj = {};
  function add(type, func) {
    const fn = newObj[type];
    newObj[type] = fn ? function (node, parent, stack) {
      const result = fn(node, parent, stack);
      return result == null ? func(node, parent, stack) : result;
    } : func;
  }
  for (const type of Object.keys(obj)) {
    const aliases = t.FLIPPED_ALIAS_KEYS[type];
    if (aliases) {
      for (const alias of aliases) {
        add(alias, obj[type]);
      }
    } else {
      add(type, obj[type]);
    }
  }
  return newObj;
}
const expandedParens = expandAliases(parens);
const expandedWhitespaceNodes = expandAliases(whitespace.nodes);
const expandedWhitespaceList = expandAliases(whitespace.list);
function find(obj, node, parent, printStack) {
  const fn = obj[node.type];
  return fn ? fn(node, parent, printStack) : null;
}
function isOrHasCallExpression(node) {
  if (t.isCallExpression(node)) {
    return true;
  }
  return t.isMemberExpression(node) && isOrHasCallExpression(node.object);
}
function needsWhitespace(node, parent, type) {
  if (!node) return 0;
  if (t.isExpressionStatement(node)) {
    node = node.expression;
  }
  let linesInfo = find(expandedWhitespaceNodes, node, parent);
  if (!linesInfo) {
    const items = find(expandedWhitespaceList, node, parent);
    if (items) {
      for (let i = 0; i < items.length; i++) {
        linesInfo = needsWhitespace(items[i], node, type);
        if (linesInfo) break;
      }
    }
  }
  if (typeof linesInfo === "object" && linesInfo !== null) {
    return linesInfo[type] || 0;
  }
  return 0;
}
function needsWhitespaceBefore(node, parent) {
  return needsWhitespace(node, parent, "before");
}
function needsWhitespaceAfter(node, parent) {
  return needsWhitespace(node, parent, "after");
}
function needsParens(node, parent, printStack) {
  if (!parent) return false;
  if (t.isNewExpression(parent) && parent.callee === node) {
    if (isOrHasCallExpression(node)) return true;
  }
  return find(expandedParens, node, parent, printStack);
}
"use strict";
Object.defineProperty(exports, "__esModule", { value: true });
exports.ImportSpecifier = ImportSpecifier;
exports.ImportDefaultSpecifier = ImportDefaultSpecifier;
exports.ExportDefaultSpecifier = ExportDefaultSpecifier;
exports.ExportSpecifier = ExportSpecifier;
exports.ExportNamespaceSpecifier = ExportNamespaceSpecifier;
exports.ExportAllDeclaration = ExportAllDeclaration;
exports.ExportNamedDeclaration = ExportNamedDeclaration;
exports.ExportDefaultDeclaration = ExportDefaultDeclaration;
exports.ImportDeclaration = ImportDeclaration;
exports.ImportAttribute = ImportAttribute;
exports.ImportNamespaceSpecifier = ImportNamespaceSpecifier;
var t = _interopRequireWildcard(require("@babel/types"));
function _getRequireWildcardCache() { if (typeof WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; }; return cache; }
function _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) { Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) { cache.set(obj, newObj); } return newObj; }
function ImportSpecifier(node) {
  if (node.importKind === "type" || node.importKind === "typeof") {
    this.word(node.importKind);
    this.space();
  }
  this.print(node.imported, node);
  if (node.local && node.local.name !== node.imported.name) {

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this.space();\n this.word("\nas");\n this.space();\n this.print(node.local, node);\n } }\n\nfunction
ImportDefaultSpecifier(node) {\n this.print(node.local, node);\n }\n\nfunction ExportDefaultSpecifier(node) {\n
this.print(node.exported, node);\n }\n\nfunction ExportSpecifier(node) {\n this.print(node.local, node);\n\n if
(node.exported && node.local.name !== node.exported.name) {\n this.space();\n this.word("\nas");\n
this.space();\n this.print(node.exported, node);\n } }\n\nfunction ExportNamespaceSpecifier(node) {\n
this.token("\n");\n this.space();\n this.word("\nas");\n this.space();\n this.print(node.exported,
node);\n }\n\nfunction ExportAllDeclaration(node) {\n this.word("\nexport");\n this.space();\n\n if
(node.exportKind === "type") {\n this.word("\nexport");\n this.space();\n }\n\n this.token("\n");\n
this.space();\n this.word("\nfrom");\n this.space();\n this.print(node.source, node);\n this.printAssertions(node);\n
this.semicolon();\n }\n\nfunction ExportNamedDeclaration(node) {\n if (this.format.decoratorsBeforeExport &&
t.isClassDeclaration(node.declaration)) {\n this.printJoin(node.declaration.decorators, node);\n }\n\n
this.word("\nexport");\n this.space();\n ExportDeclaration.apply(this, arguments);\n }\n\nfunction
ExportDefaultDeclaration(node) {\n if (this.format.decoratorsBeforeExport &&
t.isClassDeclaration(node.declaration)) {\n this.printJoin(node.declaration.decorators, node);\n }\n\n
this.word("\nexport");\n this.space();\n this.word("\ndefault");\n this.space();\n ExportDeclaration.apply(this,
arguments);\n }\n\nfunction ExportDeclaration(node) {\n if (node.declaration) {\n const declar =
node.declaration;\n this.print(declar, node);\n if (!t.isStatement(declar)) this.semicolon();\n } else {\n if
(node.exportKind === "type") {\n this.word("\nexport");\n this.space();\n }\n\n const specifiers =
node.specifiers.slice(0);\n let hasSpecial = false;\n\n for (;) {\n const first = specifiers[0];\n\n if
(t.isExportDefaultSpecifier(first) || t.isExportNamespaceSpecifier(first)) {\n hasSpecial = true;\n
this.print(specifiers.shift(), node);\n\n if (specifiers.length) {\n this.token(",");\n this.space();\n
}\n } else {\n break;\n }\n }\n\n if (specifiers.length && !hasSpecial) {\n
this.token("{");\n\n if (specifiers.length) {\n this.space();\n this.printList(specifiers, node);\n
this.space();\n }\n\n this.token("}");\n }\n\n if (node.source) {\n this.space();\n
this.word("\nfrom");\n this.space();\n this.print(node.source, node);\n this.printAssertions(node);\n }\n\n
this.semicolon();\n }\n }\n\nfunction ImportDeclaration(node) {\n var _node$attributes;\n\n
this.word("\nimport");\n this.space();\n\n if (node.importKind === "type" || node.importKind === "typeof") {\n
this.word(node.importKind);\n this.space();\n }\n\n const specifiers = node.specifiers.slice(0);\n\n if (specifiers
== null ? void 0 : specifiers.length) {\n for (;) {\n const first = specifiers[0];\n\n if
(t.isImportDefaultSpecifier(first) || t.isImportNamespaceSpecifier(first)) {\n this.print(specifiers.shift(),
node);\n\n if (specifiers.length) {\n this.token(",");\n this.space();\n }\n } else {\n
break;\n }\n }\n\n if (specifiers.length) {\n this.token("{");\n this.space();\n
this.printList(specifiers, node);\n this.space();\n this.token("}");\n }\n\n this.space();\n
this.word("\nfrom");\n this.space();\n }\n\n this.print(node.source, node);\n this.printAssertions(node);\n\n if
((_node$attributes = node.attributes) == null ? void 0 : _node$attributes.length) {\n this.space();\n
this.word("\nwith");\n this.space();\n this.printList(node.attributes, node);\n }\n\n
this.semicolon();\n }\n\nfunction ImportAttribute(node) {\n this.print(node.key);\n this.token(":");\n
this.space();\n this.print(node.value);\n }\n\nfunction ImportNamespaceSpecifier(node) {\n this.token("\n");\n
this.space();\n this.word("\nas");\n this.space();\n this.print(node.local, node);\n }, "\nuse
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.Identifier =
Identifier;\nexports.ArgumentPlaceholder = ArgumentPlaceholder;\nexports.SpreadElement = exports.RestElement
= RestElement;\nexports.ObjectPattern = exports.ObjectExpression = ObjectExpression;\nexports.ObjectMethod =
ObjectMethod;\nexports.ObjectProperty = ObjectProperty;\nexports.ArrayPattern = exports.ArrayExpression =
ArrayExpression;\nexports.RecordExpression = RecordExpression;\nexports.TupleExpression =
TupleExpression;\nexports.RegExpLiteral = RegExpLiteral;\nexports.BooleanLiteral =
BooleanLiteral;\nexports.NullLiteral = NullLiteral;\nexports.NumericLiteral =
NumericLiteral;\nexports.StringLiteral = StringLiteral;\nexports.BigIntLiteral =
BigIntLiteral;\nexports.DecimalLiteral = DecimalLiteral;\nexports.PipelineTopicExpression =

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PipelineTopicExpression;\nexports.PipelineBareFunction =
PipelineBareFunction;\nexports.PipelinePrimaryTopicReference = PipelinePrimaryTopicReference;\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nvar _jsesc =
_interopRequireDefault(require(\"jsesc\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
\"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj ===
null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction Identifier(node) {\n this.exactSource(node.loc, () => {\n
this.word(node.name);\n });\n}\n\nfunction ArgumentPlaceholder() {\n this.token(\"?\");\n}\n\nfunction
RestElement(node) {\n this.token(\"...\");\n this.print(node.argument, node);\n}\n\nfunction
ObjectExpression(node) {\n const props = node.properties;\n this.token(\"{\");\n
this.printInnerComments(node);\n\n if (props.length) {\n this.space();\n this.printList(props, node, {\n indent:
true,\n statement: true\n });\n this.space();\n }\n\n this.token(\"}\");\n}\n\nfunction ObjectMethod(node) {\n
this.printJoin(node.decorators, node);\n\n this._methodHead(node);\n\n this.space();\n this.print(node.body,
node);\n}\n\nfunction ObjectProperty(node) {\n this.printJoin(node.decorators, node);\n\n if (node.computed) {\n
this.token(\"[\");\n this.print(node.key, node);\n this.token(\"]\");\n } else {\n if
(t.isAssignmentPattern(node.value) && t.isIdentifier(node.key) && node.key.name === node.value.left.name) {\n
this.print(node.value, node);\n return;\n }\n\n this.print(node.key, node);\n\n if (node.shorthand &&
t.isIdentifier(node.key) && t.isIdentifier(node.value) && node.key.name === node.value.name) {\n return;\n
}\n }\n\n this.token(\":\");\n this.space();\n this.print(node.value, node);\n}\n\nfunction ArrayExpression(node)
{\n const elems = node.elements;\n const len = elems.length;\n this.token(\"[\");\n
this.printInnerComments(node);\n\n for (let i = 0; i < elems.length; i++) {\n const elem = elems[i];\n\n if (elem)
{\n if (i > 0) this.space();\n this.print(elem, node);\n if (i < len - 1) this.token(\",\");\n } else {\n
this.token(\",\");\n }\n }\n\n this.token(\"]\");\n}\n\nfunction RecordExpression(node) {\n const props =
node.properties;\n let startToken;\n let endToken;\n\n if (this.format.recordAndTupleSyntaxType === \"bar\") {\n
startToken = \"{\";\n endToken = \"}\";\n } else if (this.format.recordAndTupleSyntaxType === \"hash\") {\n
startToken = \"#{\";\n endToken = \"}\";\n } else {\n throw new Error(`The \"recordAndTupleSyntaxType\"
generator option must be \"bar\" or \"hash\" ($ {JSON.stringify(this.format.recordAndTupleSyntaxType)})
received.`);\n }\n\n this.token(startToken);\n this.printInnerComments(node);\n\n if (props.length) {\n
this.space();\n this.printList(props, node, {\n indent: true,\n statement: true\n });\n this.space();\n }\n\n
this.token(endToken);\n}\n\nfunction TupleExpression(node) {\n const elems = node.elements;\n const len =
elems.length;\n let startToken;\n let endToken;\n\n if (this.format.recordAndTupleSyntaxType === \"bar\") {\n
startToken = \"[\";\n endToken = \"]\";\n } else if (this.format.recordAndTupleSyntaxType === \"hash\") {\n
startToken = \"#{\";\n endToken = \"}\";\n } else {\n throw new
Error(`${this.format.recordAndTupleSyntaxType} is not a valid recordAndTuple syntax type`);\n }\n\n
this.token(startToken);\n this.printInnerComments(node);\n\n for (let i = 0; i < elems.length; i++) {\n const elem
= elems[i];\n\n if (elem) {\n if (i > 0) this.space();\n this.print(elem, node);\n if (i < len - 1)
this.token(\",\");\n }\n }\n\n this.token(endToken);\n}\n\nfunction RegExpLiteral(node) {\n
this.word(`${node.pattern}/${node.flags}`);\n}\n\nfunction BooleanLiteral(node) {\n this.word(node.value ?
\"true\" : \"false\");\n}\n\nfunction NullLiteral() {\n this.word(\"null\");\n}\n\nfunction NumericLiteral(node) {\n
const raw = this.getPossibleRaw(node);\n const opts = this.format.jsescOption;\n const value = node.value +
\"\";\n\n if (opts.numbers) {\n this.number((0, _jsesc.default)(node.value, opts));\n } else if (raw == null) {\n

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this.number(value);\n } else if (this.format.minified) {\n   this.number(raw.length < value.length ? raw : value);\n }
else {\n   this.number(raw);\n }\n}\n\nfunction StringLiteral(node) {\n  const raw = this.getPossibleRaw(node);\n  if (!this.format.minified && raw != null) {\n    this.token(raw);\n    return;\n  }\n  const opts =
this.format.jsescOption;\n  if (this.format.jsonCompatibleStrings) {\n    opts.json = true;\n  }\n  const val = (0,
_jsesc.default)(node.value, opts);\n  return this.token(val);\n}\n\nfunction BigIntLiteral(node) {\n  const raw =
this.getPossibleRaw(node);\n  if (!this.format.minified && raw != null) {\n    this.token(raw);\n    return;\n  }\n  this.token(node.value + "\"");\n}\n\nfunction DecimalLiteral(node) {\n  const raw = this.getPossibleRaw(node);\n  if (!this.format.minified && raw != null) {\n    this.token(raw);\n    return;\n  }\n  this.token(node.value +
\"m\");\n}\n\nfunction PipelineTopicExpression(node) {\n  this.print(node.expression, node);\n}\n\nfunction
PipelineBareFunction(node) {\n  this.print(node.callee, node);\n}\n\nfunction PipelinePrimaryTopicReference() {\n
this.token("#");\n  }, "\n\nfunction use strict";\n  Object.defineProperty(exports, "__esModule", {\n    value:
true\n  });\n  exports.codeFrameColumns = codeFrameColumns;\n  exports.default = _default;\n  var _highlight =
_interopRequireWildcard(require("@babel/highlight")); \n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nlet deprecationWarningShown = false;\n\nfunction getDefs(chalk)
{\n  return {\n    gutter: chalk.grey,\n    marker: chalk.red.bold,\n    message: chalk.red.bold\n  };}\n\nconst
NEWLINE = /\r\n|[\n\r\u2028\u2029]/;\n\nfunction getMarkerLines(loc, source, opts) {\n  const startLoc =
Object.assign({\n    column: 0,\n    line: -1\n  }, loc.start);\n  const endLoc = Object.assign({\n    startLoc, loc.end\n  });\n  const {\n    linesAbove = 2,\n    linesBelow = 3\n  } = opts || {};\n  const startLine = startLoc.line;\n  const
startColumn = startLoc.column;\n  const endLine = endLoc.line;\n  const endColumn = endLoc.column;\n  let start =
Math.max(startLine - (linesAbove + 1), 0);\n  let end = Math.min(source.length, endLine + linesBelow);\n  if
(startLine === -1) {\n    start = 0;\n  }\n  if (endLine === -1) {\n    end = source.length;\n  }\n  const lineDiff =
endLine - startLine;\n  const markerLines = {};\n  if (lineDiff) {\n    for (let i = 0; i <= lineDiff; i++) {\n      const
lineNumber = i + startLine;\n      if (!startColumn) {\n        markerLines[lineNumber] = true;\n      } else if (i ===
0) {\n        const sourceLength = source[lineNumber - 1].length;\n        markerLines[lineNumber] = [startColumn,
sourceLength - startColumn + 1];\n      } else if (i === lineDiff) {\n        markerLines[lineNumber] = [0,
endColumn];\n      } else {\n        const sourceLength = source[lineNumber - i].length;\n        markerLines[lineNumber] = [0, sourceLength];\n      }\n    }\n  } else {\n    if (startColumn === endColumn) {\n      if (startColumn) {\n        markerLines[startLine] = [startColumn, 0];\n      } else {\n        markerLines[startLine] =
true;\n      }\n    } else {\n      markerLines[startLine] = [startColumn, endColumn - startColumn];\n    }\n  }\n  return {\n    start,\n    end,\n    markerLines\n  };}\n\nfunction codeFrameColumns(rawLines, loc, opts = {}) {\n  const highlighted = (opts.highlightCode || opts.forceColor) && (0, _highlight.shouldHighlight)(opts);\n  const chalk = (0, _highlight.getChalk)(opts);\n  const defs = getDefs(chalk);\n  const maybeHighlight = (chalkFn, string) =>
{\n    return highlighted ? chalkFn(string) : string;\n  };}\n  const lines = rawLines.split(NEWLINE);\n  const {\n    start,\n    end,\n    markerLines\n  } = getMarkerLines(loc, lines, opts);\n  const hasColumns = loc.start && typeof
loc.start.column === "number";\n  const numberMaxWidth = String(end).length;\n  const highlightedLines =
highlighted ? (0, _highlight.default)(rawLines, opts) : rawLines;\n  let frame =
highlightedLines.split(NEWLINE).slice(start, end).map((line, index) => {\n    const number = start + 1 + index;\n    const paddedNumber = `${number}`.slice(-numberMaxWidth);\n    const gutter = ` ${paddedNumber} |`;\n    const
hasMarker = markerLines[number];\n    const lastMarkerLine = !markerLines[number + 1];\n    if (hasMarker) {\n      let markerLine = "";\n      if (Array.isArray(hasMarker)) {\n        const markerSpacing = line.slice(0,

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Math.max(hasMarker[0] - 1, 0)).replace(/[\t]/g, ' ');
const numberOfMarkers = hasMarker[1] || 1;
markerLine = [
  "\n ", maybeHighlight(
    defs.gutter, gutter.replace(/[\d]/g, ' '), ' ', markerSpacing,
    maybeHighlight(
      defs.marker, "\^").repeat(numberOfMarkers).join("\n\n"),
      if (lastMarkerLine &&
        opts.message) {
        markerLine += " " + maybeHighlight(
          defs.message, opts.message);
      }
    ]
  return [
    maybeHighlight(
      defs.marker, ">"), maybeHighlight(
      defs.gutter, gutter), line.length > 0 ? ` ${line} ` : "",
    markerLine].join("\n\n");
  } else {
    return ` ${maybeHighlight(
      defs.gutter, gutter)} ${line.length > 0 ? ` ${line} ` : ""} `;
  }
}
}.join("\n\n");
if (opts.message && !hasColumns) {
  frame = ` ${"
".repeat(numberMaxWidth + 1)} ${opts.message} `;
}
if (highlighted) {
  return chalk.reset(frame);
} else {
  return frame;
}
}
}
function _default(
  rawLines, lineNumber, colNumber,
  opts = {}
) {
  if (!deprecationWarningShown) {
    deprecationWarningShown = true;
    const message = `
    Passing lineNumber and colNumber is deprecated to @babel/code-frame.
    Please use `codeFrameColumns`.`;
    if (process.emitWarning) {
      process.emitWarning(
        message, "DeprecationWarning");
    } else {
      const deprecationError = new Error(
        message);
      deprecationError.name = "DeprecationWarning";
      console.warn(
        new Error(
          message));
    }
  }
  colNumber = Math.max(
    colNumber, 0);
  const location = {
    start: {
      column: colNumber,
      line: lineNumber
    }
  };
  return codeFrameColumns(
    rawLines, location,
    opts);
}
}
/* MIT license */
var cssKeywords = require('color-name');
// NOTE: conversions should only
// return primitive values (i.e. arrays, or
// values that give correct `typeof` results).
// do not use box values
// types (i.e. Number(), String(), etc.)
var reverseKeywords = {};
for (var key in cssKeywords) {
  if (cssKeywords.hasOwnProperty(
    key)) {
    reverseKeywords[
      cssKeywords[key]] = key;
  }
}
var convert =
  module.exports = {
    rgb: { channels: 3, labels: 'rgb' },
    hsl: { channels: 3, labels: 'hsl' },
    hsv: { channels: 3, labels: 'hsv' },
    hwb: { channels: 3, labels: 'hwb' },
    cmyk: { channels: 4, labels: 'cmyk' },
    xyz: { channels: 3, labels: 'xyz' },
    lab: { channels: 3, labels: 'lab' },
    lch: { channels: 3, labels: 'lch' },
    thex: { channels: 1, labels: ['hex'] },
    keyword: { channels: 1, labels: ['keyword'] },
    ansi16: { channels: 1, labels: ['ansi16'] },
    ansi256: { channels: 1, labels: ['ansi256'] },
    thcg: { channels: 3, labels: ['h', 'c', 'g'] },
    tapple: { channels: 3, labels: ['r16', 'g16', 'b16'] },
    tgray: { channels: 1, labels: ['gray'] }
  };
// hide .channels and .labels properties
for (var model in convert) {
  if (convert.hasOwnProperty(
    model)) {
    if (!('channels' in convert[
      model])) {
      throw new Error(
        'missing channels property: ' +
          model);
    }
    if (!('labels' in convert[
      model])) {
      throw new Error(
        'missing channel labels property: ' +
          model);
    }
    if (convert[model].labels.length !==
      convert[model].channels) {
      throw new Error(
        'channel and label counts mismatch: ' +
          model);
    }
    var channels = convert[
      model].channels;
    var labels = convert[
      model].labels;
    delete
      convert[
        model].channels;
    delete
      convert[
        model].labels;
    Object.defineProperty(
      convert[
        model], 'channels', {
      value: channels
    });
    Object.defineProperty(
      convert[
        model], 'labels', {
      value: labels
    });
  }
}
convert.rgb.hsl = function (
  rgb
) {
  var r = rgb[0] / 255;
  var g = rgb[1] / 255;
  var b = rgb[2] / 255;
  var min = Math.min(
    r, g, b);
  var max = Math.max(
    r, g, b);
  var delta = max - min;
  var h;
  var s;
  var l;
  if (max === min) {
    h = 0;
  } else if (r === max) {
    h = (g - b) / delta;
  } else if (g === max) {
    h = 2 + (b - r) / delta;
  } else if (b === max) {
    h = 4 + (r - g) / delta;
  }
  h = Math.min(
    h * 60, 360);
  if (h < 0) {
    h += 360;
  }
  l = (min + max) / 2;
  if (max === min) {
    s = 0;
  } else if (l <= 0.5) {
    s = delta / (max + min);
  } else {
    s = delta / (2 - max - min);
  }
  return [
    h, s * 100, l * 100];
};
convert.rgb.hsv = function (
  rgb
) {
  var rdif;
  var gdif;
  var bdif;
  var h;
  var s;
  var r = rgb[0] / 255;
  var g = rgb[1] / 255;
  var b = rgb[2] / 255;
  var v = Math.max(
    r, g, b);
  var diff = v - Math.min(
    r, g, b);
  var diffc = function (
    c
  ) {
    return (
      v - c
    ) / 6 / diff + 1 / 2;
  };
  if (diff === 0) {
    h = s = 0;
  } else {
    s = diff / v;
    h = diffc(
      r) * 360;
    h = diffc(
      g) * 360;
    h = diffc(
      b) * 360;
    if (r === v) {
      h = h - 360;
    }
    if (g === v) {
      h = h - 360;
    }
    if (b === v) {
      h = h - 360;
    }
  }
  return [
    h, s * 100, v * 100];
};
convert.rgb.hwb = function (
  rgb
) {
  var r = rgb[0];
  var g = rgb[1];
  var b = rgb[2];
  var h = convert.rgb.hsl(
    rgb)[0];
  var w = 1 / 255 * Math.min(
    r, Math.min(
      g, b));
  var tb = 1 - 1 / 255 * Math.max(
    r, Math.max(
      g, b));
  return [
    h, w * 100, b * 100];
};
convert.rgb.cmyk = function (
  rgb
) {
  var r = rgb[0] / 255;
  var g = rgb[1] / 255;
  var b = rgb[2] / 255;
  var c;
  var m;
  var y;
  var k;
  k = Math.min(
    1 - r, 1 -

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g, 1 - b);\n\tc = (1 - r - k) / (1 - k) || 0;\n\tm = (1 - g - k) / (1 - k) || 0;\n\ty = (1 - b - k) / (1 - k) || 0;\n\n\treturn [c *
100, m * 100, y * 100, k * 100];\n};\n\n**\n * See
https://en.m.wikipedia.org/wiki/Euclidean_distance#Squared_Euclidean_distance\n * *\nfunction
comparativeDistance(x, y) {\n\treturn (\n\t\tMath.pow(x[0] - y[0], 2) +\n\t\tMath.pow(x[1] - y[1], 2)
+\n\t\tMath.pow(x[2] - y[2], 2)\n\t);\n}\n\nconvert.rgb.keyword = function (rgb) {\n\tvar reversed =
reverseKeywords[rgb];\n\tif (reversed) {\n\t\treturn reversed;\n\t}\n\n\tvar currentClosestDistance = Infinity;\n\tvar
currentClosestKeyword;\n\tfor (var keyword in cssKeywords) {\n\t\tif (cssKeywords.hasOwnProperty(keyword))
{\n\t\t\tvar value = cssKeywords[keyword];\n\t\t\t// Compute comparative distance\n\t\t\tvar distance =
comparativeDistance(rgb, value);\n\t\t\t// Check if its less, if so set as closest\n\t\t\tif (distance <
currentClosestDistance) {\n\t\t\t\tcurrentClosestDistance = distance;\n\t\t\t\tcurrentClosestKeyword =
keyword;\n\t\t\t}\n\t\t}\n\t}\n\treturn currentClosestKeyword;\n};\n\nconvert.keyword.rgb = function (keyword)
{\n\treturn cssKeywords[keyword];\n};\n\nconvert.rgb.xyz = function (rgb) {\n\tvar r = rgb[0] / 255;\n\tvar g =
rgb[1] / 255;\n\tvar b = rgb[2] / 255;\n\n\t// assume sRGB\n\tvar r = r > 0.04045 ? Math.pow((r + 0.055) / 1.055), 2.4) :
(r / 12.92);\n\tvar g = g > 0.04045 ? Math.pow((g + 0.055) / 1.055), 2.4) : (g / 12.92);\n\tvar b = b > 0.04045 ?
Math.pow((b + 0.055) / 1.055), 2.4) : (b / 12.92);\n\n\tvar x = (r * 0.4124) + (g * 0.3576) + (b * 0.1805);\n\tvar y =
(r * 0.2126) + (g * 0.7152) + (b * 0.0722);\n\tvar z = (r * 0.0193) + (g * 0.1192) + (b * 0.9505);\n\n\treturn [x * 100,
y * 100, z * 100];\n};\n\nconvert.rgb.lab = function (rgb) {\n\tvar xyz = convert.rgb.xyz(rgb);\n\tvar x =
xyz[0];\n\tvar y = xyz[1];\n\tvar z = xyz[2];\n\tvar l;\n\tvar a;\n\tvar b;\n\tvar tx /= 95.047;\n\tvar ty /= 100;\n\tvar tz /=
108.883;\n\n\tvar tx = x > 0.008856 ? Math.pow(x, 1 / 3) : (7.787 * x) + (16 / 116);\n\tvar ty = y > 0.008856 ? Math.pow(y, 1
/ 3) : (7.787 * y) + (16 / 116);\n\tvar tz = z > 0.008856 ? Math.pow(z, 1 / 3) : (7.787 * z) + (16 / 116);\n\n\tvar tl = (116 * y) -
16;\n\tvar ta = 500 * (x - y);\n\tvar tb = 200 * (y - z);\n\n\treturn [l, a, b];\n};\n\nconvert.hsl.rgb = function (hsl) {\n\tvar h =
hsl[0] / 360;\n\tvar s = hsl[1] / 100;\n\tvar l = hsl[2] / 100;\n\tvar t1;\n\tvar t2;\n\tvar t3;\n\tvar rgb;\n\tvar val;\n\n\tif
(s === 0) {\n\t\tvar l = 1 * 255;\n\t\treturn [val, val, val];\n\t}\n\n\tif (l < 0.5) {\n\t\tvar t2 = 1 * (1 + s);\n\t} else {\n\t\tvar t2 =
1 + s - 1 * s;\n\t}\n\n\tvar t1 = 2 * l - t2;\n\n\tvar rgb = [0, 0, 0];\n\tfor (var i = 0; i < 3; i++) {\n\t\tvar t3 = h + 1 / 3 * -(i -
1);\n\t\tif (t3 < 0) {\n\t\t\tt3++;\n\t\t}\n\t\tif (t3 > 1) {\n\t\t\tt3--;\n\t\t}\n\t\tif (6 * t3 < 1) {\n\t\t\tvar tval = t1 + (t2 - t1) *
6 * t3;\n\t\t}\n\t\telse if (2 * t3 < 1) {\n\t\t\tvar tval = t2;\n\t\t}\n\t\telse if (3 * t3 < 2) {\n\t\t\tvar tval = t1 + (t2 - t1) * (2 / 3 - t3) *
6;\n\t\t}\n\t\telse {\n\t\t\tvar tval = t1;\n\t\t}\n\t\tvar rgb[i] = val * 255;\n\t}\n\n\treturn rgb;\n};\n\nconvert.hsl.hsv = function
(hsl) {\n\tvar h = hsl[0];\n\tvar s = hsl[1] / 100;\n\tvar l = hsl[2] / 100;\n\tvar smin = s;\n\tvar lmin = Math.max(l,
0.01);\n\tvar sv;\n\tvar v;\n\tvar tl *= 2;\n\tvar ts *= (l <= 1) ? l : 2 - l;\n\tvar smin *= lmin <= 1 ? lmin : 2 - lmin;\n\tvar v = (1 + s) /
2;\n\tvar sv = 1 === 0 ? (2 * smin) / (lmin + smin) : (2 * s) / (1 + s);\n\n\treturn [h, sv * 100, v *
100];\n};\n\nconvert.hsv.rgb = function (hsv) {\n\tvar h = hsv[0] / 60;\n\tvar s = hsv[1] / 100;\n\tvar v = hsv[2] /
100;\n\tvar hi = Math.floor(h) % 6;\n\tvar f = h - Math.floor(h);\n\tvar p = 255 * v * (1 - s);\n\tvar q = 255 * v * (1
- (s * f));\n\tvar t = 255 * v * (1 - (s * (1 - f)));\n\tvar tv *= 255;\n\n\tswitch (hi) {\n\t\tcase 0:\n\t\t\treturn [v, t,
p];\n\t\tcase 1:\n\t\t\treturn [q, v, p];\n\t\tcase 2:\n\t\t\treturn [p, v, t];\n\t\tcase 3:\n\t\t\treturn [p, q, v];\n\t\tcase
4:\n\t\t\treturn [t, p, v];\n\t\tcase 5:\n\t\t\treturn [v, p, q];\n\t}\n};\n\nconvert.hsv.hsl = function (hsv) {\n\tvar h =
hsv[0];\n\tvar s = hsv[1] / 100;\n\tvar v = hsv[2] / 100;\n\tvar vmin = Math.max(v, 0.01);\n\tvar lmin;\n\tvar
sl;\n\tvar l;\n\tvar tl = (2 - s) * v;\n\tvar lmin = (2 - s) * vmin;\n\tvar sl = s * vmin;\n\tvar sl /= (lmin <= 1) ? lmin : 2 - lmin;\n\tvar sl =
sl || 0;\n\tvar tl /= 2;\n\n\treturn [h, sl * 100, l * 100];\n};\n\n// http://dev.w3.org/csswg/css-color/#hwb-to-
rgb\nconvert.hwb.rgb = function (hwb) {\n\tvar h = hwb[0] / 360;\n\tvar wh = hwb[1] / 100;\n\tvar bl = hwb[2] /
100;\n\tvar ratio = wh + bl;\n\tvar i;\n\tvar v;\n\tvar f;\n\tvar n;\n\n\t// wh + bl cant be > 1\n\tif (ratio > 1) {\n\t\tvar twh
/= ratio;\n\t\tvar tbl /= ratio;\n\t}\n\n\tvar ti = Math.floor(6 * h);\n\tvar tv = 1 - bl;\n\tvar tf = 6 * h - i;\n\tvar tif ((i & 0x01) !== 0) {\n\t\tvar
tf = 1 - f;\n\t}\n\n\tvar tn = wh + f * (v - wh); // linear interpolation\n\tvar r;\n\tvar g;\n\tvar b;\n\n\tswitch (i)
{\n\t\tdefault:\n\t\t\tcase 6:\n\t\t\tcase 0: r = v; g = n; b = wh; break;\n\t\tcase 1: r = n; g = v; b = wh; break;\n\t\tcase 2: r =
wh; g = v; b = n; break;\n\t\tcase 3: r = wh; g = n; b = v; break;\n\t\tcase 4: r = n; g = wh; b = v; break;\n\t\tcase 5:
r = v; g = wh; b = n; break;\n\t}\n\n\treturn [r * 255, g * 255, b * 255];\n};\n\nconvert.cmyk.rgb = function (cmyk)
{\n\tvar c = cmyk[0] / 100;\n\tvar m = cmyk[1] / 100;\n\tvar y = cmyk[2] / 100;\n\tvar k = cmyk[3] / 100;\n\tvar
r;\n\tvar g;\n\tvar b;\n\n\tvar tr = 1 - Math.min(1, c * (1 - k) + k);\n\tvar tg = 1 - Math.min(1, m * (1 - k) + k);\n\tvar tb = 1 -
Math.min(1, y * (1 - k) + k);\n\n\treturn [r * 255, g * 255, b * 255];\n};\n\nconvert.xyz.rgb = function (xyz) {\n\tvar

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x = xyz[0] / 100;\n\tvar y = xyz[1] / 100;\n\tvar z = xyz[2] / 100;\n\tvar r;\n\tvar g;\n\tvar b;\n\n\ttr = (x * 3.2406) +
(y * -1.5372) + (z * -0.4986);\n\tg = (x * -0.9689) + (y * 1.8758) + (z * 0.0415);\n\tb = (x * 0.0557) + (y * -0.2040)
+ (z * 1.0570);\n\n\t// assume sRGB\n\ttr = r > 0.0031308\n\t? ((1.055 * Math.pow(r, 1.0 / 2.4)) - 0.055)\n\t: r *
12.92;\n\tg = g > 0.0031308\n\t? ((1.055 * Math.pow(g, 1.0 / 2.4)) - 0.055)\n\t: g * 12.92;\n\tb = b >
0.0031308\n\t? ((1.055 * Math.pow(b, 1.0 / 2.4)) - 0.055)\n\t: b * 12.92;\n\n\ttr = Math.min(Math.max(0, r),
1);\n\tg = Math.min(Math.max(0, g), 1);\n\tb = Math.min(Math.max(0, b), 1);\n\n\treturn [r * 255, g * 255, b *
255];\n};\n\n\tconvert.xyz.lab = function (xyz) {\n\tvar x = xyz[0];\n\tvar y = xyz[1];\n\tvar z = xyz[2];\n\tvar l;\n\tvar
a;\n\tvar b;\n\n\ttx /= 95.047;\n\tty /= 100;\n\ttz /= 108.883;\n\n\ttx = x > 0.008856 ? Math.pow(x, 1 / 3) : (7.787 * x) +
(16 / 116);\n\tty = y > 0.008856 ? Math.pow(y, 1 / 3) : (7.787 * y) + (16 / 116);\n\ttz = z > 0.008856 ? Math.pow(z, 1
/ 3) : (7.787 * z) + (16 / 116);\n\n\ttl = (116 * ty) - 16;\n\tta = 500 * (x - y);\n\ttb = 200 * (y - z);\n\n\treturn [l, a,
b];\n};\n\n\tconvert.lab.xyz = function (lab) {\n\tvar l = lab[0];\n\tvar a = lab[1];\n\tvar b = lab[2];\n\tvar x;\n\tvar
y;\n\tvar z;\n\n\tty = (l + 16) / 116;\n\ttx = a / 500 + ty;\n\ttz = y - b / 200;\n\n\tvar y2 = Math.pow(y, 3);\n\tvar x2 =
Math.pow(x, 3);\n\tvar z2 = Math.pow(z, 3);\n\tty = y2 > 0.008856 ? y2 : (y - 16 / 116) / 7.787;\n\ttx = x2 > 0.008856
? x2 : (x - 16 / 116) / 7.787;\n\ttz = z2 > 0.008856 ? z2 : (z - 16 / 116) / 7.787;\n\n\ttx *= 95.047;\n\tty *= 100;\n\ttz *=
108.883;\n\n\treturn [x, y, z];\n};\n\n\tconvert.lab.lch = function (lab) {\n\tvar l = lab[0];\n\tvar a = lab[1];\n\tvar b =
lab[2];\n\tvar hr;\n\tvar h;\n\tvar c;\n\n\tthr = Math.atan2(b, a);\n\tth = hr * 360 / 2 / Math.PI;\n\n\tif (h < 0) {\n\tth +=
360;\n\t}\n\n\ttc = Math.sqrt(a * a + b * b);\n\n\treturn [l, c, h];\n};\n\n\tconvert.lch.lab = function (lch) {\n\tvar l =
lch[0];\n\tvar c = lch[1];\n\tvar h = lch[2];\n\tvar a;\n\tvar b;\n\tvar hr;\n\n\tthr = h / 360 * 2 * Math.PI;\n\tta = c *
Math.cos(hr);\n\ttb = c * Math.sin(hr);\n\n\treturn [l, a, b];\n};\n\n\tconvert.rgb.ansi16 = function (args) {\n\tvar r =
args[0];\n\tvar g = args[1];\n\tvar b = args[2];\n\tvar value = 1 in arguments ? arguments[1] :
convert.rgb.hsv(args)[2]; // hsv -> ansi16 optimization\n\tvalue = Math.round(value / 50);\n\n\tif (value === 0)
{\n\treturn 30;\n\t}\n\n\tvar ansi = 30\n\t+ ((Math.round(b / 255) << 2)\n\t+ (Math.round(g / 255) << 1)\n\t+
Math.round(r / 255));\n\n\tif (value === 2) {\n\tansi += 60;\n\t}\n\n\treturn ansi;\n};\n\n\tconvert.hsv.ansi16 =
function (args) {\n\t// optimization here; we already know the value and don't need to get\n\t// it converted for
us.\n\treturn convert.rgb.ansi16(convert.hsv.rgb(args), args[2]);\n};\n\n\tconvert.rgb.ansi256 = function (args) {\n\tvar
r = args[0];\n\tvar g = args[1];\n\tvar b = args[2];\n\n\t// we use the extended greyscale palette here, with the
exception of\n\t// black and white. normal palette only has 4 greyscale shades.\n\tif (r === g && g === b) {\n\tif (r
< 8) {\n\treturn 16;\n\t}\n\tif (r > 248) {\n\treturn 231;\n\t}\n\treturn Math.round(((r - 8) / 247) * 24)
+ 232;\n\t}\n\n\tvar ansi = 16\n\t+ (36 * Math.round(r / 255 * 5))\n\t+ (6 * Math.round(g / 255 * 5))\n\t+
Math.round(b / 255 * 5);\n\n\treturn ansi;\n};\n\n\tconvert.ansi16.rgb = function (args) {\n\tvar color = args %
10;\n\n\t// handle greyscale\n\tif (color === 0 || color === 7) {\n\tif (args > 50) {\n\tcolor +=
3.5;\n\t}\n\tcolor = color / 10.5 * 255;\n\treturn [color, color, color];\n\t}\n\n\tvar mult = ((args > 50) + 1)
* 0.5;\n\tvar r = ((color & 1) * mult) * 255;\n\tvar g = (((color >> 1) & 1) * mult) * 255;\n\tvar b = (((color >> 2) &
1) * mult) * 255;\n\n\treturn [r, g, b];\n};\n\n\tconvert.ansi256.rgb = function (args) {\n\t// handle greyscale\n\tif (args
>= 232) {\n\tvar c = (args - 232) * 10 + 8;\n\treturn [c, c, c];\n\t}\n\n\tvar targs -= 16;\n\tvar rem;\n\tvar r =
Math.floor(args / 36) / 5 * 255;\n\tvar g = Math.floor((rem = args % 36) / 6) / 5 * 255;\n\tvar b = (rem % 6) / 5 *
255;\n\n\treturn [r, g, b];\n};\n\n\tconvert.rgb.hex = function (args) {\n\tvar integer = ((Math.round(args[0]) & 0xFF)
<< 16)\n\t+ ((Math.round(args[1]) & 0xFF) << 8)\n\t+ (Math.round(args[2]) & 0xFF);\n\n\tvar string =
integer.toString(16).toUpperCase();\n\treturn '000000'.substring(string.length) + string;\n};\n\n\tconvert.hex.rgb =
function (args) {\n\tvar match = args.toString(16).match(/[a-f0-9]{6}|[a-f0-9]{3}/i);\n\n\tif (!match) {\n\treturn [0, 0,
0];\n\t}\n\n\tvar colorString = match[0];\n\n\tif (match[0].length === 3) {\n\tcolorString =
colorString.split('').map(function (char) {\n\treturn char + char;\n\t}).join('');\n\t}\n\n\tvar integer =
parseInt(colorString, 16);\n\tvar r = (integer >> 16) & 0xFF;\n\tvar g = (integer >> 8) & 0xFF;\n\tvar b = integer &
0xFF;\n\n\treturn [r, g, b];\n};\n\n\tconvert.rgb.hcg = function (rgb) {\n\tvar r = rgb[0] / 255;\n\tvar g = rgb[1] /
255;\n\tvar b = rgb[2] / 255;\n\tvar max = Math.max(Math.max(r, g), b);\n\tvar min = Math.min(Math.min(r, g),
b);\n\tvar chroma = (max - min);\n\tvar grayscale;\n\tvar hue;\n\n\tif (chroma < 1) {\n\tgrayscale = min / (1 -
chroma);\n\t}\n\telse {\n\tgrayscale = 0;\n\t}\n\n\tif (chroma <= 0) {\n\tthue = 0;\n\t}\n\telse\n\tif (max === r) {\n\tthue = ((g - b) / chroma) % 6;\n\t}\n\telse\n\tif (max === g) {\n\tthue = 2 + (b - r) / chroma;\n\t}\n\telse
{\n\tthue = 4 + (r - g)

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 / chroma + 4;\n\t}\n\t\nthue /= 6;\n\t\nthue %= 1;\n\t\n\treturn [hue * 360, chroma * 100, grayscale *
100];\n};\n\nconvert.hsl.hcg = function (hsl) {\n\tvar s = hsl[1] / 100;\n\tvar l = hsl[2] / 100;\n\tvar c = 1;\n\tvar f =
0;\n\t\n\tif (l < 0.5) {\n\t\ttc = 2.0 * s * l;\n\t} else {\n\t\ttc = 2.0 * s * (1.0 - l);\n\t}\n\t\n\tif (c < 1.0) {\n\t\ttf = (1 - 0.5 * c)
/ (1.0 - c);\n\t}\n\t\n\treturn [hsl[0], c * 100, f * 100];\n};\n\nconvert.hsv.hcg = function (hsv) {\n\tvar s = hsv[1] /
100;\n\tvar v = hsv[2] / 100;\n\t\n\tvar c = s * v;\n\tvar f = 0;\n\t\n\tif (c < 1.0) {\n\t\ttf = (v - c) / (1 - c);\n\t}\n\t\n\treturn
[hsv[0], c * 100, f * 100];\n};\n\nconvert.hcg.rgb = function (hcg) {\n\tvar h = hcg[0] / 360;\n\tvar c = hcg[1] /
100;\n\tvar g = hcg[2] / 100;\n\t\n\tif (c === 0.0) {\n\t\treturn [g * 255, g * 255, g * 255];\n\t}\n\t\n\tvar pure = [0, 0,
0];\n\tvar hi = (h % 1) * 6;\n\tvar v = hi % 1;\n\tvar w = 1 - v;\n\tvar mg = 0;\n\t\n\tswitch (Math.floor(hi)) {\n\t\t\tcase
0:\n\t\t\t\tpure[0] = 1; pure[1] = v; pure[2] = 0; break;\n\t\t\tcase 1:\n\t\t\t\tpure[0] = w; pure[1] = 1; pure[2] = 0;
break;\n\t\t\tcase 2:\n\t\t\t\tpure[0] = 0; pure[1] = 1; pure[2] = v; break;\n\t\t\tcase 3:\n\t\t\t\tpure[0] = 0; pure[1] = w;
pure[2] = 1; break;\n\t\t\tcase 4:\n\t\t\t\tpure[0] = v; pure[1] = 0; pure[2] = 1; break;\n\t\t\tdefault:\n\t\t\t\tpure[0] = 1;
pure[1] = 0; pure[2] = w;\n\t\t}\n\t\n\tvar tmg = (1.0 - c) * g;\n\t\n\treturn [\n\t\t\t(c * pure[0] + mg) * 255,\n\t\t\t(c * pure[1] +
mg) * 255,\n\t\t\t(c * pure[2] + mg) * 255\n\t];\n};\n\nconvert.hcg.hsv = function (hcg) {\n\tvar c = hcg[1] /
100;\n\tvar g = hcg[2] / 100;\n\t\n\tvar v = c + g * (1.0 - c);\n\tvar f = 0;\n\t\n\tif (v > 0.0) {\n\t\ttf = c /
v;\n\t}\n\t\n\treturn [hcg[0], f * 100, v * 100];\n};\n\nconvert.hcg.hsl = function (hcg) {\n\tvar c = hcg[1] / 100;\n\tvar
g = hcg[2] / 100;\n\t\n\tvar l = g * (1.0 - c) + 0.5 * c;\n\tvar s = 0;\n\t\n\tif (l > 0.0 && l < 0.5) {\n\t\tts = c / (2 * l);\n\t}
else\n\t\tif (l >= 0.5 && l < 1.0) {\n\t\tts = c / (2 * (1 - l));\n\t}\n\t\n\treturn [hcg[0], s * 100, l *
100];\n};\n\nconvert.hcg.hwb = function (hcg) {\n\tvar c = hcg[1] / 100;\n\tvar g = hcg[2] / 100;\n\t\n\tvar v = c + g *
(1.0 - c);\n\t\n\treturn [hcg[0], (v - c) * 100, (1 - v) * 100];\n};\n\nconvert.hwb.hcg = function (hwb) {\n\tvar w =
hwb[1] / 100;\n\tvar b = hwb[2] / 100;\n\t\n\tvar v = 1 - b;\n\tvar c = v - w;\n\tvar g = 0;\n\t\n\tif (c < 1) {\n\t\ttg = (v - c) /
(1 - c);\n\t}\n\t\n\treturn [hwb[0], c * 100, g * 100];\n};\n\nconvert.apple.rgb = function (apple) {\n\treturn [(apple[0]
/ 65535) * 255, (apple[1] / 65535) * 255, (apple[2] / 65535) * 255];\n};\n\nconvert.rgb.apple = function (rgb)
{\n\treturn [(rgb[0] / 255) * 65535, (rgb[1] / 255) * 65535, (rgb[2] / 255) * 65535];\n};\n\nconvert.gray.rgb =
function (args) {\n\treturn [args[0] / 100 * 255, args[0] / 100 * 255, args[0] / 100 * 255];\n};\n\nconvert.gray.hsl =
convert.gray.hsv = function (args) {\n\treturn [0, 0, args[0]]; \n};\n\nconvert.gray.hwb = function (gray) {\n\treturn
[0, 100, gray[0]]; \n};\n\nconvert.gray.cmyk = function (gray) {\n\treturn [0, 0, 0, gray[0]]; \n};\n\nconvert.gray.lab =
function (gray) {\n\treturn [gray[0], 0, 0]; \n};\n\nconvert.gray.hex = function (gray) {\n\tvar val =
Math.round(gray[0] / 100 * 255) & 0xFF;\n\tvar integer = (val << 16) + (val << 8) + val;\n\t\n\tvar string =
integer.toString(16).toUpperCase();\n\t\n\treturn '000000'.substring(string.length) + string;\n};\n\nconvert.rgb.gray =
function (rgb) {\n\tvar val = (rgb[0] + rgb[1] + rgb[2]) / 3;\n\t\n\treturn [val / 255 * 100];\n};\n\n'use
strict';\n\nObject.defineProperty(exports, '__esModule', {\n\tvalue: true\n});\n\nexports.default =
parseAndBuildMetadata;\n\nvar t = _interopRequireWildcard(require('@babel/types'));\n\nvar _parser =
require('@babel/parser');\n\nvar _codeFrame = require('@babel/code-frame');\n\nfunction
_getRequireWildcardCache() {\n\tif (typeof WeakMap !== 'function')\n\t\treturn null;\n\tvar cache = new WeakMap();\n\t\n\t_getRequireWildcardCache = function () {\n\t\treturn cache;\n\t};\n\t\n\treturn cache;\n}\n\nfunction
_interopRequireWildcard(obj) {\n\tif (obj && obj.__esModule) {\n\t\treturn obj;\n\t}\n\tif (obj === null || typeof obj !==
'object' && typeof obj !== 'function') {\n\t\treturn {\n\t\t\tdefault: obj\n\t};\n\t}\n\tvar cache = _getRequireWildcardCache();\n\tif
(cache && cache.has(obj)) {\n\t\treturn cache.get(obj);\n\t}\n\tvar newObj = {};\n\tvar hasPropertyDescriptor =
Object.defineProperty && Object.getOwnPropertyDescriptor;\n\tfor (var key in obj) {\n\t\tif
(Object.prototype.hasOwnProperty.call(obj, key)) {\n\t\t\tvar desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null;\n\t\t\tif (desc && (desc.get || desc.set)) {\n\t\t\t\tObject.defineProperty(newObj,
key, desc);\n\t\t\t}\n\t\t\telse {\n\t\t\t\tnewObj[key] = obj[key];\n\t\t\t}\n\t\t}\n\t}\n\t\n\tnewObj.default = obj;\n\tif (cache) {\n\t\tcache.set(obj,
newObj);\n\t}\n\t\n\treturn newObj;\n}\n\nconst PATTERN = /^_?$A-Z0-9]+$/;\n\nfunction
parseAndBuildMetadata(formatter, code, opts) {\n\tconst {\n\t\tplaceholderWhitelist,\n\t\tplaceholderPattern,\n\t\tpreserveComments,\n\t\t syntacticPlaceholders\n\t} = opts;\n\tconst ast = parseWithCodeFrame(code, opts.parser,
syntacticPlaceholders);\n\tt.removePropertiesDeep(ast, {\n\t\tpreserveComments\n\t});\n\t\n\tformatter.validate(ast);\n\t\n\tconst syntactic = {\n\t\tplaceholderNames: new Set(),\n\t\tplaceholderNames: new Set()\n\t};\n\t\n\tconst legacy = {\n\t\tplaceholderNames: new Set(),\n\t\tplaceholderNames: new Set()\n\t};\n\t\n\tconst isLegacyRef = {\n\t\tvalue: undefined\n\t};\n\t\n\tt.traverse(ast,
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placeholderVisitorHandler, {\n syntactic,\n legacy,\n isLegacyRef,\n placeholderWhitelist,\n
placeholderPattern,\n syntacticPlaceholders\n });\n return Object.assign({\n ast\n }, isLegacyRef.value ?
legacy : syntactic);\n\n\nfunction placeholderVisitorHandler(node, ancestors, state) {\n var
_state$placeholderWhi;\n\n let name;\n\n if (t.isPlaceholder(node)) {\n if (state.syntacticPlaceholders === false)
{\n throw new Error(`%%foo%%-style placeholders can't be used when ` + `'.syntacticPlaceholders' is
false.`);\n } else {\n name = node.name.name;\n state.isLegacyRef.value = false;\n }\n } else if
(state.isLegacyRef.value === false || state.syntacticPlaceholders) {\n return;\n } else if (t.isIdentifier(node) ||
t.isJSXIdentifier(node)) {\n name = node.name;\n state.isLegacyRef.value = true;\n } else if
(t.isStringLiteral(node)) {\n name = node.value;\n state.isLegacyRef.value = true;\n } else {\n return;\n }\n\n
if (!state.isLegacyRef.value && (state.placeholderPattern !== null || state.placeholderWhitelist !== null)) {\n throw
new Error(`'.placeholderWhitelist' and '.placeholderPattern' aren't compatible` + ` with '.syntacticPlaceholders:
true`);\n }\n\n if (state.isLegacyRef.value && (state.placeholderPattern === false || !(state.placeholderPattern ||
PATTERN).test(name)) && !((_state$placeholderWhi = state.placeholderWhitelist) === null ? void 0 :
_state$placeholderWhi.has(name))) {\n return;\n }\n\n ancestors = ancestors.slice();\n const {\n node: parent,\n
key\n } = ancestors[ancestors.length - 1];\n let type;\n\n if (t.isStringLiteral(node) || t.isPlaceholder(node, {\n
expectedNode: "StringLiteral"\n })) {\n type = "string";\n } else if (t.isNewExpression(parent) && key ===
"arguments" || t.isCallExpression(parent) && key === "arguments" || t.isFunction(parent) && key ===
"params") {\n type = "param";\n } else if (t.isExpressionStatement(parent) && !t.isPlaceholder(node)) {\n
type = "statement";\n ancestors = ancestors.slice(0, -1);\n } else if (t.isStatement(node) &&
t.isPlaceholder(node)) {\n type = "statement";\n } else {\n type = "other";\n }\n\n const {\n placeholders,\n
placeholderNames\n } = state.isLegacyRef.value ? state.legacy : state.syntactic;\n placeholders.push({\n
name,\n type,\n resolve: ast => resolveAncestors(ast, ancestors),\n isDuplicate: placeholderNames.has(name)\n
});\n placeholderNames.add(name);\n\n\nfunction resolveAncestors(ast, ancestors) {\n let parent = ast;\n\n for
(let i = 0; i < ancestors.length - 1; i++) {\n const {\n key,\n index\n } = ancestors[i];\n\n if (index ===
undefined) {\n parent = parent[key];\n } else {\n parent = parent[key][index];\n }\n }\n\n const {\n
key,\n index\n } = ancestors[ancestors.length - 1];\n return {\n parent,\n key,\n index\n };\n\n\nfunction
parseWithCodeFrame(code, parserOpts, syntacticPlaceholders) {\n const plugins = (parserOpts.plugins ||
[]).slice();\n\n if (syntacticPlaceholders !== false) {\n plugins.push("placeholders");\n }\n\n parserOpts =
Object.assign({\n allowReturnOutsideFunction: true,\n allowSuperOutsideMethod: true,\n sourceType:
"module"\n }, parserOpts, {\n plugins\n });\n\n try {\n return (0, _parser.parse)(code, parserOpts);\n } catch
(err) {\n const loc = err.loc;\n\n if (loc) {\n err.message += `\\n` + (0,
_codeFrame.codeFrameColumns)(code, {\n start: loc\n });\n err.code =
"BABEL_TEMPLATE_PARSE_ERROR";\n }\n\n throw err;\n }\n\n\n"strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.default =
populatePlaceholders;\n\n\nvar t = _interopRequireWildcard(require("@babel/types")); \n\n\nfunction
_getRequireWildcardCache() { if (typeof WeakMap !== "function") return null; var cache = new WeakMap();
_getRequireWildcardCache = function () { return cache; }; return cache; }\n\n\nfunction
_interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !==
"object" && typeof obj !== "function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if
(cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor =
Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\n\nfunction populatePlaceholders(metadata, replacements) {\n const ast
= t.cloneNode(metadata.ast);\n\n if (replacements) {\n metadata.placeholders.forEach(placeholder => {\n if
(!Object.prototype.hasOwnProperty.call(replacements, placeholder.name)) {\n const placeholderName =
placeholder.name;\n throw new Error(`Error: No substitution given for ` + `${placeholderName}` + ``. If this is not

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meant to be a placeholder you may want to consider passing one of the following options to

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@babel/template:\n      - { placeholderPattern: false, placeholderWhitelist: new Set(['${placeholderName}'])}\n        - { placeholderPattern: /^${placeholderName}$/`);\n      }\n    }; Object.keys(replacements).forEach(key\n=> {\n      if (!metadata.placeholderNames.has(key)) {\n        throw new Error(`Unknown substitution \"\${key}\" given`);\n      }\n    });\n    metadata.placeholders.slice().reverse().forEach(placeholder => {\n      try {\n        applyReplacement(placeholder, ast, replacements && replacements[placeholder.name] || null);\n      } catch (e) {\n        e.message = `@babel/template placeholder \"\${placeholder.name}\": \${e.message}`;\n        throw e;\n      }\n    });\n    return ast;\n  }\n\n  function applyReplacement(placeholder, ast, replacement) {\n    if (placeholder.isDuplicate) {\n      if (Array.isArray(replacement)) {\n        replacement = replacement.map(node => t.cloneNode(node));\n      } else if (typeof replacement === \"object\") {\n        replacement = t.cloneNode(replacement);\n      }\n      const {\n        parent,\n        key,\n        index\n      } = placeholder.resolve(ast);\n      if (placeholder.type === \"string\") {\n        if (typeof replacement === \"string\") {\n          replacement = t.stringLiteral(replacement);\n        }\n        if (!replacement || !t.isStringLiteral(replacement)) {\n          throw new Error(\"Expected string substitution\");\n        } else if (placeholder.type === \"statement\") {\n          if (index === undefined) {\n            if (!replacement) {\n              replacement = t.emptyStatement();\n            } else if (Array.isArray(replacement)) {\n              replacement = t.blockStatement(replacement);\n            } else if (typeof replacement === \"string\") {\n              replacement = t.expressionStatement(t.identifier(replacement));\n            } else if (!t.isStatement(replacement)) {\n              replacement = t.expressionStatement(replacement);\n            }\n          } else {\n            if (replacement && !Array.isArray(replacement)) {\n              if (typeof replacement === \"string\") {\n                replacement = t.identifier(replacement);\n              }\n              if (!t.isStatement(replacement)) {\n                replacement = t.expressionStatement(replacement);\n              }\n            }\n          } else if (placeholder.type === \"param\") {\n            if (typeof replacement === \"string\") {\n              replacement = t.identifier(replacement);\n            }\n            if (index === undefined) throw new Error(\"Assertion failure.\");\n          } else {\n            if (typeof replacement === \"string\") {\n              replacement = t.identifier(replacement);\n            }\n            if (Array.isArray(replacement)) {\n              throw new Error(\"Cannot replace single expression with an array.\");\n            }\n            if (index === undefined) {\n              t.validate(parent, key, replacement);\n              parent[key] = replacement;\n            } else {\n              const items = parent[key].slice();\n              if (placeholder.type === \"statement\" || placeholder.type === \"param\") {\n                if (replacement == null) {\n                  items.splice(index, 1);\n                } else if (Array.isArray(replacement)) {\n                  items.splice(index, 1, ...replacement);\n                } else {\n                  items[index] = replacement;\n                }\n              } else {\n                items[index] = replacement;\n              }\n              t.validate(parent, key, items);\n              parent[key] = items;\n            }\n          }\n        },\n        (function(root, factory) {\n          'use strict';\n          // Universal Module Definition (UMD) to support AMD, CommonJS/Node.js, Rhino, and browsers.\n          /* istanbul ignore next */\n          if (typeof define === 'function' && define.amd) {\n            define('error-stack-parser', ['stackframe'], factory);\n          } else if (typeof exports === 'object') {\n            module.exports = factory(require('stackframe'));\n          } else {\n            root.ErrorStackParser = factory(root.StackFrame);\n          }\n        })(this, function ErrorStackParser(StackFrame) {\n          'use strict';\n\n          var FIREFOX_SAFARI_STACK_REGEXP = /^(^|@)\\S+:\\d+;/\n          var CHROME_IE_STACK_REGEXP = /^(\\s*@\\.*(\\S+:\\d+|\\(native\\))/m;\n          var SAFARI_NATIVE_CODE_REGEXP = /^(eval@)?(\\[native code])?$/;\n\n          return {\n            /**\n             * Given an Error object, extract the most information from it.\n             *\n             * @param {Error} error object\n             * @return {Array} of StackFrames\n             */\n            parse: function ErrorStackParser$parse(error) {\n              if (typeof error.stacktrace !== 'undefined' || typeof error['opera#sourceloc'] !== 'undefined') {\n                return this.parseOpera(error);\n              } else if (error.stack && error.stack.match(CHROME_IE_STACK_REGEXP)) {\n                return this.parseV8OrIE(error);\n              } else if (error.stack) {\n                return this.parseFFOrSafari(error);\n              } else {\n                throw new Error('Cannot parse given Error object');\n              }\n            },\n\n            // Separate line and column numbers from a string of the form: (URI:Line:Column)\n            extractLocation: function ErrorStackParser$extractLocation(urlLike) {\n              // Fail-fast but return locations like \"(native)\"\n              if (urlLike.indexOf(':') === -1) {\n                return [urlLike];\n              }\n              var regExp = /(\\.+)?(?::\\d+)?(?::\\d+)?$/;\n              var parts = regExp.exec(urlLike.replace(/[/()]/g, ''));\n              return [parts[1], parts[2] || undefined, parts[3] || undefined];\n            },\n\n            parseV8OrIE: function ErrorStackParser$parseV8OrIE(error) {\n              var filtered =
```

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error.stack.split("\n").filter(function(line) {
  return !!line.match(CHROME_IE_STACK_REGEXP);
}, this);
return filtered.map(function(line) {
  if (line.indexOf('eval') > -1) {
    // Throw away eval information until we implement stacktrace.js/stackframe#8
    line = line.replace(/eval code/g, 'eval').replace(/(eval at [^()]*)(\(|,.*$)/g, "");
    var sanitizedLine = line.replace(/^(\/s+/, "").replace(/\(eval code/g, '(');
    // capture and preseve the parenthesized location
    // "/foo/my bar.js:12:87)" in
    // case it has spaces in it, as the string is split on \s+ later on
    var location = sanitizedLine.match(/(\(|.+:(\d+):(\d+)\)|$)/);
    // remove the parenthesized location from the line, if it was matched
    sanitizedLine = location ? sanitizedLine.replace(location[0], "") : sanitizedLine;
    var tokens = sanitizedLine.split(/\/s+/.).slice(1);
    // if a location was matched, pass it to extractLocation() otherwise pop the last token
    var locationParts = this.extractLocation(location ? location[1] : tokens.pop());
    var functionName = tokens.join(' ') || undefined;
    var fileName = ['eval', '<anonymous>'].indexOf(locationParts[0]) > -1 ? undefined : locationParts[0];
    return new StackFrame({
      functionName: functionName,
      fileName: fileName,
      lineNumber: locationParts[1],
      columnNumber: locationParts[2],
      source: line
    });
  }
}, this);
}, this);
parseFFOrSafari: function ErrorStackParser$$parseFFOrSafari(error) {
  var filtered = error.stack.split("\n").filter(function(line) {
    return !!line.match(SAFARI_NATIVE_CODE_REGEXP);
  }, this);
  return filtered.map(function(line) {
    // Throw away eval information until we implement stacktrace.js/stackframe#8
    if (line.indexOf(' > eval') > -1) {
      line = line.replace(/ line (\d+)(?: > eval line \d+)* > eval:\d+:\d+/g, '$1');
    }
    if (line.indexOf('@') === -1 && line.indexOf(':') === -1) {
      // Safari eval frames only have function names and nothing else
      return new StackFrame({
        functionName: line
      });
    } else {
      var functionNameRegex = /((.*".+)"[^\@]*)?([^\@]*)(?:@)/;
      var matches = line.match(functionNameRegex);
      var functionName = matches && matches[1] ? matches[1] : undefined;
      var locationParts = this.extractLocation(line.replace(functionNameRegex, ""));
      return new StackFrame({
        functionName: functionName,
        fileName: locationParts[0],
        lineNumber: locationParts[1],
        columnNumber: locationParts[2],
        source: line
      });
    }
  }, this);
}, this);
parseOpera: function ErrorStackParser$$parseOpera(e) {
  if (!e.stacktrace || (e.message.indexOf("\n") > -1 && e.message.split("\n").length > e.stacktrace.split("\n").length)) {
    return this.parseOpera9(e);
  } else if (!e.stack) {
    return this.parseOpera10(e);
  } else {
    return this.parseOpera11(e);
  }
}, this);
parseOpera9: function ErrorStackParser$$parseOpera9(e) {
  var lineRE = /Line (\d+).*script(?:in)?(\S+)/i;
  var lines = e.message.split("\n");
  var result = [];
  for (var i = 2, len = lines.length; i < len; i += 2) {
    var match = lineRE.exec(lines[i]);
    if (match) {
      result.push(new StackFrame({
        fileName: match[2],
        lineNumber: match[1],
        source: lines[i]
      }));
    }
  }
  return result;
}, this);
parseOpera10: function ErrorStackParser$$parseOpera10(e) {
  var lineRE = /Line (\d+).*script(?:in)?(\S+)(?: In function (\S+))?$i;
  var lines = e.stacktrace.split("\n");
  var result = [];
  for (var i = 0, len = lines.length; i < len; i += 2) {
    var match = lineRE.exec(lines[i]);
    if (match) {
      result.push(new StackFrame({
        functionName: match[3] || undefined,
        fileName: match[2],
        lineNumber: match[1],
        source: lines[i]
      }));
    }
  }
  return result;
}, this);
// Opera 10.65+ Error.stack very similar to FF/Safari
parseOpera11: function ErrorStackParser$$parseOpera11(error) {
  var filtered = error.stack.split("\n").filter(function(line) {
    return !!line.match(FIREFOX_SAFARI_STACK_REGEXP) && !line.match(/^Error created at/);
  }, this);
  return filtered.map(function(line) {
    var tokens = line.split('@');
    var locationParts = this.extractLocation(tokens.pop());
    var functionCall = (tokens.shift() || "");
    var functionName = functionCall.replace(/<anonymous function: (\w+)?>/, '$2')

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.replace(/\([^\)]*\)/g, ") || undefined;\n          var argsRaw;\n          if (functionCall.match(/\([^\)]*\)/)) {\n
          argsRaw = functionCall.replace(/^[^()]+\([^\)]*\)/$, '$1');\n          }\n          var args = (argsRaw\n
=== undefined || argsRaw === '[arguments not available]') ?\n          undefined : argsRaw.split(',');\n\n
return new StackFrame({\n          functionName: functionName,\n          args: args,\n
fileName: locationParts[0],\n          lineNumber: locationParts[1],\n          columnNumber:\n
locationParts[2],\n          source: line\n          });\n          }, this);\n          }\n          });\n\n
strict\nmodule.exports = Yallist\n\nYallist.Node = Node\nYallist.create = Yallist\n\nfunction Yallist (list) {\n var\n
self = this\n if (!(self instanceof Yallist)) {\n self = new Yallist()\n }\n\n self.tail = null\n self.head = null\n
self.length = 0\n\n if (list && typeof list.forEach === 'function') {\n list.forEach(function (item) {\n
self.push(item)\n })\n } else if (arguments.length > 0) {\n for (var i = 0, l = arguments.length; i < l; i++) {\n
self.push(arguments[i])\n }\n }\n\n return self\n}\n\nYallist.prototype.removeNode = function (node) {\n if\n
(node.list !== this) {\n throw new Error('removing node which does not belong to this list')\n }\n\n var next =\n
node.next\n var prev = node.prev\n\n if (next) {\n next.prev = prev\n }\n\n if (prev) {\n prev.next = next\n\n
}\n\n if (node === this.head) {\n this.head = next\n }\n\n if (node === this.tail) {\n this.tail = prev\n }\n\n
node.list.length--\n node.next = null\n node.prev = null\n node.list = null\n\n return\n
next\n}\n\nYallist.prototype.unshiftNode = function (node) {\n if (node === this.head) {\n return\n }\n\n if\n
(node.list) {\n node.list.removeNode(node)\n }\n\n var head = this.head\n node.list = this\n node.next = head\n
if (head) {\n head.prev = node\n }\n\n this.head = node\n if (!this.tail) {\n this.tail = node\n }\n\n
this.length++\n}\n\nYallist.prototype.pushNode = function (node) {\n if (node === this.tail) {\n return\n }\n\n
if (node.list) {\n node.list.removeNode(node)\n }\n\n var tail = this.tail\n node.list = this\n node.prev = tail\n
if (tail) {\n tail.next = node\n }\n\n this.tail = node\n if (!this.head) {\n this.head = node\n }\n\n
this.length++\n}\n\nYallist.prototype.push = function () {\n for (var i = 0, l = arguments.length; i < l; i++) {\n
push(this, arguments[i])\n }\n\n return this.length\n}\n\nYallist.prototype.unshift = function () {\n for (var i = 0, l =\n
arguments.length; i < l; i++) {\n unshift(this, arguments[i])\n }\n\n return this.length\n}\n\nYallist.prototype.pop =\n
function () {\n if (!this.tail) {\n return undefined\n }\n\n var res = this.tail.value\n this.tail = this.tail.prev\n
if (this.tail) {\n this.tail.next = null\n }\n\n this.head = null\n }\n\n this.length--\n\n return\n
res\n}\n\nYallist.prototype.shift = function () {\n if (!this.head) {\n return undefined\n }\n\n var res =\n
this.head.value\n this.head = this.head.next\n if (this.head) {\n this.head.prev = null\n }\n\n this.tail =\n
null\n }\n\n this.length--\n\n return res\n}\n\nYallist.prototype.forEach = function (fn, thisp) {\n thisp = thisp || this\n
for (var walker = this.head, i = 0; walker !== null; i++) {\n fn.call(thisp, walker.value, i, this)\n walker =\n
walker.next\n }\n}\n\nYallist.prototype.forEachReverse = function (fn, thisp) {\n thisp = thisp || this\n for (var\n
walker = this.tail, i = this.length - 1; walker !== null; i--) {\n fn.call(thisp, walker.value, i, this)\n walker =\n
walker.prev\n }\n}\n\nYallist.prototype.get = function (n) {\n for (var i = 0, walker = this.head; walker !== null\n
&& i < n; i++) {\n // abort out of the list early if we hit a cycle\n walker = walker.next\n }\n\n if (i === n &&\n
walker !== null) {\n return walker.value\n }\n}\n\nYallist.prototype.getReverse = function (n) {\n for (var i = 0,\n
walker = this.tail; walker !== null && i < n; i++) {\n // abort out of the list early if we hit a cycle\n walker =\n
walker.prev\n }\n\n if (i === n && walker !== null) {\n return walker.value\n }\n}\n\nYallist.prototype.map =\n
function (fn, thisp) {\n thisp = thisp || this\n var res = new Yallist()\n for (var walker = this.head; walker !== null;)\n
{\n res.push(fn.call(thisp, walker.value, this))\n walker = walker.next\n }\n\n return\n
res\n}\n\nYallist.prototype.mapReverse = function (fn, thisp) {\n thisp = thisp || this\n var res = new Yallist()\n
for (var walker = this.tail; walker !== null;)\n {\n res.push(fn.call(thisp, walker.value, this))\n walker = walker.prev\n\n
}\n\n return res\n}\n\nYallist.prototype.reduce = function (fn, initial) {\n var acc\n var walker = this.head\n if\n
(arguments.length > 1) {\n acc = initial\n } else if (this.head) {\n walker = this.head.next\n acc =\n
this.head.value\n } else {\n throw new TypeError('Reduce of empty list with no initial value')\n }\n\n for (var i =\n
0; walker !== null; i++) {\n acc = fn(acc, walker.value, i)\n walker = walker.next\n }\n\n return\n
acc\n}\n\nYallist.prototype.reduceReverse = function (fn, initial) {\n var acc\n var walker = this.tail\n if\n
(arguments.length > 1) {\n acc = initial\n } else if (this.tail) {\n walker = this.tail.prev\n acc = this.tail.value\n\n
}\n\n else {\n throw new TypeError('Reduce of empty list with no initial value')\n }\n\n for (var i = this.length - 1;\n
}

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walker !== null; i--) {\n  acc = fn(acc, walker.value, i)\n  walker = walker.prev\n }\n return
acc\n}\n\nYallist.prototype.toArray = function () {\n  var arr = new Array(this.length)\n  for (var i = 0, walker =
this.head; walker !== null; i++) {\n    arr[i] = walker.value\n    walker = walker.next\n  }\n  return
arr\n}\n\nYallist.prototype.toArrayReverse = function () {\n  var arr = new Array(this.length)\n  for (var i = 0,
walker = this.tail; walker !== null; i++) {\n    arr[i] = walker.value\n    walker = walker.prev\n  }\n  return
arr\n}\n\nYallist.prototype.slice = function (from, to) {\n  to = to || this.length\n  if (to < 0) {\n    to += this.length\n
}\n  from = from || 0\n  if (from < 0) {\n    from += this.length\n  }\n  var ret = new Yallist()\n  if (to < from || to < 0)
{\n    return ret\n  }\n  if (from < 0) {\n    from = 0\n  }\n  if (to > this.length) {\n    to = this.length\n  }\n  for (var i =
0, walker = this.head; walker !== null && i < from; i++) {\n    walker = walker.next\n  }\n  for (; walker !== null
&& i < to; i++, walker = walker.next) {\n    ret.push(walker.value)\n  }\n  return
ret\n}\n\nYallist.prototype.sliceReverse = function (from, to) {\n  to = to || this.length\n  if (to < 0) {\n    to +=
this.length\n  }\n  from = from || 0\n  if (from < 0) {\n    from += this.length\n  }\n  var ret = new Yallist()\n  if (to <
from || to < 0) {\n    return ret\n  }\n  if (from < 0) {\n    from = 0\n  }\n  if (to > this.length) {\n    to = this.length\n
}\n  for (var i = this.length, walker = this.tail; walker !== null && i > to; i--) {\n    walker = walker.prev\n  }\n  for (;
walker !== null && i > from; i--, walker = walker.prev) {\n    ret.push(walker.value)\n  }\n  return
ret\n}\n\nYallist.prototype.splice = function (start, deleteCount /*, ...nodes */) {\n  if (start > this.length) {\n    start =
this.length - 1\n  }\n  if (start < 0) {\n    start = this.length + start\n  }\n  for (var i = 0, walker = this.head; walker
!== null && i < start; i++) {\n    walker = walker.next\n  }\n  var ret = []\n  for (var i = 0; walker && i <
deleteCount; i++) {\n    ret.push(walker.value)\n    walker = this.removeNode(walker)\n  }\n  if (walker === null)
{\n    walker = this.tail\n  }\n  if (walker !== this.head && walker !== this.tail) {\n    walker = walker.prev\n  }\n  for (var i = 2; i <
arguments.length; i++) {\n    walker = insert(this, walker, arguments[i])\n  }\n  return
ret\n}\n\nYallist.prototype.reverse = function () {\n  var head = this.head\n  var tail = this.tail\n  for (var walker =
head; walker !== null; walker = walker.prev) {\n    var p = walker.prev\n    walker.prev = walker.next\n    walker.next = p\n
}\n  this.head = tail\n  this.tail = head\n  return this\n}\n\nfunction insert (self, node, value) {\n  var inserted = node ===
self.head ?\n    new Node(value, null, node, self) :\n    new Node(value, node, node.next,\n    self)\n  if (inserted.next === null) {\n    self.tail = inserted\n  }\n  if (inserted.prev === null) {\n    self.head =
inserted\n  }\n  self.length++\n  return inserted\n}\n\nfunction push (self, item) {\n  self.tail = new Node(item,\n  self.tail, null, self)\n  if (!self.head) {\n    self.head = self.tail\n  }\n  self.length++\n}\n\nfunction unshift (self, item)
{\n  self.head = new Node(item, null, self.head, self)\n  if (!self.tail) {\n    self.tail = self.head\n  }\n  self.length++\n}\n\nfunction Node (value, prev, next, list) {\n  if (!(this instanceof Node)) {\n    return new
Node(value, prev, next, list)\n  }\n  this.list = list\n  this.value = value\n  if (prev) {\n    prev.next = this\n  }\n  this.prev = prev\n } else {\n  this.prev = null\n }\n  if (next) {\n    next.prev = this\n  }\n  this.next = next\n } else
{\n  this.next = null\n }\n}\n\ntry {\n  // add if support for Symbol.iterator is present\n  require('./iterator.js')(Yallist)\n} catch (er) {}

"use strict"\nmodule.exports = function (Yallist) {\n
Yallist.prototype[Symbol.iterator] = function* () {\n  for (let walker = this.head; walker; walker = walker.next) {\n
yield walker.value\n  }\n }\n}\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value:
true\n});\n\nexports.default = void 0;\n\nvar _path = _interopRequireDefault(require("./path")); \n\nvar t =
_interopRequireWildcard(require("@babel/types")); \n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; } \n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; } \n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; } \n\nconst testing = process.env.NODE_ENV === "test"; \n\nclass

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TraversalContext {\n  constructor(scope, opts, state, parentPath) {\n    this.queue = null;\n    this.parentPath =\n    parentPath;\n    this.scope = scope;\n    this.state = state;\n    this.opts = opts;\n  }\n\n  shouldVisit(node) {\n    const\n    opts = this.opts;\n    if (opts.enter || opts.exit) return true;\n    if (opts[node.type]) return true;\n    const keys =\n    t.VISITOR_KEYS[node.type];\n    if (!(keys === null ? void 0 : keys.length)) return false;\n\n    for (const key of\n    keys) {\n      if (node[key]) return true;\n    }\n\n    return false;\n  }\n\n  create(node, obj, key, listKey) {\n    return\n    _path.default.get({\n      parentPath: this.parentPath,\n      parent: node,\n      container: obj,\n      key: key,\n      listKey\n    });\n  }\n\n  maybeQueue(path, notPriority) {\n    if (this.trap) {\n      throw new Error(\"Infinite cycle\n      detected\");\n    }\n\n    if (this.queue) {\n      if (notPriority) {\n        this.queue.push(path);\n      } else {\n        this.priorityQueue.push(path);\n      }\n    }\n\n    visitMultiple(container, parent, listKey) {\n      if\n      (container.length === 0) return false;\n      const queue = [];\n\n      for (let key = 0; key < container.length; key++) {\n        const node = container[key];\n        if (node && this.shouldVisit(node)) {\n          queue.push(this.create(parent,\n          container, key, listKey));\n        }\n      }\n\n      return this.visitQueue(queue);\n    }\n\n    visitSingle(node, key) {\n      if\n      (this.shouldVisit(node[key])) {\n        return this.visitQueue([this.create(node, node, key)]);\n      } else {\n        return\n        false;\n      }\n    }\n\n    visitQueue(queue) {\n      this.queue = queue;\n      this.priorityQueue = [];\n      const visited = [];\n      let stop = false;\n\n      for (const path of queue) {\n        path.resync();\n\n        if (path.contexts.length === 0 ||\n        path.contexts[path.contexts.length - 1] !== this) {\n          path.pushContext(this);\n        }\n\n        if (path.key === null)\n        continue;\n\n        if (testing && queue.length >= 10000) {\n          this.trap = true;\n        }\n\n        if\n        (visited.indexOf(path.node) >= 0) continue;\n        visited.push(path.node);\n\n        if (path.visit()) {\n          stop =\n          true;\n          break;\n        }\n\n        if (this.priorityQueue.length) {\n          stop = this.visitQueue(this.priorityQueue);\n          this.priorityQueue = [];\n          this.queue = queue;\n          if (stop) break;\n        }\n      }\n\n      for (const path of\n      queue) {\n        path.popContext();\n      }\n\n      this.queue = null;\n      return stop;\n    }\n\n    visit(node, key) {\n      const\n      nodes = node[key];\n      if (!nodes) return false;\n      if (Array.isArray(nodes)) {\n        return\n        this.visitMultiple(nodes, node, key);\n      } else {\n        return this.visitSingle(node, key);\n      }\n    }\n  }\n}\n\nexports.default = TraversalContext;","use strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\nexports.default = void 0;\n\nvar _buildMatchMemberExpression =\n_interopRequireDefault(require(\"../buildMatchMemberExpression\"));\n\nfunction _interopRequireDefault(obj) {\n  return obj && obj.__esModule ? obj : { default: obj }; }\n\nconst isReactComponent = (0,\n_buildMatchMemberExpression.default)(\"React.Component\");\n\nvar _default =\nisReactComponent;\n\nexports.default = _default;","use strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.default = isCompatTag;\n\nfunction isCompatTag(tagName) {\n  return !!tagName\n  && /^[a-z]/.test(tagName);\n}\n\nexports.default = isCompatTag;","use strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.default = buildChildren;\n\nvar _generated = require(\"../validators/generated\");\n\nvar _cleanJSXElementLiteralChild =\n_interopRequireDefault(require(\"../utils/react/cleanJSXElementLiteralChild\"));\n\nfunction\n_interopRequireDefault(obj) {\n  return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction\nbuildChildren(node) {\n  const elements = [];\n\n  for (let i = 0; i < node.children.length; i++) {\n    let child =\n    node.children[i];\n\n    if ((0, _generated.isJSXText)(child)) {\n      (0, _cleanJSXElementLiteralChild.default)(child,\n      elements);\n      continue;\n    }\n\n    if ((0, _generated.isJSXExpressionContainer)(child)) child =\n    child.expression;\n\n    if ((0, _generated.isJSXEmptyExpression)(child)) continue;\n    elements.push(child);\n  }\n\n  return elements;\n}\n\nexports.default = cleanJSXElementLiteralChild;\n\nvar _generated =\nrequire(\"../builders/generated\");\n\nfunction cleanJSXElementLiteralChild(child, args) {\n  const lines =\n  child.value.split(\\r\\n|\\n|\\r);\n  let lastNonEmptyLine = 0;\n\n  for (let i = 0; i < lines.length; i++) {\n    if\n    (lines[i].match(/[\\s\\t])) {\n      lastNonEmptyLine = i;\n    }\n  }\n\n  let str = \"\";\n\n  for (let i = 0; i < lines.length;\n  i++) {\n    const line = lines[i];\n    const isFirstLine = i === 0;\n    const isLastLine = i === lines.length - 1;\n    const isLastNonEmptyLine = i === lastNonEmptyLine;\n\n    let trimmedLine = line.replace(\\s/g, \"\");\n\n    if\n    (!isFirstLine) {\n      trimmedLine = trimmedLine.replace(/^[ \\t]+/, \"\");\n    }\n\n    if (!isLastLine) {\n      trimmedLine = trimmedLine.replace(/[ ]+$/, \"\");\n    }\n\n    if (trimmedLine) {\n      if (!isLastNonEmptyLine) {\n
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    trimmedLine += "\n";\n    }\n    str += trimmedLine;\n    }\n    }\n    if (str) args.push((0,\n    _generated.stringLiteral(str));\n    }", "\"use strict\";\n    Object.defineProperty(exports, \"__esModule\", {\n    value:\n    true});\n    exports.default = builder;\n    nvar _clone = _interopRequireDefault(require(\"lodash/clone\"));\n    nvar\n    _definitions = require(\"../definitions\");\n    nvar _validate =\n    _interopRequireDefault(require(\"../validators/validate\"));\n    nfunction _interopRequireDefault(obj) { return obj &&\n    obj.__esModule ? obj : { default: obj }; }\n    nfunction builder(type, ...args) {\n    const keys =\n    _definitions.BUILDER_KEYS[type];\n    const countArgs = args.length;\n    if (countArgs > keys.length) {\n    throw new Error(`${type}: Too many arguments passed. Received ${countArgs} but can receive no more than\n    ${keys.length}`);\n    }\n    const node = {\n    type\n    };\n    let i = 0;\n    keys.forEach(key => {\n    const field =\n    _definitions.NODE_FIELDS[type][key];\n    let arg;\n    if (i < countArgs) arg = args[i];\n    if (arg === undefined)\n    arg = (0, _clone.default)(field.default);\n    node[key] = arg;\n    i++;\n    });\n    for (const key of Object.keys(node))\n    {\n    (0, _validate.default)(node, key, node[key]);\n    }\n    return node;\n    }", "var baseClone =\n    require('./_baseClone');\n    /** Used to compose bitmasks for cloning. *\n    nvar CLONE_SYMBOLS_FLAG =\n    4;\n    /**\n    * Creates a shallow clone of `value`.\n    * **Note:** This method is loosely based on the *\n    [structured clone algorithm](https://mdn.io/Structured_clone_algorithm)\n    * and supports cloning arrays, array\n    buffers, booleans, date objects, maps,\n    * numbers, `Object` objects, regexes, sets, strings, symbols, and typed\n    * arrays. The own enumerable properties of `arguments` objects are cloned\n    * as plain objects. An empty object is\n    returned for uncloneable values such\n    * as error objects, functions, DOM nodes, and WeakMaps.\n    * *\n    * @static\n    * @memberOf _\n    * @since 0.1.0\n    * @category Lang\n    * @param {*} value The value to clone.\n    * @returns {*} Returns the cloned value.\n    * @see _cloneDeep\n    * @example\n    * var objects = [{ 'a': 1 }, { 'b': 2 }];\n    * var shallow = _clone(objects);\n    * console.log(shallow[0] === objects[0]);\n    * // => true\n    */\n    nfunction\n    clone(value) {\n    return baseClone(value, CLONE_SYMBOLS_FLAG);\n    }\n    module.exports = clone;\n    ", "var\n    Stack = require('./_Stack'),\n    arrayEach = require('./_arrayEach'),\n    assignValue = require('./_assignValue'),\n    baseAssign = require('./_baseAssign'),\n    baseAssignIn = require('./_baseAssignIn'),\n    cloneBuffer =\n    require('./_cloneBuffer'),\n    copyArray = require('./_copyArray'),\n    copySymbols = require('./_copySymbols'),\n    copySymbolsIn = require('./_copySymbolsIn'),\n    getAllKeys = require('./_getAllKeys'),\n    getAllKeysIn =\n    require('./_getAllKeysIn'),\n    getTag = require('./_getTag'),\n    initCloneArray = require('./_initCloneArray'),\n    initCloneByTag = require('./_initCloneByTag'),\n    initCloneObject = require('./_initCloneObject'),\n    isArray =\n    require('./isArray'),\n    isBuffer = require('./isBuffer'),\n    isMap = require('./isMap'),\n    isObject =\n    require('./isObject'),\n    isSet = require('./isSet'),\n    keys = require('./keys'),\n    keysIn = require('./keysIn');\n    /**\n    Used to compose bitmasks for cloning. *\n    nvar CLONE_DEEP_FLAG = 1,\n    CLONE_FLAT_FLAG = 2,\n    CLONE_SYMBOLS_FLAG = 4;\n    /**\n    * `Object#toString` result references. *\n    nvar argsTag = '[object\n    Arguments]',\n    arrayTag = '[object\n    Array]',\n    boolTag = '[object\n    Boolean]',\n    dateTag = '[object\n    Date]',\n    errorTag = '[object\n    Error]',\n    funcTag = '[object\n    Function]',\n    genTag = '[object\n    GeneratorFunction]',\n    mapTag = '[object\n    Map]',\n    numberTag = '[object\n    Number]',\n    objectTag = '[object\n    Object]',\n    regexpTag = '[object\n    RegExp]',\n    setTag = '[object\n    Set]',\n    stringTag = '[object\n    String]',\n    symbolTag = '[object\n    Symbol]',\n    weakMapTag = '[object\n    WeakMap]';\n    nvar arrayBufferTag = '[object\n    ArrayBuffer]',\n    dataViewTag = '[object\n    DataView]',\n    float32Tag = '[object\n    Float32Array]',\n    float64Tag = '[object\n    Float64Array]',\n    int8Tag =\n    '[object\n    Int8Array]',\n    int16Tag = '[object\n    Int16Array]',\n    int32Tag = '[object\n    Int32Array]',\n    uint8Tag =\n    '[object\n    Uint8Array]',\n    uint8ClampedTag = '[object\n    Uint8ClampedArray]',\n    uint16Tag = '[object\n    Uint16Array]',\n    uint32Tag = '[object\n    Uint32Array]';\n    /**\n    Used to identify `toStringTag` values supported by\n    `_.clone`.\n    */\n    nvar cloneableTags = {};\n    ncloneableTags[argsTag] = cloneableTags[arrayTag]\n    =\n    ncloneableTags[arrayBufferTag] = cloneableTags[dataViewTag] =\n    ncloneableTags[boolTag] =\n    cloneableTags[dateTag] =\n    ncloneableTags[float32Tag] = cloneableTags[float64Tag] =\n    ncloneableTags[int8Tag] =\n    cloneableTags[int16Tag] =\n    ncloneableTags[int32Tag] = cloneableTags[mapTag] =\n    ncloneableTags[numberTag] =\n    cloneableTags[objectTag] =\n    ncloneableTags[regexpTag] = cloneableTags[setTag] =\n    ncloneableTags[stringTag] =\n    cloneableTags[symbolTag] =\n    ncloneableTags[uint8Tag] = cloneableTags[uint8ClampedTag]\n    =\n    ncloneableTags[uint16Tag] = cloneableTags[uint32Tag] = true;\n    ncloneableTags[errorTag] =

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cloneableTags[funcTag] = \ncloneableTags[weakMapTag] = false;\n\n/**\n * The base implementation of `_.clone`
and `_.cloneDeep` which tracks
 * traversed objects.\n *\n * @private\n * @param {*} value The value to clone.\n
 * @param {boolean} bitmask The bitmask flags.\n * 1 - Deep clone\n * 2 - Flatten inherited properties\n * 4 -
Clone symbols\n *\n * @param {Function} [customizer] The function to customize cloning.\n *\n * @param {string} [key]
The key of `value`.\n *\n * @param {Object} [object] The parent object of `value`.\n *\n * @param {Object} [stack] Tracks
traversed objects and their clone counterparts.\n *\n * @returns {*} Returns the cloned value.\n */\nfunction
baseClone(value, bitmask, customizer, key, object, stack) {\n  var result,\n      isDeep = bitmask &
CLONE_DEEP_FLAG,\n      isFlat = bitmask & CLONE_FLAT_FLAG,\n      isFull = bitmask &
CLONE_SYMBOLS_FLAG;\n\n  if (customizer) {\n    result = object ? customizer(value, key, object, stack) :
customizer(value);\n  }\n  if (result !== undefined) {\n    return result;\n  }\n  if (!isObject(value)) {\n    return
value;\n  }\n  var isArr = isArray(value);\n  if (isArr) {\n    result = initCloneArray(value);\n    if (!isDeep) {\n
return copyArray(value, result);\n    }\n  } else {\n    var tag = getTag(value),\n        isFunc = tag == funcTag || tag
== genTag;\n\n    if (isBuffer(value)) {\n      return cloneBuffer(value, isDeep);\n    }\n    if (tag == objectTag || tag
== argsTag || (isFunc && !object)) {\n      result = (isFlat || isFunc) ? {} : initCloneObject(value);\n      if (!isDeep) {\n
return isFlat\n        ? copySymbolsIn(value, baseAssignIn(result, value))\n        : copySymbols(value,
baseAssign(result, value));\n      }\n    } else {\n      if (!cloneableTags[tag]) {\n        return object ? value : {};\n
      }\n      result = initCloneByTag(value, tag, isDeep);\n    }\n  }\n  // Check for circular references and return its
corresponding clone.\n  stack || (stack = new Stack);\n  var stacked = stack.get(value);\n  if (stacked) {\n    return
stacked;\n  }\n  stack.set(value, result);\n\n  if (isSet(value)) {\n    value.forEach(function(subValue) {\n
result.add(baseClone(subValue, bitmask, customizer, subValue, value, stack));\n    });\n  } else if (isMap(value)) {\n
value.forEach(function(subValue, key) {\n    result.set(key, baseClone(subValue, bitmask, customizer, key, value,
stack));\n  });\n}\n\n  var keysFunc = isFull\n    ? (isFlat ? getAllKeysIn : getAllKeys)\n    : (isFlat ? keysIn :
keys);\n  var props = isArr ? undefined : keysFunc(value);\n  arrayEach(props || value, function(subValue, key) {\n
if (props) {\n    key = subValue;\n    subValue = value[key];\n  }\n  // Recursively populate clone (susceptible
to call stack limits).\n  assignValue(result, key, baseClone(subValue, bitmask, customizer, key, value, stack));\n
});\n  return result;\n}\n\nmodule.exports = baseClone;\n","var ListCache = require('./_ListCache'),\n  stackClear =
require('./_stackClear'),\n  stackDelete = require('./_stackDelete'),\n  stackGet = require('./_stackGet'),\n
stackHas = require('./_stackHas'),\n  stackSet = require('./_stackSet');\n\n/**\n * Creates a stack cache object to
store key-value pairs.\n *\n * @private\n * @constructor\n * @param {Array} [entries] The key-value pairs to
cache.\n */\nfunction Stack(entries) {\n  var data = this.__data__ = new ListCache(entries);\n  this.size =
data.size;\n}\n\n// Add methods to `Stack`.\nStack.prototype.clear = stackClear;\nStack.prototype['delete'] =
stackDelete;\nStack.prototype.get = stackGet;\nStack.prototype.has = stackHas;\nStack.prototype.set =
stackSet;\n\nmodule.exports = Stack;\n","/**\n * Removes all key-value entries from the list cache.\n *\n * @private\n * @name clear\n * @memberOf ListCache\n */\nfunction listCacheClear() {\n  this.__data__ = [];\n  this.size = 0;\n}\n\nmodule.exports = listCacheClear;\n","var assocIndexOf = require('./_assocIndexOf');\n\n/**
Used for built-in method references. */\nvar arrayProto = Array.prototype;\n\n/**\n * Built-in value references. */\nvar
splice = arrayProto.splice;\n\n/**\n * Removes `key` and its value from the list cache.\n *\n * @private\n * @name
delete\n * @memberOf ListCache\n * @param {string} key The key of the value to remove.\n * @returns
{boolean} Returns `true` if the entry was removed, else `false`.\n */\nfunction listCacheDelete(key) {\n  var data =
this.__data__,\n      index = assocIndexOf(data, key);\n\n  if (index < 0) {\n    return false;\n  }\n  var lastIndex =
data.length - 1;\n  if (index == lastIndex) {\n    data.pop();\n  } else {\n    splice.call(data, index, 1);\n  }\n  --
this.size;\n  return true;\n}\n\nmodule.exports = listCacheDelete;\n","var assocIndexOf =
require('./_assocIndexOf');\n\n/**\n * Gets the list cache value for `key`.\n *\n * @private\n * @name get\n *
@memberOf ListCache\n * @param {string} key The key of the value to get.\n * @returns {*} Returns the entry
value.\n */\nfunction listCacheGet(key) {\n  var data = this.__data__,\n      index = assocIndexOf(data, key);\n\n  return index < 0 ? undefined : data[index][1];\n}\n\nmodule.exports = listCacheGet;\n","var assocIndexOf =
require('./_assocIndexOf');\n\n/**\n * Checks if a list cache value for `key` exists.\n *\n * @private\n * @name
has\n * @memberOf ListCache\n * @param {string} key The key of the entry to check.\n * @returns {boolean}

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Returns `true` if an entry for `key` exists, else `false`.
\n *
\nfunction listCacheHas(key) {
  return
  assocIndexOf(this.__data__, key) > -1;
}
\n\nmodule.exports = listCacheHas;
\n", "var assocIndexOf =
  require('./_assocIndexOf');
\n\n/**
  * Sets the list cache `key` to `value`.
  *
  * @private
  * @name set
  * @memberOf ListCache
  * @param {string} key The key of the value to set.
  * @param {*} value The value to set.
  * @returns {Object} Returns the list cache instance.
  */
\nfunction listCacheSet(key, value) {
  var data =
  this.__data__,
      index = assocIndexOf(data, key);
  if (index < 0) {
    ++this.size;
    data.push([key,
    value]);
  } else {
    data[index][1] = value;
  }
  return this;
}
\n\nmodule.exports = listCacheSet;
\n", "var
  ListCache = require('./_ListCache');
\n\n/**
  * Removes all key-value entries from the stack.
  *
  * @private
  * @name clear
  * @memberOf Stack
  */
\nfunction stackClear() {
  this.__data__ = new ListCache;
  this.size =
  0;
}
\n\nmodule.exports = stackClear;
\n", "
\n/**
  * Removes `key` and its value from the stack.
  *
  * @private
  * @name delete
  * @memberOf Stack
  * @param {string} key The key of the value to remove.
  * @returns
  {boolean} Returns `true` if the entry was removed, else `false`.
  */
\nfunction stackDelete(key) {
  var data =
  this.__data__,
      result = data['delete'](key);
  this.size = data.size;
  return result;
}
\n\nmodule.exports =
  stackDelete;
\n", "
\n/**
  * Gets the stack value for `key`.
  *
  * @private
  * @name get
  * @memberOf Stack
  * @param {string} key The key of the value to get.
  * @returns {*} Returns the entry value.
  */
\nfunction
  stackGet(key) {
  return this.__data__.get(key);
}
\n\nmodule.exports = stackGet;
\n", "
\n/**
  * Checks if a stack
  value for `key` exists.
  *
  * @private
  * @name has
  * @memberOf Stack
  * @param {string} key The key of the
  entry to check.
  * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
  */
\nfunction
  stackHas(key) {
  return this.__data__.has(key);
}
\n\nmodule.exports = stackHas;
\n", "var ListCache =
  require('./_ListCache'),
  Map = require('./_Map'),
  MapCache = require('./_MapCache');
\n\n/** Used as the
  size to enable large array optimizations.
  */
\nvar LARGE_ARRAY_SIZE = 200;
\n\n/**
  * Sets the stack `key` to
  `value`.
  *
  * @private
  * @name set
  * @memberOf Stack
  * @param {string} key The key of the value to
  set.
  * @param {*} value The value to set.
  * @returns {Object} Returns the stack cache instance.
  */
\nfunction
  stackSet(key, value) {
  var data = this.__data__;
  if (data instanceof ListCache) {
    var pairs =
    data.__data__;
    if (!Map || (pairs.length < LARGE_ARRAY_SIZE - 1)) {
      pairs.push([key, value]);
      this.size = ++data.size;
      return this;
    }
    data = this.__data__ = new MapCache(pairs);
  }
  data.set(key,
  value);
  this.size = data.size;
  return this;
}
\n\nmodule.exports = stackSet;
\n", "var isFunction =
  require('./isFunction'),
  isMasked = require('./_isMasked'),
  isObject = require('./isObject'),
  toSource =
  require('./_toSource');
\n\n/** Used to match `RegExp`
  [syntax characters](http://ecma-
  international.org/ecma-262/7.0/#sec-patterns).
  */
\nvar reRegExpChar = /[\\^$.+*(){}|]/g;
\n\n/** Used to
  detect host constructors (Safari).
  */
\nvar reIsHostCtor = /^([object] +?Constructor)$/;
\n\n/** Used for built-in
  method references.
  */
\nvar funcProto = Function.prototype,
  objectProto = Object.prototype;
\n\n/** Used to
  resolve the decompiled source of functions.
  */
\nvar funcToString = funcProto.toString;
\n\n/** Used to check objects
  for own properties.
  */
\nvar hasOwnProperty = objectProto.hasOwnProperty;
\n\n/** Used to detect if a method is
  native.
  */
\nvar reIsNative = RegExp('^' +
  funcToString.call(hasOwnProperty).replace(reRegExpChar, '\\\\&')
  .replace(/hasOwnProperty|(function).*?(?=\\\|/)|/g, '$1.*?') + '$');
\n\n/**
  * The base
  implementation of `_.isNative` without bad shim checks.
  *
  * @private
  * @param {*} value The value to
  check.
  * @returns {boolean} Returns `true` if `value` is a native function,
  * else `false`.
  */
\nfunction
  baseIsNative(value) {
  if (!isObject(value) || isMasked(value)) {
    return false;
  }
  var pattern =
  isFunction(value) ? reIsNative : reIsHostCtor;
  return pattern.test(toSource(value));
}
\n\nmodule.exports =
  baseIsNative;
\n", "var Symbol = require('./_Symbol');
\n\n/** Used for built-in method
  references.
  */
\nvar objectProto = Object.prototype;
\n\n/** Used to check objects for own
  properties.
  */
\nvar hasOwnProperty = objectProto.hasOwnProperty;
\n\n/** Used to resolve the
  the `[[toStringTag]]` (http://ecma-international.org/ecma-
  262/7.0/#sec-object.prototype.tostring)
  of values.
  */
\nvar nativeObjectToString = objectProto.toString;
\n\n/**
  * Built-in value
  references.
  */
\nvar symToStringTag = Symbol ? Symbol.toStringTag :
  undefined;
\n\n/**
  * A
  specialized version of `baseGetTag` which ignores `Symbol.toStringTag`
  values.
  *
  * @private
  * @param {*}
  value The value to query.
  * @returns {string} Returns the raw `toStringTag`.
  */
\nfunction
  getRawTag(value) {
  var isOwn = hasOwnProperty.call(value, symToStringTag),
      tag = value[symToStringTag];
  try {
    \n

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value[symToStringTag] = undefined;\n  var unmasked = true;\n } catch (e) { }\n\n var result =
nativeObjectToString.call(value);\n if (unmasked) {\n   if (isOwn) {\n     value[symToStringTag] = tag;\n   } else
{\n     delete value[symToStringTag];\n   }\n }\n return result;\n}\n\nmodule.exports = getRawTag;\n"/** Used
for built-in method references. */\nvar objectProto = Object.prototype;\n\n/**\n * Used to resolve the\n *
[ `toStringTag` ](http://ecma-international.org/ecma-262/7.0/#sec-object.prototype.tostring)\n * of values.\n */\nvar
nativeObjectToString = objectProto.toString;\n\n/**\n * Converts `value` to a string using
`Object.prototype.toString`.\n */\n * @private\n * @param {*} value The value to convert.\n * @returns {string}
Returns the converted string.\n */\nfunction objectToString(value) {\n  return
nativeObjectToString.call(value);\n}\n\nmodule.exports = objectToString;\n",\n"var coreJsData =
require('./_coreJsData');\n\n/** Used to detect methods masquerading as native. */\nvar maskSrcKey = (function()
{\n  var uid = /^[^.] +$/ .exec(coreJsData && coreJsData.keys && coreJsData.keys.IE_PROTO || "");\n  return uid ?
(Symbol(src)_1.' + uid) : '';\n})();\n\n/**\n * Checks if `func` has its source masked.\n */\n * @private\n * @param
{Function} func The function to check.\n * @returns {boolean} Returns `true` if `func` is masked, else `false`.\n
*/\nfunction isMasked(func) {\n  return !!maskSrcKey && (maskSrcKey in func);\n}\n\nmodule.exports =
isMasked;\n",\n"var root = require('./_root');\n\n/** Used to detect overreaching core-js shims. */\nvar coreJsData =
root['__core-js_shared__'];\n\nmodule.exports = coreJsData;\n"/**\n * Gets the value at `key` of `object`.\n */\n *
@private\n * @param {Object} [object] The object to query.\n * @param {string} key The key of the property to
get.\n * @returns {*} Returns the property value.\n */\nfunction getValue(object, key) {\n  return object == null ?
undefined : object[key];\n}\n\nmodule.exports = getValue;\n",\n"var mapCacheClear = require('./_mapCacheClear'),\n
mapCacheDelete = require('./_mapCacheDelete'),\n  mapCacheGet = require('./_mapCacheGet'),\n
mapCacheHas = require('./_mapCacheHas'),\n  mapCacheSet = require('./_mapCacheSet');\n\n/**\n * Creates a
map cache object to store key-value pairs.\n */\n * @private\n * @constructor\n * @param {Array} [entries] The
key-value pairs to cache.\n */\nfunction MapCache(entries) {\n  var index = -1,\n      length = entries == null ? 0 :
entries.length;\n\n  this.clear();\n  while (++index < length) {\n    var entry = entries[index];\n    this.set(entry[0],
entry[1]);\n  }\n}\n\n// Add methods to `MapCache`.\nMapCache.prototype.clear =
mapCacheClear;\nMapCache.prototype['delete'] = mapCacheDelete;\nMapCache.prototype.get =
mapCacheGet;\nMapCache.prototype.has = mapCacheHas;\nMapCache.prototype.set =
mapCacheSet;\n\nmodule.exports = MapCache;\n",\n"var Hash = require('./_Hash'),\n  ListCache =
require('./_ListCache'),\n  Map = require('./_Map');\n\n/**\n * Removes all key-value entries from the map.\n */\n *
@private\n * @name clear\n * @memberOf MapCache\n */\nfunction mapCacheClear() {\n  this.size = 0;\n  this.__data__ =
{\n    'hash': new Hash,\n    'map': new (Map || ListCache),\n    'string': new Hash\n  };\n}\n\nmodule.exports = mapCacheClear;\n",\n"var hashClear = require('./_hashClear'),\n  hashDelete =
require('./_hashDelete'),\n  hashGet = require('./_hashGet'),\n  hashHas = require('./_hashHas'),\n  hashSet =
require('./_hashSet');\n\n/**\n * Creates a hash object.\n */\n * @private\n * @constructor\n * @param {Array}
[entries] The key-value pairs to cache.\n */\nfunction Hash(entries) {\n  var index = -1,\n      length = entries == null
? 0 : entries.length;\n\n  this.clear();\n  while (++index < length) {\n    var entry = entries[index];\n    this.set(entry[0],
entry[1]);\n  }\n}\n\n// Add methods to `Hash`.\nHash.prototype.clear =
hashClear;\nHash.prototype['delete'] = hashDelete;\nHash.prototype.get = hashGet;\nHash.prototype.has =
hashHas;\nHash.prototype.set = hashSet;\n\nmodule.exports = Hash;\n",\n"var nativeCreate =
require('./_nativeCreate');\n\n/**\n * Removes all key-value entries from the hash.\n */\n * @private\n * @name
clear\n * @memberOf Hash\n */\nfunction hashClear() {\n  this.__data__ = nativeCreate ? nativeCreate(null) : {};\n  this.size =
0;\n}\n\nmodule.exports = hashClear;\n",\n"/**\n * Removes `key` and its value from the hash.\n */\n *
@private\n * @name delete\n * @memberOf Hash\n * @param {Object} hash The hash to modify.\n * @param
{string} key The key of the value to remove.\n * @returns {boolean} Returns `true` if the entry was removed, else
`false`.\n */\nfunction hashDelete(key) {\n  var result = this.has(key) && delete this.__data__[key];\n  this.size -=
result ? 1 : 0;\n  return result;\n}\n\nmodule.exports = hashDelete;\n",\n"var nativeCreate =
require('./_nativeCreate');\n\n/** Used to stand-in for `undefined` hash values. */\nvar HASH_UNDEFINED =
'__lodash_hash_undefined__';\n\n/** Used for built-in method references. */\nvar objectProto =

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Object.prototype;\n\n/** Used to check objects for own properties. */\nvar hasOwnProperty =
objectProto.hasOwnProperty;\n\n/**\n * Gets the hash value for `key`.\n * @private\n * @name get\n * @memberOf Hash\n * @param {string} key The key of the value to get.\n * @returns {*} Returns the entry
value.\n */\nfunction hashGet(key) {\n  var data = this.__data__;\n  if (nativeCreate) {\n    var result = data[key];\n    return result === HASH_UNDEFINED ? undefined : result;\n  }\n  return hasOwnProperty.call(data, key) ?
data[key] : undefined;\n}\n\nmodule.exports = hashGet;\n","var nativeCreate = require('./_nativeCreate');\n\n/**
Used for built-in method references. */\nvar objectProto = Object.prototype;\n\n/** Used to check objects for own
properties. */\nvar hasOwnProperty = objectProto.hasOwnProperty;\n\n/**\n * Checks if a hash value for `key`
exists.\n * @private\n * @name has\n * @memberOf Hash\n * @param {string} key The key of the entry to
check.\n * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.\n */\nfunction hashHas(key)
{\n  var data = this.__data__;\n  return nativeCreate ? (data[key] !== undefined) : hasOwnProperty.call(data,
key);\n}\n\nmodule.exports = hashHas;\n","var nativeCreate = require('./_nativeCreate');\n\n/** Used to stand-in for
`undefined` hash values. */\nvar HASH_UNDEFINED = '__lodash_hash_undefined__';\n\n/**\n * Sets the hash
`key` to `value`.\n * @private\n * @name set\n * @memberOf Hash\n * @param {string} key The key of the
value to set.\n * @param {*} value The value to set.\n * @returns {Object} Returns the hash instance.\n */\nfunction hashSet(key, value) {\n  var data = this.__data__;\n  this.size += this.has(key) ? 0 : 1;\n  data[key] =
(nativeCreate && value === undefined) ? HASH_UNDEFINED : value;\n  return this;\n}\n\nmodule.exports =
hashSet;\n","var getMapData = require('./_getMapData');\n\n/**\n * Removes `key` and its value from the map.\n *
@private\n * @name delete\n * @memberOf MapCache\n * @param {string} key The key of the value to
remove.\n * @returns {boolean} Returns `true` if the entry was removed, else `false`.\n */\nfunction
mapCacheDelete(key) {\n  var result = getMapData(this, key)['delete'](key);\n  this.size -= result ? 1 : 0;\n  return
result;\n}\n\nmodule.exports = mapCacheDelete;\n","/**\n * Checks if `value` is suitable for use as unique object
key.\n * @private\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is
suitable, else `false`.\n */\nfunction isKeyable(value) {\n  var type = typeof value;\n  return (type === 'string' || type
=== 'number' || type === 'symbol' || type === 'boolean')\n    ? (value !== '__proto__')\n    : (value ===
null);\n}\n\nmodule.exports = isKeyable;\n","var getMapData = require('./_getMapData');\n\n/**\n * Gets the map
value for `key`.\n * @private\n * @name get\n * @memberOf MapCache\n * @param {string} key The key of
the value to get.\n * @returns {*} Returns the entry value.\n */\nfunction mapCacheGet(key) {\n  return
getMapData(this, key).get(key);\n}\n\nmodule.exports = mapCacheGet;\n","var getMapData =
require('./_getMapData');\n\n/**\n * Checks if a map value for `key` exists.\n * @private\n * @name has\n *
@memberOf MapCache\n * @param {string} key The key of the entry to check.\n * @returns {boolean} Returns
`true` if an entry for `key` exists, else `false`.\n */\nfunction mapCacheHas(key) {\n  return getMapData(this,
key).has(key);\n}\n\nmodule.exports = mapCacheHas;\n","var getMapData = require('./_getMapData');\n\n/**
Sets the map `key` to `value`.\n * @private\n * @name set\n * @memberOf MapCache\n * @param {string}
key The key of the value to set.\n * @param {*} value The value to set.\n * @returns {Object} Returns the map
cache instance.\n */\nfunction mapCacheSet(key, value) {\n  var data = getMapData(this, key),\n      size =
data.size;\n  data.set(key, value);\n  this.size += data.size === size ? 0 : 1;\n  return this;\n}\n\nmodule.exports =
mapCacheSet;\n","/**\n * A specialized version of `_.forEach` for arrays without support for\n * iteratee
shorthands.\n * @private\n * @param {Array} [array] The array to iterate over.\n * @param {Function} iteratee
The function invoked per iteration.\n * @returns {Array} Returns `array`.\n */\nfunction arrayEach(array, iteratee)
{\n  var index = -1,\n      length = array == null ? 0 : array.length;\n  while (++index < length) {\n    if
(iteratee(array[index], index, array) === false) {\n      break;\n    }\n  }\n  return array;\n}\n\nmodule.exports =
arrayEach;\n","var getNative = require('./_getNative');\n\nvar defineProperty = (function() {\n  try {\n    var func =
getNative(Object, 'defineProperty');\n    func({}, {}, {});\n    return func;\n  } catch (e) {}\n})();\n\nmodule.exports =
defineProperty;\n","var copyObject = require('./_copyObject'),\n    keys = require('./keys');\n\n/**\n * The base
implementation of `_.assign` without support for multiple sources\n * or `customizer` functions.\n * @private\n *
@param {Object} object The destination object.\n * @param {Object} source The source object.\n * @returns
{Object} Returns `object`.\n */\nfunction baseAssign(object, source) {\n  return object && copyObject(source,

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keys(source), object);}\n\nmodule.exports = baseAssign;\n", "/*\n * The base implementation of `_.times`
without support for iteratee shorthands\n * or max array length checks.\n *\n * @private\n * @param {number} n
The number of times to invoke `iteratee`.\n * @param {Function} iteratee The function invoked per iteration.\n *
@returns {Array} Returns the array of results.\n */\nfunction baseTimes(n, iteratee) {\n  var index = -1,\n      result
= Array(n);\n  while (++index < n) {\n    result[index] = iteratee(index);\n  }\n  return result;\n}\n\nmodule.exports
= baseTimes;\n", "var baseIsArguments = require('./_baseIsArguments'),\n    isObjectLike =
require('./isObjectLike');\n\n/** Used for built-in method references. */\nvar objectProto = Object.prototype;\n\n/** Built-in
value references. */\nvar propertyIsEnumerable = objectProto.propertyIsEnumerable;\n\n/** Checks if `value` is
likely an `arguments` object. */\n *\n * @static\n * @memberOf _\n * @since 0.1.0\n * @category Lang\n * @param
{*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is an `arguments` object,\n * else
`false`.\n * @example\n *\n * _isArguments(function() { return arguments; }());\n * // => true\n *\n *
_isArguments([1, 2, 3]);\n * // => false\n *\nvar isArguments = baseIsArguments(function() { return arguments;
}()) ? baseIsArguments : function(value) {\n  return isObjectLike(value) && hasOwnProperty.call(value, 'callee')
&&\n    !propertyIsEnumerable.call(value, 'callee');\n};\n\nmodule.exports = isArguments;\n", "var baseGetTag =
require('./_baseGetTag'),\n    isObjectLike = require('./isObjectLike');\n\n/** `Object#toString` result references.
*/\nvar argsTag = '[object Arguments]';\n\n/** The base implementation of `_.isArguments`.\n *\n * @private\n * @param
{*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is an `arguments`
object,\n *\nfunction baseIsArguments(value) {\n  return isObjectLike(value) && baseGetTag(value) ==
argsTag;\n}\n\nmodule.exports = baseIsArguments;\n", "/*\n * This method returns `false`.\n *\n * @static\n *
@memberOf _\n * @since 4.13.0\n * @category Util\n * @returns {boolean} Returns `false`.\n * @example\n *\n *
_.times(2, _.stubFalse);\n * // => [false, false]\n *\nfunction stubFalse() {\n  return false;\n}\n\nmodule.exports =
stubFalse;\n", "/*\n * Used as references for various `Number` constants. */\nvar MAX_SAFE_INTEGER =
9007199254740991;\n\n/** Used to detect unsigned integer values. */\nvar reIsUint = /^(?:0|[1-9]\\d*)$/;\n\n/**\n * Checks if `value` is a valid array-like index.\n *\n * @private\n * @param {*} value The value to check.\n *
@param {number} [length=MAX_SAFE_INTEGER] The upper bounds of a valid index.\n * @returns {boolean}
Returns `true` if `value` is a valid index, else `false`.\n *\nfunction isIndex(value, length) {\n  var type = typeof
value;\n  length = length == null ? MAX_SAFE_INTEGER : length;\n  return !!length &&\n    (type == 'number'
||\n      (type != 'symbol' && reIsUint.test(value))) &&\n      (value > -1 && value % 1 == 0 && value <
length);\n}\n\nmodule.exports = isIndex;\n", "var baseIsTypedArray = require('./_baseIsTypedArray'),\n    baseUnary =
require('./_baseUnary'),\n    nodeUtil = require('./_nodeUtil');\n\n/** Node.js helper references. */\nvar nodeIsTypedArray =
nodeUtil && nodeUtil.isTypedArray;\n\n/** Checks if `value` is classified as a typed
array. */\n *\n * @static\n * @memberOf _\n * @since 3.0.0\n * @category Lang\n * @param {*} value The value to
check.\n * @returns {boolean} Returns `true` if `value` is a typed array, else `false`.\n * @example\n *\n *
_isTypedArray(new Uint8Array);\n * // => true\n *\n * _isTypedArray([]);\n * // => false\n *\nvar isTypedArray =
nodeIsTypedArray ? baseUnary(nodeIsTypedArray) : baseIsTypedArray;\n\nmodule.exports =
isTypedArray;\n", "var baseGetTag = require('./_baseGetTag'),\n    isLength = require('./isLength'),\n    isObjectLike
= require('./isObjectLike');\n\n/** `Object#toString` result references. */\nvar arrayTag = '[object Array]',\n    boolTag =
'[object Boolean]',\n    dateTag = '[object Date]',\n    errorTag = '[object Error]',\n    funcTag = '[object Function]',\n
mapTag = '[object Map]',\n    numberTag = '[object Number]',\n    objectTag = '[object Object]',\n    regexpTag = '[object
RegExp]',\n    setTag = '[object Set]',\n    stringTag = '[object String]',\n    weakMapTag = '[object WeakMap]';\n\nvar
arrayBufferTag = '[object ArrayBuffer]',\n    dataViewTag = '[object DataView]',\n    float32Tag = '[object Float32Array]',\n
float64Tag = '[object Float64Array]',\n    int8Tag = '[object Int8Array]',\n    int16Tag = '[object Int16Array]',\n    int32Tag =
'[object Int32Array]',\n    uint8Tag = '[object Uint8Array]',\n    uint8ClampedTag = '[object Uint8ClampedArray]',\n    uint16Tag =
'[object Uint16Array]',\n    uint32Tag = '[object Uint32Array]';\n\n/** Used to identify `toStringTag` values of typed
arrays. */\nvar typedArrayTags = {};\n\ntypedArrayTags[float32Tag] = typedArrayTags[float64Tag]
=\ntypedArrayTags[int8Tag] = typedArrayTags[int16Tag] =\ntypedArrayTags[int32Tag] =

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*\nfunction copyArray(source, array) {\n  var index = -1,\n      length = source.length;\n  array || (array =\n  Array(length));\n  while (++index < length) {\n    array[index] = source[index];\n  }\n  return\n  array;\n}\n\nmodule.exports = copyArray;\n", "var copyObject = require('./_copyObject'),\n  getSymbols =\n  require('./_getSymbols');\n\n/**\n * Copies own symbols of `source` to `object`.\n * @private\n * @param\n {Object} source The object to copy symbols from.\n * @param {Object} [object={}] The object to copy symbols\n to.\n * @returns {Object} Returns `object`.\n */\nfunction copySymbols(source, object) {\n  return\n  copyObject(source, getSymbols(source), object);\n}\n\nmodule.exports = copySymbols;\n", "/*\n * A specialized\n version of `_.filter` for arrays without support for\n * iteratee shorthands.\n * @private\n * @param {Array}\n [array] The array to iterate over.\n * @param {Function} predicate The function invoked per iteration.\n * @returns\n {Array} Returns the new filtered array.\n */\nfunction arrayFilter(array, predicate) {\n  var index = -1,\n      length =\n  array == null ? 0 : array.length,\n      resIndex = 0,\n      result = [];\n  while (++index < length) {\n    var value =\n  array[index];\n    if (predicate(value, index, array)) {\n      result[resIndex++] = value;\n    }\n  }\n  return\n  result;\n}\n\nmodule.exports = arrayFilter;\n", "var copyObject = require('./_copyObject'),\n  getSymbolsIn =\n  require('./_getSymbolsIn');\n\n/**\n * Copies own and inherited symbols of `source` to `object`.\n * @private\n * @param\n {Object} source The object to copy symbols from.\n * @param {Object} [object={}] The object to copy\n symbols to.\n * @returns {Object} Returns `object`.\n */\nfunction copySymbolsIn(source, object) {\n  return\n  copyObject(source, getSymbolsIn(source), object);\n}\n\nmodule.exports = copySymbolsIn;\n", "var\n  baseGetAllKeys = require('./_baseGetAllKeys'),\n  getSymbols = require('./_getSymbols'),\n  keys =\n  require('./keys');\n\n/**\n * Creates an array of own enumerable property names and symbols of `object`.\n * @private\n * @param\n {Object} object The object to query.\n * @returns {Array} Returns the array of property\n names and symbols.\n */\nfunction getAllKeys(object) {\n  return\n  baseGetAllKeys(object, keys,\n  getSymbols);\n}\n\nmodule.exports = getAllKeys;\n", "var\n  baseGetAllKeys = require('./_baseGetAllKeys'),\n  getSymbolsIn = require('./_getSymbolsIn'),\n  keysIn =\n  require('./keysIn');\n\n/**\n * Creates an array of own and\n inherited enumerable property names and\n * symbols of `object`.\n * @private\n * @param\n {Object} object\n The object to query.\n * @returns {Array} Returns the array of property\n names and symbols.\n */\nfunction\n  getAllKeysIn(object) {\n  return\n  baseGetAllKeys(object, keysIn, getSymbolsIn);\n}\n\nmodule.exports =\n  getAllKeysIn;\n", "var\n  getNative = require('./_getNative'),\n  root =\n  require('./_root');\n\n/**\n * Built-in method\n references that are verified to be native.\n */\nvar\n  DataView = getNative(root, 'DataView');\n\nmodule.exports =\n  DataView;\n", "var\n  getNative = require('./_getNative'),\n  root =\n  require('./_root');\n\n/**\n * Built-in method\n references that are verified to be native.\n */\nvar\n  Promise = getNative(root, 'Promise');\n\nmodule.exports =\n  Promise;\n", "var\n  getNative = require('./_getNative'),\n  root =\n  require('./_root');\n\n/**\n * Built-in method\n references that are verified to\n be native.\n */\nvar\n  Set = getNative(root, 'Set');\n\nmodule.exports =\n  Set;\n", "var\n  getNative = require('./_getNative'),\n  root =\n  require('./_root');\n\n/**\n * Built-in method\n references that are verified to\n be native.\n */\nvar\n  WeakMap =\n  getNative(root, 'WeakMap');\n\nmodule.exports =\n  WeakMap;\n", "/*\n * Used for built-in method\n references.\n */\nvar\n  objectProto = Object.prototype;\n\n/**\n * Used to check\n objects for own properties.\n */\nvar\n  hasOwnProperty =\n  objectProto.hasOwnProperty;\n\n/**\n * Initializes an\n array clone.\n * @private\n * @param\n {Array} array The\n array to clone.\n * @returns {Array}\n Returns the\n initialized clone.\n */\nfunction\n  initCloneArray(array) {\n  var\n  length = array.length,\n      result =\n  new array.constructor(length);\n  // Add\n  properties assigned by\n `RegExp#exec`\n  if (length && typeof array[0] == 'string' && hasOwnProperty.call(array, 'index')) {\n    result.index = array.index;\n    result.input = array.input;\n  }\n  return\n  result;\n}\n\nmodule.exports =\n  initCloneArray;\n", "var\n  cloneArrayBuffer =\n  require('./_cloneArrayBuffer'),\n  cloneDataView =\n  require('./_cloneDataView'),\n  cloneRegExp =\n  require('./_cloneRegExp'),\n  cloneSymbol =\n  require('./_cloneSymbol'),\n  cloneTypedArray =\n  require('./_cloneTypedArray');\n\n/**\n * `Object#toString`\n result\n references.\n */\nvar\n  boolTag = '[object Boolean]',\n  dateTag = '[object Date]',\n  mapTag = '[object Map]',\n  numberTag = '[object Number]',\n  regexpTag = '[object RegExp]',\n  setTag = '[object Set]',\n  stringTag = '[object String]',\n  symbolTag = '[object Symbol]';\n\nvar\n  arrayBufferTag = '[object ArrayBuffer]',\n  dataViewTag = '[object DataView]',\n  float32Tag = '[object Float32Array]',\n  float64Tag = '[object\n  Float64Array]',\n  int8Tag = '[object Int8Array]',\n  int16Tag = '[object Int16Array]',\n  int32Tag = '[object\n  Int32Array]';

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Int32Array]',\n  uint8Tag = '[object Uint8Array]',\n  uint8ClampedTag = '[object Uint8ClampedArray]',\n  uint16Tag = '[object Uint16Array]',\n  uint32Tag = '[object Uint32Array]';\n\n/**\n * Initializes an object clone based on its `toStringTag`.\n * \n * **Note:** This function only supports cloning values with tags of\n * `Boolean`, `Date`, `Error`, `Map`, `Number`, `RegExp`, `Set`, or `String`.\n * \n * @private\n * @param {Object} object The object to clone.\n * @param {string} tag The `toStringTag` of the object to clone.\n * @param {boolean} [isDeep] Specify a deep clone.\n * @returns {Object} Returns the initialized clone.\n */\nfunction initCloneByTag(object, tag, isDeep) {\n  var Ctor = object.constructor;\n  switch (tag) {\n    case arrayBufferTag:\n      return cloneArrayBuffer(object);\n\n    case boolTag:\n    case dateTag:\n      return new Ctor(+object);\n\n    case dataViewTag:\n      return cloneDataView(object, isDeep);\n\n    case float32Tag: case float64Tag:\n    case int8Tag: case int16Tag: case int32Tag:\n    case uint8Tag: case uint8ClampedTag: case uint16Tag: case uint32Tag:\n      return cloneTypedArray(object, isDeep);\n\n    case mapTag:\n      return new Ctor;\n\n    case numberTag: case stringTag:\n      return new Ctor(object);\n\n    case regexpTag:\n      return cloneRegExp(object);\n\n    case setTag:\n      return new Ctor;\n\n    case symbolTag:\n      return cloneSymbol(object);\n  }\n}\n\nmodule.exports = initCloneByTag;\n\n"var root = require('./_root');\n\n/** Built-in value references. */\nvar Uint8Array = root.Uint8Array;\n\nmodule.exports = Uint8Array;\n\n"var cloneArrayBuffer = require('./_cloneArrayBuffer');\n\n/**\n * Creates a clone of `dataView`.\n * \n * @private\n * @param {Object} dataView The data view to clone.\n * @param {boolean} [isDeep] Specify a deep clone.\n * @returns {Object} Returns the cloned data view.\n */\nfunction cloneDataView(dataView, isDeep) {\n  var buffer = isDeep ? cloneArrayBuffer(dataView.buffer) : dataView.buffer;\n  return new dataView.constructor(buffer, dataView.byteOffset, dataView.byteLength);\n}\n\nmodule.exports = cloneDataView;\n\n"/** Used to match `RegExp` flags from their coerced string values. */\nvar reFlags = /\w*$/;\n\n/**\n * Creates a clone of `regexp`.\n * \n * @private\n * @param {Object} regexp The regexp to clone.\n * @returns {Object} Returns the cloned regexp.\n */\nfunction cloneRegExp(regexp) {\n  var result = new regexp.constructor(regexp.source, reFlags.exec(regexp));\n  result.lastIndex = regexp.lastIndex;\n  return result;\n}\n\nmodule.exports = cloneRegExp;\n\n"var Symbol = require('./_Symbol');\n\n/** Used to convert symbols to primitives and strings. */\nvar symbolProto = Symbol ? Symbol.prototype : undefined,\n    symbolValueOf = symbolProto ? symbolProto.valueOf : undefined;\n\n/**\n * Creates a clone of the `symbol` object.\n * \n * @private\n * @param {Object} symbol The symbol object to clone.\n * @returns {Object} Returns the cloned symbol object.\n */\nfunction cloneSymbol(symbol) {\n  return symbolValueOf ? Object(symbolValueOf.call(symbol)) : {};\n}\n\nmodule.exports = cloneSymbol;\n\n"var cloneArrayBuffer = require('./_cloneArrayBuffer');\n\n/**\n * Creates a clone of `typedArray`.\n * \n * @private\n * @param {Object} typedArray The typed array to clone.\n * @param {boolean} [isDeep] Specify a deep clone.\n * @returns {Object} Returns the cloned typed array.\n */\nfunction cloneTypedArray(typedArray, isDeep) {\n  var buffer = isDeep ? cloneArrayBuffer(typedArray.buffer) : typedArray.buffer;\n  return new typedArray.constructor(buffer, typedArray.byteOffset, typedArray.length);\n}\n\nmodule.exports = cloneTypedArray;\n\n"var baseCreate = require('./_baseCreate'),\n    getPrototype = require('./_getPrototype'),\n    isPrototype = require('./_isPrototype');\n\n/**\n * Initializes an object clone.\n * \n * @private\n * @param {Object} object The object to clone.\n * @returns {Object} Returns the initialized clone.\n */\nfunction initCloneObject(object) {\n  return (typeof object.constructor == 'function' && !isPrototype(object))\n    ? baseCreate(getPrototype(object))\n    : {};\n}\n\nmodule.exports = initCloneObject;\n\n"var isObject = require('./_isObject');\n\n/** Built-in value references. */\nvar objectCreate = Object.create;\n\n/**\n * The base implementation of `_.create` without support for assigning\n * properties to the created object.\n * \n * @private\n * @param {Object} proto The object to inherit from.\n * @returns {Object} Returns the new object.\n */\nvar baseCreate = (function() {\n  function object() {}\n  return function(proto) {\n    (!isObject(proto))\n      ? return {};\n    };\n  };\n  if (objectCreate)\n    return objectCreate(proto);\n  };\n  object.prototype = proto;\n  var result = new object;\n  object.prototype = undefined;\n  return result;\n}\n\nmodule.exports = baseCreate;\n\n"var baseIsMap = require('./_baseIsMap'),\n    baseUnary = require('./_baseUnary'),\n    nodeUtil = require('./_nodeUtil');\n\n/** Node.js helper references. */\nvar nodeIsMap = nodeUtil && nodeUtil.isMap;\n\n/**\n * Checks if `value` is classified as a `Map` object.\n * \n * @static\n *

```

```

@memberOf _\n * @since 4.3.0\n * @category Lang\n * @param {*} value The value to check.\n * @returns
{boolean} Returns `true` if `value` is a map, else `false`.\n * @example\n *\n * _isMap(new Map);\n * // => true\n *\n * _isMap(new WeakMap);\n * // => false\n *\n * ^\nvar isMap = nodeIsMap ? baseUnary(nodeIsMap) :
baseIsMap;\n\nmodule.exports = isMap;\n", "var getTag = require('./_getTag'),\n  isObjectLike =
require('./isObjectLike');\n\n/** `Object#toString` result references. *\nvar mapTag = '[object Map]';\n\n/**\n * The base implementation of `_.isMap` without Node.js optimizations.\n *\n * @private\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is a map, else `false`.\n *\n * ^\nfunction baseIsMap(value) {\n  return isObjectLike(value) && getTag(value) == mapTag;\n}\n\nmodule.exports = baseIsMap;\n", "var baseIsSet =
require('./_baseIsSet'),\n  baseUnary = require('./_baseUnary'),\n  nodeUtil = require('./_nodeUtil');\n\n/** Node.js
helper references. *\nvar nodeIsSet = nodeUtil && nodeUtil.isSet;\n\n/**\n * Checks if `value` is classified as a
`Set` object.\n *\n * @static\n * @memberOf _\n * @since 4.3.0\n * @category Lang\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is a set, else `false`.\n * @example\n *\n *
_.isSet(new Set);\n * // => true\n *\n * _isSet(new WeakSet);\n * // => false\n *\n * ^\nvar isSet = nodeIsSet ?
baseUnary(nodeIsSet) : baseIsSet;\n\nmodule.exports = isSet;\n", "var getTag = require('./_getTag'),\n
isObjectLike = require('./isObjectLike');\n\n/** `Object#toString` result references. *\nvar setTag = '[object
Set]';\n\n/**\n * The base implementation of `_.isSet` without Node.js optimizations.\n *\n * @private\n * @param
{*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is a set, else `false`.\n *\n * ^\nfunction
baseIsSet(value) {\n  return isObjectLike(value) && getTag(value) == setTag;\n}\n\nmodule.exports =
baseIsSet;\n", "use strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value:
true\n});\n\nexports.isIdentifierStart = isIdentifierStart;\n\nexports.isIdentifierChar =
isIdentifierChar;\n\nexports.isIdentifierName = isIdentifierName;\n\nlet nonASCIIIdentifierStartChars =
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\uaa36\uaa43\uaa4c\uaa4d\uaa50-\uaa59\uaa7b-\uaa7d\uaab0\uaab2-
\uaab4\uaab7\uaab8\uaabe\uaabf\uaac1\uaaeb-\uaaef\uaaf5\uaaf6\uaab3-\uaabea\uaabec\uaabed\uaabf0-
\uaabf9\ufb1e\ufe00-\ufe0f\ufe20-\ufe2f\ufe33\ufe34\ufe4d-\ufe4f\uff10-\uff19\uff3f";\nconst
nonASCIIIdentifierStart = new RegExp("\[" + nonASCIIIdentifierStartChars + "\]");\nconst nonASCIIIdentifier =
new RegExp("\[" + nonASCIIIdentifierStartChars + nonASCIIIdentifierChars +
"\]");\nnonASCIIIdentifierStartChars = nonASCIIIdentifierChars = null;\nconst astralIdentifierStartCodes = [0, 11,
2, 25, 2, 18, 2, 1, 2, 14, 3, 13, 35, 122, 70, 52, 268, 28, 4, 48, 48, 31, 14, 29, 6, 37, 11, 29, 3, 35, 5, 7, 2, 4, 43, 157,
19, 35, 5, 35, 5, 39, 9, 51, 157, 310, 10, 21, 11, 7, 153, 5, 3, 0, 2, 43, 2, 1, 4, 0, 3, 22, 11, 22, 10, 30, 66, 18, 2, 1, 11,
21, 11, 25, 71, 55, 7, 1, 65, 0, 16, 3, 2, 2, 28, 43, 28, 4, 28, 36, 7, 2, 27, 28, 53, 11, 21, 11, 18, 14, 17, 111, 72, 56,
50, 14, 50, 14, 35, 349, 41, 7, 1, 79, 28, 11, 0, 9, 21, 107, 20, 28, 22, 13, 52, 76, 44, 33, 24, 27, 35, 30, 0, 3, 0, 9, 34,
4, 0, 13, 47, 15, 3, 22, 0, 2, 0, 36, 17, 2, 24, 85, 6, 2, 0, 2, 3, 2, 14, 2, 9, 8, 46, 39, 7, 3, 1, 3, 21, 2, 6, 2, 1, 2, 4, 4, 0,
19, 0, 13, 4, 159, 52, 19, 3, 21, 2, 31, 47, 21, 1, 2, 0, 185, 46, 42, 3, 37, 47, 21, 0, 60, 42, 14, 0, 72, 26, 230, 43, 117,
63, 32, 7, 3, 0, 3, 7, 2, 1, 2, 23, 16, 0, 2, 0, 95, 7, 3, 38, 17, 0, 2, 0, 29, 0, 11, 39, 8, 0, 22, 0, 12, 45, 20, 0, 35, 56, 264,
8, 2, 36, 18, 0, 50, 29, 113, 6, 2, 1, 2, 37, 22, 0, 26, 5, 2, 1, 2, 31, 15, 0, 328, 18, 190, 0, 80, 921, 103, 110, 18, 195,
2749, 1070, 4050, 582, 8634, 568, 8, 30, 114, 29, 19, 47, 17, 3, 32, 20, 6, 18, 689, 63, 129, 74, 6, 0, 67, 12, 65, 1, 2,
0, 29, 6135, 9, 1237, 43, 8, 8952, 286, 50, 2, 18, 3, 9, 395, 2309, 106, 6, 12, 4, 8, 8, 9, 5991, 84, 2, 70, 2, 1, 3, 0, 3, 1,
3, 3, 2, 11, 2, 0, 2, 6, 2, 64, 2, 3, 3, 7, 2, 6, 2, 27, 2, 3, 2, 4, 2, 0, 4, 6, 2, 339, 3, 24, 2, 24, 2, 30, 2, 24, 2, 30, 2, 24, 2,
30, 2, 24, 2, 30, 2, 24, 2, 7, 2357, 44, 11, 6, 17, 0, 370, 43, 1301, 196, 60, 67, 8, 0, 1205, 3, 2, 26, 2, 1, 2, 0, 3, 0, 2, 9,
2, 3, 2, 0, 2, 0, 7, 0, 5, 0, 2, 0, 2, 0, 2, 2, 1, 2, 0, 3, 0, 2, 0, 2, 0, 2, 0, 2, 0, 2, 1, 2, 0, 3, 3, 2, 6, 2, 3, 2, 3, 2, 0, 2, 9, 2,
16, 6, 2, 2, 4, 2, 16, 4421, 42717, 35, 4148, 12, 221, 3, 5761, 15, 7472, 3104, 541, 1507, 4938];\nconst
astralIdentifierCodes = [509, 0, 227, 0, 150, 4, 294, 9, 1368, 2, 2, 1, 6, 3, 41, 2, 5, 0, 166, 1, 574, 3, 9, 9, 370, 1, 154,
10, 176, 2, 54, 14, 32, 9, 16, 3, 46, 10, 54, 9, 7, 2, 37, 13, 2, 9, 6, 1, 45, 0, 13, 2, 49, 13, 9, 3, 2, 11, 83, 11, 7, 0, 161,
11, 6, 9, 7, 3, 56, 1, 2, 6, 3, 1, 3, 2, 10, 0, 11, 1, 3, 6, 4, 4, 193, 17, 10, 9, 5, 0, 82, 19, 13, 9, 214, 6, 3, 8, 28, 1, 83, 16,
16, 9, 82, 12, 9, 9, 84, 14, 5, 9, 243, 14, 166, 9, 71, 5, 2, 1, 3, 3, 2, 0, 2, 1, 13, 9, 120, 6, 3, 6, 4, 0, 29, 9, 41, 6, 2, 3, 9,
0, 10, 10, 47, 15, 406, 7, 2, 7, 17, 9, 57, 21, 2, 13, 123, 5, 4, 0, 2, 1, 2, 6, 2, 0, 9, 9, 49, 4, 2, 1, 2, 4, 9, 9, 330, 3,
19306, 9, 135, 4, 60, 6, 26, 9, 1014, 0, 2, 54, 8, 3, 82, 0, 12, 1, 19628, 1, 5319, 4, 4, 5, 9, 7, 3, 6, 31, 3, 149, 2, 1418,
49, 513, 54, 5, 49, 9, 0, 15, 0, 23, 4, 2, 14, 1361, 6, 2, 16, 3, 6, 2, 1, 2, 4, 262, 6, 10, 9, 419, 13, 1495, 6, 110, 6, 6, 9,
4759, 9, 787719, 239];\n\nfunction isInAstralSet(code, set) {\n  let pos = 0x10000;\n  for (let i = 0, length =
set.length; i < length; i += 2) {\n    pos += set[i];\n    if (pos > code) return false;\n    pos += set[i + 1];\n    if (pos >=
code) return true;\n  }\n  return false;\n}\n\nfunction isIdentifierStart(code) {\n  if (code < 65) return code ===
36;\n  if (code <= 90) return true;\n  if (code < 97) return code === 95;\n  if (code <= 122) return true;\n  if (code
<= 0xffff) {\n    return code >= 0xaa && nonASCIIIdentifierStart.test(String.fromCharCode(code));\n  }\n  return
isInAstralSet(code, astralIdentifierStartCodes);\n}\n\nfunction isIdentifierChar(code) {\n  if (code < 48) return code
=== 36;\n  if (code < 58) return true;\n  if (code < 65) return false;\n  if (code <= 90) return true;\n  if (code < 97)
return code === 95;\n  if (code <= 122) return true;\n  if (code <= 0xffff) {\n    return code >= 0xaa &&
nonASCIIIdentifier.test(String.fromCharCode(code));\n  }\n  return isInAstralSet(code, astralIdentifierStartCodes)
|| isInAstralSet(code, astralIdentifierCodes);\n}\n\nfunction isIdentifierName(name) {\n  let isFirst = true;\n  for
(let i = 0; i < name.length; i++) {\n    let cp = name.charCodeAt(i);\n    if ((cp & 0xfc00) === 0xd800 && i + 1 <
name.length) {\n      const trail = name.charCodeAt(++i);\n      if ((trail & 0xfc00) === 0xdc00) {\n        cp =
0x10000 + ((cp & 0x3ff) << 10) + (trail & 0x3ff);\n      }\n    }\n    if (isFirst) {\n      isFirst = false;\n    }\n    if
(!isIdentifierStart(cp)) {\n      return false;\n    }\n    if (!isIdentifierChar(cp)) {\n      return false;\n    }\n  }\n  return
isFirst;\n}\n\n"\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value:
true\n});\n\nexports.isReservedWord = isReservedWord;\n\nexports.isStrictReservedWord =
isStrictReservedWord;\n\nexports.isStrictBindOnlyReservedWord =
isStrictBindOnlyReservedWord;\n\nexports.isStrictBindReservedWord =
isStrictBindReservedWord;\n\nexports.isKeyword = isKeyword;\n\nconst reservedWords = {\n  keyword: [\"break\",

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"case", "catch", "continue", "debugger", "default", "do", "else", "finally", "for", "function", "if",
"return", "switch", "throw", "try", "var", "const", "while", "with", "new", "this", "super", "class",
"extends", "export", "import", "null", "true", "false", "in", "instanceof", "typeof", "void", "delete",
strict: ["implements", "interface", "let", "package", "private", "protected", "public", "static", "yield"],
strictBind: ["eval", "arguments"]
};
const keywords = new Set(reservedWords.keyword);
const reservedWordsStrictSet = new Set(reservedWords.strict);
const reservedWordsStrictBindSet = new Set(reservedWords.strictBind);
function isReservedWord(word, inModule) {
  return inModule && word === "await" || word === "enum";
}
function isStrictReservedWord(word, inModule) {
  return isReservedWord(word, inModule) || reservedWordsStrictSet.has(word);
}
function isStrictBindOnlyReservedWord(word) {
  return reservedWordsStrictBindSet.has(word);
}
function isStrictBindReservedWord(word, inModule) {
  return isStrictReservedWord(word, inModule) || isStrictBindOnlyReservedWord(word);
}
function isKeyword(word) {
  return keywords.has(word);
}
"use strict";
var _utils = _interopRequireWildcard(require("./utils"));
function _getRequireWildcardCache() {
  if (typeof WeakMap !== "function") return null;
  var cache = new WeakMap();
  _getRequireWildcardCache = function () {
    return cache;
  };
  return cache;
}
function _interopRequireWildcard(obj) {
  if (obj && obj.__esModule) {
    return obj;
  }
  if (obj === null || typeof obj !== "object" && typeof obj !== "function") {
    return {
      default: obj
    };
  }
  var cache = _getRequireWildcardCache();
  if (cache && cache.has(obj)) {
    return cache.get(obj);
  }
  var newObj = {};
  var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;
  for (var key in obj) {
    if (Object.prototype.hasOwnProperty.call(obj, key)) {
      var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null;
      if (desc && (desc.get || desc.set)) {
        Object.defineProperty(newObj, key, desc);
      } else {
        newObj[key] = obj[key];
      }
    }
  }
  newObj.default = obj;
  if (cache) {
    cache.set(obj, newObj);
  }
  return newObj;
}
const defineInterfaceishType = (name, typeParameterType = "TypeParameterDeclaration") => {
  (0, _utils.default)(name, {
    builder: ["id", "typeParameters", "extends", "body"],
    visitor: ["id", "typeParameters", "extends", "mixins", "implements", "body"],
    aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],
    fields: {
      id: (0, _utils.validateType)("Identifier"),
      typeParameters: (0, _utils.validateOptionalType)(typeParameterType),
      extends: (0, _utils.validateOptional)((0, _utils.arrayOfType)("InterfaceExtends")),
      mixins: (0, _utils.validateOptional)((0, _utils.arrayOfType)("InterfaceExtends")),
      implements: (0, _utils.validateOptional)((0, _utils.arrayOfType)("ClassImplements")),
      body: (0, _utils.validateType)("ObjectTypeAnnotation")
    }
  });
  (0, _utils.default)("AnyTypeAnnotation", {
    aliases: ["Flow", "FlowType", "FlowBaseAnnotation"]
  });
  (0, _utils.default)("ArrayTypeAnnotation", {
    visitor: ["elementType"],
    aliases: ["Flow", "FlowType"],
    fields: {
      elementType: (0, _utils.validateType)("FlowType")
    }
  });
  (0, _utils.default)("BooleanTypeAnnotation", {
    aliases: ["Flow", "FlowType", "FlowBaseAnnotation"]
  });
  (0, _utils.default)("BooleanLiteralTypeAnnotation", {
    builder: ["value"],
    aliases: ["Flow", "FlowType"],
    fields: {
      value: (0, _utils.validate)((0, _utils.assertValueType)("boolean"))
    }
  });
  (0, _utils.default)("NullLiteralTypeAnnotation", {
    aliases: ["Flow", "FlowType", "FlowBaseAnnotation"]
  });
  (0, _utils.default)("ClassImplements", {
    visitor: ["id", "typeParameters"],
    aliases: ["Flow"],
    fields: {
      id: (0, _utils.validateType)("Identifier"),
      typeParameters: (0, _utils.validateOptionalType)("TypeParameterInstantiation")
    }
  });
  defineInterfaceishType("DeclareClass");
  (0, _utils.default)("DeclareFunction", {
    visitor: ["id"],
    aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],
    fields: {
      id: (0, _utils.validateType)("Identifier"),
      predicate: (0, _utils.validateOptionalType)("DeclaredPredicate")
    }
  });
  defineInterfaceishType("DeclareInterface");
  (0, _utils.default)("DeclareModule", {
    builder: ["id", "body", "kind"],
    visitor: ["id", "body"],
    aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],
    fields: {
      id: (0, _utils.validateType)("Identifier", "StringLiteral"),
      body: (0, _utils.validateType)("BlockStatement"),
      kind: (0, _utils.validateOptional)((0, _utils.assertOneOf)("CommonJS", "ES"))
    }
  });
  (0, _utils.default)("DeclareModuleExports", {
    visitor: ["typeAnnotation"],
    aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],
    fields: {

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typeAnnotation: (0, _utils.validateType)("TypeAnnotation")\n }n});\n(0, _utils.default)("DeclareTypeAlias", {\n
visitor: ["id", "typeParameters", "right"],\n aliases: ["Flow", "FlowDeclaration", "Statement",
"Declaration"],\n fields: {\n id: (0, _utils.validateType)("Identifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterDeclaration"),\n right: (0, _utils.validateType)("FlowType")\n
})\n});\n(0, _utils.default)("DeclareOpaqueType", {\n visitor: ["id", "typeParameters", "supertype"],\n aliases:
["Flow", "FlowDeclaration", "Statement", "Declaration"],\n fields: {\n id: (0,
_utils.validateType)("Identifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterDeclaration"),\n supertype: (0,
_utils.validateOptionalType)("FlowType")\n }n});\n(0, _utils.default)("DeclareVariable", {\n visitor: ["id"],\n
aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],\n fields: {\n id: (0,
_utils.validateType)("Identifier")\n }n});\n(0, _utils.default)("DeclareExportDeclaration", {\n visitor:
["declaration", "specifiers", "source"],\n aliases: ["Flow", "FlowDeclaration", "Statement",
"Declaration"],\n fields: {\n declaration: (0, _utils.validateOptionalType)("Flow"),\n specifiers: (0,
_utils.validateOptional)((0, _utils.arrayOfType)(["ExportSpecifier", "ExportNamespaceSpecifier"])),\n source:
(0, _utils.validateOptionalType)("StringLiteral"),\n default: (0, _utils.validateOptional)((0,
_utils.assertValueType)("boolean"))\n }n});\n(0, _utils.default)("DeclareExportAllDeclaration", {\n visitor:
["source"],\n aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],\n fields: {\n source: (0,
_utils.validateType)("StringLiteral"),\n exportKind: (0, _utils.validateOptional)((0, _utils.assertOneOf)("type",
"value"))\n }n});\n(0, _utils.default)("DeclaredPredicate", {\n visitor: ["value"],\n aliases: ["Flow",
"FlowPredicate"],\n fields: {\n value: (0, _utils.validateType)("Flow")\n }n});\n(0,
_utils.default)("ExistsTypeAnnotation", {\n aliases: ["Flow", "FlowType"]\n});\n(0,
_utils.default)("FunctionTypeAnnotation", {\n visitor: ["typeParameters", "params", "rest", "returnType"],\n
aliases: ["Flow", "FlowType"],\n fields: {\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterDeclaration"),\n params: (0, _utils.validate)((0,
_utils.arrayOfType)("FunctionTypeParam")),\n rest: (0, _utils.validateOptionalType)("FunctionTypeParam"),\n
returnType: (0, _utils.validateType)("FlowType")\n }n});\n(0, _utils.default)("FunctionTypeParam", {\n
visitor: ["name", "typeAnnotation"],\n aliases: ["Flow"],\n fields: {\n name: (0,
_utils.validateOptionalType)("Identifier"),\n typeAnnotation: (0, _utils.validateType)("FlowType"),\n
optional: (0, _utils.validateOptional)((0, _utils.assertValueType)("boolean"))\n }n});\n(0,
_utils.default)("GenericTypeAnnotation", {\n visitor: ["id", "typeParameters"],\n aliases: ["Flow",
"FlowType"],\n fields: {\n id: (0, _utils.validateType)(["Identifier", "QualifiedTypeIdentifier"]),\n
typeParameters: (0, _utils.validateOptionalType)("TypeParameterInstantiation")\n }n});\n(0,
_utils.default)("InferredPredicate", {\n aliases: ["Flow", "FlowPredicate"]\n});\n(0,
_utils.default)("InterfaceExtends", {\n visitor: ["id", "typeParameters"],\n aliases: ["Flow"],\n fields: {\n id:
(0, _utils.validateType)(["Identifier", "QualifiedTypeIdentifier"]),\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterInstantiation")\n
})\n});\n\ndefineInterfaceishType("InterfaceDeclaration");\n(0, _utils.default)("InterfaceTypeAnnotation", {\n
visitor: ["extends", "body"],\n aliases: ["Flow", "FlowType"],\n fields: {\n extends: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("InterfaceExtends")),\n body: (0,
_utils.validateType)("ObjectTypeAnnotation")\n }n});\n(0, _utils.default)("IntersectionTypeAnnotation", {\n
visitor: ["types"],\n aliases: ["Flow", "FlowType"],\n fields: {\n types: (0, _utils.validate)((0,
_utils.arrayOfType)("FlowType"))\n }n});\n(0, _utils.default)("MixedTypeAnnotation", {\n aliases: ["Flow",
"FlowType", "FlowBaseAnnotation"]\n});\n(0, _utils.default)("EmptyTypeAnnotation", {\n aliases: ["Flow",
"FlowType", "FlowBaseAnnotation"]\n});\n(0, _utils.default)("NullableTypeAnnotation", {\n visitor:
["typeAnnotation"],\n aliases: ["Flow", "FlowType"],\n fields: {\n typeAnnotation: (0,
_utils.validateType)("FlowType")\n }n});\n(0, _utils.default)("NumberLiteralTypeAnnotation", {\n builder:
["value"],\n aliases: ["Flow", "FlowType"],\n fields: {\n value: (0, _utils.validate)((0,
_utils.assertValueType)("number"))\n }n});\n(0, _utils.default)("NumberTypeAnnotation", {\n aliases:

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["Flow", "FlowType", "FlowBaseAnnotation"]\n});\n(0, _utils.default)("ObjectTypeAnnotation", {\n visitor:
["properties", "indexers", "callProperties", "internalSlots"],\n aliases: ["Flow", "FlowType"],\n builder:
["properties", "indexers", "callProperties", "internalSlots", "exact"],\n fields: {\n properties: (0,
_utils.validate)((0, _utils.arrayOfType)(["ObjectTypeProperty", "ObjectTypeSpreadProperty"])),\n indexers: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("ObjectTypeIndexer")),\n callProperties: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("ObjectTypeCallProperty")),\n internalSlots: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("ObjectTypeInternalSlot")),\n exact: {\n validate: (0,
_utils.assertValueType)("boolean"),\n default: false\n },\n inexact: (0, _utils.validateOptional)((0,
_utils.assertValueType)("boolean"))\n } });\n(0, _utils.default)("ObjectTypeInternalSlot", {\n visitor: ["id",
"value", "optional", "static", "method"],\n aliases: ["Flow", "UserWhitespacable"],\n fields: {\n id: (0,
_utils.validateType)("Identifier"),\n value: (0, _utils.validateType)("FlowType"),\n optional: (0,
_utils.validate)((0, _utils.assertValueType)("boolean")),,\n static: (0, _utils.validate)((0,
_utils.assertValueType)("boolean")),,\n method: (0, _utils.validate)((0, _utils.assertValueType)("boolean"))\n
} });\n(0, _utils.default)("ObjectTypeCallProperty", {\n visitor: ["value"],\n aliases: ["Flow",
"UserWhitespacable"],\n fields: {\n value: (0, _utils.validateType)("FlowType"),\n static: (0,
_utils.validate)((0, _utils.assertValueType)("boolean"))\n } });\n(0, _utils.default)("ObjectTypeIndexer", {\n
visitor: ["id", "key", "value", "variance"],\n aliases: ["Flow", "UserWhitespacable"],\n fields: {\n id: (0,
_utils.validateOptionalType)("Identifier"),\n key: (0, _utils.validateType)("FlowType"),\n value: (0,
_utils.validateType)("FlowType"),\n static: (0, _utils.validate)((0, _utils.assertValueType)("boolean")),,\n
variance: (0, _utils.validateOptionalType)("Variance")\n } });\n(0, _utils.default)("ObjectTypeProperty", {\n
visitor: ["key", "value", "variance"],\n aliases: ["Flow", "UserWhitespacable"],\n fields: {\n key: (0,
_utils.validateType)(["Identifier", "StringLiteral"]),\n value: (0, _utils.validateType)("FlowType"),\n kind:
(0, _utils.validate)((0, _utils.assertOneOf)("init", "get", "set")),,\n static: (0, _utils.validate)((0,
_utils.assertValueType)("boolean")),,\n proto: (0, _utils.validate)((0, _utils.assertValueType)("boolean")),,\n
optional: (0, _utils.validate)((0, _utils.assertValueType)("boolean")),,\n variance: (0,
_utils.validateOptionalType)("Variance")\n } });\n(0, _utils.default)("ObjectTypeSpreadProperty", {\n visitor:
["argument"],\n aliases: ["Flow", "UserWhitespacable"],\n fields: {\n argument: (0,
_utils.validateType)("FlowType")\n } });\n(0, _utils.default)("OpaqueType", {\n visitor: ["id",
"typeParameters", "supertype", "impltype"],\n aliases: ["Flow", "FlowDeclaration", "Statement",
"Declaration"],\n fields: {\n id: (0, _utils.validateType)("Identifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterDeclaration"),\n supertype: (0,
_utils.validateOptionalType)("FlowType"),\n impltype: (0, _utils.validateType)("FlowType")\n } });\n(0,
_utils.default)("QualifiedTypeIdentifier", {\n visitor: ["id", "qualification"],\n aliases: ["Flow"],\n fields: {\n
id: (0, _utils.validateType)("Identifier"),\n qualification: (0, _utils.validateType)(["Identifier",
"QualifiedTypeIdentifier"])\n } });\n(0, _utils.default)("StringLiteralTypeAnnotation", {\n builder:
["value"],\n aliases: ["Flow", "FlowType"],\n fields: {\n value: (0, _utils.validate)((0,
_utils.assertValueType)("string"))\n } });\n(0, _utils.default)("StringTypeAnnotation", {\n aliases: ["Flow",
"FlowType", "FlowBaseAnnotation"]\n });\n(0, _utils.default)("SymbolTypeAnnotation", {\n aliases: ["Flow",
"FlowType", "FlowBaseAnnotation"]\n });\n(0, _utils.default)("ThisTypeAnnotation", {\n aliases: ["Flow",
"FlowType", "FlowBaseAnnotation"]\n });\n(0, _utils.default)("TupleTypeAnnotation", {\n visitor:
["types"],\n aliases: ["Flow", "FlowType"],\n fields: {\n types: (0, _utils.validate)((0,
_utils.arrayOfType)("FlowType"))\n } });\n(0, _utils.default)("TypeofTypeAnnotation", {\n visitor:
["argument"],\n aliases: ["Flow", "FlowType"],\n fields: {\n argument: (0,
_utils.validateType)("FlowType")\n } });\n(0, _utils.default)("TypeAlias", {\n visitor: ["id",
"typeParameters", "right"],\n aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],\n fields:
{\n id: (0, _utils.validateType)("Identifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterDeclaration"),\n right: (0, _utils.validateType)("FlowType")\n
} });\n(0, _utils.default)("TypeAnnotation", {\n aliases: ["Flow"],\n visitor: ["typeAnnotation"],\n fields: {\n

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typeAnnotation: (0, _utils.validateType)("FlowType")\n }n});\n(0, _utils.default)("TypeCastExpression", {\n
visitor: ["expression", "typeAnnotation"],\n aliases: ["Flow", "ExpressionWrapper", "Expression"],\n fields:
{\n expression: (0, _utils.validateType)("Expression"),\n typeAnnotation: (0,
_utils.validateType)("TypeAnnotation")\n }n});\n(0, _utils.default)("TypeParameter", {\n aliases: ["Flow"],\n
visitor: ["bound", "default", "variance"],\n fields: {\n name: (0, _utils.validate)((0,
_utils.assertValueType)("string")),\n bound: (0, _utils.validateOptionalType)("TypeAnnotation"),\n default:
(0, _utils.validateOptionalType)("FlowType"),\n variance: (0, _utils.validateOptionalType)("Variance")\n
}n});\n(0, _utils.default)("TypeParameterDeclaration", {\n aliases: ["Flow"],\n visitor: ["params"],\n fields:
{\n params: (0, _utils.validate)((0, _utils.arrayOfType)("TypeParameter"))\n }n});\n(0,
_utils.default)("TypeParameterInstantiation", {\n aliases: ["Flow"],\n visitor: ["params"],\n fields: {\n
params: (0, _utils.validate)((0, _utils.arrayOfType)("FlowType"))\n }n});\n(0,
_utils.default)("UnionTypeAnnotation", {\n visitor: ["types"],\n aliases: ["Flow", "FlowType"],\n fields: {\n
types: (0, _utils.validate)((0, _utils.arrayOfType)("FlowType"))\n }n});\n(0, _utils.default)("Variance", {\n
aliases: ["Flow"],\n builder: ["kind"],\n fields: {\n kind: (0, _utils.validate)((0, _utils.assertOneOf)("minus",
"plus"))\n }n});\n(0, _utils.default)("VoidTypeAnnotation", {\n aliases: ["Flow", "FlowType",
"FlowBaseAnnotation"]\n});\n(0, _utils.default)("EnumDeclaration", {\n aliases: ["Statement",
"Declaration"],\n visitor: ["id", "body"],\n fields: {\n id: (0, _utils.validateType)("Identifier"),\n body: (0,
_utils.validateType)(["EnumBooleanBody", "EnumNumberBody", "EnumStringBody",
"EnumSymbolBody"])\n }n});\n(0, _utils.default)("EnumBooleanBody", {\n aliases: ["EnumBody"],\n
visitor: ["members"],\n fields: {\n explicit: (0, _utils.validate)((0, _utils.assertValueType)("boolean")),
members: (0, _utils.validateArrayOfType)("EnumBooleanMember")\n }n});\n(0,
_utils.default)("EnumNumberBody", {\n aliases: ["EnumBody"],\n visitor: ["members"],\n fields: {\n
explicit: (0, _utils.validate)((0, _utils.assertValueType)("boolean")), members: (0,
_utils.validateArrayOfType)("EnumNumberMember")\n }n});\n(0, _utils.default)("EnumStringBody", {\n
aliases: ["EnumBody"],\n visitor: ["members"],\n fields: {\n explicit: (0, _utils.validate)((0,
_utils.assertValueType)("boolean")), members: (0, _utils.validateArrayOfType)(["EnumStringMember",
"EnumDefaultedMember"])\n }n});\n(0, _utils.default)("EnumSymbolBody", {\n aliases: ["EnumBody"],\n
visitor: ["members"],\n fields: {\n members: (0, _utils.validateArrayOfType)("EnumDefaultedMember")\n
}n});\n(0, _utils.default)("EnumBooleanMember", {\n aliases: ["EnumMember"],\n visitor: ["id"],\n fields:
{\n id: (0, _utils.validateType)("Identifier"),\n init: (0, _utils.validateType)("BooleanLiteral")\n }n});\n(0,
_utils.default)("EnumNumberMember", {\n aliases: ["EnumMember"],\n visitor: ["id", "init"],\n fields: {\n
id: (0, _utils.validateType)("Identifier"),\n init: (0, _utils.validateType)("NumericLiteral")\n }n});\n(0,
_utils.default)("EnumStringMember", {\n aliases: ["EnumMember"],\n visitor: ["id", "init"],\n fields: {\n
id: (0, _utils.validateType)("Identifier"),\n init: (0, _utils.validateType)("StringLiteral")\n }n});\n(0,
_utils.default)("EnumDefaultedMember", {\n aliases: ["EnumMember"],\n visitor: ["id"],\n fields: {\n id: (0,
_utils.validateType)("Identifier")\n }n});";\n\n"use strict";\n\nvar _utils =
_interopRequireWildcard(require("./utils"));
\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
"function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj ===
null || typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\n(0, _utils.default)("JSXAttribute", {\n visitor: ["name",
"value"],\n aliases: ["JSX", "Immutable"],\n fields: {\n name: {\n validate: (0,
_utils.assertNodeType)("JSXIdentifier", "JSXNamespacedName")\n },\n value: {\n optional: true,\n

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validate: (0, _utils.assertNodeType)("JSXElement", "JSXFragment", "StringLiteral",
"JSXExpressionContainer")\n }n }n});n(0, _utils.default)("JSXClosingElement", {\n visitor: ["name"],\n
aliases: ["JSX", "Immutable"],\n fields: {\n name: {\n validate: (0, _utils.assertNodeType)("JSXIdentifier",
"JSXMemberExpression", "JSXNamespacedName")\n }n }n});n(0, _utils.default)("JSXElement", {\n
builder: ["openingElement", "closingElement", "children", "selfClosing"],\n visitor: ["openingElement",
"children", "closingElement"],\n aliases: ["JSX", "Immutable", "Expression"],\n fields: {\n
openingElement: {\n validate: (0, _utils.assertNodeType)("JSXOpeningElement")\n },\n closingElement:
{\n optional: true,\n validate: (0, _utils.assertNodeType)("JSXClosingElement")\n },\n children: {\n
validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("JSXText", "JSXExpressionContainer", "JSXSpreadChild", "JSXElement",
"JSXFragment"))\n },\n selfClosing: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional:
true\n }n }n});n(0, _utils.default)("JSXEmptyExpression", {\n aliases: ["JSX"]\n});n(0,
_utils.default)("JSXExpressionContainer", {\n visitor: ["expression"],\n aliases: ["JSX", "Immutable"],\n
fields: {\n expression: {\n validate: (0, _utils.assertNodeType)("Expression", "JSXEmptyExpression")\n
}\n }n});n(0, _utils.default)("JSXSpreadChild", {\n visitor: ["expression"],\n aliases: ["JSX",
"Immutable"],\n fields: {\n expression: {\n validate: (0, _utils.assertNodeType)("Expression")\n }n
}\n});n(0, _utils.default)("JSXIdentifier", {\n builder: ["name"],\n aliases: ["JSX"],\n fields: {\n name: {\n
validate: (0, _utils.assertValueType)("string")\n }n }n});n(0, _utils.default)("JSXMemberExpression", {\n
visitor: ["object", "property"],\n aliases: ["JSX"],\n fields: {\n object: {\n validate: (0,
_utils.assertNodeType)("JSXMemberExpression", "JSXIdentifier")\n },\n property: {\n validate: (0,
_utils.assertNodeType)("JSXIdentifier")\n }n }n});n(0, _utils.default)("JSXNamespacedName", {\n visitor:
["namespace", "name"],\n aliases: ["JSX"],\n fields: {\n namespace: {\n validate: (0,
_utils.assertNodeType)("JSXIdentifier")\n },\n name: {\n validate: (0,
_utils.assertNodeType)("JSXIdentifier")\n }n }n});n(0, _utils.default)("JSXOpeningElement", {\n builder:
["name", "attributes", "selfClosing"],\n visitor: ["name", "attributes"],\n aliases: ["JSX", "Immutable"],\n
fields: {\n name: {\n validate: (0, _utils.assertNodeType)("JSXIdentifier", "JSXMemberExpression",
"JSXNamespacedName")\n },\n selfClosing: {\n default: false\n },\n attributes: {\n validate: (0,
_utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("JSXAttribute", "JSXSpreadAttribute"))\n },\n typeParameters: {\n validate: (0,
_utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),\n optional: true\n
}\n }n});n(0, _utils.default)("JSXSpreadAttribute", {\n visitor: ["argument"],\n aliases: ["JSX"],\n fields: {\n
argument: {\n validate: (0, _utils.assertNodeType)("Expression")\n }n }n});n(0,
_utils.default)("JSXText", {\n aliases: ["JSX", "Immutable"],\n builder: ["value"],\n fields: {\n value: {\n
validate: (0, _utils.assertValueType)("string")\n }n }n});n(0, _utils.default)("JSXFragment", {\n builder:
["openingFragment", "closingFragment", "children"],\n visitor: ["openingFragment", "children",
"closingFragment"],\n aliases: ["JSX", "Immutable", "Expression"],\n fields: {\n openingFragment: {\n
validate: (0, _utils.assertNodeType)("JSXOpeningFragment")\n },\n closingFragment: {\n validate: (0,
_utils.assertNodeType)("JSXClosingFragment")\n },\n children: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("JSXText",
"JSXExpressionContainer", "JSXSpreadChild", "JSXElement", "JSXFragment"))\n }n }n }n});n(0,
_utils.default)("JSXOpeningFragment", {\n aliases: ["JSX", "Immutable"]\n});n(0,
_utils.default)("JSXClosingFragment", {\n aliases: ["JSX", "Immutable"]\n});";";"use strict";\n\nvar _utils =
_interopRequireWildcard(require("./utils"));n\n\nvar _placeholders = require("./placeholders");n\n\nfunction
_getRequireWildcardCache() { if (typeof WeakMap !== "function") return null; var cache = new WeakMap();
_getRequireWildcardCache = function () { return cache; }; return cache; }\n\nfunction
_interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !==
"object" && typeof obj !== "function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if
(cache && cache.has(obj)) { return cache.get(obj); } var newObj = {

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Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }
\n\n(0, _utils.default)(\`Noop\`, {n visitor: []});
\n(0,
_utils.default)(\`Placeholder\`, {n visitor: [],n builder: [\`expectedNode\`, \`name\`],n fields: {n name: {n
validate: (0, _utils.assertNodeType)(\`Identifier\`)\n },n expectedNode: {n validate: (0,
_utils.assertOneOf(..._placeholders.PLACEHOLDERS)\n })\n });
\n(0, _utils.default)(\`V8IntrinsicIdentifier\`,
{n builder: [\`name\`],n fields: {n name: {n validate: (0, _utils.assertValueType)(\`string\`)\n }
\n }});
\n\n\nvar _utils = _interopRequireWildcard(require(\`./utils\`));
\n\nvar _core =
require(\`./core\`);
\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !== \`function\`) return null; var
cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; }; return cache; }
\n\nfunction
_interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !==
\`object\` && typeof obj !== \`function\`) { return { default: obj }; } var cache = _getRequireWildcardCache(); if
(cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor =
Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }
\n\n(0, _utils.default)(\`ArgumentPlaceholder\`, {});
\n(0,
_utils.default)(\`BindExpression\`, {n visitor: [\`object\`, \`callee\`],n aliases: [\`Expression\`],n fields:
!process.env.BABEL_TYPES_8_BREAKING ? {n object: {n validate: Object.assign(() => {}), {n
oneOfNodeTypes: [\`Expression\`]\n })\n },n callee: {n validate: Object.assign(() => {}), {n
oneOfNodeTypes: [\`Expression\`]\n })\n } : {n object: {n validate: (0,
_utils.assertNodeType)(\`Expression\`)\n },n callee: {n validate: (0,
_utils.assertNodeType)(\`Expression\`)\n }
\n });
\n(0, _utils.default)(\`ClassProperty\`, {n visitor: [\`key\`,
\`value\`, \`typeAnnotation\`, \`decorators\`],n builder: [\`key\`, \`value\`, \`typeAnnotation\`, \`decorators\`,
\`computed\`, \`static\`],n aliases: [\`Property\`],n fields: Object.assign({},
_core.classMethodOrPropertyCommon, {n value: {n validate: (0, _utils.assertNodeType)(\`Expression\`),\n
optional: true\n },n definite: {n validate: (0, _utils.assertValueType)(\`boolean\`),\n optional: true\n
},n typeAnnotation: {n validate: (0, _utils.assertNodeType)(\`TypeAnnotation\`, \`TSTypeAnnotation\`,
\`Noop\`),\n optional: true\n },n decorators: {n validate: (0, _utils.chain)((0,
_utils.assertValueType)(\`array\`), (0, _utils.assertEach)((0, _utils.assertNodeType)(\`Decorator\`))),\n optional:
true\n },n readonly: {n validate: (0, _utils.assertValueType)(\`boolean\`),\n optional: true\n },n
declare: {n validate: (0, _utils.assertValueType)(\`boolean\`),\n optional: true\n }
\n });
\n(0,
_utils.default)(\`PipelineTopicExpression\`, {n builder: [\`expression\`],n visitor: [\`expression\`],n fields: {n
expression: {n validate: (0, _utils.assertNodeType)(\`Expression\`)\n }
\n });
\n(0,
_utils.default)(\`PipelineBareFunction\`, {n builder: [\`callee\`],n visitor: [\`callee\`],n fields: {n callee: {n
validate: (0, _utils.assertNodeType)(\`Expression\`)\n }
\n });
\n(0,
_utils.default)(\`PipelinePrimaryTopicReference\`, {n aliases: [\`Expression\`]\n });
\n(0,
_utils.default)(\`ClassPrivateProperty\`, {n visitor: [\`key\`, \`value\`, \`decorators\`],n builder: [\`key\`,
\`value\`, \`decorators\`, \`static\`],n aliases: [\`Property\`, \`Private\`],n fields: {n key: {n validate: (0,
_utils.assertNodeType)(\`PrivateName\`)\n },n value: {n validate: (0,
_utils.assertNodeType)(\`Expression\`),\n optional: true\n },n decorators: {n validate: (0,
_utils.chain)((0, _utils.assertValueType)(\`array\`), (0, _utils.assertEach)((0,
_utils.assertNodeType)(\`Decorator\`))),\n optional: true\n }
\n });
\n(0,
_utils.default)(\`ClassPrivateMethod\`, {n builder: [\`kind\`, \`key\`, \`params\`, \`body\`, \`static\`],n visitor:
[\`key\`, \`params\`, \`body\`, \`decorators\`, \`returnType\`, \`typeParameters\`],n aliases: [\`Function\`,

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\Scopable\, \BlockParent\, \FunctionParent\, \Method\, \Private\),\n fields: Object.assign({,
_core.classMethodOrDeclareMethodCommon, _core.functionTypeAnnotationCommon, {\n key: {\n validate:
(0, _utils.assertNodeType)("PrivateName")\n },\n body: {\n validate: (0,
_utils.assertNodeType)("BlockStatement")\n } }));\n(0, _utils.default)("ImportAttribute", {\n visitor:
["key\","value"],\n fields: {\n key: {\n validate: (0, _utils.assertNodeType)("Identifier", "StringLiteral")\n
},\n value: {\n validate: (0, _utils.assertNodeType)("StringLiteral")\n } }));\n(0,
_utils.default)("Decorator", {\n visitor: ["expression"],\n fields: {\n expression: {\n validate: (0,
_utils.assertNodeType)("Expression")\n } } });\n(0, _utils.default)("DoExpression", {\n visitor:
["body"],\n aliases: ["Expression"],\n fields: {\n body: {\n validate: (0,
_utils.assertNodeType)("BlockStatement")\n } } });\n(0, _utils.default)("ExportDefaultSpecifier", {\n
visitor: ["exported"],\n aliases: ["ModuleSpecifier"],\n fields: {\n exported: {\n validate: (0,
_utils.assertNodeType)("Identifier")\n } } });\n(0, _utils.default)("PrivateName", {\n visitor: ["id"],\n
aliases: ["Private"],\n fields: {\n id: {\n validate: (0, _utils.assertNodeType)("Identifier")\n } } });\n(0,
_utils.default)("RecordExpression", {\n visitor: ["properties"],\n aliases: ["Expression"],\n fields: {\n
properties: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("ObjectProperty", "SpreadElement")))\n } } });\n(0,
_utils.default)("TupleExpression", {\n fields: {\n elements: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Expression",
"SpreadElement")))\n },\n default: []\n },\n visitor: ["elements"],\n aliases: ["Expression"]});\n(0,
_utils.default)("DecimalLiteral", {\n builder: ["value"],\n fields: {\n value: {\n validate: (0,
_utils.assertValueType)("string")\n } } },\n aliases: ["Expression", "Pureish", "Literal",
"Immutable"]});\n(0, _utils.default)("StaticBlock", {\n visitor: ["body"],\n fields: {\n body: {\n validate:
(0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Statement")))\n } } },\n aliases: ["Scopable", "BlockParent"]});";"use
strict";\n\nvar _utils = _interopRequireWildcard(require("./utils")); \n\nvar _core = require("./core"); \n\nfunction
_getRequireWildcardCache() { if (typeof WeakMap !== "function") return null; var cache = new WeakMap();
_getRequireWildcardCache = function () { return cache; }; return cache; } \n\nfunction
_interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !==
"object" && typeof obj !== "function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if
(cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor =
Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; } \n\nconst bool = (0, _utils.assertValueType)("boolean"); \n\nconst
tSFunctionTypeAnnotationCommon = {\n returnType: {\n validate: (0,
_utils.assertNodeType)("TSTypeAnnotation", "Noop"),\n optional: true\n },\n typeParameters: {\n validate:
(0, _utils.assertNodeType)("TSTypeParameterDeclaration", "Noop"),\n optional: true\n } };\n(0,
_utils.default)("TSParameterProperty", {\n aliases: ["LVal"],\n visitor: ["parameter"],\n fields: {\n
accessibility: {\n validate: (0, _utils.assertOneOf)("public", "private", "protected"),\n optional: true\n
},\n readonly: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n },\n parameter:
{\n validate: (0, _utils.assertNodeType)("Identifier", "AssignmentPattern")\n } } });\n(0,
_utils.default)("TSDeclareFunction", {\n aliases: ["Statement", "Declaration"],\n visitor: ["id",
"typeParameters", "params", "returnType"],\n fields: Object.assign({}, _core.functionDeclarationCommon,
tSFunctionTypeAnnotationCommon)\n });\n(0, _utils.default)("TSDeclareMethod", {\n visitor: ["decorators",
"key", "typeParameters", "params", "returnType"],\n fields: Object.assign({},
_core.classMethodOrDeclareMethodCommon, tSFunctionTypeAnnotationCommon)\n });\n(0,
_utils.default)("TSQualifiedName", {\n aliases: ["TSEntityName"],\n visitor: ["left", "right"],\n fields: {\n

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left: (0, _utils.validateType)("TEntityName"),\n  right: (0, _utils.validateType)("Identifier")\n }));\nconst
signatureDeclarationCommon = {\n  typeParameters: (0,
_utils.validateOptionalType)("TTypeParameterDeclaration"),\n  parameters: (0,
_utils.validateArrayOfType)("Identifier", "RestElement"),\n  typeAnnotation: (0,
_utils.validateOptionalType)("TTypeAnnotation")\n});\nconst callConstructSignatureDeclaration = {\n  aliases:
["TTypeElement"],\n  visitor: ["typeParameters", "parameters", "typeAnnotation"],\n  fields:
signatureDeclarationCommon\n};\n(0, _utils.default)("TCallSignatureDeclaration",
callConstructSignatureDeclaration);\n(0, _utils.default)("TSConstructSignatureDeclaration",
callConstructSignatureDeclaration);\nconst namedTypeElementCommon = {\n  key: (0,
_utils.validateType)("Expression"),\n  computed: (0, _utils.validate)(bool),\n  optional: (0,
_utils.validateOptional)(bool)\n};\n(0, _utils.default)("TSPropertySignature", {\n  aliases: ["TTypeElement"],\n
visitor: ["key", "typeAnnotation", "initializer"],\n  fields: Object.assign({}, namedTypeElementCommon, {\n
readonly: (0, _utils.validateOptional)(bool),\n  typeAnnotation: (0,
_utils.validateOptionalType)("TTypeAnnotation"),\n  initializer: (0,
_utils.validateOptionalType)("Expression")\n }));\n(0, _utils.default)("TSMethodSignature", {\n  aliases:
["TTypeElement"],\n  visitor: ["key", "typeParameters", "parameters", "typeAnnotation"],\n  fields:
Object.assign({}, signatureDeclarationCommon, namedTypeElementCommon)\n});\n(0,
_utils.default)("TSIndexSignature", {\n  aliases: ["TTypeElement"],\n  visitor: ["parameters",
"typeAnnotation"],\n  fields: {\n    readonly: (0, _utils.validateOptional)(bool),\n    parameters: (0,
_utils.validateArrayOfType)("Identifier"),\n    typeAnnotation: (0,
_utils.validateOptionalType)("TTypeAnnotation")\n }));\nconst tsKeywordTypes = ["TSAnyKeyword",
"TSBooleanKeyword", "TSBigIntKeyword", "TSIntrinsicKeyword", "TSNeverKeyword",
"TSNullKeyword", "TSNumberKeyword", "TSObjectKeyword", "TSStringKeyword",
"TSSymbolKeyword", "TSUndefinedKeyword", "TSUnknownKeyword", "TSVoidKeyword"];
\nfor (const
type of tsKeywordTypes) {\n  (0, _utils.default)(type, {\n    aliases: ["TSType", "TSBaseType"],\n    visitor: [],\n
fields: {} }\n});\n}\n(0, _utils.default)("TSThisType", {\n  aliases: ["TSType", "TSBaseType"],\n  visitor: [],\n
fields: {} }\n});\nconst fnOrCtr = {\n  aliases: ["TSType"],\n  visitor: ["typeParameters", "parameters",
"typeAnnotation"],\n  fields: signatureDeclarationCommon\n};\n(0, _utils.default)("TSFunctionType",
fnOrCtr);\n(0, _utils.default)("TSConstructorType", fnOrCtr);\n(0, _utils.default)("TSTypeReference", {\n
aliases: ["TSType"],\n  visitor: ["typeName", "typeParameters"],\n  fields: {\n    typeName: (0,
_utils.validateType)("TEntityName"),\n    typeParameters: (0,
_utils.validateOptionalType)("TTypeParameterInstantiation")\n }));\n(0, _utils.default)("TSTypePredicate",
{\n  aliases: ["TSType"],\n  visitor: ["parameterName", "typeAnnotation"],\n  builder: ["parameterName",
"typeAnnotation", "asserts"],\n  fields: {\n    parameterName: (0, _utils.validateType)("Identifier",
"TSThisType"),\n    typeAnnotation: (0, _utils.validateOptionalType)("TTypeAnnotation"),\n    asserts: (0,
_utils.validateOptional)(bool)\n } });\n(0, _utils.default)("TSTypeQuery", {\n  aliases: ["TSType"],\n
visitor: ["exprName"],\n  fields: {\n    exprName: (0, _utils.validateType)("TEntityName", "TSImportType")\n
} });\n(0, _utils.default)("TSTypeLiteral", {\n  aliases: ["TSType"],\n  visitor: ["members"],\n  fields: {\n
members: (0, _utils.validateArrayOfType)("TTypeElement")\n } });\n(0, _utils.default)("TSArrayType", {\n
aliases: ["TSType"],\n  visitor: ["elementType"],\n  fields: {\n    elementType: (0,
_utils.validateType)("TSType")\n } });\n(0, _utils.default)("TSTupleType", {\n  aliases: ["TSType"],\n
visitor: ["elementTypes"],\n  fields: {\n    elementTypes: (0, _utils.validateArrayOfType)("TSType",
"TSNamedTupleMember")\n } });\n(0, _utils.default)("TSOptionalType", {\n  aliases: ["TSType"],\n  visitor:
["typeAnnotation"],\n  fields: {\n    typeAnnotation: (0, _utils.validateType)("TSType")\n } });\n(0,
_utils.default)("TSRestType", {\n  aliases: ["TSType"],\n  visitor: ["typeAnnotation"],\n  fields: {\n
typeAnnotation: (0, _utils.validateType)("TSType")\n } });\n(0, _utils.default)("TSNamedTupleMember", {\n
visitor: ["label", "elementType"],\n  builder: ["label", "elementType", "optional"],\n  fields: {\n    label: (0,
_utils.validateType)("Identifier"),\n    optional: {\n      validate: bool,\n      default: false\n },\n    elementType: (0,

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_utils.validateType)("TSType")\n }n});\nconst unionOrIntersection = {\n aliases: ["TSType"],\n visitor:
["types"],\n fields: {\n types: (0, _utils.validateArrayOfType)("TSType")\n }n});\n(0,
_utils.default)("TSUnionType", unionOrIntersection);\n(0, _utils.default)("TSIntersectionType",
unionOrIntersection);\n(0, _utils.default)("TSConditionalType", {\n aliases: ["TSType"],\n visitor:
["checkType", "extendsType", "trueType", "falseType"],\n fields: {\n checkType: (0,
_utils.validateType)("TSType"),\n extendsType: (0, _utils.validateType)("TSType"),\n trueType: (0,
_utils.validateType)("TSType"),\n falseType: (0, _utils.validateType)("TSType")\n }n});\n(0,
_utils.default)("TSInferType", {\n aliases: ["TSType"],\n visitor: ["typeParameter"],\n fields: {\n
typeParameter: (0, _utils.validateType)("TSTypeParameter")\n }n});\n(0,
_utils.default)("TSParenthesizedType", {\n aliases: ["TSType"],\n visitor: ["typeAnnotation"],\n fields: {\n
typeAnnotation: (0, _utils.validateType)("TSType")\n }n});\n(0, _utils.default)("TSTypeOperator", {\n aliases:
["TSType"],\n visitor: ["typeAnnotation"],\n fields: {\n operator: (0, _utils.validate)((0,
_utils.assertValueType)("string")), \n typeAnnotation: (0, _utils.validateType)("TSType")\n }n});\n(0,
_utils.default)("TSIndexedAccessType", {\n aliases: ["TSType"],\n visitor: ["objectType", "indexType"],\n
fields: {\n objectType: (0, _utils.validateType)("TSType"),\n indexType: (0,
_utils.validateType)("TSType")\n }n});\n(0, _utils.default)("TSMappedType", {\n aliases: ["TSType"],\n
visitor: ["typeParameter", "typeAnnotation", "nameType"],\n fields: {\n readonly: (0,
_utils.validateOptional)(bool),\n typeParameter: (0, _utils.validateType)("TSTypeParameter"),\n optional: (0,
_utils.validateOptional)(bool),\n typeAnnotation: (0, _utils.validateOptionalType)("TSType"),\n nameType: (0,
_utils.validateOptionalType)("TSType")\n }n});\n(0, _utils.default)("TSLiteralType", {\n aliases: ["TSType",
"TSBaseType"],\n visitor: ["literal"],\n fields: {\n literal: (0, _utils.validateType)(["NumericLiteral",
"StringLiteral", "BooleanLiteral", "BigIntLiteral"])\n }n});\n(0,
_utils.default)("TSExpressionWithTypeArguments", {\n aliases: ["TSType"],\n visitor: ["expression",
"typeParameters"],\n fields: {\n expression: (0, _utils.validateType)("TSEntityName"),\n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterInstantiation")\n }n});\n(0,
_utils.default)("TSInterfaceDeclaration", {\n aliases: ["Statement", "Declaration"],\n visitor: ["id",
"typeParameters", "extends", "body"],\n fields: {\n declare: (0, _utils.validateOptional)(bool),\n id: (0,
_utils.validateType)("Identifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterDeclaration"),\n extends: (0, _utils.validateOptional)((0,
_utils.arrayOfType)("TSExpressionWithTypeArguments")), \n body: (0,
_utils.validateType)("TSInterfaceBody")\n }n});\n(0, _utils.default)("TSInterfaceBody", {\n visitor:
["body"],\n fields: {\n body: (0, _utils.validateArrayOfType)("TSTypeElement")\n }n});\n(0,
_utils.default)("TSTypeAliasDeclaration", {\n aliases: ["Statement", "Declaration"],\n visitor: ["id",
"typeParameters", "typeAnnotation"],\n fields: {\n declare: (0, _utils.validateOptional)(bool),\n id: (0,
_utils.validateType)("Identifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterDeclaration"),\n typeAnnotation: (0,
_utils.validateType)("TSType")\n }n});\n(0, _utils.default)("TSAsExpression", {\n aliases: ["Expression"],\n
visitor: ["expression", "typeAnnotation"],\n fields: {\n expression: (0, _utils.validateType)("Expression"),\n
typeAnnotation: (0, _utils.validateType)("TSType")\n }n});\n(0, _utils.default)("TSTypeAssertion", {\n aliases:
["Expression"],\n visitor: ["typeAnnotation", "expression"],\n fields: {\n typeAnnotation: (0,
_utils.validateType)("TSType"),\n expression: (0, _utils.validateType)("Expression")\n }n});\n(0,
_utils.default)("TSEnumDeclaration", {\n aliases: ["Statement", "Declaration"],\n visitor: ["id",
"members"],\n fields: {\n declare: (0, _utils.validateOptional)(bool),\n const: (0,
_utils.validateOptional)(bool),\n id: (0, _utils.validateType)("Identifier"),\n members: (0,
_utils.validateArrayOfType)("TSEnumMember"),\n initializer: (0,
_utils.validateOptionalType)("Expression")\n }n});\n(0, _utils.default)("TSEnumMember", {\n visitor: ["id",
"initializer"],\n fields: {\n id: (0, _utils.validateType)(["Identifier", "StringLiteral"]),\n initializer: (0,
_utils.validateOptionalType)("Expression")\n }n});\n(0, _utils.default)("TSModuleDeclaration", {\n aliases:

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["Statement", "Declaration"],\n visitor: ["id", "body"],\n fields: {\n  declare: (0,
_utils.validateOptional)(bool),\n  global: (0, _utils.validateOptional)(bool),\n  id: (0,
_utils.validateType)(["Identifier", "StringLiteral"]),\n  body: (0, _utils.validateType)(["TModuleBlock",
"TModuleDeclaration"])\n }));\n(0, _utils.default)(["TModuleBlock", {\n aliases: ["Scopable", "Block",
"BlockParent"],\n visitor: ["body"],\n fields: {\n  body: (0, _utils.validateArrayOfType)("Statement")\n
}));\n(0, _utils.default)(["TImportType", {\n aliases: ["TSType"],\n visitor: ["argument", "qualifier",
"typeParameters"],\n fields: {\n  argument: (0, _utils.validateType)("StringLiteral"),\n  qualifier: (0,
_utils.validateOptionalType)("TEntityName"),\n  typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterInstantiation")\n }));\n(0,
_utils.default)(["TImportEqualsDeclaration", {\n aliases: ["Statement"],\n visitor: ["id",
"moduleReference"],\n fields: {\n  isExport: (0, _utils.validate)(bool),\n  id: (0,
_utils.validateType)("Identifier"),\n  moduleReference: (0, _utils.validateType)(["TEntityName",
"TExternalModuleReference"])\n }));\n(0, _utils.default)(["TExternalModuleReference", {\n visitor:
["expression"],\n fields: {\n  expression: (0, _utils.validateType)("StringLiteral")\n }));\n(0,
_utils.default)(["TNonNullExpression", {\n aliases: ["Expression"],\n visitor: ["expression"],\n fields: {\n
expression: (0, _utils.validateType)("Expression")\n }));\n(0, _utils.default)(["TExportAssignment", {\n
aliases: ["Statement"],\n visitor: ["expression"],\n fields: {\n  expression: (0,
_utils.validateType)("Expression")\n }));\n(0, _utils.default)(["TNamespaceExportDeclaration", {\n aliases:
["Statement"],\n visitor: ["id"],\n fields: {\n  id: (0, _utils.validateType)("Identifier")\n }));\n(0,
_utils.default)(["TTypeAnnotation", {\n visitor: ["typeAnnotation"],\n fields: {\n  typeAnnotation: {\n
validate: (0, _utils.assertNodeType)("TSType")\n } }\n }));\n(0,
_utils.default)(["TSTypeParameterInstantiation", {\n visitor: ["params"],\n fields: {\n  params: {\n  validate:
(0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("TSType")))\n } }\n }));\n(0, _utils.default)(["TSTypeParameterDeclaration", {\n
visitor: ["params"],\n fields: {\n  params: {\n  validate: (0, _utils.chain)((0, _utils.assertValueType)("array"),
(0, _utils.assertEach)((0, _utils.assertNodeType)("TSTypeParameter")))\n } }\n }));\n(0,
_utils.default)(["TSTypeParameter", {\n builder: ["constraint", "default", "name"],\n visitor: ["constraint",
"default"],\n fields: {\n  name: {\n  validate: (0, _utils.assertValueType)("string")\n },\n  constraint: {\n
validate: (0, _utils.assertNodeType)("TSType"),\n  optional: true\n },\n  default: {\n  validate: (0,
_utils.assertNodeType)("TSType"),\n  optional: true\n } }\n }));\n"use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true});\n\nexports.default =
assertNode;\n\nvar _isNode = _interopRequireDefault(require("../validators/isNode"));;\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction
assertNode(node) {\n  if (!(0, _isNode.default)(node)) {\n    var _node$type;\n\n    const type = (_node$type = node
== null ? void 0 : node.type) != null ? _node$type : JSON.stringify(node);\n    throw new TypeError(`Not a valid
node of type "${type}"`);\n  }\n  };\n  "use strict";\n\nObject.defineProperty(exports, "__esModule", {\n value:
true});\n\nexports.assertArrayExpression = assertArrayExpression;\n\nexports.assertAssignmentExpression =
assertAssignmentExpression;\n\nexports.assertBinaryExpression =
assertBinaryExpression;\n\nexports.assertInterpreterDirective = assertInterpreterDirective;\n\nexports.assertDirective =
assertDirective;\n\nexports.assertDirectiveLiteral = assertDirectiveLiteral;\n\nexports.assertBlockStatement =
assertBlockStatement;\n\nexports.assertBreakStatement = assertBreakStatement;\n\nexports.assertCallExpression =
assertCallExpression;\n\nexports.assertCatchClause = assertCatchClause;\n\nexports.assertConditionalExpression =
assertConditionalExpression;\n\nexports.assertContinueStatement =
assertContinueStatement;\n\nexports.assertDebuggerStatement =
assertDebuggerStatement;\n\nexports.assertDoWhileStatement =
assertDoWhileStatement;\n\nexports.assertEmptyStatement =
assertEmptyStatement;\n\nexports.assertExpressionStatement = assertExpressionStatement;\n\nexports.assertFile =
assertFile;\n\nexports.assertForInStatement = assertForInStatement;\n\nexports.assertForStatement =

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assertForStatement;\nexports.assertFunctionDeclaration =
assertFunctionDeclaration;\nexports.assertFunctionExpression = assertFunctionExpression;\nexports.assertIdentifier
= assertIdentifier;\nexports.assertIfStatement = assertIfStatement;\nexports.assertLabeledStatement =
assertLabeledStatement;\nexports.assertStringLiteral = assertStringLiteral;\nexports.assertNumericLiteral =
assertNumericLiteral;\nexports.assertNullLiteral = assertNullLiteral;\nexports.assertBooleanLiteral =
assertBooleanLiteral;\nexports.assertRegExpLiteral = assertRegExpLiteral;\nexports.assertLogicalExpression =
assertLogicalExpression;\nexports.assertMemberExpression =
assertMemberExpression;\nexports.assertNewExpression = assertNewExpression;\nexports.assertProgram =
assertProgram;\nexports.assertObjectExpression = assertObjectExpression;\nexports.assertObjectMethod =
assertObjectMethod;\nexports.assertObjectProperty = assertObjectProperty;\nexports.assertRestElement =
assertRestElement;\nexports.assertReturnStatement = assertReturnStatement;\nexports.assertSequenceExpression =
assertSequenceExpression;\nexports.assertParenthesizedExpression =
assertParenthesizedExpression;\nexports.assertSwitchCase = assertSwitchCase;\nexports.assertSwitchStatement =
assertSwitchStatement;\nexports.assertThisExpression = assertThisExpression;\nexports.assertThrowStatement =
assertThrowStatement;\nexports.assertTryStatement = assertTryStatement;\nexports.assertUnaryExpression =
assertUnaryExpression;\nexports.assertUpdateExpression =
assertUpdateExpression;\nexports.assertVariableDeclaration =
assertVariableDeclaration;\nexports.assertVariableDeclarator =
assertVariableDeclarator;\nexports.assertWhileStatement = assertWhileStatement;\nexports.assertWithStatement =
assertWithStatement;\nexports.assertAssignmentPattern = assertAssignmentPattern;\nexports.assertArrayPattern =
assertArrayPattern;\nexports.assertArrowFunctionExpression =
assertArrowFunctionExpression;\nexports.assertClassBody = assertClassBody;\nexports.assertClassExpression =
assertClassExpression;\nexports.assertClassDeclaration =
assertClassDeclaration;\nexports.assertExportAllDeclaration =
assertExportAllDeclaration;\nexports.assertExportDefaultDeclaration =
assertExportDefaultDeclaration;\nexports.assertExportNamedDeclaration =
assertExportNamedDeclaration;\nexports.assertExportSpecifier =
assertExportSpecifier;\nexports.assertForOfStatement = assertForOfStatement;\nexports.assertImportDeclaration =
assertImportDeclaration;\nexports.assertImportDefaultSpecifier =
assertImportDefaultSpecifier;\nexports.assertImportNamespaceSpecifier =
assertImportNamespaceSpecifier;\nexports.assertImportSpecifier =
assertImportSpecifier;\nexports.assertMetaProperty = assertMetaProperty;\nexports.assertClassMethod =
assertClassMethod;\nexports.assertObjectPattern = assertObjectPattern;\nexports.assertSpreadElement =
assertSpreadElement;\nexports.assertSuper = assertSuper;\nexports.assertTaggedTemplateExpression =
assertTaggedTemplateExpression;\nexports.assertTemplateElement =
assertTemplateElement;\nexports.assertTemplateLiteral = assertTemplateLiteral;\nexports.assertYieldExpression =
assertYieldExpression;\nexports.assertAwaitExpression = assertAwaitExpression;\nexports.assertImport =
assertImport;\nexports.assertBigIntLiteral = assertBigIntLiteral;\nexports.assertExportNamespaceSpecifier =
assertExportNamespaceSpecifier;\nexports.assertOptionalMemberExpression =
assertOptionalMemberExpression;\nexports.assertOptionalCallExpression =
assertOptionalCallExpression;\nexports.assertAnyTypeAnnotation =
assertAnyTypeAnnotation;\nexports.assertArrayTypeAnnotation =
assertArrayTypeAnnotation;\nexports.assertBooleanTypeAnnotation =
assertBooleanTypeAnnotation;\nexports.assertBooleanLiteralTypeAnnotation =
assertBooleanLiteralTypeAnnotation;\nexports.assertNullLiteralTypeAnnotation =
assertNullLiteralTypeAnnotation;\nexports.assertClassImplements =
assertClassImplements;\nexports.assertDeclareClass = assertDeclareClass;\nexports.assertDeclareFunction =
assertDeclareFunction;\nexports.assertDeclareInterface = assertDeclareInterface;\nexports.assertDeclareModule =

assertDeclareModule;\nexports.assertDeclareModuleExports =
assertDeclareModuleExports;\nexports.assertDeclareTypeAlias =
assertDeclareTypeAlias;\nexports.assertDeclareOpaqueType =
assertDeclareOpaqueType;\nexports.assertDeclareVariable =
assertDeclareVariable;\nexports.assertDeclareExportDeclaration =
assertDeclareExportDeclaration;\nexports.assertDeclareExportAllDeclaration =
assertDeclareExportAllDeclaration;\nexports.assertDeclaredPredicate =
assertDeclaredPredicate;\nexports.assertExistsTypeAnnotation =
assertExistsTypeAnnotation;\nexports.assertFunctionTypeAnnotation =
assertFunctionTypeAnnotation;\nexports.assertFunctionTypeParam =
assertFunctionTypeParam;\nexports.assertGenericTypeAnnotation =
assertGenericTypeAnnotation;\nexports.assertInferredPredicate =
assertInferredPredicate;\nexports.assertInterfaceExtends =
assertInterfaceExtends;\nexports.assertInterfaceDeclaration =
assertInterfaceDeclaration;\nexports.assertInterfaceTypeAnnotation =
assertInterfaceTypeAnnotation;\nexports.assertIntersectionTypeAnnotation =
assertIntersectionTypeAnnotation;\nexports.assertMixedTypeAnnotation =
assertMixedTypeAnnotation;\nexports.assertEmptyTypeAnnotation =
assertEmptyTypeAnnotation;\nexports.assertNullableTypeAnnotation =
assertNullableTypeAnnotation;\nexports.assertNumberLiteralTypeAnnotation =
assertNumberLiteralTypeAnnotation;\nexports.assertNumberTypeAnnotation =
assertNumberTypeAnnotation;\nexports.assertObjectTypeAnnotation =
assertObjectTypeAnnotation;\nexports.assertObjectTypeInternalSlot =
assertObjectTypeInternalSlot;\nexports.assertObjectTypeCallProperty =
assertObjectTypeCallProperty;\nexports.assertObjectTypeIndexer =
assertObjectTypeIndexer;\nexports.assertObjectTypeProperty =
assertObjectTypeProperty;\nexports.assertObjectTypeSpreadProperty =
assertObjectTypeSpreadProperty;\nexports.assertOpaqueType =
assertOpaqueType;\nexports.assertQualifiedTypeIdentifier =
assertQualifiedTypeIdentifier;\nexports.assertStringLiteralTypeAnnotation =
assertStringLiteralTypeAnnotation;\nexports.assertStringTypeAnnotation =
assertStringTypeAnnotation;\nexports.assertSymbolTypeAnnotation =
assertSymbolTypeAnnotation;\nexports.assertThisTypeAnnotation =
assertThisTypeAnnotation;\nexports.assertTupleTypeAnnotation =
assertTupleTypeAnnotation;\nexports.assertTypeofTypeAnnotation =
assertTypeofTypeAnnotation;\nexports.assertTypeAlias = assertTypeAlias;\nexports.assertTypeAnnotation =
assertTypeAnnotation;\nexports.assertTypeCastExpression =
assertTypeCastExpression;\nexports.assertTypeParameter =
assertTypeParameter;\nexports.assertTypeParameterDeclaration =
assertTypeParameterDeclaration;\nexports.assertTypeParameterInstantiation =
assertTypeParameterInstantiation;\nexports.assertUnionTypeAnnotation =
assertUnionTypeAnnotation;\nexports.assertVariance = assertVariance;\nexports.assertVoidTypeAnnotation =
assertVoidTypeAnnotation;\nexports.assertEnumDeclaration =
assertEnumDeclaration;\nexports.assertEnumBooleanBody =
assertEnumBooleanBody;\nexports.assertEnumNumberBody =
assertEnumNumberBody;\nexports.assertEnumStringBody =
assertEnumStringBody;\nexports.assertEnumSymbolBody =
assertEnumSymbolBody;\nexports.assertEnumBooleanMember =

assertEnumBooleanMember;\nexports.assertEnumNumberMember =
assertEnumNumberMember;\nexports.assertEnumStringMember =
assertEnumStringMember;\nexports.assertEnumDefaultedMember =
assertEnumDefaultedMember;\nexports.assertJSXAttribute =
assertJSXAttribute;\nexports.assertJSXClosingElement = assertJSXClosingElement;\nexports.assertJSXElement =
assertJSXElement;\nexports.assertJSXEmptyExpression =
assertJSXEmptyExpression;\nexports.assertJSXExpressionContainer =
assertJSXExpressionContainer;\nexports.assertJSXSpreadChild =
assertJSXSpreadChild;\nexports.assertJSXIdentifier = assertJSXIdentifier;\nexports.assertJSXMemberExpression =
assertJSXMemberExpression;\nexports.assertJSXNamespacedName =
assertJSXNamespacedName;\nexports.assertJSXOpeningElement =
assertJSXOpeningElement;\nexports.assertJSXSpreadAttribute = assertJSXSpreadAttribute;\nexports.assertJSXText =
assertJSXText;\nexports.assertJSXFragment = assertJSXFragment;\nexports.assertJSXOpeningFragment =
assertJSXOpeningFragment;\nexports.assertJSXClosingFragment =
assertJSXClosingFragment;\nexports.assertNoop = assertNoop;\nexports.assertPlaceholder =
assertPlaceholder;\nexports.assertV8IntrinsicIdentifier =
assertV8IntrinsicIdentifier;\nexports.assertArgumentPlaceholder =
assertArgumentPlaceholder;\nexports.assertBindExpression = assertBindExpression;\nexports.assertClassProperty =
assertClassProperty;\nexports.assertPipelineTopicExpression =
assertPipelineTopicExpression;\nexports.assertPipelineBareFunction =
assertPipelineBareFunction;\nexports.assertPipelinePrimaryTopicReference =
assertPipelinePrimaryTopicReference;\nexports.assertClassPrivateProperty =
assertClassPrivateProperty;\nexports.assertClassPrivateMethod =
assertClassPrivateMethod;\nexports.assertImportAttribute = assertImportAttribute;\nexports.assertDecorator =
assertDecorator;\nexports.assertDoExpression = assertDoExpression;\nexports.assertExportDefaultSpecifier =
assertExportDefaultSpecifier;\nexports.assertPrivateName = assertPrivateName;\nexports.assertRecordExpression =
assertRecordExpression;\nexports.assertTupleExpression = assertTupleExpression;\nexports.assertDecimalLiteral =
assertDecimalLiteral;\nexports.assertStaticBlock = assertStaticBlock;\nexports.assertTSParameterProperty =
assertTSParameterProperty;\nexports.assertTSDeclareFunction =
assertTSDeclareFunction;\nexports.assertTSDeclareMethod =
assertTSDeclareMethod;\nexports.assertTSQualifiedName =
assertTSQualifiedName;\nexports.assertTSCallSignatureDeclaration =
assertTSCallSignatureDeclaration;\nexports.assertTSConstructSignatureDeclaration =
assertTSConstructSignatureDeclaration;\nexports.assertTSPropertySignature =
assertTSPropertySignature;\nexports.assertTSMethodSignature =
assertTSMethodSignature;\nexports.assertTSIndexSignature =
assertTSIndexSignature;\nexports.assertTSAnyKeyword =
assertTSAnyKeyword;\nexports.assertTSBooleanKeyword =
assertTSBooleanKeyword;\nexports.assertTSBigIntKeyword =
assertTSBigIntKeyword;\nexports.assertTSIntrinsicKeyword =
assertTSIntrinsicKeyword;\nexports.assertTSNeverKeyword =
assertTSNeverKeyword;\nexports.assertTSNullKeyword =
assertTSNullKeyword;\nexports.assertTSNumberKeyword =
assertTSNumberKeyword;\nexports.assertTSObjectKeyword =
assertTSObjectKeyword;\nexports.assertTSStringKeyword =
assertTSStringKeyword;\nexports.assertTSSymbolKeyword =
assertTSSymbolKeyword;\nexports.assertTSUndefinedKeyword =
assertTSUndefinedKeyword;\nexports.assertTSUnknownKeyword =

assertTSUnknownKeyword;\nexports.assertTSVoidKeyword = assertTSVoidKeyword;\nexports.assertTSThisType = assertTSThisType;\nexports.assertTSFunctionType = assertTSFunctionType;\nexports.assertTSConstructorType = assertTSConstructorType;\nexports.assertTSTypeReference = assertTSTypeReference;\nexports.assertTSTypePredicate = assertTSTypePredicate;\nexports.assertTSTypeQuery = assertTSTypeQuery;\nexports.assertTSTypeLiteral = assertTSTypeLiteral;\nexports.assertTSArrayType = assertTSArrayType;\nexports.assertTSTupleType = assertTSTupleType;\nexports.assertTSOptionalType = assertTSOptionalType;\nexports.assertTSRestType = assertTSRestType;\nexports.assertTSNamedTupleMember = assertTSNamedTupleMember;\nexports.assertTSUnionType = assertTSUnionType;\nexports.assertTSIntersectionType = assertTSIntersectionType;\nexports.assertTSConditionalType = assertTSConditionalType;\nexports.assertTSInferType = assertTSInferType;\nexports.assertTSParenthesizedType = assertTSParenthesizedType;\nexports.assertTSTypeOperator = assertTSTypeOperator;\nexports.assertTSIndexedAccessType = assertTSIndexedAccessType;\nexports.assertTSMappedType = assertTSMappedType;\nexports.assertTSLiteralType = assertTSLiteralType;\nexports.assertTSExpressionWithTypeArguments = assertTSExpressionWithTypeArguments;\nexports.assertTSInterfaceDeclaration = assertTSInterfaceDeclaration;\nexports.assertTSInterfaceBody = assertTSInterfaceBody;\nexports.assertTSTypeAliasDeclaration = assertTSTypeAliasDeclaration;\nexports.assertTSAsExpression = assertTSAsExpression;\nexports.assertTSTypeAssertion = assertTSTypeAssertion;\nexports.assertTSEnumDeclaration = assertTSEnumDeclaration;\nexports.assertTSEnumMember = assertTSEnumMember;\nexports.assertTSModuleDeclaration = assertTSModuleDeclaration;\nexports.assertTSModuleBlock = assertTSModuleBlock;\nexports.assertTSImportType = assertTSImportType;\nexports.assertTSImportEqualsDeclaration = assertTSImportEqualsDeclaration;\nexports.assertTSExternalModuleReference = assertTSExternalModuleReference;\nexports.assertTSNonNullExpression = assertTSNonNullExpression;\nexports.assertTSExportAssignment = assertTSExportAssignment;\nexports.assertTSNamespaceExportDeclaration = assertTSNamespaceExportDeclaration;\nexports.assertTSTypeAnnotation = assertTSTypeAnnotation;\nexports.assertTSTypeParameterInstantiation = assertTSTypeParameterInstantiation;\nexports.assertTSTypeParameterDeclaration = assertTSTypeParameterDeclaration;\nexports.assertTSTypeParameter = assertTSTypeParameter;\nexports.assertExpression = assertExpression;\nexports.assertBinary = assertBinary;\nexports.assertScopable = assertScopable;\nexports.assertBlockParent = assertBlockParent;\nexports.assertBlock = assertBlock;\nexports.assertStatement = assertStatement;\nexports.assertTerminatorless = assertTerminatorless;\nexports.assertCompletionStatement = assertCompletionStatement;\nexports.assertConditional = assertConditional;\nexports.assertLoop = assertLoop;\nexports.assertWhile = assertWhile;\nexports.assertExpressionWrapper = assertExpressionWrapper;\nexports.assertFor = assertFor;\nexports.assertForXStatement = assertForXStatement;\nexports.assertFunction = assertFunction;\nexports.assertFunctionParent = assertFunctionParent;\nexports.assertPureish = assertPureish;\nexports.assertDeclaration = assertDeclaration;\nexports.assertPatternLike = assertPatternLike;\nexports.assertLVal = assertLVal;\nexports.assertTSEntityName = assertTSEntityName;\nexports.assertLiteral = assertLiteral;\nexports.assertImmutable = assertImmutable;\nexports.assertUserWhitespacable = assertUserWhitespacable;\nexports.assertMethod = assertMethod;\nexports.assertObjectMember =

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assertObjectMember;\nextports.assertProperty = assertProperty;\nextports.assertUnaryLike =
assertUnaryLike;\nextports.assertPattern = assertPattern;\nextports.assertClass =
assertClass;\nextports.assertModuleDeclaration = assertModuleDeclaration;\nextports.assertExportDeclaration =
assertExportDeclaration;\nextports.assertModuleSpecifier = assertModuleSpecifier;\nextports.assertFlow =
assertFlow;\nextports.assertFlowType = assertFlowType;\nextports.assertFlowBaseAnnotation =
assertFlowBaseAnnotation;\nextports.assertFlowDeclaration = assertFlowDeclaration;\nextports.assertFlowPredicate
= assertFlowPredicate;\nextports.assertEnumBody = assertEnumBody;\nextports.assertEnumMember =
assertEnumMember;\nextports.assertJSX = assertJSX;\nextports.assertPrivate =
assertPrivate;\nextports.assertTSTypeElement = assertTSTypeElement;\nextports.assertTSType =
assertTSType;\nextports.assertTSBaseType = assertTSBaseType;\nextports.assertNumberLiteral =
assertNumberLiteral;\nextports.assertRegexLiteral = assertRegexLiteral;\nextports.assertRestProperty =
assertRestProperty;\nextports.assertSpreadProperty = assertSpreadProperty;\n\nvar _is =
_interopRequireDefault(require(\"../validators/is\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction assert(type, node, opts) {\n  if (!(0, _is.default)(type, node,
opts)) {\n    throw new Error(`Expected type \"${type}\" with option ${JSON.stringify(opts)}, ` + `but instead got
\"${node.type}\"`);\n  }\n}\n\nfunction assertArrayExpression(node, opts = {}) {\n  assert(\"ArrayExpression\",
node, opts);\n}\n\nfunction assertAssignmentExpression(node, opts = {}) {\n  assert(\"AssignmentExpression\",
node, opts);\n}\n\nfunction assertBinaryExpression(node, opts = {}) {\n  assert(\"BinaryExpression\", node,
opts);\n}\n\nfunction assertInterpreterDirective(node, opts = {}) {\n  assert(\"InterpreterDirective\", node,
opts);\n}\n\nfunction assertDirective(node, opts = {}) {\n  assert(\"Directive\", node, opts);\n}\n\nfunction
assertDirectiveLiteral(node, opts = {}) {\n  assert(\"DirectiveLiteral\", node, opts);\n}\n\nfunction
assertBlockStatement(node, opts = {}) {\n  assert(\"BlockStatement\", node, opts);\n}\n\nfunction
assertBreakStatement(node, opts = {}) {\n  assert(\"BreakStatement\", node, opts);\n}\n\nfunction
assertCallExpression(node, opts = {}) {\n  assert(\"CallExpression\", node, opts);\n}\n\nfunction
assertCatchClause(node, opts = {}) {\n  assert(\"CatchClause\", node, opts);\n}\n\nfunction
assertConditionalExpression(node, opts = {}) {\n  assert(\"ConditionalExpression\", node, opts);\n}\n\nfunction
assertContinueStatement(node, opts = {}) {\n  assert(\"ContinueStatement\", node, opts);\n}\n\nfunction
assertDebuggerStatement(node, opts = {}) {\n  assert(\"DebuggerStatement\", node, opts);\n}\n\nfunction
assertDoWhileStatement(node, opts = {}) {\n  assert(\"DoWhileStatement\", node, opts);\n}\n\nfunction
assertEmptyStatement(node, opts = {}) {\n  assert(\"EmptyStatement\", node, opts);\n}\n\nfunction
assertExpressionStatement(node, opts = {}) {\n  assert(\"ExpressionStatement\", node, opts);\n}\n\nfunction
assertFile(node, opts = {}) {\n  assert(\"File\", node, opts);\n}\n\nfunction assertForInStatement(node, opts = {}) {\n
assert(\"ForInStatement\", node, opts);\n}\n\nfunction assertForStatement(node, opts = {}) {\n
assert(\"ForStatement\", node, opts);\n}\n\nfunction assertFunctionDeclaration(node, opts = {}) {\n
assert(\"FunctionDeclaration\", node, opts);\n}\n\nfunction assertFunctionExpression(node, opts = {}) {\n
assert(\"FunctionExpression\", node, opts);\n}\n\nfunction assertIdentifier(node, opts = {}) {\n
assert(\"Identifier\", node, opts);\n}\n\nfunction assertIfStatement(node, opts = {}) {\n
assert(\"IfStatement\", node, opts);\n}\n\nfunction assertLabeledStatement(node, opts = {}) {\n
assert(\"LabeledStatement\", node, opts);\n}\n\nfunction assertStringLiteral(node, opts = {}) {\n
assert(\"StringLiteral\", node, opts);\n}\n\nfunction
assertNumericLiteral(node, opts = {}) {\n  assert(\"NumericLiteral\", node, opts);\n}\n\nfunction
assertNullLiteral(node, opts = {}) {\n  assert(\"NullLiteral\", node, opts);\n}\n\nfunction
assertBooleanLiteral(node, opts = {}) {\n  assert(\"BooleanLiteral\", node, opts);\n}\n\nfunction
assertRegExpLiteral(node, opts = {}) {\n  assert(\"RegExpLiteral\", node, opts);\n}\n\nfunction
assertLogicalExpression(node, opts = {}) {\n  assert(\"LogicalExpression\", node, opts);\n}\n\nfunction
assertMemberExpression(node, opts = {}) {\n  assert(\"MemberExpression\", node, opts);\n}\n\nfunction
assertNewExpression(node, opts = {}) {\n  assert(\"NewExpression\", node, opts);\n}\n\nfunction
assertProgram(node, opts = {}) {\n  assert(\"Program\", node,
opts);\n}\n\nfunction assertObjectExpression(node, opts = {}) {\n  assert(\"ObjectExpression\", node,
opts);\n}\n\nfunction assertObjectMethod(node, opts = {}) {\n  assert(\"ObjectMethod\", node, opts);\n}\n\nfunction

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assertObjectProperty(node, opts = {}) {\n assert(\\"ObjectProperty\\", node, opts);\n}\n\nfunction
assertRestElement(node, opts = {}) {\n assert(\\"RestElement\\", node, opts);\n}\n\nfunction
assertReturnStatement(node, opts = {}) {\n assert(\\"ReturnStatement\\", node, opts);\n}\n\nfunction
assertSequenceExpression(node, opts = {}) {\n assert(\\"SequenceExpression\\", node, opts);\n}\n\nfunction
assertParenthesizedExpression(node, opts = {}) {\n assert(\\"ParenthesizedExpression\\", node, opts);\n}\n\nfunction
assertSwitchCase(node, opts = {}) {\n assert(\\"SwitchCase\\", node, opts);\n}\n\nfunction
assertSwitchStatement(node, opts = {}) {\n assert(\\"SwitchStatement\\", node, opts);\n}\n\nfunction
assertThisExpression(node, opts = {}) {\n assert(\\"ThisExpression\\", node, opts);\n}\n\nfunction
assertThrowStatement(node, opts = {}) {\n assert(\\"ThrowStatement\\", node, opts);\n}\n\nfunction
assertTryStatement(node, opts = {}) {\n assert(\\"TryStatement\\", node, opts);\n}\n\nfunction
assertUnaryExpression(node, opts = {}) {\n assert(\\"UnaryExpression\\", node, opts);\n}\n\nfunction
assertUpdateExpression(node, opts = {}) {\n assert(\\"UpdateExpression\\", node, opts);\n}\n\nfunction
assertVariableDeclaration(node, opts = {}) {\n assert(\\"VariableDeclaration\\", node, opts);\n}\n\nfunction
assertVariableDeclarator(node, opts = {}) {\n assert(\\"VariableDeclarator\\", node, opts);\n}\n\nfunction
assertWhileStatement(node, opts = {}) {\n assert(\\"WhileStatement\\", node, opts);\n}\n\nfunction
assertWithStatement(node, opts = {}) {\n assert(\\"WithStatement\\", node, opts);\n}\n\nfunction
assertAssignmentPattern(node, opts = {}) {\n assert(\\"AssignmentPattern\\", node, opts);\n}\n\nfunction
assertArrayPattern(node, opts = {}) {\n assert(\\"ArrayPattern\\", node, opts);\n}\n\nfunction
assertArrowFunctionExpression(node, opts = {}) {\n assert(\\"ArrowFunctionExpression\\", node,
opts);\n}\n\nfunction assertClassBody(node, opts = {}) {\n assert(\\"ClassBody\\", node, opts);\n}\n\nfunction
assertClassExpression(node, opts = {}) {\n assert(\\"ClassExpression\\", node, opts);\n}\n\nfunction
assertClassDeclaration(node, opts = {}) {\n assert(\\"ClassDeclaration\\", node, opts);\n}\n\nfunction
assertExportAllDeclaration(node, opts = {}) {\n assert(\\"ExportAllDeclaration\\", node, opts);\n}\n\nfunction
assertExportDefaultDeclaration(node, opts = {}) {\n assert(\\"ExportDefaultDeclaration\\", node,
opts);\n}\n\nfunction assertExportNamedDeclaration(node, opts = {}) {\n assert(\\"ExportNamedDeclaration\\",
node, opts);\n}\n\nfunction assertExportSpecifier(node, opts = {}) {\n assert(\\"ExportSpecifier\\", node,
opts);\n}\n\nfunction assertForOfStatement(node, opts = {}) {\n assert(\\"ForOfStatement\\", node,
opts);\n}\n\nfunction assertImportDeclaration(node, opts = {}) {\n assert(\\"ImportDeclaration\\", node,
opts);\n}\n\nfunction assertImportDefaultSpecifier(node, opts = {}) {\n assert(\\"ImportDefaultSpecifier\\", node,
opts);\n}\n\nfunction assertImportNamespaceSpecifier(node, opts = {}) {\n assert(\\"ImportNamespaceSpecifier\\",
node, opts);\n}\n\nfunction assertImportSpecifier(node, opts = {}) {\n assert(\\"ImportSpecifier\\", node,
opts);\n}\n\nfunction assertMetaProperty(node, opts = {}) {\n assert(\\"MetaProperty\\", node, opts);\n}\n\nfunction
assertClassMethod(node, opts = {}) {\n assert(\\"ClassMethod\\", node, opts);\n}\n\nfunction
assertObjectPattern(node, opts = {}) {\n assert(\\"ObjectPattern\\", node, opts);\n}\n\nfunction
assertSpreadElement(node, opts = {}) {\n assert(\\"SpreadElement\\", node, opts);\n}\n\nfunction assertSuper(node,
opts = {}) {\n assert(\\"Super\\", node, opts);\n}\n\nfunction assertTaggedTemplateExpression(node, opts = {}) {\n
assert(\\"TaggedTemplateExpression\\", node, opts);\n}\n\nfunction assertTemplateElement(node, opts = {}) {\n
assert(\\"TemplateElement\\", node, opts);\n}\n\nfunction assertTemplateLiteral(node, opts = {}) {\n
assert(\\"TemplateLiteral\\", node, opts);\n}\n\nfunction assertYieldExpression(node, opts = {}) {\n
assert(\\"YieldExpression\\", node, opts);\n}\n\nfunction assertAwaitExpression(node, opts = {}) {\n
assert(\\"AwaitExpression\\", node, opts);\n}\n\nfunction assertImport(node, opts = {}) {\n assert(\\"Import\\", node,
opts);\n}\n\nfunction assertBigIntLiteral(node, opts = {}) {\n assert(\\"BigIntLiteral\\", node, opts);\n}\n\nfunction
assertExportNamespaceSpecifier(node, opts = {}) {\n assert(\\"ExportNamespaceSpecifier\\", node,
opts);\n}\n\nfunction assertOptionalMemberExpression(node, opts = {}) {\n assert(\\"OptionalMemberExpression\\",
node, opts);\n}\n\nfunction assertOptionalCallExpression(node, opts = {}) {\n assert(\\"OptionalCallExpression\\",
node, opts);\n}\n\nfunction assertAnyTypeAnnotation(node, opts = {}) {\n assert(\\"AnyTypeAnnotation\\", node,
opts);\n}\n\nfunction assertArrayTypeAnnotation(node, opts = {}) {\n assert(\\"ArrayTypeAnnotation\\", node,
opts);\n}\n\nfunction assertBooleanTypeAnnotation(node, opts = {}) {\n assert(\\"BooleanTypeAnnotation\\", node,

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opts);\n}\n\nfunction assertBooleanLiteralTypeAnnotation(node, opts = {}) {\n
assert("BooleanLiteralTypeAnnotation", node, opts);\n}\n\nfunction assertNullLiteralTypeAnnotation(node, opts =
{}) {\n  assert("NullLiteralTypeAnnotation", node, opts);\n}\n\nfunction assertClassImplements(node, opts = {})
{\n  assert("ClassImplements", node, opts);\n}\n\nfunction assertDeclareClass(node, opts = {}) {\n
assert("DeclareClass", node, opts);\n}\n\nfunction assertDeclareFunction(node, opts = {}) {\n
assert("DeclareFunction", node, opts);\n}\n\nfunction assertDeclareInterface(node, opts = {}) {\n
assert("DeclareInterface", node, opts);\n}\n\nfunction assertDeclareModule(node, opts = {}) {\n
assert("DeclareModule", node, opts);\n}\n\nfunction assertDeclareModuleExports(node, opts = {}) {\n
assert("DeclareModuleExports", node, opts);\n}\n\nfunction assertDeclareTypeAlias(node, opts = {}) {\n
assert("DeclareTypeAlias", node, opts);\n}\n\nfunction assertDeclareOpaqueType(node, opts = {}) {\n
assert("DeclareOpaqueType", node, opts);\n}\n\nfunction assertDeclareVariable(node, opts = {}) {\n
assert("DeclareVariable", node, opts);\n}\n\nfunction assertDeclareExportDeclaration(node, opts = {}) {\n
assert("DeclareExportDeclaration", node, opts);\n}\n\nfunction assertDeclareExportAllDeclaration(node, opts =
{}) {\n  assert("DeclareExportAllDeclaration", node, opts);\n}\n\nfunction assertDeclaredPredicate(node, opts =
{}) {\n  assert("DeclaredPredicate", node, opts);\n}\n\nfunction assertExistsTypeAnnotation(node, opts = {}) {\n
assert("ExistsTypeAnnotation", node, opts);\n}\n\nfunction assertFunctionTypeAnnotation(node, opts = {}) {\n
assert("FunctionTypeAnnotation", node, opts);\n}\n\nfunction assertFunctionTypeParam(node, opts = {}) {\n
assert("FunctionTypeParam", node, opts);\n}\n\nfunction assertGenericTypeAnnotation(node, opts = {}) {\n
assert("GenericTypeAnnotation", node, opts);\n}\n\nfunction assertInferredPredicate(node, opts = {}) {\n
assert("InferredPredicate", node, opts);\n}\n\nfunction assertInterfaceExtends(node, opts = {}) {\n
assert("InterfaceExtends", node, opts);\n}\n\nfunction assertInterfaceDeclaration(node, opts = {}) {\n
assert("InterfaceDeclaration", node, opts);\n}\n\nfunction assertInterfaceTypeAnnotation(node, opts = {}) {\n
assert("InterfaceTypeAnnotation", node, opts);\n}\n\nfunction assertIntersectionTypeAnnotation(node, opts = {})
{\n  assert("IntersectionTypeAnnotation", node, opts);\n}\n\nfunction assertMixedTypeAnnotation(node, opts =
{}) {\n  assert("MixedTypeAnnotation", node, opts);\n}\n\nfunction assertEmptyTypeAnnotation(node, opts = {})
{\n  assert("EmptyTypeAnnotation", node, opts);\n}\n\nfunction assertNullableTypeAnnotation(node, opts = {})
{\n  assert("NullableTypeAnnotation", node, opts);\n}\n\nfunction assertNumberLiteralTypeAnnotation(node, opts
= {}) {\n  assert("NumberLiteralTypeAnnotation", node, opts);\n}\n\nfunction
assertNumberTypeAnnotation(node, opts = {}) {\n  assert("NumberTypeAnnotation", node, opts);\n}\n\nfunction
assertObjectTypeAnnotation(node, opts = {}) {\n  assert("ObjectTypeAnnotation", node, opts);\n}\n\nfunction
assertObjectTypeInternalSlot(node, opts = {}) {\n  assert("ObjectTypeInternalSlot", node, opts);\n}\n\nfunction
assertObjectTypeCallProperty(node, opts = {}) {\n  assert("ObjectTypeCallProperty", node, opts);\n}\n\nfunction
assertObjectTypeIndexer(node, opts = {}) {\n  assert("ObjectTypeIndexer", node, opts);\n}\n\nfunction
assertObjectTypeProperty(node, opts = {}) {\n  assert("ObjectTypeProperty", node, opts);\n}\n\nfunction
assertObjectTypeSpreadProperty(node, opts = {}) {\n  assert("ObjectTypeSpreadProperty", node,
opts);\n}\n\nfunction assertOpaqueType(node, opts = {}) {\n  assert("OpaqueType", node, opts);\n}\n\nfunction
assertQualifiedTypeIdentifier(node, opts = {}) {\n  assert("QualifiedTypeIdentifier", node, opts);\n}\n\nfunction
assertStringLiteralTypeAnnotation(node, opts = {}) {\n  assert("StringLiteralTypeAnnotation", node,
opts);\n}\n\nfunction assertStringTypeAnnotation(node, opts = {}) {\n  assert("StringTypeAnnotation", node,
opts);\n}\n\nfunction assertSymbolTypeAnnotation(node, opts = {}) {\n  assert("SymbolTypeAnnotation", node,
opts);\n}\n\nfunction assertThisTypeAnnotation(node, opts = {}) {\n  assert("ThisTypeAnnotation", node,
opts);\n}\n\nfunction assertTupleTypeAnnotation(node, opts = {}) {\n  assert("TupleTypeAnnotation", node,
opts);\n}\n\nfunction assertTypeofTypeAnnotation(node, opts = {}) {\n  assert("TypeofTypeAnnotation", node,
opts);\n}\n\nfunction assertTypeAlias(node, opts = {}) {\n  assert("TypeAlias", node, opts);\n}\n\nfunction
assertTypeAnnotation(node, opts = {}) {\n  assert("TypeAnnotation", node, opts);\n}\n\nfunction
assertTypeCastExpression(node, opts = {}) {\n  assert("TypeCastExpression", node, opts);\n}\n\nfunction
assertTypeParameter(node, opts = {}) {\n  assert("TypeParameter", node, opts);\n}\n\nfunction
assertTypeParameterDeclaration(node, opts = {}) {\n  assert("TypeParameterDeclaration", node,

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opts);\n}\n\nfunction assertTypeParameterInstantiation(node, opts = {}) {\n  assert(\"TypeParameterInstantiation\",
node, opts);\n}\n\nfunction assertUnionTypeAnnotation(node, opts = {}) {\n  assert(\"UnionTypeAnnotation\",
node, opts);\n}\n\nfunction assertVariance(node, opts = {}) {\n  assert(\"Variance\", node, opts);\n}\n\nfunction
assertVoidTypeAnnotation(node, opts = {}) {\n  assert(\"VoidTypeAnnotation\", node, opts);\n}\n\nfunction
assertEnumDeclaration(node, opts = {}) {\n  assert(\"EnumDeclaration\", node, opts);\n}\n\nfunction
assertEnumBooleanBody(node, opts = {}) {\n  assert(\"EnumBooleanBody\", node, opts);\n}\n\nfunction
assertEnumNumberBody(node, opts = {}) {\n  assert(\"EnumNumberBody\", node, opts);\n}\n\nfunction
assertEnumStringBody(node, opts = {}) {\n  assert(\"EnumStringBody\", node, opts);\n}\n\nfunction
assertEnumSymbolBody(node, opts = {}) {\n  assert(\"EnumSymbolBody\", node, opts);\n}\n\nfunction
assertEnumBooleanMember(node, opts = {}) {\n  assert(\"EnumBooleanMember\", node, opts);\n}\n\nfunction
assertEnumNumberMember(node, opts = {}) {\n  assert(\"EnumNumberMember\", node, opts);\n}\n\nfunction
assertEnumStringMember(node, opts = {}) {\n  assert(\"EnumStringMember\", node, opts);\n}\n\nfunction
assertEnumDefaultedMember(node, opts = {}) {\n  assert(\"EnumDefaultedMember\", node, opts);\n}\n\nfunction
assertJSXAttribute(node, opts = {}) {\n  assert(\"JSXAttribute\", node, opts);\n}\n\nfunction
assertJSXClosingElement(node, opts = {}) {\n  assert(\"JSXClosingElement\", node, opts);\n}\n\nfunction
assertJSXElement(node, opts = {}) {\n  assert(\"JSXElement\", node, opts);\n}\n\nfunction
assertJSXEmptyExpression(node, opts = {}) {\n  assert(\"JSXEmptyExpression\", node, opts);\n}\n\nfunction
assertJSXExpressionContainer(node, opts = {}) {\n  assert(\"JSXExpressionContainer\", node, opts);\n}\n\nfunction
assertJSXSpreadChild(node, opts = {}) {\n  assert(\"JSXSpreadChild\", node, opts);\n}\n\nfunction
assertJSXIdentifier(node, opts = {}) {\n  assert(\"JSXIdentifier\", node, opts);\n}\n\nfunction
assertJSXMemberExpression(node, opts = {}) {\n  assert(\"JSXMemberExpression\", node, opts);\n}\n\nfunction
assertJSXNamespacedName(node, opts = {}) {\n  assert(\"JSXNamespacedName\", node, opts);\n}\n\nfunction
assertJSXOpeningElement(node, opts = {}) {\n  assert(\"JSXOpeningElement\", node, opts);\n}\n\nfunction
assertJSXSpreadAttribute(node, opts = {}) {\n  assert(\"JSXSpreadAttribute\", node, opts);\n}\n\nfunction
assertJSXText(node, opts = {}) {\n  assert(\"JSXText\", node, opts);\n}\n\nfunction assertJSXFragment(node, opts =
{}) {\n  assert(\"JSXFragment\", node, opts);\n}\n\nfunction assertJSXOpeningFragment(node, opts = {}) {\n
assert(\"JSXOpeningFragment\", node, opts);\n}\n\nfunction assertJSXClosingFragment(node, opts = {}) {\n
assert(\"JSXClosingFragment\", node, opts);\n}\n\nfunction assertNoop(node, opts = {}) {\n  assert(\"Noop\", node,
opts);\n}\n\nfunction assertPlaceholder(node, opts = {}) {\n  assert(\"Placeholder\", node, opts);\n}\n\nfunction
assertV8IntrinsicIdentifier(node, opts = {}) {\n  assert(\"V8IntrinsicIdentifier\", node, opts);\n}\n\nfunction
assertArgumentPlaceholder(node, opts = {}) {\n  assert(\"ArgumentPlaceholder\", node, opts);\n}\n\nfunction
assertBindExpression(node, opts = {}) {\n  assert(\"BindExpression\", node, opts);\n}\n\nfunction
assertClassProperty(node, opts = {}) {\n  assert(\"ClassProperty\", node, opts);\n}\n\nfunction
assertPipelineTopicExpression(node, opts = {}) {\n  assert(\"PipelineTopicExpression\", node, opts);\n}\n\nfunction
assertPipelineBareFunction(node, opts = {}) {\n  assert(\"PipelineBareFunction\", node, opts);\n}\n\nfunction
assertPipelinePrimaryTopicReference(node, opts = {}) {\n  assert(\"PipelinePrimaryTopicReference\", node,
opts);\n}\n\nfunction assertClassPrivateProperty(node, opts = {}) {\n  assert(\"ClassPrivateProperty\", node,
opts);\n}\n\nfunction assertClassPrivateMethod(node, opts = {}) {\n  assert(\"ClassPrivateMethod\", node,
opts);\n}\n\nfunction assertImportAttribute(node, opts = {}) {\n  assert(\"ImportAttribute\", node,
opts);\n}\n\nfunction assertDecorator(node, opts = {}) {\n  assert(\"Decorator\", node, opts);\n}\n\nfunction
assertDoExpression(node, opts = {}) {\n  assert(\"DoExpression\", node, opts);\n}\n\nfunction
assertExportDefaultSpecifier(node, opts = {}) {\n  assert(\"ExportDefaultSpecifier\", node, opts);\n}\n\nfunction
assertPrivateName(node, opts = {}) {\n  assert(\"PrivateName\", node, opts);\n}\n\nfunction
assertRecordExpression(node, opts = {}) {\n  assert(\"RecordExpression\", node, opts);\n}\n\nfunction
assertTupleExpression(node, opts = {}) {\n  assert(\"TupleExpression\", node, opts);\n}\n\nfunction
assertDecimalLiteral(node, opts = {}) {\n  assert(\"DecimalLiteral\", node, opts);\n}\n\nfunction
assertStaticBlock(node, opts = {}) {\n  assert(\"StaticBlock\", node, opts);\n}\n\nfunction
assertTSParameterProperty(node, opts = {}) {\n  assert(\"TSParameterProperty\", node, opts);\n}\n\nfunction

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assertTSDeclareFunction(node, opts = {}) {\n  assert(\"TSDeclareFunction\", node, opts);\n}\n\nfunction
assertTSDeclareMethod(node, opts = {}) {\n  assert(\"TSDeclareMethod\", node, opts);\n}\n\nfunction
assertTSQualifiedName(node, opts = {}) {\n  assert(\"TSQualifiedName\", node, opts);\n}\n\nfunction
assertTSCallSignatureDeclaration(node, opts = {}) {\n  assert(\"TSCallSignatureDeclaration\", node,
opts);\n}\n\nfunction assertTSConstructSignatureDeclaration(node, opts = {}) {\n
assert(\"TSConstructSignatureDeclaration\", node, opts);\n}\n\nfunction assertTSPropertySignature(node, opts = {})
{\n  assert(\"TSPropertySignature\", node, opts);\n}\n\nfunction assertTSMethodSignature(node, opts = {}) {\n
assert(\"TSMethodSignature\", node, opts);\n}\n\nfunction assertTSIndexSignature(node, opts = {}) {\n
assert(\"TSIndexSignature\", node, opts);\n}\n\nfunction assertTSAnyKeyword(node, opts = {}) {\n
assert(\"TSAnyKeyword\", node, opts);\n}\n\nfunction assertTSBooleanKeyword(node, opts = {}) {\n
assert(\"TSBooleanKeyword\", node, opts);\n}\n\nfunction assertTSBigIntKeyword(node, opts = {}) {\n
assert(\"TSBigIntKeyword\", node, opts);\n}\n\nfunction assertTSIntrinsicKeyword(node, opts = {}) {\n
assert(\"TSIntrinsicKeyword\", node, opts);\n}\n\nfunction assertTSNeverKeyword(node, opts = {}) {\n
assert(\"TSNeverKeyword\", node, opts);\n}\n\nfunction assertTSNullKeyword(node, opts = {}) {\n
assert(\"TSNullKeyword\", node, opts);\n}\n\nfunction assertTSNumberKeyword(node, opts = {}) {\n
assert(\"TSNumberKeyword\", node, opts);\n}\n\nfunction assertTSObjectKeyword(node, opts = {}) {\n
assert(\"TSObjectKeyword\", node, opts);\n}\n\nfunction assertTSStringKeyword(node, opts = {}) {\n
assert(\"TSStringKeyword\", node, opts);\n}\n\nfunction assertTSSymbolKeyword(node, opts = {}) {\n
assert(\"TSSymbolKeyword\", node, opts);\n}\n\nfunction assertTSUndefinedKeyword(node, opts = {}) {\n
assert(\"TSUndefinedKeyword\", node, opts);\n}\n\nfunction assertTSUnknownKeyword(node, opts = {}) {\n
assert(\"TSUnknownKeyword\", node, opts);\n}\n\nfunction assertTSVoidKeyword(node, opts = {}) {\n
assert(\"TSVoidKeyword\", node, opts);\n}\n\nfunction assertTSThisType(node, opts = {}) {\n
assert(\"TSThisType\", node, opts);\n}\n\nfunction assertTSFunctionType(node, opts = {}) {\n
assert(\"TSFunctionType\", node, opts);\n}\n\nfunction assertTSConstructorType(node, opts = {}) {\n
assert(\"TSConstructorType\", node, opts);\n}\n\nfunction assertTSTypeReference(node, opts = {}) {\n
assert(\"TSTypeReference\", node, opts);\n}\n\nfunction assertTSTypePredicate(node, opts = {}) {\n
assert(\"TSTypePredicate\", node, opts);\n}\n\nfunction assertTSTypeQuery(node, opts = {}) {\n
assert(\"TSTypeQuery\", node, opts);\n}\n\nfunction assertTSTypeLiteral(node, opts = {}) {\n
assert(\"TSTypeLiteral\", node, opts);\n}\n\nfunction assertTSArrayType(node, opts = {}) {\n
assert(\"TSArrayType\", node, opts);\n}\n\nfunction assertTSTupleType(node, opts = {}) {\n
assert(\"TSTupleType\", node, opts);\n}\n\nfunction assertTSOptionalType(node, opts = {}) {\n
assert(\"TSOptionalType\", node, opts);\n}\n\nfunction assertTSRestType(node, opts = {}) {\n
assert(\"TSRestType\", node, opts);\n}\n\nfunction assertTSNamedTupleMember(node, opts = {}) {\n
assert(\"TSNamedTupleMember\", node, opts);\n}\n\nfunction assertTSUnionType(node, opts = {}) {\n
assert(\"TSUnionType\", node, opts);\n}\n\nfunction assertTSIntersectionType(node, opts = {}) {\n
assert(\"TSIntersectionType\", node, opts);\n}\n\nfunction assertTSConditionalType(node, opts = {}) {\n
assert(\"TSConditionalType\", node, opts);\n}\n\nfunction assertTSInferType(node, opts = {}) {\n
assert(\"TSInferType\", node, opts);\n}\n\nfunction assertTSParenthesizedType(node, opts = {}) {\n
assert(\"TSParenthesizedType\", node, opts);\n}\n\nfunction assertTSTypeOperator(node, opts = {}) {\n
assert(\"TSTypeOperator\", node, opts);\n}\n\nfunction assertTSIndexedAccessType(node, opts = {}) {\n
assert(\"TSIndexedAccessType\", node, opts);\n}\n\nfunction assertTSMappedType(node, opts = {}) {\n
assert(\"TSMappedType\", node, opts);\n}\n\nfunction assertTSLiteralType(node, opts = {}) {\n
assert(\"TSLiteralType\", node, opts);\n}\n\nfunction assertTSExpressionWithTypeArguments(node, opts = {}) {\n
assert(\"TSExpressionWithTypeArguments\", node, opts);\n}\n\nfunction assertTSInterfaceDeclaration(node, opts =
{}) {\n  assert(\"TSInterfaceDeclaration\", node, opts);\n}\n\nfunction assertTSInterfaceBody(node, opts = {}) {\n
assert(\"TSInterfaceBody\", node, opts);\n}\n\nfunction assertTSTypeAliasDeclaration(node, opts = {}) {\n
assert(\"TSTypeAliasDeclaration\", node, opts);\n}\n\nfunction assertTSAsExpression(node, opts = {}) {\n
assert(\"TSAsExpression\", node, opts);\n}\n\nfunction assertTSTypeAssertion(node, opts = {}) {\n

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assert("TSTypeAssertion", node, opts);\n\nfunction assertTSEnumDeclaration(node, opts = {}) {\n
assert("TSEnumDeclaration", node, opts);\n\nfunction assertTSEnumMember(node, opts = {}) {\n
assert("TSEnumMember", node, opts);\n\nfunction assertTSMODULEDeclaration(node, opts = {}) {\n
assert("TSMODULEDeclaration", node, opts);\n\nfunction assertTSMODULEBlock(node, opts = {}) {\n
assert("TSMODULEBlock", node, opts);\n\nfunction assertTSImportType(node, opts = {}) {\n
assert("TSImportType", node, opts);\n\nfunction assertTSImportEqualsDeclaration(node, opts = {}) {\n
assert("TSImportEqualsDeclaration", node, opts);\n\nfunction assertTSExternalModuleReference(node, opts =
{}) {\n
assert("TSExternalModuleReference", node, opts);\n\nfunction assertTSNonNullExpression(node, opts
= {}) {\n
assert("TSNonNullExpression", node, opts);\n\nfunction assertTSExportAssignment(node, opts = {})
{\n
assert("TSExportAssignment", node, opts);\n\nfunction assertTSNamespaceExportDeclaration(node, opts =
{}) {\n
assert("TSNamespaceExportDeclaration", node, opts);\n\nfunction assertTSTypeAnnotation(node, opts
= {}) {\n
assert("TSTypeAnnotation", node, opts);\n\nfunction assertTSTypeParameterInstantiation(node, opts
= {}) {\n
assert("TSTypeParameterInstantiation", node, opts);\n\nfunction
assertTSTypeParameterDeclaration(node, opts = {}) {\n
assert("TSTypeParameterDeclaration", node,
opts);\n\nfunction assertTSTypeParameter(node, opts = {}) {\n
assert("TSTypeParameter", node,
opts);\n\nfunction assertExpression(node, opts = {}) {\n
assert("Expression", node, opts);\n\nfunction
assertBinary(node, opts = {}) {\n
assert("Binary", node, opts);\n\nfunction assertScopable(node, opts = {}) {\n
assert("Scopable", node, opts);\n\nfunction assertBlockParent(node, opts = {}) {\n
assert("BlockParent",
node, opts);\n\nfunction assertBlock(node, opts = {}) {\n
assert("Block", node, opts);\n\nfunction
assertStatement(node, opts = {}) {\n
assert("Statement", node, opts);\n\nfunction assertTerminatorless(node,
opts = {}) {\n
assert("Terminatorless", node, opts);\n\nfunction assertCompletionStatement(node, opts = {})
{\n
assert("CompletionStatement", node, opts);\n\nfunction assertConditional(node, opts = {}) {\n
assert("Conditional", node, opts);\n\nfunction assertLoop(node, opts = {}) {\n
assert("Loop", node,
opts);\n\nfunction assertWhile(node, opts = {}) {\n
assert("While", node, opts);\n\nfunction
assertExpressionWrapper(node, opts = {}) {\n
assert("ExpressionWrapper", node, opts);\n\nfunction
assertFor(node, opts = {}) {\n
assert("For", node, opts);\n\nfunction assertForXStatement(node, opts = {}) {\n
assert("ForXStatement", node, opts);\n\nfunction assertFunction(node, opts = {}) {\n
assert("Function", node,
opts);\n\nfunction assertFunctionParent(node, opts = {}) {\n
assert("FunctionParent", node,
opts);\n\nfunction assertPureish(node, opts = {}) {\n
assert("Pureish", node, opts);\n\nfunction
assertDeclaration(node, opts = {}) {\n
assert("Declaration", node, opts);\n\nfunction assertPatternLike(node,
opts = {}) {\n
assert("PatternLike", node, opts);\n\nfunction assertLVal(node, opts = {}) {\n
assert("LVal",
node, opts);\n\nfunction assertTSEntityName(node, opts = {}) {\n
assert("TSEntityName", node,
opts);\n\nfunction assertLiteral(node, opts = {}) {\n
assert("Literal", node, opts);\n\nfunction
assertImmutable(node, opts = {}) {\n
assert("Immutable", node, opts);\n\nfunction
assertUserWhitespacable(node, opts = {}) {\n
assert("UserWhitespacable", node, opts);\n\nfunction
assertMethod(node, opts = {}) {\n
assert("Method", node, opts);\n\nfunction assertObjectMember(node, opts =
{}) {\n
assert("ObjectMember", node, opts);\n\nfunction assertProperty(node, opts = {}) {\n
assert("Property", node, opts);\n\nfunction assertUnaryLike(node, opts = {}) {\n
assert("UnaryLike", node,
opts);\n\nfunction assertPattern(node, opts = {}) {\n
assert("Pattern", node, opts);\n\nfunction
assertClass(node, opts = {}) {\n
assert("Class", node, opts);\n\nfunction assertModuleDeclaration(node, opts =
{}) {\n
assert("ModuleDeclaration", node, opts);\n\nfunction assertExportDeclaration(node, opts = {}) {\n
assert("ExportDeclaration", node, opts);\n\nfunction assertModuleSpecifier(node, opts = {}) {\n
assert("ModuleSpecifier", node, opts);\n\nfunction assertFlow(node, opts = {}) {\n
assert("Flow", node,
opts);\n\nfunction assertFlowType(node, opts = {}) {\n
assert("FlowType", node, opts);\n\nfunction
assertFlowBaseAnnotation(node, opts = {}) {\n
assert("FlowBaseAnnotation", node, opts);\n\nfunction
assertFlowDeclaration(node, opts = {}) {\n
assert("FlowDeclaration", node, opts);\n\nfunction
assertFlowPredicate(node, opts = {}) {\n
assert("FlowPredicate", node, opts);\n\nfunction
assertEnumBody(node, opts = {}) {\n
assert("EnumBody", node, opts);\n\nfunction assertEnumMember(node,

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opts = {} {\n assert(\`EnumMember\`, node, opts);\n}\n\nfunction assertJSX(node, opts = {}) {\n assert(\`JSX\`,
node, opts);\n}\n\nfunction assertPrivate(node, opts = {}) {\n assert(\`Private\`, node, opts);\n}\n\nfunction
assertTSTypeElement(node, opts = {}) {\n assert(\`TSTypeElement\`, node, opts);\n}\n\nfunction
assertTSType(node, opts = {}) {\n assert(\`TSType\`, node, opts);\n}\n\nfunction assertTSBaseType(node, opts =
{}) {\n assert(\`TSBaseType\`, node, opts);\n}\n\nfunction assertNumberLiteral(node, opts) {\n
console.trace(\`The node type NumberLiteral has been renamed to NumericLiteral\`);\n assert(\`NumberLiteral\`,
node, opts);\n}\n\nfunction assertRegexLiteral(node, opts) {\n console.trace(\`The node type RegexLiteral has been
renamed to RegExpLiteral\`);\n assert(\`RegexLiteral\`, node, opts);\n}\n\nfunction assertRestProperty(node, opts)
{\n console.trace(\`The node type RestProperty has been renamed to RestElement\`);\n assert(\`RestProperty\`,
node, opts);\n}\n\nfunction assertSpreadProperty(node, opts) {\n console.trace(\`The node type SpreadProperty has
been renamed to SpreadElement\`);\n assert(\`SpreadProperty\`, node, opts);\n}, "\`use
strict\`";\n\nObject.defineProperty(exports, \`__esModule\`, {\n value: true\n});\n\nexports.default =
createTypeAnnotationBasedOnTypeof;\n\nvar _generated = require(\`../generated\`);\n\nfunction
createTypeAnnotationBasedOnTypeof(type) {\n if (type === \`string\`) {\n return (0,
_generated.stringTypeAnnotation)();\n } else if (type === \`number\`) {\n return (0,
_generated.numberTypeAnnotation)();\n } else if (type === \`undefined\`) {\n return (0,
_generated.voidTypeAnnotation)();\n } else if (type === \`boolean\`) {\n return (0,
_generated.booleanTypeAnnotation)();\n } else if (type === \`function\`) {\n return (0,
_generated.genericTypeAnnotation)((0, _generated.identifier)(\`Function\`));\n } else if (type === \`object\`) {\n
return (0, _generated.genericTypeAnnotation)((0, _generated.identifier)(\`Object\`));\n } else if (type ===
\`symbol\`) {\n return (0, _generated.genericTypeAnnotation)((0, _generated.identifier)(\`Symbol\`));\n } else {\n
throw new Error(\`Invalid typeof value\`);\n }\n}\n}, "\`use strict\`";\n\nObject.defineProperty(exports,
\`__esModule\`, {\n value: true\n});\n\nexports.default = createFlowUnionType;\n\nvar _generated =
require(\`../generated\`);\n\nvar _removeTypeDuplicates =
_interopRequireDefault(require(\`../../modifications/flow/removeTypeDuplicates\`));\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction
createFlowUnionType(types) {\n const flattened = (0, _removeTypeDuplicates.default)(types);\n\n if
(flattened.length === 1) {\n return flattened[0];\n } else {\n return (0,
_generated.unionTypeAnnotation)(flattened);\n }\n}\n}, "\`use strict\`";\n\nObject.defineProperty(exports,
\`__esModule\`, {\n value: true\n});\n\nexports.default = createTSUnionType;\n\nvar _generated =
require(\`../generated\`);\n\nvar _removeTypeDuplicates =
_interopRequireDefault(require(\`../../modifications/typescript/removeTypeDuplicates\`));\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction
createTSUnionType(typeAnnotations) {\n const types = typeAnnotations.map(type => type.typeAnnotations);\n
const flattened = (0, _removeTypeDuplicates.default)(types);\n\n if (flattened.length === 1) {\n return
flattened[0];\n } else {\n return (0, _generated.tsUnionType)(flattened);\n }\n}\n}, "\`use
strict\`";\n\nObject.defineProperty(exports, \`__esModule\`, {\n value: true\n});\n\nexports.default =
removeTypeDuplicates;\n\nvar _generated = require(\`../validators/generated\`);\n\nfunction
removeTypeDuplicates(nodes) {\n const generics = {};\n const bases = {};\n const typeGroups = [];\n const types
= [];\n\n for (let i = 0; i < nodes.length; i++) {\n const node = nodes[i];\n if (!node) continue;\n\n if
(types.indexOf(node) >= 0) {\n continue;\n }\n\n if ((0, _generated.isTSAnyKeyword)(node.type)) {\n
return [node];\n }\n\n if ((0, _generated.isTSBaseType)(node)) {\n bases[node.type] = node;\n continue;\n
}\n\n if ((0, _generated.isTSUnionType)(node)) {\n if (typeGroups.indexOf(node.types) < 0) {\n nodes =
nodes.concat(node.types);\n typeGroups.push(node.types);\n }\n\n continue;\n }\n\n
types.push(node);\n }\n\n for (const type of Object.keys(bases)) {\n types.push(bases[type]);\n }\n\n for (const
name of Object.keys(generics)) {\n types.push(generics[name]);\n }\n\n return types;\n}\n}, "\`use
strict\`";\n\nObject.defineProperty(exports, \`__esModule\`, {\n value: true\n});\n\nexports.default = clone;\n\nvar
_cloneNode = _interopRequireDefault(require(\`./cloneNode\`));\n\nfunction _interopRequireDefault(obj) { return

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obj && obj.__esModule ? obj : { default: obj }; }
function clone(node) {
  return (0, _cloneNode.default)(node, false);
}
"use strict";
Object.defineProperty(exports, "__esModule", {
  value: true
});
exports.default = cloneDeep;
var _cloneNode = _interopRequireDefault(require("./cloneNode"));
function _interopRequireDefault(obj) {
  return obj && obj.__esModule ? obj : { default: obj }; }
function cloneDeep(node) {
  return (0, _cloneNode.default)(node);
}
"use strict";
Object.defineProperty(exports, "__esModule", {
  value: true
});
exports.default = cloneDeepWithoutLoc;
var _cloneNode = _interopRequireDefault(require("./cloneNode"));
function _interopRequireDefault(obj) {
  return obj && obj.__esModule ? obj : { default: obj }; }
function cloneDeepWithoutLoc(node) {
  return (0, _cloneNode.default)(node, true, true);
}
"use strict";
Object.defineProperty(exports, "__esModule", {
  value: true
});
exports.default = cloneWithoutLoc;
var _cloneNode = _interopRequireDefault(require("./cloneNode"));
function _interopRequireDefault(obj) {
  return obj && obj.__esModule ? obj : { default: obj }; }
function cloneWithoutLoc(node) {
  return (0, _cloneNode.default)(node, false, true);
}
"use strict";
Object.defineProperty(exports, "__esModule", {
  value: true
});
exports.default = addComment;
var _addComments = _interopRequireDefault(require("./addComments"));
function _interopRequireDefault(obj) {
  return obj && obj.__esModule ? obj : { default: obj }; }
function addComment(node, type, content, line) {
  return (0, _addComments.default)(node, type, [{
    type: line ? "CommentLine" : "CommentBlock",
    value: content
  }]);
}
"use strict";
Object.defineProperty(exports, "__esModule", {
  value: true
});
exports.default = removeComments;
var _constants = require("./constants");
function removeComments(node) {
  _constants.COMMENT_KEYS.forEach(key => {
    node[key] = null;
  });
  return node;
}
"use strict";
Object.defineProperty(exports, "__esModule", {
  value: true
});
exports.TSBASETYPES = exports.TSTYPE_Types = exports.TSTYPEELEMENT_Types = exports.PRIVATE_Types = exports.JSX_Types = exports.ENUMMEMBER_Types = exports.ENUMBODY_Types = exports.FLOWPREDICATE_Types = exports.FLOWDECLARATION_Types = exports.FLOWBASEANNOTATION_Types = exports.FLOWTYPE_Types = exports.FLOW_Types = exports.MODULESPECIFIER_Types = exports.EXPORTDECLARATION_Types = exports.MODULEDECLARATION_Types = exports.CLASS_Types = exports.PATTERN_Types = exports.UNARYLIKE_Types = exports.PROPERTY_Types = exports.OBJECTMEMBER_Types = exports.METHOD_Types = exports.USERWHITESPACABLE_Types = exports.IMMUTABLE_Types = exports.LITERAL_Types = exports.TSENTITYNAME_Types = exports.LVAL_Types = exports.PATTERNLIKE_Types = exports.DECLARATION_Types = exports.PUREISH_Types = exports.FUNCTIONPARENT_Types = exports.FUNCTION_Types = exports.FORXSTATEMENT_Types = exports.FOR_Types = exports.EXPRESSIONWRAPPER_Types = exports.WHILE_Types = exports.LOOP_Types = exports.CONDITIONAL_Types = exports.COMPLETIONSTATEMENT_Types = exports.TERMINATORLESS_Types = exports.STATEMENT_Types = exports.BLOCK_Types = exports.BLOCKPARENT_Types = exports.SCOPABLE_Types = exports.BINARY_Types = exports.EXPRESSION_Types = void 0;
var _definitions = require("../definitions");
const EXPRESSION_Types = _definitions.FLIPPED_ALIAS_KEYS["Expression"];
exports.EXPRESSION_Types = EXPRESSION_Types;
const BINARY_Types = _definitions.FLIPPED_ALIAS_KEYS["Binary"];
exports.BINARY_Types = BINARY_Types;
const SCOPABLE_Types = _definitions.FLIPPED_ALIAS_KEYS["Scopable"];
exports.SCOPABLE_Types = SCOPABLE_Types;
const BLOCKPARENT_Types = _definitions.FLIPPED_ALIAS_KEYS["BlockParent"];
exports.BLOCKPARENT_Types = BLOCKPARENT_Types;
const BLOCK_Types = _definitions.FLIPPED_ALIAS_KEYS["Block"];
exports.BLOCK_Types = BLOCK_Types;
const STATEMENT_Types = _definitions.FLIPPED_ALIAS_KEYS["Statement"];
exports.STATEMENT_Types = STATEMENT_Types;
const TERMINATORLESS_Types = _definitions.FLIPPED_ALIAS_KEYS["Terminatorless"];
exports.TERMINATORLESS_Types =

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TERMINATORLESS_TYPES;\nconst COMPLETIONSTATEMENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["CompletionStatement"];
\nexports.COMPLETIONSTATEMENT_TYPES
= COMPLETIONSTATEMENT_TYPES;\nconst CONDITIONAL_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Conditional"];
\nexports.CONDITIONAL_TYPES =
CONDITIONAL_TYPES;\nconst LOOP_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Loop"];
\nexports.LOOP_TYPES = LOOP_TYPES;\nconst
WHILE_TYPES = _definitions.FLIPPED_ALIAS_KEYS["While"];
\nexports.WHILE_TYPES =
WHILE_TYPES;\nconst EXPRESSIONWRAPPER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ExpressionWrapper"];
\nexports.EXPRESSIONWRAPPER_TYPES =
EXPRESSIONWRAPPER_TYPES;\nconst FOR_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["For"];
\nexports.FOR_TYPES = FOR_TYPES;\nconst
FORXSTATEMENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ForXStatement"];
\nexports.FORXSTATEMENT_TYPES =
FORXSTATEMENT_TYPES;\nconst FUNCTION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Function"];
\nexports.FUNCTION_TYPES =
FUNCTION_TYPES;\nconst FUNCTIONPARENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FunctionParent"];
\nexports.FUNCTIONPARENT_TYPES =
FUNCTIONPARENT_TYPES;\nconst PUREISH_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Pureish"];
\nexports.PUREISH_TYPES = PUREISH_TYPES;\nconst
DECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Declaration"];
\nexports.DECLARATION_TYPES =
DECLARATION_TYPES;\nconst PATTERNLIKE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["PatternLike"];
\nexports.PATTERNLIKE_TYPES =
PATTERNLIKE_TYPES;\nconst LVAL_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["LVal"];
\nexports.LVAL_TYPES = LVAL_TYPES;\nconst
TSENTITYNAME_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSEntityName"];
\nexports.TSENTITYNAME_TYPES =
TSENTITYNAME_TYPES;\nconst LITERAL_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Literal"];
\nexports.LITERAL_TYPES = LITERAL_TYPES;\nconst
IMMUTABLE_TYPES = _definitions.FLIPPED_ALIAS_KEYS["Immutable"];
\nexports.IMMUTABLE_TYPES
= IMMUTABLE_TYPES;\nconst USERWHITESPACABLE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["UserWhitespacable"];
\nexports.USERWHITESPACABLE_TYPES =
USERWHITESPACABLE_TYPES;\nconst METHOD_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Method"];
\nexports.METHOD_TYPES = METHOD_TYPES;\nconst
OBJECTMEMBER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ObjectMember"];
\nexports.OBJECTMEMBER_TYPES =
OBJECTMEMBER_TYPES;\nconst PROPERTY_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Property"];
\nexports.PROPERTY_TYPES =
PROPERTY_TYPES;\nconst UNARYLIKE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["UnaryLike"];
\nexports.UNARYLIKE_TYPES =
UNARYLIKE_TYPES;\nconst PATTERN_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Pattern"];
\nexports.PATTERN_TYPES = PATTERN_TYPES;\nconst
CLASS_TYPES = _definitions.FLIPPED_ALIAS_KEYS["Class"];
\nexports.CLASS_TYPES =
CLASS_TYPES;\nconst MODULEDECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ModuleDeclaration"];
\nexports.MODULEDECLARATION_TYPES =
MODULEDECLARATION_TYPES;\nconst EXPORTDECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ExportDeclaration"];
\nexports.EXPORTDECLARATION_TYPES =
EXPORTDECLARATION_TYPES;\nconst MODULESPECIFIER_TYPES =

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_definitions.FLIPPED_ALIAS_KEYS["ModuleSpecifier"];
\nexports.MODULESPECIFIER_TYPES =
MODULESPECIFIER_TYPES;\nconst FLOW_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Flow"];
\nexports.FLOW_TYPES = FLOW_TYPES;\nconst
FLOWTYPE_TYPES = _definitions.FLIPPED_ALIAS_KEYS["FlowType"];
\nexports.FLOWTYPE_TYPES =
FLOWTYPE_TYPES;\nconst FLOWBASEANNOTATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FlowBaseAnnotation"];
\nexports.FLOWBASEANNOTATION_TYPES =
FLOWBASEANNOTATION_TYPES;\nconst FLOWDECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FlowDeclaration"];
\nexports.FLOWDECLARATION_TYPES =
FLOWDECLARATION_TYPES;\nconst FLOWPREDICATE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FlowPredicate"];
\nexports.FLOWPREDICATE_TYPES =
FLOWPREDICATE_TYPES;\nconst ENUMBODY_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["EnumBody"];
\nexports.ENUMBODY_TYPES =
ENUMBODY_TYPES;\nconst ENUMMEMBER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["EnumMember"];
\nexports.ENUMMEMBER_TYPES =
ENUMMEMBER_TYPES;\nconst JSX_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["JSX"];
\nexports.JSX_TYPES = JSX_TYPES;\nconst PRIVATE_TYPES
= _definitions.FLIPPED_ALIAS_KEYS["Private"];
\nexports.PRIVATE_TYPES = PRIVATE_TYPES;\nconst
TSTYPEELEMENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSTypeElement"];
\nexports.TSTYPEELEMENT_TYPES =
TSTYPEELEMENT_TYPES;\nconst TSTYPE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSType"];
\nexports.TSTYPE_TYPES = TSTYPE_TYPES;\nconst
TSBASETYPE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSBaseType"];
\nexports.TSBASETYPE_TYPES =
TSBASETYPE_TYPES;,"\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.default = ensureBlock;\n\nvar _toBlock =
_interopRequireDefault(require(\"./toBlock\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction ensureBlock(node, key = \"body\") {\n return node[key] = (0,
_toBlock.default)(node[key], node);\n}","\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n
value: true\n});\n\nexports.default = toBindingIdentifierName;\n\nvar _toIdentifier =
_interopRequireDefault(require(\"./toIdentifier\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction toBindingIdentifierName(name) {\n name = (0,
_toIdentifier.default)(name);\n if (name === \"eval\" || name === \"arguments\") name = \"_\" + name;\n return
name;\n}","\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
toComputedKey;\n\nvar _generated = require(\"../validators/generated\");\n\nvar _generated2 =
require(\"../builders/generated\");\n\nfunction toComputedKey(node, key = node.key || node.property) {\n if
(!node.computed && (0, _generated.isIdentifier)(key)) key = (0, _generated2.stringLiteral)(key.name);\n return
key;\n}","\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
toExpression;\n\nvar _generated = require(\"../validators/generated\");\n\nfunction toExpression(node) {\n if ((0,
_generated.isExpressionStatement)(node)) {\n node = node.expression;\n }\n\n if ((0,
_generated.isExpression)(node)) {\n return node;\n }\n\n if ((0, _generated.isClass)(node)) {\n node.type =
\"ClassExpression\";\n } else if ((0, _generated.isFunction)(node)) {\n node.type = \"FunctionExpression\";\n
}\n\n if (!((0, _generated.isExpression)(node))) {\n throw new Error(`cannot turn ${node.type} to an
expression`);\n }\n\n return node;\n}","\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.default = toKeyAlias;\n\nvar _generated = require(\"../validators/generated\");\n\nvar _cloneNode
= _interopRequireDefault(require(\"../clone/cloneNode\"));\n\nvar _removePropertiesDeep =
_interopRequireDefault(require(\"../modifications/removePropertiesDeep\"));\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction
toKeyAlias(node, key = node.key) {\n let alias;\n if (node.kind === \"method\") {\n return

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toKeyAlias.increment() + "\";\n } else if ((0, _generated.isIdentifier)(key)) {\n  alias = key.name;\n } else if ((0,
_generated.isStringLiteral)(key)) {\n  alias = JSON.stringify(key.value);\n } else {\n  alias = JSON.stringify((0,
_removePropertiesDeep.default)((0, _cloneNode.default)(key));\n }\n\n if (node.computed) {\n  alias =
`[${alias}]`; \n }\n\n if (node.static) {\n  alias = `static:${alias}`;\n }\n\n return alias;\n }\n\n toKeyAlias.uid =
0;\n\n toKeyAlias.increment = function () {\n  if (toKeyAlias.uid >= Number.MAX_SAFE_INTEGER) {\n    return
toKeyAlias.uid = 0;\n  } else {\n    return toKeyAlias.uid++;\n  }\n};", "\"use
strict\";\n\n Object.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\n exports.default =
toSequenceExpression;\n\n nvar _gatherSequenceExpressions =
_interopRequireDefault(require(\"./gatherSequenceExpressions\"));\n\n function _interopRequireDefault(obj) {
return obj && obj.__esModule ? obj : { default: obj }; }\n\n function toSequenceExpression(nodes, scope) {\n  if
(! (nodes == null ? void 0 : nodes.length)) return;\n  const declars = [];\n  const result = (0,
_gatherSequenceExpressions.default)(nodes, scope, declars);\n  if (!result) return;\n\n  for (const declar of declars)
{\n    scope.push(declar);\n  }\n\n  return result;\n }", "\"use strict\";\n\n Object.defineProperty(exports,
\"__esModule\", {\n  value: true\n});\n\n exports.default = gatherSequenceExpressions;\n\n nvar _getBindingIdentifiers
= _interopRequireDefault(require(\"../retrievers/getBindingIdentifiers\"));\n\n nvar _generated =
require(\"../validators/generated\");\n\n nvar _generated2 = require(\"../builders/generated\");\n\n nvar _cloneNode =
_interopRequireDefault(require(\"../clone/cloneNode\"));\n\n function _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\n function gatherSequenceExpressions(nodes, scope, declars) {\n  const
exprs = [];\n  let ensureLastUndefined = true;\n\n  for (const node of nodes) {\n    if (!(0,
_generated.isEmptyStatement)(node)) {\n      ensureLastUndefined = false;\n    }\n\n    if ((0,
_generated.isExpression)(node)) {\n      exprs.push(node);\n    } else if ((0,
_generated.isExpressionStatement)(node)) {\n      exprs.push(node.expression);\n    } else if ((0,
_generated.isVariableDeclaration)(node)) {\n      if (node.kind !== \"var\") return;\n\n      for (const declar of
node.declarations) {\n        const bindings = (0, _getBindingIdentifiers.default)(declar);\n\n        for (const key of
Object.keys(bindings)) {\n          declars.push({\n            kind: node.kind,\n            id: (0,
_cloneNode.default)(bindings[key])\n          });\n        }\n\n        if (declar.init) {\n          exprs.push((0,
_generated2.assignmentExpression)(\"=\" , declar.id, declar.init));\n        }\n      }\n\n      ensureLastUndefined =
true;\n    } else if ((0, _generated.isIfStatement)(node)) {\n      const consequent = node.consequent ?
gatherSequenceExpressions([node.consequent], scope, declars) : scope.buildUndefinedNode();\n      const alternate
= node.alternate ? gatherSequenceExpressions([node.alternate], scope, declars) : scope.buildUndefinedNode();\n      if
(!consequent || !alternate) return;\n      exprs.push((0, _generated2.conditionalExpression)(node.test, consequent,
alternate));\n    } else if ((0, _generated.isBlockStatement)(node)) {\n      const body =
gatherSequenceExpressions(node.body, scope, declars);\n      if (!body) return;\n      exprs.push(body);\n    } else if
((0, _generated.isEmptyStatement)(node)) {\n      if (nodes.indexOf(node) === 0) {\n        ensureLastUndefined =
true;\n      }\n    } else {\n      return;\n    }\n  }\n\n  if (ensureLastUndefined) {\n    exprs.push(scope.buildUndefinedNode());\n  }\n\n  if (exprs.length === 1) {\n    return exprs[0];\n  } else {\n    return (0, _generated2.sequenceExpression)(exprs);\n  }\n }", "\"use strict\";\n\n Object.defineProperty(exports,
\"__esModule\", {\n  value: true\n});\n\n exports.default = toStatement;\n\n nvar _generated =
require(\"../validators/generated\");\n\n nvar _generated2 = require(\"../builders/generated\");\n\n function
toStatement(node, ignore) {\n  if ((0, _generated.isStatement)(node)) {\n    return node;\n  }\n\n  let mustHaveId =
false;\n  let newType;\n\n  if ((0, _generated.isClass)(node)) {\n    mustHaveId = true;\n    newType =
\"ClassDeclaration\";\n  } else if ((0, _generated.isFunction)(node)) {\n    mustHaveId = true;\n    newType =
\"FunctionDeclaration\";\n  } else if ((0, _generated.isAssignmentExpression)(node)) {\n    return (0,
_generated2.expressionStatement)(node);\n  }\n\n  if (mustHaveId && !node.id) {\n    newType = false;\n  }\n\n  if
(!newType) {\n    if (ignore) {\n      return false;\n    } else {\n      throw new Error(`cannot turn ${node.type} to a
statement`);\n    }\n  }\n\n  node.type = newType;\n  return node;\n }", "\"use
strict\";\n\n Object.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\n exports.default =
valueToNode;\n\n nvar _isPlainObject = _interopRequireDefault(require(\"lodash/isPlainObject\"));\n\n nvar

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_isRegExp = _interopRequireDefault(require('lodash/isRegExp'));
var _isValidIdentifier =
_interopRequireDefault(require('..validators/isValidIdentifier'));
var _generated =
require('..builders/generated');
function _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : {
default: obj }; }
function valueToNode(value) {
  if (value === undefined) {
    return (0,
_generated.identifier)('undefined');
  }
  if (value === true || value === false) {
    return (0,
_generated.booleanLiteral)(value);
  }
  if (value === null) {
    return (0, _generated.nullLiteral)();
  }
  if (typeof value === 'string') {
    return (0, _generated.stringLiteral)(value);
  }
  if (typeof value ===
'number') {
    let result;
    if (Number.isFinite(value)) {
      result = (0,
_generated.numericLiteral)(Math.abs(value));
    } else {
      let numerator;
      if (Number.isNaN(value)) {
        numerator = (0, _generated.numericLiteral)(0);
      } else {
        numerator = (0,
_generated.numericLiteral)(1);
      }
      result = (0, _generated.binaryExpression)('^', numerator, (0,
_generated.numericLiteral)(0));
    }
    if (value < 0 || Object.is(value, -0)) {
      result = (0,
_generated.unaryExpression)('-', result);
    }
    return result;
  }
  if ((0, _isRegExp.default)(value)) {
    const pattern = value.source;
    const flags = value.toString().match(/\/([a-z]+)\/[1];
    return (0,
_generated.regExpLiteral)(pattern, flags);
  }
  if (Array.isArray(value)) {
    return (0,
_generated.arrayExpression)(value.map(valueToNode));
  }
  if ((0, _isPlainObject.default)(value)) {
    const
props = [];
    for (const key of Object.keys(value)) {
      let nodeKey;
      if ((0,
_isValidIdentifier.default)(key)) {
        nodeKey = (0, _generated.identifier)(key);
      } else {
        nodeKey = (0, _generated.stringLiteral)(key);
      }
      props.push((0, _generated.objectProperty)(nodeKey,
valueToNode(value[key]));
    }
    return (0, _generated.objectExpression)(props);
  }
  throw new
Error("don't know how to turn this value into a node");
}
var baseGetTag = require('./_baseGetTag');
var getPrototype = require('./_getPrototype');
var isObjectLike = require('./isObjectLike');
/** `Object#toString`
result references.
*/
var objectTag = '[object Object]';
/** Used for built-in method references.
*/
var funcProto = Function.prototype;
var objectProto = Object.prototype;
/** Used to resolve the decompiled source of
functions.
*/
var funcToString = funcProto.toString;
/** Used to check objects for own properties.
*/
var hasOwnProperty = objectProto.hasOwnProperty;
/** Used to infer the `Object` constructor.
*/
var objectCtorString = funcToString.call(Object);
/** Checks if `value` is a plain object, that is, an object created
by the `Object` constructor or one with a `[[Prototype]]` of `null`.
*/
var _isPlainObject = (function (value) {
  if (!isObjectLike(value) || baseGetTag(value) !== objectTag) {
    return false;
  }
  var proto = getPrototype(value);
  if (proto === null) {
    return true;
  }
  var Ctor = hasOwnProperty.call(proto,
'constructor') && proto.constructor;
  return typeof Ctor == 'function' && Ctor instanceof Ctor &&
funcToString.call(Ctor) == objectCtorString;
})
module.exports = isPlainObject;
var baseIsRegExp =
require('./_baseIsRegExp');
var baseUnary = require('./_baseUnary');
var nodeUtil = require('./_nodeUtil');
/** Node.js helper references.
*/
var nodeIsRegExp = nodeUtil && nodeUtil.isRegExp;
/** Checks if `value` is
classified as a `RegExp` object.
*/
var _isRegExp = (function (value) {
  if (!isObjectLike(value) || baseGetTag(value) !== objectTag) {
    return false;
  }
  var proto = getPrototype(value);
  if (proto === null) {
    return true;
  }
  var Ctor = hasOwnProperty.call(proto,
'constructor') && proto.constructor;
  return typeof Ctor == 'function' && Ctor instanceof Ctor &&
funcToString.call(Ctor) == objectCtorString;
})
module.exports = isRegExp;
var baseGetTag =
require('./_baseGetTag');
var isObjectLike = require('./isObjectLike');
/** `Object#toString`
result references.
*/
var regexpTag = '[object RegExp]';
/** The base implementation of `_isRegExp` without Node.js
optimizations.
*/
var _isRegExp = (function (value) {
  if (!isObjectLike(value) || baseGetTag(value) !== objectTag) {
    return false;
  }
  var proto = getPrototype(value);
  if (proto === null) {
    return true;
  }
  var Ctor = hasOwnProperty.call(proto,
'constructor') && proto.constructor;
  return typeof Ctor == 'function' && Ctor instanceof Ctor &&
funcToString.call(Ctor) == objectCtorString;
})
module.exports = isRegExp;
Object.defineProperty(exports, '__esModule', {
value: true});
exports.default =

```

```

appendToMemberExpression;\n\nvar _generated = require(\"../builders/generated\");\n\nfunction
appendToMemberExpression(member, append, computed = false) {\n  member.object = (0,
_generated.memberExpression)(member.object, member.property, member.computed);\n  member.property =
append;\n  member.computed = !!computed;\n  return member;\n}, \"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\nexports.default = inherits;\n\nvar
_constants = require(\"../constants\");\n\nvar _inheritsComments =
_interopRequireDefault(require(\"../comments/inheritsComments\"));\n\nfunction _interopRequireDefault(obj) {\n
return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction inherits(child, parent) {\n  if (!child || !parent)
return child;\n  for (const key of _constants.INHERIT_KEYS.optional) {\n    if (child[key] == null) {\n
child[key] = parent[key];\n    }\n  }\n  for (const key of Object.keys(parent)) {\n    if (key[0] === \"_\" && key
!== \"__clone\") child[key] = parent[key];\n  }\n  for (const key of _constants.INHERIT_KEYS.force) {\n
child[key] = parent[key];\n  }\n  (0, _inheritsComments.default)(child, parent);\n  return child;\n}, \"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\nexports.default =
prependToMemberExpression;\n\nvar _generated = require(\"../builders/generated\");\n\nfunction
prependToMemberExpression(member, prepend) {\n  member.object = (0, _generated.memberExpression)(prepend,
member.object);\n  return member;\n}, \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n
value: true\n});\nexports.default = getOuterBindingIdentifiers;\n\nvar _getBindingIdentifiers =
_interopRequireDefault(require(\"../getBindingIdentifiers\"));\n\nfunction _interopRequireDefault(obj) {\n
return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction getOuterBindingIdentifiers(node, duplicates) {\n
return (0, _getBindingIdentifiers.default)(node, duplicates, true);\n}, \"use strict\";\n\nObject.defineProperty(exports,
\"__esModule\", {\n  value: true\n});\nexports.default = traverse;\n\nvar _definitions =
require(\"../definitions\");\n\nfunction traverse(node, handlers, state) {\n  if (typeof handlers === \"function\") {\n
handlers = {\n    enter: handlers\n  }; }\n  const { enter, exit } = handlers;\n  traverseSimpleImpl(node, enter,
exit, state, []);\n\nfunction traverseSimpleImpl(node, enter, exit, state, ancestors) {\n  const keys =
_definitions.VISITOR_KEYS[node.type];\n  if (!keys) return;\n  if (enter) enter(node, ancestors,
state);\n  for (const key of keys) {\n    const subNode = node[key];\n    if (Array.isArray(subNode)) {\n
for (let i = 0; i < subNode.length; i++) {\n      const child = subNode[i];\n      if (!child) continue;\n
ancestors.push({\n        node,\n        key,\n        index: i\n      });\n      traverseSimpleImpl(child,
enter, exit, state, ancestors);\n      ancestors.pop();\n    } else if (subNode) {\n      ancestors.push({\n
node,\n      key\n      });\n      traverseSimpleImpl(subNode, enter, exit, state, ancestors);\n      ancestors.pop();\n
}\n  }\n  if (exit) exit(node, ancestors, state);\n}, \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n
value: true\n});\nexports.default = isBinding;\n\nvar _getBindingIdentifiers =
_interopRequireDefault(require(\"../retrievers/getBindingIdentifiers\"));\n\nfunction _interopRequireDefault(obj) {\n
return obj && obj.__esModule ? obj : { default: obj }; }\n\nfunction isBinding(node, parent, grandparent) {\n
if (grandparent && node.type === \"Identifier\" && parent.type === \"ObjectProperty\" && grandparent.type ===
\"ObjectExpression\") {\n  return false;\n  }\n  const keys = _getBindingIdentifiers.default.keys[parent.type];\n  if
(keys) {\n    for (let i = 0; i < keys.length; i++) {\n      const key = keys[i];\n      const val = parent[key];\n      if
(Array.isArray(val)) {\n        if (val.indexOf(node) >= 0) return true;\n      } else {\n        if (val === node)
return true;\n      }\n    }\n  }\n  return false;\n}, \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n
value: true\n});\nexports.default = isBlockScoped;\n\nvar _generated = require(\"../generated\");\n\nvar _isLet =
_interopRequireDefault(require(\"../isLet\"));\n\nfunction _interopRequireDefault(obj) {\n  return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction isBlockScoped(node) {\n  return (0,
_generated.isFunctionDeclaration)(node) || (0, _generated.isClassDeclaration)(node) || (0,
_isLet.default)(node);\n}, \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value:
true\n});\nexports.default = isImmutable;\n\nvar _isType = _interopRequireDefault(require(\"../isType\"));\n\nvar
_generated = require(\"../generated\");\n\nfunction _interopRequireDefault(obj) {\n  return obj && obj.__esModule ?
obj : { default: obj }; }\n\nfunction isImmutable(node) {\n  if ((0, _isType.default)(node.type, \"Immutable\"))
return true;\n  if ((0, _generated.isIdentifier)(node)) {\n    if (node.name === \"undefined\") {\n      return true;\n    }
else

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{\n  return false;\n } \n } \n\n return false;\n }", "\n\nuse strict";\n\nObject.defineProperty(exports, \n\n__esModule",
{\n value: true\n});\n\nexports.default = isNodesEquivalent;\n\nvar _definitions =
require(\n\n../definitions");\n\nfunction isNodesEquivalent(a, b) {\n  if (typeof a !== \n\nobject" || typeof b !==
\n\nobject" || a == null || b == null) {\n    return a === b;\n  }\n\n  if (a.type !== b.type) {\n    return false;\n  }\n\n  const fields = Object.keys(_definitions.NODE_FIELDS[a.type] || a.type);\n  const visitorKeys =
_definitions.VISITOR_KEYS[a.type];\n\n  for (const field of fields) {\n    if (typeof a[field] !== typeof b[field]) {\n
return false;\n    }\n\n    if (a[field] == null && b[field] == null) {\n      continue;\n    } else if (a[field] == null ||
b[field] == null) {\n      return false;\n    }\n\n    if (Array.isArray(a[field])) {\n      if (!Array.isArray(b[field])) {\n
return false;\n      }\n\n      if (a[field].length !== b[field].length) {\n        return false;\n      }\n\n      for (let i = 0; i <
a[field].length; i++) {\n        if (!isNodesEquivalent(a[field][i], b[field][i])) {\n          return false;\n        }\n      }\n\n      continue;\n    }\n\n    if (typeof a[field] === \n\nobject" && !(visitorKeys == null ? void 0 :
visitorKeys.includes(field))) {\n      for (const key of Object.keys(a[field])) {\n        if (a[field][key] !==
b[field][key]) {\n          return false;\n        }\n      }\n\n      continue;\n    }\n\n    if (!isNodesEquivalent(a[field],
b[field])) {\n      return false;\n    }\n  }\n\n  return true;\n }", "\n\nuse strict";\n\nObject.defineProperty(exports,
\n\n__esModule", {\n value: true\n});\n\nexports.default = isReferenced;\n\nfunction isReferenced(node, parent,
grandparent) {\n  switch (parent.type) {\n    case \n\nMemberExpression":\n      case \n\nJSXMemberExpression":\n      case \n\nOptionalMemberExpression":\n        if (parent.property === node) {\n          return !!parent.computed;\n        }\n\n        return parent.object === node;\n      case \n\nVariableDeclarator":\n        return parent.init === node;\n      case \n\nArrowFunctionExpression":\n        return parent.body === node;\n      case \n\nExportSpecifier":\n        if
(parent.source) {\n          return false;\n        }\n\n        return parent.local === node;\n      case \n\nPrivateName":\n        return false;\n      case \n\nClassMethod":\n      case \n\nClassPrivateMethod":\n      case \n\nObjectMethod":\n        if
(parent.params.includes(node)) {\n          return false;\n        }\n      case \n\nObjectProperty":\n      case
\n\nClassProperty":\n      case \n\nClassPrivateProperty":\n        if (parent.key === node) {\n          return
!!parent.computed;\n        }\n\n        if (parent.value === node) {\n          return !grandparent || grandparent.type !==
\n\nObjectPattern";\n        }\n\n        return true;\n      case \n\nClassDeclaration":\n      case \n\nClassExpression":\n        return parent.superClass === node;\n      case \n\nAssignmentExpression":\n        return parent.right === node;\n      case \n\nAssignmentPattern":\n        return parent.right === node;\n      case \n\nLabeledStatement":\n        return
false;\n      case \n\nCatchClause":\n        return false;\n      case \n\nRestElement":\n        return false;\n      case
\n\nBreakStatement":\n      case \n\nContinueStatement":\n        return false;\n      case \n\nFunctionDeclaration":\n      case
\n\nFunctionExpression":\n        return false;\n      case \n\nExportNamespaceSpecifier":\n      case
\n\nExportDefaultSpecifier":\n        return false;\n      case \n\nImportDefaultSpecifier":\n      case
\n\nImportNamespaceSpecifier":\n      case \n\nImportSpecifier":\n        return false;\n      case \n\nJSXAttribute":\n        return false;\n      case \n\nObjectPattern":\n      case \n\nArrayPattern":\n        return false;\n      case \n\nMetaProperty":\n        return false;\n      case \n\nObjectTypeProperty":\n        return parent.key !== node;\n      case
\n\nTSEnumMember":\n        return parent.id !== node;\n      case \n\nTSPropertySignature":\n        if (parent.key ===
node) {\n          return !!parent.computed;\n        }\n\n        return true;\n      case \n\nTSPropertySignature":\n        return true;\n }", "\n\nuse
strict";\n\nObject.defineProperty(exports, \n\n__esModule", {\n value: true\n});\n\nexports.default = isScope;\n\nvar
_generated = require(\n\n../generated");\n\nfunction isScope(node, parent) {\n  if (((0,
_generated.isBlockStatement)(node) && ((0, _generated.isFunction)(parent) || (0,
_generated.isCatchClause)(parent))) {\n    return false;\n  }\n\n  if (((0, _generated.isPattern)(node) && ((0,
_generated.isFunction)(parent) || (0, _generated.isCatchClause)(parent))) {\n    return true;\n  }\n\n  return (0,
_generated.isScopable)(node);\n }", "\n\nuse strict";\n\nObject.defineProperty(exports, \n\n__esModule", {\n value:
true\n});\n\nexports.default = isSpecifierDefault;\n\nvar _generated = require(\n\n../generated");\n\nfunction
isSpecifierDefault(specifier) {\n  return (0, _generated.isImportDefaultSpecifier)(specifier) || (0,
_generated.isIdentifier)(specifier.imported || specifier.exported, {\n    name: \n\ndefault"\n });\n }", "\n\nuse
strict";\n\nObject.defineProperty(exports, \n\n__esModule", {\n value: true\n});\n\nexports.default =
isValidES3Identifier;\n\nvar _isValidIdentifier =
_interopRequireDefault(require(\n\n../isValidIdentifier"));
\n\nfunction _interopRequireDefault(obj) { return obj &&

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obj.__esModule ? obj : { default: obj }; }
const RESERVED_WORDS_ES3_ONLY = new Set(["abstract",
"boolean", "byte", "char", "double", "enum", "final", "float", "goto", "implements", "int", "interface",
"long", "native", "package", "private", "protected", "public", "short", "static", "synchronized",
"throws", "transient", "volatile"]);
function isValidES3Identifier(name) {
  return (0, _isValidIdentifier.default)(name) && !RESERVED_WORDS_ES3_ONLY.has(name);
}
"use strict";
Object.defineProperty(exports, "__esModule", { value: true });
exports.default = isVar;
var _generated = require("./generated");
var _constants = require("../constants");
function isVar(node) {
  return (0, _generated.isVariableDeclaration)(node, { kind: "var" }) &&
    !node[_constants.BLOCK_SCOPED_SYMBOL];
}
/**
 * Detect Electron renderer / nwjs process, which is
 * node, but we should treat as a browser.
 * ^ (typeof process === 'undefined' || process.type === 'renderer' ||
 * process.browser === true || process.__nwjs)
 */
module.exports = require('./browser.js');
else
  module.exports = require('./node.js');
}
/**
 * eslint-env browser
 */
This is the web browser implementation of `debug()`.
exports.log = log;
exports.formatArgs = formatArgs;
exports.save = save;
exports.load = load;
exports.useColors = useColors;
exports.storage = localStorage();
/**
 * Colors
 */
exports.colors = [
  '#0000CC', '#0000FF', '#0033CC', '#0033FF', '#0066CC', '#0066FF', '#0099CC', '#0099FF',
  '#00CC00', '#00CC33', '#00CC66', '#00CC99', '#00CCCC', '#00CCFF', '#3300CC', '#3300FF',
  '#3333CC', '#3333FF', '#3366CC', '#3366FF', '#3399CC', '#3399FF', '#33CC00', '#33CC33',
  '#33CC66', '#33CC99', '#33CCCC', '#33CCFF', '#6600CC', '#6600FF', '#6633CC', '#6633FF',
  '#6666CC', '#6666FF', '#6699CC', '#6699FF', '#66CC00', '#66CC33', '#66CC66', '#66CC99',
  '#66CCCC', '#66CCFF', '#9900CC', '#9900FF', '#9933CC', '#9933FF', '#9966CC', '#9966FF',
  '#9999CC', '#9999FF', '#99CC00', '#99CC33', '#99CC66', '#99CC99', '#99CCCC', '#99CCFF',
  '#CC0000', '#CC0033', '#CC0066', '#CC0099', '#CC00CC', '#CC00FF', '#CC3300', '#CC3333',
  '#CC3366', '#CC3399', '#CC33CC', '#CC33FF', '#CC6600', '#CC6633', '#CC6666', '#CC6699',
  '#CC66CC', '#CC66FF', '#CC9900', '#CC9933', '#CC9966', '#CC9999', '#CC99CC', '#CC99FF',
  '#CCFF00', '#CCFF33', '#CCFF66', '#CCFF99', '#CCFFCC', '#CCFFFF', '#FF0000', '#FF0033',
  '#FF0066', '#FF0099', '#FF00CC', '#FF00FF', '#FF3300', '#FF3333', '#FF3366', '#FF3399',
  '#FF33CC', '#FF33FF', '#FF6600', '#FF6633', '#FF6666', '#FF6699', '#FF66CC', '#FF66FF',
  '#FF9900', '#FF9933', '#FF9966', '#FF9999', '#FF99CC', '#FF99FF', '#FFCC00', '#FFCC33'];
}
/**
 * Currently only WebKit-based Web Inspectors, Firefox >=
 * v31, and the Firebug extension (any Firefox version) are known
 * to support "%c" CSS customizations.
 *
 * TODO: add a `localStorage` variable to explicitly enable/disable colors
 */
function useColors() {
  // NB: In an Electron preload script, document will be defined but not
  // fully initialized. Since we know we're in Chrome, we'll just detect this case
  // explicitly.
  if (typeof window !== 'undefined' && window.process && (window.process.type === 'renderer' || window.process.__nwjs))
    return true;
  // Internet Explorer and Edge do not support colors.
  if (typeof navigator !== 'undefined' && navigator.userAgent && navigator.userAgent.toLowerCase().match(/(edge|trident)\/(\d+)/))
    return false;
  // Is webkit? http://stackoverflow.com/a/16459606/376773
  // document is undefined in react-native: https://github.com/facebook/react-native/pull/1632
  return (typeof document !== 'undefined' && document.documentElement && document.documentElement.style &&
    document.documentElement.style.WebkitAppearance) ||
    // Is firebug? http://stackoverflow.com/a/398120/376773
    (typeof window !== 'undefined' && window.console && (window.console.firebug || (window.console.exception && window.console.table))) ||
    // Is firefox >= v31? http://developer.mozilla.org/en-US/docs/Tools/Web_Console#Styling_messages
    (typeof navigator !== 'undefined' && navigator.userAgent && navigator.userAgent.toLowerCase().match(/firefox\/(\d+)/) &&
      parseInt(RegExp.$1, 10) >= 31) ||
    // Double check webkit in user agent just in case we are in a
    // worker.
    (typeof navigator !== 'undefined' && navigator.userAgent && navigator.userAgent.toLowerCase().match(/applewebkit\/(\d+)/));
}
/**
 * Colorize log arguments if enabled.
 */
@api public
function formatArgs(args) {
  args[0] = (this.useColors ? '%c : ' )
    + this.namespace +
    (this.useColors ? ' %c : ' ) +
    args[0] +
    (this.useColors ? ' %c : ' ) +
    this.diff;
  if (!this.useColors)
    return;
  const c = 'color: ' +
    this.color;
  args.splice(1, 0, c, 'color: inherit');
  // The final "%c" is somewhat tricky, because there could be
  // other arguments passed either before or after the %c, so we need to
  figure out the correct index to insert the

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CSS into\n\tlet index = 0;\n\tlet lastC = 0;\n\targs[0].replace(/%[a-zA-Z%]/g, match => {\n\t\tif (match === '%')
{\n\t\t\treturn;\n\t\t}\n\t\tindex++;\n\t\tif (match === 'c') {\n\t\t\t// We only are interested in the *last* %c\n\t\t\t//
(the user may have provided their own)\n\t\t\tlastC = index;\n\t\t\t\n\t\t};\n\t\targs.splice(lastC, 0, c);\n\t\t}\n\t\t\n\t\t*
Invokes `console.log()` when available.\n\t\t* No-op when `console.log` is not a `function`.\n\t\t*\n\t\t@api public\n\t\t*\n\t\tfunction log(...args) {\n\t\t\t// This hackery is required for IE8/9, where\n\t\t\t// the `console.log` function doesn't have
'apply'\n\t\t\treturn typeof console === 'object' &&\n\t\t\tconsole.log &&\n\t\t\tconsole.log(...args);\n\t\t\t\n\t\t}\n\t\t\n\t\t* Save
`namespaces`.\n\t\t*\n\t\t*@param {String} namespaces\n\t\t*\n\t\t@api private\n\t\t*\n\t\tfunction save(namespaces) {\n\t\t\ttry
{\n\t\t\t\tif (namespaces) {\n\t\t\t\t\texports.storage.setItem('debug', namespaces);\n\t\t\t\t} else
{\n\t\t\t\t\texports.storage.removeItem('debug');\n\t\t\t\t}\n\t\t\t} catch (error) {\n\t\t\t\t// Swallow\n\t\t\t\t// XXX (@Qix-) should
we be logging these?\n\t\t\t}\n\t\t}\n\t\t\n\t\t* Load `namespaces`.\n\t\t*\n\t\t*@return {String} returns the previously
persisted debug modes\n\t\t*\n\t\t@api private\n\t\t*\n\t\tfunction load() {\n\t\t\tlet r;\n\t\t\ttry {\n\t\t\t\ttr =
exports.storage.getItem('debug');\n\t\t\t} catch (error) {\n\t\t\t\t// Swallow\n\t\t\t\t// XXX (@Qix-) should we be logging
these?\n\t\t\t}\n\t\t\t\n\t\t\t// If debug isn't set in LS, and we're in Electron, try to load $DEBUG\n\t\t\tif (!r && typeof process
!== 'undefined' && 'env' in process) {\n\t\t\t\ttr = process.env.DEBUG;\n\t\t\t}\n\t\t\t\n\t\t\treturn r;\n\t\t}\n\t\t\n\t\t* Localstorage
attempts to return the localstorage.\n\t\t*\n\t\t* This is necessary because safari throws\n\t\t* when a user disables
cookies/localstorage\n\t\t* and you attempt to access it.\n\t\t*\n\t\t*@return {LocalStorage}\n\t\t*\n\t\t@api private\n\t\t*\n\t\tfunction localStorage() {\n\t\t\ttry {\n\t\t\t\t// TVMLKit (Apple TV JS Runtime) does not have a window object, just
localStorage in the global context\n\t\t\t\t// The Browser also has localStorage in the global context.\n\t\t\t\treturn
localStorage;\n\t\t\t} catch (error) {\n\t\t\t\t// Swallow\n\t\t\t\t// XXX (@Qix-) should we be logging
these?\n\t\t\t}\n\t\t}\n\t\t\n\t\tmodule.exports = require('./common')(exports);\n\t\t\n\t\tconst {formatters} = module.exports;\n\t\t\n\t\t* Map %j to `JSON.stringify()`, since no Web Inspectors do that by default.\n\t\t*\n\t\t*\n\t\tfunction formatters.j = function (v)
{\n\t\t\ttry {\n\t\t\t\treturn JSON.stringify(v);\n\t\t\t} catch (error) {\n\t\t\t\treturn '[UnexpectedJSONParseError]: ' +
error.message;\n\t\t\t}\n\t\t}\n\t\t\n\t\t*\n\t\t*\n\t\tHelpers.\n\t\t*\n\t\t*\n\t\t* nvar s = 1000;\n\t\t*\n\t\t*\n\t\t* nvar m = s * 60;\n\t\t*\n\t\t*\n\t\t* nvar h = m * 60;\n\t\t*\n\t\t*\n\t\t* nvar d = h *
24;\n\t\t*\n\t\t*\n\t\t* nvar w = d * 7;\n\t\t*\n\t\t*\n\t\t* nvar y = d * 365.25;\n\t\t*\n\t\t*\n\t\t* Parse or format the given `val`.\n\t\t*\n\t\t*\n\t\t* Options:\n\t\t*\n\t\t*\n\t\t* - `long`
verbose formatting [false]\n\t\t*\n\t\t*\n\t\t*@param {String|Number} val\n\t\t*\n\t\t*\n\t\t*@param {Object} [options]\n\t\t*\n\t\t*\n\t\t*@throws
{Error} throw an error if val is not a non-empty string or a number\n\t\t*\n\t\t*\n\t\t*@return {String|Number}\n\t\t*\n\t\t*\n\t\t@api public\n\t\t*\n\t\t*\n\t\tfunction exports = function(val, options) {\n\t\t\toptions = options || {};\n\t\t\tvar type = typeof val;\n\t\t\tif (type ===
'string' && val.length > 0) {\n\t\t\t\treturn parse(val);\n\t\t\t} else if (type === 'number' && isFinite(val)) {\n\t\t\t\treturn
options.long ? fmtLong(val) : fmtShort(val);\n\t\t\t}\n\t\t\t\n\t\t\tthrow new Error('\n\t\t\t\t`val` is not a non-empty string or a valid
number. val=`' +\n\t\t\t\tJSON.stringify(val)\n\t\t\t\t`);\n\t\t\t}\n\t\t\t\n\t\t\t*\n\t\t\t*\n\t\t\tParse the given `str` and return milliseconds.\n\t\t\t*\n\t\t\t*\n\t\t\t*@param {String} str\n\t\t\t*\n\t\t\t*\n\t\t\t*@return {Number}\n\t\t\t*\n\t\t\t*\n\t\t\t@api private\n\t\t\t*\n\t\t\t*\n\t\t\tfunction parse(str) {\n\t\t\t\tstr = String(str);\n\t\t\t\tif
(str.length > 100) {\n\t\t\t\t\treturn;\n\t\t\t\t}\n\t\t\t\t\n\t\t\t\tvar match = /^(?:(\d+)?\.\d+)?$/;\n\t\t\t\t\n\t\t\t\t*(milliseconds?|mssecs?|ms|seconds?|secs?|s|minutes?|mins?|m|hours?|hrs?|h|days?|d|weeks?|w|years?|yrs?|y)?$/i.exec
(\n\t\t\t\t\tstr\n\t\t\t\t);\n\t\t\t\t\n\t\t\t\tif (!match) {\n\t\t\t\t\treturn;\n\t\t\t\t}\n\t\t\t\t\n\t\t\t\tvar n = parseFloat(match[1]);\n\t\t\t\t\n\t\t\t\tvar type = (match[2] ||
'ms').toLowerCase();\n\t\t\t\t\n\t\t\t\tswitch (type) {\n\t\t\t\t\tcase 'years':\n\t\t\t\t\tcase 'year':\n\t\t\t\t\tcase 'yrs':\n\t\t\t\t\tcase 'yr':\n\t\t\t\t\tcase 'y':\n\t\t\t\t\treturn n * y;\n\t\t\t\t\tcase 'weeks':\n\t\t\t\t\tcase 'week':\n\t\t\t\t\tcase 'w':\n\t\t\t\t\treturn n * w;\n\t\t\t\t\tcase 'days':\n\t\t\t\t\tcase 'day':\n\t\t\t\t\tcase
'd':\n\t\t\t\t\treturn n * d;\n\t\t\t\t\tcase 'hours':\n\t\t\t\t\tcase 'hour':\n\t\t\t\t\tcase 'hrs':\n\t\t\t\t\tcase 'hr':\n\t\t\t\t\tcase 'h':\n\t\t\t\t\treturn n * h;\n\t\t\t\t\tcase 'minutes':\n\t\t\t\t\tcase 'minute':\n\t\t\t\t\tcase 'mins':\n\t\t\t\t\tcase 'min':\n\t\t\t\t\tcase 'm':\n\t\t\t\t\treturn n * m;\n\t\t\t\t\tcase 'seconds':\n\t\t\t\t\tcase 'second':\n\t\t\t\t\tcase 'secs':\n\t\t\t\t\tcase 'sec':\n\t\t\t\t\tcase 's':\n\t\t\t\t\treturn n * s;\n\t\t\t\t\tcase 'milliseconds':\n\t\t\t\t\tcase
'millisecond':\n\t\t\t\t\tcase 'msecs':\n\t\t\t\t\tcase 'msec':\n\t\t\t\t\tcase 'ms':\n\t\t\t\t\treturn n;\n\t\t\t\t\tdefault:\n\t\t\t\t\treturn undefined;\n\t\t\t\t}\n\t\t\t}\n\t\t\t\n\t\t\t*\n\t\t\t*\n\t\t\tShort format for `ms`.\n\t\t\t*\n\t\t\t*\n\t\t\t*@param {Number} ms\n\t\t\t*\n\t\t\t*\n\t\t\t*@return {String}\n\t\t\t*\n\t\t\t*\n\t\t\t@api private\n\t\t\t*\n\t\t\t*\n\t\t\tfunction fmtShort(ms) {\n\t\t\t\tvar msAbs = Math.abs(ms);\n\t\t\t\tif (msAbs >= d) {\n\t\t\t\t\treturn Math.round(ms / d) +
'd';\n\t\t\t\t}\n\t\t\t\tif (msAbs >= h) {\n\t\t\t\t\treturn Math.round(ms / h) + 'h';\n\t\t\t\t}\n\t\t\t\tif (msAbs >= m) {\n\t\t\t\t\treturn
Math.round(ms / m) + 'm';\n\t\t\t\t}\n\t\t\t\tif (msAbs >= s) {\n\t\t\t\t\treturn Math.round(ms / s) + 's';\n\t\t\t\t}\n\t\t\t\t\n\t\t\t\treturn ms +
'ms';\n\t\t\t}\n\t\t\t\n\t\t\t*\n\t\t\t*\n\t\t\tLong format for `ms`.\n\t\t\t*\n\t\t\t*\n\t\t\t*@param {Number} ms\n\t\t\t*\n\t\t\t*\n\t\t\t*@return {String}\n\t\t\t*\n\t\t\t*\n\t\t\t@api private\n\t\t\t*\n\t\t\t*\n\t\t\tfunction fmtLong(ms) {\n\t\t\t\tvar msAbs = Math.abs(ms);\n\t\t\t\tif (msAbs >= d) {\n\t\t\t\t\treturn plural(ms, msAbs, d,
'day');\n\t\t\t\t}\n\t\t\t\tif (msAbs >= h) {\n\t\t\t\t\treturn plural(ms, msAbs, h, 'hour');\n\t\t\t\t}\n\t\t\t\tif (msAbs >= m) {\n\t\t\t\t\treturn
plural(ms, msAbs, m, 'minute');\n\t\t\t\t}\n\t\t\t\tif (msAbs >= s) {\n\t\t\t\t\treturn plural(ms, msAbs, s, 'second');\n\t\t\t\t}\n\t\t\t\t\n\t\t\t\treturn ms

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+ 'ms';\n\n/**\n * Pluralization helper.\n *\nfunction plural(ms, msAbs, n, name) {\n  var isPlural = msAbs >=
n * 1.5;\n  return Math.round(ms / n) + ' ' + name + (isPlural ? 's' : '');\n}\n\n"/**\n * Module dependencies.\n
*\n\nconst tty = require('tty');\nconst util = require('util');\n\n/**\n * This is the Node.js implementation of
`debug()`.\n *\n\nexports.init = init;\nexports.log = log;\nexports.formatArgs = formatArgs;\nexports.save =
save;\nexports.load = load;\nexports.useColors = useColors;\n\n/**\n * Colors.\n *\n\nexports.colors = [6, 2, 3, 4,
5, 1];\n\ntry {\n  // Optional dependency (as in, doesn't need to be installed, NOT like optionalDependencies in
package.json)\n  // eslint-disable-next-line import/no-extraneous-dependencies\n  const supportsColor =
require('supports-color');\n  // if (supportsColor && (supportsColor.stderr || supportsColor).level >= 2)
{\n    exports.colors =
[\n      20,\n      21,\n      26,\n      27,\n      32,\n      33,\n      38,\n      39,\n      40,\n      41,\n      42,\n      43,\n      44,\n      45,\n      56,\n      57,\n      62,\n      63,\n      68,\n      69,\n      74,\n      75,\n      76,\n      77,\n      78,\n      79,\n      80,\n      81,\n      92,\n      93,\n      98,\n      99,\n      112,\n      113,\n      128,\n      129,\n      134,\n      135,\n      148,\n      149,\n      160,\n      161,\n      162,\n      163,\n      164,\n      165,\n      166,\n      167,\n      168,\n      169,\n      170,\n      171,\n      172,\n      173,\n      178,\n      179,\n      184,\n      185,\n      196,\n      197,\n      198,\n      199,\n      200,\n      201,\n      202,\n      203,\n      204,\n      205,\n      206,\n      207,\n      208,\n      209,\n      214,\n      215,\n      220,\n      221\n    ];\n  }\n} catch (error) {\n  // Swallow - we only care
if `supports-color` is available; it doesn't have to be.\n}\n\n/**\n * Build up the default `inspectOpts` object from the
environment variables.\n *\n * $ DEBUG_COLORS=no DEBUG_DEPTH=10
DEBUG_SHOW_HIDDEN=enabled node script.js\n *\n\nexports.inspectOpts =
Object.keys(process.env).filter(key => {\n  return /^debug_/.test(key);\n}).reduce((obj, key) => {\n  // Camel-
case\n  const prop = key\n    .substring(6)\n    .toLowerCase()\n    .replace(/_([a-z])/g, (_, k) => {\n      return
k.toUpperCase();\n    });\n  // Coerce string value into JS value\n  let val = process.env[key];\n  // if
(/^(yes|on|true|enabled)$/i.test(val)) {\n    val = true;\n  } else if (/^(no|off|false|disabled)$/i.test(val)) {\n    val =
false;\n  } else if (val === 'null') {\n    val = null;\n  } else {\n    val = Number(val);\n  }\n  obj[prop] =
val;\n  return obj;\n}, {});\n\n/**\n * Is stdout a TTY? Colored output is enabled when `true`.\n *\nfunction
useColors() {\n  return 'colors' in exports.inspectOpts ?\n    Boolean(exports.inspectOpts.colors)\n    :\n    (tty.isatty(process.stderr.fd));\n}\n\n/**\n * Adds ANSI color escape codes if enabled.\n *\n * @api public\n
*\nfunction formatArgs(args) {\n  const {namespace: name, useColors} = this;\n  // if (useColors) {\n    const c =
this.color;\n    const colorCode = '\u001B[3' + (c < 8 ? c : '8;5;' + c);\n    const prefix = `
${colorCode};1m${name} \u001B[0m`;\n    // args[0] = prefix + args[0].split('\\n').join('\\n' +
prefix);\n    // args.push(colorCode + 'm' + module.exports.humanize(this.diff) + '\u001B[0m');\n  } else
{\n    // args[0] = getDate() + name + ' ' + args[0];\n  }\n}\n\nfunction getDate() {\n  // if (exports.inspectOpts.hideDate)
{\n    return '';\n  }\n  return new Date().toISOString() + ' ';\n}\n\n/**\n * Invokes `util.format()` with the specified
arguments and writes to stderr.\n *\nfunction log(...args) {\n  return process.stderr.write(util.format(...args) +
'\n');\n}\n\n/**\n * Save `namespaces`.\n *\n * @param {String} namespaces\n *\n * @api private\n *\nfunction
save(namespaces) {\n  // if (namespaces) {\n    // process.env.DEBUG = namespaces;\n  } else {\n    // If you set a
process.env field to null or undefined, it gets cast to the\n    // string 'null' or 'undefined'. Just delete
instead.\n    delete process.env.DEBUG;\n  }\n}\n\n/**\n * Load `namespaces`.\n *\n * @return {String} returns the
previously persisted debug modes\n *\n * @api private\n *\nfunction load() {\n  return
process.env.DEBUG;\n}\n\n/**\n * Init logic for `debug` instances.\n *\n * Create a new `inspectOpts` object in
case `useColors` is set\n * differently for a particular `debug` instance.\n *\nfunction init(debug) {\n  debug.inspectOpts = {};\n  const keys = Object.keys(exports.inspectOpts);\n  for (let i = 0; i < keys.length;
i++) {\n    debug.inspectOpts[keys[i]] = exports.inspectOpts[keys[i]];\n  }\n  // module.exports =
require('./common')(exports);\n  const {formatters} = module.exports;\n  // Map %o to `util.inspect()`, all on a
single line.\n  // formatters.o = function (v) {\n    // this.inspectOpts.colors = this.useColors;\n    // return util.inspect(v,
this.inspectOpts)\n    // .replace(/\s*\n\s*/g, ' '); \n  };\n  // Map %O to `util.inspect()`, allowing multiple lines if
needed.\n  // formatters.O = function (v) {\n    // this.inspectOpts.colors = this.useColors;\n    // return util.inspect(v,
this.inspectOpts);\n  }; \n  // module.exports = require('tty');\n  // module.exports = require('util');\n  // use

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strict';\nconst os = require('os');\nconst hasFlag = require('has-flag');\n\nconst { env } = process;\n\nlet forceColor;\n\nif (hasFlag('no-color') ||\n  hasFlag('no-colors') ||\n  hasFlag('color=false') ||\n  hasFlag('color=never')) {\n  forceColor = 0;\n} else if (hasFlag('color') ||\n  hasFlag('color=true') ||\n  hasFlag('color=always')) {\n  forceColor = 1;\n}\n\nif ('FORCE_COLOR' in env) {\n  if (env.FORCE_COLOR === true ||\n    env.FORCE_COLOR === 'true') {\n    forceColor = 1;\n  } else if (env.FORCE_COLOR === false ||\n    env.FORCE_COLOR === 'false') {\n    forceColor = 0;\n  } else {\n    forceColor = env.FORCE_COLOR.length === 0 ? 1 : Math.min(parseInt(env.FORCE_COLOR, 10), 3);\n  }\n}\n\nfunction translateLevel(level) {\n  if (level === 0) {\n    return false;\n  }\n  return {\n    level, \n    hasBasic: true, \n    has256: level >= 2, \n    has16m: level >= 3\n  };\n}\n\nfunction supportsColor(stream) {\n  if (forceColor === 0) {\n    return 0;\n  }\n  if (hasFlag('color=16m') ||\n    hasFlag('color=full') ||\n    hasFlag('color=truecolor')) {\n    return 3;\n  }\n  if (hasFlag('color=256')) {\n    return 2;\n  }\n  if (stream && !stream.isTTY && forceColor === undefined) {\n    return 0;\n  }\n  const min = forceColor || 0;\n  if (env.TERM === 'dumb') {\n    return min;\n  }\n  if (process.platform === 'win32') {\n    // Node.js 7.5.0 is the first version of Node.js to include a patch to libuv that enables 256 color output on Windows. Anything earlier and it won't work. However, here we target Node.js 8 at minimum as it is an LTS release, and Node.js 7 is not. Windows 10 build 10586 is the first Windows release that supports 256 colors. Windows 10 build 14931 is the first release that supports 16m/TrueColor.\n    const osRelease = os.release().split('.');\n    if ((\n      Number(process.versions.node.split('.')[0]) >= 8 &&\n      Number(osRelease[0]) >= 10 &&\n      Number(osRelease[2]) >= 10586\n    )) {\n      return Number(osRelease[2]) >= 14931 ? 3 : 2;\n    }\n    return 1;\n  }\n  if ('CI' in env) {\n    if (['TRAVIS', 'CIRCLECI', 'APPVEYOR', 'GITLAB_CI'].some(sign => sign in env) ||\n      env.CI_NAME === 'codeship') {\n      return 1;\n    }\n    if ('TEAMCITY_VERSION' in env) {\n      return /^(9\.(0*[1-9]\d*)\\.)/.test(env.TEAMCITY_VERSION) ? 1 : 0;\n    }\n    if (env.COLORTERM === 'truecolor') {\n      return 3;\n    }\n    if ('TERM_PROGRAM' in env) {\n      const version = parseInt((env.TERM_PROGRAM_VERSION || '').split('.')[0], 10);\n      switch (env.TERM_PROGRAM) {\n        case 'iTerm.app':\n          return version >= 3 ? 3 : 2;\n        case 'Apple_Terminal':\n          return 2;\n        // No default\n        default:\n          if (/^-256(color)?$/i.test(env.TERM)) {\n            return 2;\n          }\n          if (/^screen|^xterm|^vt100|^rxvt|color|ansi|cygwin|linux/i.test(env.TERM)) {\n            return 1;\n          }\n          if ('COLORTERM' in env) {\n            return 1;\n          }\n          return min;\n        }\n      }\n    }\n  }\n  if (stream) {\n    level = supportsColor(stream);\n    return translateLevel(level);\n  }\n}\n\nmodule.exports = {\n  supportsColor,\n  getSupportLevel,\n  stdout: getSupportLevel(process.stdout),\n  stderr: getSupportLevel(process.stderr)\n};\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value: true\n});\n\nexports.default = void 0;\n\nvar _binding = _interopRequireDefault(require("../binding")); \n\nvar _helperSplitExportDeclaration = _interopRequireDefault(require("@babel/helper-split-export-declaration")); \n\nvar t = _interopRequireWildcard(require("@babel/types")); \n\nfunction _getRequireWildcardCache() {\n  if (typeof WeakMap !== "function")\n    return null;\n  var cache = new WeakMap();\n  _getRequireWildcardCache = function () {\n    return cache;\n  };\n  return cache;\n}\n\nfunction _interopRequireDefault(obj) {\n  if (obj && obj.__esModule) {\n    return obj;\n  } else if (obj === null || typeof obj !== "object" && typeof obj !== "function") {\n    return { default: obj };\n  } var cache = _getRequireWildcardCache();\n  if (cache && cache.has(obj)) {\n    return cache.get(obj);\n  } var newObj = {};\n  var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;\n  for (var key in obj) {\n    if (Object.prototype.hasOwnProperty.call(obj, key)) {\n      var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null;\n      if (desc && (desc.get || desc.set)) {\n        Object.defineProperty(newObj, key, desc);\n      } else {\n        newObj[key] = obj[key];\n      }\n    }\n  } newObj.default = obj;\n  if (cache) {\n    cache.set(obj, newObj);\n  }\n  return newObj;\n}\n\nfunction _interopRequireWildcard(obj) {\n  return obj && obj.__esModule ? obj : { default: obj };\n}\n\nconst renameVisitor = {\n  ReferencedIdentifier({\n    node\n  }, state) {\n    if (node.name === state.oldName) {\n      node.name = state.newName;\n    }\n  },\n  Scope(path, state) {\n    if (!path.scope.bindingIdentifierEquals(state.oldName, state.binding.identifier)) {\n      path.skip();\n    }\n  },\n  "AssignmentExpression|Declaration|VariableDeclarator"(path, state) {\n    if (path.isVariableDeclaration())

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exportDeclaration.replaceWith(updatedDeclaration);\n\n  if (needBindingRegistration) {\n
scope.registerDeclaration(exportDeclaration);\n  }\n\n  return exportDeclaration;\n }\n\n if
(exportDeclaration.get("specifiers").length > 0) {\n  throw new Error("It doesn't make sense to split exported
specifiers.");\n }\n\n const bindingIdentifiers = declaration.getOuterBindingIdentifiers();\n const specifiers =
Object.keys(bindingIdentifiers).map(name => {\n  return t.exportSpecifier(t.identifier(name), t.identifier(name));\n
});\n\n const aliasDeclar = t.exportNamedDeclaration(null, specifiers);\n
exportDeclaration.insertAfter(aliasDeclar);\n\n exportDeclaration.replaceWith(declaration.node);\n\n return
exportDeclaration;\n }", "\"use strict\"";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.default = void 0;\n\nvar _buildMatchMemberExpression =
require(\"../buildMatchMemberExpression\");\n\nconst isReactComponent = (0,
_buildMatchMemberExpression.default)(\"React.Component\");\n\nvar _default =
isReactComponent;\n\nexports.default = _default;\", "\"use strict\"";\n\nObject.defineProperty(exports, \"__esModule\",
{\n value: true\n});\n\nexports.default = isCompatTag;\n\nfunction isCompatTag(tagName) {\n return !!tagName
&& /^[a-z]/.test(tagName);\n }\", "\"use strict\"";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.default = buildChildren;\n\nvar _generated = require(\"../validators/generated\");\n\nvar
_cleanJSXElementLiteralChild = require(\"../utils/react/cleanJSXElementLiteralChild\");\n\nfunction
buildChildren(node) {\n  const elements = [];\n\n  for (let i = 0; i < node.children.length; i++) {\n    let child =
node.children[i];\n\n    if ((0, _generated.isJSXText)(child)) {\n      (0, _cleanJSXElementLiteralChild.default)(child,
elements);\n      continue;\n    }\n\n    if ((0, _generated.isJSXExpressionContainer)(child)) child =
child.expression;\n\n    if ((0, _generated.isJSXEmptyExpression)(child)) continue;\n\n    elements.push(child);\n  }\n\n  return elements;\n }\", "\"use strict\"";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.default = cleanJSXElementLiteralChild;\n\nvar _generated =
require(\"../builders/generated\");\n\nfunction cleanJSXElementLiteralChild(child, args) {\n  const lines =
child.value.split(/\\r\\n|\\n|\\r/);\n  let lastNonEmptyLine = 0;\n\n  for (let i = 0; i < lines.length; i++) {\n    if
(lines[i].match(/^[\\t]/)) {\n      lastNonEmptyLine = i;\n    }\n\n    let str = \"\";\n\n    for (let i = 0; i < lines.length;
i++) {\n      const line = lines[i];\n      const isFirstLine = i === 0;\n      const isLastLine = i === lines.length - 1;\n
const isLastNonEmptyLine = i === lastNonEmptyLine;\n      let trimmedLine = line.replace(/\\t/g, \" \");\n\n      if
(!isFirstLine) {\n        trimmedLine = trimmedLine.replace(/^[ ]+/, \"\");\n      }\n\n      if (!isLastLine) {\n
trimmedLine = trimmedLine.replace(/[ ]+$/, \"\");\n      }\n\n      if (trimmedLine) {\n        if (!isLastNonEmptyLine) {\n
trimmedLine += \" \";\n        }\n\n        str += trimmedLine;\n      }\n    }\n\n    if (str) args.push((0,
_generated.stringLiteral)(str));\n  }\", "\"use strict\"";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.default = builder;\n\nvar _definitions = require(\"../definitions\");\n\nvar _validate =
require(\"../validators/validate\");\n\nfunction builder(type, ...args) {\n  const keys =
_definitions.BUILDER_KEYS[type];\n  const countArgs = args.length;\n\n  if (countArgs > keys.length) {\n
throw new Error(`$${type}: Too many arguments passed. Received ${countArgs} but can receive no more than
${keys.length}`);\n  }\n\n  const node = {\n    type\n  };\n  let i = 0;\n  keys.forEach(key => {\n    const field =
_definitions.NODE_FIELDS[type][key];\n    let arg;\n\n    if (i < countArgs) arg = args[i];\n\n    if (arg ===
undefined) {\n      arg = Array.isArray(field.default) ? [] : field.default;\n    }\n\n    node[key] = arg;\n    i++;\n  });\n\n  for (const key of Object.keys(node)) {\n    (0, _validate.default)(node, key, node[key]);\n  }\n\n  return
node;\n }\", "\"use strict\"";\n\nvar _utils = require(\"../utils\");\n\nconst defineInterfaceishType = (name,
typeParameterType = \"TypeParameterDeclaration\") => {\n  (0, _utils.default)(name, {\n    builder: [\"id\",
\"typeParameters\", \"extends\", \"body\"],\n    visitor: [\"id\", \"typeParameters\", \"extends\", \"mixins\",
\"implements\", \"body\"],\n    aliases: [\"Flow\", \"FlowDeclaration\", \"Statement\", \"Declaration\"],\n    fields: {\n
id: (0, _utils.validateType)(\"Identifier\"),\n    typeParameters: (0,
_utils.validateOptionalType)(typeParameterType),\n    extends: (0, _utils.validateOptional)((0,
_utils.arrayOfType)(\"InterfaceExtends\")),\n    mixins: (0, _utils.validateOptional)((0,
_utils.arrayOfType)(\"InterfaceExtends\")),\n    implements: (0, _utils.validateOptional)((0,
_utils.arrayOfType)(\"ClassImplements\")),\n    body: (0, _utils.validateType)(\"ObjectTypeAnnotation\")\n  })\n }

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});\n});\n(0, _utils.default)(\`AnyTypeAnnotation\`, {\n aliases: [\`Flow\`, \`FlowType\`,
\`FlowBaseAnnotation\`]\n});\n(0, _utils.default)(\`ArrayTypeAnnotation\`, {\n visitor: [\`elementType\`],\n
aliases: [\`Flow\`, \`FlowType\`],\n fields: {\n elementType: (0, _utils.validateType)(\`FlowType\`)\n }
});\n(0, _utils.default)(\`BooleanTypeAnnotation\`, {\n aliases: [\`Flow\`, \`FlowType\`,
\`FlowBaseAnnotation\`]\n});\n(0, _utils.default)(\`BooleanLiteralTypeAnnotation\`, {\n builder: [\`value\`],\n
aliases: [\`Flow\`, \`FlowType\`],\n fields: {\n value: (0, _utils.validate)(0,
_utils.assertValueType)(\`boolean\`)\n }
});\n(0, _utils.default)(\`NullLiteralTypeAnnotation\`, {\n aliases:
[\`Flow\`, \`FlowType\`, \`FlowBaseAnnotation\`]\n});\n(0, _utils.default)(\`ClassImplements\`, {\n visitor: [\`id\`,
\`typeParameters\`],\n aliases: [\`Flow\`],\n fields: {\n id: (0, _utils.validateType)(\`Identifier\`),\n
typeParameters: (0, _utils.validateOptionalType)(\`TypeParameterInstantiation\`)\n
}
});\n(0, _utils.default)(\`DeclareClass\`, {\n visitor: [\`id\`],\n
aliases: [\`Flow\`, \`FlowDeclaration\`, \`Statement\`, \`Declaration\`],\n fields: {\n id: (0,
_utils.validateType)(\`Identifier\`),\n predicate: (0, _utils.validateOptionalType)(\`DeclaredPredicate\`)\n
}
});\n(0, _utils.default)(\`DeclareInterface\`, {\n visitor: [\`id\`, \`body\`, \`kind\`],\n
aliases: [\`Flow\`, \`FlowDeclaration\`, \`Statement\`,
\`Declaration\`],\n fields: {\n id: (0, _utils.validateType)([\`Identifier\`, \`StringLiteral\`]),\n
body: (0,
_utils.validateType)(\`BlockStatement\`),\n kind: (0, _utils.validateOptional)(0,
_utils.assertOneOf)(\`CommonJS\`, \`ES\`)\n }
});\n(0, _utils.default)(\`DeclareModuleExports\`, {\n visitor:
[\`typeAnnotation\`],\n aliases: [\`Flow\`, \`FlowDeclaration\`, \`Statement\`, \`Declaration\`],\n
fields: {\n typeAnnotation: (0, _utils.validateType)(\`TypeAnnotation\`)\n }
});\n(0, _utils.default)(\`DeclareTypeAlias\`, {\n visitor: [\`id\`, \`typeParameters\`, \`right\`],\n
aliases: [\`Flow\`, \`FlowDeclaration\`, \`Statement\`,
\`Declaration\`],\n fields: {\n id: (0, _utils.validateType)(\`Identifier\`),\n
typeParameters: (0,
_utils.validateOptionalType)(\`TypeParameterDeclaration\`),\n right: (0, _utils.validateType)(\`FlowType\`)\n
}
});\n(0, _utils.default)(\`DeclareOpaqueType\`, {\n visitor: [\`id\`, \`typeParameters\`, \`supertype\`],\n
aliases:
[\`Flow\`, \`FlowDeclaration\`, \`Statement\`, \`Declaration\`],\n fields: {\n id: (0,
_utils.validateType)(\`Identifier\`),\n typeParameters: (0,
_utils.validateOptionalType)(\`TypeParameterDeclaration\`),\n supertype: (0,
_utils.validateOptionalType)(\`FlowType\`)\n }
});\n(0, _utils.default)(\`DeclareVariable\`, {\n visitor: [\`id\`],\n
aliases: [\`Flow\`, \`FlowDeclaration\`, \`Statement\`, \`Declaration\`],\n fields: {\n id: (0,
_utils.validateType)(\`Identifier\`)\n }
});\n(0, _utils.default)(\`DeclareExportDeclaration\`, {\n visitor:
[\`declaration\`, \`specifiers\`, \`source\`],\n aliases: [\`Flow\`, \`FlowDeclaration\`, \`Statement\`,
\`Declaration\`],\n fields: {\n declaration: (0, _utils.validateOptionalType)(\`Flow\`),\n
specifiers: (0,
_utils.validateOptional)((0, _utils.arrayOfType)([\`ExportSpecifier\`, \`ExportNamespaceSpecifier\`]),\n
source:
(0, _utils.validateOptionalType)(\`StringLiteral\`),\n default: (0, _utils.validateOptional)((0,
_utils.assertValueType)(\`boolean\`)\n }
});\n(0, _utils.default)(\`DeclareExportAllDeclaration\`, {\n visitor:
[\`source\`],\n aliases: [\`Flow\`, \`FlowDeclaration\`, \`Statement\`, \`Declaration\`],\n
fields: {\n source: (0,
_utils.validateType)(\`StringLiteral\`),\n exportKind: (0, _utils.validateOptional)((0, _utils.assertOneOf)(\`type\`,
\`value\`)\n }
});\n(0, _utils.default)(\`DeclaredPredicate\`, {\n visitor: [\`value\`],\n
aliases: [\`Flow\`,
\`FlowPredicate\`],\n fields: {\n value: (0, _utils.validateType)(\`Flow\`)\n }
});\n(0,
_utils.default)(\`ExistsTypeAnnotation\`, {\n aliases: [\`Flow\`, \`FlowType\`]\n });\n(0,
_utils.default)(\`FunctionTypeAnnotation\`, {\n visitor: [\`typeParameters\`, \`params\`, \`rest\`, \`returnType\`],\n
aliases: [\`Flow\`, \`FlowType\`],\n fields: {\n typeParameters: (0,
_utils.validateOptionalType)(\`TypeParameterDeclaration\`),\n params: (0, _utils.validate)((0,
_utils.arrayOfType)(\`FunctionTypeParam\`)),\n rest: (0, _utils.validateOptionalType)(\`FunctionTypeParam\`),\n
this: (0, _utils.validateOptionalType)(\`FunctionTypeParam\`),\n returnType: (0,
_utils.validateType)(\`FlowType\`)\n }
});\n(0, _utils.default)(\`FunctionTypeParam\`, {\n visitor: [\`name\`,
\`typeAnnotation\`],\n aliases: [\`Flow\`],\n fields: {\n name: (0, _utils.validateOptionalType)(\`Identifier\`),\n
typeAnnotation: (0, _utils.validateType)(\`FlowType\`),\n optional: (0, _utils.validateOptional)((0,

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_utils.assertValueType)("boolean"))\n }\n});\n(0, _utils.default)("GenericTypeAnnotation", {\n visitor: ["id",
"typeParameters"],\n aliases: ["Flow", "FlowType"],\n fields: {\n id: (0, _utils.validateType)("Identifier",
"QualifiedTypeIdentifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterInstantiation")\n }\n});\n(0, _utils.default)("InferredPredicate", {\n
aliases: ["Flow", "FlowPredicate"]\n});\n(0, _utils.default)("InterfaceExtends", {\n visitor: ["id",
"typeParameters"],\n aliases: ["Flow"],\n fields: {\n id: (0, _utils.validateType)("Identifier",
"QualifiedTypeIdentifier"),\n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterInstantiation")\n
}\n});\n\ndefineInterfaceishType("InterfaceDeclaration");\n(0, _utils.default)("InterfaceTypeAnnotation", {\n
visitor: ["extends", "body"],\n aliases: ["Flow", "FlowType"],\n fields: {\n extends: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("InterfaceExtends")), \n body: (0,
_utils.validateType)("ObjectTypeAnnotation")\n }\n});\n(0, _utils.default)("IntersectionTypeAnnotation", {\n
visitor: ["types"],\n aliases: ["Flow", "FlowType"],\n fields: {\n types: (0, _utils.validate)((0,
_utils.arrayOfType)("FlowType"))\n }\n});\n(0, _utils.default)("MixedTypeAnnotation", {\n aliases: ["Flow",
"FlowType", "FlowBaseAnnotation"]\n});\n(0, _utils.default)("EmptyTypeAnnotation", {\n aliases: ["Flow",
"FlowType", "FlowBaseAnnotation"]\n});\n(0, _utils.default)("NullableTypeAnnotation", {\n visitor:
["typeAnnotation"],\n aliases: ["Flow", "FlowType"],\n fields: {\n typeAnnotation: (0,
_utils.validateType)("FlowType")\n }\n});\n(0, _utils.default)("NumberLiteralTypeAnnotation", {\n builder:
["value"],\n aliases: ["Flow", "FlowType"],\n fields: {\n value: (0, _utils.validate)((0,
_utils.assertValueType)("number"))\n }\n});\n(0, _utils.default)("NumberTypeAnnotation", {\n aliases:
["Flow", "FlowType", "FlowBaseAnnotation"]\n});\n(0, _utils.default)("ObjectTypeAnnotation", {\n visitor:
["properties", "indexers", "callProperties", "internalSlots"],\n aliases: ["Flow", "FlowType"],\n builder:
["properties", "indexers", "callProperties", "internalSlots", "exact"],\n fields: {\n properties: (0,
_utils.validate)((0, _utils.arrayOfType)("ObjectTypeProperty", "ObjectTypeSpreadProperty")), \n indexers: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("ObjectTypeIndexer")), \n callProperties: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("ObjectTypeCallProperty")), \n internalSlots: (0,
_utils.validateOptional)((0, _utils.arrayOfType)("ObjectTypeInternalSlot")), \n exact: {\n validate: (0,
_utils.assertValueType)("boolean"), \n default: false \n }, \n inexact: (0, _utils.validateOptional)((0,
_utils.assertValueType)("boolean"))\n }\n});\n(0, _utils.default)("ObjectTypeInternalSlot", {\n visitor: ["id",
"value", "optional", "static", "method"],\n aliases: ["Flow", "UserWhitespacable"],\n fields: {\n id: (0,
_utils.validateType)("Identifier"), \n value: (0, _utils.validateType)("FlowType"), \n optional: (0,
_utils.validate)((0, _utils.assertValueType)("boolean")), \n static: (0, _utils.validate)((0,
_utils.assertValueType)("boolean")), \n method: (0, _utils.validate)((0, _utils.assertValueType)("boolean"))\n
}\n});\n(0, _utils.default)("ObjectTypeCallProperty", {\n visitor: ["value"],\n aliases: ["Flow",
"UserWhitespacable"],\n fields: {\n value: (0, _utils.validateType)("FlowType"), \n static: (0,
_utils.validate)((0, _utils.assertValueType)("boolean"))\n }\n});\n(0, _utils.default)("ObjectTypeIndexer", {\n
visitor: ["id", "key", "value", "variance"],\n aliases: ["Flow", "UserWhitespacable"],\n fields: {\n id: (0,
_utils.validateOptionalType)("Identifier"), \n key: (0, _utils.validateType)("FlowType"), \n value: (0,
_utils.validateType)("FlowType"), \n static: (0, _utils.validate)((0, _utils.assertValueType)("boolean")), \n
variance: (0, _utils.validateOptionalType)("Variance")\n }\n});\n(0, _utils.default)("ObjectTypeProperty", {\n
visitor: ["key", "value", "variance"],\n aliases: ["Flow", "UserWhitespacable"],\n fields: {\n key: (0,
_utils.validateType)("Identifier", "StringLiteral"), \n value: (0, _utils.validateType)("FlowType"), \n kind:
(0, _utils.validate)((0, _utils.assertOneOf("init", "get", "set")), \n static: (0, _utils.validate)((0,
_utils.assertValueType)("boolean")), \n proto: (0, _utils.validate)((0, _utils.assertValueType)("boolean")), \n
optional: (0, _utils.validate)((0, _utils.assertValueType)("boolean")), \n variance: (0,
_utils.validateOptionalType)("Variance"), \n method: (0, _utils.validate)((0,
_utils.assertValueType)("boolean"))\n }\n});\n(0, _utils.default)("ObjectTypeSpreadProperty", {\n visitor:
["argument"],\n aliases: ["Flow", "UserWhitespacable"],\n fields: {\n argument: (0,

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_utils.validateType)("FlowType")\n }n});\n(0, _utils.default)("OpaqueType", {n visitor: ["id",
"typeParameters", "supertype", "impltype"],n aliases: ["Flow", "FlowDeclaration", "Statement",
"Declaration"],n fields: {n id: (0, _utils.validateType)("Identifier"),n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterDeclaration"),n supertype: (0,
_utils.validateOptionalType)("FlowType"),n impltype: (0, _utils.validateType)("FlowType")\n }n});\n(0,
_utils.default)("QualifiedTypeIdentifier", {n visitor: ["id", "qualification"],n aliases: ["Flow"],n fields: {n
id: (0, _utils.validateType)("Identifier"),n qualification: (0, _utils.validateType)("Identifier",
"QualifiedTypeIdentifier")\n }n});\n(0, _utils.default)("StringLiteralTypeAnnotation", {n builder:
["value"],n aliases: ["Flow", "FlowType"],n fields: {n value: (0, _utils.validate)((0,
_utils.assertValueType)("string"))\n }n});\n(0, _utils.default)("StringTypeAnnotation", {n aliases: ["Flow",
"FlowType", "FlowBaseAnnotation"]\n});\n(0, _utils.default)("SymbolTypeAnnotation", {n aliases: ["Flow",
"FlowType", "FlowBaseAnnotation"]\n});\n(0, _utils.default)("ThisTypeAnnotation", {n aliases: ["Flow",
"FlowType", "FlowBaseAnnotation"]\n});\n(0, _utils.default)("TupleTypeAnnotation", {n visitor:
["types"],n aliases: ["Flow", "FlowType"],n fields: {n types: (0, _utils.validate)((0,
_utils.arrayOfType)("FlowType"))\n }n});\n(0, _utils.default)("TypeofTypeAnnotation", {n visitor:
["argument"],n aliases: ["Flow", "FlowType"],n fields: {n argument: (0,
_utils.validateType)("FlowType")\n }n});\n(0, _utils.default)("TypeAlias", {n visitor: ["id",
"typeParameters", "right"],n aliases: ["Flow", "FlowDeclaration", "Statement", "Declaration"],n fields:
{n id: (0, _utils.validateType)("Identifier"),n typeParameters: (0,
_utils.validateOptionalType)("TypeParameterDeclaration"),n right: (0, _utils.validateType)("FlowType")\n
}n});\n(0, _utils.default)("TypeAnnotation", {n aliases: ["Flow"],n visitor: ["typeAnnotation"],n fields: {n
typeAnnotation: (0, _utils.validateType)("FlowType")\n }n});\n(0, _utils.default)("TypeCastExpression", {n
visitor: ["expression", "typeAnnotation"],n aliases: ["Flow", "ExpressionWrapper", "Expression"],n fields:
{n expression: (0, _utils.validateType)("Expression"),n typeAnnotation: (0,
_utils.validateType)("TypeAnnotation")\n }n});\n(0, _utils.default)("TypeParameter", {n aliases: ["Flow"],n
visitor: ["bound", "default", "variance"],n fields: {n name: (0, _utils.validate)((0,
_utils.assertValueType)("string")),n bound: (0, _utils.validateOptionalType)("TypeAnnotation"),n default:
(0, _utils.validateOptionalType)("FlowType"),n variance: (0, _utils.validateOptionalType)("Variance")\n
}n});\n(0, _utils.default)("TypeParameterDeclaration", {n aliases: ["Flow"],n visitor: ["params"],n fields:
{n params: (0, _utils.validate)((0, _utils.arrayOfType)("TypeParameter"))\n }n});\n(0,
_utils.default)("TypeParameterInstantiation", {n aliases: ["Flow"],n visitor: ["params"],n fields: {n
params: (0, _utils.validate)((0, _utils.arrayOfType)("FlowType"))\n }n});\n(0,
_utils.default)("UnionTypeAnnotation", {n visitor: ["types"],n aliases: ["Flow", "FlowType"],n fields: {n
types: (0, _utils.validate)((0, _utils.arrayOfType)("FlowType"))\n }n});\n(0, _utils.default)("Variance", {n
aliases: ["Flow"],n builder: ["kind"],n fields: {n kind: (0, _utils.validate)((0, _utils.assertOneOf)("minus",
"plus"))\n }n});\n(0, _utils.default)("VoidTypeAnnotation", {n aliases: ["Flow", "FlowType",
"FlowBaseAnnotation"]\n});\n(0, _utils.default)("EnumDeclaration", {n aliases: ["Statement",
"Declaration"],n visitor: ["id", "body"],n fields: {n id: (0, _utils.validateType)("Identifier"),n body: (0,
_utils.validateType)("EnumBooleanBody", "EnumNumberBody", "EnumStringBody",
"EnumSymbolBody")\n }n});\n(0, _utils.default)("EnumBooleanBody", {n aliases: ["EnumBody"],n
visitor: ["members"],n fields: {n explicitType: (0, _utils.validate)((0, _utils.assertValueType)("boolean")),n
members: (0, _utils.validateArrayOfType)("EnumBooleanMember"),n hasUnknownMembers: (0,
_utils.validate)((0, _utils.assertValueType)("boolean"))\n }n});\n(0, _utils.default)("EnumNumberBody", {n
aliases: ["EnumBody"],n visitor: ["members"],n fields: {n explicitType: (0, _utils.validate)((0,
_utils.assertValueType)("boolean")),n members: (0, _utils.validateArrayOfType)("EnumNumberMember"),n
hasUnknownMembers: (0, _utils.validate)((0, _utils.assertValueType)("boolean"))\n }n});\n(0,
_utils.default)("EnumStringBody", {n aliases: ["EnumBody"],n visitor: ["members"],n fields: {n
explicitType: (0, _utils.validate)((0, _utils.assertValueType)("boolean")),n members: (0,

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_utils.validateArrayOfType)(["EnumStringMember", "EnumDefaultedMember"]),\n  hasUnknownMembers: (0,
_utils.validate)((0, _utils.assertValueType)("boolean"))\n }));\n(0, _utils.default)("EnumSymbolBody", {\n
aliases: ["EnumBody"],\n visitor: ["members"],\n fields: {\n  members: (0,
_utils.validateArrayOfType)("EnumDefaultedMember"),\n  hasUnknownMembers: (0, _utils.validate)((0,
_utils.assertValueType)("boolean"))\n }));\n(0, _utils.default)("EnumBooleanMember", {\n aliases:
["EnumMember"],\n visitor: ["id"],\n fields: {\n  id: (0, _utils.validateType)("Identifier"),\n  init: (0,
_utils.validateType)("BooleanLiteral")\n }));\n(0, _utils.default)("EnumNumberMember", {\n aliases:
["EnumMember"],\n visitor: ["id", "init"],\n fields: {\n  id: (0, _utils.validateType)("Identifier"),\n  init: (0,
_utils.validateType)("NumericLiteral")\n }));\n(0, _utils.default)("EnumStringMember", {\n aliases:
["EnumMember"],\n visitor: ["id", "init"],\n fields: {\n  id: (0, _utils.validateType)("Identifier"),\n  init: (0,
_utils.validateType)("StringLiteral")\n }));\n(0, _utils.default)("EnumDefaultedMember", {\n aliases:
["EnumMember"],\n visitor: ["id"],\n fields: {\n  id: (0, _utils.validateType)("Identifier")\n }));\n(0,
_utils.default)("IndexedAccessType", {\n visitor: ["objectType", "indexType"],\n aliases: ["Flow",
"FlowType"],\n fields: {\n  objectType: (0, _utils.validateType)("FlowType"),\n  indexType: (0,
_utils.validateType)("FlowType")\n }));\n(0, _utils.default)("OptionalIndexedAccessType", {\n visitor:
["objectType", "indexType"],\n aliases: ["Flow", "FlowType"],\n fields: {\n  objectType: (0,
_utils.validateType)("FlowType"),\n  indexType: (0, _utils.validateType)("FlowType"),\n  optional: (0,
_utils.validate)((0, _utils.assertValueType)("boolean"))\n }));\n";\n\nvar _utils =
require("./utils");\n(0, _utils.default)("JSXAttribute", {\n visitor: ["name", "value"],\n aliases: ["JSX",
"Immutable"],\n fields: {\n  name: {\n    validate: (0, _utils.assertNodeType)("JSXIdentifier",
"JSXNamespacedName")\n  },\n  value: {\n    optional: true,\n    validate: (0,
_utils.assertNodeType)("JSXElement", "JSXFragment", "StringLiteral", "JSXExpressionContainer")\n  }
}\n }));\n(0, _utils.default)("JSXClosingElement", {\n visitor: ["name"],\n aliases: ["JSX", "Immutable"],\n
fields: {\n  name: {\n    validate: (0, _utils.assertNodeType)("JSXIdentifier", "JSXMemberExpression",
"JSXNamespacedName")\n  }
}\n }));\n(0, _utils.default)("JSXElement", {\n builder: ["openingElement",
"closingElement", "children", "selfClosing"],\n visitor: ["openingElement", "children",
"closingElement"],\n aliases: ["JSX", "Immutable", "Expression"],\n fields: {\n  openingElement: {\n
validate: (0, _utils.assertNodeType)("JSXOpeningElement")\n },\n  closingElement: {\n    optional: true,\n
validate: (0, _utils.assertNodeType)("JSXClosingElement")\n },\n  children: {\n    validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("JSXText",
"JSXExpressionContainer", "JSXSpreadChild", "JSXElement", "JSXFragment"))\n },\n  selfClosing: {\n
validate: (0, _utils.assertValueType)("boolean"),\n    optional: true\n }
}\n }));\n(0,
_utils.default)("JSXEmptyExpression", {\n aliases: ["JSX"]\n }));\n(0, _utils.default)("JSXExpressionContainer",
{\n visitor: ["expression"],\n aliases: ["JSX", "Immutable"],\n fields: {\n  expression: {\n    validate: (0,
_utils.assertNodeType)("Expression", "JSXEmptyExpression")\n }
}\n }));\n(0,
_utils.default)("JSXSpreadChild", {\n visitor: ["expression"],\n aliases: ["JSX", "Immutable"],\n fields: {\n
expression: {\n    validate: (0, _utils.assertNodeType)("Expression")\n }
}\n }));\n(0,
_utils.default)("JSXIdentifier", {\n builder: ["name"],\n aliases: ["JSX"],\n fields: {\n  name: {\n    validate:
(0, _utils.assertValueType)("string")\n }
}\n }));\n(0, _utils.default)("JSXMemberExpression", {\n visitor:
["object", "property"],\n aliases: ["JSX"],\n fields: {\n  object: {\n    validate: (0,
_utils.assertNodeType)("JSXMemberExpression", "JSXIdentifier")\n },\n  property: {\n    validate: (0,
_utils.assertNodeType)("JSXIdentifier")\n }
}\n }));\n(0, _utils.default)("JSXNamespacedName", {\n visitor:
["namespace", "name"],\n aliases: ["JSX"],\n fields: {\n  namespace: {\n    validate: (0,
_utils.assertNodeType)("JSXIdentifier")\n },\n  name: {\n    validate: (0,
_utils.assertNodeType)("JSXIdentifier")\n }
}\n }));\n(0, _utils.default)("JSXOpeningElement", {\n builder:
["name", "attributes", "selfClosing"],\n visitor: ["name", "attributes"],\n aliases: ["JSX", "Immutable"],\n
fields: {\n  name: {\n    validate: (0, _utils.assertNodeType)("JSXIdentifier", "JSXMemberExpression",
"JSXNamespacedName")\n },\n  selfClosing: {\n    default: false\n },\n  attributes: {\n    validate: (0,

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_utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("JSXAttribute", "JSXSpreadAttribute")))\n },\n typeParameters: {\n validate: (0,
_utils.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"),\n optional: true\n
}\n });\n(0, _utils.default)("JSXSpreadAttribute", {\n visitor: ["argument"],\n aliases: ["JSX"],\n fields: {\n
argument: {\n validate: (0, _utils.assertNodeType)("Expression")\n }\n });\n(0,
_utils.default)("JSXText", {\n aliases: ["JSX", "Immutable"],\n builder: ["value"],\n fields: {\n value: {\n
validate: (0, _utils.assertValueType)("string")\n }\n });\n(0, _utils.default)("JSXFragment", {\n builder:
["openingFragment", "closingFragment", "children"],\n visitor: ["openingFragment", "closingFragment",
"children"],\n aliases: ["JSX", "Immutable", "Expression"],\n fields: {\n openingFragment: {\n
validate: (0, _utils.assertNodeType)("JSXOpeningFragment")\n },\n closingFragment: {\n validate: (0,
_utils.assertNodeType)("JSXClosingFragment")\n },\n children: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("JSXText",
"JSXExpressionContainer", "JSXSpreadChild", "JSXElement", "JSXFragment"))\n }\n });\n(0,
_utils.default)("JSXOpeningFragment", {\n aliases: ["JSX", "Immutable"]\n });\n(0,
_utils.default)("JSXClosingFragment", {\n aliases: ["JSX", "Immutable"]\n });";\n\n"use strict";\n\nvar _utils =
require("../utils");\n\nvar _placeholders = require("../placeholders");\n\n(0, _utils.default)("Noop", {\n
visitor: []\n });\n(0, _utils.default)("Placeholder", {\n visitor: [],\n builder: ["expectedNode", "name"],\n
fields: {\n name: {\n validate: (0, _utils.assertNodeType)("Identifier")\n },\n expectedNode: {\n
validate: (0, _utils.assertOneOf)(..._placeholders.PLACEHOLDERS)\n }\n });\n(0,
_utils.default)("V8IntrinsicIdentifier", {\n builder: ["name"],\n fields: {\n name: {\n validate: (0,
_utils.assertValueType)("string")\n }\n });";\n\n"use strict";\n\nvar _utils = require("../utils");\n\nvar _core =
require("../core");\n\n(0, _utils.default)("ArgumentPlaceholder", {});\n(0, _utils.default)("BindExpression", {\n
visitor: ["object", "callee"],\n aliases: ["Expression"],\n fields: !process.env.BABEL_TYPES_8_BREAKING ?
{\n object: {\n validate: Object.assign() => {}, {\n oneOfNodeTypes: ["Expression"]\n }\n },\n
callee: {\n validate: Object.assign() => {}, {\n oneOfNodeTypes: ["Expression"]\n }\n }\n } : {\n
object: {\n validate: (0, _utils.assertNodeType)("Expression")\n },\n callee: {\n validate: (0,
_utils.assertNodeType)("Expression")\n }\n });\n(0, _utils.default)("ClassProperty", {\n visitor: ["key",
"value", "typeAnnotation", "decorators"],\n builder: ["key", "value", "typeAnnotation", "decorators",
"computed", "static"],\n aliases: ["Property"],\n fields: Object.assign({},
_core.classMethodOrPropertyCommon, {\n value: {\n validate: (0, _utils.assertNodeType)("Expression"),\n
optional: true\n },\n definite: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n
},\n typeAnnotation: {\n validate: (0, _utils.assertNodeType)("TypeAnnotation", "TSTypeAnnotation",
"Noop"),\n optional: true\n },\n decorators: {\n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("Decorator"))),\n optional:
true\n },\n readonly: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n },\n
declare: {\n validate: (0, _utils.assertValueType)("boolean"),\n optional: true\n }\n });\n(0,
_utils.default)("PipelineTopicExpression", {\n builder: ["expression"],\n visitor: ["expression"],\n fields: {\n
expression: {\n validate: (0, _utils.assertNodeType)("Expression")\n }\n });\n(0,
_utils.default)("PipelineBareFunction", {\n builder: ["callee"],\n visitor: ["callee"],\n fields: {\n callee: {\n
validate: (0, _utils.assertNodeType)("Expression")\n }\n });\n(0,
_utils.default)("PipelinePrimaryTopicReference", {\n aliases: ["Expression"]\n });\n(0,
_utils.default)("ClassPrivateProperty", {\n visitor: ["key", "value", "decorators"],\n builder: ["key",
"value", "decorators", "static"],\n aliases: ["Property", "Private"],\n fields: {\n key: {\n validate: (0,
_utils.assertNodeType)("PrivateName")\n },\n value: {\n validate: (0,
_utils.assertNodeType)("Expression"),\n optional: true\n },\n typeAnnotation: {\n validate: (0,
_utils.assertNodeType)("TypeAnnotation", "TSTypeAnnotation", "Noop"),\n optional: true\n },\n
decorators: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Decorator"))),\n optional: true\n }\n });\n(0,

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_utils.default)("ClassPrivateMethod", {n builder: ["kind", "key", "params", "body", "static"],n visitor:
["key", "params", "body", "decorators", "returnType", "typeParameters"],n aliases: ["Function",
"Scopable", "BlockParent", "FunctionParent", "Method", "Private"],n fields: Object.assign({},
_core.classMethodOrDeclareMethodCommon, _core.functionTypeAnnotationCommon, {n key: {n validate:
(0, _utils.assertNodeType)("PrivateName")n }},n body: {n validate: (0,
_utils.assertNodeType)("BlockStatement")n }n }n});n(0, _utils.default)("ImportAttribute", {n visitor:
["key", "value"],n fields: {n key: {n validate: (0, _utils.assertNodeType)("Identifier", "StringLiteral")n
},n value: {n validate: (0, _utils.assertNodeType)("StringLiteral")n }n }n});n(0,
_utils.default)("Decorator", {n visitor: ["expression"],n fields: {n expression: {n validate: (0,
_utils.assertNodeType)("Expression")n }n }n});n(0, _utils.default)("DoExpression", {n visitor:
["body"],n builder: ["body", "async"],n aliases: ["Expression"],n fields: {n body: {n validate: (0,
_utils.assertNodeType)("BlockStatement")n },n async: {n validate: (0,
_utils.assertValueType)("boolean"),n default: false\n }n }n});n(0,
_utils.default)("ExportDefaultSpecifier", {n visitor: ["exported"],n aliases: ["ModuleSpecifier"],n fields: {n
exported: {n validate: (0, _utils.assertNodeType)("Identifier")n }n }n});n(0,
_utils.default)("PrivateName", {n visitor: ["id"],n aliases: ["Private"],n fields: {n id: {n validate: (0,
_utils.assertNodeType)("Identifier")n }n }n});n(0, _utils.default)("RecordExpression", {n visitor:
["properties"],n aliases: ["Expression"],n fields: {n properties: {n validate: (0, _utils.chain)((0,
_utils.assertValueType)("array"), (0, _utils.assertEach)((0, _utils.assertNodeType)("ObjectProperty",
"SpreadElement"))n }n }n});n(0, _utils.default)("TupleExpression", {n fields: {n elements: {n
validate: (0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Expression", "SpreadElement"))n },n default: []n }n },n visitor: ["elements"],n
aliases: ["Expression"]n});n(0, _utils.default)("DecimalLiteral", {n builder: ["value"],n fields: {n value:
{n validate: (0, _utils.assertValueType)("string")n }n },n aliases: ["Expression", "Pureish", "Literal",
"Immutable"]n});n(0, _utils.default)("StaticBlock", {n visitor: ["body"],n fields: {n body: {n validate:
(0, _utils.chain)((0, _utils.assertValueType)("array"), (0, _utils.assertEach)((0,
_utils.assertNodeType)("Statement"))n }n }n },n aliases: ["Scopable", "BlockParent"]n});n(0,
_utils.default)("ModuleExpression", {n visitor: ["body"],n fields: {n body: {n validate: (0,
_utils.assertNodeType)("Program")n }n }n },n aliases: ["Expression"]n});n;"\nuse strict";n\nvar _utils =
require("../utils");n\nvar _core = require("../core");n\nconst bool = (0,
_utils.assertValueType)("boolean");n\nconst tSFunctionTypeAnnotationCommon = {n returnType: {n validate:
(0, _utils.assertNodeType)("TSTypeAnnotation", "Noop"),n optional: true\n },n typeParameters: {n
validate: (0, _utils.assertNodeType)("TSTypeParameterDeclaration", "Noop"),n optional: true\n }n};n(0,
_utils.default)("TSParameterProperty", {n aliases: ["LVal"],n visitor: ["parameter"],n fields: {n
accessibility: {n validate: (0, _utils.assertOneOf)("public", "private", "protected"),n optional: true\n
},n readonly: {n validate: (0, _utils.assertValueType)("boolean"),n optional: true\n },n parameter:
{n validate: (0, _utils.assertNodeType)("Identifier", "AssignmentPattern")n }n }n});n(0,
_utils.default)("TSDeclareFunction", {n aliases: ["Statement", "Declaration"],n visitor: ["id",
"typeParameters", "params", "returnType"],n fields: Object.assign({}, _core.functionDeclarationCommon,
tSFunctionTypeAnnotationCommon)n});n(0, _utils.default)("TSDeclareMethod", {n visitor: ["decorators",
"key", "typeParameters", "params", "returnType"],n fields: Object.assign({},
_core.classMethodOrDeclareMethodCommon, tSFunctionTypeAnnotationCommon)n});n(0,
_utils.default)("TSQualifiedName", {n aliases: ["TSEntityName"],n visitor: ["left", "right"],n fields: {n
left: (0, _utils.validateType)("TSEntityName"),n right: (0, _utils.validateType)("Identifier")n }n});n\nconst
signatureDeclarationCommon = {n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterDeclaration"),n parameters: (0,
_utils.validateArrayOfType)(["Identifier", "RestElement"],n typeAnnotation: (0,
_utils.validateOptionalType)("TSTypeAnnotation")n});n\nconst callConstructSignatureDeclaration = {n aliases:

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["TSTypeElement"],\n visitor: ["typeParameters","\parameters","\typeAnnotation"],\n fields:
signatureDeclarationCommon\n};\n(0, _utils.default)("TSCallSignatureDeclaration",
callConstructSignatureDeclaration);\n(0, _utils.default)("TSConstructSignatureDeclaration",
callConstructSignatureDeclaration);\nconst namedTypeElementCommon = {\n key: (0,
_utils.validateType)("Expression"),\n computed: (0, _utils.validate)(bool),\n optional: (0,
_utils.validateOptional)(bool)\n};\n(0, _utils.default)("TSPropertySignature", {\n aliases: ["TSTypeElement"],\n
visitor: ["key","\typeAnnotation","\initializer"],\n fields: Object.assign({}, namedTypeElementCommon, {\n
readonly: (0, _utils.validateOptional)(bool),\n typeAnnotation: (0,
_utils.validateOptionalType)("TSTypeAnnotation"),\n initializer: (0,
_utils.validateOptionalType)("Expression")\n })\n});\n(0, _utils.default)("TSMethodSignature", {\n aliases:
["TSTypeElement"],\n visitor: ["key","\typeParameters","\parameters","\typeAnnotation"],\n fields:
Object.assign({}, signatureDeclarationCommon, namedTypeElementCommon, {\n kind: {\n validate: (0,
_utils.assertOneOf)("method","\get","\set")\n } }\n});\n(0, _utils.default)("TSIndexSignature", {\n
aliases: ["TSTypeElement"],\n visitor: ["parameters","\typeAnnotation"],\n fields: {\n readonly: (0,
_utils.validateOptional)(bool),\n static: (0, _utils.validateOptional)(bool),\n parameters: (0,
_utils.validateArrayOfType)("Identifier"),\n typeAnnotation: (0,
_utils.validateOptionalType)("TSTypeAnnotation")\n } }\n});\nconst tsKeywordTypes = ["TSAnyKeyword",
"TSBooleanKeyword", "TSBigIntKeyword", "TSIntrinsicKeyword", "TSNeverKeyword",
"TSNullKeyword", "TSNumberKeyword", "TSObjectKeyword", "TSStringKeyword",
"TSSymbolKeyword", "TSUndefinedKeyword", "TSUnknownKeyword", "TSVoidKeyword"];
\nfor (const
type of tsKeywordTypes) {\n (0, _utils.default)(type, {\n aliases: ["TSType","\TSBaseType"],\n visitor: [],\n
fields: {} }\n });\n}\n(0, _utils.default)("TSThisType", {\n aliases: ["TSType","\TSBaseType"],\n visitor: [],\n
fields: {} }\n});\nconst fnOrCtrBase = {\n aliases: ["TSType"],\n visitor: ["typeParameters","\parameters",
"\typeAnnotation"]\n};\n(0, _utils.default)("TSFunctionType", Object.assign({}, fnOrCtrBase, {\n fields:
signatureDeclarationCommon\n}));\n(0, _utils.default)("TSConstructorType", Object.assign({}, fnOrCtrBase, {\n
fields: Object.assign({}, signatureDeclarationCommon, {\n abstract: (0, _utils.validateOptional)(bool)\n
})\n}));\n(0, _utils.default)("TSTypeReference", {\n aliases: ["TSType"],\n visitor: ["typeName",
"\typeParameters"],\n fields: {\n typeName: (0, _utils.validateType)("TSEntityName"),\n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterInstantiation")\n } }\n});\n(0, _utils.default)("TSTypePredicate",
{\n aliases: ["TSType"],\n visitor: ["parameterName","\typeAnnotation"],\n builder: ["parameterName",
"\typeAnnotation","\asserts"],\n fields: {\n parameterName: (0, _utils.validateType)("Identifier",
"TSThisType"),\n typeAnnotation: (0, _utils.validateOptionalType)("TSTypeAnnotation"),\n asserts: (0,
_utils.validateOptional)(bool)\n } }\n});\n(0, _utils.default)("TSTypeQuery", {\n aliases: ["TSType"],\n visitor:
["exprName"],\n fields: {\n exprName: (0, _utils.validateType)("TSEntityName","\TSImportType")\n
} }\n});\n(0, _utils.default)("TSTypeLiteral", {\n aliases: ["TSType"],\n visitor: ["members"],\n fields: {\n
members: (0, _utils.validateArrayOfType)("TSTypeElement")\n } }\n});\n(0, _utils.default)("TSArrayType", {\n
aliases: ["TSType"],\n visitor: ["elementType"],\n fields: {\n elementType: (0,
_utils.validateType)("TSType")\n } }\n});\n(0, _utils.default)("TSTupleType", {\n aliases: ["TSType"],\n
visitor: ["elementTypes"],\n fields: {\n elementTypes: (0, _utils.validateArrayOfType)("TSType",
"TSNamedTupleMember")\n } }\n});\n(0, _utils.default)("TSOptionalType", {\n aliases: ["TSType"],\n visitor:
["typeAnnotation"],\n fields: {\n typeAnnotation: (0, _utils.validateType)("TSType")\n } }\n});\n(0,
_utils.default)("TSRestType", {\n aliases: ["TSType"],\n visitor: ["typeAnnotation"],\n fields: {\n
typeAnnotation: (0, _utils.validateType)("TSType")\n } }\n});\n(0, _utils.default)("TSNamedTupleMember", {\n
visitor: ["label","\elementType"],\n builder: ["label","\elementType","\optional"],\n fields: {\n label: (0,
_utils.validateType)("Identifier"),\n optional: {\n validate: bool,\n default: false\n },\n elementType: (0,
_utils.validateType)("TSType")\n } }\n});\nconst unionOrIntersection = {\n aliases: ["TSType"],\n visitor:
["types"],\n fields: {\n types: (0, _utils.validateArrayOfType)("TSType")\n } }\n};\n(0,
_utils.default)("TSUnionType", unionOrIntersection);\n(0, _utils.default)("TSIntersectionType",

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unionOrIntersection);n(0, _utils.default)("TSConditionalType", {n aliases: ["TSType"],n visitor:
["checkType", "extendsType", "trueType", "falseType"],n fields: {n checkType: (0,
_utils.validateType)("TSType"),n extendsType: (0, _utils.validateType)("TSType"),n trueType: (0,
_utils.validateType)("TSType"),n falseType: (0, _utils.validateType)("TSType")n }n});n(0,
_utils.default)("TSInferType", {n aliases: ["TSType"],n visitor: ["typeParameter"],n fields: {n
typeParameter: (0, _utils.validateType)("TSTypeParameter")n }n});n(0,
_utils.default)("TSParenthesizedType", {n aliases: ["TSType"],n visitor: ["typeAnnotation"],n fields: {n
typeAnnotation: (0, _utils.validateType)("TSType")n }n});n(0, _utils.default)("TSTypeOperator", {n aliases:
["TSType"],n visitor: ["typeAnnotation"],n fields: {n operator: (0, _utils.validate)((0,
_utils.assertValueType)("string")),n typeAnnotation: (0, _utils.validateType)("TSType")n }n});n(0,
_utils.default)("TSIndexedAccessType", {n aliases: ["TSType"],n visitor: ["objectType", "indexType"],n
fields: {n objectType: (0, _utils.validateType)("TSType"),n indexType: (0,
_utils.validateType)("TSType")n }n});n(0, _utils.default)("TSMappedType", {n aliases: ["TSType"],n
visitor: ["typeParameter", "typeAnnotation", "nameType"],n fields: {n readonly: (0,
_utils.validateOptional)(bool),n typeParameter: (0, _utils.validateType)("TSTypeParameter"),n optional: (0,
_utils.validateOptional)(bool),n typeAnnotation: (0, _utils.validateOptionalType)("TSType"),n nameType: (0,
_utils.validateOptionalType)("TSType")n }n});n(0, _utils.default)("TSLiteralType", {n aliases: ["TSType",
"TSBaseType"],n visitor: ["literal"],n fields: {n literal: (0, _utils.validateType)(["NumericLiteral",
"StringLiteral", "BooleanLiteral", "BigIntLiteral"])n }n});n(0,
_utils.default)("TSExpressionWithTypeArguments", {n aliases: ["TSType"],n visitor: ["expression",
"typeParameters"],n fields: {n expression: (0, _utils.validateType)("TSEntityName"),n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterInstantiation")n }n});n(0,
_utils.default)("TSInterfaceDeclaration", {n aliases: ["Statement", "Declaration"],n visitor: ["id",
"typeParameters", "extends", "body"],n fields: {n declare: (0, _utils.validateOptional)(bool),n id: (0,
_utils.validateType)("Identifier"),n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterDeclaration"),n extends: (0, _utils.validateOptional)((0,
_utils.arrayOfType)("TSExpressionWithTypeArguments")),n body: (0,
_utils.validateType)("TSInterfaceBody")n }n});n(0, _utils.default)("TSInterfaceBody", {n visitor:
["body"],n fields: {n body: (0, _utils.validateArrayOfType)("TSTypeElement")n }n});n(0,
_utils.default)("TSTypeAliasDeclaration", {n aliases: ["Statement", "Declaration"],n visitor: ["id",
"typeParameters", "typeAnnotation"],n fields: {n declare: (0, _utils.validateOptional)(bool),n id: (0,
_utils.validateType)("Identifier"),n typeParameters: (0,
_utils.validateOptionalType)("TSTypeParameterDeclaration"),n typeAnnotation: (0,
_utils.validateType)("TSType")n }n});n(0, _utils.default)("TSAsExpression", {n aliases: ["Expression"],n
visitor: ["expression", "typeAnnotation"],n fields: {n expression: (0, _utils.validateType)("Expression"),n
typeAnnotation: (0, _utils.validateType)("TSType")n }n});n(0, _utils.default)("TSTypeAssertion", {n aliases:
["Expression"],n visitor: ["typeAnnotation", "expression"],n fields: {n typeAnnotation: (0,
_utils.validateType)("TSType"),n expression: (0, _utils.validateType)("Expression")n }n});n(0,
_utils.default)("TSEnumDeclaration", {n aliases: ["Statement", "Declaration"],n visitor: ["id",
"members"],n fields: {n declare: (0, _utils.validateOptional)(bool),n const: (0,
_utils.validateOptional)(bool),n id: (0, _utils.validateType)("Identifier"),n members: (0,
_utils.validateArrayOfType)("TSEnumMember"),n initializer: (0,
_utils.validateOptionalType)("Expression")n }n});n(0, _utils.default)("TSEnumMember", {n visitor: ["id",
"initializer"],n fields: {n id: (0, _utils.validateType)(["Identifier", "StringLiteral"]),n initializer: (0,
_utils.validateOptionalType)("Expression")n }n});n(0, _utils.default)("TSModuleDeclaration", {n aliases:
["Statement", "Declaration"],n visitor: ["id", "body"],n fields: {n declare: (0,
_utils.validateOptional)(bool),n global: (0, _utils.validateOptional)(bool),n id: (0,
_utils.validateType)(["Identifier", "StringLiteral"]),n body: (0, _utils.validateType)(["TSMModuleBlock",

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\TSMODULEDECLARATION\})\n }n});\n(0, _utils.default)(\TSMODULEBLOCK\", {\n aliases: [\Scopable\", \Block\",
\BLOCKPARENT\"],\n visitor: [\body\"],\n fields: {\n body: (0, _utils.validateArrayOfType)(\Statement\")\n
})\n});\n(0, _utils.default)(\TSIMPORTTYPE\", {\n aliases: [\TSTYPE\"],\n visitor: [\argument\", \qualifier\",
\typeParameters\"],\n fields: {\n argument: (0, _utils.validateType)(\StringLiteral\"),\n qualifier: (0,
_utils.validateOptionalType)(\TSEntityName\"),\n typeParameters: (0,
_utils.validateOptionalType)(\TSTYPEPARAMETERINANTIATION\")\n }n});\n(0,
_utils.default)(\TSIMPORTEQUALSDECLARATION\", {\n aliases: [\Statement\"],\n visitor: [\id\",
\moduleReference\"],\n fields: {\n isExport: (0, _utils.validate)(bool),\n id: (0,
_utils.validateType)(\Identifier\"),\n moduleReference: (0, _utils.validateType)([\TSEntityName\",
\TSEXTERNALMODULEREFERENCE\"])\n }n});\n(0, _utils.default)(\TSEXTERNALMODULEREFERENCE\", {\n visitor:
[\expression\"],\n fields: {\n expression: (0, _utils.validateType)(\StringLiteral\")\n }n});\n(0,
_utils.default)(\TSNONULLEXPRESSION\", {\n aliases: [\Expression\"],\n visitor: [\expression\"],\n fields: {\n
expression: (0, _utils.validateType)(\Expression\")\n }n});\n(0, _utils.default)(\TSEXPORTASSIGNMENT\", {\n
aliases: [\Statement\"],\n visitor: [\expression\"],\n fields: {\n expression: (0,
_utils.validateType)(\Expression\")\n }n});\n(0, _utils.default)(\TSNAMESPACEEXPORTDECLARATION\", {\n aliases:
[\Statement\"],\n visitor: [\id\"],\n fields: {\n id: (0, _utils.validateType)(\Identifier\")\n }n});\n(0,
_utils.default)(\TSTYPEANNOTATION\", {\n visitor: [\typeAnnotation\"],\n fields: {\n typeAnnotation: {\n
validate: (0, _utils.assertNodeType)(\TSTYPE\")\n }n }n});\n(0,
_utils.default)(\TSTYPEPARAMETERINANTIATION\", {\n visitor: [\params\"],\n fields: {\n params: {\n validate:
(0, _utils.chain)((0, _utils.assertValueType)(\array\"), (0, _utils.assertEach)((0,
_utils.assertNodeType)(\TSTYPE\")))\n }n }n});\n(0, _utils.default)(\TSTYPEPARAMETERDECLARATION\", {\n
visitor: [\params\"],\n fields: {\n params: {\n validate: (0, _utils.chain)((0, _utils.assertValueType)(\array\"),
(0, _utils.assertEach)((0, _utils.assertNodeType)(\TSTYPEPARAMETER\")))\n }n }n});\n(0,
_utils.default)(\TSTYPEPARAMETER\", {\n builder: [\constraint\", \default\", \name\"],\n visitor: [\constraint\",
\default\"],\n fields: {\n name: {\n validate: (0, _utils.assertValueType)(\string\")\n },\n constraint: {\n
validate: (0, _utils.assertNodeType)(\TSTYPE\"),\n optional: true\n },\n default: {\n validate: (0,
_utils.assertNodeType)(\TSTYPE\"),\n optional: true\n }n }n});\n,\"use
strict\";\n\nObject.defineProperty(exports, \_esModule\", {\n value: true\n});\nexports.default =
assertNode;\n\nvar _isNode = require(\../validators/isNode\");\n\nfunction assertNode(node) {\n if (!(0,
_isNode.default)(node)) {\n var _node$type;\n\n const type = (_node$type = node == null ? void 0 : node.type)
!= null ? _node$type : JSON.stringify(node);\n throw new TypeError(\Not a valid node of type \${type}\");\n
}\n }n }n,\"use strict\";\n\nObject.defineProperty(exports, \_esModule\", {\n value:
true\n});\n\nexports.assertArrayExpression = assertArrayExpression;\n\nexports.assertAssignmentExpression =
assertAssignmentExpression;\n\nexports.assertBinaryExpression =
assertBinaryExpression;\n\nexports.assertInterpreterDirective = assertInterpreterDirective;\n\nexports.assertDirective =
assertDirective;\n\nexports.assertDirectiveLiteral = assertDirectiveLiteral;\n\nexports.assertBlockStatement =
assertBlockStatement;\n\nexports.assertBreakStatement = assertBreakStatement;\n\nexports.assertCallExpression =
assertCallExpression;\n\nexports.assertCatchClause = assertCatchClause;\n\nexports.assertConditionalExpression =
assertConditionalExpression;\n\nexports.assertContinueStatement =
assertContinueStatement;\n\nexports.assertDebuggerStatement =
assertDebuggerStatement;\n\nexports.assertDoWhileStatement =
assertDoWhileStatement;\n\nexports.assertEmptyStatement =
assertEmptyStatement;\n\nexports.assertExpressionStatement = assertExpressionStatement;\n\nexports.assertFile =
assertFile;\n\nexports.assertForInStatement = assertForInStatement;\n\nexports.assertForStatement =
assertForStatement;\n\nexports.assertFunctionDeclaration =
assertFunctionDeclaration;\n\nexports.assertFunctionExpression = assertFunctionExpression;\n\nexports.assertIdentifier =
assertIdentifier;\n\nexports.assertIfStatement = assertIfStatement;\n\nexports.assertLabeledStatement =
assertLabeledStatement;\n\nexports.assertStringLiteral = assertStringLiteral;\n\nexports.assertNumericLiteral =

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assertNumericLiteral;\nexports.assertNullLiteral = assertNullLiteral;\nexports.assertBooleanLiteral =
assertBooleanLiteral;\nexports.assertRegExpLiteral = assertRegExpLiteral;\nexports.assertLogicalExpression =
assertLogicalExpression;\nexports.assertMemberExpression =
assertMemberExpression;\nexports.assertNewExpression = assertNewExpression;\nexports.assertProgram =
assertProgram;\nexports.assertObjectExpression = assertObjectExpression;\nexports.assertObjectMethod =
assertObjectMethod;\nexports.assertObjectProperty = assertObjectProperty;\nexports.assertRestElement =
assertRestElement;\nexports.assertReturnStatement = assertReturnStatement;\nexports.assertSequenceExpression =
assertSequenceExpression;\nexports.assertParenthesizedExpression =
assertParenthesizedExpression;\nexports.assertSwitchCase = assertSwitchCase;\nexports.assertSwitchStatement =
assertSwitchStatement;\nexports.assertThisExpression = assertThisExpression;\nexports.assertThrowStatement =
assertThrowStatement;\nexports.assertTryStatement = assertTryStatement;\nexports.assertUnaryExpression =
assertUnaryExpression;\nexports.assertUpdateExpression =
assertUpdateExpression;\nexports.assertVariableDeclaration =
assertVariableDeclaration;\nexports.assertVariableDeclarator =
assertVariableDeclarator;\nexports.assertWhileStatement = assertWhileStatement;\nexports.assertWithStatement =
assertWithStatement;\nexports.assertAssignmentPattern = assertAssignmentPattern;\nexports.assertArrayPattern =
assertArrayPattern;\nexports.assertArrowFunctionExpression =
assertArrowFunctionExpression;\nexports.assertClassBody = assertClassBody;\nexports.assertClassExpression =
assertClassExpression;\nexports.assertClassDeclaration =
assertClassDeclaration;\nexports.assertExportAllDeclaration =
assertExportAllDeclaration;\nexports.assertExportDefaultDeclaration =
assertExportDefaultDeclaration;\nexports.assertExportNamedDeclaration =
assertExportNamedDeclaration;\nexports.assertExportSpecifier =
assertExportSpecifier;\nexports.assertForOfStatement = assertForOfStatement;\nexports.assertImportDeclaration =
assertImportDeclaration;\nexports.assertImportDefaultSpecifier =
assertImportDefaultSpecifier;\nexports.assertImportNamespaceSpecifier =
assertImportNamespaceSpecifier;\nexports.assertImportSpecifier =
assertImportSpecifier;\nexports.assertMetaProperty = assertMetaProperty;\nexports.assertClassMethod =
assertClassMethod;\nexports.assertObjectPattern = assertObjectPattern;\nexports.assertSpreadElement =
assertSpreadElement;\nexports.assertSuper = assertSuper;\nexports.assertTaggedTemplateExpression =
assertTaggedTemplateExpression;\nexports.assertTemplateElement =
assertTemplateElement;\nexports.assertTemplateLiteral = assertTemplateLiteral;\nexports.assertYieldExpression =
assertYieldExpression;\nexports.assertAwaitExpression = assertAwaitExpression;\nexports.assertImport =
assertImport;\nexports.assertBigIntLiteral = assertBigIntLiteral;\nexports.assertExportNamespaceSpecifier =
assertExportNamespaceSpecifier;\nexports.assertOptionalMemberExpression =
assertOptionalMemberExpression;\nexports.assertOptionalCallExpression =
assertOptionalCallExpression;\nexports.assertAnyTypeAnnotation =
assertAnyTypeAnnotation;\nexports.assertArrayTypeAnnotation =
assertArrayTypeAnnotation;\nexports.assertBooleanTypeAnnotation =
assertBooleanTypeAnnotation;\nexports.assertBooleanLiteralTypeAnnotation =
assertBooleanLiteralTypeAnnotation;\nexports.assertNullLiteralTypeAnnotation =
assertNullLiteralTypeAnnotation;\nexports.assertClassImplements =
assertClassImplements;\nexports.assertDeclareClass = assertDeclareClass;\nexports.assertDeclareFunction =
assertDeclareFunction;\nexports.assertDeclareInterface = assertDeclareInterface;\nexports.assertDeclareModule =
assertDeclareModule;\nexports.assertDeclareModuleExports =
assertDeclareModuleExports;\nexports.assertDeclareTypeAlias =
assertDeclareTypeAlias;\nexports.assertDeclareOpaqueType =
assertDeclareOpaqueType;\nexports.assertDeclareVariable =

assertDeclareVariable;\nexports.assertDeclareExportDeclaration =
assertDeclareExportDeclaration;\nexports.assertDeclareExportAllDeclaration =
assertDeclareExportAllDeclaration;\nexports.assertDeclaredPredicate =
assertDeclaredPredicate;\nexports.assertExistsTypeAnnotation =
assertExistsTypeAnnotation;\nexports.assertFunctionTypeAnnotation =
assertFunctionTypeAnnotation;\nexports.assertFunctionTypeParam =
assertFunctionTypeParam;\nexports.assertGenericTypeAnnotation =
assertGenericTypeAnnotation;\nexports.assertInferredPredicate =
assertInferredPredicate;\nexports.assertInterfaceExtends =
assertInterfaceExtends;\nexports.assertInterfaceDeclaration =
assertInterfaceDeclaration;\nexports.assertInterfaceTypeAnnotation =
assertInterfaceTypeAnnotation;\nexports.assertIntersectionTypeAnnotation =
assertIntersectionTypeAnnotation;\nexports.assertMixedTypeAnnotation =
assertMixedTypeAnnotation;\nexports.assertEmptyTypeAnnotation =
assertEmptyTypeAnnotation;\nexports.assertNullableTypeAnnotation =
assertNullableTypeAnnotation;\nexports.assertNumberLiteralTypeAnnotation =
assertNumberLiteralTypeAnnotation;\nexports.assertNumberTypeAnnotation =
assertNumberTypeAnnotation;\nexports.assertObjectTypeAnnotation =
assertObjectTypeAnnotation;\nexports.assertObjectTypeInternalSlot =
assertObjectTypeInternalSlot;\nexports.assertObjectTypeCallProperty =
assertObjectTypeCallProperty;\nexports.assertObjectTypeIndexer =
assertObjectTypeIndexer;\nexports.assertObjectTypeProperty =
assertObjectTypeProperty;\nexports.assertObjectTypeSpreadProperty =
assertObjectTypeSpreadProperty;\nexports.assertOpaqueType =
assertOpaqueType;\nexports.assertQualifiedTypeIdentifier =
assertQualifiedTypeIdentifier;\nexports.assertStringLiteralTypeAnnotation =
assertStringLiteralTypeAnnotation;\nexports.assertStringTypeAnnotation =
assertStringTypeAnnotation;\nexports.assertSymbolTypeAnnotation =
assertSymbolTypeAnnotation;\nexports.assertThisTypeAnnotation =
assertThisTypeAnnotation;\nexports.assertTupleTypeAnnotation =
assertTupleTypeAnnotation;\nexports.assertTypeofTypeAnnotation =
assertTypeofTypeAnnotation;\nexports.assertTypeAlias = assertTypeAlias;\nexports.assertTypeAnnotation =
assertTypeAnnotation;\nexports.assertTypeCastExpression =
assertTypeCastExpression;\nexports.assertTypeParameter =
assertTypeParameter;\nexports.assertTypeParameterDeclaration =
assertTypeParameterDeclaration;\nexports.assertTypeParameterInstantiation =
assertTypeParameterInstantiation;\nexports.assertUnionTypeAnnotation =
assertUnionTypeAnnotation;\nexports.assertVariance = assertVariance;\nexports.assertVoidTypeAnnotation =
assertVoidTypeAnnotation;\nexports.assertEnumDeclaration =
assertEnumDeclaration;\nexports.assertEnumBooleanBody =
assertEnumBooleanBody;\nexports.assertEnumNumberBody =
assertEnumNumberBody;\nexports.assertEnumStringBody =
assertEnumStringBody;\nexports.assertEnumSymbolBody =
assertEnumSymbolBody;\nexports.assertEnumBooleanMember =
assertEnumBooleanMember;\nexports.assertEnumNumberMember =
assertEnumNumberMember;\nexports.assertEnumStringMember =
assertEnumStringMember;\nexports.assertEnumDefaultedMember =
assertEnumDefaultedMember;\nexports.assertIndexedAccessType =

assertIndexedAccessType;\nexports.assertOptionalIndexedAccessType =
assertOptionalIndexedAccessType;\nexports.assertJSXAttribute =
assertJSXAttribute;\nexports.assertJSXClosingElement = assertJSXClosingElement;\nexports.assertJSXElement =
assertJSXElement;\nexports.assertJSXEmptyExpression =
assertJSXEmptyExpression;\nexports.assertJSXExpressionContainer =
assertJSXExpressionContainer;\nexports.assertJSXSpreadChild =
assertJSXSpreadChild;\nexports.assertJSXIdentifier = assertJSXIdentifier;\nexports.assertJSXMemberExpression =
assertJSXMemberExpression;\nexports.assertJSXNamespacedName =
assertJSXNamespacedName;\nexports.assertJSXOpeningElement =
assertJSXOpeningElement;\nexports.assertJSXSpreadAttribute = assertJSXSpreadAttribute;\nexports.assertJSXText
= assertJSXText;\nexports.assertJSXFragment = assertJSXFragment;\nexports.assertJSXOpeningFragment =
assertJSXOpeningFragment;\nexports.assertJSXClosingFragment =
assertJSXClosingFragment;\nexports.assertNoop = assertNoop;\nexports.assertPlaceholder =
assertPlaceholder;\nexports.assertV8IntrinsicIdentifier =
assertV8IntrinsicIdentifier;\nexports.assertArgumentPlaceholder =
assertArgumentPlaceholder;\nexports.assertBindExpression = assertBindExpression;\nexports.assertClassProperty =
assertClassProperty;\nexports.assertPipelineTopicExpression =
assertPipelineTopicExpression;\nexports.assertPipelineBareFunction =
assertPipelineBareFunction;\nexports.assertPipelinePrimaryTopicReference =
assertPipelinePrimaryTopicReference;\nexports.assertClassPrivateProperty =
assertClassPrivateProperty;\nexports.assertClassPrivateMethod =
assertClassPrivateMethod;\nexports.assertImportAttribute = assertImportAttribute;\nexports.assertDecorator =
assertDecorator;\nexports.assertDoExpression = assertDoExpression;\nexports.assertExportDefaultSpecifier =
assertExportDefaultSpecifier;\nexports.assertPrivateName = assertPrivateName;\nexports.assertRecordExpression =
assertRecordExpression;\nexports.assertTupleExpression = assertTupleExpression;\nexports.assertDecimalLiteral =
assertDecimalLiteral;\nexports.assertStaticBlock = assertStaticBlock;\nexports.assertModuleExpression =
assertModuleExpression;\nexports.assertTSParameterProperty =
assertTSParameterProperty;\nexports.assertTSDeclareFunction =
assertTSDeclareFunction;\nexports.assertTSDeclareMethod =
assertTSDeclareMethod;\nexports.assertTSQualifiedName =
assertTSQualifiedName;\nexports.assertTSCallSignatureDeclaration =
assertTSCallSignatureDeclaration;\nexports.assertTSConstructSignatureDeclaration =
assertTSConstructSignatureDeclaration;\nexports.assertTSPropertySignature =
assertTSPropertySignature;\nexports.assertTSMethodSignature =
assertTSMethodSignature;\nexports.assertTSIndexSignature =
assertTSIndexSignature;\nexports.assertTSAnyKeyword =
assertTSAnyKeyword;\nexports.assertTSBooleanKeyword =
assertTSBooleanKeyword;\nexports.assertTSBigIntKeyword =
assertTSBigIntKeyword;\nexports.assertTSIntrinsicKeyword =
assertTSIntrinsicKeyword;\nexports.assertTSNeverKeyword =
assertTSNeverKeyword;\nexports.assertTSNullKeyword =
assertTSNullKeyword;\nexports.assertTSNumberKeyword =
assertTSNumberKeyword;\nexports.assertTSObjectKeyword =
assertTSObjectKeyword;\nexports.assertTSStringKeyword =
assertTSStringKeyword;\nexports.assertTSSymbolKeyword =
assertTSSymbolKeyword;\nexports.assertTSUndefinedKeyword =
assertTSUndefinedKeyword;\nexports.assertTSUnknownKeyword =
assertTSUnknownKeyword;\nexports.assertTSVoidKeyword = assertTSVoidKeyword;\nexports.assertTSThisType

= assertTSThisType;\nexports.assertTSFunctionType = assertTSFunctionType;\nexports.assertTSConstructorType =
assertTSConstructorType;\nexports.assertTSTypeReference =
assertTSTypeReference;\nexports.assertTSTypePredicate = assertTSTypePredicate;\nexports.assertTSTypeQuery =
assertTSTypeQuery;\nexports.assertTSTypeLiteral = assertTSTypeLiteral;\nexports.assertTSArrayType =
assertTSArrayType;\nexports.assertTSTupleType = assertTSTupleType;\nexports.assertTSOptionalType =
assertTSOptionalType;\nexports.assertTSRestType = assertTSRestType;\nexports.assertTSNamedTupleMember =
assertTSNamedTupleMember;\nexports.assertTSUnionType =
assertTSUnionType;\nexports.assertTSIntersectionType =
assertTSIntersectionType;\nexports.assertTSConditionalType =
assertTSConditionalType;\nexports.assertTSInferType = assertTSInferType;\nexports.assertTSParenthesizedType =
assertTSParenthesizedType;\nexports.assertTSTypeOperator =
assertTSTypeOperator;\nexports.assertTSIndexedAccessType =
assertTSIndexedAccessType;\nexports.assertTSMappedType =
assertTSMappedType;\nexports.assertTSLiteralType =
assertTSLiteralType;\nexports.assertTSExpressionWithTypeArguments =
assertTSExpressionWithTypeArguments;\nexports.assertTSInterfaceDeclaration =
assertTSInterfaceDeclaration;\nexports.assertTSInterfaceBody =
assertTSInterfaceBody;\nexports.assertTSTypeAliasDeclaration =
assertTSTypeAliasDeclaration;\nexports.assertTSAsExpression =
assertTSAsExpression;\nexports.assertTSTypeAssertion =
assertTSTypeAssertion;\nexports.assertTSEnumDeclaration =
assertTSEnumDeclaration;\nexports.assertTSEnumMember =
assertTSEnumMember;\nexports.assertTSModuleDeclaration =
assertTSModuleDeclaration;\nexports.assertTSModuleBlock =
assertTSModuleBlock;\nexports.assertTSImportType =
assertTSImportType;\nexports.assertTSImportEqualsDeclaration =
assertTSImportEqualsDeclaration;\nexports.assertTSExternalModuleReference =
assertTSExternalModuleReference;\nexports.assertTSNonNullExpression =
assertTSNonNullExpression;\nexports.assertTSExportAssignment =
assertTSExportAssignment;\nexports.assertTSNamespaceExportDeclaration =
assertTSNamespaceExportDeclaration;\nexports.assertTSTypeAnnotation =
assertTSTypeAnnotation;\nexports.assertTSTypeParameterInstantiation =
assertTSTypeParameterInstantiation;\nexports.assertTSTypeParameterDeclaration =
assertTSTypeParameterDeclaration;\nexports.assertTSTypeParameter =
assertTSTypeParameter;\nexports.assertExpression = assertExpression;\nexports.assertBinary =
assertBinary;\nexports.assertScopable = assertScopable;\nexports.assertBlockParent =
assertBlockParent;\nexports.assertBlock = assertBlock;\nexports.assertStatement =
assertStatement;\nexports.assertTerminatorless = assertTerminatorless;\nexports.assertCompletionStatement =
assertCompletionStatement;\nexports.assertConditional = assertConditional;\nexports.assertLoop =
assertLoop;\nexports.assertWhile = assertWhile;\nexports.assertExpressionWrapper =
assertExpressionWrapper;\nexports.assertFor = assertFor;\nexports.assertForXStatement =
assertForXStatement;\nexports.assertFunction = assertFunction;\nexports.assertFunctionParent =
assertFunctionParent;\nexports.assertPureish = assertPureish;\nexports.assertDeclaration =
assertDeclaration;\nexports.assertPatternLike = assertPatternLike;\nexports.assertLVal =
assertLVal;\nexports.assertTSEntityName = assertTSEntityName;\nexports.assertLiteral =
assertLiteral;\nexports.assertImmutable = assertImmutable;\nexports.assertUserWhitespacable =
assertUserWhitespacable;\nexports.assertMethod = assertMethod;\nexports.assertObjectMember =
assertObjectMember;\nexports.assertProperty = assertProperty;\nexports.assertUnaryLike =

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assertUnaryLike;\nexports.assertPattern = assertPattern;\nexports.assertClass =
assertClass;\nexports.assertModuleDeclaration = assertModuleDeclaration;\nexports.assertExportDeclaration =
assertExportDeclaration;\nexports.assertModuleSpecifier = assertModuleSpecifier;\nexports.assertFlow =
assertFlow;\nexports.assertFlowType = assertFlowType;\nexports.assertFlowBaseAnnotation =
assertFlowBaseAnnotation;\nexports.assertFlowDeclaration = assertFlowDeclaration;\nexports.assertFlowPredicate
= assertFlowPredicate;\nexports.assertEnumBody = assertEnumBody;\nexports.assertEnumMember =
assertEnumMember;\nexports.assertJSX = assertJSX;\nexports.assertPrivate =
assertPrivate;\nexports.assertTSTypeElement = assertTSTypeElement;\nexports.assertTSType =
assertTSType;\nexports.assertTSBaseType = assertTSBaseType;\nexports.assertNumberLiteral =
assertNumberLiteral;\nexports.assertRegexLiteral = assertRegexLiteral;\nexports.assertRestProperty =
assertRestProperty;\nexports.assertSpreadProperty = assertSpreadProperty;\n\nvar _is =
require(\"../validators/is\");\n\nfunction assert(type, node, opts) {\n  if (!0, _is.default)(type, node, opts)) {\n    throw new Error(`Expected type \"${type}\" with option ${JSON.stringify(opts)}, ` + `but instead got
\"${node.type}\"`);\n  }\n}\n\nfunction assertArrayExpression(node, opts) {\n  assert(\"ArrayExpression\", node,
opts);\n}\n\nfunction assertAssignmentExpression(node, opts) {\n  assert(\"AssignmentExpression\", node,
opts);\n}\n\nfunction assertBinaryExpression(node, opts) {\n  assert(\"BinaryExpression\", node,
opts);\n}\n\nfunction assertInterpreterDirective(node, opts) {\n  assert(\"InterpreterDirective\", node,
opts);\n}\n\nfunction assertDirective(node, opts) {\n  assert(\"Directive\", node, opts);\n}\n\nfunction
assertDirectiveLiteral(node, opts) {\n  assert(\"DirectiveLiteral\", node, opts);\n}\n\nfunction
assertBlockStatement(node, opts) {\n  assert(\"BlockStatement\", node, opts);\n}\n\nfunction
assertBreakStatement(node, opts) {\n  assert(\"BreakStatement\", node, opts);\n}\n\nfunction
assertCallExpression(node, opts) {\n  assert(\"CallExpression\", node, opts);\n}\n\nfunction assertCatchClause(node,
opts) {\n  assert(\"CatchClause\", node, opts);\n}\n\nfunction assertConditionalExpression(node, opts) {\n
assert(\"ConditionalExpression\", node, opts);\n}\n\nfunction assertContinueStatement(node, opts) {\n
assert(\"ContinueStatement\", node, opts);\n}\n\nfunction assertDebuggerStatement(node, opts) {\n
assert(\"DebuggerStatement\", node, opts);\n}\n\nfunction assertDoWhileStatement(node, opts) {\n
assert(\"DoWhileStatement\", node, opts);\n}\n\nfunction assertEmptyStatement(node, opts) {\n
assert(\"EmptyStatement\", node, opts);\n}\n\nfunction assertExpressionStatement(node, opts) {\n
assert(\"ExpressionStatement\", node, opts);\n}\n\nfunction assertFile(node, opts) {\n  assert(\"File\", node,
opts);\n}\n\nfunction assertForInStatement(node, opts) {\n  assert(\"ForInStatement\", node, opts);\n}\n\nfunction
assertForStatement(node, opts) {\n  assert(\"ForStatement\", node, opts);\n}\n\nfunction
assertFunctionDeclaration(node, opts) {\n  assert(\"FunctionDeclaration\", node, opts);\n}\n\nfunction
assertFunctionExpression(node, opts) {\n  assert(\"FunctionExpression\", node, opts);\n}\n\nfunction
assertIdentifier(node, opts) {\n  assert(\"Identifier\", node, opts);\n}\n\nfunction assertIfStatement(node, opts) {\n
assert(\"IfStatement\", node, opts);\n}\n\nfunction assertLabeledStatement(node, opts) {\n
assert(\"LabeledStatement\", node, opts);\n}\n\nfunction assertStringLiteral(node, opts) {\n  assert(\"StringLiteral\",
node, opts);\n}\n\nfunction assertNumericLiteral(node, opts) {\n  assert(\"NumericLiteral\", node,
opts);\n}\n\nfunction assertNullLiteral(node, opts) {\n  assert(\"NullLiteral\", node, opts);\n}\n\nfunction
assertBooleanLiteral(node, opts) {\n  assert(\"BooleanLiteral\", node, opts);\n}\n\nfunction
assertRegExpLiteral(node, opts) {\n  assert(\"RegExpLiteral\", node, opts);\n}\n\nfunction
assertLogicalExpression(node, opts) {\n  assert(\"LogicalExpression\", node, opts);\n}\n\nfunction
assertMemberExpression(node, opts) {\n  assert(\"MemberExpression\", node, opts);\n}\n\nfunction
assertNewExpression(node, opts) {\n  assert(\"NewExpression\", node, opts);\n}\n\nfunction assertProgram(node,
opts) {\n  assert(\"Program\", node, opts);\n}\n\nfunction assertObjectExpression(node, opts) {\n
assert(\"ObjectExpression\", node, opts);\n}\n\nfunction assertObjectMethod(node, opts) {\n
assert(\"ObjectMethod\", node, opts);\n}\n\nfunction assertObjectProperty(node, opts) {\n
assert(\"ObjectProperty\", node, opts);\n}\n\nfunction assertRestElement(node, opts) {\n  assert(\"RestElement\",
node, opts);\n}\n\nfunction assertReturnStatement(node, opts) {\n  assert(\"ReturnStatement\", node,

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opts);\n}\n\nfunction assertSequenceExpression(node, opts) {\n  assert(\"SequenceExpression\", node,
opts);\n}\n\nfunction assertParenthesizedExpression(node, opts) {\n  assert(\"ParenthesizedExpression\", node,
opts);\n}\n\nfunction assertSwitchCase(node, opts) {\n  assert(\"SwitchCase\", node, opts);\n}\n\nfunction
assertSwitchStatement(node, opts) {\n  assert(\"SwitchStatement\", node, opts);\n}\n\nfunction
assertThisExpression(node, opts) {\n  assert(\"ThisExpression\", node, opts);\n}\n\nfunction
assertThrowStatement(node, opts) {\n  assert(\"ThrowStatement\", node, opts);\n}\n\nfunction
assertTryStatement(node, opts) {\n  assert(\"TryStatement\", node, opts);\n}\n\nfunction
assertUnaryExpression(node, opts) {\n  assert(\"UnaryExpression\", node, opts);\n}\n\nfunction
assertUpdateExpression(node, opts) {\n  assert(\"UpdateExpression\", node, opts);\n}\n\nfunction
assertVariableDeclaration(node, opts) {\n  assert(\"VariableDeclaration\", node, opts);\n}\n\nfunction
assertVariableDeclarator(node, opts) {\n  assert(\"VariableDeclarator\", node, opts);\n}\n\nfunction
assertWhileStatement(node, opts) {\n  assert(\"WhileStatement\", node, opts);\n}\n\nfunction
assertWithStatement(node, opts) {\n  assert(\"WithStatement\", node, opts);\n}\n\nfunction
assertAssignmentPattern(node, opts) {\n  assert(\"AssignmentPattern\", node, opts);\n}\n\nfunction
assertArrayPattern(node, opts) {\n  assert(\"ArrayPattern\", node, opts);\n}\n\nfunction
assertArrowFunctionExpression(node, opts) {\n  assert(\"ArrowFunctionExpression\", node, opts);\n}\n\nfunction
assertClassBody(node, opts) {\n  assert(\"ClassBody\", node, opts);\n}\n\nfunction assertClassExpression(node,
opts) {\n  assert(\"ClassExpression\", node, opts);\n}\n\nfunction assertClassDeclaration(node, opts) {\n
  assert(\"ClassDeclaration\", node, opts);\n}\n\nfunction assertExportAllDeclaration(node, opts) {\n
  assert(\"ExportAllDeclaration\", node, opts);\n}\n\nfunction assertExportDefaultDeclaration(node, opts) {\n
  assert(\"ExportDefaultDeclaration\", node, opts);\n}\n\nfunction assertExportNamedDeclaration(node, opts) {\n
  assert(\"ExportNamedDeclaration\", node, opts);\n}\n\nfunction assertExportSpecifier(node, opts) {\n
  assert(\"ExportSpecifier\", node, opts);\n}\n\nfunction assertForOfStatement(node, opts) {\n
  assert(\"ForOfStatement\", node, opts);\n}\n\nfunction assertImportDeclaration(node, opts) {\n
  assert(\"ImportDeclaration\", node, opts);\n}\n\nfunction assertImportDefaultSpecifier(node, opts) {\n
  assert(\"ImportDefaultSpecifier\", node, opts);\n}\n\nfunction assertImportNamespaceSpecifier(node, opts) {\n
  assert(\"ImportNamespaceSpecifier\", node, opts);\n}\n\nfunction assertImportSpecifier(node, opts) {\n
  assert(\"ImportSpecifier\", node, opts);\n}\n\nfunction assertMetaProperty(node, opts) {\n  assert(\"MetaProperty\",
node, opts);\n}\n\nfunction assertClassMethod(node, opts) {\n  assert(\"ClassMethod\", node, opts);\n}\n\nfunction
assertObjectPattern(node, opts) {\n  assert(\"ObjectPattern\", node, opts);\n}\n\nfunction assertSpreadElement(node,
opts) {\n  assert(\"SpreadElement\", node, opts);\n}\n\nfunction assertSuper(node, opts) {\n  assert(\"Super\", node,
opts);\n}\n\nfunction assertTaggedTemplateExpression(node, opts) {\n  assert(\"TaggedTemplateExpression\",
node, opts);\n}\n\nfunction assertTemplateElement(node, opts) {\n  assert(\"TemplateElement\", node,
opts);\n}\n\nfunction assertTemplateLiteral(node, opts) {\n  assert(\"TemplateLiteral\", node, opts);\n}\n\nfunction
assertYieldExpression(node, opts) {\n  assert(\"YieldExpression\", node, opts);\n}\n\nfunction
assertAwaitExpression(node, opts) {\n  assert(\"AwaitExpression\", node, opts);\n}\n\nfunction assertImport(node,
opts) {\n  assert(\"Import\", node, opts);\n}\n\nfunction assertBigIntLiteral(node, opts) {\n  assert(\"BigIntLiteral\",
node, opts);\n}\n\nfunction assertExportNamespaceSpecifier(node, opts) {\n  assert(\"ExportNamespaceSpecifier\",
node, opts);\n}\n\nfunction assertOptionalMemberExpression(node, opts) {\n
  assert(\"OptionalMemberExpression\", node, opts);\n}\n\nfunction assertOptionalCallExpression(node, opts) {\n
  assert(\"OptionalCallExpression\", node, opts);\n}\n\nfunction assertAnyTypeAnnotation(node, opts) {\n
  assert(\"AnyTypeAnnotation\", node, opts);\n}\n\nfunction assertArrayTypeAnnotation(node, opts) {\n
  assert(\"ArrayTypeAnnotation\", node, opts);\n}\n\nfunction assertBooleanTypeAnnotation(node, opts) {\n
  assert(\"BooleanTypeAnnotation\", node, opts);\n}\n\nfunction assertBooleanLiteralTypeAnnotation(node, opts) {\n
  assert(\"BooleanLiteralTypeAnnotation\", node, opts);\n}\n\nfunction assertNullLiteralTypeAnnotation(node, opts) {\n
  assert(\"NullLiteralTypeAnnotation\", node, opts);\n}\n\nfunction assertClassImplements(node, opts) {\n
  assert(\"ClassImplements\", node, opts);\n}\n\nfunction assertDeclareClass(node, opts) {\n  assert(\"DeclareClass\",
node, opts);\n}\n\nfunction assertDeclareFunction(node, opts) {\n  assert(\"DeclareFunction\", node,

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opts);;n}\n\nfunction assertDeclareInterface(node, opts) {\n  assert("DeclareInterface", node, opts);;n}\n\nfunction
assertDeclareModule(node, opts) {\n  assert("DeclareModule", node, opts);;n}\n\nfunction
assertDeclareModuleExports(node, opts) {\n  assert("DeclareModuleExports", node, opts);;n}\n\nfunction
assertDeclareTypeAlias(node, opts) {\n  assert("DeclareTypeAlias", node, opts);;n}\n\nfunction
assertDeclareOpaqueType(node, opts) {\n  assert("DeclareOpaqueType", node, opts);;n}\n\nfunction
assertDeclareVariable(node, opts) {\n  assert("DeclareVariable", node, opts);;n}\n\nfunction
assertDeclareExportDeclaration(node, opts) {\n  assert("DeclareExportDeclaration", node, opts);;n}\n\nfunction
assertDeclareExportAllDeclaration(node, opts) {\n  assert("DeclareExportAllDeclaration", node,
opts);;n}\n\nfunction assertDeclaredPredicate(node, opts) {\n  assert("DeclaredPredicate", node,
opts);;n}\n\nfunction assertExistsTypeAnnotation(node, opts) {\n  assert("ExistsTypeAnnotation", node,
opts);;n}\n\nfunction assertFunctionTypeAnnotation(node, opts) {\n  assert("FunctionTypeAnnotation", node,
opts);;n}\n\nfunction assertFunctionTypeParam(node, opts) {\n  assert("FunctionTypeParam", node,
opts);;n}\n\nfunction assertGenericTypeAnnotation(node, opts) {\n  assert("GenericTypeAnnotation", node,
opts);;n}\n\nfunction assertInferredPredicate(node, opts) {\n  assert("InferredPredicate", node,
opts);;n}\n\nfunction assertInterfaceExtends(node, opts) {\n  assert("InterfaceExtends", node, opts);;n}\n\nfunction
assertInterfaceDeclaration(node, opts) {\n  assert("InterfaceDeclaration", node, opts);;n}\n\nfunction
assertInterfaceTypeAnnotation(node, opts) {\n  assert("InterfaceTypeAnnotation", node, opts);;n}\n\nfunction
assertIntersectionTypeAnnotation(node, opts) {\n  assert("IntersectionTypeAnnotation", node,
opts);;n}\n\nfunction assertMixedTypeAnnotation(node, opts) {\n  assert("MixedTypeAnnotation", node,
opts);;n}\n\nfunction assertEmptyTypeAnnotation(node, opts) {\n  assert("EmptyTypeAnnotation", node,
opts);;n}\n\nfunction assertNullableTypeAnnotation(node, opts) {\n  assert("NullableTypeAnnotation", node,
opts);;n}\n\nfunction assertNumberLiteralTypeAnnotation(node, opts) {\n
assert("NumberLiteralTypeAnnotation", node, opts);;n}\n\nfunction assertNumberTypeAnnotation(node, opts) {\n
assert("NumberTypeAnnotation", node, opts);;n}\n\nfunction assertObjectTypeAnnotation(node, opts) {\n
assert("ObjectTypeAnnotation", node, opts);;n}\n\nfunction assertObjectTypeInternalSlot(node, opts) {\n
assert("ObjectTypeInternalSlot", node, opts);;n}\n\nfunction assertObjectTypeCallProperty(node, opts) {\n
assert("ObjectTypeCallProperty", node, opts);;n}\n\nfunction assertObjectTypeIndexer(node, opts) {\n
assert("ObjectTypeIndexer", node, opts);;n}\n\nfunction assertObjectTypeProperty(node, opts) {\n
assert("ObjectTypeProperty", node, opts);;n}\n\nfunction assertObjectTypeSpreadProperty(node, opts) {\n
assert("ObjectTypeSpreadProperty", node, opts);;n}\n\nfunction assertOpaqueType(node, opts) {\n
assert("OpaqueType", node, opts);;n}\n\nfunction assertQualifiedTypeIdentifier(node, opts) {\n
assert("QualifiedTypeIdentifier", node, opts);;n}\n\nfunction assertStringLiteralTypeAnnotation(node, opts) {\n
assert("StringLiteralTypeAnnotation", node, opts);;n}\n\nfunction assertStringTypeAnnotation(node, opts) {\n
assert("StringTypeAnnotation", node, opts);;n}\n\nfunction assertSymbolTypeAnnotation(node, opts) {\n
assert("SymbolTypeAnnotation", node, opts);;n}\n\nfunction assertThisTypeAnnotation(node, opts) {\n
assert("ThisTypeAnnotation", node, opts);;n}\n\nfunction assertTupleTypeAnnotation(node, opts) {\n
assert("TupleTypeAnnotation", node, opts);;n}\n\nfunction assertTypeofTypeAnnotation(node, opts) {\n
assert("TypeofTypeAnnotation", node, opts);;n}\n\nfunction assertTypeAlias(node, opts) {\n  assert("TypeAlias",
node, opts);;n}\n\nfunction assertTypeAnnotation(node, opts) {\n  assert("TypeAnnotation", node,
opts);;n}\n\nfunction assertTypeCastExpression(node, opts) {\n  assert("TypeCastExpression", node,
opts);;n}\n\nfunction assertTypeParameter(node, opts) {\n  assert("TypeParameter", node, opts);;n}\n\nfunction
assertTypeParameterDeclaration(node, opts) {\n  assert("TypeParameterDeclaration", node, opts);;n}\n\nfunction
assertTypeParameterInstantiation(node, opts) {\n  assert("TypeParameterInstantiation", node, opts);;n}\n\nfunction
assertUnionTypeAnnotation(node, opts) {\n  assert("UnionTypeAnnotation", node, opts);;n}\n\nfunction
assertVariance(node, opts) {\n  assert("Variance", node, opts);;n}\n\nfunction assertVoidTypeAnnotation(node,
opts) {\n  assert("VoidTypeAnnotation", node, opts);;n}\n\nfunction assertEnumDeclaration(node, opts) {\n
assert("EnumDeclaration", node, opts);;n}\n\nfunction assertEnumBooleanBody(node, opts) {\n
assert("EnumBooleanBody", node, opts);;n}\n\nfunction assertEnumNumberBody(node, opts) {\n

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assert("EnumNumberBody", node, opts);\n\nfunction assertEnumStringBody(node, opts) {\n
assert("EnumStringBody", node, opts);\n}\n\nfunction assertEnumSymbolBody(node, opts) {\n
assert("EnumSymbolBody", node, opts);\n}\n\nfunction assertEnumBooleanMember(node, opts) {\n
assert("EnumBooleanMember", node, opts);\n}\n\nfunction assertEnumNumberMember(node, opts) {\n
assert("EnumNumberMember", node, opts);\n}\n\nfunction assertEnumStringMember(node, opts) {\n
assert("EnumStringMember", node, opts);\n}\n\nfunction assertEnumDefaultedMember(node, opts) {\n
assert("EnumDefaultedMember", node, opts);\n}\n\nfunction assertIndexedAccessType(node, opts) {\n
assert("IndexedAccessType", node, opts);\n}\n\nfunction assertOptionalIndexedAccessType(node, opts) {\n
assert("OptionalIndexedAccessType", node, opts);\n}\n\nfunction assertJSXAttribute(node, opts) {\n
assert("JSXAttribute", node, opts);\n}\n\nfunction assertJSXClosingElement(node, opts) {\n
assert("JSXClosingElement", node, opts);\n}\n\nfunction assertJSXElement(node, opts) {\n
assert("JSXElement", node, opts);\n}\n\nfunction assertJSXEmptyExpression(node, opts) {\n
assert("JSXEmptyExpression", node, opts);\n}\n\nfunction assertJSXExpressionContainer(node, opts) {\n
assert("JSXExpressionContainer", node, opts);\n}\n\nfunction assertJSXSpreadChild(node, opts) {\n
assert("JSXSpreadChild", node, opts);\n}\n\nfunction assertJSXIdentifier(node, opts) {\n
assert("JSXIdentifier", node, opts);\n}\n\nfunction assertJSXMemberExpression(node, opts) {\n
assert("JSXMemberExpression", node, opts);\n}\n\nfunction assertJSXNamespacedName(node, opts) {\n
assert("JSXNamespacedName", node, opts);\n}\n\nfunction assertJSXOpeningElement(node, opts) {\n
assert("JSXOpeningElement", node, opts);\n}\n\nfunction assertJSXSpreadAttribute(node, opts) {\n
assert("JSXSpreadAttribute", node, opts);\n}\n\nfunction assertJSXText(node, opts) {\n
assert("JSXText", node, opts);\n}\n\nfunction
assertJSXFragment(node, opts) {\n
assert("JSXFragment", node, opts);\n}\n\nfunction
assertJSXOpeningFragment(node, opts) {\n
assert("JSXOpeningFragment", node, opts);\n}\n\nfunction
assertJSXClosingFragment(node, opts) {\n
assert("JSXClosingFragment", node, opts);\n}\n\nfunction
assertNoop(node, opts) {\n
assert("Noop", node, opts);\n}\n\nfunction assertPlaceholder(node, opts) {\n
assert("Placeholder", node, opts);}\n\nfunction assertV8IntrinsicIdentifier(node, opts) {\n
assert("V8IntrinsicIdentifier", node, opts);}\n\nfunction assertArgumentPlaceholder(node, opts) {\n
assert("ArgumentPlaceholder", node, opts);}\n\nfunction assertBindExpression(node, opts) {\n
assert("BindExpression", node, opts);}\n\nfunction assertClassProperty(node, opts) {\n
assert("ClassProperty", node, opts);}\n\nfunction assertPipelineTopicExpression(node, opts) {\n
assert("PipelineTopicExpression", node, opts);}\n\nfunction assertPipelineBareFunction(node, opts) {\n
assert("PipelineBareFunction", node, opts);}\n\nfunction assertPipelinePrimaryTopicReference(node, opts) {\n
assert("PipelinePrimaryTopicReference", node, opts);}\n\nfunction assertClassPrivateProperty(node, opts) {\n
assert("ClassPrivateProperty", node, opts);}\n\nfunction assertClassPrivateMethod(node, opts) {\n
assert("ClassPrivateMethod", node, opts);}\n\nfunction assertImportAttribute(node, opts) {\n
assert("ImportAttribute", node, opts);}\n\nfunction assertDecorator(node, opts) {\n
assert("Decorator", node, opts);}\n\nfunction assertDoExpression(node, opts) {\n
assert("DoExpression", node, opts);}\n\nfunction
assertExportDefaultSpecifier(node, opts) {\n
assert("ExportDefaultSpecifier", node, opts);}\n\nfunction
assertPrivateName(node, opts) {\n
assert("PrivateName", node, opts);}\n\nfunction
assertRecordExpression(node, opts) {\n
assert("RecordExpression", node, opts);}\n\nfunction
assertTupleExpression(node, opts) {\n
assert("TupleExpression", node, opts);}\n\nfunction
assertDecimalLiteral(node, opts) {\n
assert("DecimalLiteral", node, opts);}\n\nfunction assertStaticBlock(node,
opts) {\n
assert("StaticBlock", node, opts);}\n\nfunction assertModuleExpression(node, opts) {\n
assert("ModuleExpression", node, opts);}\n\nfunction assertTSPParameterProperty(node, opts) {\n
assert("TSPParameterProperty", node, opts);}\n\nfunction assertTSDeclareFunction(node, opts) {\n
assert("TSDeclareFunction", node, opts);}\n\nfunction assertTSDeclareMethod(node, opts) {\n
assert("TSDeclareMethod", node, opts);}\n\nfunction assertTSQualifiedName(node, opts) {\n
assert("TSQualifiedName", node, opts);}\n\nfunction assertTSCallSignatureDeclaration(node, opts) {\n
assert("TSCallSignatureDeclaration", node, opts);}\n\nfunction assertTSConstructSignatureDeclaration(node,

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opts) {\n  assert(\`"TSConstructSignatureDeclaration"\`, node, opts);\n}\n\nfunction assertTSPropertySignature(node,
opts) {\n  assert(\`"TSPropertySignature"\`, node, opts);\n}\n\nfunction assertTSMMethodSignature(node, opts) {\n
assert(\`"TSMMethodSignature"\`, node, opts);\n}\n\nfunction assertTSIndexSignature(node, opts) {\n
assert(\`"TSIndexSignature"\`, node, opts);\n}\n\nfunction assertTSAnyKeyword(node, opts) {\n
assert(\`"TSAnyKeyword"\`, node, opts);\n}\n\nfunction assertTSBooleanKeyword(node, opts) {\n
assert(\`"TSBooleanKeyword"\`, node, opts);\n}\n\nfunction assertTSBigIntKeyword(node, opts) {\n
assert(\`"TSBigIntKeyword"\`, node, opts);\n}\n\nfunction assertTSIntrinsicKeyword(node, opts) {\n
assert(\`"TSIntrinsicKeyword"\`, node, opts);\n}\n\nfunction assertTSNeverKeyword(node, opts) {\n
assert(\`"TSNeverKeyword"\`, node, opts);\n}\n\nfunction assertTSNullKeyword(node, opts) {\n
assert(\`"TSNullKeyword"\`, node, opts);\n}\n\nfunction assertTSNumberKeyword(node, opts) {\n
assert(\`"TSNumberKeyword"\`, node, opts);\n}\n\nfunction assertTSObjectKeyword(node, opts) {\n
assert(\`"TSObjectKeyword"\`, node, opts);\n}\n\nfunction assertTSStringKeyword(node, opts) {\n
assert(\`"TSSStringKeyword"\`, node, opts);\n}\n\nfunction assertTSSymbolKeyword(node, opts) {\n
assert(\`"TSSymbolKeyword"\`, node, opts);\n}\n\nfunction assertTSUndefinedKeyword(node, opts) {\n
assert(\`"TSUndefinedKeyword"\`, node, opts);\n}\n\nfunction assertTSUnknownKeyword(node, opts) {\n
assert(\`"TSUnknownKeyword"\`, node, opts);\n}\n\nfunction assertTSVoidKeyword(node, opts) {\n
assert(\`"TSVoidKeyword"\`, node, opts);\n}\n\nfunction assertTSThisType(node, opts) {\n  assert(\`"TSThisType"\`,
node, opts);\n}\n\nfunction assertTSFunctionType(node, opts) {\n  assert(\`"TSFunctionType"\`, node,
opts);\n}\n\nfunction assertTSConstructorType(node, opts) {\n  assert(\`"TSConstructorType"\`, node,
opts);\n}\n\nfunction assertTSTypeReference(node, opts) {\n  assert(\`"TSTypeReference"\`, node,
opts);\n}\n\nfunction assertTSTypePredicate(node, opts) {\n  assert(\`"TSTypePredicate"\`, node,
opts);\n}\n\nfunction assertTSTypeQuery(node, opts) {\n  assert(\`"TSTypeQuery"\`, node, opts);\n}\n\nfunction
assertTSTypeLiteral(node, opts) {\n  assert(\`"TSTypeLiteral"\`, node, opts);\n}\n\nfunction assertTSArrayType(node,
opts) {\n  assert(\`"TSArrayType"\`, node, opts);\n}\n\nfunction assertTSTupleType(node, opts) {\n
assert(\`"TSTupleType"\`, node, opts);\n}\n\nfunction assertTSOptionalType(node, opts) {\n
assert(\`"TSOptionalType"\`, node, opts);\n}\n\nfunction assertTSRestType(node, opts) {\n  assert(\`"TSRestType"\`,
node, opts);\n}\n\nfunction assertTSNamedTupleMember(node, opts) {\n  assert(\`"TSNamedTupleMember"\`, node,
opts);\n}\n\nfunction assertTSUnionType(node, opts) {\n  assert(\`"TSUnionType"\`, node, opts);\n}\n\nfunction
assertTSIntersectionType(node, opts) {\n  assert(\`"TSIntersectionType"\`, node, opts);\n}\n\nfunction
assertTSConditionalType(node, opts) {\n  assert(\`"TSConditionalType"\`, node, opts);\n}\n\nfunction
assertTSInferType(node, opts) {\n  assert(\`"TSInferType"\`, node, opts);\n}\n\nfunction
assertTSParenthesizedType(node, opts) {\n  assert(\`"TSParenthesizedType"\`, node, opts);\n}\n\nfunction
assertTSTypeOperator(node, opts) {\n  assert(\`"TSTypeOperator"\`, node, opts);\n}\n\nfunction
assertTSIndexedAccessType(node, opts) {\n  assert(\`"TSIndexedAccessType"\`, node, opts);\n}\n\nfunction
assertTSMappedType(node, opts) {\n  assert(\`"TSMappedType"\`, node, opts);\n}\n\nfunction
assertTSLiteralType(node, opts) {\n  assert(\`"TSLiteralType"\`, node, opts);\n}\n\nfunction
assertTSExpressionWithTypeArguments(node, opts) {\n  assert(\`"TSExpressionWithTypeArguments"\`, node,
opts);\n}\n\nfunction assertTSInterfaceDeclaration(node, opts) {\n  assert(\`"TSInterfaceDeclaration"\`, node,
opts);\n}\n\nfunction assertTSInterfaceBody(node, opts) {\n  assert(\`"TSInterfaceBody"\`, node,
opts);\n}\n\nfunction assertTSTypeAliasDeclaration(node, opts) {\n  assert(\`"TSTypeAliasDeclaration"\`, node,
opts);\n}\n\nfunction assertTSAsExpression(node, opts) {\n  assert(\`"TSAsExpression"\`, node, opts);\n}\n\nfunction
assertTSTypeAssertion(node, opts) {\n  assert(\`"TSTypeAssertion"\`, node, opts);\n}\n\nfunction
assertTSEnumDeclaration(node, opts) {\n  assert(\`"TSEnumDeclaration"\`, node, opts);\n}\n\nfunction
assertTSEnumMember(node, opts) {\n  assert(\`"TSEnumMember"\`, node, opts);\n}\n\nfunction
assertTSMModuleDeclaration(node, opts) {\n  assert(\`"TSMModuleDeclaration"\`, node, opts);\n}\n\nfunction
assertTSMModuleBlock(node, opts) {\n  assert(\`"TSMModuleBlock"\`, node, opts);\n}\n\nfunction
assertTSImportType(node, opts) {\n  assert(\`"TSImportType"\`, node, opts);\n}\n\nfunction
assertTSImportEqualsDeclaration(node, opts) {\n  assert(\`"TSImportEqualsDeclaration"\`, node,

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opts);\n}\n\nfunction assertTSExternalModuleReference(node, opts) {\n  assert(\`TSExternalModuleReference\`,
node, opts);\n}\n\nfunction assertTSNonNullExpression(node, opts) {\n  assert(\`TSNonNullExpression\`, node,
opts);\n}\n\nfunction assertTSExportAssignment(node, opts) {\n  assert(\`TSExportAssignment\`, node,
opts);\n}\n\nfunction assertTSNamespaceExportDeclaration(node, opts) {\n
assert(\`TSNamespaceExportDeclaration\`, node, opts);\n}\n\nfunction assertTSTypeAnnotation(node, opts) {\n
assert(\`TSTypeAnnotation\`, node, opts);\n}\n\nfunction assertTSTypeParameterInstantiation(node, opts) {\n
assert(\`TSTypeParameterInstantiation\`, node, opts);\n}\n\nfunction assertTSTypeParameterDeclaration(node,
opts) {\n  assert(\`TSTypeParameterDeclaration\`, node, opts);\n}\n\nfunction assertTSTypeParameter(node, opts)
{\n  assert(\`TSTypeParameter\`, node, opts);\n}\n\nfunction assertExpression(node, opts) {\n
assert(\`Expression\`, node, opts);\n}\n\nfunction assertBinary(node, opts) {\n  assert(\`Binary\`, node,
opts);\n}\n\nfunction assertScopable(node, opts) {\n  assert(\`Scopable\`, node, opts);\n}\n\nfunction
assertBlockParent(node, opts) {\n  assert(\`BlockParent\`, node, opts);\n}\n\nfunction assertBlock(node, opts) {\n
assert(\`Block\`, node, opts);\n}\n\nfunction assertStatement(node, opts) {\n  assert(\`Statement\`, node,
opts);\n}\n\nfunction assertTerminatorless(node, opts) {\n  assert(\`Terminatorless\`, node, opts);\n}\n\nfunction
assertCompletionStatement(node, opts) {\n  assert(\`CompletionStatement\`, node, opts);\n}\n\nfunction
assertConditional(node, opts) {\n  assert(\`Conditional\`, node, opts);\n}\n\nfunction assertLoop(node, opts) {\n
assert(\`Loop\`, node, opts);\n}\n\nfunction assertWhile(node, opts) {\n  assert(\`While\`, node,
opts);\n}\n\nfunction assertExpressionWrapper(node, opts) {\n  assert(\`ExpressionWrapper\`, node,
opts);\n}\n\nfunction assertFor(node, opts) {\n  assert(\`For\`, node, opts);\n}\n\nfunction
assertForXStatement(node, opts) {\n  assert(\`ForXStatement\`, node, opts);\n}\n\nfunction assertFunction(node,
opts) {\n  assert(\`Function\`, node, opts);\n}\n\nfunction assertFunctionParent(node, opts) {\n
assert(\`FunctionParent\`, node, opts);\n}\n\nfunction assertPureish(node, opts) {\n  assert(\`Pureish\`, node,
opts);\n}\n\nfunction assertDeclaration(node, opts) {\n  assert(\`Declaration\`, node, opts);\n}\n\nfunction
assertPatternLike(node, opts) {\n  assert(\`PatternLike\`, node, opts);\n}\n\nfunction assertLVal(node, opts) {\n
assert(\`LVal\`, node, opts);\n}\n\nfunction assertTSEntityName(node, opts) {\n  assert(\`TSEntityName\`, node,
opts);\n}\n\nfunction assertLiteral(node, opts) {\n  assert(\`Literal\`, node, opts);\n}\n\nfunction
assertImmutable(node, opts) {\n  assert(\`Immutable\`, node, opts);\n}\n\nfunction assertUserWhitespacable(node,
opts) {\n  assert(\`UserWhitespacable\`, node, opts);\n}\n\nfunction assertMethod(node, opts) {\n
assert(\`Method\`, node, opts);\n}\n\nfunction assertObjectMember(node, opts) {\n  assert(\`ObjectMember\`, node,
opts);\n}\n\nfunction assertProperty(node, opts) {\n  assert(\`Property\`, node, opts);\n}\n\nfunction
assertUnaryLike(node, opts) {\n  assert(\`UnaryLike\`, node, opts);\n}\n\nfunction assertPattern(node, opts) {\n
assert(\`Pattern\`, node, opts);\n}\n\nfunction assertClass(node, opts) {\n  assert(\`Class\`, node,
opts);\n}\n\nfunction assertModuleDeclaration(node, opts) {\n  assert(\`ModuleDeclaration\`, node,
opts);\n}\n\nfunction assertExportDeclaration(node, opts) {\n  assert(\`ExportDeclaration\`, node,
opts);\n}\n\nfunction assertModuleSpecifier(node, opts) {\n  assert(\`ModuleSpecifier\`, node, opts);\n}\n\nfunction
assertFlow(node, opts) {\n  assert(\`Flow\`, node, opts);\n}\n\nfunction assertFlowType(node, opts) {\n
assert(\`FlowType\`, node, opts);\n}\n\nfunction assertFlowBaseAnnotation(node, opts) {\n
assert(\`FlowBaseAnnotation\`, node, opts);\n}\n\nfunction assertFlowDeclaration(node, opts) {\n
assert(\`FlowDeclaration\`, node, opts);\n}\n\nfunction assertFlowPredicate(node, opts) {\n
assert(\`FlowPredicate\`, node, opts);\n}\n\nfunction assertEnumBody(node, opts) {\n  assert(\`EnumBody\`, node,
opts);\n}\n\nfunction assertEnumMember(node, opts) {\n  assert(\`EnumMember\`, node, opts);\n}\n\nfunction
assertJSX(node, opts) {\n  assert(\`JSX\`, node, opts);\n}\n\nfunction assertPrivate(node, opts) {\n
assert(\`Private\`, node, opts);\n}\n\nfunction assertTSTypeElement(node, opts) {\n  assert(\`TSTypeElement\`,
node, opts);\n}\n\nfunction assertTSType(node, opts) {\n  assert(\`TSType\`, node, opts);\n}\n\nfunction
assertTSBaseType(node, opts) {\n  assert(\`TSBaseType\`, node, opts);\n}\n\nfunction assertNumberLiteral(node,
opts) {\n  console.trace(\`The node type NumberLiteral has been renamed to NumericLiteral\`);\n
assert(\`NumberLiteral\`, node, opts);\n}\n\nfunction assertRegexLiteral(node, opts) {\n  console.trace(\`The node
type RegexLiteral has been renamed to RegExpLiteral\`);\n  assert(\`RegexLiteral\`, node, opts);\n}\n\nfunction

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assertRestProperty(node, opts) {\n  console.trace("The node type RestProperty has been renamed to
RestElement");\n  assert("RestProperty", node, opts);\n}\n\nfunction assertSpreadProperty(node, opts) {\n
console.trace("The node type SpreadProperty has been renamed to SpreadElement");\n  assert("SpreadProperty",
node, opts);\n}\n\n"\"use strict\"";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value:
true\n});\n\nexports.default = createTypeAnnotationBasedOnTypeof;\n\n\nvar _generated =
require(\"../generated\");\n\n\nfunction createTypeAnnotationBasedOnTypeof(type) {\n  if (type === \"string\") {\n
return (0, _generated.stringTypeAnnotation());\n  } else if (type === \"number\") {\n  return (0,
_generated.numberTypeAnnotation());\n  } else if (type === \"undefined\") {\n  return (0,
_generated.voidTypeAnnotation());\n  } else if (type === \"boolean\") {\n  return (0,
_generated.booleanTypeAnnotation());\n  } else if (type === \"function\") {\n  return (0,
_generated.genericTypeAnnotation)((0, _generated.identifier)("Function"));}\n  } else if (type === \"object\") {\n
return (0, _generated.genericTypeAnnotation)((0, _generated.identifier)("Object"));}\n  } else if (type ===
\"symbol\") {\n  return (0, _generated.genericTypeAnnotation)((0, _generated.identifier)("Symbol"));}\n  } else if
(type === \"bigint\") {\n  return (0, _generated.anyTypeAnnotation());\n  } else {\n  throw new Error("Invalid
typeof value: \" + type);\n  }\n}\n\n"\"use strict\"";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value:
true\n});\n\nexports.default = createFlowUnionType;\n\n\nvar _generated = require(\"../generated\");\n\n\nvar
_removeTypeDuplicates = require(\"../modifications/flow/removeTypeDuplicates\");\n\n\nfunction
createFlowUnionType(types) {\n  const flattened = (0, _removeTypeDuplicates.default)(types);\n\n  if
(flattened.length === 1) {\n  return flattened[0];\n  } else {\n  return (0,
_generated.unionTypeAnnotation)(flattened);\n  }\n}\n\n"\"use strict\"";\n\nObject.defineProperty(exports,
\"__esModule\", {\n  value: true\n});\n\nexports.default = createTSUnionType;\n\n\nvar _generated =
require(\"../generated\");\n\n\nvar _removeTypeDuplicates =
require(\"../modifications/typescript/removeTypeDuplicates\");\n\n\nfunction createTSUnionType(typeAnnotations)
{\n  const types = typeAnnotations.map(type => type.typeAnnotation);\n  const flattened = (0,
_removeTypeDuplicates.default)(types);\n\n  if (flattened.length === 1) {\n  return flattened[0];\n  } else {\n
return (0, _generated.tsUnionType)(flattened);\n  }\n}\n\n"\"use strict\"";\n\nObject.defineProperty(exports,
\"__esModule\", {\n  value: true\n});\n\nexports.default = removeTypeDuplicates;\n\n\nvar _generated =
require(\"../validators/generated\");\n\n\nfunction removeTypeDuplicates(nodes) {\n  const generics = {};\n  const
bases = {};\n  const typeGroups = [];\n  const types = [];\n\n  for (let i = 0; i < nodes.length; i++) {\n  const node =
nodes[i];\n  if (!node) continue;\n\n  if (types.indexOf(node) >= 0) {\n  continue;\n  }\n\n  if ((0,
_generated.isTSAnyKeyword)(node)) {\n  return [node];\n  }\n\n  if ((0, _generated.isTSBaseType)(node)) {\n
bases[node.type] = node;\n  continue;\n  }\n\n  if ((0, _generated.isTSUnionType)(node)) {\n  if
(typeGroups.indexOf(node.types) < 0) {\n  nodes = nodes.concat(node.types);\n
typeGroups.push(node.types);\n  }\n\n  continue;\n  }\n\n  types.push(node);\n  }\n\n  for (const type of
Object.keys(bases)) {\n  types.push(bases[type]);\n  }\n\n  for (const name of Object.keys(generics)) {\n
types.push(generics[name]);\n  }\n\n  return types;\n}\n\n"\"use strict\"";\n\nObject.defineProperty(exports,
\"__esModule\", {\n  value: true\n});\n\nObject.defineProperty(exports, \"ArrayExpression\", {\n  enumerable: true,\n
get: function () {\n  return _index.arrayExpression;\n  }\n});\n\nObject.defineProperty(exports,
\"AssignmentExpression\", {\n  enumerable: true,\n  get: function () {\n  return _index.assignmentExpression;\n
}\n});\n\nObject.defineProperty(exports, \"BinaryExpression\", {\n  enumerable: true,\n  get: function () {\n
return _index.binaryExpression;\n  }\n});\n\nObject.defineProperty(exports, \"InterpreterDirective\", {\n  enumerable: true,\n
get: function () {\n  return _index.interpreterDirective;\n  }\n});\n\nObject.defineProperty(exports, \"Directive\", {\n
enumerable: true,\n  get: function () {\n  return _index.directive;\n  }\n});\n\nObject.defineProperty(exports,
\"DirectiveLiteral\", {\n  enumerable: true,\n  get: function () {\n  return _index.directiveLiteral;\n
}\n});\n\nObject.defineProperty(exports, \"BlockStatement\", {\n  enumerable: true,\n  get: function () {\n
return _index.blockStatement;\n  }\n});\n\nObject.defineProperty(exports, \"BreakStatement\", {\n  enumerable: true,\n
get: function () {\n  return _index.breakStatement;\n  }\n});\n\nObject.defineProperty(exports, \"CallExpression\", {\n
enumerable: true,\n  get: function () {\n  return _index.callExpression;\n  }\n});\n\nObject.defineProperty(exports,

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"CatchClause", {\n enumerable: true,\n get: function () {\n return _index.catchClause;\n }\n});\nObject.defineProperty(exports, "ConditionalExpression", {\n enumerable: true,\n get: function () {\n return _index.conditionalExpression;\n }\n});\nObject.defineProperty(exports, "ContinueStatement", {\n enumerable: true,\n get: function () {\n return _index.continueStatement;\n }\n});\nObject.defineProperty(exports, "DebuggerStatement", {\n enumerable: true,\n get: function () {\n return _index.debuggerStatement;\n }\n});\nObject.defineProperty(exports, "DoWhileStatement", {\n enumerable: true,\n get: function () {\n return _index.doWhileStatement;\n }\n});\nObject.defineProperty(exports, "EmptyStatement", {\n enumerable: true,\n get: function () {\n return _index.emptyStatement;\n }\n});\nObject.defineProperty(exports, "ExpressionStatement", {\n enumerable: true,\n get: function () {\n return _index.expressionStatement;\n }\n});\nObject.defineProperty(exports, "File", {\n enumerable: true,\n get: function () {\n return _index.file;\n }\n});\nObject.defineProperty(exports, "ForInStatement", {\n enumerable: true,\n get: function () {\n return _index.forInStatement;\n }\n});\nObject.defineProperty(exports, "ForStatement", {\n enumerable: true,\n get: function () {\n return _index.forStatement;\n }\n});\nObject.defineProperty(exports, "FunctionDeclaration", {\n enumerable: true,\n get: function () {\n return _index.functionDeclaration;\n }\n});\nObject.defineProperty(exports, "FunctionExpression", {\n enumerable: true,\n get: function () {\n return _index.functionExpression;\n }\n});\nObject.defineProperty(exports, "Identifier", {\n enumerable: true,\n get: function () {\n return _index.identifier;\n }\n});\nObject.defineProperty(exports, "IfStatement", {\n enumerable: true,\n get: function () {\n return _index.ifStatement;\n }\n});\nObject.defineProperty(exports, "LabeledStatement", {\n enumerable: true,\n get: function () {\n return _index.labeledStatement;\n }\n});\nObject.defineProperty(exports, "StringLiteral", {\n enumerable: true,\n get: function () {\n return _index.stringLiteral;\n }\n});\nObject.defineProperty(exports, "NumericLiteral", {\n enumerable: true,\n get: function () {\n return _index.numericLiteral;\n }\n});\nObject.defineProperty(exports, "NullLiteral", {\n enumerable: true,\n get: function () {\n return _index.nullLiteral;\n }\n});\nObject.defineProperty(exports, "BooleanLiteral", {\n enumerable: true,\n get: function () {\n return _index.booleanLiteral;\n }\n});\nObject.defineProperty(exports, "RegExpLiteral", {\n enumerable: true,\n get: function () {\n return _index.regExpLiteral;\n }\n});\nObject.defineProperty(exports, "LogicalExpression", {\n enumerable: true,\n get: function () {\n return _index.logicalExpression;\n }\n});\nObject.defineProperty(exports, "MemberExpression", {\n enumerable: true,\n get: function () {\n return _index.memberExpression;\n }\n});\nObject.defineProperty(exports, "NewExpression", {\n enumerable: true,\n get: function () {\n return _index.newExpression;\n }\n});\nObject.defineProperty(exports, "Program", {\n enumerable: true,\n get: function () {\n return _index.program;\n }\n});\nObject.defineProperty(exports, "ObjectExpression", {\n enumerable: true,\n get: function () {\n return _index.objectExpression;\n }\n});\nObject.defineProperty(exports, "ObjectMethod", {\n enumerable: true,\n get: function () {\n return _index.objectMethod;\n }\n});\nObject.defineProperty(exports, "ObjectProperty", {\n enumerable: true,\n get: function () {\n return _index.objectProperty;\n }\n});\nObject.defineProperty(exports, "RestElement", {\n enumerable: true,\n get: function () {\n return _index.restElement;\n }\n});\nObject.defineProperty(exports, "ReturnStatement", {\n enumerable: true,\n get: function () {\n return _index.returnStatement;\n }\n});\nObject.defineProperty(exports, "SequenceExpression", {\n enumerable: true,\n get: function () {\n return _index.sequenceExpression;\n }\n});\nObject.defineProperty(exports, "ParenthesizedExpression", {\n enumerable: true,\n get: function () {\n return _index.parenthesizedExpression;\n }\n});\nObject.defineProperty(exports, "SwitchCase", {\n enumerable: true,\n get: function () {\n return _index.switchCase;\n }\n});\nObject.defineProperty(exports, "SwitchStatement", {\n enumerable: true,\n get: function () {\n return _index.switchStatement;\n }\n});\nObject.defineProperty(exports, "ThisExpression", {\n enumerable: true,\n get: function () {\n return _index.thisExpression;\n }\n});\nObject.defineProperty(exports, "ThrowStatement", {\n enumerable: true,\n get: function () {\n return _index.throwStatement;\n }\n});\nObject.defineProperty(exports, "TryStatement", {\n enumerable: true,\n get: function () {\n return _index.tryStatement;\n }\n});\nObject.defineProperty(exports, "UnaryExpression", {\n enumerable: true,\n get: function () {\n return _index.unaryExpression;\n }\n});\nObject.defineProperty(exports, "UpdateExpression",
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{\n enumerable: true,\n get: function () {\n return _index.updateExpression;\n
}}\n});\nObject.defineProperty(exports, \"VariableDeclaration\", {\n enumerable: true,\n get: function () {\n return
_index.variableDeclaration;\n }}\n});\nObject.defineProperty(exports, \"VariableDeclarator\", {\n enumerable:
true,\n get: function () {\n return _index.variableDeclarator;\n }}\n});\nObject.defineProperty(exports,
\"WhileStatement\", {\n enumerable: true,\n get: function () {\n return _index.whileStatement;\n
}}\n});\nObject.defineProperty(exports, \"WithStatement\", {\n enumerable: true,\n get: function () {\n return
_index.withStatement;\n }}\n});\nObject.defineProperty(exports, \"AssignmentPattern\", {\n enumerable: true,\n
get: function () {\n return _index.assignmentPattern;\n }}\n});\nObject.defineProperty(exports, \"ArrayPattern\",
{\n enumerable: true,\n get: function () {\n return _index.arrayPattern;\n }}\n});\nObject.defineProperty(exports,
\"ArrowFunctionExpression\", {\n enumerable: true,\n get: function () {\n return
_index.arrowFunctionExpression;\n }}\n});\nObject.defineProperty(exports, \"ClassBody\", {\n enumerable: true,\n
get: function () {\n return _index.classBody;\n }}\n});\nObject.defineProperty(exports, \"ClassExpression\", {\n
enumerable: true,\n get: function () {\n return _index.classExpression;\n }}\n});\nObject.defineProperty(exports,
\"ClassDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.classDeclaration;\n
}}\n});\nObject.defineProperty(exports, \"ExportAllDeclaration\", {\n enumerable: true,\n get: function () {\n
return _index.exportAllDeclaration;\n }}\n});\nObject.defineProperty(exports, \"ExportDefaultDeclaration\", {\n
enumerable: true,\n get: function () {\n return _index.exportDefaultDeclaration;\n
}}\n});\nObject.defineProperty(exports, \"ExportNamedDeclaration\", {\n enumerable: true,\n get: function () {\n
return _index.exportNamedDeclaration;\n }}\n});\nObject.defineProperty(exports, \"ExportSpecifier\", {\n
enumerable: true,\n get: function () {\n return _index.exportSpecifier;\n }}\n});\nObject.defineProperty(exports,
\"ForOfStatement\", {\n enumerable: true,\n get: function () {\n return _index.forOfStatement;\n
}}\n});\nObject.defineProperty(exports, \"ImportDeclaration\", {\n enumerable: true,\n get: function () {\n
return _index.importDeclaration;\n }}\n});\nObject.defineProperty(exports, \"ImportDefaultSpecifier\", {\n
enumerable: true,\n get: function () {\n return _index.importDefaultSpecifier;\n }}\n});\nObject.defineProperty(exports,
\"ImportNamespaceSpecifier\", {\n enumerable: true,\n get: function () {\n return
_index.importNamespaceSpecifier;\n }}\n});\nObject.defineProperty(exports, \"ImportSpecifier\", {\n enumerable:
true,\n get: function () {\n return _index.importSpecifier;\n }}\n});\nObject.defineProperty(exports,
\"MetaProperty\", {\n enumerable: true,\n get: function () {\n return _index.metaProperty;\n
}}\n});\nObject.defineProperty(exports, \"ClassMethod\", {\n enumerable: true,\n get: function () {\n return
_index.classMethod;\n }}\n});\nObject.defineProperty(exports, \"ObjectPattern\", {\n enumerable: true,\n
get: function () {\n return _index.objectPattern;\n }}\n});\nObject.defineProperty(exports, \"SpreadElement\", {\n
enumerable: true,\n get: function () {\n return _index.spreadElement;\n }}\n});\nObject.defineProperty(exports,
\"Super\", {\n enumerable: true,\n get: function () {\n return _index.super;\n
}}\n});\nObject.defineProperty(exports, \"TaggedTemplateExpression\", {\n enumerable: true,\n get: function () {\n
return _index.taggedTemplateExpression;\n }}\n});\nObject.defineProperty(exports, \"TemplateElement\", {\n
enumerable: true,\n get: function () {\n return _index.templateElement;\n }}\n});\nObject.defineProperty(exports,
\"TemplateLiteral\", {\n enumerable: true,\n get: function () {\n return _index.templateLiteral;\n
}}\n});\nObject.defineProperty(exports, \"YieldExpression\", {\n enumerable: true,\n get: function () {\n
return _index.yieldExpression;\n }}\n});\nObject.defineProperty(exports, \"AwaitExpression\", {\n enumerable: true,\n
get: function () {\n return _index.awaitExpression;\n }}\n});\nObject.defineProperty(exports, \"Import\", {\n
enumerable: true,\n get: function () {\n return _index.import;\n }}\n});\nObject.defineProperty(exports,
\"BigIntLiteral\", {\n enumerable: true,\n get: function () {\n return _index.bigIntLiteral;\n
}}\n});\nObject.defineProperty(exports, \"ExportNamespaceSpecifier\", {\n enumerable: true,\n get: function () {\n
return _index.exportNamespaceSpecifier;\n }}\n});\nObject.defineProperty(exports, \"OptionalMemberExpression\",
{\n enumerable: true,\n get: function () {\n return _index.optionalMemberExpression;\n
}}\n});\nObject.defineProperty(exports, \"OptionalCallExpression\", {\n enumerable: true,\n get: function () {\n
return _index.optionalCallExpression;\n }}\n});\nObject.defineProperty(exports, \"AnyTypeAnnotation\", {\n
enumerable: true,\n get: function () {\n return _index.anyTypeAnnotation;\n
}}\n});

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    });\nObject.defineProperty(exports, \"ArrayTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.arrayTypeAnnotation;\n }});\nObject.defineProperty(exports, \"BooleanTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.booleanTypeAnnotation;\n }});\nObject.defineProperty(exports, \"BooleanLiteralTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.booleanLiteralTypeAnnotation;\n }});\nObject.defineProperty(exports, \"NullLiteralTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.nullLiteralTypeAnnotation;\n }});\nObject.defineProperty(exports, \"ClassImplements\", {\n enumerable: true,\n get: function () {\n return _index.classImplements;\n }});\nObject.defineProperty(exports, \"DeclareClass\", {\n enumerable: true,\n get: function () {\n return _index.declareClass;\n }});\nObject.defineProperty(exports, \"DeclareFunction\", {\n enumerable: true,\n get: function () {\n return _index.declareFunction;\n }});\nObject.defineProperty(exports, \"DeclareInterface\", {\n enumerable: true,\n get: function () {\n return _index.declareInterface;\n }});\nObject.defineProperty(exports, \"DeclareModule\", {\n enumerable: true,\n get: function () {\n return _index.declareModule;\n }});\nObject.defineProperty(exports, \"DeclareModuleExports\", {\n enumerable: true,\n get: function () {\n return _index.declareModuleExports;\n }});\nObject.defineProperty(exports, \"DeclareTypeAlias\", {\n enumerable: true,\n get: function () {\n return _index.declareTypeAlias;\n }});\nObject.defineProperty(exports, \"DeclareOpaqueType\", {\n enumerable: true,\n get: function () {\n return _index.declareOpaqueType;\n }});\nObject.defineProperty(exports, \"DeclareVariable\", {\n enumerable: true,\n get: function () {\n return _index.declareVariable;\n }});\nObject.defineProperty(exports, \"DeclareExportDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.declareExportDeclaration;\n }});\nObject.defineProperty(exports, \"DeclareExportAllDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.declareExportAllDeclaration;\n }});\nObject.defineProperty(exports, \"DeclaredPredicate\", {\n enumerable: true,\n get: function () {\n return _index.declaredPredicate;\n }});\nObject.defineProperty(exports, \"ExistsTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.existsTypeAnnotation;\n }});\nObject.defineProperty(exports, \"FunctionTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.functionTypeAnnotation;\n }});\nObject.defineProperty(exports, \"FunctionTypeParam\", {\n enumerable: true,\n get: function () {\n return _index.functionTypeParam;\n }});\nObject.defineProperty(exports, \"GenericTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.genericTypeAnnotation;\n }});\nObject.defineProperty(exports, \"InferredPredicate\", {\n enumerable: true,\n get: function () {\n return _index.inferredPredicate;\n }});\nObject.defineProperty(exports, \"InterfaceExtends\", {\n enumerable: true,\n get: function () {\n return _index.interfaceExtends;\n }});\nObject.defineProperty(exports, \"InterfaceDeclaration\", {\n enumerable: true,\n get: function () {\n return _index.interfaceDeclaration;\n }});\nObject.defineProperty(exports, \"InterfaceTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.interfaceTypeAnnotation;\n }});\nObject.defineProperty(exports, \"IntersectionTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.intersectionTypeAnnotation;\n }});\nObject.defineProperty(exports, \"MixedTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.mixedTypeAnnotation;\n }});\nObject.defineProperty(exports, \"EmptyTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.emptyTypeAnnotation;\n }});\nObject.defineProperty(exports, \"NullableTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.nullableTypeAnnotation;\n }});\nObject.defineProperty(exports, \"NumberLiteralTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.numberLiteralTypeAnnotation;\n }});\nObject.defineProperty(exports, \"NumberTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.numberTypeAnnotation;\n }});\nObject.defineProperty(exports, \"ObjectTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _index.objectTypeAnnotation;\n }});\nObject.defineProperty(exports, \"ObjectTypeInternalSlot\", {\n enumerable: true,\n get: function () {\n return _index.objectTypeInternalSlot;\n }});\nObject.defineProperty(exports, \"ObjectTypeCallProperty\", {\n enumerable: true,\n get: function () {\n return _index.objectTypeCallProperty;\n }});\nObject.defineProperty(exports, \"ObjectTypeIndexer\", {\n

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enumerable: true,\n get: function () {\n return _index.objectTypeIndexer;\n
}\n});\nObject.defineProperty(exports, \"ObjectTypeProperty\", {\n enumerable: true,\n get: function () {\n return
_index.objectTypeProperty;\n }\n});\nObject.defineProperty(exports, \"ObjectTypeSpreadProperty\", {\n
enumerable: true,\n get: function () {\n return _index.objectTypeSpreadProperty;\n
}\n});\nObject.defineProperty(exports, \"OpaqueType\", {\n enumerable: true,\n get: function () {\n return
_index.opaqueType;\n }\n});\nObject.defineProperty(exports, \"QualifiedTypeIdentifier\", {\n enumerable: true,\n
get: function () {\n return _index.qualifiedTypeIdentifier;\n }\n});\nObject.defineProperty(exports,
\"StringLiteralTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return
_index.stringLiteralTypeAnnotation;\n }\n});\nObject.defineProperty(exports, \"StringTypeAnnotation\", {\n
enumerable: true,\n get: function () {\n return _index.stringTypeAnnotation;\n
}\n});\nObject.defineProperty(exports, \"SymbolTypeAnnotation\", {\n enumerable: true,\n get: function () {\n
return _index.symbolTypeAnnotation;\n }\n});\nObject.defineProperty(exports, \"ThisTypeAnnotation\", {\n
enumerable: true,\n get: function () {\n return _index.thisTypeAnnotation;\n
}\n});\nObject.defineProperty(exports, \"TupleTypeAnnotation\", {\n enumerable: true,\n get: function () {\n
return _index.tupleTypeAnnotation;\n }\n});\nObject.defineProperty(exports, \"TypeofTypeAnnotation\", {\n
enumerable: true,\n get: function () {\n return _index.typeofTypeAnnotation;\n
}\n});\nObject.defineProperty(exports, \"TypeAlias\", {\n enumerable: true,\n get: function () {\n return
_index.typeAlias;\n }\n});\nObject.defineProperty(exports, \"TypeAnnotation\", {\n enumerable: true,\n get:
function () {\n return _index.typeAnnotation;\n }\n});\nObject.defineProperty(exports, \"TypeCastExpression\",
{\n enumerable: true,\n get: function () {\n return _index.typeCastExpression;\n
}\n});\nObject.defineProperty(exports, \"TypeParameter\", {\n enumerable: true,\n get: function () {\n return
_index.typeParameter;\n }\n});\nObject.defineProperty(exports, \"TypeParameterDeclaration\", {\n enumerable:
true,\n get: function () {\n return _index.typeParameterDeclaration;\n }\n});\nObject.defineProperty(exports,
\"TypeParameterInstantiation\", {\n enumerable: true,\n get: function () {\n return
_index.typeParameterInstantiation;\n }\n});\nObject.defineProperty(exports, \"UnionTypeAnnotation\", {\n
enumerable: true,\n get: function () {\n return _index.unionTypeAnnotation;\n
}\n});\nObject.defineProperty(exports, \"Variance\", {\n enumerable: true,\n get: function () {\n return
_index.variance;\n }\n});\nObject.defineProperty(exports, \"VoidTypeAnnotation\", {\n enumerable: true,\n
get: function () {\n return _index.voidTypeAnnotation;\n }\n});\nObject.defineProperty(exports, \"EnumDeclaration\",
{\n enumerable: true,\n get: function () {\n return _index.enumDeclaration;\n
}\n});\nObject.defineProperty(exports, \"EnumBooleanBody\", {\n enumerable: true,\n get: function () {\n
return _index.enumBooleanBody;\n }\n});\nObject.defineProperty(exports, \"EnumNumberBody\", {\n enumerable:
true,\n get: function () {\n return _index.enumNumberBody;\n }\n});\nObject.defineProperty(exports,
\"EnumStringBody\", {\n enumerable: true,\n get: function () {\n return _index.enumStringBody;\n
}\n});\nObject.defineProperty(exports, \"EnumSymbolBody\", {\n enumerable: true,\n get: function () {\n
return _index.enumSymbolBody;\n }\n});\nObject.defineProperty(exports, \"EnumBooleanMember\", {\n enumerable:
true,\n get: function () {\n return _index.enumBooleanMember;\n }\n});\nObject.defineProperty(exports,
\"EnumNumberMember\", {\n enumerable: true,\n get: function () {\n return _index.enumNumberMember;\n
}\n});\nObject.defineProperty(exports, \"EnumStringMember\", {\n enumerable: true,\n get: function () {\n
return _index.enumStringMember;\n }\n});\nObject.defineProperty(exports, \"EnumDefaultedMember\", {\n
enumerable: true,\n get: function () {\n return _index.enumDefaultedMember;\n }\n});\nObject.defineProperty(exports,
\"IndexedAccessType\", {\n enumerable: true,\n get: function () {\n return _index.indexedAccessType;\n
}\n});\nObject.defineProperty(exports, \"OptionalIndexedAccessType\", {\n enumerable: true,\n get: function () {\n
return _index.optionalIndexedAccessType;\n }\n});\nObject.defineProperty(exports, \"JSXAttribute\", {\n
enumerable: true,\n get: function () {\n return _index.jsxAttribute;\n }\n});\nObject.defineProperty(exports,
\"JSXClosingElement\", {\n enumerable: true,\n get: function () {\n return _index.jsxClosingElement;\n
}\n});\nObject.defineProperty(exports, \"JSXElement\", {\n enumerable: true,\n get: function () {\n return
_index.jsxElement;\n }\n});\nObject.defineProperty(exports, \"JSXEmptyExpression\", {\n enumerable: true,\n

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get: function () {\n  return _index.jsxEmptyExpression;\n };\n});\nObject.defineProperty(exports,
\'JSXExpressionContainer\', {\n  enumerable: true,\n  get: function () {\n  return _index.jsxExpressionContainer;\n
}\n});\nObject.defineProperty(exports, \'JSXSpreadChild\', {\n  enumerable: true,\n  get: function () {\n  return
_index.jsxSpreadChild;\n };\n});\nObject.defineProperty(exports, \'JSXIdentifier\', {\n  enumerable: true,\n  get:
function () {\n  return _index.jsxIdentifier;\n };\n});\nObject.defineProperty(exports, \'JSXMemberExpression\',
{\n  enumerable: true,\n  get: function () {\n  return _index.jsxMemberExpression;\n
}\n});\nObject.defineProperty(exports, \'JSXNamespacedName\', {\n  enumerable: true,\n  get: function () {\n
return _index.jsxNamespacedName;\n };\n});\nObject.defineProperty(exports, \'JSXOpeningElement\', {\n
enumerable: true,\n  get: function () {\n  return _index.jsxOpeningElement;\n
}\n});\nObject.defineProperty(exports, \'JSXSpreadAttribute\', {\n  enumerable: true,\n  get: function () {\n
return _index.jsxSpreadAttribute;\n };\n});\nObject.defineProperty(exports, \'JSXText\', {\n  enumerable: true,\n
get: function () {\n  return _index.jsxText;\n };\n});\nObject.defineProperty(exports, \'JSXFragment\', {\n
enumerable: true,\n  get: function () {\n  return _index.jsxFragment;\n };\n});\nObject.defineProperty(exports,
\'JSXOpeningFragment\', {\n  enumerable: true,\n  get: function () {\n  return _index.jsxOpeningFragment;\n
}\n});\nObject.defineProperty(exports, \'JSXClosingFragment\', {\n  enumerable: true,\n  get: function () {\n
return _index.jsxClosingFragment;\n };\n});\nObject.defineProperty(exports, \'Noop\', {\n  enumerable: true,\n
get: function () {\n  return _index.noop;\n };\n});\nObject.defineProperty(exports, \'Placeholder\', {\n
enumerable: true,\n  get: function () {\n  return _index.placeholder;\n };\n});\nObject.defineProperty(exports,
\'V8IntrinsicIdentifier\', {\n  enumerable: true,\n  get: function () {\n  return _index.v8IntrinsicIdentifier;\n
}\n});\nObject.defineProperty(exports, \'ArgumentPlaceholder\', {\n  enumerable: true,\n  get: function () {\n
return _index.argumentPlaceholder;\n };\n});\nObject.defineProperty(exports, \'BindExpression\', {\n
enumerable: true,\n  get: function () {\n  return _index.bindExpression;\n };\n});\nObject.defineProperty(exports,
\'ClassProperty\', {\n  enumerable: true,\n  get: function () {\n  return _index.classProperty;\n
}\n});\nObject.defineProperty(exports, \'PipelineTopicExpression\', {\n  enumerable: true,\n  get: function () {\n
return _index.pipelineTopicExpression;\n };\n});\nObject.defineProperty(exports, \'PipelineBareFunction\', {\n
enumerable: true,\n  get: function () {\n  return _index.pipelineBareFunction;\n
}\n});\nObject.defineProperty(exports, \'PipelinePrimaryTopicReference\', {\n  enumerable: true,\n  get: function
() {\n  return _index.pipelinePrimaryTopicReference;\n };\n});\nObject.defineProperty(exports,
\'ClassPrivateProperty\', {\n  enumerable: true,\n  get: function () {\n  return _index.classPrivateProperty;\n
}\n});\nObject.defineProperty(exports, \'ClassPrivateMethod\', {\n  enumerable: true,\n  get: function () {\n
return _index.classPrivateMethod;\n };\n});\nObject.defineProperty(exports, \'ImportAttribute\', {\n
enumerable: true,\n  get: function () {\n  return _index.importAttribute;\n };\n});\nObject.defineProperty(exports,
\'Decorator\', {\n  enumerable: true,\n  get: function () {\n  return _index.decorator;\n };\n});\nObject.defineProperty(exports,
\'DoExpression\', {\n  enumerable: true,\n  get: function () {\n  return _index.doExpression;\n
}\n});\nObject.defineProperty(exports, \'ExportDefaultSpecifier\', {\n  enumerable: true,\n  get: function () {\n
return _index.exportDefaultSpecifier;\n };\n});\nObject.defineProperty(exports, \'PrivateName\', {\n
enumerable: true,\n  get: function () {\n  return _index.privateName;\n };\n});\nObject.defineProperty(exports,
\'RecordExpression\', {\n  enumerable: true,\n  get: function () {\n  return _index.recordExpression;\n
}\n});\nObject.defineProperty(exports, \'TupleExpression\', {\n  enumerable: true,\n  get: function () {\n
return _index.tupleExpression;\n };\n});\nObject.defineProperty(exports, \'DecimalLiteral\', {\n
enumerable: true,\n  get: function () {\n  return _index.decimalLiteral;\n };\n});\nObject.defineProperty(exports,
\'StaticBlock\', {\n  enumerable: true,\n  get: function () {\n  return _index.staticBlock;\n };\n});\nObject.defineProperty(exports,
\'ModuleExpression\', {\n  enumerable: true,\n  get: function () {\n  return _index.moduleExpression;\n
}\n});\nObject.defineProperty(exports, \'TSParameterProperty\', {\n  enumerable: true,\n  get: function () {\n
return _index.tsParameterProperty;\n };\n});\nObject.defineProperty(exports, \'TSDeclareFunction\', {\n
enumerable: true,\n  get: function () {\n  return _index.tsDeclareFunction;\n };\n});\nObject.defineProperty(exports,
\'TSDeclareMethod\', {\n  enumerable: true,\n  get: function () {\n  return _index.tsDeclareMethod;\n
}\n});\nObject.defineProperty(exports, \'TSQualifiedName\', {\n  enumerable: true,\n  get: function () {\n
return

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_index.tsQualifiedName;\n }\\n});\\nObject.defineProperty(exports, \\nTSCallSignatureDeclaration\\n, {\\n
enumerable: true,\\n get: function () {\\n return _index.tsCallSignatureDeclaration;\\n
}\\n});\\nObject.defineProperty(exports, \\nTSConstructSignatureDeclaration\\n, {\\n enumerable: true,\\n get: function
() {\\n return _index.tsConstructSignatureDeclaration;\\n }\\n});\\nObject.defineProperty(exports,
\\nTSPropertySignature\\n, {\\n enumerable: true,\\n get: function () {\\n return _index.tsPropertySignature;\\n
}\\n});\\nObject.defineProperty(exports, \\nTSMethodSignature\\n, {\\n enumerable: true,\\n get: function () {\\n return
_index.tsMethodSignature;\\n }\\n});\\nObject.defineProperty(exports, \\nTSIndexSignature\\n, {\\n enumerable: true,\\n
get: function () {\\n return _index.tsIndexSignature;\\n }\\n});\\nObject.defineProperty(exports, \\nTSAnyKeyword\\n,
{\\n enumerable: true,\\n get: function () {\\n return _index.tsAnyKeyword;\\n
}\\n});\\nObject.defineProperty(exports, \\nTSBooleanKeyword\\n, {\\n enumerable: true,\\n get: function () {\\n return
_index.tsBooleanKeyword;\\n }\\n});\\nObject.defineProperty(exports, \\nTSBigIntKeyword\\n, {\\n enumerable:
true,\\n get: function () {\\n return _index.tsBigIntKeyword;\\n }\\n});\\nObject.defineProperty(exports,
\\nTSIntrinsicKeyword\\n, {\\n enumerable: true,\\n get: function () {\\n return _index.tsIntrinsicKeyword;\\n
}\\n});\\nObject.defineProperty(exports, \\nTSNeverKeyword\\n, {\\n enumerable: true,\\n get: function () {\\n return
_index.tsNeverKeyword;\\n }\\n});\\nObject.defineProperty(exports, \\nTSNullKeyword\\n, {\\n enumerable: true,\\n
get: function () {\\n return _index.tsNullKeyword;\\n }\\n});\\nObject.defineProperty(exports,
\\nTSNumberKeyword\\n, {\\n enumerable: true,\\n get: function () {\\n return _index.tsNumberKeyword;\\n
}\\n});\\nObject.defineProperty(exports, \\nTSObjectKeyword\\n, {\\n enumerable: true,\\n get: function () {\\n return
_index.tsObjectKeyword;\\n }\\n});\\nObject.defineProperty(exports, \\nTSStringKeyword\\n, {\\n enumerable: true,\\n
get: function () {\\n return _index.tsStringKeyword;\\n }\\n});\\nObject.defineProperty(exports,
\\nTSSymbolKeyword\\n, {\\n enumerable: true,\\n get: function () {\\n return _index.tsSymbolKeyword;\\n
}\\n});\\nObject.defineProperty(exports, \\nTSUndefinedKeyword\\n, {\\n enumerable: true,\\n get: function () {\\n
return _index.tsUndefinedKeyword;\\n }\\n});\\nObject.defineProperty(exports, \\nTSUnknownKeyword\\n, {\\n
enumerable: true,\\n get: function () {\\n return _index.tsUnknownKeyword;\\n
}\\n});\\nObject.defineProperty(exports, \\nTSVoidKeyword\\n, {\\n enumerable: true,\\n get: function () {\\n return
_index.tsVoidKeyword;\\n }\\n});\\nObject.defineProperty(exports, \\nTSThisType\\n, {\\n enumerable: true,\\n get:
function () {\\n return _index.tsThisType;\\n }\\n});\\nObject.defineProperty(exports, \\nTSFunctionType\\n, {\\n
enumerable: true,\\n get: function () {\\n return _index.tsFunctionType;\\n }\\n});\\nObject.defineProperty(exports,
\\nTSConstructorType\\n, {\\n enumerable: true,\\n get: function () {\\n return _index.tsConstructorType;\\n
}\\n});\\nObject.defineProperty(exports, \\nTSTypeReference\\n, {\\n enumerable: true,\\n get: function () {\\n return
_index.tsTypeReference;\\n }\\n});\\nObject.defineProperty(exports, \\nTSTypePredicate\\n, {\\n enumerable: true,\\n
get: function () {\\n return _index.tsTypePredicate;\\n }\\n});\\nObject.defineProperty(exports, \\nTSTypeQuery\\n,
{\\n enumerable: true,\\n get: function () {\\n return _index.tsTypeQuery;\\n }\\n});\\nObject.defineProperty(exports,
\\nTSTypeLiteral\\n, {\\n enumerable: true,\\n get: function () {\\n return _index.tsTypeLiteral;\\n
}\\n});\\nObject.defineProperty(exports, \\nTSArrayType\\n, {\\n enumerable: true,\\n get: function () {\\n return
_index.tsArrayType;\\n }\\n});\\nObject.defineProperty(exports, \\nTSTupleType\\n, {\\n enumerable: true,\\n get:
function () {\\n return _index.tsTupleType;\\n }\\n});\\nObject.defineProperty(exports, \\nTSOptionalType\\n, {\\n
enumerable: true,\\n get: function () {\\n return _index.tsOptionalType;\\n }\\n});\\nObject.defineProperty(exports,
\\nTSRestType\\n, {\\n enumerable: true,\\n get: function () {\\n return _index.tsRestType;\\n
}\\n});\\nObject.defineProperty(exports, \\nTSNamedTupleMember\\n, {\\n enumerable: true,\\n get: function () {\\n
return _index.tsNamedTupleMember;\\n }\\n});\\nObject.defineProperty(exports, \\nTSUnionType\\n, {\\n enumerable:
true,\\n get: function () {\\n return _index.tsUnionType;\\n }\\n});\\nObject.defineProperty(exports,
\\nTSIntersectionType\\n, {\\n enumerable: true,\\n get: function () {\\n return _index.tsIntersectionType;\\n
}\\n});\\nObject.defineProperty(exports, \\nTSConditionalType\\n, {\\n enumerable: true,\\n get: function () {\\n
return _index.tsConditionalType;\\n }\\n});\\nObject.defineProperty(exports, \\nTSInferType\\n, {\\n enumerable: true,\\n
get: function () {\\n return _index.tsInferType;\\n }\\n});\\nObject.defineProperty(exports, \\nTSParenthesizedType\\n,
{\\n enumerable: true,\\n get: function () {\\n return _index.tsParenthesizedType;\\n
}\\n});\\nObject.defineProperty(exports, \\nTSTypeOperator\\n, {\\n enumerable: true,\\n get: function () {\\n return

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_index.tsTypeOperator;\n }\\n});\\nObject.defineProperty(exports, \"TSIndexedAccessType\", {\\n enumerable:
true,\\n get: function () {\\n return _index.tsIndexedAccessType;\\n }\\n});\\nObject.defineProperty(exports,
\"TSMappedType\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsMappedType;\\n
}\\n});\\nObject.defineProperty(exports, \"TSLiteralType\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsLiteralType;\\n }\\n});\\nObject.defineProperty(exports, \"TSExpressionWithTypeArguments\", {\\n
enumerable: true,\\n get: function () {\\n return _index.tsExpressionWithTypeArguments;\\n
}\\n});\\nObject.defineProperty(exports, \"TSInterfaceDeclaration\", {\\n enumerable: true,\\n get: function () {\\n
return _index.tsInterfaceDeclaration;\\n }\\n});\\nObject.defineProperty(exports, \"TSInterfaceBody\", {\\n
enumerable: true,\\n get: function () {\\n return _index.tsInterfaceBody;\\n }\\n});\\nObject.defineProperty(exports,
\"TSTypeAliasDeclaration\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsTypeAliasDeclaration;\\n
}\\n});\\nObject.defineProperty(exports, \"TSAsExpression\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsAsExpression;\\n }\\n});\\nObject.defineProperty(exports, \"TSTypeAssertion\", {\\n enumerable: true,\\n
get: function () {\\n return _index.tsTypeAssertion;\\n }\\n});\\nObject.defineProperty(exports,
\"TSEnumDeclaration\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsEnumDeclaration;\\n
}\\n});\\nObject.defineProperty(exports, \"TSEnumMember\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsEnumMember;\\n }\\n});\\nObject.defineProperty(exports, \"TSModuleDeclaration\", {\\n enumerable:
true,\\n get: function () {\\n return _index.tsModuleDeclaration;\\n }\\n});\\nObject.defineProperty(exports,
\"TSModuleBlock\", {\\n enumerable: true,\\n get: function () {\\n return _index.tsModuleBlock;\\n
}\\n});\\nObject.defineProperty(exports, \"TSImportType\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsImportType;\\n }\\n});\\nObject.defineProperty(exports, \"TSImportEqualsDeclaration\", {\\n enumerable:
true,\\n get: function () {\\n return _index.tsImportEqualsDeclaration;\\n }\\n});\\nObject.defineProperty(exports,
\"TSExternalModuleReference\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsExternalModuleReference;\\n }\\n});\\nObject.defineProperty(exports, \"TSNonNullExpression\", {\\n
enumerable: true,\\n get: function () {\\n return _index.tsNonNullExpression;\\n
}\\n});\\nObject.defineProperty(exports, \"TSExportAssignment\", {\\n enumerable: true,\\n get: function () {\\n
return _index.tsExportAssignment;\\n }\\n});\\nObject.defineProperty(exports, \"TSNamespaceExportDeclaration\",
{\\n enumerable: true,\\n get: function () {\\n return _index.tsNamespaceExportDeclaration;\\n
}\\n});\\nObject.defineProperty(exports, \"TSTypeAnnotation\", {\\n enumerable: true,\\n get: function () {\\n return
_index.tsTypeAnnotation;\\n }\\n});\\nObject.defineProperty(exports, \"TSTypeParameterInstantiation\", {\\n
enumerable: true,\\n get: function () {\\n return _index.tsTypeParameterInstantiation;\\n
}\\n});\\nObject.defineProperty(exports, \"TSTypeParameterDeclaration\", {\\n enumerable: true,\\n get: function ()
{\\n return _index.tsTypeParameterDeclaration;\\n }\\n});\\nObject.defineProperty(exports, \"TSTypeParameter\",
{\\n enumerable: true,\\n get: function () {\\n return _index.tsTypeParameter;\\n
}\\n});\\nObject.defineProperty(exports, \"NumberLiteral\", {\\n enumerable: true,\\n get: function () {\\n return
_index.numberLiteral;\\n }\\n});\\nObject.defineProperty(exports, \"RegexLiteral\", {\\n enumerable: true,\\n get:
function () {\\n return _index.regexLiteral;\\n }\\n});\\nObject.defineProperty(exports, \"RestProperty\", {\\n
enumerable: true,\\n get: function () {\\n return _index.restProperty;\\n }\\n});\\nObject.defineProperty(exports,
\"SpreadProperty\", {\\n enumerable: true,\\n get: function () {\\n return _index.spreadProperty;\\n }\\n});\\n\\nvar
_index = require(\"./index\");\\n\\n\"use strict\";\\n\\nObject.defineProperty(exports, \"__esModule\", {\\n value:
true\\n});\\nexports.default = clone;\\n\\nvar _cloneNode = require(\"./cloneNode\");\\n\\nfunction clone(node) {\\n
return (0, _cloneNode.default)(node, false);\\n}\\n\\n\"use strict\";\\n\\nObject.defineProperty(exports, \"__esModule\",
{\\n value: true\\n});\\nexports.default = cloneDeep;\\n\\nvar _cloneNode = require(\"./cloneNode\");\\n\\nfunction
cloneDeep(node) {\\n return (0, _cloneNode.default)(node);\\n}\\n\\n\"use strict\";\\n\\nObject.defineProperty(exports,
\"__esModule\", {\\n value: true\\n});\\nexports.default = cloneDeepWithoutLoc;\\n\\nvar _cloneNode =
require(\"./cloneNode\");\\n\\nfunction cloneDeepWithoutLoc(node) {\\n return (0, _cloneNode.default)(node, true,
true);\\n}\\n\\n\"use strict\";\\n\\nObject.defineProperty(exports, \"__esModule\", {\\n value: true\\n});\\nexports.default =
cloneWithoutLoc;\\n\\nvar _cloneNode = require(\"./cloneNode\");\\n\\nfunction cloneWithoutLoc(node) {\\n return (0,
_cloneNode.default)(node, false, true);\\n}\\n\\n\"use strict\";\\n\\nObject.defineProperty(exports, \"__esModule\", {\\n

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value: true\n});\nexports.default = addComment;\n\nvar _addComments = require(\"./addComments\");\n\nfunction
addComment(node, type, content, line) {\n  return (0, _addComments.default)(node, type, [{\n    type: line ?
  \"CommentLine\" : \"CommentBlock\", \n    value: content\n  }]);\n}, \"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.default =
removeComments;\n\nvar _constants = require(\"./constants\");\n\nfunction removeComments(node) {\n
  _constants.COMMENT_KEYS.forEach(key => {\n    node[key] = null;\n  });\n  return node;\n}, \"use
strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.TSBASETYPE_TYPES =
exports.TSTYPE_TYPES = exports.TSTYPEELEMENT_TYPES = exports.PRIVATE_TYPES =
exports.JSX_TYPES = exports.ENUMMEMBER_TYPES = exports.ENUMBODY_TYPES =
exports.FLOWPREDICATE_TYPES = exports.FLOWDECLARATION_TYPES =
exports.FLOWBASEANNOTATION_TYPES = exports.FLOWTYPE_TYPES = exports.FLOW_TYPES =
exports.MODULESPECIFIER_TYPES = exports.EXPORTDECLARATION_TYPES =
exports.MODULEDECLARATION_TYPES = exports.CLASS_TYPES = exports.PATTERN_TYPES =
exports.UNARYLIKE_TYPES = exports.PROPERTY_TYPES = exports.OBJECTMEMBER_TYPES =
exports.METHOD_TYPES = exports.USERWHITESPACABLE_TYPES = exports.IMMUTABLE_TYPES =
exports.LITERAL_TYPES = exports.TSENTITYNAME_TYPES = exports.LVAL_TYPES =
exports.PATTERNLIKE_TYPES = exports.DECLARATION_TYPES = exports.PUREISH_TYPES =
exports.FUNCTIONPARENT_TYPES = exports.FUNCTION_TYPES = exports.FORXSTATEMENT_TYPES =
exports.FOR_TYPES = exports.EXPRESSIONWRAPPER_TYPES = exports.WHILE_TYPES =
exports.LOOP_TYPES = exports.CONDITIONAL_TYPES = exports.COMPLETIONSTATEMENT_TYPES =
exports.TERMINATORLESS_TYPES = exports.STATEMENT_TYPES = exports.BLOCK_TYPES =
exports.BLOCKPARENT_TYPES = exports.SCOPABLE_TYPES = exports.BINARY_TYPES =
exports.EXPRESSION_TYPES = void 0;\n\nvar _definitions = require(\"../definitions\");\n\nconst
EXPRESSION_TYPES = _definitions.FLIPPED_ALIAS_KEYS[\"Expression\"];\n\nexports.EXPRESSION_TYPES
= EXPRESSION_TYPES;\n\nconst BINARY_TYPES =
_definitions.FLIPPED_ALIAS_KEYS[\"Binary\"];\n\nexports.BINARY_TYPES = BINARY_TYPES;\n\nconst
SCOPABLE_TYPES = _definitions.FLIPPED_ALIAS_KEYS[\"Scopable\"];\n\nexports.SCOPABLE_TYPES =
SCOPABLE_TYPES;\n\nconst BLOCKPARENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS[\"BlockParent\"];\n\nexports.BLOCKPARENT_TYPES =
BLOCKPARENT_TYPES;\n\nconst BLOCK_TYPES =
_definitions.FLIPPED_ALIAS_KEYS[\"Block\"];\n\nexports.BLOCK_TYPES = BLOCK_TYPES;\n\nconst
STATEMENT_TYPES = _definitions.FLIPPED_ALIAS_KEYS[\"Statement\"];\n\nexports.STATEMENT_TYPES =
STATEMENT_TYPES;\n\nconst TERMINATORLESS_TYPES =
_definitions.FLIPPED_ALIAS_KEYS[\"Terminatorless\"];\n\nexports.TERMINATORLESS_TYPES =
TERMINATORLESS_TYPES;\n\nconst COMPLETIONSTATEMENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS[\"CompletionStatement\"];\n\nexports.COMPLETIONSTATEMENT_TYPES
= COMPLETIONSTATEMENT_TYPES;\n\nconst CONDITIONAL_TYPES =
_definitions.FLIPPED_ALIAS_KEYS[\"Conditional\"];\n\nexports.CONDITIONAL_TYPES =
CONDITIONAL_TYPES;\n\nconst LOOP_TYPES =
_definitions.FLIPPED_ALIAS_KEYS[\"Loop\"];\n\nexports.LOOP_TYPES = LOOP_TYPES;\n\nconst
WHILE_TYPES = _definitions.FLIPPED_ALIAS_KEYS[\"While\"];\n\nexports.WHILE_TYPES =
WHILE_TYPES;\n\nconst EXPRESSIONWRAPPER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS[\"ExpressionWrapper\"];\n\nexports.EXPRESSIONWRAPPER_TYPES =
EXPRESSIONWRAPPER_TYPES;\n\nconst FOR_TYPES =
_definitions.FLIPPED_ALIAS_KEYS[\"For\"];\n\nexports.FOR_TYPES = FOR_TYPES;\n\nconst
FORXSTATEMENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS[\"ForXStatement\"];\n\nexports.FORXSTATEMENT_TYPES =
FORXSTATEMENT_TYPES;\n\nconst FUNCTION_TYPES =

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_definitions.FLIPPED_ALIAS_KEYS["Function"]; \nexports.FUNCTION_TYPES =
FUNCTION_TYPES; \nconst FUNCTIONPARENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FunctionParent"]; \nexports.FUNCTIONPARENT_TYPES =
FUNCTIONPARENT_TYPES; \nconst PUREISH_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Pureish"]; \nexports.PUREISH_TYPES = PUREISH_TYPES; \nconst
DECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Declaration"]; \nexports.DECLARATION_TYPES =
DECLARATION_TYPES; \nconst PATTERNLIKE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["PatternLike"]; \nexports.PATTERNLIKE_TYPES =
PATTERNLIKE_TYPES; \nconst LVAL_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["LVal"]; \nexports.LVAL_TYPES = LVAL_TYPES; \nconst
TSENTITYNAME_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSEntityName"]; \nexports.TSENTITYNAME_TYPES =
TSENTITYNAME_TYPES; \nconst LITERAL_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Literal"]; \nexports.LITERAL_TYPES = LITERAL_TYPES; \nconst
IMMUTABLE_TYPES = _definitions.FLIPPED_ALIAS_KEYS["Immutable"]; \nexports.IMMUTABLE_TYPES
= IMMUTABLE_TYPES; \nconst USERWHITESPACABLE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["UserWhitespacable"]; \nexports.USERWHITESPACABLE_TYPES =
USERWHITESPACABLE_TYPES; \nconst METHOD_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Method"]; \nexports.METHOD_TYPES = METHOD_TYPES; \nconst
OBJECTMEMBER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ObjectMember"]; \nexports.OBJECTMEMBER_TYPES =
OBJECTMEMBER_TYPES; \nconst PROPERTY_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Property"]; \nexports.PROPERTY_TYPES =
PROPERTY_TYPES; \nconst UNARYLIKE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["UnaryLike"]; \nexports.UNARYLIKE_TYPES =
UNARYLIKE_TYPES; \nconst PATTERN_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Pattern"]; \nexports.PATTERN_TYPES = PATTERN_TYPES; \nconst
CLASS_TYPES = _definitions.FLIPPED_ALIAS_KEYS["Class"]; \nexports.CLASS_TYPES =
CLASS_TYPES; \nconst MODULEDECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ModuleDeclaration"]; \nexports.MODULEDECLARATION_TYPES =
MODULEDECLARATION_TYPES; \nconst EXPORTDECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ExportDeclaration"]; \nexports.EXPORTDECLARATION_TYPES =
EXPORTDECLARATION_TYPES; \nconst MODULESPECIFIER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["ModuleSpecifier"]; \nexports.MODULESPECIFIER_TYPES =
MODULESPECIFIER_TYPES; \nconst FLOW_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["Flow"]; \nexports.FLOW_TYPES = FLOW_TYPES; \nconst
FLOWTYPE_TYPES = _definitions.FLIPPED_ALIAS_KEYS["FlowType"]; \nexports.FLOWTYPE_TYPES =
FLOWTYPE_TYPES; \nconst FLOWBASEANNOTATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FlowBaseAnnotation"]; \nexports.FLOWBASEANNOTATION_TYPES =
FLOWBASEANNOTATION_TYPES; \nconst FLOWDECLARATION_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FlowDeclaration"]; \nexports.FLOWDECLARATION_TYPES =
FLOWDECLARATION_TYPES; \nconst FLOWPREDICATE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["FlowPredicate"]; \nexports.FLOWPREDICATE_TYPES =
FLOWPREDICATE_TYPES; \nconst ENUMBODY_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["EnumBody"]; \nexports.ENUMBODY_TYPES =
ENUMBODY_TYPES; \nconst ENUMMEMBER_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["EnumMember"]; \nexports.ENUMMEMBER_TYPES =

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ENUMMEMBER_TYPES;\nconst JSX_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["JSX"];
\nexports.JSX_TYPES = JSX_TYPES;
\nconst PRIVATE_TYPES
= _definitions.FLIPPED_ALIAS_KEYS["Private"];
\nexports.PRIVATE_TYPES = PRIVATE_TYPES;
\nconst
TSTYPEELEMENT_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSTypeElement"];
\nexports.TSTYPEELEMENT_TYPES =
TSTYPEELEMENT_TYPES;
\nconst TSTYPE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSType"];
\nexports.TSTYPE_TYPES = TSTYPE_TYPES;
\nconst
TSBASETYPE_TYPES =
_definitions.FLIPPED_ALIAS_KEYS["TSBaseType"];
\nexports.TSBASETYPE_TYPES =
TSBASETYPE_TYPES;
","use strict";
\n\nObject.defineProperty(exports, \"__esModule\", {
value:
true\n});
\n\nexports.default = ensureBlock;
\n\nvar _toBlock = require(\"./toBlock\");
\n\nfunction ensureBlock(node,
key = \"body\") {
return node[key] = (0, _toBlock.default)(node[key], node);
}\n\n\n\"use
strict";
\n\nObject.defineProperty(exports, \"__esModule\", {
value: true\n});
\n\nexports.default =
toBindingIdentifierName;
\n\nvar _toIdentifier = require(\"./toIdentifier\");
\n\nfunction
toBindingIdentifierName(name) {
name = (0, _toIdentifier.default)(name);
if (name === \"eval\" || name ===
\"arguments\") name = \"_\" + name;
return name;
}\n\n\n\"use strict";
\n\nObject.defineProperty(exports,
\"__esModule\", {
value: true\n});
\n\nexports.default = toComputedKey;
\n\nvar _generated =
require(\"../validators/generated\");
\n\nvar _generated2 = require(\"../builders/generated\");
\n\nfunction
toComputedKey(node, key = node.key || node.property) {
if (!node.computed && (0,
_generated.isIdentifier)(key)) key = (0, _generated2.stringLiteral)(key.name);
return key;
}\n\n\n\"use
strict";
\n\nObject.defineProperty(exports, \"__esModule\", {
value: true\n});
\n\nexports.default = void 0;
\n\nvar
_generated = require(\"../validators/generated\");
\n\nvar _default = toExpression;
\n\nexports.default =
_default;
\n\nfunction toExpression(node) {
if ((0, _generated.isExpressionStatement)(node)) {\n node =
node.expression;
}\n\n if ((0, _generated.isExpression)(node)) {\n return node;
}\n\n if ((0,
_generated.isClass)(node)) {\n node.type = \"ClassExpression\";
}\n } else if ((0, _generated.isFunction)(node)) {\n
node.type = \"FunctionExpression\";
}\n\n if (!(0, _generated.isExpression)(node)) {\n throw new
Error(`cannot turn ${node.type} to an expression`);
}\n\n return node;
}\n\n\n\"use
strict";
\n\nObject.defineProperty(exports, \"__esModule\", {
value: true\n});
\n\nexports.default =
toKeyAlias;
\n\nvar _generated = require(\"../validators/generated\");
\n\nvar _cloneNode =
require(\"../clone/cloneNode\");
\n\nvar _removePropertiesDeep =
require(\"../modifications/removePropertiesDeep\");
\n\nfunction toKeyAlias(node, key = node.key) {
let alias;
\n if (node.kind === \"method\") {\n return toKeyAlias.increment() + \"\";
}\n } else if ((0,
_generated.isIdentifier)(key)) {\n alias = key.name;
}\n } else if ((0, _generated.isStringLiteral)(key)) {\n alias =
JSON.stringify(key.value);
}\n } else {\n alias = JSON.stringify((0, _removePropertiesDeep.default)((0,
_cloneNode.default)(key)));
}\n\n if (node.computed) {\n alias = `[${alias}]`;
}\n\n if (node.static) {\n
alias = `static:${alias}`;
}\n\n return alias;
}\n\n\ntoKeyAlias.uid = 0;
\ntoKeyAlias.increment = function () {\n
if (toKeyAlias.uid >= Number.MAX_SAFE_INTEGER) {\n return toKeyAlias.uid = 0;
}\n } else {\n return
toKeyAlias.uid++;
}\n};
","use strict";
\n\nObject.defineProperty(exports, \"__esModule\", {
value:
true\n});
\n\nexports.default = toSequenceExpression;
\n\nvar _gatherSequenceExpressions =
require(\"./gatherSequenceExpressions\");
\n\nfunction toSequenceExpression(nodes, scope) {
if (!(nodes != null
&& nodes.length)) return;
const declars = [];
const result = (0, _gatherSequenceExpressions.default)(nodes,
scope, declars);
if (!result) return;
\n for (const declar of declars) {\n scope.push(declar);
}\n\n return
result;
}\n\n\n\"use strict";
\n\nObject.defineProperty(exports, \"__esModule\", {
value: true\n});
\n\nexports.default =
gatherSequenceExpressions;
\n\nvar _getBindingIdentifiers = require(\"../retrievers/getBindingIdentifiers\");
\n\nvar
_generated = require(\"../validators/generated\");
\n\nvar _generated2 = require(\"../builders/generated\");
\n\nvar
_cloneNode = require(\"../clone/cloneNode\");
\n\nfunction gatherSequenceExpressions(nodes, scope, declars) {\n
const exprs = [];
let ensureLastUndefined = true;
\n for (const node of nodes) {\n if (!(0,
_generated.isEmptyStatement)(node)) {\n ensureLastUndefined = false;
}\n\n if ((0,

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_generated.isExpression(node)) {\n  exprs.push(node);\n } else if ((0,
_generated.isExpressionStatement)(node)) {\n  exprs.push(node.expression);\n } else if ((0,
_generated.isVariableDeclaration)(node)) {\n  if (node.kind !== "var") return;\n\n  for (const declar of
node.declarations) {\n    const bindings = (0, _getBindingIdentifiers.default)(declar);\n\n    for (const key of
Object.keys(bindings)) {\n      declars.push({\n        kind: node.kind,\n        id: (0,
_cloneNode.default)(bindings[key])\n      });\n    }\n\n    if (declar.init) {\n      exprs.push((0,
_generated2.assignmentExpression)("=", declar.id, declar.init));\n    }\n  }\n\n  ensureLastUndefined =
true;\n } else if ((0, _generated.isIfStatement)(node)) {\n  const consequent = node.consequent ?
gatherSequenceExpressions([node.consequent], scope, declars) : scope.buildUndefinedNode();\n  const alternate
= node.alternate ? gatherSequenceExpressions([node.alternate], scope, declars) : scope.buildUndefinedNode();\n  if (!consequent || !alternate) return;\n  exprs.push((0, _generated2.conditionalExpression)(node.test, consequent,
alternate));\n } else if ((0, _generated.isBlockStatement)(node)) {\n  const body =
gatherSequenceExpressions(node.body, scope, declars);\n  if (!body) return;\n  exprs.push(body);\n } else if
((0, _generated.isEmptyStatement)(node)) {\n  if (nodes.indexOf(node) === 0) {\n    ensureLastUndefined =
true;\n  }\n } else {\n  return;\n }\n }\n\n if (ensureLastUndefined) {\n
exprs.push(scope.buildUndefinedNode());\n }\n\n if (exprs.length === 1) {\n  return exprs[0];\n } else {\n
return (0, _generated2.sequenceExpression)(exprs);\n }\n }", "\"use strict\"";\n\nObject.defineProperty(exports,
"__esModule", {\n  value: true\n});\nexports.default = void 0;\n\nvar _generated =
require("../validators/generated");\n\nvar _generated2 = require("../builders/generated");\n\nvar _default =
toStatement;\nexports.default = _default;\n\nfunction toStatement(node, ignore) {\n  if ((0,
_generated.isStatement)(node)) {\n    return node;\n }\n\n  let mustHaveId = false;\n  let newType;\n\n  if ((0,
_generated.isClass)(node)) {\n    mustHaveId = true;\n    newType = "ClassDeclaration";\n  } else if ((0,
_generated.isFunction)(node)) {\n    mustHaveId = true;\n    newType = "FunctionDeclaration";\n  } else if ((0,
_generated.isAssignmentExpression)(node)) {\n    return (0, _generated2.expressionStatement)(node);\n }\n\n  if
(mustHaveId && !node.id) {\n    newType = false;\n  }\n\n  if (!newType) {\n    if (ignore) {\n      return false;\n    }
else {\n      throw new Error(`cannot turn ${node.type} to a statement`);\n    }\n  }\n\n  node.type = newType;\n
return node;\n }", "\"use strict\"";\n\nObject.defineProperty(exports, "__esModule", {\n  value:
true\n});\nexports.default = void 0;\n\nvar _isValidIdentifier = require("../validators/isValidIdentifier");\n\nvar
_generated = require("../builders/generated");\n\nvar _default = valueToNode;\nexports.default = _default;\n\nconst
objectToString = Function.call.bind(Object.prototype.toString);\n\nfunction isRegExp(value) {\n  return
objectToString(value) === "[object RegExp]";\n }\n\nfunction isPlainObject(value) {\n  if (typeof value !==
"object" || value === null || Object.prototype.toString.call(value) !== "[object Object]") {\n    return false;\n
}\n\n  const proto = Object.getPrototypeOf(value);\n  return proto === null || Object.getPrototypeOf(proto) ===
null;\n }\n\nfunction valueToNode(value) {\n  if (value === undefined) {\n    return (0,
_generated.identifier)("undefined");\n }\n\n  if (value === true || value === false) {\n    return (0,
_generated.booleanLiteral)(value);\n }\n\n  if (value === null) {\n    return (0, _generated.nullLiteral)();\n }\n\n
if (typeof value === "string") {\n    return (0, _generated.stringLiteral)(value);\n }\n\n  if (typeof value ===
"number") {\n    let result;\n\n    if (Number.isFinite(value)) {\n      result = (0,
_generated.numericLiteral)(Math.abs(value));\n    } else {\n      let numerator;\n\n      if (Number.isNaN(value)) {\n
numerator = (0, _generated.numericLiteral)(0);\n    } else {\n      numerator = (0,
_generated.numericLiteral)(1);\n    }\n\n    result = (0, _generated.binaryExpression)("^", numerator, (0,
_generated.numericLiteral)(0));\n }\n\n  if (value < 0 || Object.is(value, -0)) {\n    result = (0,
_generated.unaryExpression)("-", result);\n }\n\n  return result;\n }\n\n  if (isRegExp(value)) {\n    const pattern
= value.source;\n    const flags = value.toString().match(/\\([a-z]+)$)/[1];\n    return (0,
_generated.regExpLiteral)(pattern, flags);\n }\n\n  if (Array.isArray(value)) {\n    return (0,
_generated.arrayExpression)(value.map(valueToNode));\n }\n\n  if (isPlainObject(value)) {\n    const props =
[];\n\n    for (const key of Object.keys(value)) {\n      let nodeKey;\n\n      if ((0, _isValidIdentifier.default)(key)) {\n
nodeKey = (0, _generated.identifier)(key);\n    } else {\n      nodeKey = (0, _generated.stringLiteral)(key);\n

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}\n\n  props.push((0, _generated.objectProperty)(nodeKey, valueToNode(value[key]));\n  }\n\n  return (0,
_generated.objectExpression)(props);\n  }\n\n  throw new Error("\n\n  don't know how to turn this value into a
node\n\n");\n  }", "\n\n  use strict\n\n";\n\n  Object.defineProperty(exports, "\n\n  __esModule\n\n", {\n  value: true\n\n});\n\n  exports.default
= appendToMemberExpression;\n\n  nvar _generated = require("\n\n  ../builders/generated\n\n");\n\n  nfunction
appendToMemberExpression(member, append, computed = false) {\n  member.object = (0,
_generated.memberExpression)(member.object, member.property, member.computed);\n  member.property =
append;\n  member.computed = !computed;\n  return member;\n  }", "\n\n  use
strict\n\n";\n\n  Object.defineProperty(exports, "\n\n  __esModule\n\n", {\n  value: true\n\n});\n\n  exports.default = inherits;\n\n  nvar
_constants = require("\n\n  ../constants\n\n");\n\n  nvar _inheritsComments =
require("\n\n  ../comments/inheritsComments\n\n");\n\n  nfunction inherits(child, parent) {\n  if (!child || !parent) return
child;\n\n  for (const key of _constants.INHERIT_KEYS.optional) {\n  if (child[key] == null) {\n  child[key] =
parent[key];\n  }\n  }\n\n  for (const key of Object.keys(parent)) {\n  if (key[0] === "\n\n  _\n\n" && key !==
"\n\n  __clone\n\n") child[key] = parent[key];\n  }\n\n  for (const key of _constants.INHERIT_KEYS.force) {\n  child[key]
= parent[key];\n  }\n\n  (0, _inheritsComments.default)(child, parent);\n  return child;\n  }", "\n\n  use
strict\n\n";\n\n  Object.defineProperty(exports, "\n\n  __esModule\n\n", {\n  value: true\n\n});\n\n  exports.default =
prependToMemberExpression;\n\n  nvar _generated = require("\n\n  ../builders/generated\n\n");\n\n  nfunction
prependToMemberExpression(member, prepend) {\n  member.object = (0, _generated.memberExpression)(prepend,
member.object);\n  return member;\n  }", "\n\n  use strict\n\n";\n\n  Object.defineProperty(exports, "\n\n  __esModule\n\n", {\n
value: true\n\n});\n\n  exports.default = void 0;\n\n  nvar _getBindingIdentifiers =
require("\n\n  ./getBindingIdentifiers\n\n");\n\n  nvar _default = getOuterBindingIdentifiers;\n\n  exports.default =
_default;\n\n  nfunction getOuterBindingIdentifiers(node, duplicates) {\n  return (0,
_getBindingIdentifiers.default)(node, duplicates, true);\n  }", "\n\n  use strict\n\n";\n\n  Object.defineProperty(exports,
"\n\n  __esModule\n\n", {\n  value: true\n\n});\n\n  exports.default = traverse;\n\n  nvar _definitions =
require("\n\n  ../definitions\n\n");\n\n  nfunction traverse(node, handlers, state) {\n  if (typeof handlers === "\n\n  function\n\n") {\n
handlers = {\n  enter: handlers\n  };\n  }\n\n  const {\n  enter,\n  exit\n  } = handlers;\n\n  traverseSimpleImpl(node, enter, exit, state, []);\n\n  nfunction traverseSimpleImpl(node, enter, exit, state, ancestors)
{\n  const keys = _definitions.VISITOR_KEYS[node.type];\n  if (!keys) return;\n  if (enter) enter(node, ancestors,
state);\n\n  for (const key of keys) {\n  const subNode = node[key];\n\n  if (Array.isArray(subNode)) {\n  for
(let i = 0; i < subNode.length; i++) {\n  const child = subNode[i];\n  if (!child) continue;\n\n  ancestors.push({\n  node,\n  key,\n  index: i\n  });\n  traverseSimpleImpl(child, enter, exit,
state, ancestors);\n  ancestors.pop();\n  }\n  }\n  } else if (subNode) {\n  ancestors.push({\n  node,\n  key\n  });\n  traverseSimpleImpl(subNode, enter, exit, state, ancestors);\n  ancestors.pop();\n  }\n  }\n\n  if
(exit) exit(node, ancestors, state);\n  }", "\n\n  use strict\n\n";\n\n  Object.defineProperty(exports, "\n\n  __esModule\n\n", {\n
value: true\n\n});\n\n  exports.default = isBinding;\n\n  nvar _getBindingIdentifiers =
require("\n\n  ./retrievers/getBindingIdentifiers\n\n");\n\n  nfunction isBinding(node, parent, grandparent) {\n  if (grandparent
&& node.type === "\n\n  Identifier\n\n" && parent.type === "\n\n  ObjectProperty\n\n" && grandparent.type ===
"\n\n  ObjectExpression\n\n") {\n  return false;\n  }\n\n  const keys = _getBindingIdentifiers.default.keys[parent.type];\n\n  if (keys) {\n  for (let i = 0; i < keys.length; i++) {\n  const key = keys[i];\n  const val = parent[key];\n\n  if
(Array.isArray(val)) {\n  if (val.indexOf(node) >= 0) return true;\n  } else {\n  if (val === node) return
true;\n  }\n  }\n  }\n\n  return false;\n  }", "\n\n  use strict\n\n";\n\n  Object.defineProperty(exports, "\n\n  __esModule\n\n", {\n
value: true\n\n});\n\n  exports.default = isBlockScoped;\n\n  nvar _generated = require("\n\n  ./generated\n\n");\n\n  nvar _isLet =
require("\n\n  ./isLet\n\n");\n\n  nfunction isBlockScoped(node) {\n  return (0, _generated.isFunctionDeclaration)(node) || (0,
_generated.isClassDeclaration)(node) || (0, _isLet.default)(node);\n  }", "\n\n  use
strict\n\n";\n\n  Object.defineProperty(exports, "\n\n  __esModule\n\n", {\n  value: true\n\n});\n\n  exports.default =
isImmutable;\n\n  nvar _isType = require("\n\n  ./isType\n\n");\n\n  nvar _generated = require("\n\n  ./generated\n\n");\n\n  nfunction
isImmutable(node) {\n  if ((0, _isType.default)(node.type, "\n\n  Immutable\n\n")) return true;\n\n  if ((0,
_generated.isIdentifier)(node)) {\n  if (node.name === "\n\n  undefined\n\n") {\n  return true;\n  } else {\n  return
false;\n  }\n  }\n\n  return false;\n  }", "\n\n  use strict\n\n";\n\n  Object.defineProperty(exports, "\n\n  __esModule\n\n", {\n
value:

```

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true\n});\nexports.default = isNodesEquivalent;\n\nvar _definitions = require(\"../definitions\");\n\nfunction isNodesEquivalent(a, b) {\n  if (typeof a !== \"object\" || typeof b !== \"object\" || a == null || b == null) {\n    return a === b;\n  }\n  if (a.type !== b.type) {\n    return false;\n  }\n  const fields = Object.keys(_definitions.NODE_FIELDS[a.type] || a.type);\n  const visitorKeys = _definitions.VISITOR_KEYS[a.type];\n  for (const field of fields) {\n    if (typeof a[field] !== typeof b[field]) {\n      return false;\n    }\n    if (a[field] == null && b[field] == null) {\n      continue;\n    } else if (a[field] == null || b[field] == null) {\n      return false;\n    }\n    if (Array.isArray(a[field])) {\n      if (!Array.isArray(b[field])) {\n        return false;\n      }\n      if (a[field].length !== b[field].length) {\n        return false;\n      }\n      for (let i = 0; i < a[field].length; i++) {\n        if (!isNodesEquivalent(a[field][i], b[field][i])) {\n          return false;\n        }\n      }\n      continue;\n    }\n    if (typeof a[field] === \"object\" && !(visitorKeys != null && visitorKeys.includes(field))) {\n      for (const key of Object.keys(a[field])) {\n        if (a[field][key] !== b[field][key]) {\n          return false;\n        }\n      }\n      continue;\n    }\n    if (!isNodesEquivalent(a[field], b[field])) {\n      return false;\n    }\n  }\n  return true;\n}, \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.default = isReferenced;\n\nfunction isReferenced(node, parent, grandparent) {\n  switch (parent.type) {\n    case \"MemberExpression\":\n    case \"JSXMemberExpression\":\n    case \"OptionalMemberExpression\":\n      if (parent.property === node) {\n        return !!parent.computed;\n      }\n      return parent.object === node;\n    case \"VariableDeclarator\":\n      return parent.init === node;\n    case \"ArrowFunctionExpression\":\n      return parent.body === node;\n    case \"PrivateName\":\n      return false;\n    case \"ClassMethod\":\n    case \"ClassPrivateMethod\":\n    case \"ObjectMethod\":\n      if (parent.params.includes(node)) {\n        return false;\n      }\n    case \"ObjectProperty\":\n    case \"ClassProperty\":\n    case \"ClassPrivateProperty\":\n      if (parent.key === node) {\n        return !!parent.computed;\n      }\n      if (parent.value === node) {\n        return !grandparent || grandparent.type !== \"ObjectPattern\";\n      }\n      return true;\n    case \"ClassDeclaration\":\n    case \"ClassExpression\":\n      return parent.superClass === node;\n    case \"AssignmentExpression\":\n      return parent.right === node;\n    case \"AssignmentPattern\":\n      return parent.right === node;\n    case \"LabeledStatement\":\n      return false;\n    case \"CatchClause\":\n      return false;\n    case \"RestElement\":\n      return false;\n    case \"BreakStatement\":\n    case \"ContinueStatement\":\n      return false;\n    case \"FunctionDeclaration\":\n    case \"FunctionExpression\":\n      return false;\n    case \"ExportNamespaceSpecifier\":\n    case \"ExportDefaultSpecifier\":\n      return false;\n    case \"ExportSpecifier\":\n      if (grandparent != null && grandparent.source) {\n        return false;\n      }\n      return parent.local === node;\n    case \"ImportDefaultSpecifier\":\n    case \"ImportNamespaceSpecifier\":\n    case \"ImportSpecifier\":\n      return false;\n    case \"JSXAttribute\":\n      return false;\n    case \"ObjectPattern\":\n    case \"ArrayPattern\":\n      return false;\n    case \"MetaProperty\":\n      return false;\n    case \"ObjectTypeProperty\":\n      return parent.key !== node;\n    case \"TSEnumMember\":\n      return parent.id !== node;\n    case \"TSPropertySignature\":\n      if (parent.key === node) {\n        return !!parent.computed;\n      }\n      return true;\n  }\n  return true;\n}, \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.default = isScope;\n\nvar _generated = require(\"../generated\");\n\nfunction isScope(node, parent) {\n  if (((0, _generated.isBlockStatement)(node)) && ((0, _generated.isFunction)(parent) || (0, _generated.isCatchClause)(parent))) {\n    return false;\n  }\n  if (((0, _generated.isPattern)(node)) && ((0, _generated.isFunction)(parent) || (0, _generated.isCatchClause)(parent))) {\n    return true;\n  }\n  return (0, _generated.isScopable)(node);\n}, \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.default = isSpecifierDefault;\n\nvar _generated = require(\"../generated\");\n\nfunction isSpecifierDefault(specifier) {\n  return (0, _generated.isImportDefaultSpecifier)(specifier) || (0, _generated.isIdentifier)(specifier.imported || specifier.exported, {\n    name: \"default\"\n });\n}, \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.default = isValidES3Identifier;\n\nvar _isValidIdentifier = require(\"../isValidIdentifier\");\n\nconst RESERVED_WORDS_ES3_ONLY = new Set([\"abstract\", \"boolean\", \"byte\", \"char\", \"double\", \"enum\", \"final\", \"float\", \"goto\", \"implements\", \"int\", \"interface\", \"long\", \"native\", \"package\", \"private\",

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    vlq');\nvar quickSort = require('./quick-sort').quickSort;\n\nfunction SourceMapConsumer(aSourceMap) {\n  var\n  sourceMap = aSourceMap;\n  if (typeof aSourceMap === 'string') {\n    sourceMap =\n    JSON.parse(aSourceMap.replace(/^(\\|\\|\\|\\|}'/, ''));\n  }\n  return sourceMap.sections != null\n    ? new\n    IndexedSourceMapConsumer(sourceMap)\n    : new\n    BasicSourceMapConsumer(sourceMap);\n}\n\nSourceMapConsumer.fromSourceMap = function(aSourceMap) {\n  return BasicSourceMapConsumer.fromSourceMap(aSourceMap);\n}\n\n/**\n * The version of the source mapping\n * spec that we are consuming.\n */\nSourceMapConsumer.prototype._version = 3;\n\n`__generatedMappings` and\n`__originalMappings` are arrays that hold the\n// parsed mapping coordinates from the source map's `"mappings"\n// attribute. They\n// are lazily instantiated, accessed via the `__generatedMappings` and\n// `__originalMappings` getters\n// respectively, and we only parse the mappings\n// and create these arrays once queried for a source location. We\n// jump through\n// these hoops because there can be many thousands of mappings, and parsing\n// them is expensive,\n// so we only want to do it if we must.\n//\n// Each object in the arrays is of the form:\n//\n//   {\n//     generatedLine:\n//       The line number in the generated code,\n//     generatedColumn:\n//       The column number in the generated code,\n//     source:\n//       The path to the original source file that generated this\n//       chunk of code,\n//     originalLine:\n//       The line number in the original source that\n//       corresponds to this chunk of generated code,\n//     originalColumn:\n//       The column number in the original source that\n//       corresponds to this chunk of\n//       generated code,\n//     name:\n//       The name of the original symbol which generated this chunk of\n//       code.\n//   }\n//\n// All properties except for `generatedLine` and `generatedColumn` can be\n// `null`.\n//\n// `__generatedMappings` is ordered by the generated positions.\n//\n// `__originalMappings` is ordered by the original\n// positions.\n\nSourceMapConsumer.prototype.__generatedMappings =\nnull;\nObject.defineProperty(SourceMapConsumer.prototype, '_generatedMappings', {\n  get: function () {\n    if\n    (!this.__generatedMappings) {\n      this._parseMappings(this._mappings, this.sourceRoot);\n    }\n    return\n    this.__generatedMappings;\n  }\n});\n\nSourceMapConsumer.prototype.__originalMappings =\nnull;\nObject.defineProperty(SourceMapConsumer.prototype, '_originalMappings', {\n  get: function () {\n    if\n    (!this.__originalMappings) {\n      this._parseMappings(this._mappings, this.sourceRoot);\n    }\n    return\n    this.__originalMappings;\n  }\n});\n\nSourceMapConsumer.prototype._charIsMappingSeparator =\nfunction\nSourceMapConsumer_charIsMappingSeparator(aStr, index) {\n  var c = aStr.charAt(index);\n  return c === '\\';\n} ||\nc === '\\,|';\n};\n\n/**\n * Parse the mappings in a string in to a data structure which we can easily\n * query (the\n * ordered arrays in the `this.__generatedMappings` and\n * `this.__originalMappings` properties).\n */\nSourceMapConsumer.prototype._parseMappings =\nfunction SourceMapConsumer_parseMappings(aStr,\n  aSourceRoot) {\n  throw new Error("Subclasses must implement _parseMappings");\n};\n\nSourceMapConsumer.GENERATED_ORDER = 1;\nSourceMapConsumer.ORIGINAL_ORDER =\n2;\n\nSourceMapConsumer.GREATEST_LOWER_BOUND =\n1;\nSourceMapConsumer.LEAST_UPPER_BOUND = 2;\n\n/**\n * Iterate over each mapping between an original\n * source/line/column and a\n * generated line/column in this source map.\n * @param Function aCallback\n * The function that is called with each mapping.\n * @param Object aContext\n * Optional. If specified, this\n * object will be the value of `this` every\n * time that `aCallback` is called.\n * @param aOrder\n * Either\n * `SourceMapConsumer.GENERATED_ORDER` or\n * `SourceMapConsumer.ORIGINAL_ORDER`. Specifies\n * whether you want to\n * iterate over the mappings sorted by the generated file's line/column\n * order or the\n * original's source/line/column order, respectively. Defaults to\n * `SourceMapConsumer.GENERATED_ORDER`.\n */\nSourceMapConsumer.prototype.eachMapping =\nfunction\nSourceMapConsumer_eachMapping(aCallback, aContext, aOrder) {\n  var context = aContext || null;\n  var order =\n  aOrder || SourceMapConsumer.GENERATED_ORDER;\n\n  var mappings;\n  switch (order) {\n    case\n    SourceMapConsumer.GENERATED_ORDER:\n      mappings = this._generatedMappings;\n      break;\n    case\n    SourceMapConsumer.ORIGINAL_ORDER:\n      mappings = this._originalMappings;\n      break;\n    default:\n      throw new Error("Unknown order of iteration.");\n  }\n\n  var sourceRoot = this.sourceRoot;\n  mappings.map(function (mapping) {\n    var source = mapping.source === null ? null :\n    this._sources.at(mapping.source);\n    if (source != null && sourceRoot != null) {\n      source =

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util.join(sourceRoot, source);\n  }\n  return {\n    source: source,\n    generatedLine:
mapping.generatedLine,\n    generatedColumn: mapping.generatedColumn,\n    originalLine:
mapping.originalLine,\n    originalColumn: mapping.originalColumn,\n    name: mapping.name === null ? null
: this._names.at(mapping.name)\n  };\n  }, this).forEach(aCallback, context);\n  };\n\n/**\n * Returns all
generated line and column information for the original source,\n * line, and column provided. If no column is
provided, returns all mappings\n * corresponding to a either the line we are searching for or the next\n * closest line
that has any mappings. Otherwise, returns all mappings\n * corresponding to the given line and either the column we
are searching for\n * or the next closest column that has any offsets.\n *\n * The only argument is an object with the
following properties:\n *\n * - source: The filename of the original source.\n * - line: The line number in the
original source.\n * - column: Optional. the column number in the original source.\n *\n * and an array of objects is
returned, each with the following properties:\n *\n * - line: The line number in the generated source, or null.\n * -
column: The column number in the generated source, or null.\n
*\n\nSourceMapConsumer.prototype.allGeneratedPositionsFor =\n function
SourceMapConsumer_allGeneratedPositionsFor(aArgs) {\n  var line = util.getArg(aArgs, 'line');\n\n  // When
there is no exact match, BasicSourceMapConsumer.prototype._findMapping\n  // returns the index of the closest
mapping less than the needle. By\n  // setting needle.originalColumn to 0, we thus find the last mapping for\n  //
the given line, provided such a mapping exists.\n  var needle = {\n    source: util.getArg(aArgs, 'source'),\n
originalLine: line,\n    originalColumn: util.getArg(aArgs, 'column', 0)\n  };\n\n  if (this.sourceRoot != null) {\n
needle.source = util.relative(this.sourceRoot, needle.source);\n  }\n\n  if (!this._sources.has(needle.source)) {\n
return [];\n  }\n\n  needle.source = this._sources.indexOf(needle.source);\n\n  var mappings = [];\n  var index =
this._findMapping(needle,\n\n                        this._originalMappings,\n\n                        \"originalLine\",
\n                        \"originalColumn\",
\n                        util.compareByOriginalPositions,\n\n                        binarySearch.LEAST_UPPER_BOUND);\n  if (index >= 0) {\n    var mapping =
this._originalMappings[index];\n\n    if (aArgs.column === undefined) {\n      var originalLine =
mapping.originalLine;\n\n      // Iterate until either we run out of mappings, or we run into\n      // a mapping for a
different line than the one we found. Since\n      // mappings are sorted, this is guaranteed to find all mappings for\n
      // the line we found.\n      while (mapping && mapping.originalLine === originalLine) {\n
mappings.push({\n        line: util.getArg(mapping, 'generatedLine', null),\n        column: util.getArg(mapping,
'generatedColumn', null),\n        lastColumn: util.getArg(mapping, 'lastGeneratedColumn', null)\n      });\n\n      mapping = this._originalMappings[++index];\n      }\n    } else {\n      var originalColumn =
mapping.originalColumn;\n\n      // Iterate until either we run out of mappings, or we run into\n      // a mapping
for a different line than the one we were searching for.\n      // Since mappings are sorted, this is guaranteed to find
all mappings for\n      // the line we are searching for.\n      while (mapping &&\n        mapping.originalLine
=== line &&\n        mapping.originalColumn === originalColumn) {\n        mappings.push({\n          line:
util.getArg(mapping, 'generatedLine', null),\n          column: util.getArg(mapping, 'generatedColumn', null),\n
          lastColumn: util.getArg(mapping, 'lastGeneratedColumn', null)\n        });\n\n        mapping =
this._originalMappings[++index];\n      }\n    }\n  }\n\n  return mappings;\n  };\n\nexports.SourceMapConsumer
= SourceMapConsumer;\n\n/**\n * A BasicSourceMapConsumer instance represents a parsed source map which we
can\n * query for information about the original file positions by giving it a file\n * position in the generated
source.\n *\n * The only parameter is the raw source map (either as a JSON string, or\n * already parsed to an
object). According to the spec, source maps have the\n * following attributes:\n *\n * - version: Which version of
the source map spec this map is following.\n * - sources: An array of URLs to the original source files.\n * -
names: An array of identifiers which can be referenced by individual mappings.\n * - sourceRoot: Optional. The
URL root from which all sources are relative.\n * - sourcesContent: Optional. An array of contents of the original
source files.\n * - mappings: A string of base64 VLQs which contain the actual mappings.\n * - file: Optional.
The generated file this source map is associated with.\n *\n * Here is an example source map, taken from the source
map spec[0]:\n *\n * {\n *   version : 3,\n *   file: \"out.js\",\n *   sourceRoot : \"\",\n *   sources:
[\"foo.js\", \"bar.js\"],\n *   names: [\"src\", \"maps\", \"are\", \"fun\"],\n *   mappings: \"AA,AB;;ABCDE;\"

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}

function BasicSourceMapConsumer(aSourceMap) {
  var sourceMap =
  aSourceMap;
  if (typeof aSourceMap === 'string') {
    sourceMap = JSON.parse(aSourceMap.replace(/^(\/|\\|\\\|\\\/|
  ));
  }

  var version = util.getArg(sourceMap, 'version');
  var sources = util.getArg(sourceMap, 'sources');
  // Sass 3.3 leaves out the 'names' array, so we deviate from the spec (which
  // requires the array) to play nice here.
  var names = util.getArg(sourceMap, 'names', []);
  var sourceRoot = util.getArg(sourceMap, 'sourceRoot', null);
  var sourcesContent = util.getArg(sourceMap, 'sourcesContent', null);
  var mappings = util.getArg(sourceMap, 'mappings');
  var file = util.getArg(sourceMap, 'file', null);

  // Once again, Sass deviates from the spec and
  // supplies the version as a string rather than a number, so we use loose
  // equality checking here.
  if (version !== this._version) {
    throw new Error('Unsupported version: ' + version);
  }

  sources = sources
    .map(String)
    // Some source maps produce relative source paths like ".foo.js" instead of
    // "/foo.js". Normalize these first so that future comparisons will succeed.
    // See bugzil.la/1090768.
    .map(util.normalize)
    // Always ensure that absolute sources are internally stored relative to
    // the source root, if the source root is absolute. Not doing this would
    // be particularly problematic when the source root is a prefix
    // of the source (valid, but why?). See github issue #199 and bugzil.la/1188982.
    .map(function (source) {
      return sourceRoot && util.isAbsolute(sourceRoot) && util.isAbsolute(source)
        ? util.relative(sourceRoot, source)
        : source;
    });

  // Pass `true` below to allow duplicate names and sources. While source maps
  // are intended to be compressed and deduplicated, the TypeScript compiler
  // sometimes generates source maps with duplicates in them. See Github issue
  // #72 and bugzil.la/889492.
  this._names =
  ArraySet.fromArray(names.map(String), true);
  this._sources = ArraySet.fromArray(sources, true);
  this.sourceRoot = sourceRoot;
  this.sourcesContent = sourcesContent;
  this._mappings = mappings;
  this.file = file;
}

BasicSourceMapConsumer.prototype =
  Object.create(SourceMapConsumer.prototype);
BasicSourceMapConsumer.prototype.constructor =
  SourceMapConsumer;

/**
 * Create a BasicSourceMapConsumer from a SourceMapGenerator.
 * @param SourceMapGenerator aSourceMap The source map that will be consumed.
 * @returns BasicSourceMapConsumer
 */
BasicSourceMapConsumer.fromSourceMap = function
  SourceMapConsumer_fromSourceMap(aSourceMap) {
  var smc =
  Object.create(BasicSourceMapConsumer.prototype);

  var names = smc._names =
  ArraySet.fromArray(aSourceMap._names.toArray(), true);
  var sources = smc._sources =
  ArraySet.fromArray(aSourceMap._sources.toArray(), true);
  smc.sourceRoot = aSourceMap._sourceRoot;
  smc.sourcesContent = aSourceMap._generateSourcesContent(smc._sources.toArray(),
    smc.sourceRoot);
  smc.file = aSourceMap._file;

  // Because we are modifying the entries (by
  // converting string sources and
  // names to indices into the sources and names ArraySets), we have to make
  // a copy of the entry or else bad things happen. Shared mutable state
  // strikes again! See github issue #191.
  var generatedMappings = aSourceMap._mappings.toArray().slice();
  var destGeneratedMappings =
  smc.__generatedMappings = [];
  var destOriginalMappings = smc.__originalMappings = [];

  for (var i = 0,
  length = generatedMappings.length; i < length; i++) {
    var srcMapping = generatedMappings[i];
    var destMapping = new Mapping;
    destMapping.generatedLine = srcMapping.generatedLine;
    destMapping.generatedColumn = srcMapping.generatedColumn;

    if (srcMapping.source) {
      destMapping.source = sources.indexOf(srcMapping.source);
      destMapping.originalLine =
      srcMapping.originalLine;
      destMapping.originalColumn = srcMapping.originalColumn;

      if (srcMapping.name) {
        destMapping.name = names.indexOf(srcMapping.name);
      }

      destOriginalMappings.push(destMapping);
    }

    destGeneratedMappings.push(destMapping);
  }

  quickSort(smc.__originalMappings, util.compareByOriginalPositions);

  return smc;
}

/**
 * The version of the source mapping spec that we are consuming.
 */
BasicSourceMapConsumer.prototype._version = 3;

/**
 * The list of original sources.
 */
Object.defineProperty(BasicSourceMapConsumer.prototype, 'sources', {
  get: function () {
    return this._sources.toArray().map(function (s) {
      return this.sourceRoot !== null ? util.join(this.sourceRoot, s) : s;
    });
  },
  enumerable: true,
});

/**
 * Provide the JIT with a nice shape / hidden

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```

class.*function Mapping() {
  this.generatedLine = 0;
  this.generatedColumn = 0;
  this.source = null;
  this.originalLine = null;
  this.originalColumn = null;
  this.name = null;
}

/**
 * Parse the mappings in a
 string in to a data structure which we can easily
 * query (the ordered arrays in the `this.__generatedMappings`
 and `this.__originalMappings` properties).
 */
BasicSourceMapConsumer.prototype._parseMappings =
function SourceMapConsumer_parseMappings(aStr, aSourceRoot) {
  var generatedLine = 1;
  var previousGeneratedColumn = 0;
  var previousOriginalLine = 0;
  var previousOriginalColumn = 0;
  var previousSource = 0;
  var previousName = 0;
  var length = aStr.length;
  var index = 0;
  var cachedSegments = {};
  var temp = {};
  var originalMappings = [];
  var generatedMappings = [];
  var mapping, str, segment, end, value;

  while (index < length) {
    if (aStr.charAt(index) === ';') {
      generatedLine++;
      index++;
      previousGeneratedColumn = 0;
    } else if (aStr.charAt(index) ===
';') {
      index++;
    } else {
      mapping = new Mapping();
      mapping.generatedLine =
generatedLine;

      // Because each offset is encoded relative to the previous one,
      // many segments often
      have the same encoding. We can exploit this
      // fact by caching the parsed variable length fields of each
      segment,
      // allowing us to avoid a second parse if we encounter the same
      // segment again.
      for
      (end = index; end < length; end++) {
        if (this._charIsMappingSeparator(aStr, end)) {
          break;
        }
      }
      str = aStr.slice(index, end);
      segment = cachedSegments[str];
      if (segment) {
        index += str.length;
      } else {
        segment = [];
        while (index < end) {
          base64VLQ.decode(aStr, index, temp);
          value = temp.value;
          index = temp.rest;
          segment.push(value);
        }
        if (segment.length === 2) {
          throw new Error('Found a source, but
no line and column');
        }
        if (segment.length === 3) {
          throw new Error('Found a source and
line, but no column');
        }
        cachedSegments[str] = segment;
      }
      // Generated column.
      mapping.generatedColumn = previousGeneratedColumn + segment[0];
      previousGeneratedColumn =
mapping.generatedColumn;

      if (segment.length > 1) {
        // Original source.
        mapping.source =
previousSource + segment[1];
        previousSource += segment[1];
        // Original line.
        mapping.originalLine = previousOriginalLine + segment[2];
        previousOriginalLine =
mapping.originalLine;
        // Lines are stored 0-based
        mapping.originalLine += 1;
        // Original
        column.
        mapping.originalColumn = previousOriginalColumn + segment[3];
        previousOriginalColumn
= mapping.originalColumn;
        if (segment.length > 4) {
          // Original name.
          mapping.name =
previousName + segment[4];
          previousName += segment[4];
        }
      }
      generatedMappings.push(mapping);
      if (typeof mapping.originalLine === 'number') {
        originalMappings.push(mapping);
      }
    }
  }
  quickSort(generatedMappings,
util.compareByGeneratedPositionsDeflated);
  this.__generatedMappings = generatedMappings;
  quickSort(originalMappings, util.compareByOriginalPositions);
  this.__originalMappings = originalMappings;
}

/**
 * Find the mapping that best matches the hypothetical "needle" mapping that
 * we are searching for
 in the given "haystack" of mappings.
 */
BasicSourceMapConsumer.prototype._findMapping =
function SourceMapConsumer_findMapping(aNeedle, aMappings, aLineName,
aColumnName,
aComparator, aBias) {
  // To return the position we are searching for, we must first find the
  // mapping for the
  given position and then return the opposite position it
  // points to. Because the mappings are sorted, we can use
  binary search to
  // find the best mapping.
  if (aNeedle[aLineName] <= 0) {
    throw new TypeError('Line
must be greater than or equal to 1, got '
+ aNeedle[aLineName]);
  }
  if
(aNeedle[aColumnName] < 0) {
    throw new TypeError('Column must be greater than or equal to 0, got '
+ aNeedle[aColumnName]);
  }
  return binarySearch.search(aNeedle, aMappings, aComparator,
aBias);
}

/**
 * Compute the last column for each generated mapping. The last column is
 * inclusive.
 */
BasicSourceMapConsumer.prototype.computeColumnSpans =
function SourceMapConsumer_computeColumnSpans() {
  for (var index = 0; index < this.__generatedMappings.length;
++index) {
    var mapping = this.__generatedMappings[index];
    // Mappings do not contain a field for the
last generated column. We
    // can come up with an optimistic estimate, however, by assuming that
    //
mappings are contiguous (i.e. given two consecutive mappings, the
    // first mapping ends where the second one

```



```

starts).\n    if (index + 1 < this._generatedMappings.length) {\n        var nextMapping =
this._generatedMappings[index + 1];\n        if (mapping.generatedLine === nextMapping.generatedLine) {\n
mapping.lastGeneratedColumn = nextMapping.generatedColumn - 1;\n        continue;\n    }\n    }\n    // The
last mapping for each line spans the entire line.\n    mapping.lastGeneratedColumn = Infinity;\n    }\n    };\n\n/**\n *
Returns the original source, line, and column information for the generated\n * source's line and column positions
provided. The only argument is an object\n * with the following properties:\n * - line: The line number in the
generated source.\n * - column: The column number in the generated source.\n * - bias: Either
'SourceMapConsumer.GREATEST_LOWER_BOUND' or\n * 'SourceMapConsumer.LEAST_UPPER_BOUND'.
Specifies whether to return the\n * closest element that is smaller than or greater than the one we are\n *
searching for, respectively, if the exact element cannot be found.\n * Defaults to
'SourceMapConsumer.GREATEST_LOWER_BOUND'.\n * and an object is returned with the following
properties:\n * - source: The original source file, or null.\n * - line: The line number in the original source, or
null.\n * - column: The column number in the original source, or null.\n * - name: The original identifier, or
null.\n */\n\nBasicSourceMapConsumer.prototype.originalPositionFor =\n function
SourceMapConsumer_originalPositionFor(aArgs) {\n    var needle = {\n        generatedLine: util.getArg(aArgs,
'line'),\n        generatedColumn: util.getArg(aArgs, 'column')\n    };\n    var index = this._findMapping(\n
needle,\n    this._generatedMappings,\n    \"generatedLine\", \n    \"generatedColumn\", \n
util.compareByGeneratedPositionsDeflated,\n    util.getArg(aArgs, 'bias'),
SourceMapConsumer.GREATEST_LOWER_BOUND)\n    );\n    if (index >= 0) {\n        var mapping =
this._generatedMappings[index];\n        if (mapping.generatedLine === needle.generatedLine) {\n            var source =
util.getArg(mapping, 'source', null);\n            if (source !== null) {\n                source = this._sources.at(source);\n                if
(this.sourceRoot != null) {\n                    source = util.join(this.sourceRoot, source);\n                }\n            }\n            var name =
util.getArg(mapping, 'name', null);\n            if (name !== null) {\n                name = this._names.at(name);\n            }\n            return {\n                source: source,\n                line: util.getArg(mapping, 'originalLine', null),\n                column:
util.getArg(mapping, 'originalColumn', null),\n                name: name\n            };\n        }\n    }\n    return {\n        source:
null,\n        line: null,\n        column: null,\n        name: null\n    };\n};\n\n/**\n * Return true if we have the source
content for every source in the source\n * map, false otherwise.\n */\n\nBasicSourceMapConsumer.prototype.hasContentsOfAllSources =\n function
BasicSourceMapConsumer_hasContentsOfAllSources() {\n    if (!this.sourcesContent) {\n        return false;\n    }\n    return
this.sourcesContent.length >= this._sources.size() && !this.sourcesContent.some(function (sc) { return
sc == null; });\n};\n\n/**\n * Returns the original source content. The only argument is the url of the\n * original
source file. Returns null if no original source content is\n * available.\n */\n\nBasicSourceMapConsumer.prototype.sourceContentFor =\n function
SourceMapConsumer_sourceContentFor(aSource, nullOnMissing) {\n    if (!this.sourcesContent) {\n        return
null;\n    }\n    if (this.sourceRoot != null) {\n        aSource = util.relative(this.sourceRoot, aSource);\n    }\n    if
(this._sources.has(aSource)) {\n        return this.sourcesContent[this._sources.indexOf(aSource)];\n    }\n    var
url;\n    if (this.sourceRoot != null\n        && (url = util.urlParse(this.sourceRoot))) {\n        // XXX: file:// URIs and
absolute paths lead to unexpected behavior for\n        // many users. We can help them out when they expect file://
URIs to\n        // behave like it would if they were running a local HTTP server. See\n        //
https://bugzilla.mozilla.org/show\_bug.cgi?id=885597.  

        var fileUriAbsPath = aSource.replace(/^file:\\\\/,
'');\n        if (url.scheme === 'file'\n            && this._sources.has(fileUriAbsPath)) {\n            return
this.sourcesContent[this._sources.indexOf(fileUriAbsPath)]\n        }\n        if ((!url.path || url.path === '/')\n            &&
this._sources.has('/' + aSource)) {\n            return this.sourcesContent[this._sources.indexOf('/' + aSource)];\n        }\n    }\n    // This function is used recursively from\n    //
IndexedSourceMapConsumer.prototype.sourceContentFor. In that case, we\n    // don't want to throw if we can't find
the source - we just want to\n    // return null, so we provide a flag to exit gracefully.\n    if (nullOnMissing) {\n        return null;\n    }\n    else {\n        throw new Error("'" + aSource + "' is not in the SourceMap.");\n    }\n};\n\n/**\n * Returns the generated line and column information for the original source,\n * line, and column positions provided.

```

The only argument is an object with the following properties:

- `source`: The filename of the original source.
- `line`: The line number in the original source.
- `column`: The column number in the original source.
- `bias`: Either `'SourceMapConsumer.GREATEST_LOWER_BOUND'` or `'SourceMapConsumer.LEAST_UPPER_BOUND'`. Specifies whether to return the closest element that is smaller than or greater than the one we are searching for, respectively, if the exact element cannot be found.

Defaults to `'SourceMapConsumer.GREATEST_LOWER_BOUND'` and an object is returned with the following properties:

- `line`: The line number in the generated source, or null.
- `column`: The column number in the generated source, or null.

```
function SourceMapConsumer_generatedPositionFor(aArgs) {
  var source = util.getArg(aArgs, 'source');
  if (this.sourceRoot != null) {
    source = util.relative(this.sourceRoot, source);
  }
  if (!this._sources.has(source)) {
    return {
      line: null,
      column: null,
      lastColumn: null
    };
  }
  source = this._sources.indexOf(source);

  var needle = {
    source: source,
    originalLine: util.getArg(aArgs, 'line'),
    originalColumn: util.getArg(aArgs, 'column')
  };
  var index = this._findMapping(
    needle,
    this._originalMappings,
    "originalLine",
    "originalColumn",
    util.compareByOriginalPositions,
    util.getArg(aArgs, 'bias',
      SourceMapConsumer.GREATEST_LOWER_BOUND)
  );
  if (index >= 0) {
    var mapping = this._originalMappings[index];
    if (mapping.source === needle.source) {
      return {
        line: util.getArg(mapping, 'generatedLine', null),
        column: util.getArg(mapping, 'generatedColumn', null),
        lastColumn: util.getArg(mapping, 'lastGeneratedColumn', null)
      };
    }
  }
  return {
    line: null,
    column: null,
    lastColumn: null
  };
};

exports.BasicSourceMapConsumer =
  BasicSourceMapConsumer;

An IndexedSourceMapConsumer instance represents a parsed source map which we can query for information. It differs from BasicSourceMapConsumer in that it takes "indexed" source maps (i.e. ones with a "sections" field) as input.

The only parameter is a raw source map (either as a JSON string, or already parsed to an object). According to the spec for indexed source maps, they have the following attributes:

- version: Which version of the source map spec this map is following.
- file: Optional. The generated file this source map is associated with.
- sections: A list of section definitions.

Each value under the "sections" field has two fields:

- offset: The offset into the original specified at which this section begins to apply, defined as an object with a "line" and "column" field.
- map: A source map definition. This source map could also be indexed, but doesn't have to be.

Instead of the "map" field, it's also possible to have a "url" field specifying a URL to retrieve a source map from, but that's currently unsupported.

Here's an example source map, taken from the source map spec[0], but modified to omit a section which uses the "url" field.

{
  version : 3,
  file : "app.js",
  sections : [
    {
      offset : { line:100, column:10 },
      map : {
        version : 3,
        file : "section.js",
        sources : [ "foo.js", "bar.js" ],
        names : [ "src", "maps", "are", "fun" ],
        mappings : "AAAA,E;;ABCDE;"
      }
    }
  ]
}

[0]:
https://docs.google.com/document/d/1U1RGAehQwRypUTovF1KRIpiOFze0b-
_2gc6fAH0KY0k/edit#heading=h.535es3xeprgt

function IndexedSourceMapConsumer(aSourceMap) {
  var sourceMap = aSourceMap;
  if (typeof aSourceMap === 'string') {
    sourceMap = JSON.parse(aSourceMap.replace(/^(\\|\/)'/, ""));
  }
  var version = util.getArg(sourceMap, 'version');
  var sections = util.getArg(sourceMap, 'sections');
  if (version !== this._version) {
    throw new Error("Unsupported version: " + version);
  }
  this._sources = new ArraySet();
  this._names = new ArraySet();
  var lastOffset = {
    line: -1,
    column: 0
  };
  this._sections = sections.map(function (s) {
    if (s.url) {
      // The url field will require support for asynchronicity.
      // See https://github.com/mozilla/source-map/issues/16
      throw new Error("Support for url field in sections not implemented.");
    }
    var offset = util.getArg(s, 'offset');
    var offsetLine = util.getArg(offset, 'line');
    var offsetColumn = util.getArg(offset, 'column');
    if (offsetLine < lastOffset.line ||
        (offsetLine === lastOffset.line && offsetColumn < lastOffset.column)) {
      throw new Error("Section offsets must be ordered and non-overlapping.");
    }
    lastOffset = offset;
  });
  return {
    generatedOffset: {
      // The offset fields are 0-based, but we use 1-based indices when

```

```

encoding/decoding from VLQ.\n    generatedLine: offsetLine + 1,\n    generatedColumn: offsetColumn + 1\n  },\n  consumer: new SourceMapConsumer(util.getArg(s, 'map'))\n  });\n}\n\nIndexedSourceMapConsumer.prototype =\nObject.create(SourceMapConsumer.prototype);\nIndexedSourceMapConsumer.prototype.constructor =\nSourceMapConsumer;\n\n/**\n * The version of the source mapping spec that we are consuming.\n */\nIndexedSourceMapConsumer.prototype._version = 3;\n\n/**\n * The list of original sources.\n */\nObject.defineProperty(IndexedSourceMapConsumer.prototype, 'sources', {\n  get: function () {\n    var sources =\n    [];\n    for (var i = 0; i < this._sections.length; i++) {\n      for (var j = 0; j <\n      this._sections[i].consumer.sources.length; j++) {\n        sources.push(this._sections[i].consumer.sources[j]);\n      }\n    }\n    return sources;\n  }\n});\n\n/**\n * Returns the original source, line, and column information for the\n * generated\n * source's line and column positions provided. The only argument is an object\n * with the following\n * properties:\n * - line: The line number in the generated source.\n * - column: The column number in the\n * generated source.\n * and an object is returned with the following properties:\n * - source: The original\n * source file, or null.\n * - line: The line number in the original source, or null.\n * - column: The column number in\n * the original source, or null.\n * - name: The original identifier, or null.\n */\nIndexedSourceMapConsumer.prototype.originalPositionFor =\nfunction\nIndexedSourceMapConsumer_originalPositionFor(aArgs) {\n  var needle = {\n    generatedLine:\n    util.getArg(aArgs, 'line'),\n    generatedColumn: util.getArg(aArgs, 'column')\n  }; \n  // Find the section\n  containing the generated position we're trying to map\n  // to an original position.\n  var sectionIndex =\n  binarySearch.search(needle, this._sections,\n    function(needle, section) {\n      var cmp = needle.generatedLine -\n      section.generatedOffset.generatedLine;\n      if (cmp) {\n        return cmp;\n      }\n      return\n      (needle.generatedColumn -\n      section.generatedOffset.generatedColumn);\n    });\n  var section =\n  this._sections[sectionIndex];\n  if (!section) {\n    return {\n      source: null,\n      line: null,\n      column:\n      null,\n      name: null\n    }; \n  }\n  return section.consumer.originalPositionFor({\n    line:\n    needle.generatedLine -\n    (section.generatedOffset.generatedLine - 1),\n    column: needle.generatedColumn -\n    (section.generatedOffset.generatedLine === needle.generatedLine\n    ?\n    section.generatedOffset.generatedColumn - 1\n    : 0),\n    bias: aArgs.bias\n  }); \n};\n\n/**\n * Return true if\n * we have the source content for every source in the source\n * map, false otherwise.\n */\nIndexedSourceMapConsumer.prototype.hasContentsOfAllSources =\nfunction\nIndexedSourceMapConsumer_hasContentsOfAllSources() {\n  return this._sections.every(function (s) {\n    return s.consumer.hasContentsOfAllSources();\n  }); \n};\n\n/**\n * Returns the original source content. The only\n * argument is the url of the\n * original source file. Returns null if no original source content is\n * available.\n */\nIndexedSourceMapConsumer.prototype.sourceContentFor =\nfunction\nIndexedSourceMapConsumer_sourceContentFor(aSource, nullOnMissing) {\n  for (var i = 0; i <\n  this._sections.length; i++) {\n    var section = this._sections[i];\n    var content =\n    section.consumer.sourceContentFor(aSource, true);\n    if (content) {\n      return content;\n    }\n  }\n  if\n  (nullOnMissing) {\n    return null;\n  }\n  else {\n    throw new Error("'" + aSource + "' is not in the\n    SourceMap.");\n  }\n};\n\n/**\n * Returns the generated line and column information for the original source,\n * line,\n * and column positions provided. The only argument is an object with\n * the following properties:\n * -\n * source: The filename of the original source.\n * - line: The line number in the original source.\n * - column: The\n * column number in the original source.\n * and an object is returned with the following properties:\n * - line:\n * The line number in the generated source, or null.\n * - column: The column number in the generated source, or\n * null.\n */\nIndexedSourceMapConsumer.prototype.generatedPositionFor =\nfunction\nIndexedSourceMapConsumer_generatedPositionFor(aArgs) {\n  for (var i = 0; i < this._sections.length; i++) {\n    var section = this._sections[i];\n    // Only consider this section if the requested source is in the list of\n    // sources of the consumer.\n    if (section.consumer.sources.indexOf(util.getArg(aArgs, 'source')) === -1) {\n      continue;\n    }\n    var generatedPosition = section.consumer.generatedPositionFor(aArgs);\n    if\n    (generatedPosition) {\n      var ret = {\n        line: generatedPosition.line +\n
```

```

(section.generatedOffset.generatedLine - 1),\n      column: generatedPosition.column +\n
(section.generatedOffset.generatedLine === generatedPosition.line\n      ?
section.generatedOffset.generatedColumn - 1\n      : 0)\n    });\n    return ret;\n  }\n }\n\n return {\n
line: null,\n   column: null\n };;\n};\n\n/**\n * Parse the mappings in a string in to a data structure which we can
easily\n * query (the ordered arrays in the `this.__generatedMappings` and\n * `this.__originalMappings`
properties).\n */\nIndexedSourceMapConsumer.prototype._parseMappings =\n function
IndexedSourceMapConsumer_parseMappings(aStr, aSourceRoot) {\n   this.__generatedMappings = [];\n
this.__originalMappings = [];\n   for (var i = 0; i < this._sections.length; i++) {\n     var section =
this._sections[i];\n     var sectionMappings = section.consumer._generatedMappings;\n     for (var j = 0; j <
sectionMappings.length; j++) {\n       var mapping = sectionMappings[j];\n\n       var source =
section.consumer._sources.at(mapping.source);\n       if (section.consumer.sourceRoot !== null) {\n         source =
util.join(section.consumer.sourceRoot, source);\n       }\n       this._sources.add(source);\n       source =
this._sources.indexOf(source);\n\n       var name = section.consumer._names.at(mapping.name);\n
this._names.add(name);\n       name = this._names.indexOf(name);\n\n       // The mappings coming from the
consumer for the section have\n       // generated positions relative to the start of the section, so we\n       // need to
offset them to be relative to the start of the concatenated\n       // generated file.\n       var adjustedMapping = {\n
source: source,\n       generatedLine: mapping.generatedLine +\n         (section.generatedOffset.generatedLine -
1),\n       generatedColumn: mapping.generatedColumn +\n         (section.generatedOffset.generatedLine ===
mapping.generatedLine\n         ? section.generatedOffset.generatedColumn - 1\n         : 0),\n       originalLine:
mapping.originalLine,\n       originalColumn: mapping.originalColumn,\n       name: name\n     };;\n
this.__generatedMappings.push(adjustedMapping);\n     if (typeof adjustedMapping.originalLine === 'number')
{\n       this.__originalMappings.push(adjustedMapping);\n     }\n   }\n }\n\n quickSort(this.__generatedMappings, util.compareByGeneratedPositionsDeflated);\n
quickSort(this.__originalMappings, util.compareByOriginalPositions);\n
};\n\nexports.IndexedSourceMapConsumer = IndexedSourceMapConsumer;\n", "/* -*- Mode: js; js-indent-level: 2; -
* -*/\n\n * Copyright 2011 Mozilla Foundation and contributors\n * Licensed under the New BSD license. See
LICENSE or:\n * http://opensource.org/licenses/BSD-3-Clause\n */\n\nexports.GREATEST_LOWER_BOUND =
1;\nexports.LEAST_UPPER_BOUND = 2;\n\n/**\n * Recursive implementation of binary search.\n *\n * @param
aLow Indices here and lower do not contain the needle.\n * @param aHigh Indices here and higher do not contain
the needle.\n * @param aNeedle The element being searched for.\n * @param aHaystack The non-empty array
being searched.\n * @param aCompare Function which takes two elements and returns -1, 0, or 1.\n * @param
aBias Either 'binarySearch.GREATEST_LOWER_BOUND' or\n * 'binarySearch.LEAST_UPPER_BOUND'.
Specifies whether to return the\n * closest element that is smaller than or greater than the one we are\n *
searching for, respectively, if the exact element cannot be found.\n */\nfunction recursiveSearch(aLow, aHigh,
aNeedle, aHaystack, aCompare, aBias) {\n // This function terminates when one of the following is true:\n //\n
1. We find the exact element we are looking for.\n //\n 2. We did not find the exact element, but we can return
the index of\n // the next-closest element.\n //\n 3. We did not find the exact element, and there is no next-
closest\n // element than the one we are searching for, so we return -1.\n   var mid = Math.floor((aHigh - aLow) /
2) + aLow;\n   var cmp = aCompare(aNeedle, aHaystack[mid], true);\n   if (cmp === 0) {\n // Found the element we
are looking for.\n     return mid;\n   }\n   else if (cmp > 0) {\n // Our needle is greater than aHaystack[mid].\n
if (aHigh - mid > 1) {\n // The element is in the upper half.\n     return recursiveSearch(mid, aHigh, aNeedle,
aHaystack, aCompare, aBias);\n   }\n\n // The exact needle element was not found in this haystack. Determine if\n
// we are in termination case (3) or (2) and return the appropriate thing.\n     if (aBias ===
exports.LEAST_UPPER_BOUND) {\n       return aHigh < aHaystack.length ? aHigh : -1;\n     } else {\n       return
mid;\n     }\n   }\n   else {\n // Our needle is less than aHaystack[mid].\n     if (mid - aLow > 1) {\n // The element
is in the lower half.\n       return recursiveSearch(aLow, mid, aNeedle, aHaystack, aCompare, aBias);\n     }\n\n //
we are in termination case (3) or (2) and return the appropriate thing.\n     if (aBias ===
exports.LEAST_UPPER_BOUND) {\n       return mid;\n     } else {\n       return aLow < 0 ? -1 : aLow;\n     }\n   }\n
}

```

```

}
}

This is an implementation of binary search which will always try and return the index of the
closest element if there is no exact hit. This is because mappings between original and generated line/col pairs
are single points and there is an implicit region between each of them, so a miss just means that you aren't
on the very start of a region.

@param aNeedle The element you are looking for.
@param aHaystack The array that is being searched.
@param aCompare A function which takes the needle and an element in the array and returns -1, 0, or 1 depending on whether the needle is less than, equal to, or greater than the element,
respectively.
@param aBias Either 'binarySearch.GREATEST_LOWER_BOUND' or 'binarySearch.LEAST_UPPER_BOUND'. Specifies whether to return the closest element that is smaller than
or greater than the one we are searching for, respectively, if the exact element cannot be found. Defaults
to 'binarySearch.GREATEST_LOWER_BOUND'.

\nexports.search = function search(aNeedle, aHaystack,
aCompare, aBias) {
  if (aHaystack.length === 0) {
    return -1;
  }

  var index = recursiveSearch(-1,
aHaystack.length, aNeedle, aHaystack,
aCompare, aBias ||
exports.GREATEST_LOWER_BOUND);
  if (index < 0) {
    return -1;
  }

  // We have found either the
  exact element, or the next-closest element than
  // the one we are searching for. However, there may be more than
  one such
  // element. Make sure we always return the smallest of these.
  while (index - 1 >= 0) {
    if
    (aCompare(aHaystack[index], aHaystack[index - 1], true) !== 0) {
      break;
    }
    --index;
  }

  return
  index;
};

/* -*- Mode: js; js-indent-level: 2; -*- */
\n * Copyright 2011 Mozilla Foundation and
  contributors
\n * Licensed under the New BSD license. See LICENSE or
\n * http://opensource.org/licenses/BSD-3-
  Clause
\n *
\n // It turns out that some (most?) JavaScript engines don't self-host
\n `Array.prototype.sort`. This
  makes sense because C++ will likely remain
\n // faster than JS when doing raw CPU-intensive sorting. However,
  when using a
\n // custom comparator function, calling back and forth between the VM's C++ and
\n // JIT'd JS is
  rather slow and loses JIT type information, resulting in
\n // worse generated code for the comparator function than
  would be optimal. In
\n // fact, when sorting with a comparator, these costs outweigh the benefits of
\n // sorting in
  C++. By using our own JS-implemented Quick Sort (below), we get
\n // a ~3500ms mean speed-up in
  `bench/bench.html`.

\n * Swap the elements indexed by `x` and `y` in the array `ary`.
\n * @param
  {Array} ary
\n * The array.
\n * @param {Number} x
\n * The index of the first item.
\n * @param
  {Number} y
\n * The index of the second item.
\n *
\n function swap(ary, x, y) {
  var temp = ary[x];
  ary[x] =
  ary[y];
  ary[y] = temp;
}

\n * Returns a random integer within the range `low .. high` inclusive.
\n *
\n * @param {Number} low
\n * The lower bound on the range.
\n * @param {Number} high
\n * The upper
  bound on the range.
\n *
\n function randomIntInRange(low, high) {
  return Math.round(low + (Math.random() *
  (high - low)));
}

\n * The Quick Sort algorithm.
\n *
\n * @param {Array} ary
\n * An array to sort.
\n *
\n * @param {function} comparator
\n * Function to use to compare two items.
\n * @param {Number} p
\n * Start index of the array
\n * @param {Number} r
\n * End index of the array
\n *
\n function doQuickSort(ary,
  comparator, p, r) {
  // If our lower bound is less than our upper bound, we (1) partition the
  // array into two
  pieces and (2) recurse on each half. If it is not, this is
  // the empty array and our base case.
  if (p < r) {
    //
    (1) Partitioning.
    //
    // The partitioning chooses a pivot between `p` and `r` and moves all
    // elements that
    // are less than or equal to the pivot to the before it, and
    // all the elements that are greater than it after it. The effect
    // is that
    // once partition is done, the pivot is in the exact place it will be when
    // the array is put in sorted
    order, and it will not need to be moved
    // again. This runs in O(n) time.
    //
    // Always choose a random pivot
    so that an input array which is reverse
    // sorted does not cause O(n^2) running time.
    var pivotIndex =
    randomIntInRange(p, r);
    var i = p - 1;
    swap(ary, pivotIndex, r);
    var pivot = ary[r];
    // Immediately
    after `j` is incremented in this loop, the following hold
    // true:
    //
    // * Every element in `ary[p .. i]` is less
    than or equal to the pivot.
    //
    // * Every element in `ary[i+1 .. j-1]` is greater than the pivot.
    for (var j = p;
    j < r; j++) {
      if (comparator(ary[j], pivot) <= 0) {
        i += 1;
        swap(ary, i, j);
      }
    }

    swap(ary, i + 1, j);
    var q = i + 1;
    // (2) Recurse on each half.
    doQuickSort(ary, comparator, p, q -
    1);
    doQuickSort(ary, comparator, q + 1, r);
  }
}

\n * Sort the given array in-place with the given
  comparator function.
\n *
\n * @param {Array} ary
\n * An array to sort.
\n * @param {function} comparator
\n * Function to use to compare two items.
\n *
\n exports.quickSort = function (ary, comparator) {

```

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doQuickSort(ary, comparator, 0, ary.length - 1);\n};\n"/ * - Mode: js; js-indent-level: 2; - * \n * Copyright
2011 Mozilla Foundation and contributors\n * Licensed under the New BSD license. See LICENSE or:\n *
http://opensource.org/licenses/BSD-3-Clause\n * \n\nvar SourceMapGenerator = require('./source-map-
generator').SourceMapGenerator;\nvar util = require('./util');\n\n// Matches a Windows-style `\\r\\n` newline or a
`\\n` newline used by all other\n// operating systems these days (capturing the result).\nvar REGEX_NEWLINE =
/(\\r?\\n)/;\n\n// Newline character code for charCodeAt() comparisons\nvar NEWLINE_CODE = 10;\n\n// Private
symbol for identifying `SourceNode`s when multiple versions of\n// the source-map library are loaded. This MUST
NOT CHANGE across\n// versions!\nvar isSourceNode = \"$$$isSourceNode$$$\";\n\n/**\n * SourceNodes
provide a way to abstract over interpolating/concatenating\n * snippets of generated JavaScript source code while
maintaining the line and\n * column information associated with the original source code.\n * \n * @param aLine
The original line number.\n * @param aColumn The original column number.\n * @param aSource The original
source's filename.\n * @param aChunks Optional. An array of strings which are snippets of\n *     generated JS, or
other SourceNodes.\n * @param aName The original identifier.\n */\nfunction SourceNode(aLine, aColumn,
aSource, aChunks, aName) {\n  this.children = [];\n  this.sourceContents = {};\n  this.line = aLine == null ? null :
aLine;\n  this.column = aColumn == null ? null : aColumn;\n  this.source = aSource == null ? null : aSource;\n
this.name = aName == null ? null : aName;\n  this[isSourceNode] = true;\n  if (aChunks != null)
this.add(aChunks);\n}\n\n/**\n * Creates a SourceNode from generated code and a SourceMapConsumer.\n * \n *
@param aGeneratedCode The generated code\n * @param aSourceMapConsumer The SourceMap for the generated
code\n * @param aRelativePath Optional. The path that relative sources in the\n *     SourceMapConsumer should
be relative to.\n */\nSourceNode.fromStringWithSourceMap =\n  function
SourceNode_fromStringWithSourceMap(aGeneratedCode, aSourceMapConsumer, aRelativePath) {\n    // The
SourceNode we want to fill with the generated code\n    // and the SourceMap\n    var node = new
SourceNode();\n\n    // All even indices of this array are one line of the generated code,\n    // while all odd indices
are the newlines between two adjacent lines\n    // (since `REGEX_NEWLINE` captures its match).\n    // Processed
fragments are accessed by calling `shiftNextLine`.\n    var remainingLines =
aGeneratedCode.split(REGEX_NEWLINE);\n    var remainingLinesIndex = 0;\n    var shiftNextLine = function()
{\n      var lineContents = getNextLine();\n      // The last line of a file might not have a newline.\n      var newLine =
getNextLine() || \"\";\n      return lineContents + newLine;\n\n      function getNextLine() {\n        return
remainingLinesIndex < remainingLines.length ?\n          remainingLines[remainingLinesIndex++] : undefined;\n
      }\n    };\n\n    // We need to remember the position of `remainingLines`\n    var lastGeneratedLine = 1,
lastGeneratedColumn = 0;\n\n    // The generate SourceNodes we need a code range.\n    // To extract it current and
last mapping is used.\n    // Here we store the last mapping.\n    var lastMapping = null;\n\n    aSourceMapConsumer.eachMapping(function (mapping) {\n      if (lastMapping !== null) {\n        // We add the
code from `lastMapping` to `mapping`:\n        // First check if there is a new line in between.\n        if
(lastGeneratedLine < mapping.generatedLine) {\n          // Associate first line with `lastMapping`\n          addMappingWithCode(lastMapping, shiftNextLine());\n          lastGeneratedLine++;\n          lastGeneratedColumn =
0;\n          // The remaining code is added without mapping\n        } else {\n          // There is no new line in
between.\n          // Associate the code between `lastGeneratedColumn` and\n          //\n          `mapping.generatedColumn` with `lastMapping`\n          var nextLine =
remainingLines[remainingLinesIndex];\n          var code = nextLine.substr(0, mapping.generatedColumn -\n            lastGeneratedColumn);\n          remainingLines[remainingLinesIndex] =
nextLine.substr(mapping.generatedColumn -\n            lastGeneratedColumn);\n          lastGeneratedColumn = mapping.generatedColumn;\n          addMappingWithCode(lastMapping, code);\n          //
No more remaining code, continue\n          lastMapping = mapping;\n          return;\n        }\n      }\n      // We add the
generated code until the first mapping\n      // to the SourceNode without any mapping.\n      // Each line is added as
separate string.\n      while (lastGeneratedLine < mapping.generatedLine) {\n        node.add(shiftNextLine());\n
lastGeneratedLine++;\n      }\n      if (lastGeneratedColumn < mapping.generatedColumn) {\n        var nextLine =
remainingLines[remainingLinesIndex];\n        node.add(nextLine.substr(0, mapping.generatedColumn));\n

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remainingLines[remainingLinesIndex] = nextLine.substr(mapping.generatedColumn);\n      lastGeneratedColumn
= mapping.generatedColumn;\n    }\n    lastMapping = mapping;\n  }, this);\n  // We have processed all
mappings.\n  if (remainingLinesIndex < remainingLines.length) {\n    if (lastMapping) {\n      // Associate the
remaining code in the current line with "lastMapping"\n      addMappingWithCode(lastMapping,
shiftNextLine());\n    }\n    // and add the remaining lines without any mapping\n
node.add(remainingLines.splice(remainingLinesIndex).join("\n")); \n    }\n    // Copy sourcesContent into
SourceNode\n    aSourceMapConsumer.sources.forEach(function (sourceFile) {\n      var content =
aSourceMapConsumer.sourceContentFor(sourceFile);\n      if (content != null) {\n        if (aRelativePath != null) {\n
          sourceFile = util.join(aRelativePath, sourceFile);\n        }\n        node.setSourceContent(sourceFile, content);\n
      }\n    });\n    return node;\n  }\n  function addMappingWithCode(mapping, code) {\n    if (mapping === null ||
mapping.source === undefined) {\n      node.add(code);\n    } else {\n      var source = aRelativePath\n      ?
util.join(aRelativePath, mapping.source)\n      : mapping.source;\n      node.add(new
SourceNode(mapping.originalLine,\n                    mapping.originalColumn,\n                    source,\n
                    code,\n                    mapping.name));\n    }\n  }\n};\n\n/**\n * Add a chunk of generated
JS to this source node.\n * @param aChunk A string snippet of generated JS code, another instance of\n *
SourceNode, or an array where each member is one of those things.\n */\nSourceNode.prototype.add = function
SourceNode_add(aChunk) {\n  if (Array.isArray(aChunk)) {\n    aChunk.forEach(function (chunk) {\n
this.add(chunk);\n    }, this);\n  }\n  else if (aChunk[isSourceNode] || typeof aChunk === "string") {\n    if
(aChunk) {\n      this.children.push(aChunk);\n    }\n  }\n  else {\n    throw new TypeError(\n      "Expected a
SourceNode, string, or an array of SourceNodes and strings. Got '" + aChunk\n    );\n  }\n  return this;\n};\n\n/**\n *
Add a chunk of generated JS to the beginning of this source node.\n * @param aChunk A string snippet of
generated JS code, another instance of\n *      SourceNode, or an array where each member is one of those things.\n
*/\nSourceNode.prototype.prepend = function SourceNode_prepend(aChunk) {\n  if (Array.isArray(aChunk)) {\n
for (var i = aChunk.length-1; i >= 0; i--) {\n    this.prepend(aChunk[i]);\n  }\n  }\n  else if (aChunk[isSourceNode]
|| typeof aChunk === "string") {\n    this.children.unshift(aChunk);\n  }\n  else {\n    throw new TypeError(\n
"Expected a SourceNode, string, or an array of SourceNodes and strings. Got '" + aChunk\n    );\n  }\n  return
this;\n};\n\n/**\n * Walk over the tree of JS snippets in this node and its children. The\n * walking function is called
once for each snippet of JS and is passed that\n * snippet and the its original associated source's line/column
location.\n * @param aFn The traversal function.\n */\nSourceNode.prototype.walk = function
SourceNode_walk(aFn) {\n  var chunk;\n  for (var i = 0, len = this.children.length; i < len; i++) {\n    chunk =
this.children[i];\n    if (chunk[isSourceNode]) {\n      chunk.walk(aFn);\n    }\n    else {\n      if (chunk !== "") {\n
aFn(chunk, { source: this.source,\n                line: this.line,\n                column: this.column,\n
                name: this.name });\n      }\n    }\n  }\n};\n\n/**\n * Like `String.prototype.join` except for SourceNodes. Inserts
`aStr` between\n * each of `this.children`.\n * @param aSep The separator.\n */\nSourceNode.prototype.join =
function SourceNode_join(aSep) {\n  var newChildren;\n  var i;\n  var len = this.children.length;\n  if (len > 0) {\n
newChildren = [];\n    for (i = 0; i < len-1; i++) {\n      newChildren.push(this.children[i]);\n
newChildren.push(aSep);\n    }\n    newChildren.push(this.children[i]);\n    this.children = newChildren;\n  }\n  return
this;\n};\n\n/**\n * Call String.prototype.replace on the very right-most source snippet. Useful\n * for
trimming whitespace from the end of a source node, etc.\n * @param aPattern The pattern to replace.\n *
@param aReplacement The thing to replace the pattern with.\n */\nSourceNode.prototype.replaceRight = function
SourceNode_replaceRight(aPattern, aReplacement) {\n  var lastChild = this.children[this.children.length - 1];\n  if
(lastChild[isSourceNode]) {\n    lastChild.replaceRight(aPattern, aReplacement);\n  }\n  else if (typeof lastChild
=== 'string') {\n    this.children[this.children.length - 1] = lastChild.replace(aPattern, aReplacement);\n  }\n  else {\n
this.children.push(".replace(aPattern, aReplacement));\n  }\n  return this;\n};\n\n/**\n * Set the source content for a
source file. This will be added to the SourceMapGenerator\n * in the sourcesContent field.\n * @param
aSourceFile The filename of the source file\n * @param aSourceContent The content of the source file\n
*/\nSourceNode.prototype.setSourceContent = function SourceNode_setSourceContent(aSourceFile,
aSourceContent) {\n  this.sourceContents[util.toSetString(aSourceFile)] = aSourceContent;\n  }\n};\n\n/**\n * Walk

```

```

over the tree of SourceNodes. The walking function is called for each
* source file content and is passed the
filename and source content.
* @param aFn The traversal function.
*\nSourceNode.prototype.walkSourceContents = function SourceNode_walkSourceContents(aFn) {
  for (var i = 0, len = this.children.length; i < len; i++) {
    if (this.children[i][isSourceNode]) {
      this.children[i].walkSourceContents(aFn);
    }
  }
  var sources = Object.keys(this.sourceContents);
  for (var i = 0, len = sources.length; i < len; i++) {
    aFn(util.fromSetString(sources[i]),
    this.sourceContents[sources[i]]);
  }
};
*\n**\n * Return the string representation of this source node. Walks
over the tree
* and concatenates all the various snippets together to one string.
*\nSourceNode.prototype.toString = function SourceNode_toString() {
  var str = "";
  this.walk(function
(chunk) {
  str += chunk;
});
  return str;
};
*\n**\n * Returns the string representation of this source node
along with a source
* map.
*\nSourceNode.prototype.toStringWithSourceMap = function
SourceNode_toStringWithSourceMap(aArgs) {
  var generated = {
    code: "",
    line: 1,
    column: 0
  };
  var map = new SourceMapGenerator(aArgs);
  var sourceMappingActive = false;
  var lastOriginalSource =
  null;
  var lastOriginalLine = null;
  var lastOriginalColumn = null;
  var lastOriginalName = null;
  this.walk(function (chunk, original) {
    generated.code += chunk;
    if (original.source !== null
    &&
    original.line !== null
    && original.column !== null) {
      if (lastOriginalSource !== original.source
      ||
      lastOriginalLine !== original.line
      || lastOriginalColumn !== original.column
      || lastOriginalName !==
      original.name) {
        map.addMapping({
          source: original.source,
          original: {
            line:
            original.line,
            column: original.column
          },
          generated: {
            line: generated.line,
            column: generated.column
          },
          name: original.name
        });
        lastOriginalSource =
        original.source;
        lastOriginalLine = original.line;
        lastOriginalColumn = original.column;
        lastOriginalName = original.name;
        sourceMappingActive = true;
      } else if (sourceMappingActive) {
        map.addMapping({
          generated: {
            line: generated.line,
            column: generated.column
          }
        });
        lastOriginalSource = null;
        sourceMappingActive = false;
      }
      for (var idx = 0, length =
      chunk.length; idx < length; idx++) {
        if (chunk.charCodeAt(idx) === NEWLINE_CODE) {
          generated.line++;
          generated.column = 0;
          // Mappings end at eol
          if (idx + 1 === length) {
            lastOriginalSource = null;
            sourceMappingActive = false;
          } else if (sourceMappingActive) {
            map.addMapping({
              source: original.source,
              original: {
                line: original.line,
                column:
                original.column
              },
              generated: {
                line: generated.line,
                column:
                generated.column
              },
              name: original.name
            });
          } else {
            generated.column++;
          }
        }
      }
    }
  });
  this.walkSourceContents(function (sourceFile, sourceContent) {
    map.setSourceContent(sourceFile, sourceContent);
  });
  return { code: generated.code, map: map
};
};
\n\nexports.SourceNode = SourceNode;
\n\n"\"use strict\";
\n\nObject.defineProperty(exports, \"__esModule\",
{
  value: true
});
\n\nexports.default = void 0;
\n\nvar _interopRequireDefault = _interopRequireDefault(require(\"./buffer\"));
\n\nvar
n = _interopRequireWildcard(require(\"./node\"));
\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));
\n\nvar generatorFunctions =
_interopRequireWildcard(require(\"./generators\"));
\n\nfunction _getRequireWildcardCache() {
  if (typeof WeakMap
!=\"function\") return null;
  var cache = new WeakMap();
  _getRequireWildcardCache = function () {
    return cache;
  };
  return cache;
}
\n\nfunction _interopRequireWildcard(obj) {
  if (obj && obj.__esModule) {
    return obj;
  }
  if (obj
=== null || typeof obj !== \"object\" && typeof obj !== \"function\") {
    return { default: obj };
  }
  var cache =
_getRequireWildcardCache();
  if (cache && cache.has(obj)) {
    return cache.get(obj);
  }
  var newObj = {};
  var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;
  for (var key in obj) {
    if (Object.prototype.hasOwnProperty.call(obj, key)) {
      var desc = hasPropertyDescriptor ?
      Object.getOwnPropertyDescriptor(obj, key) : null;
      if (desc && (desc.get || desc.set)) {
        Object.defineProperty(newObj, key, desc);
      }
      else {
        newObj[key] = obj[key];
      }
    }
  }
  newObj.default = obj;
  if (cache) {
    cache.set(obj, newObj);
  }
  return newObj;
}
\n\nfunction _interopRequireDefault(obj) {
  return obj &&
obj.__esModule ? obj : { default: obj };
}
\n\nconst SCIENTIFIC_NOTATION = /e/i;
\n\nconst
ZERO_DECIMAL_INTEGER = /\\.0+$/;
\n\nconst NON_DECIMAL_LITERAL = /^[box]/;
\n\nconst

```



```

PURE_ANNOTATION_RE = /^\\s*[@#]__PURE__\\s*$/;
class Printer {
  constructor(format, map) {
    this.inForStatementInitCounter = 0;
    this._printStack = [];
    this._indent = 0;
    this._insideAux = false;
    this._printedCommentStarts = {};
    this._parenPushNewlineState = null;
    this._noLineTerminator = false;
    this._printAuxAfterOnNextUserNode = false;
    this._printedComments = new WeakSet();
    this._endsWithInteger = false;
    this._endsWithWord = false;
    this.format = format || {};
    this._buf = new
    _buffer.default(map);
  }
  generate(ast) {
    this.print(ast);
    this._maybeAddAuxComment();
    return
    this._buf.get();
  }
  indent() {
    if (this.format.compact || this.format.concise) return;
    this._indent++;
  }
  dedent() {
    if (this.format.compact || this.format.concise) return;
    this._indent--;
  }
  semicolon(force = false) {
    this._maybeAddAuxComment();
    this._append(";", !force);
  }
  rightBrace() {
    if (this.format.minified) {
      this._buf.removeLastSemicolon();
    }
    this.token("{}");
  }
  space(force = false) {
    if (this.format.compact) return;
    if (this._buf.hasContent() &&
    !this.endsWith(" ") && !this.endsWith("\n") || force) {
      this._space();
    }
  }
  word(str) {
    if (this._endsWithWord || this.endsWith("\n") && str.indexOf("\n") === 0) {
      this._space();
    }
    this._maybeAddAuxComment();
    this._append(str);
    this._endsWithWord = true;
  }
  number(str) {
    this.word(str);
    this._endsWithInteger = Number.isInteger(+str) && !NON_DECIMAL_LITERAL.test(str) &&
    !SCIENTIFIC_NOTATION.test(str) && !ZERO_DECIMAL_INTEGER.test(str) && str[str.length - 1] !== ".";
  }
  token(str) {
    if (str === "--" && this.endsWith("!") || str[0] === "+" && this.endsWith("\n") || str[0]
    === "-" && this.endsWith("-") || str[0] === "." && this._endsWithInteger) {
      this._space();
    }
    this._maybeAddAuxComment();
    this._append(str);
  }
  newline(i) {
    if (this.format.retainLines ||
    this.format.compact) return;
    if (this.format.concise) {
      this.space();
      return;
    }
    if (this.endsWith("\n\n")) return;
    if (typeof i !== "number") i = 1;
    i = Math.min(2, i);
    if (this.endsWith("{\n") || this.endsWith(":\n")) i--;
    if (i <= 0) return;
    for (let j = 0; j < i; j++) {
      this._newline();
    }
  }
  endsWith(str) {
    return this._buf.endsWith(str);
  }
  removeTrailingNewline() {
    this._buf.removeTrailingNewline();
  }
  exactSource(loc, cb) {
    this._catchUp("start", loc);
    this._buf.exactSource(loc, cb);
  }
  source(prop, loc) {
    this._catchUp(prop, loc);
    this._buf.source(prop, loc);
  }
  withSource(prop, loc, cb) {
    this._catchUp(prop, loc);
    this._buf.withSource(prop, loc, cb);
  }
  _space() {
    this._append(" ", true);
  }
  _newline() {
    this._append("\n", true);
  }
  _append(str, queue = false) {
    this._maybeAddParen(str);
    this._maybeIndent(str);
    if (queue) this._buf.queue(str);
    else this._buf.append(str);
    this._endsWithWord =
    false;
    this._endsWithInteger = false;
  }
  _maybeIndent(str) {
    if (this._indent && this.endsWith("\n")
    && str[0] !== "\n") {
      this._buf.queue(this._getIndent());
    }
  }
  _maybeAddParen(str) {
    const parenPushNewlineState = this._parenPushNewlineState;
    if (!parenPushNewlineState) return;
    let i;
    for (i = 0; i < str.length && str[i] === " "; i++) continue;
    if (i === str.length) {
      return;
    }
    const cha = str[i];
    if (cha !== "\n") {
      if (cha !== "\n" || i + 1 === str.length) {
        this._parenPushNewlineState =
        null;
        return;
      }
      const chaPost = str[i + 1];
      if (chaPost === "*" ||
      (PURE_ANNOTATION_RE.test(str.slice(i + 2, str.length - 2))) {
        return;
      }
    }
    else if (chaPost !==
    "\n") {
      this._parenPushNewlineState =
      null;
      return;
    }
  }
  this.token("(");
  this.indent();
  parenPushNewlineState.printed = true;
  _catchUp(prop, loc) {
    if (!this.format.retainLines) return;
    const pos = loc ? loc[prop] : null;
    if ((pos === null ? void 0 : pos.line) !=
    null) {
      const count = pos.line - this._buf.getCurrentLine();
      for (let i = 0; i < count; i++) {
        this._newline();
      }
    }
  }
  _getIndent() {
    return this.format.indent.style.repeat(this._indent);
  }
  startTerminatorless(isLabel = false) {
    if (isLabel) {
      this._noLineTerminator = true;
      return null;
    }
    else {
      return this._parenPushNewlineState = {
        printed: false
      };
    }
  }
  endTerminatorless(state) {
    this._noLineTerminator = false;
    if (state === null ? void 0 : state.printed) {
      this.dedent();
      this._newline();
      this.token(")");
    }
  }
  print(node, parent) {
    if (!node) return;
    const oldConcise = this.format.concise;
    if (node._compact) {
      this.format.concise = true;
    }
    const printMethod = this[node.type];
    if (!printMethod) {
      throw new ReferenceError(`unknown node of type
      ${JSON.stringify(node.type)} with constructor
      ${JSON.stringify(node === null ? void 0 :
      `

```

```

node.constructor.name)}');\n }\n\n this._printStack.push(node);\n\n const oldInAux = this._insideAux;\n this._insideAux = !node.loc;\n\n this._maybeAddAuxComment(this._insideAux && !oldInAux);\n\n let\n needsParens = n.needsParens(node, parent, this._printStack);\n\n if (this.format.retainFunctionParens &&\n node.type === \"FunctionExpression\" && node.extra && node.extra.parenthesized) {\n   needsParens = true;\n }\n\n if (needsParens) this.token("(");\n\n this._printLeadingComments(node);\n\n const loc =\n t.isProgram(node) || t.isFile(node) ? null : node.loc;\n\n this.withSource(\"start\", loc, () => {\n\n printMethod.call(this, node, parent);\n\n });\n\n this._printTrailingComments(node);\n\n if (needsParens)\n this.token(")");\n\n this._printStack.pop();\n\n this.format.concise = oldConcise;\n\n this._insideAux =\n oldInAux;\n\n }\n\n _maybeAddAuxComment(enteredPositionlessNode) {\n   if (enteredPositionlessNode)\n     this._printAuxBeforeComment();\n   if (!this._insideAux) this._printAuxAfterComment();\n }\n\n _printAuxBeforeComment() {\n   if (this._printAuxAfterOnNextUserCode) return;\n\n this._printAuxAfterOnNextUserCode = true;\n\n const comment = this.format.auxiliaryCommentBefore;\n\n if (comment) {\n   this._printComment({\n     type: \"CommentBlock\",\n     value: comment\n   });\n }\n\n }\n\n _printAuxAfterComment() {\n   if (!this._printAuxAfterOnNextUserCode) return;\n\n this._printAuxAfterOnNextUserCode = false;\n\n const comment = this.format.auxiliaryCommentAfter;\n\n if (comment) {\n   this._printComment({\n     type: \"CommentBlock\",\n     value: comment\n   });\n }\n\n }\n\n getPossibleRaw(node) {\n   const extra = node.extra;\n\n   if (extra && extra.raw != null && extra.rawValue\n != null && node.value === extra.rawValue) {\n     return extra.raw;\n   }\n }\n\n printJoin(nodes, parent, opts =\n {})\n {\n   if (!(nodes == null ? void 0 : nodes.length)) return;\n\n   if (opts.indent) this.indent();\n\n   const newlineOpts\n = {\n   addNewlines: opts.addNewlines\n   };\n\n   for (let i = 0; i < nodes.length; i++) {\n     const node =\n nodes[i];\n\n     if (!node) continue;\n\n     if (opts.statement) this._printNewline(true, node, parent, newlineOpts);\n\n     this.print(node, parent);\n\n     if (opts.iterator) {\n       opts.iterator(node, i);\n     }\n\n     if (opts.separator && i <\n nodes.length - 1) {\n       opts.separator.call(this);\n     }\n\n     if (opts.statement) this._printNewline(false, node,\n parent, newlineOpts);\n   }\n\n   if (opts.indent) this.dedent();\n }\n\n printAndIndentOnComments(node, parent)\n {\n   const indent = node.leadingComments && node.leadingComments.length > 0;\n\n   if (indent) this.indent();\n\n   this.print(node, parent);\n\n   if (indent) this.dedent();\n }\n\n printBlock(parent) {\n   const node = parent.body;\n\n   if (!t.isEmptyStatement(node)) {\n     this.space();\n   }\n\n   this.print(node, parent);\n }\n\n _printTrailingComments(node) {\n   this._printComments(this._getComments(false, node));\n }\n\n _printLeadingComments(node) {\n   this._printComments(this._getComments(true, node));\n }\n\n printInnerComments(node, indent = true) {\n   var _node$innerComments;\n\n   if (!((_node$innerComments =\n node.innerComments) == null ? void 0 : _node$innerComments.length)) return;\n\n   if (indent) this.indent();\n\n   this._printComments(node.innerComments);\n\n   if (indent) this.dedent();\n }\n\n printSequence(nodes, parent,\n opts = {})\n {\n   opts.statement = true;\n\n   return this.printJoin(nodes, parent, opts);\n }\n\n printList(items, parent,\n opts = {})\n {\n   if (opts.separator == null) {\n     opts.separator = commaSeparator;\n   }\n\n   return\n this.printJoin(items, parent, opts);\n }\n\n _printNewline(leading, node, parent, opts) {\n   if\n (this.format.retainLines || this.format.compact) return;\n\n   if (this.format.concise) {\n     this.space();\n     return;\n   }\n\n   let lines = 0;\n\n   if (this._buf.hasContent()) {\n     if (!leading) lines++;\n\n     if\n (opts.addNewlines) lines += opts.addNewlines(leading, node) || 0;\n\n     const needs = leading ?\n n.needsWhitespaceBefore : n.needsWhitespaceAfter;\n\n     if (needs(node, parent)) lines++;\n   }\n\n   this.newline(lines);\n }\n\n _getComments(leading, node) {\n   return node && (leading ? node.leadingComments\n : node.trailingComments) || [];\n }\n\n _printComment(comment, skipNewLines) {\n   if\n (!this.format.shouldPrintComment(comment.value)) return;\n\n   if (comment.ignore) return;\n\n   if\n (this._printedComments.has(comment)) return;\n\n   this._printedComments.add(comment);\n\n   if (comment.start\n != null) {\n     if (this._printedCommentStarts[comment.start]) return;\n\n     this._printedCommentStarts[comment.start] = true;\n   }\n\n   const isBlockComment = comment.type ===\n \"CommentBlock\";\n\n   const printNewLines = isBlockComment && !skipNewLines &&\n !this._noLineTerminator;\n\n   if (printNewLines && this._buf.hasContent()) this.newline(1);\n\n   if\n (!this.endsWith(\"[\") && !this.endsWith(\"{\") this.space();\n\n   let val = !isBlockComment &&

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!this._noLineTerminator ? `/${comment.value}\\n` : `/*${comment.value}*/`;\\n\\n if (isBlockComment &&
this.format.indent.adjustMultilineComment) {\\n var _comment$loc;\\n\\n const offset = (_comment$loc =
comment.loc) == null ? void 0 : _comment$loc.start.column;\\n\\n if (offset) {\\n const newlineRegex = new
RegExp("\\\\n\\\\s{1," + offset + "\\}|" , "g");\\n val = val.replace(newlineRegex, "\\n");\\n }\\n\\n const
indentSize = Math.max(this._getIndent().length, this.format.retainLines ? 0 : this._buf.getCurrentColumn());\\n
val = val.replace(/\\n(?:$)/g, "\\n${" \" \" .repeat(indentSize)}");\\n }\\n\\n if (this.endsWith("\\n")) this._space();\\n
this.withSource("start", comment.loc, () => {\\n this._append(val);\\n });\\n if (printNewLines)
this.newline(1);\\n }\\n\\n _printComments(comments, inlinePureAnnotation) {\\n if (!(comments == null ? void 0 :
comments.length)) return;\\n\\n if (inlinePureAnnotation && comments.length === 1 &&
PURE_ANNOTATION_RE.test(comments[0].value)) {\\n this._printComment(comments[0],
this._buf.hasContent() && !this.endsWith("\\n\\n"));\\n } else {\\n for (const comment of comments) {\\n
this._printComment(comment);\\n }\\n }\\n }\\n\\n printAssertions(node) {\\n var _node$assertions;\\n\\n if
((_node$assertions = node.assertions) == null ? void 0 : _node$assertions.length) {\\n this.space();\\n
this.word("assert");\\n this.space();\\n this.token("{}");\\n this.space();\\n this.printList(node.assertions,
node);\\n this.space();\\n this.token("{}");\\n }\\n }\\n }\\n }\\n }\\n exports.default =
Printer;\\n Object.assign(Printer.prototype, generatorFunctions);\\n\\n function commaSeparator() {\\n
this.token(",");\\n this.space();\\n }\\n\\n "use strict";\\n\\n Object.defineProperty(exports, "__esModule", {\\n value:
true\\n});\\n exports.default = void 0;\\n\\n const SPACES_RE = /^[ \\t]+$/;\\n\\n class Buffer {\\n constructor(map) {\\n
this._map = null;\\n this._buf = [];\\n this._last = "";\\n this._queue = [];\\n this._position = {\\n line: 1,\\n
column: 0\\n };\\n this._sourcePosition = {\\n identifierName: null,\\n line: null,\\n column: null,\\n
filename: null\\n };\\n this._disallowedPop = null;\\n this._map = map;\\n }\\n\\n get() {\\n this._flush();\\n\\n
const map = this._map;\\n const result = {\\n code: this._buf.join("").trimRight(),\\n map: null,\\n
rawMappings: map == null ? void 0 : map.getRawMappings()\\n };\\n\\n if (map) {\\n
Object.defineProperty(result, "map", {\\n configurable: true,\\n enumerable: true,\\n\\n get() {\\n
return this.map = map.get();\\n },\\n\\n set(value) {\\n Object.defineProperty(this, "map", {\\n
value,\\n writable: true\\n });\\n }\\n\\n });\\n }\\n\\n return result;\\n }\\n\\n append(str) {\\n
this._flush();\\n\\n const {\\n line,\\n column,\\n filename,\\n identifierName,\\n force\\n } =
this._sourcePosition;\\n\\n this._append(str, line, column, identifierName, filename, force);\\n }\\n\\n queue(str) {\\n
if (str === "\\n\\n") {\\n while (this._queue.length > 0 && SPACES_RE.test(this._queue[0][0])) {\\n
this._queue.shift();\\n }\\n }\\n\\n const {\\n line,\\n column,\\n filename,\\n identifierName,\\n
force\\n } = this._sourcePosition;\\n\\n this._queue.unshift([str, line, column, identifierName, filename, force]);\\n
}\\n\\n _flush() {\\n let item;\\n\\n while (item = this._queue.pop()) this._append(...item);\\n }\\n\\n _append(str, line,
column, identifierName, filename, force) {\\n this._buf.push(str);\\n\\n this._last = str[str.length - 1];\\n let i =
str.indexOf("\\n");\\n let last = 0;\\n\\n if (i !== 0) {\\n this._mark(line, column, identifierName, filename,
force);\\n }\\n\\n while (i !== -1) {\\n this._position.line++;\\n this._position.column = 0;\\n last = i + 1;\\n\\n
if (last < str.length) {\\n this._mark(++line, 0, identifierName, filename, force);\\n }\\n\\n i =
str.indexOf("\\n", last);\\n }\\n\\n this._position.column += str.length - last;\\n }\\n\\n _mark(line, column,
identifierName, filename, force) {\\n var _this$_map;\\n\\n (_this$_map = this._map) == null ? void 0 :
_this$_map.mark(this._position.line, this._position.column, line, column, identifierName, filename, force);\\n }\\n\\n
removeTrailingNewline() {\\n if (this._queue.length > 0 && this._queue[0][0] === "\\n\\n") {\\n
this._queue.shift();\\n }\\n }\\n\\n removeLastSemicolon() {\\n if (this._queue.length > 0 && this._queue[0][0]
=== ";"\\n) {\\n this._queue.shift();\\n }\\n }\\n\\n endsWith(suffix) {\\n if (suffix.length === 1) {\\n let last;\\n\\n
if (this._queue.length > 0) {\\n const str = this._queue[0][0];\\n last = str[str.length - 1];\\n } else {\\n
last = this._last;\\n }\\n\\n return last === suffix;\\n }\\n\\n const end = this._last + this._queue.reduce((acc,
item) => item[0] + acc, "");\\n\\n if (suffix.length <= end.length) {\\n return end.slice(-suffix.length) ===
suffix;\\n }\\n\\n return false;\\n }\\n\\n hasContent() {\\n return this._queue.length > 0 || !!this._last;\\n }\\n\\n
exactSource(loc, cb) {\\n this.source("start", loc, true);\\n cb();\\n this.source("end", loc);\\n\\n
this._disallowPop("start", loc);\\n }\\n\\n source(prop, loc, force) {\\n if (prop && !loc) return;\\n\\n

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```
this._normalizePosition(prop, loc, this._sourcePosition, force);
  }
  withSource(prop, loc, cb) {
    if (!this._map) return cb();
    const originalLine = this._sourcePosition.line;
    const originalColumn = this._sourcePosition.column;
    const originalFilename = this._sourcePosition.filename;
    const originalIdentifierName = this._sourcePosition.identifierName;
    this.source(prop, loc);
    cb();
    if ((!this._sourcePosition.force || this._sourcePosition.line !== originalLine || this._sourcePosition.column !== originalColumn || this._sourcePosition.filename !== originalFilename) && (!this._disallowedPop || this._disallowedPop.line !== originalLine || this._disallowedPop.column !== originalColumn || this._disallowedPop.filename !== originalFilename)) {
      this._sourcePosition.line = originalLine;
      this._sourcePosition.column = originalColumn;
      this._sourcePosition.filename = originalFilename;
      this._sourcePosition.identifierName = originalIdentifierName;
      this._sourcePosition.force = false;
      this._disallowedPop = null;
    }
  }
  _disallowPop(prop, loc) {
    if (prop && !loc) return;
    this._disallowedPop = this._normalizePosition(prop, loc);
  }
  _normalizePosition(prop, loc, targetObj, force) {
    const pos = loc ? loc[prop] : null;
    if (targetObj === undefined) {
      targetObj = {
        identifierName: null,
        line: null,
        column: null,
        filename: null,
        force: false
      };
    }
    const origLine = targetObj.line;
    const origColumn = targetObj.column;
    const origFilename = targetObj.filename;
    targetObj.identifierName = prop === "start" && (loc === null ? void 0 : loc.identifierName) || null;
    targetObj.line = pos === null ? void 0 : pos.line;
    targetObj.column = pos === null ? void 0 : pos.column;
    targetObj.filename = loc === null ? void 0 : loc.filename;
    if (force || targetObj.line !== origLine || targetObj.column !== origColumn || targetObj.filename !== origFilename) {
      targetObj.force = force;
    }
    return targetObj;
  }
  getCurrentColumn() {
    const extra = this._queue.reduce((acc, item) => item[0] + acc, "");
    const lastIndex = extra.lastIndexOf("\n");
    return lastIndex === -1 ? this._position.column + extra.length : extra.length - 1 - lastIndex;
  }
  getCurrentLine() {
    const extra = this._queue.reduce((acc, item) => item[0] + acc, "");
    let count = 0;
    for (let i = 0; i < extra.length; i++) {
      if (extra[i] === "\n") count++;
    }
    return this._position.line + count;
  }
  exports.default = Buffer;
  use strict;
  Object.defineProperty(exports, "__esModule", { value: true });
  exports.list = exports.nodes = void 0;
  var t = _interopRequireWildcard(require("@babel/types"));
  function _getRequireWildcardCache() {
    if (typeof WeakMap !== "function") return null;
    var cache = new WeakMap();
    _getRequireWildcardCache = function () { return cache; };
    return cache;
  }
  function _interopRequireWildcard(obj) {
    if (obj && obj.__esModule) { return obj; }
    if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; }
    var cache = _getRequireWildcardCache();
    if (cache && cache.has(obj)) { return cache.get(obj); }
    var newObj = {};
    var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;
    for (var key in obj) {
      if (Object.prototype.hasOwnProperty.call(obj, key)) {
        var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null;
        if (desc && (desc.get || desc.set)) {
          Object.defineProperty(newObj, key, desc);
        } else {
          newObj[key] = obj[key];
        }
      }
    }
    newObj.default = obj;
    if (cache) { cache.set(obj, newObj); }
    return newObj;
  }
  function crawl(node, state = {}) {
    if (t.isMemberExpression(node) || t.isOptionalMemberExpression(node)) {
      crawl(node.object, state);
      if (node.computed) crawl(node.property, state);
    } else if (t.isBinary(node) || t.isAssignmentExpression(node)) {
      crawl(node.left, state);
      crawl(node.right, state);
    } else if (t.isCallExpression(node) || t.isOptionalCallExpression(node)) {
      state.hasCall = true;
      crawl(node.callee, state);
    } else if (t.isFunction(node)) {
      state.hasFunction = true;
    } else if (t.isIdentifier(node)) {
      state.hasHelper = state.hasHelper || isHelper(node.callee);
    }
    return state;
  }
  function isHelper(node) {
    if (t.isMemberExpression(node)) {
      return isHelper(node.object) || isHelper(node.property);
    } else if (t.isIdentifier(node)) {
      return node.name === "require" || node.name[0] === "_";
    } else if (t.isCallExpression(node)) {
      return isHelper(node.callee);
    } else if (t.isBinary(node) || t.isAssignmentExpression(node)) {
      return t.isIdentifier(node.left) && isHelper(node.left) || isHelper(node.right);
    } else {
      return false;
    }
  }
  function isType(node) {
    return t.isLiteral(node) || t.isObjectExpression(node) || t.isArrayExpression(node) || t.isIdentifier(node) || t.isMemberExpression(node);
  }
  const nodes = {
    AssignmentExpression(node) {
      const state =
```

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crawl(node.right);\n  if (state.hasCall && state.hasHelper || state.hasFunction) {\n    return {\n      before: state.hasFunction,\n      after: true\n    }; \n  },\n  SwitchCase(node, parent) {\n    return {\n      before: node.consequent.length || parent.cases[0] === node,\n      after: !node.consequent.length && parent.cases[parent.cases.length - 1] === node\n    }; \n  },\n  LogicalExpression(node) {\n    if (t.isFunction(node.left) || t.isFunction(node.right)) {\n      return {\n        after: true\n      }; \n    },\n    Literal(node) {\n      if (node.value === "use strict") {\n        return {\n          after: true\n        }; \n      } \n    },\n    CallExpression(node) {\n      if (t.isFunction(node.callee) || isHelper(node)) {\n        return {\n          before: true,\n          after: true\n        }; \n      } \n    },\n    OptionalCallExpression(node) {\n      if (t.isFunction(node.callee)) {\n        return {\n          before: true,\n          after: true\n        }; \n      } \n    },\n    VariableDeclaration(node) {\n      for (let i = 0; i < node.declarations.length; i++) {\n        const declar = node.declarations[i];\n        let enabled = isHelper(declar.id) && !isType(declar.init);\n        if (!enabled) {\n          const state = crawl(declar.init);\n          enabled = isHelper(declar.init) && state.hasCall || state.hasFunction;\n        } \n        if (enabled) {\n          return {\n            before: true,\n            after: true\n          }; \n        } \n      } \n    },\n    IfStatement(node) {\n      if (t.isBlockStatement(node.consequent)) {\n        return {\n          before: true,\n          after: true\n        }; \n      } \n    } \n  },\n  nexports.nodes = nodes;\n  nodes.ObjectProperty = nodes.ObjectTypeProperty = nodes.ObjectMethod = function (node, parent) {\n    if (parent.properties[0] === node) {\n      return {\n        before: true\n      }; \n    } \n  };\n  nodes.ObjectTypeCallProperty = function (node, parent) {\n    var _parent$properties;\n    if (parent.callProperties[0] === node && !((_parent$properties = parent.properties) == null ? void 0 : _parent$properties.length)) {\n      return {\n        before: true\n      }; \n    } \n  };\n  nodes.ObjectTypeIndexer = function (node, parent) {\n    var _parent$properties2, _parent$callPropertie;\n    if (parent.indexers[0] === node && !((_parent$properties2 = parent.properties) == null ? void 0 : _parent$properties2.length) && !((_parent$callPropertie = parent.callProperties) == null ? void 0 : _parent$callPropertie.length)) {\n      return {\n        before: true\n      }; \n    } \n  };\n  nodes.ObjectTypeInternalSlot = function (node, parent) {\n    var _parent$properties3, _parent$callPropertie2, _parent$indexers;\n    if (parent.internalSlots[0] === node && !((_parent$properties3 = parent.properties) == null ? void 0 : _parent$properties3.length) && !((_parent$callPropertie2 = parent.callProperties) == null ? void 0 : _parent$callPropertie2.length) && !((_parent$indexers = parent.indexers) == null ? void 0 : _parent$indexers.length)) {\n      return {\n        before: true\n      }; \n    } \n  };\n  const list = [\n    VariableDeclaration(node) {\n      return node.declarations.map(decl => decl.init);\n    },\n    ArrayExpression(node) {\n      return node.elements;\n    },\n    ObjectExpression(node) {\n      return node.properties;\n    } \n  ];\n  nexports.list = list;\n  [["Function", true], ["Class", true], ["Loop", true], ["LabeledStatement", true], ["SwitchStatement", true], ["TryStatement", true]].forEach(function ([type, amounts]) {\n    if (typeof amounts === "boolean") {\n      amounts = {\n        after: amounts,\n        before: amounts\n      }; \n    } \n  });\n  [type].concat(t.FLIPPED_ALIAS_KEYS[type] || []).forEach(function (type) {\n    nodes[type] = function () {\n      return amounts;\n    }; \n  });\n  Object.defineProperty(exports, "__esModule", {\n    value: true\n });\n  nexports.NullableTypeAnnotation = NullableTypeAnnotation;\n  nexports.FunctionTypeAnnotation = FunctionTypeAnnotation;\n  nexports.UpdateExpression = UpdateExpression;\n  nexports.ObjectExpression = ObjectExpression;\n  nexports.DoExpression = DoExpression;\n  nexports.Binary = Binary;\n  nexports.IntersectionTypeAnnotation = exports.UnionTypeAnnotation = UnionTypeAnnotation;\n  nexports.TSAsExpression = TSAsExpression;\n  nexports.TSTypeAssertion = TSTypeAssertion;\n  nexports.TSIntersectionType = exports.TSUnionType = TSUnionType;\n  nexports.TSInferType = TSInferType;\n  nexports.BinaryExpression = BinaryExpression;\n  nexports.SequenceExpression = SequenceExpression;\n  nexports.AwaitExpression = exports.YieldExpression = YieldExpression;\n  nexports.ClassExpression = ClassExpression;\n  nexports.UnaryLike = UnaryLike;\n  nexports.FunctionExpression = FunctionExpression;\n  nexports.ArrowFunctionExpression = ArrowFunctionExpression;\n  nexports.ConditionalExpression = ConditionalExpression;\n  nexports.OptionalCallExpression = exports.OptionalMemberExpression = OptionalMemberExpression;\n  nexports.AssignmentExpression = AssignmentExpression;\n  nexports.LogicalExpression = LogicalExpression;\n  \n  var t =

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_interopRequireWildcard(require("@babel/types"));
function _getRequireWildcardCache() { if (typeof WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; }; return cache; }
function _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) { Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) { cache.set(obj, newObj); } return newObj; }
const PRECEDENCE = {
  "|": 0,
  "?": 0,
  "&": 1,
  "|": 2,
  "^": 3,
  "&": 4,
  "===": 5,
  "===": 5,
  "!=": 5,
  "!=": 5,
  "<": 6,
  ">": 6,
  "<=": 6,
  ">=": 6,
  in: 6,
  instanceof: 6,
  ">>": 7,
  "<<": 7,
  ">>>": 7,
  "+": 8,
  "-": 8,
  "*": 9,
  "/": 9,
  "%": 9,
  "**": 10
};
const isClassExtendsClause = (node, parent) => (t.isClassDeclaration(parent) || t.isClassExpression(parent)) && parent.superClass === node;
const hasPostfixPart = (node, parent) => (t.isMemberExpression(parent) || t.isOptionalMemberExpression(parent)) && parent.object === node || (t.isCallExpression(parent) || t.isOptionalCallExpression(parent)) || t.isNewExpression(parent) && parent.callee === node || t.isTaggedTemplateExpression(parent) && parent.tag === node || t.isTSNonNullExpression(parent);
function NullableTypeAnnotation(node, parent) {
  return t.isArrayTypeAnnotation(parent);
}
function FunctionTypeAnnotation(node, parent, printStack) {
  return t.isUnionTypeAnnotation(parent) || t.isIntersectionTypeAnnotation(parent) || t.isArrayTypeAnnotation(parent) || t.isTypeAnnotation(parent) && t.isArrowFunctionExpression(printStack[printStack.length - 3]);
}
function UpdateExpression(node, parent) {
  return hasPostfixPart(node, parent) || isClassExtendsClause(node, parent);
}
function ObjectExpression(node, parent, printStack) {
  return isFirstInStatement(printStack, { considerArrow: true });
}
function DoExpression(node, parent, printStack) {
  return isFirstInStatement(printStack);
}
function Binary(node, parent) {
  if (node.operator === "**") && t.isBinaryExpression(parent, { operator: "**" }) {
    return parent.left === node;
  }
  if (isClassExtendsClause(node, parent)) {
    return true;
  }
  if (hasPostfixPart(node, parent) || t.isUnaryLike(parent) || t.isAwaitExpression(parent)) {
    return true;
  }
  if (t.isBinary(parent)) {
    const parentOp = parent.operator;
    const parentPos = PRECEDENCE[parentOp];
    const nodeOp = node.operator;
    const nodePos = PRECEDENCE[nodeOp];
    if (parentPos === nodePos && parent.right === node && !t.isLogicalExpression(parent) || parentPos > nodePos) {
      return true;
    }
  }
}
function UnionTypeAnnotation(node, parent) {
  return t.isArrayTypeAnnotation(parent) || t.isNullableTypeAnnotation(parent) || t.isIntersectionTypeAnnotation(parent) || t.isUnionTypeAnnotation(parent);
}
function TSAsExpression() {
  return true;
}
function TSUnaryExpression() {
  return true;
}
function TSArrayType(parent) {
  return t.isTSArrayType(parent) || t.isTSOptionalType(parent) || t.isTSIntersectionType(parent) || t.isTSUnionType(parent) || t.isTSRestType(parent);
}
function TSInferType(node, parent) {
  return t.isTSArrayType(parent) || t.isTSOptionalType(parent);
}
function BinaryExpression(node, parent) {
  return node.operator === "in" && (t.isVariableDeclarator(parent) || t.isFor(parent));
}
function SequenceExpression(node, parent) {
  if (t.isForStatement(parent) || t.isThrowStatement(parent) || t.isReturnStatement(parent) || t.isIfStatement(parent) && parent.test === node || t.isWhileStatement(parent) && parent.test === node || t.isForInStatement(parent) && parent.right === node || t.isSwitchStatement(parent) && parent.discriminant === node || t.isExpressionStatement(parent) && parent.expression === node) {
    return false;
  }
  return true;
}
function YieldExpression(node, parent) {
  return t.isBinary(parent) || t.isUnaryLike(parent) || hasPostfixPart(node, parent) || t.isAwaitExpression(parent) && t.isYieldExpression(node);
}
function ConditionalExpression(parent) && node === parent.test || isClassExtendsClause(node, parent);
function ClassExpression(node, parent, printStack) {
  return isFirstInStatement(printStack, { considerDefaultExports: true });
}
function UnaryLike(node, parent) {
  return hasPostfixPart(node, parent);
}

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t.isBinaryExpression(parent, {\n operator: \'\*\*',\n left: node\n }) || isClassExtendsClause(node,
parent);\n}\n\nfunction FunctionExpression(node, parent, printStack) {\n return isFirstInStatement(printStack, {\n
considerDefaultExports: true\n });\n}\n\nfunction ArrowFunctionExpression(node, parent) {\n return
t.isExportDeclaration(parent) || ConditionalExpression(node, parent);\n}\n\nfunction ConditionalExpression(node,
parent) {\n if (t.isUnaryLike(parent) || t.isBinary(parent) || t.isConditionalExpression(parent, {\n test: node\n }) ||
t.isAwaitExpression(parent) || t.isTSTypeAssertion(parent) || t.isTSAExpression(parent)) {\n return true;\n }\n\n
return UnaryLike(node, parent);\n}\n\nfunction OptionalMemberExpression(node, parent) {\n return
t.isCallExpression(parent, {\n callee: node\n }) || t.isMemberExpression(parent, {\n object: node\n
});\n}\n\nfunction AssignmentExpression(node, parent, printStack) {\n if (t.isObjectPattern(node.left)) {\n return
true;\n } else {\n return ConditionalExpression(node, parent, printStack);\n }}\n}\n\nfunction
LogicalExpression(node, parent) {\n switch (node.operator) {\n case \'\|\|':\n if (!t.isLogicalExpression(parent))
return false;\n return parent.operator === \'\?\?' || parent.operator === \'\&\&';\n\n case \'\&\&':\n return
t.isLogicalExpression(parent, {\n operator: \'\?\?' \n });\n\n case \'\?\?':\n return
t.isLogicalExpression(parent) && parent.operator !== \'\?\?';\n }}\n}\n\nfunction isFirstInStatement(printStack, {\n
considerArrow = false,\n considerDefaultExports = false\n } = {}) {\n let i = printStack.length - 1;\n let node =
printStack[i];\n i--;\n let parent = printStack[i];\n\n while (i >= 0) {\n if (t.isExpressionStatement(parent, {\n
expression: node\n }) || considerDefaultExports && t.isExportDefaultDeclaration(parent, {\n declaration:
node\n }) || considerArrow && t.isArrowFunctionExpression(parent, {\n body: node\n })) {\n return
true;\n }\n\n if (hasPostfixPart(node, parent) && !t.isNewExpression(parent) || t.isSequenceExpression(parent)
&& parent.expressions[0] === node || t.isConditional(parent, {\n test: node\n }) || t.isBinary(parent, {\n left:
node\n }) || t.isAssignmentExpression(parent, {\n left: node\n })) {\n node = parent;\n i--;\n parent =
printStack[i];\n } else {\n return false;\n }}\n}\n\n return false;\n },""use
strict";\n\nObject.defineProperty(exports, \'\_esModule\', {\n value: true\n});\n\nvar _templateLiterals =
require(\'/template-literals\');\n\nObject.keys(_templateLiterals).forEach(function (key) {\n if (key === \'\default\'
|| key === \'\_esModule\') return;\n if (key in exports && exports[key] === _templateLiterals[key]) return;\n
Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n return
_templateLiterals[key];\n }});\n});\n\nvar _expressions =
require(\'/expressions\');\n\nObject.keys(_expressions).forEach(function (key) {\n if (key === \'\default\' || key
=== \'\_esModule\') return;\n if (key in exports && exports[key] === _expressions[key]) return;\n
Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n return
_expressions[key];\n }});\n});\n\nvar _statements = require(\'/statements\');\n\nObject.keys(_statements).forEach(function (key) {\n
if (key === \'\default\' || key === \'\_esModule\') return;\n if (key in exports && exports[key] ===
_statements[key]) return;\n Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n
return _statements[key];\n }});\n});\n\nvar _classes =
require(\'/classes\');\n\nObject.keys(_classes).forEach(function (key) {\n if (key === \'\default\' || key ===
'\_esModule\') return;\n if (key in exports && exports[key] === _classes[key]) return;\n
Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n return
_classes[key];\n }});\n});\n\nvar _methods = require(\'/methods\');\n\nObject.keys(_methods).forEach(function (key) {\n
if (key === \'\default\' || key === \'\_esModule\') return;\n if (key in exports && exports[key] ===
_methods[key]) return;\n Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n
return _methods[key];\n }});\n});\n\nvar _modules =
require(\'/modules\');\n\nObject.keys(_modules).forEach(function (key) {\n if (key === \'\default\' || key ===
'\_esModule\') return;\n if (key in exports && exports[key] === _modules[key]) return;\n
Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n return
_modules[key];\n }});\n});\n\nvar _types = require(\'/types\');\n\nObject.keys(_types).forEach(function (key) {\n
if (key === \'\default\' || key === \'\_esModule\') return;\n if (key in exports && exports[key] ===
_types[key]) return;\n Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n
return _types[key];\n }});\n});\n\nvar _flow = require(\'/flow\');\n\nObject.keys(_flow).forEach(function (key) {\n
if (key === \'\default\'

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|| key === \"__esModule\") return;\n if (key in exports && exports[key] === _flow[key]) return;\n
Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n return _flow[key];\n }\n
});\n});\n\nvar _base = require(\"./base\");\n\nObject.keys(_base).forEach(function (key) {\n if (key === \"default\"
|| key === \"__esModule\") return;\n if (key in exports && exports[key] === _base[key]) return;\n
Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n return _base[key];\n }\n
});\n});\n\nvar _jsx = require(\"./jsx\");\n\nObject.keys(_jsx).forEach(function (key) {\n if (key === \"default\" ||
key === \"__esModule\") return;\n if (key in exports && exports[key] === _jsx[key]) return;\n
Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n return _jsx[key];\n }\n
});\n});\n\nvar _typescript = require(\"./typescript\");\n\nObject.keys(_typescript).forEach(function (key) {\n if (key
=== \"default\" || key === \"__esModule\") return;\n if (key in exports && exports[key] === _typescript[key])
return;\n Object.defineProperty(exports, key, {\n enumerable: true,\n get: function () {\n return
_typescript[key];\n }\n });\n});\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.TaggedTemplateExpression = TaggedTemplateExpression;\nexports.TemplateElement =
TemplateElement;\nexports.TemplateLiteral = TemplateLiteral;\n\nfunction TaggedTemplateExpression(node) {\n
this.print(node.tag, node);\n this.print(node.typeParameters, node);\n this.print(node.quasi, node);\n}\n\nfunction
TemplateElement(node, parent) {\n const isFirst = parent.quasis[0] === node;\n const isLast =
parent.quasis[parent.quasis.length - 1] === node;\n const value = (isFirst ? \"\\\" : \"'\") + node.value.raw + (isLast ?
\"\\\" : \"'$\");\n this.token(value);\n}\n\nfunction TemplateLiteral(node) {\n const quasis = node.quasis;\n\n for
(let i = 0; i < quasis.length; i++) {\n this.print(quasis[i], node);\n if (i + 1 < quasis.length) {\n
this.print(node.expressions[i], node);\n }\n }\n}\n\n\"use strict\";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\n\nexports.UnaryExpression = UnaryExpression;\nexports.DoExpression =
DoExpression;\nexports.ParenthesizedExpression = ParenthesizedExpression;\nexports.UpdateExpression =
UpdateExpression;\nexports.ConditionalExpression = ConditionalExpression;\nexports.NewExpression =
NewExpression;\nexports.SequenceExpression = SequenceExpression;\nexports.ThisExpression =
ThisExpression;\nexports.Super = Super;\nexports.Decorator = Decorator;\nexports.OptionalMemberExpression =
OptionalMemberExpression;\nexports.OptionalCallExpression = OptionalCallExpression;\nexports.CallExpression
= CallExpression;\nexports.Import = Import;\nexports.EmptyStatement =
EmptyStatement;\nexports.ExpressionStatement = ExpressionStatement;\nexports.AssignmentPattern =
AssignmentPattern;\nexports.LogicalExpression = exports.BinaryExpression = exports.AssignmentExpression =
AssignmentExpression;\nexports.BindExpression = BindExpression;\nexports.MemberExpression =
MemberExpression;\nexports.MetaProperty = MetaProperty;\nexports.PrivateName =
PrivateName;\nexports.V8IntrinsicIdentifier = V8IntrinsicIdentifier;\nexports.AwaitExpression =
exports.YieldExpression = void 0;\n\nvar t = _interopRequireWildcard(require(\"@babel/types\"));\n\nvar n =
_interopRequireWildcard(require(\"../node\"));\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
\"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj ===
null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction UnaryExpression(node) {\n if (node.operator === \"void\" ||
node.operator === \"delete\" || node.operator === \"typeof\" || node.operator === \"throw\") {\n
this.word(node.operator);\n this.space();\n } else {\n this.token(node.operator);\n }\n\n
this.print(node.argument, node);\n}\n\nfunction DoExpression(node) {\n this.word(\"do\");\n this.space();\n
this.print(node.body, node);\n}\n\nfunction ParenthesizedExpression(node) {\n this.token(\"(\");\n
this.print(node.expression, node);\n this.token(\")\");\n}\n\nfunction UpdateExpression(node) {\n if (node.prefix)

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{\n  this.token(node.operator);\n  this.print(node.argument, node);\n } else {\n  this.startTerminatorless(true);\n  this.print(node.argument, node);\n  this.endTerminatorless();\n  this.token(node.operator);\n }\n}\n\nfunction\nConditionalExpression(node) {\n  this.print(node.test, node);\n  this.space();\n  this.token("?");\n  this.space();\n  this.print(node.consequent, node);\n  this.space();\n  this.token(":");\n  this.space();\n  this.print(node.alternate,\n  node);\n}\n\nfunction NewExpression(node, parent) {\n  this.word("new");\n  this.space();\n  this.print(node.callee,\n  node);\n  \n  if (this.format.minified && node.arguments.length === 0 && !node.optional &&\n  !t.isCallExpression(parent, {\n  callee: node\n }) && !t.isMemberExpression(parent) &&\n  !t.isNewExpression(parent)) {\n    return;\n  }\n  \n  this.print(node.typeArguments, node);\n  \n  this.print(node.typeParameters, node);\n  \n  if (node.optional) {\n    this.token("?");\n  }\n  \n  this.token("(");\n  this.printList(node.arguments, node);\n  this.token(")");\n}\n\nfunction SequenceExpression(node) {\n  this.printList(node.expressions, node);\n}\n\nfunction ThisExpression() {\n  this.word("this");\n}\n\nfunction\nSuper() {\n  this.word("super");\n}\n\nfunction Decorator(node) {\n  this.token("@");\n  this.print(node.expression, node);\n  this.newline();\n}\n\nfunction OptionalMemberExpression(node) {\n  this.print(node.object, node);\n  \n  if (!node.computed && t.isMemberExpression(node.property)) {\n    throw new\n    TypeError("Got a MemberExpression for MemberExpression property");\n  }\n  \n  let computed =\n  node.computed;\n  \n  if (t.isLiteral(node.property) && typeof node.property.value === "number") {\n    computed\n    = true;\n  }\n  \n  if (node.optional) {\n    this.token("?.");\n  }\n  \n  if (computed) {\n    this.token("[");\n    this.print(node.property, node);\n    this.token("]");\n  } else {\n    if (!node.optional) {\n      this.token(".");\n    }\n    \n    this.print(node.property, node);\n  }\n}\n\nfunction OptionalCallExpression(node) {\n  this.print(node.callee,\n  node);\n  this.print(node.typeArguments, node);\n  this.print(node.typeParameters, node);\n  \n  if (node.optional) {\n    this.token("?.");\n  }\n  \n  this.token("(");\n  this.printList(node.arguments, node);\n  this.token(")");\n}\n\nfunction CallExpression(node) {\n  this.print(node.callee, node);\n  this.print(node.typeArguments, node);\n  this.print(node.typeParameters, node);\n  this.token("(");\n  this.printList(node.arguments, node);\n  this.token(")");\n}\n\nfunction Import() {\n  this.word("import");\n}\n\nfunction buildYieldAwait(keyword) {\n  return function (node) {\n    this.word(keyword);\n    \n    if (node.delegate) {\n      this.token("*");\n    }\n    \n    if (node.argument) {\n      this.space();\n      const terminatorState = this.startTerminatorless();\n      this.print(node.argument, node);\n      this.endTerminatorless(terminatorState);\n    }\n  }\n}\n\nconst YieldExpression =\nbuildYieldAwait("yield");\nexports.YieldExpression = YieldExpression;\nconst AwaitExpression =\nbuildYieldAwait("await");\nexports.AwaitExpression = AwaitExpression;\n\nfunction EmptyStatement() {\n  this.semicolon(true);\n}\n\nfunction ExpressionStatement(node) {\n  this.print(node.expression, node);\n  this.semicolon();\n}\n\nfunction AssignmentPattern(node) {\n  this.print(node.left, node);\n  \n  if (node.left.optional)\n  this.token("?");\n  \n  this.print(node.left.typeAnnotation, node);\n  this.space();\n  this.token("=");\n  this.space();\n  this.print(node.right, node);\n}\n\nfunction AssignmentExpression(node, parent) {\n  const parens =\n  this.inForStatementInitCounter && node.operator === "in" && !n.needsParens(node, parent);\n  \n  if (parens) {\n    this.token("(");\n  }\n  \n  this.print(node.left, node);\n  this.space();\n  \n  if (node.operator === "in" || node.operator\n  === "instanceof") {\n    this.word(node.operator);\n  } else {\n    this.token(node.operator);\n  }\n  \n  this.space();\n  this.print(node.right, node);\n  \n  if (parens) {\n    this.token(")");\n  }\n}\n\nfunction BindExpression(node) {\n  this.print(node.object, node);\n  this.token(":");\n  this.print(node.callee, node);\n}\n\nfunction\nMemberExpression(node) {\n  this.print(node.object, node);\n  \n  if (!node.computed &&\n  t.isMemberExpression(node.property)) {\n    throw new\n    TypeError("Got a MemberExpression for\n    MemberExpression property");\n  }\n  \n  let computed = node.computed;\n  \n  if (t.isLiteral(node.property) &&\n  typeof node.property.value === "number") {\n    computed = true;\n  }\n  \n  if (computed) {\n    this.token("[");\n    this.print(node.property, node);\n    this.token("]");\n  } else {\n    this.token(".");\n    this.print(node.property,\n    node);\n  }\n}\n\nfunction MetaProperty(node) {\n  this.print(node.meta, node);\n  this.token(".");\n  this.print(node.property, node);\n}\n\nfunction PrivateName(node) {\n  this.token("#");\n  this.print(node.id,\n  node);\n}\n\nfunction V8IntrinsicIdentifier(node) {\n  this.token("%");\n  this.word(node.name);\n  \n  if ("use\n  strict";\n  \n  Object.defineProperty(exports, "__esModule", {\n  value: true\n }));\n  exports.WithStatement =

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WithStatement;\nexports.IfStatement = IfStatement;\nexports.ForStatement =
ForStatement;\nexports.WhileStatement = WhileStatement;\nexports.DoWhileStatement =
DoWhileStatement;\nexports.LabeledStatement = LabeledStatement;\nexports.TryStatement =
TryStatement;\nexports.CatchClause = CatchClause;\nexports.SwitchStatement =
SwitchStatement;\nexports.SwitchCase = SwitchCase;\nexports.DebuggerStatement =
DebuggerStatement;\nexports.VariableDeclaration = VariableDeclaration;\nexports.VariableDeclarator =
VariableDeclarator;\nexports.ThrowStatement = exports.BreakStatement = exports.ReturnStatement =
exports.ContinueStatement = exports.ForOfStatement = exports.ForInStatement = void 0;\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nfunction _interopRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _interopRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var
cache = _interopRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction WithStatement(node) {\n  this.word(\"with\");\n  this.space();\n  this.token(\"(\");\n  this.print(node.object, node);\n  this.token(\")\");\n  this.printBlock(node);\n}\n\nfunction IfStatement(node) {\n  this.word(\"if\");\n  this.space();\n  this.token(\"(\");\n  this.print(node.test, node);\n  this.token(\")\");\n  this.space();\n  const needsBlock = node.alternate &&
t.isIfStatement(getLastStatement(node.consequent));\n  if (needsBlock) {\n    this.token(\"{\");\n    this.newline();\n    this.indent();\n  }\n  this.printAndIndentOnComments(node.consequent, node);\n  if
(needsBlock) {\n    this.dedent();\n    this.newline();\n    this.token(\")\");\n  }\n  if (node.alternate) {\n    if
(this.endsWith(\"}\")) this.space();\n    this.word(\"else\");\n    this.space();\n    this.printAndIndentOnComments(node.alternate, node);\n  }\n}\n\nfunction getLastStatement(statement) {\n  if
(!t.isStatement(statement.body)) return statement;\n  return getLastStatement(statement.body);\n}\n\nfunction
ForStatement(node) {\n  this.word(\"for\");\n  this.space();\n  this.token(\"(\");\n  this.inForStatementInitCounter++;\n  this.print(node.init, node);\n  this.inForStatementInitCounter--;\n  this.token(\");\");\n  if (node.test) {\n    this.space();\n    this.print(node.test, node);\n  }\n  this.token(\";\");\n  if
(node.update) {\n    this.space();\n    this.print(node.update, node);\n  }\n  this.token(\")\");\n  this.printBlock(node);\n}\n\nfunction WhileStatement(node) {\n  this.word(\"while\");\n  this.space();\n  this.token(\"(\");\n  this.print(node.test, node);\n  this.token(\")\");\n  this.printBlock(node);\n}\n\nconst
buildForXStatement = function (op) {\n  return function (node) {\n    this.word(\"for\");\n    this.space();\n    if (op
=== \"of\" && node.await) {\n      this.word(\"await\");\n      this.space();\n    }\n    this.token(\"(\");\n    this.print(node.left, node);\n    this.space();\n    this.word(op);\n    this.space();\n    this.print(node.right, node);\n    this.token(\")\");\n    this.printBlock(node);\n  }; }\n}\n\nconst ForInStatement =
buildForXStatement(\"in\");\n\nexports.ForInStatement = ForInStatement;\n\nconst ForOfStatement =
buildForXStatement(\"of\");\n\nexports.ForOfStatement = ForOfStatement;\n\nfunction DoWhileStatement(node) {\n  this.word(\"do\");\n  this.space();\n  this.print(node.body, node);\n  this.space();\n  this.word(\"while\");\n  this.space();\n  this.token(\"(\");\n  this.print(node.test, node);\n  this.token(\")\");\n  this.semicolon();\n}\n\nfunction
buildLabeledStatement(prefix, key = \"label\") {\n  return function (node) {\n    this.word(prefix);\n    const label =
node[key];\n    if (label) {\n      this.space();\n      const isLabel = key === \"label\";\n      const terminatorState =
this.startTerminatorless(isLabel);\n      this.print(label, node);\n      this.endTerminatorless(terminatorState);\n    }\n    this.semicolon();\n  }; }\n}\n\nconst ContinueStatement =
buildLabeledStatement(\"continue\");\n\nexports.ContinueStatement = ContinueStatement;\n\nconst ReturnStatement =
buildLabeledStatement(\"return\", \"argument\");\n\nexports.ReturnStatement = ReturnStatement;\n\nconst
BreakStatement = buildLabeledStatement(\"break\");\n\nexports.BreakStatement = BreakStatement;\n\nconst

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ThrowStatement = buildLabelStatement("throw", "argument");\nexports.ThrowStatement =
ThrowStatement;\n\nfunction LabeledStatement(node) {\n  this.print(node.label, node);\n  this.token("(");\n  this.space();\n  this.print(node.body, node);\n}\n\nfunction TryStatement(node) {\n  this.word("try");\n  this.space();\n  this.print(node.block, node);\n  this.space();\n\n  if (node.handlers) {\n    this.print(node.handlers[0],\n    node);\n  } else {\n    this.print(node.handler, node);\n  }\n\n  if (node.finalizer) {\n    this.space();\n    this.word("finally");\n    this.space();\n    this.print(node.finalizer, node);\n  }\n}\n\nfunction CatchClause(node)\n{\n  this.word("catch");\n  this.space();\n\n  if (node.param) {\n    this.token("(");\n    this.print(node.param,\n    node);\n    this.print(node.param.typeAnnotation, node);\n    this.token(")");\n    this.space();\n  }\n\n  this.print(node.body, node);\n}\n\nfunction SwitchStatement(node) {\n  this.word("switch");\n  this.space();\n  this.token("(");\n  this.print(node.discriminant, node);\n  this.token(")");\n  this.space();\n  this.token("{");\n  this.printSequence(node.cases, node, {\n    indent: true,\n\n    addNewlines(leading, cas) {\n      if (!leading &&\n      node.cases[node.cases.length - 1] === cas) return -1;\n    }\n  });\n  this.token("}");\n}\n\nfunction\nSwitchCase(node) {\n  if (node.test) {\n    this.word("case");\n    this.space();\n    this.print(node.test, node);\n    this.token(":");\n  } else {\n    this.word("default");\n    this.token(":");\n  }\n\n  if (node.consequent.length) {\n    this.newline();\n    this.printSequence(node.consequent, node, {\n      indent: true\n    });\n  }\n}\n\nfunction\nDebuggerStatement() {\n  this.word("debugger");\n  this.semicolon();\n}\n\nfunction variableDeclarationIndent()\n{\n  this.token(",");\n  this.newline();\n  if (this.endsWith("\\n")) for (let i = 0; i < 4; i++)\n  this.space(true);\n}\n\nfunction constDeclarationIndent() {\n  this.token(",");\n  this.newline();\n  if\n  (this.endsWith("\\n")) for (let i = 0; i < 6; i++) this.space(true);\n}\n\nfunction VariableDeclaration(node, parent)\n{\n  if (node.declare) {\n    this.word("declare");\n    this.space();\n  }\n\n  this.word(node.kind);\n  this.space();\n\n  let hasInits = false;\n\n  if (!t.isFor(parent)) {\n    for (const declar of node.declarations) {\n      if (declar.init) {\n        hasInits = true;\n      }\n    }\n  }\n\n  let separator;\n\n  if (hasInits) {\n    separator = node.kind === "const" ?\n    constDeclarationIndent : variableDeclarationIndent;\n  }\n\n  this.printList(node.declarations, node, {\n    separator\n  });\n\n  if (t.isFor(parent)) {\n    if (parent.left === node || parent.init === node) return;\n  }\n\n  this.semicolon();\n}\n\nfunction VariableDeclarator(node) {\n  this.print(node.id, node);\n  if (node.definite)\n  this.token("!");\n  this.print(node.id.typeAnnotation, node);\n\n  if (node.init) {\n    this.space();\n    this.token("=");\n    this.space();\n    this.print(node.init, node);\n  }\n}\n\n"use\nstrict";\n\nObject.defineProperty(exports, "__esModule", {\n  value: true\n});\n\nexports.ClassExpression =\nexports.ClassDeclaration = ClassDeclaration;\nexports.ClassBody = ClassBody;\nexports.ClassProperty =\nClassProperty;\nexports.ClassPrivateProperty = ClassPrivateProperty;\nexports.ClassMethod =\nClassMethod;\nexports.ClassPrivateMethod = ClassPrivateMethod;\nexports._classMethodHead =\n_classMethodHead;\nexports.StaticBlock = StaticBlock;\n\nvar t =\n_interopRequireWildcard(require("@babel/types")); \n\nfunction _getRequireWildcardCache() { if (typeof\nWeakMap !== "function") return null; var cache = new WeakMap();\n_getRequireWildcardCache = function () { return cache; }; return\n  cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return\n  obj; } if (obj === null || typeof obj !== "object" && typeof obj\n  !== "function") { return { default: obj }; } var cache =\n  _getRequireWildcardCache(); if (cache && cache.has(obj)) { return\n  cache.get(obj); } var newObj = {}; var hasPropertyDescriptor =\n  Object.defineProperty && Object.getOwnPropertyDescriptor; for\n  (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj,\n  key)) { var desc = hasPropertyDescriptor ?\n  Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get\n  || desc.set)) {\n  Object.defineProperty(newObj, key, desc); } else { newObj[key] =\n  obj[key]; } } } newObj.default = obj; if (cache) {\n  cache.set(obj, newObj); } return newObj; }\n\nfunction ClassDeclaration(node, parent) {\n  if\n  (!this.format.decoratorsBeforeExport || !t.isExportDefaultDeclaration(parent) &&\n  !t.isExportNamedDeclaration(parent)) {\n    this.printJoin(node.decorators, node);\n  }\n\n  if (node.declare) {\n    this.word("declare");\n    this.space();\n  }\n\n  if (node.abstract) {\n    this.word("abstract");\n    this.space();\n  }\n\n  this.word("class");\n\n  if (node.id) {\n    this.space();\n    this.print(node.id, node);\n  }\n\n  this.print(node.typeParameters, node);\n\n  if (node.superClass) {\n    this.space();\n    this.word("extends");\n    this.space();\n    this.print(node.superClass, node);\n    this.print(node.superTypeParameters, node);\n  }\n\n  if

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(node.implements) {\n  this.space();\n  this.word(\"implements\");\n  this.space();\n  this.printList(node.implements, node);\n  }\n\n  this.space();\n  this.print(node.body, node);\n  }\n\nfunction
ClassBody(node) {\n  this.token(\"{\");\n  this.printInnerComments(node);\n\n  if (node.body.length === 0) {\n
  this.token(\"}\");\n  } else {\n  this.newline();\n  this.indent();\n  this.printSequence(node.body, node);\n
  this.dedent();\n  if (!this.endsWith(\"\\n\")) this.newline();\n  this.rightBrace();\n  }\n\nfunction
ClassProperty(node) {\n  this.printJoin(node.decorators, node);\n  this.tsPrintClassMemberModifiers(node,
true);\n\n  if (node.computed) {\n  this.token(\"[\");\n  this.print(node.key, node);\n  this.token(\"]\");\n  } else {\n
  this._variance(node);\n\n  this.print(node.key, node);\n  }\n\n  if (node.optional) {\n  this.token(\"?\");\n  }\n\n  if
(node.definite) {\n  this.token(\"!\");\n  }\n\n  this.print(node.typeAnnotation, node);\n\n  if (node.value) {\n
  this.space();\n  this.token(\"=\");\n  this.space();\n  this.print(node.value, node);\n  }\n\n  this.semicolon();\n
}\n\nfunction ClassPrivateProperty(node) {\n  this.printJoin(node.decorators, node);\n\n  if (node.static) {\n
  this.word(\"static\");\n  this.space();\n  }\n\n  this.print(node.key, node);\n
  this.print(node.typeAnnotation, node);\n\n  if (node.value) {\n  this.space();\n  this.token(\"=\");\n  this.space();\n
  this.print(node.value, node);\n  }\n\n  this.semicolon();\n  }\n\nfunction ClassMethod(node) {\n
  this._classMethodHead(node);\n\n  this.space();\n  this.print(node.body, node);\n  }\n\nfunction
ClassPrivateMethod(node) {\n  this._classMethodHead(node);\n\n  this.space();\n  this.print(node.body,
node);\n  }\n\nfunction _classMethodHead(node) {\n  this.printJoin(node.decorators, node);\n
  this.tsPrintClassMemberModifiers(node, false);\n\n  this._methodHead(node);\n  }\n\nfunction StaticBlock(node) {\n
  this.word(\"static\");\n  this.space();\n  this.token(\"{\");\n\n  if (node.body.length === 0) {\n  this.token(\"}\");\n
  } else {\n  this.newline();\n  this.printSequence(node.body, node, {\n    indent: true\n  });\n  this.rightBrace();\n
  }\n  }\", \"use strict\";\n\n  Object.defineProperty(exports, \"__esModule\", {\n    value: true\n  });\n  exports._params =
_params;\n  exports._parameters = _parameters;\n  exports._param = _param;\n  exports._methodHead =
_methodHead;\n  exports._predicate = _predicate;\n  exports._functionHead =
_functionHead;\n  exports.FunctionDeclaration = exports.FunctionExpression =
FunctionExpression;\n  exports.ArrowFunctionExpression = ArrowFunctionExpression;\n\n  var t =
_interopRequireWildcard(require(\"@babel/types\"));\n\n  function _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\n  function _interopRequireWildcard(obj) { if (obj && obj.__esModule) {
return obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return {
default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return
cache.get(obj); } var newObj = {}; var hasPropertyDescriptor = Object.defineProperty &&
Object.getOwnPropertyDescriptor; for (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj,
key)) { var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null; if (desc &&
(desc.get || desc.set)) { Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } }
newObj.default = obj; if (cache) { cache.set(obj, newObj); } return newObj; }\n\n  function _params(node) {\n
  this.print(node.typeParameters, node);\n\n  this.token(\"(\");\n\n  this._parameters(node.params, node);\n\n
  this.token(\")\");\n  this.print(node.returnType, node);\n  }\n\n  function _parameters(parameters, parent) {\n
  for (let i = 0; i < parameters.length; i++) {\n  this._param(parameters[i], parent);\n\n  if (i <
parameters.length - 1) {\n  this.token(\",\");\n  this.space();\n  }\n  }\n  }\n\n  function _param(parameter,
parent) {\n  this.printJoin(parameter.decorators, parameter);\n  this.print(parameter, parent);\n  if
(parameter.optional) this.token(\"?\");\n  this.print(parameter.typeAnnotation, parameter);\n  }\n\n  function
_methodHead(node) {\n  const kind = node.kind;\n  const key = node.key;\n\n  if (kind === \"get\" || kind ===
\"set\") {\n  this.word(kind);\n  this.space();\n  }\n\n  if (node.async) {\n  this._catchUp(\"start\",
key.loc);\n\n  this.word(\"async\");\n  this.space();\n  }\n\n  if (kind === \"method\" || kind === \"init\") {\n
  if (node.generator) {\n  this.token(\"*\");\n  }\n  }\n\n  if (node.computed) {\n  this.token(\"[\");\n
  this.print(key, node);\n  this.token(\"]\");\n  } else {\n  this.print(key, node);\n  }\n\n  if
(node.optional) {\n  this.token(\"?\");\n  }\n\n  this._params(node);\n  }\n\n  function _predicate(node) {\n
  if (node.predicate) {\n  if (!node.returnType) {\n  this.token(\":\");\n  }\n\n  this.space();\n
  this.print(node.predicate, node);\n  }\n  }\n\n  function _functionHead(node) {\n  if (node.async) {\n

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this.word('\`async\`');\n  this.space();\n } \n\n this.word("\`function\`");\n if (node.generator) this.token("\`*\`");\n
this.space();\n\n if (node.id) {\n  this.print(node.id, node);\n } \n\n this._params(node);\n\n
this._predicate(node);\n}\n\nfunction FunctionExpression(node) {\n  this._functionHead(node);\n\n  this.space();\n
this.print(node.body, node);\n}\n\nfunction ArrowFunctionExpression(node) {\n  if (node.async) {\n
this.word('\`async\`');\n  this.space();\n } \n\n  const firstParam = node.params[0];\n\n  if (node.params.length === 1
&& t.isIdentifier(firstParam) && !hasTypes(node, firstParam)) {\n    if (((this.format.retainLines || node.async) &&
node.loc && node.body.loc && node.loc.start.line < node.body.loc.start.line) {\n      this.token("\`(\`");\n\n      if
(firstParam.loc && firstParam.loc.start.line > node.loc.start.line) {\n        this.indent();\n        this.print(firstParam,
node);\n        this.dedent();\n\n        this._catchUp("\`start\`", node.body.loc);\n      } else {\n        this.print(firstParam,
node);\n      } \n\n      this.token("\`)\`");\n    } else {\n      this.print(firstParam, node);\n    } \n } else {\n
this._params(node);\n } \n\n  this._predicate(node);\n\n  this.space();\n  this.token("\`=>\`");\n  this.space();\n
this.print(node.body, node);\n}\n\nfunction hasTypes(node, param) {\n  return node.typeParameters ||
node.returnType || param.typeAnnotation || param.optional || param.trailingComments;\n},"use strict";\n\nconst
object = {};\n\nconst hasOwnProperty = object.hasOwnProperty;\n\nconst forOwn = (object, callback) => {\n\n  for
(const key in object) {\n\n    if (hasOwnProperty.call(object, key)) {\n\n      callback(key,
object[key]);\n    }\n  }\n\n  return object;\n}\n\nconst extend = (destination, source) => {\n\n  if (!source)
return destination;\n\n  forOwn(source, (key, value) => {\n\n    destination[key] = value;\n  });\n\n  return
destination;\n}\n\nconst forEach = (array, callback) => {\n\n  const length = array.length;\n\n  let index = -1;\n\n  while
(++index < length) {\n\n    callback(array[index]);\n  }\n\n  return array;\n}\n\nconst toString = object.toString;\n\nconst isArray =
Array.isArray;\n\nconst isBuffer = Buffer.isBuffer;\n\nconst isObject = (value) => {\n\n  // This is a very simple check,
but it's good enough for what we need.\n\n  return toString.call(value) === '[object Object]';\n}\n\nconst isString =
(value) => {\n\n  return typeof value === 'string' || toString.call(value) === '[object String]';\n}\n\nconst isNumber =
(value) => {\n\n  return typeof value === 'number' || toString.call(value) === '[object Number]';\n}\n\nconst
isFunction = (value) => {\n\n  return typeof value === 'function';\n}\n\nconst isMap = (value) => {\n\n  return
toString.call(value) === '[object Map]';\n}\n\nconst isSet = (value) => {\n\n  return toString.call(value) === '[object
Set]';\n}\n\n/*-----*/\n\nhttps://mathiasbynens.be/notes/javascript-escapes#single\n\nconst singleEscapes = {\n\n  "'": '\\\`"',\n
  "\`": '\\\`',\n\n  "\b": '\\\`b',\n\n  "\f": '\\\`f',\n\n  "\n": '\\\`n',\n\n  "\r": '\\\`r',\n\n  "\t": '\\\`t',\n\n  "\v": '\\\`v'};\n\n// 'v' is omitted intentionally, because in IE < 9, '\`v' === 'v'.\n\nconst regexSingleEscape =
/[\`\\\\b\\\\f\\\\n\\\\r\\\\t\\\\v]/;\n\nconst regexDigit = /[0-9]/;\n\nconst regexWhitelist = /[\`!#-&\\(-[\\]_`a~]/;\n\nconst jsesc =
(argument, options) => {\n\n  const increaseIndentation = () => {\n\n    let oldIndent =
indent;\n\n    indent += options.indentLevel;\n\n    indent = options.indent.repeat(options.indentLevel);\n  }\n\n  // Handle
options\n\n  const defaults = {\n\n    'escapeEverything': false,\n\n    'minimal': false,\n\n    'isScriptContext':
false,\n\n    'quotes': 'single',\n\n    'wrap': false,\n\n    'es6': false,\n\n    'json': false,\n\n    'compact': true,\n\n    'lowercaseHex':
false,\n\n    'numbers': 'decimal',\n\n    'indent': '\\\`',\n\n    'indentLevel': 0,\n\n    '__inline1__': false,\n\n    '__inline2__':
false\n  };\n\n  const json = options && options.json;\n\n  if (json) {\n\n    defaults.quotes = 'double';\n\n    defaults.wrap =
true;\n  }\n\n  options = extend(defaults, options);\n\n  if (options.quotes !== 'single' && options.quotes !==
'double' && options.quotes !== 'backtick') {\n\n    options.quotes = 'single';\n  }\n\n  const quote = options.quotes
=== 'double' ? '\\\`"' : '\\\`'\`';\n\n  const compact = options.compact;\n\n  const lowercaseHex = options.lowercaseHex;\n\n  let indent =
options.indent.repeat(options.indentLevel);\n\n  let oldIndent = ";\n\n  const inline1 = options.__inline1__;\n\n  const
inline2 = options.__inline2__;\n\n  const newLine = compact ? '\\\`\\n' : '\\\`\\n';\n\n  let result;\n\n  let isEmpty = true;\n\n  const
useBinNumbers = options.numbers === 'binary';\n\n  const useOctNumbers = options.numbers === 'octal';\n\n  const
useDecNumbers = options.numbers === 'decimal';\n\n  const useHexNumbers = options.numbers ===
'hexadecimal';\n\n  if (json && argument && isFunction(argument.toJSON)) {\n\n    argument =
argument.toJSON();\n  }\n\n  if (!isString(argument)) {\n\n    if (isMap(argument)) {\n\n      if (argument.size === 0)
{\n\n        return 'new Map()';\n      }\n\n      if (!compact) {\n\n        options.__inline1__ =
true;\n\n        options.__inline2__ = false;\n      }\n\n      return 'new Map(' + jsesc(Array.from(argument), options) +

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    ');
    if (isSet(argument)) {
        if (argument.size === 0) {
            return 'new Set()';
        }
        return 'new Set(' + jse(Array.from(argument), options) + ')';
    }
    if (isBuffer(argument)) {
        if (argument.length === 0) {
            return 'Buffer.from([])';
        }
        return 'Buffer.from(' + jse(Array.from(argument), options) + ')';
    }
    if (isArray(argument)) {
        let result = [];
        let options = { wrap: true };
        if (inline1) {
            options.__inline1__ = false;
            options.__inline2__ = true;
        }
        if (!inline2) {
            increaseIndentation();
        }
        forEach(argument, (value) => {
            if (isEmpty = false) {
                if (inline2) {
                    options.__inline2__ = false;
                }
                result.push(compact || inline2 ? " : indent) + jse(value, options);
            }
            if (isEmpty) {
                return '[';
            }
            if (inline2) {
                return '[' + result.join(', ') + '];';
            }
            return '[' + newLine + result.join(', ') + newLine + (compact ? " : oldIndent) + '];';
        }
        if (isNumber(argument)) {
            if (json) {
                // Some number values (e.g. `Infinity`) cannot be represented in JSON.
                return JSON.stringify(argument);
            }
            if (useDecNumbers) {
                return String(argument);
            }
            if (useHexNumbers) {
                let hexadecimal = argument.toString(16);
                if (!lowercaseHex) {
                    hexadecimal = hexadecimal.toUpperCase();
                }
                return '0x' + hexadecimal;
            }
            if (useBinNumbers) {
                return '0b' + argument.toString(2);
            }
            if (useOctNumbers) {
                return '0o' + argument.toString(8);
            }
        }
        if (!isObject(argument)) {
            if (json) {
                // For some values (e.g. `undefined`, `function` objects), `JSON.stringify(value)` returns `undefined` (which isn't valid JSON) instead of `null`.
                return JSON.stringify(argument) || 'null';
            }
            return String(argument);
        }
        else { // it's an object
            result = [];
            options.wrap = true;
            increaseIndentation();
            forOwn(argument, (key, value) => {
                if (isEmpty = false) {
                    result.push(compact ? " : indent) + jse(key, options) + ':' + (compact ? " : " + jse(value, options));
                }
                if (isEmpty) {
                    return '{';
                }
                return '{' + newLine + result.join(', ') + newLine + (compact ? " : oldIndent) + '};';
            }
            const string = argument;
            // Loop over each code unit in the string and escape it
            let index = -1;
            const length = string.length;
            let result = "";
            while (++index < length) {
                const character = string.charAt(index);
                if (options.es6) {
                    const first = string.charCodeAt(index);
                    // check if it's the start of a surrogate pair
                    if (first >= 0xD800 && first <= 0xDBFF && // high surrogate
                        length > index + 1 // there is a next code unit
                    ) {
                        const second = string.charCodeAt(index + 1);
                        if (second >= 0xDC00 && second <= 0xDFFF) { // low surrogate
                            // https://mathiasbynens.be/notes/javascript-encoding#surrogate-formulae
                            const codePoint = (first - 0xD800) * 0x400 + second - 0xDC00 + 0x10000;
                            let hexadecimal = codePoint.toString(16);
                            if (!lowercaseHex) {
                                hexadecimal = hexadecimal.toUpperCase();
                            }
                            hexadecimal += '\\u{' + hexadecimal + '}';
                            index++;
                            continue;
                        }
                    }
                }
                if (!options.escapeEverything) {
                    if (regexWhitelist.test(character)) {
                        // It's a printable ASCII character that is not `\"`, `\'` or `\\`, so don't escape it.
                        result += character;
                        continue;
                    }
                    if (character === "\") {
                        result += quote === character ? "\\\\" : character;
                        continue;
                    }
                    if (character === "'") {
                        result += quote === character ? "\\'" : character;
                        continue;
                    }
                    if (character === "\\") {
                        result += quote === character ? "\\\\" : character;
                        continue;
                    }
                    if (character === "\0" && !json && !regexDigit.test(string.charAt(index + 1))) {
                        result += "\\0";
                        continue;
                    }
                    if (regexSingleEscape.test(character)) {
                        // no need for a `hasOwnProperty` check here
                        result += singleEscapes[character];
                        continue;
                    }
                    const charCode = character.charCodeAt(0);
                    if (options.minimal && charCode !== 0x2028 && charCode !== 0x2029) {
                        result += character;
                        continue;
                    }
                    let hexadecimal = charCode.toString(16);
                    if (!lowercaseHex) {
                        hexadecimal = hexadecimal.toUpperCase();
                    }
                    const longhand = hexadecimal.length > 2 || json;
                    const escaped = '\\(' + (longhand ? 'u' : 'x') + string.charCodeAt(0) + hexadecimal).slice(longhand ? -4 : -2);
                    result += escaped;
                    continue;
                }
                if (options.wrap) {
                    result = quote + result + quote;
                }
                if (quote === "`") {
                    result = result.replace(/\\\$\/g, '\\\\\$\\{');
                }
                if (options.isScriptContext) {
                    // https://mathiasbynens.be/notes/etago
                    result = result.replace(/<\/(script|style)/gi, '<\\\$1');
                    result = result.replace(/<!--

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-/g, json ? '\\\\u003C!--' : '\\\\x3C!--');\n\t}\n\treturn result;\n};\n\njsesc.version = '2.5.2';\n\nmodule.exports =
jsesc;\n", "\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.AnyTypeAnnotation = AnyTypeAnnotation;\nexports.ArrayTypeAnnotation =
ArrayTypeAnnotation;\nexports.BooleanTypeAnnotation =
BooleanTypeAnnotation;\nexports.BooleanLiteralTypeAnnotation =
BooleanLiteralTypeAnnotation;\nexports.NullLiteralTypeAnnotation =
NullLiteralTypeAnnotation;\nexports.DeclareClass = DeclareClass;\nexports.DeclareFunction =
DeclareFunction;\nexports.InferredPredicate = InferredPredicate;\nexports.DeclaredPredicate =
DeclaredPredicate;\nexports.DeclareInterface = DeclareInterface;\nexports.DeclareModule =
DeclareModule;\nexports.DeclareModuleExports = DeclareModuleExports;\nexports.DeclareTypeAlias =
DeclareTypeAlias;\nexports.DeclareOpaqueType = DeclareOpaqueType;\nexports.DeclareVariable =
DeclareVariable;\nexports.DeclareExportDeclaration =
DeclareExportDeclaration;\nexports.DeclareExportAllDeclaration =
DeclareExportAllDeclaration;\nexports.EnumDeclaration = EnumDeclaration;\nexports.EnumBooleanBody =
EnumBooleanBody;\nexports.EnumNumberBody = EnumNumberBody;\nexports.EnumStringBody =
EnumStringBody;\nexports.EnumSymbolBody = EnumSymbolBody;\nexports.EnumDefaultedMember =
EnumDefaultedMember;\nexports.EnumBooleanMember = EnumBooleanMember;\nexports.EnumNumberMember
= EnumNumberMember;\nexports.EnumStringMember = EnumStringMember;\nexports.ExistsTypeAnnotation =
ExistsTypeAnnotation;\nexports.FunctionTypeAnnotation =
FunctionTypeAnnotation;\nexports.FunctionTypeParam = FunctionTypeParam;\nexports.GenericTypeAnnotation =
exports.ClassImplements = exports.InterfaceExtends = InterfaceExtends;\nexports._interfaceish =
_interfaceish;\nexports._variance = _variance;\nexports.InterfaceDeclaration =
InterfaceDeclaration;\nexports.InterfaceTypeAnnotation =
InterfaceTypeAnnotation;\nexports.IntersectionTypeAnnotation =
IntersectionTypeAnnotation;\nexports.MixedTypeAnnotation =
MixedTypeAnnotation;\nexports.EmptyTypeAnnotation =
EmptyTypeAnnotation;\nexports.NullableTypeAnnotation =
NullableTypeAnnotation;\nexports.NumberTypeAnnotation =
NumberTypeAnnotation;\nexports.StringTypeAnnotation = StringTypeAnnotation;\nexports.ThisTypeAnnotation =
ThisTypeAnnotation;\nexports.TupleTypeAnnotation = TupleTypeAnnotation;\nexports.TypeofTypeAnnotation =
TypeofTypeAnnotation;\nexports.TypeAlias = TypeAlias;\nexports.TypeAnnotation =
TypeAnnotation;\nexports.TypeParameterDeclaration = exports.TypeParameterInstantiation =
TypeParameterInstantiation;\nexports.TypeParameter = TypeParameter;\nexports.OpaqueType =
OpaqueType;\nexports.ObjectTypeAnnotation = ObjectTypeAnnotation;\nexports.ObjectTypeInternalSlot =
ObjectTypeInternalSlot;\nexports.ObjectTypeCallProperty = ObjectTypeCallProperty;\nexports.ObjectTypeIndexer
= ObjectTypeIndexer;\nexports.ObjectTypeProperty = ObjectTypeProperty;\nexports.ObjectTypeSpreadProperty =
ObjectTypeSpreadProperty;\nexports.QualifiedTypeIdentifier =
QualifiedTypeIdentifier;\nexports.SymbolTypeAnnotation =
SymbolTypeAnnotation;\nexports.UnionTypeAnnotation = UnionTypeAnnotation;\nexports.TypeCastExpression =
TypeCastExpression;\nexports.Variance = Variance;\nexports.VoidTypeAnnotation =
VoidTypeAnnotation;\n\nObject.defineProperty(exports, \"NumberLiteralTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _types2.NumericLiteral;\n }\n});\n\nObject.defineProperty(exports,
\"StringLiteralTypeAnnotation\", {\n enumerable: true,\n get: function () {\n return _types2.StringLiteral;\n
}\n});\n\n\nvar t = _interopRequireWildcard(require(\"@babel/types\"));\n\nvar _modules =
require(\"./modules\");\n\nvar _types2 = require(\"./types\");\n\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var

```

```

cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }
\n\nfunction AnyTypeAnnotation() {\n
this.word("\`any\`");\n}\n\nfunction ArrayTypeAnnotation(node) {\n this.print(node.elementType, node);\n
this.token("\`[\`");\n this.token("\`]");\n}\n\nfunction BooleanTypeAnnotation() {\n
this.word("\`boolean\`");\n}\n\nfunction BooleanLiteralTypeAnnotation(node) {\n this.word(node.value ? "\`true\`" :
"\`false\`");\n}\n\nfunction NullLiteralTypeAnnotation() {\n this.word("\`null\`");\n}\n\nfunction DeclareClass(node,
parent) {\n if (!t.isDeclareExportDeclaration(parent)) {\n this.word("\`declare\`");\n this.space();\n }\n\n
this.word("\`class\`");\n this.space();\n\n this._interfaceish(node);\n}\n\nfunction DeclareFunction(node, parent) {\n
if (!t.isDeclareExportDeclaration(parent)) {\n this.word("\`declare\`");\n this.space();\n }\n\n
this.word("\`function\`");\n this.space();\n this.print(node.id, node);\n
this.print(node.id.typeAnnotation.typeAnnotation, node);\n\n if (node.predicate) {\n this.space();\n
this.print(node.predicate, node);\n }\n\n this.semicolon();\n}\n\nfunction InferredPredicate() {\n
this.token("\`%\`");\n this.word("\`checks\`");\n}\n\nfunction DeclaredPredicate(node) {\n this.token("\`%\`");\n
this.word("\`checks\`");\n this.token("\`(\`");\n this.print(node.value, node);\n this.token("\`)");\n}\n\nfunction
DeclareInterface(node) {\n this.word("\`declare\`");\n this.space();\n this.InterfaceDeclaration(node);\n}\n\nfunction
DeclareModule(node) {\n this.word("\`declare\`");\n this.space();\n this.word("\`module\`");\n this.space();\n
this.print(node.id, node);\n this.space();\n this.print(node.body, node);\n}\n\nfunction
DeclareModuleExports(node) {\n this.word("\`declare\`");\n this.space();\n this.word("\`module\`");\n
this.token("\`.\`");\n this.word("\`exports\`");\n this.print(node.typeAnnotation, node);\n}\n\nfunction
DeclareTypeAlias(node) {\n this.word("\`declare\`");\n this.space();\n this.TypeAlias(node);\n}\n\nfunction
DeclareOpaqueType(node, parent) {\n if (!t.isDeclareExportDeclaration(parent)) {\n this.word("\`declare\`");\n
this.space();\n }\n\n this.OpaqueType(node);\n}\n\nfunction DeclareVariable(node, parent) {\n if
(!t.isDeclareExportDeclaration(parent)) {\n this.word("\`declare\`");\n this.space();\n }\n\n this.word("\`var\`");\n
this.space();\n this.print(node.id, node);\n this.print(node.id.typeAnnotation, node);\n
this.semicolon();\n}\n\nfunction DeclareExportDeclaration(node) {\n this.word("\`declare\`");\n this.space();\n
this.word("\`export\`");\n this.space();\n\n if (node.default) {\n this.word("\`default\`");\n this.space();\n }\n\n
FlowExportDeclaration.apply(this, arguments);\n}\n\nfunction DeclareExportAllDeclaration() {\n
this.word("\`declare\`");\n this.space();\n\n _modules.ExportAllDeclaration.apply(this, arguments);\n}\n\nfunction
EnumDeclaration(node) {\n const {\n id,\n body\n } = node;\n this.word("\`enum\`");\n this.space();\n
this.print(id, node);\n this.print(body, node);\n}\n\nfunction enumExplicitType(context, name, hasExplicitType) {\n
if (hasExplicitType) {\n context.space();\n context.word("\`of\`");\n context.space();\n context.word(name);\n
}\n\n context.space();\n}\n\nfunction enumBody(context, node) {\n const {\n members\n } = node;\n
context.token("\`{\`");\n context.indent();\n context.newline();\n\n for (const member of members) {\n
context.print(member, node);\n context.newline();\n }\n\n context.dedent();\n
context.token("\`}\`");\n}\n\nfunction EnumBooleanBody(node) {\n const {\n explicitType\n } = node;\n
enumExplicitType(this, "\`boolean\`, explicitType);\n enumBody(this, node);\n}\n\nfunction
EnumNumberBody(node) {\n const {\n explicitType\n } = node;\n enumExplicitType(this, "\`number\`,
explicitType);\n enumBody(this, node);\n}\n\nfunction EnumStringBody(node) {\n const {\n explicitType\n } =
node;\n enumExplicitType(this, "\`string\`, explicitType);\n enumBody(this, node);\n}\n\nfunction
EnumSymbolBody(node) {\n enumExplicitType(this, "\`symbol\`, true);\n enumBody(this, node);\n}\n\nfunction
EnumDefaultedMember(node) {\n const {\n id\n } = node;\n this.print(id, node);\n
this.token("\`,`");\n}\n\nfunction enumInitializedMember(context, node) {\n const {\n id,\n init\n } = node;\n
context.print(id, node);\n context.space();\n context.token("\`=");\n context.space();\n context.print(init, node);\n
context.token("\`,`");\n}\n\nfunction EnumBooleanMember(node) {\n enumInitializedMember(this,

```



```

node);
}

function EnumNumberMember(node) {
  enumInitializedMember(this, node);
}

function EnumStringMember(node) {
  enumInitializedMember(this, node);
}

function FlowExportDeclaration(node) {
  if (node.declaration) {
    const declar = node.declaration;
    this.print(declar, node);
    if (!t.isStatement(declar)) this.semicolon();
  } else {
    this.token("{");
    if (node.specifiers.length) {
      this.space();
      this.printList(node.specifiers, node);
      this.space();
    }
    this.token("}");
    if (node.source) {
      this.space();
      this.word("from");
      this.space();
      this.print(node.source, node);
    }
    this.semicolon();
  }
}

function ExistsTypeAnnotation() {
  this.token("*");
}

function FunctionTypeAnnotation(node, parent) {
  this.print(node.typeParameters, node);
  this.token("(");
  this.printList(node.params, node);
  if (node.rest) {
    if (node.params.length) {
      this.token(",");
      this.space();
    }
    this.token("...");
    this.print(node.rest, node);
  }
  this.token(")");
  if (parent.type === "ObjectTypeCallProperty" || parent.type === "DeclareFunction" || parent.type === "ObjectTypeProperty" && parent.method) {
    this.token(":");
  } else {
    this.space();
    this.token("=>");
  }
  this.space();
  this.print(node.returnType, node);
}

function FunctionTypeParam(node) {
  this.print(node.name, node);
  if (node.optional) this.token("?");
  if (node.name) {
    this.token(":");
    this.space();
  }
  this.print(node.typeAnnotation, node);
}

function InterfaceExtends(node) {
  this.print(node.id, node);
  this.print(node.typeParameters, node);
}

function _interfaceish(node) {
  this.print(node.id, node);
  this.print(node.typeParameters, node);
  if (node.extends.length) {
    this.space();
    this.word("extends");
    this.space();
    this.printList(node.extends, node);
  }
  if (node.mixins && node.mixins.length) {
    this.space();
    this.word("mixins");
    this.space();
    this.printList(node.mixins, node);
  }
  if (node.implements && node.implements.length) {
    this.space();
    this.word("implements");
    this.space();
    this.printList(node.implements, node);
  }
  this.space();
  this.print(node.body, node);
}

function _variance(node) {
  if (node.variance) {
    if (node.variance.kind === "plus") {
      this.token("+");
    } else if (node.variance.kind === "minus") {
      this.token("-");
    }
  }
}

function InterfaceDeclaration(node) {
  this.word("interface");
  this.space();
  this._interfaceish(node);
}

function andSeparator() {
  this.space();
  this.token("&");
  this.space();
}

function InterfaceTypeAnnotation(node) {
  this.word("interface");
  if (node.extends && node.extends.length) {
    this.space();
    this.word("extends");
    this.space();
    this.printList(node.extends, node);
  }
  this.space();
  this.print(node.body, node);
}

function IntersectionTypeAnnotation(node) {
  this.printJoin(node.types, node, {
    separator: andSeparator
  });
}

function MixedTypeAnnotation() {
  this.word("mixed");
}

function EmptyTypeAnnotation() {
  this.word("empty");
}

function NullableTypeAnnotation(node) {
  this.token("?");
  this.print(node.typeAnnotation, node);
}

function NumberTypeAnnotation() {
  this.word("number");
}

function StringTypeAnnotation() {
  this.word("string");
}

function ThisTypeAnnotation() {
  this.word("this");
}

function TupleTypeAnnotation(node) {
  this.token("[");
  this.printList(node.types, node);
  this.token("]");
}

function TypeofTypeAnnotation(node) {
  this.word("typeof");
  this.space();
  this.print(node.argument, node);
}

function TypeAlias(node) {
  this.word("type");
  this.space();
  this.print(node.id, node);
  this.print(node.typeParameters, node);
  this.space();
  this.token("=");
  this.space();
  this.print(node.right, node);
  this.semicolon();
}

function TypeAnnotation(node) {
  this.token(":");
  this.space();
  if (node.optional) this.token("?");
  this.print(node.typeAnnotation, node);
}

function TypeParameterInstantiation(node) {
  this.token("<");
  this.printList(node.params, node, {
  });
  this.token(">");
}

function TypeParameter(node) {
  this._variance(node);
  this.word(node.name);
  if (node.bound) {
    this.print(node.bound, node);
  }
  if (node.default) {
    this.space();
    this.token("=");
    this.space();
    this.print(node.default, node);
  }
}

function OpaqueType(node) {
  this.word("opaque");
  this.space();
  this.word("type");
  this.space();
  this.print(node.id, node);
  this.print(node.typeParameters, node);
  if (node.supertype) {
    this.token(":");
    this.space();
    this.print(node.supertype, node);
  }
  if (node.impltype) {
    this.space();
    this.token("=");
    this.space();
    this.print(node.impltype, node);
  }
  this.semicolon();
}

function ObjectTypeAnnotation(node) {
  if (node.exact) {
    this.token("{");
  } else {
    this.token("{}");
  }
}

```

```

const props = node.properties.concat(node.callProperties || [], node.indexers || [], node.internalSlots || []);\n\n if
(props.length) {\n  this.space();\n  this.printJoin(props, node, {\n    addNewlines(leading) {\n      if (leading &&
!props[0]) return 1;\n    },\n    indent: true,\n    statement: true,\n    iterator: () => {\n      if (props.length !==
1 || node.inexact) {\n        this.token(",");\n        this.space();\n      }\n    }\n  });\n  this.space();\n}\n\n if
(node.inexact) {\n  this.indent();\n  this.token("...");\n\n  if (props.length) {\n    this.newline();\n  }\n\n  this.dedent();\n}\n\n if (node.exact) {\n  this.token("{}");\n  } else {\n    this.token("{}");\n  }\n}\n\nfunction
ObjectTypeInternalSlot(node) {\n  if (node.static) {\n    this.word("static");\n    this.space();\n  }\n\n  this.token("[");\n  this.token("[");\n  this.print(node.id, node);\n  this.token("]");\n  this.token("]");\n  if
(node.optional) this.token("?");\n\n  if (!node.method) {\n    this.token(":");\n    this.space();\n  }\n\n  this.print(node.value, node);\n}\n\nfunction ObjectTypeCallProperty(node) {\n  if (node.static) {\n
this.word("static");\n  this.space();\n}\n\n  this.print(node.value, node);\n}\n\nfunction ObjectTypeIndexer(node)
{\n  if (node.static) {\n    this.word("static");\n    this.space();\n  }\n\n  this._variance(node);\n\n  this.token("[");\n\n  if (node.id) {\n    this.print(node.id, node);\n    this.token(":");\n    this.space();\n  }\n\n  this.print(node.key, node);\n  this.token("]");\n  this.token(":");\n  this.space();\n  this.print(node.value,
node);\n}\n\nfunction ObjectTypeProperty(node) {\n  if (node.proto) {\n    this.word("proto");\n    this.space();\n  }\n\n  if (node.static) {\n    this.word("static");\n    this.space();\n  }\n\n  if (node.kind === "get" || node.kind ===
"set") {\n    this.word(node.kind);\n    this.space();\n  }\n\n  this._variance(node);\n\n  this.print(node.key, node);\n  if (node.optional) this.token("?");\n\n  if (!node.method) {\n    this.token(":");\n    this.space();\n  }\n\n  this.print(node.value, node);\n}\n\nfunction ObjectTypeSpreadProperty(node) {\n  this.token("...");\n
this.print(node.argument, node);\n}\n\nfunction QualifiedTypeIdentifier(node) {\n  this.print(node.qualification,
node);\n  this.token(".");\n  this.print(node.id, node);\n}\n\nfunction SymbolTypeAnnotation() {\n  this.word("symbol");\n}\n\nfunction orSeparator() {\n  this.space();\n  this.token("|");\n
this.space();\n}\n\nfunction UnionTypeAnnotation(node) {\n  this.printJoin(node.types, node, {\n    separator:
orSeparator\n  });\n}\n\nfunction TypeCastExpression(node) {\n  this.token("(");\n  this.print(node.expression,
node);\n  this.print(node.typeAnnotation, node);\n  this.token(")");\n}\n\nfunction Variance(node) {\n  if
(node.kind === "plus") {\n    this.token("+");\n  } else {\n    this.token("-");\n  }\n}\n\nfunction
VoidTypeAnnotation() {\n  this.word("void");\n}\n\n"\"use strict\";\n\nObject.defineProperty(exports,
"__esModule", {\n  value: true\n});\n\nexports.File = File;\n\nexports.Program = Program;\n\nexports.BlockStatement =
BlockStatement;\n\nexports.Noop = Noop;\n\nexports.Directive = Directive;\n\nexports.DirectiveLiteral =
DirectiveLiteral;\n\nexports.InterpreterDirective = InterpreterDirective;\n\nexports.Placeholder =
Placeholder;\n\nfunction File(node) {\n  if (node.program) {\n    this.print(node.program.interpreter, node);\n  }\n\n  this.print(node.program, node);\n}\n\nfunction Program(node) {\n  this.printInnerComments(node, false);\n
this.printSequence(node.directives, node);\n  if (node.directives && node.directives.length) this.newline();\n  this.printSequence(node.body, node);\n}\n\nfunction BlockStatement(node) {\n  var _node$directives;\n
this.token("{}");\n  this.printInnerComments(node);\n  const hasDirectives = (_node$directives = node.directives)
=== null ? void 0 : _node$directives.length;\n\n  if (node.body.length || hasDirectives) {\n    this.newline();\n
this.printSequence(node.directives, node, {\n    indent: true\n  });\n    if (hasDirectives) this.newline();\n    this.printSequence(node.body, node, {\n    indent: true\n  });\n    this.removeTrailingNewline();\n
this.source("end", node.loc);\n    if (!this.endsWith("\n")) this.newline();\n    this.rightBrace();\n  } else {\n    this.source("end", node.loc);\n    this.token("{}");\n  }\n}\n\nfunction Noop() {} \n\nfunction Directive(node) {\n
this.print(node.value, node);\n  this.semicolon();\n}\n\nconst unescapedSingleQuoteRE =
/(?^[^\\\"\\\\])?(?\\\\\\\\\\\\\\\\)*%/;\n\nconst unescapedDoubleQuoteRE =
/(?^[^\\\"\\\\])?(?\\\\\\\\\\\\\\\\)*%/;\n\nfunction
DirectiveLiteral(node) {\n  const raw = this.getPossibleRaw(node);\n\n  if (raw !== null) {\n    this.token(raw);\n
return;\n  }\n\n  const {\n    value\n  } = node;\n\n  if (!unescapedDoubleQuoteRE.test(value)) {\n
this.token(`"${value}"`);\n  } else if (!unescapedSingleQuoteRE.test(value)) {\n    this.token(`${value}`);\n  } else
{\n    throw new Error("Malformed AST: it is not possible to print a directive containing \" + \" both unescaped
single and double quotes.");\n  }\n}\n\nfunction InterpreterDirective(node) {\n
this.token("#!${node.value}\\n`);\n}\n\nfunction Placeholder(node) {\n  this.token("%\n");\n}

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this.print(node.name);\n this.token(\"%%\");\n\n if (node.expectedNode === \"Statement\") {\n
this.semicolon();\n } }\n}\n\", \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.JSXAttribute = JSXAttribute;\nexports.JSXIdentifier =
JSXIdentifier;\nexports.JSXNamespacedName = JSXNamespacedName;\nexports.JSXMemberExpression =
JSXMemberExpression;\nexports.JSXSpreadAttribute = JSXSpreadAttribute;\nexports.JSXExpressionContainer =
JSXExpressionContainer;\nexports.JSXSpreadChild = JSXSpreadChild;\nexports.JSXText =
JSXText;\nexports.JSXElement = JSXElement;\nexports.JSXOpeningElement =
JSXOpeningElement;\nexports.JSXClosingElement = JSXClosingElement;\nexports.JSXEmptyExpression =
JSXEmptyExpression;\nexports.JSXFragment = JSXFragment;\nexports.JSXOpeningFragment =
JSXOpeningFragment;\nexports.JSXClosingFragment = JSXClosingFragment;\n\nfunction JSXAttribute(node) {\n
this.print(node.name, node);\n\n if (node.value) {\n this.token(\"=\");\n this.print(node.value, node);\n
}\n}\n\nfunction JSXIdentifier(node) {\n this.word(node.name);\n}\n\nfunction JSXNamespacedName(node) {\n
this.print(node.namespace, node);\n this.token(\":\");\n this.print(node.name, node);\n}\n\nfunction
JSXMemberExpression(node) {\n this.print(node.object, node);\n this.token(\".\");\n this.print(node.property,
node);\n}\n\nfunction JSXSpreadAttribute(node) {\n this.token(\"{\");\n this.token(\"...\");\n
this.print(node.argument, node);\n this.token(\"}\");\n}\n\nfunction JSXExpressionContainer(node) {\n
this.token(\"{\");\n this.print(node.expression, node);\n this.token(\"}\");\n}\n\nfunction JSXSpreadChild(node) {\n
this.token(\"{\");\n this.token(\"...\");\n this.print(node.expression, node);\n this.token(\"}\");\n}\n\nfunction
JSXText(node) {\n const raw = this.getPossibleRaw(node);\n\n if (raw != null) {\n this.token(raw);\n } else {\n
this.token(node.value);\n } }\n}\n\nfunction JSXElement(node) {\n const open = node.openingElement;\n
this.print(open, node);\n\n if (open.selfClosing) return;\n\n this.indent();\n\n for (const child of node.children) {\n
this.print(child, node);\n } }\n\n this.dedent();\n this.print(node.closingElement, node);\n}\n\nfunction
spaceSeparator() {\n this.space();\n}\n\nfunction JSXOpeningElement(node) {\n this.token(\"<\");\n
this.print(node.name, node);\n this.print(node.typeParameters, node);\n\n if (node.attributes.length > 0) {\n
this.space();\n this.printJoin(node.attributes, node, {\n separator: spaceSeparator\n });\n } }\n\n if
(node.selfClosing) {\n this.space();\n this.token(\"/>\");\n } else {\n this.token(\">\");\n } }\n}\n\nfunction
JSXClosingElement(node) {\n this.token(\"</\");\n this.print(node.name, node);\n this.token(\">\");\n}\n\nfunction
JSXEmptyExpression(node) {\n this.printInnerComments(node);\n}\n\nfunction JSXFragment(node) {\n
this.print(node.openingFragment, node);\n this.indent();\n\n for (const child of node.children) {\n this.print(child,
node);\n } }\n\n this.dedent();\n this.print(node.closingFragment, node);\n}\n\nfunction JSXOpeningFragment() {\n
this.token(\"<\");\n this.token(\">\");\n}\n\nfunction JSXClosingFragment() {\n this.token(\"</\");\n
this.token(\">\");\n } }\n}\n}\n\", \"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
true\n});\n\nexports.TSTypeAnnotation = TSTypeAnnotation;\nexports.TSTypeParameterDeclaration =
exports.TSTypeParameterInstantiation = TSTypeParameterInstantiation;\nexports.TSTypeParameter =
TSTypeParameter;\nexports.TSParameterProperty = TSParameterProperty;\nexports.TSDeclareFunction =
TSDeclareFunction;\nexports.TSDeclareMethod = TSDeclareMethod;\nexports.TSQualifiedName =
TSQualifiedName;\nexports.TSCallSignatureDeclaration =
TSCallSignatureDeclaration;\nexports.TSConstructSignatureDeclaration =
TSConstructSignatureDeclaration;\nexports.TSPropertySignature =
TSPropertySignature;\nexports.tsPrintPropertyOrMethodName =
tsPrintPropertyOrMethodName;\nexports.TSMethodSignature = TSMethodSignature;\nexports.TSIndexSignature =
TSIndexSignature;\nexports.TSAnyKeyword = TSAnyKeyword;\nexports.TSBigIntKeyword =
TSBigIntKeyword;\nexports.TSUnknownKeyword = TSUnknownKeyword;\nexports.TSNumberKeyword =
TSNumberKeyword;\nexports.TSObjectKeyword = TSObjectKeyword;\nexports.TSBooleanKeyword =
TSBooleanKeyword;\nexports.TSStringKeyword = TSStringKeyword;\nexports.TSSymbolKeyword =
TSSymbolKeyword;\nexports.TSVoidKeyword = TSVoidKeyword;\nexports.TSUndefinedKeyword =
TSUndefinedKeyword;\nexports.TSNullKeyword = TSNullKeyword;\nexports.TSNeverKeyword =
TSNeverKeyword;\nexports.TSIntrinsicKeyword = TSIntrinsicKeyword;\nexports.TSThisType =

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TSThisType;\nexports.TSFunctionType = TSFunctionType;\nexports.TSConstructorType =
TSConstructorType;\nexports.tsPrintFunctionOrConstructorType =
tsPrintFunctionOrConstructorType;\nexports.TSTypeReference = TSTypeReference;\nexports.TSTypePredicate =
TSTypePredicate;\nexports.TSTypeQuery = TSTypeQuery;\nexports.TSTypeLiteral =
TSTypeLiteral;\nexports.tsPrintTypeLiteralOrInterfaceBody =
tsPrintTypeLiteralOrInterfaceBody;\nexports.tsPrintBraced = tsPrintBraced;\nexports.TSArrayType =
TSArrayType;\nexports.TSTupleType = TSTupleType;\nexports.TSOptionalType =
TSOptionalType;\nexports.TSRestType = TSRestType;\nexports.TSNamedTupleMember =
TSNamedTupleMember;\nexports.TSUnionType = TSUnionType;\nexports.TSIntersectionType =
TSIntersectionType;\nexports.tsPrintUnionOrIntersectionType =
tsPrintUnionOrIntersectionType;\nexports.TSConditionalType = TSConditionalType;\nexports.TSInferType =
TSInferType;\nexports.TSParenthesizedType = TSParenthesizedType;\nexports.TSTypeOperator =
TSTypeOperator;\nexports.TSIndexedAccessType = TSIndexedAccessType;\nexports.TSMappedType =
TSMappedType;\nexports.TSLiteralType = TSLiteralType;\nexports.TSExpressionWithTypeArguments =
TSExpressionWithTypeArguments;\nexports.TSInterfaceDeclaration =
TSInterfaceDeclaration;\nexports.TSInterfaceBody = TSInterfaceBody;\nexports.TSTypeAliasDeclaration =
TSTypeAliasDeclaration;\nexports.TSAsExpression = TSAsExpression;\nexports.TSTypeAssertion =
TSTypeAssertion;\nexports.TSEnumDeclaration = TSEnumDeclaration;\nexports.TSEnumMember =
TSEnumMember;\nexports.TSModuleDeclaration = TSModuleDeclaration;\nexports.TSModuleBlock =
TSModuleBlock;\nexports.TSImportType = TSImportType;\nexports.TSImportEqualsDeclaration =
TSImportEqualsDeclaration;\nexports.TSExternalModuleReference =
TSExternalModuleReference;\nexports.TSNonNullExpression =
TSNonNullExpression;\nexports.TSExportAssignment =
TSExportAssignment;\nexports.TSNamespaceExportDeclaration =
TSNamespaceExportDeclaration;\nexports.tsPrintSignatureDeclarationBase =
tsPrintSignatureDeclarationBase;\nexports.tsPrintClassMemberModifiers =
tsPrintClassMemberModifiers;\n\nfunction TSTypeAnnotation(node) {\n  this.token(":");\n  this.space();\n  if
(node.optional) this.token("?");\n  this.print(node.typeAnnotation, node);\n}\n\nfunction
TSTypeParameterInstantiation(node) {\n  this.token("<");\n  this.printList(node.params, node, {});\n
this.token(">");\n}\n\nfunction TSTypeParameter(node) {\n  this.word(node.name);\n  if (node.constraint) {\n
this.space();\n  this.word("extends");\n  this.space();\n  this.print(node.constraint, node);\n }\n  if
(node.default) {\n  this.space();\n  this.token("=");\n  this.space();\n  this.print(node.default, node);\n
}\n}\n\nfunction TSParameterProperty(node) {\n  if (node.accessibility) {\n  this.word(node.accessibility);\n
this.space();\n }\n  if (node.readonly) {\n  this.word("readonly");\n  this.space();\n }\n  this._param(node.parameter);\n}\n\nfunction TSDeclareFunction(node) {\n  if (node.declare) {\n
this.word("declare");\n  this.space();\n }\n  this._functionHead(node);\n  this.token(";");\n}\n\nfunction
TSDeclareMethod(node) {\n  this._classMethodHead(node);\n  this.token(";");\n}\n\nfunction
TSQualifiedName(node) {\n  this.print(node.left, node);\n  this.token(".");\n  this.print(node.right,
node);\n}\n\nfunction TSCallSignatureDeclaration(node) {\n  this.tsPrintSignatureDeclarationBase(node);\n
this.token(";");\n}\n\nfunction TSConstructSignatureDeclaration(node) {\n  this.word("new");\n  this.space();\n
this.tsPrintSignatureDeclarationBase(node);\n  this.token(";");\n}\n\nfunction TSPropertySignature(node) {\n
const { readonly, initializer } = node;\n  if (readonly) {\n  this.word("readonly");\n  this.space();\n
}\n  this.tsPrintPropertyOrMethodName(node);\n  this.print(node.typeAnnotation, node);\n  if (initializer) {\n
this.space();\n  this.token("=");\n  this.space();\n  this.print(initializer, node);\n }\n  this.token(";");\n}\n\nfunction tsPrintPropertyOrMethodName(node) {\n  if (node.computed) {\n
this.token("[");\n }\n  this.print(node.key, node);\n  if (node.computed) {\n  this.token("]");\n }\n  if
(node.optional) {\n  this.token("?");\n }\n}\n\nfunction TSMethodSignature(node) {\n  this.tsPrintPropertyOrMethodName(node);\n  this.tsPrintSignatureDeclarationBase(node);\n}

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this.token(";");\n\nfunction TSIndexSignature(node) {\n  const {\n    readonly\n  } = node;\n  if (readonly) {\n    this.word("readonly");\n    this.space();\n  }\n  this.token("[");\n  this._parameters(node.parameters,\nnode);\n  this.token("]");\n  this.print(node.typeAnnotation, node);\n  this.token(";");\n}\n\nfunction\nTSAnyKeyword() {\n  this.word("any");\n}\n\nfunction TSBigIntKeyword() {\n\nthis.word("bigint");\n}\n\nfunction TSUnknownKeyword() {\n  this.word("unknown");\n}\n\nfunction\nTSNumberKeyword() {\n  this.word("number");\n}\n\nfunction TSObjectKeyword() {\n\nthis.word("object");\n}\n\nfunction TSBooleanKeyword() {\n  this.word("boolean");\n}\n\nfunction\nTSStrngKeyword() {\n  this.word("string");\n}\n\nfunction TSSymbolKeyword() {\n\nthis.word("symbol");\n}\n\nfunction TSVoidKeyword() {\n  this.word("void");\n}\n\nfunction\nTSUndefinedKeyword() {\n  this.word("undefined");\n}\n\nfunction TSNullKeyword() {\n\nthis.word("null");\n}\n\nfunction TSNeverKeyword() {\n  this.word("never");\n}\n\nfunction\nTSIntrinsicKeyword() {\n  this.word("intrinsic");\n}\n\nfunction TSThisType() {\n\nthis.word("this");\n}\n\nfunction TSFunctionType(node) {\n\nthis.tsPrintFunctionOrConstructorType(node);\n}\n\nfunction TSConstructorType(node) {\n  this.word("new");\n  this.space();\n  this.tsPrintFunctionOrConstructorType(node);\n}\n\nfunction\n  tsPrintFunctionOrConstructorType(node) {\n    const {\n      typeParameters,\n      parameters\n    } = node;\n    this.print(typeParameters, node);\n    this.token("(");\n    this._parameters(parameters, node);\n    this.token(")");\n    this.space();\n    this.token("=>");\n    this.space();\n    this.print(node.typeAnnotation.typeAnnotation,\nnode);\n  }\n\nfunction TSTypeReference(node) {\n  this.print(node.typeName, node);\n  this.print(node.typeParameters, node);\n}\n\nfunction TSTypePredicate(node) {\n  if (node.asserts) {\n    this.word("asserts");\n    this.space();\n  }\n  this.print(node.parameterName);\n  if (node.typeAnnotation) {\n    this.space();\n    this.word("is");\n    this.space();\n    this.print(node.typeAnnotation.typeAnnotation);\n  }\n}\n\nfunction TSTypeQuery(node) {\n  this.word("typeof");\n  this.space();\n  this.print(node.exprName);\n}\n\nfunction TSTypeLiteral(node) {\n\nthis.tsPrintTypeLiteralOrInterfaceBody(node.members, node);\n}\n\nfunction\n  tsPrintTypeLiteralOrInterfaceBody(members, node) {\n    this.tsPrintBraced(members, node);\n  }\n\nfunction\n  tsPrintBraced(members, node) {\n    this.token("{");\n    if (members.length) {\n      this.indent();\n      this.newline();\n      for (const member of members) {\n        this.print(member, node);\n        this.newline();\n      }\n      this.dedent();\n      this.rightBrace();\n    } else {\n      this.token("}");\n    }\n  }\n\nfunction TSArrayType(node) {\n\nthis.print(node.elementType, node);\n  this.token("[");\n}\n\nfunction TSTupleType(node) {\n  this.token("[");\n  this.printList(node.elementTypes, node);\n  this.token("]");\n}\n\nfunction TSOptionalType(node) {\n\nthis.print(node.typeAnnotation, node);\n  this.token("?");\n}\n\nfunction TSRestType(node) {\n\nthis.token("...");\n  this.print(node.typeAnnotation, node);\n}\n\nfunction TSNamedTupleMember(node) {\n\nthis.print(node.label, node);\n  if (node.optional) this.token("?");\n  this.token(":");\n  this.space();\n  this.print(node.elementType, node);\n}\n\nfunction TSUnionType(node) {\n\nthis.tsPrintUnionOrIntersectionType(node, "|");\n}\n\nfunction TSIntersectionType(node) {\n\nthis.tsPrintUnionOrIntersectionType(node, "&");\n}\n\nfunction tsPrintUnionOrIntersectionType(node, sep) {\n\nthis.printJoin(node.types, node, {\n  separator() {\n    this.space();\n    this.token(sep);\n    this.space();\n  }\n});\n}\n\nfunction TSConditionalType(node) {\n  this.print(node.checkType);\n  this.space();\n  this.word("extends");\n  this.space();\n  this.print(node.extendsType);\n  this.space();\n  this.token("?");\n  this.space();\n  this.print(node.trueType);\n  this.space();\n  this.token(":");\n  this.space();\n  this.print(node.falseType);\n}\n\nfunction TSInferType(node) {\n  this.token("infer");\n  this.space();\n  this.print(node.typeParameter);\n}\n\nfunction TSParenthesizedType(node) {\n  this.token("(");\n  this.print(node.typeAnnotation, node);\n  this.token(")");\n}\n\nfunction TSTypeOperator(node) {\n\nthis.word(node.operator);\n  this.space();\n  this.print(node.typeAnnotation, node);\n}\n\nfunction\n  TSIndexedAccessType(node) {\n    this.print(node.objectType, node);\n    this.token("[");\n    this.print(node.indexType, node);\n    this.token("]");\n  }\n\nfunction TSMappedType(node) {\n  const {\n    nameType,\n    optional,\n    readonly,\n    typeParameter\n  } = node;\n  this.token("{");\n  this.space();\n  if

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(readonly) {\n  tokenIfPlusMinus(this, readonly);\n  this.word(\"readonly\");\n  this.space();\n } \n\n
this.token(\"[\");\n this.word(typeParameter.name);\n this.space();\n this.word(\"in\");\n this.space();\n
this.print(typeParameter.constraint, typeParameter);\n\n if (nameType) {\n  this.space();\n  this.word(\"as\");\n
this.space();\n  this.print(nameType, node);\n }\n\n this.token(\"]\");\n\n if (optional) {\n  tokenIfPlusMinus(this,
optional);\n  this.token(\"?\");\n }\n\n this.token(\":\");\n this.space();\n this.print(node.typeAnnotation, node);\n
this.space();\n this.token(\"]\");\n }\n\nfunction tokenIfPlusMinus(self, tok) {\n  if (tok !== true) {\n
self.token(tok);\n  }\n }\n\nfunction TSLiteralType(node) {\n  this.print(node.literal, node);\n }\n\nfunction
TSExpressionWithTypeArguments(node) {\n  this.print(node.expression, node);\n  this.print(node.typeParameters,
node);\n }\n\nfunction TSInterfaceDeclaration(node) {\n  const {\n  declare,\n  id,\n  typeParameters,\n
extends: extendz,\n  body\n } = node;\n\n  if (declare) {\n  this.word(\"declare\");\n  this.space();\n  }\n\n
this.word(\"interface\");\n  this.space();\n  this.print(id, node);\n  this.print(typeParameters, node);\n\n  if (extendz)
{\n  this.space();\n  this.word(\"extends\");\n  this.space();\n  this.printList(extendz, node);\n  }\n\n
this.space();\n  this.print(body, node);\n }\n\nfunction TSInterfaceBody(node) {\n
this.tsPrintTypeLiteralOrInterfaceBody(node.body, node);\n }\n\nfunction TSTypeAliasDeclaration(node) {\n  const
{\n  declare,\n  id,\n  typeParameters,\n  typeAnnotation\n } = node;\n\n  if (declare) {\n
this.word(\"declare\");\n  this.space();\n  }\n\n  this.word(\"type\");\n  this.space();\n  this.print(id, node);\n
this.print(typeParameters, node);\n  this.space();\n  this.token(\"=\");\n  this.space();\n  this.print(typeAnnotation,
node);\n  this.token(\":\");\n }\n\nfunction TSAsExpression(node) {\n  const {\n  expression,\n  typeAnnotation\n
} = node;\n  this.print(expression, node);\n  this.space();\n  this.word(\"as\");\n  this.space();\n
this.print(typeAnnotation, node);\n }\n\nfunction TSTypeAssertion(node) {\n  const {\n  typeAnnotation,\n
expression\n } = node;\n  this.token(\"<\");\n  this.print(typeAnnotation, node);\n  this.token(\">\");\n
this.space();\n  this.print(expression, node);\n }\n\nfunction TSEnumDeclaration(node) {\n  const {\n  declare,\n
const: isConst,\n  id,\n  members\n } = node;\n\n  if (declare) {\n  this.word(\"declare\");\n  this.space();\n
}\n\n  if (isConst) {\n  this.word(\"const\");\n  this.space();\n  }\n\n  this.word(\"enum\");\n  this.space();\n
this.print(id, node);\n  this.space();\n  this.tsPrintBraced(members, node);\n }\n\nfunction TSEnumMember(node)
{\n  const {\n  id,\n  initializer\n } = node;\n  this.print(id, node);\n\n  if (initializer) {\n  this.space();\n
this.token(\"=\");\n  this.space();\n  this.print(initializer, node);\n }\n\n  this.token(\",\");\n }\n\nfunction
TSMODULE_DECLARATION(node) {\n  const {\n  declare,\n  id\n } = node;\n\n  if (declare) {\n
this.word(\"declare\");\n  this.space();\n  }\n\n  if (!node.global) {\n  this.word(id.type === \"Identifier\" ?
\"namespace\" : \"module\");\n  this.space();\n  }\n\n  this.print(id, node);\n\n  if (!node.body) {\n
this.token(\",\");\n  return;\n  }\n\n  let body = node.body;\n\n  while (body.type === \"TSMODULE_DECLARATION\") {\n
this.token(\".\");\n  this.print(body.id, body);\n  body = body.body;\n  }\n\n  this.space();\n  this.print(body,
node);\n }\n\nfunction TSMODULE_BLOCK(node) {\n  this.tsPrintBraced(node.body, node);\n }\n\nfunction
TSImportType(node) {\n  const {\n  argument,\n  qualifier,\n  typeParameters\n } = node;\n
this.word(\"import\");\n  this.token(\"(\");\n  this.print(argument, node);\n  this.token(\")\");\n\n  if (qualifier) {\n
this.token(\".\");\n  this.print(qualifier, node);\n  }\n\n  if (typeParameters) {\n  this.print(typeParameters, node);\n
}\n\n}\n\nfunction TSImportEqualsDeclaration(node) {\n  const {\n  isExport,\n  id,\n  moduleReference\n } =
node;\n\n  if (isExport) {\n  this.word(\"export\");\n  this.space();\n  }\n\n  this.word(\"import\");\n  this.space();\n
this.print(id, node);\n  this.space();\n  this.token(\"=\");\n  this.space();\n  this.print(moduleReference, node);\n
this.token(\",\");\n }\n\nfunction TSExternalModuleReference(node) {\n  this.token(\"require(\");\n
this.print(node.expression, node);\n  this.token(\")\");\n }\n\nfunction TSNonNullExpression(node) {\n
this.print(node.expression, node);\n  this.token(\"!\");\n }\n\nfunction TSExportAssignment(node) {\n
this.word(\"export\");\n  this.space();\n  this.token(\"=\");\n  this.space();\n  this.print(node.expression, node);\n
this.token(\",\");\n }\n\nfunction TSNamespaceExportDeclaration(node) {\n  this.word(\"export\");\n  this.space();\n
this.word(\"as\");\n  this.space();\n  this.word(\"namespace\");\n  this.space();\n  this.print(node.id,
node);\n }\n\nfunction tsPrintSignatureDeclarationBase(node) {\n  const {\n  typeParameters,\n  parameters\n } =
node;\n  this.print(typeParameters, node);\n  this.token(\"(\");\n\n  this._parameters(parameters, node);\n\n
this.token(\")\");\n  this.print(node.typeAnnotation, node);\n }\n\nfunction tsPrintClassMemberModifiers(node,

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isField) {\n if (isField && node.declare) {\n this.word("declare");\n this.space();\n }\n\n if
(node.accessibility) {\n this.word(node.accessibility);\n this.space();\n }\n\n if (node.static) {\n
this.word("static");\n this.space();\n }\n\n if (node.abstract) {\n this.word("abstract");\n this.space();\n
}\n\n if (isField && node.readonly) {\n this.word("readonly");\n this.space();\n }\n\n}, "use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\n\nexports.findParent =
findParent;\n\nexports.find = find;\n\nexports.getFunctionParent = getFunctionParent;\n\nexports.getStatementParent =
getStatementParent;\n\nexports.getEarliestCommonAncestorFrom =
getEarliestCommonAncestorFrom;\n\nexports.getDeepestCommonAncestorFrom =
getDeepestCommonAncestorFrom;\n\nexports.getAncestry = getAncestry;\n\nexports.isAncestor =
isAncestor;\n\nexports.isDescendant = isDescendant;\n\nexports.inType = inType;\n\n\nvar t =
_interopRequireWildcard(require("@babel/types")); \n\n\nvar _index =
_interopRequireDefault(require("./index")); \n\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; } \n\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
"function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
return cache; } \n\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj ===
null || typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; } \n\n\nfunction findParent(callback) {\n let path = this;\n\n while (path =
path.parentPath) {\n if (callback(path)) return path;\n }\n\n return null;\n\n\n\nfunction find(callback) {\n let path
= this;\n\n do {\n if (callback(path)) return path;\n } while (path = path.parentPath);\n\n return
null;\n\n\n\nfunction getFunctionParent() {\n return this.findParent(p => p.isFunction());\n\n\n\nfunction
getStatementParent() {\n let path = this;\n\n do {\n if (!path.parentPath || Array.isArray(path.container) &&
path.isStatement()) {\n break;\n } else {\n path = path.parentPath;\n }\n } while (path);\n\n if (path &&
(path.isProgram() || path.isFile())) {\n throw new Error("File/Program node, we can't possibly find a statement
parent to this");\n }\n\n return path;\n\n\n\nfunction getEarliestCommonAncestorFrom(paths) {\n return
this.getDeepestCommonAncestorFrom(paths, function (deepest, i, ancestries) {\n let earliest;\n const keys =
t.VISITOR_KEYS[deepest.type];\n\n for (const ancestry of ancestries) {\n const path = ancestry[i + 1];\n\n
if (!earliest) {\n earliest = path;\n continue;\n }\n\n if (path.listKey && earliest.listKey ===
path.listKey) {\n if (path.key < earliest.key) {\n earliest = path;\n continue;\n }\n }\n\n
const earliestKeyIndex = keys.indexOf(earliest.parentKey);\n const currentKeyIndex =
keys.indexOf(path.parentKey);\n\n if (earliestKeyIndex > currentKeyIndex) {\n earliest = path;\n }\n\n
return earliest;\n });\n\n\n\nfunction getDeepestCommonAncestorFrom(paths, filter) {\n if (!paths.length)
{\n return this;\n }\n\n if (paths.length === 1) {\n return paths[0];\n }\n\n let minDepth = Infinity;\n let
lastCommonIndex, lastCommon;\n const ancestries = paths.map(path => {\n const ancestry = [];\n\n do {\n
ancestry.unshift(path);\n } while ((path = path.parentPath) && path !== this);\n\n if (ancestry.length <
minDepth) {\n minDepth = ancestry.length;\n }\n\n return ancestry;\n });\n const first = ancestries[0];\n\n
depthLoop: for (let i = 0; i < minDepth; i++) {\n const shouldMatch = first[i];\n\n for (const ancestry of
ancestries) {\n if (ancestry[i] !== shouldMatch) {\n break depthLoop;\n }\n }\n\n lastCommonIndex =
i;\n lastCommon = shouldMatch;\n }\n\n if (lastCommon) {\n if (filter) {\n return filter(lastCommon,
lastCommonIndex, ancestries);\n } else {\n return lastCommon;\n }\n } else {\n throw new
Error("Couldn't find intersection");\n }\n\n\n\nfunction getAncestry() {\n let path = this;\n const paths = [];\n\n
do {\n paths.push(path);\n } while (path = path.parentPath);\n\n return paths;\n\n\n\nfunction
isAncestor(maybeDescendant) {\n return maybeDescendant.isDescendant(this);\n\n\n\nfunction
isDescendant(maybeAncestor) {\n return !!this.findParent(parent => parent === maybeAncestor);\n\n\n\nfunction

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inType() {\n let path = this;\n\n while (path) {\n   for (const type of arguments) {\n     if (path.node.type === type)
return true;\n   }\n\n   path = path.parentPath;\n } \n\n return false;\n}","use
strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.getTypeAnnotation =
getTypeAnnotation;\n\nexports._getTypeAnnotation = _getTypeAnnotation;\n\nexports.isBaseType =
isBaseType;\n\nexports.couldBeBaseType = couldBeBaseType;\n\nexports.baseTypeStrictlyMatches =
baseTypeStrictlyMatches;\n\nexports.isGenericType = isGenericType;\n\n\nvar inferers =
_interopRequireWildcard(require(\"./inferers\"));\n\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\n\nfunction _interopRequireDefault(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\n\nfunction getTypeAnnotation() {\n if (this.typeAnnotation) return
this.typeAnnotation;\n\n let type = this._getTypeAnnotation() || t.anyTypeAnnotation();\n\n if
(t.isTypeAnnotation(type)) type = type.typeAnnotation;\n\n return this.typeAnnotation = type;\n}\n\n\nfunction
_getTypeAnnotation() {\n var _inferer;\n\n const node = this.node;\n\n if (!node) {\n   if (this.key === \"init\" &&
this.parentPath.isVariableDeclarator()) {\n     const declar = this.parentPath.parentPath;\n     const declarParent =
declar.parentPath;\n     if (declar.key === \"left\" && declarParent.isForInStatement()) {\n       return
t.stringTypeAnnotation();\n     }\n     if (declar.key === \"left\" && declarParent.isForOfStatement()) {\n
return t.anyTypeAnnotation();\n     }\n     return t.voidTypeAnnotation();\n   } else {\n     return;\n   }\n }\n\n if
(node.typeAnnotation) {\n   return node.typeAnnotation;\n }\n\n let inferer = inferers[node.type];\n\n if (inferer)
{\n   return inferer.call(this, node);\n }\n\n inferer = inferers[this.parentPath.type];\n\n if ((inferer ===
null ? void 0 : _inferer.validParent)) {\n   return this.parentPath.getTypeAnnotation();\n }\n}\n\n\nfunction
isBaseType(baseName, soft) {\n return _isBaseType(baseName, this.getTypeAnnotation(), soft);\n}\n\n\nfunction
_isBaseType(baseName, type, soft) {\n if (baseName === \"string\") {\n   return t.isStringTypeAnnotation(type);\n
} else if (baseName === \"number\") {\n   return t.isNumberTypeAnnotation(type);\n } else if (baseName ===
\"boolean\") {\n   return t.isBooleanTypeAnnotation(type);\n } else if (baseName === \"any\") {\n   return
t.isAnyTypeAnnotation(type);\n } else if (baseName === \"mixed\") {\n   return t.isMixedTypeAnnotation(type);\n
} else if (baseName === \"empty\") {\n   return t.isEmptyTypeAnnotation(type);\n } else if (baseName ===
\"void\") {\n   return t.isVoidTypeAnnotation(type);\n } else {\n   if (soft) {\n     return false;\n   } else {\n
throw new Error(`Unknown base type ${baseName}`);\n   }\n }\n}\n\n\nfunction couldBeBaseType(name) {\n const
type = this.getTypeAnnotation();\n\n if (t.isAnyTypeAnnotation(type)) return true;\n\n if
(t.isUnionTypeAnnotation(type)) {\n   for (const type2 of type.types) {\n     if (t.isAnyTypeAnnotation(type2) ||
_isBaseType(name, type2, true)) {\n       return true;\n     }\n   }\n }\n\n return false;\n } else {\n   return
_isBaseType(name, type, true);\n }\n}\n\n\nfunction baseTypeStrictlyMatches(right) {\n const left =
this.getTypeAnnotation();\n\n right = right.getTypeAnnotation();\n\n if (!t.isAnyTypeAnnotation(left) &&
t.isFlowBaseAnnotation(left)) {\n   return right.type === left.type;\n }\n}\n\n\nfunction
isGenericType(genericName) {\n const type = this.getTypeAnnotation();\n\n return t.isGenericTypeAnnotation(type)
&& t.isIdentifier(type.id, {\n   name: genericName\n });\n}","use strict";\n\nObject.defineProperty(exports,
\"__esModule\", {\n value: true\n});\n\nexports.VariableDeclarator =
VariableDeclarator;\n\nexports.TypeCastExpression = TypeCastExpression;\n\nexports.NewExpression =
NewExpression;\n\nexports.TemplateLiteral = TemplateLiteral;\n\nexports.UnaryExpression =
UnaryExpression;\n\nexports.BinaryExpression = BinaryExpression;\n\nexports.LogicalExpression =
LogicalExpression;\n\nexports.ConditionalExpression = ConditionalExpression;\n\nexports.SequenceExpression =

```



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SequenceExpression;\nexports.ParenthesizedExpression =
ParenthesizedExpression;\nexports.AssignmentExpression = AssignmentExpression;\nexports.UpdateExpression =
UpdateExpression;\nexports.StringLiteral = StringLiteral;\nexports.NumericLiteral =
NumericLiteral;\nexports.BooleanLiteral = BooleanLiteral;\nexports.NullLiteral =
NullLiteral;\nexports.RegExpLiteral = RegExpLiteral;\nexports.ObjectExpression =
ObjectExpression;\nexports.ArrayExpression = ArrayExpression;\nexports.RestElement =
RestElement;\nexports.ClassDeclaration = exports.ClassExpression = exports.FunctionDeclaration =
exports.ArrowFunctionExpression = exports.FunctionExpression = Func;\nexports.CallExpression =
CallExpression;\nexports.TaggedTemplateExpression =
TaggedTemplateExpression;\nObject.defineProperty(exports, \"Identifier\", {\n  enumerable: true,\n  get: function ()
{\n    return _infererReference.default;\n  }\n});\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nvar _infererReference =
_interopRequireDefault(require(\"./inferer-reference\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
\"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj ===
null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache)
cache.set(obj, newObj); } return newObj; }\n\nfunction VariableDeclarator() {\n  var _type;\n\n  const id =
this.get(\"id\");\n  if (!id.isIdentifier()) return;\n  const init = this.get(\"init\");\n  let type =
init.getTypeAnnotation();\n\n  if (((_type = type) === null ? void 0 : _type.type) === \"AnyTypeAnnotation\") {\n
if (init.isCallExpression() && init.get(\"callee\").isIdentifier({\n    name: \"Array\"\n  })) &&
!init.scope.hasBinding(\"Array\", true)) {\n    type = ArrayExpression();\n  }\n\n  return type;\n}\n\nfunction
TypeCastExpression(node) {\n  return node.typeAnnotation;\n}\n\nTypeCastExpression.validParent =
true;\n\nfunction NewExpression(node) {\n  if (this.get(\"callee\").isIdentifier()) {\n    return
t.genericTypeAnnotation(node.callee);\n  }\n}\n\nfunction TemplateLiteral() {\n  return
t.stringTypeAnnotation();\n}\n\nfunction UnaryExpression(node) {\n  const operator = node.operator;\n\n  if
(operator === \"void\") {\n    return t.voidTypeAnnotation();\n  } else if
(t.NUMBER_UNARY_OPERATORS.indexOf(operator) >= 0) {\n    return t.numberTypeAnnotation();\n  } else if
(t.STRING_UNARY_OPERATORS.indexOf(operator) >= 0) {\n    return t.stringTypeAnnotation();\n  } else if
(t.BOOLEAN_UNARY_OPERATORS.indexOf(operator) >= 0) {\n    return t.booleanTypeAnnotation();\n  }\n}\n\nfunction BinaryExpression(node) {\n  const operator = node.operator;\n\n  if
(t.NUMBER_BINARY_OPERATORS.indexOf(operator) >= 0) {\n    return t.numberTypeAnnotation();\n  } else if
(t.BOOLEAN_BINARY_OPERATORS.indexOf(operator) >= 0) {\n    return t.booleanTypeAnnotation();\n  } else
if (operator === \"+\") {\n    const right = this.get(\"right\");\n    const left = this.get(\"left\");\n    if
(left.isBaseType(\"number\") && right.isBaseType(\"number\")) {\n    return t.numberTypeAnnotation();\n  } else
if (left.isBaseType(\"string\") || right.isBaseType(\"string\")) {\n    return t.stringTypeAnnotation();\n  }\n\n  return t.unionTypeAnnotation([t.stringTypeAnnotation(), t.numberTypeAnnotation()]);\n  }\n}\n\nfunction
LogicalExpression() {\n  const argumentTypes = [this.get(\"left\").getTypeAnnotation(),
this.get(\"right\").getTypeAnnotation()];\n\n  if (t.isTSTypeAnnotation(argumentTypes[0]) &&
t.createTSUnionType) {\n    return t.createTSUnionType(argumentTypes);\n  }\n\n  if (t.createFlowUnionType) {\n
return t.createFlowUnionType(argumentTypes);\n  }\n\n  return
t.createUnionTypeAnnotation(argumentTypes);\n}\n\nfunction ConditionalExpression() {\n  const argumentTypes =
[this.get(\"consequent\").getTypeAnnotation(), this.get(\"alternate\").getTypeAnnotation()];\n\n  if

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(t.isTSTypeAnnotation(argumentTypes[0]) && t.createTSUnionType) {\n  return
t.createTSUnionType(argumentTypes);\n }\n\n if (t.createFlowUnionType) {\n  return
t.createFlowUnionType(argumentTypes);\n }\n\n return
t.createUnionTypeAnnotation(argumentTypes);\n }\n\nfunction SequenceExpression() {\n  return
this.get("expressions").pop().getTypeAnnotation();\n }\n\nfunction ParenthesizedExpression() {\n  return
this.get("expression").getTypeAnnotation();\n }\n\nfunction AssignmentExpression() {\n  return
this.get("right").getTypeAnnotation();\n }\n\nfunction UpdateExpression(node) {\n  const operator =
node.operator;\n\n  if (operator === "++" || operator === "--") {\n    return t.numberTypeAnnotation();\n  }\n }\n\nfunction StringLiteral() {\n  return t.stringTypeAnnotation();\n }\n\nfunction NumericLiteral() {\n  return
t.numberTypeAnnotation();\n }\n\nfunction BooleanLiteral() {\n  return t.booleanTypeAnnotation();\n }\n\nfunction
NullLiteral() {\n  return t.nullLiteralTypeAnnotation();\n }\n\nfunction RegExpLiteral() {\n  return
t.genericTypeAnnotation(t.identifier("RegExp"));}\n\nfunction ObjectExpression() {\n  return
t.genericTypeAnnotation(t.identifier("Object"));}\n\nfunction ArrayExpression() {\n  return
t.genericTypeAnnotation(t.identifier("Array"));}\n\nfunction RestElement() {\n  return
ArrayExpression();\n }\n\nRestElement.validParent = true;\n\nfunction Func() {\n  return
t.genericTypeAnnotation(t.identifier("Function"));}\n\nconst isArrayFrom =
t.buildMatchMemberExpression("Array.from");\nconst isObjectKeys =
t.buildMatchMemberExpression("Object.keys");\nconst isObjectValues =
t.buildMatchMemberExpression("Object.values");\nconst isObjectEntries =
t.buildMatchMemberExpression("Object.entries");\n\nfunction CallExpression() {\n  const {\n    callee\n  } =
this.node;\n\n  if (isObjectKeys(callee)) {\n    return t.arrayTypeAnnotation(t.stringTypeAnnotation());\n  } else if
(isArrayFrom(callee) || isObjectValues(callee)) {\n    return t.arrayTypeAnnotation(t.anyTypeAnnotation());\n  }
else if (isObjectEntries(callee)) {\n    return
t.arrayTypeAnnotation(t.tupleTypeAnnotation([t.stringTypeAnnotation(), t.anyTypeAnnotation()]));\n  }\n }\n\n return
resolveCall(this.get("callee"));}\n\nfunction TaggedTemplateExpression() {\n  return
resolveCall(this.get("tag"));}\n\nfunction resolveCall(callee) {\n  callee = callee.resolve();\n\n  if
(callee.isFunction()) {\n    if (callee.is("async")) {\n      if (callee.is("generator")) {\n        return
t.genericTypeAnnotation(t.identifier("AsyncIterator"));}\n      } else {\n        return
t.genericTypeAnnotation(t.identifier("Promise"));}\n      }\n    } else {\n      if (callee.node.returnType) {\n
return callee.node.returnType;\n      } else {\n        }\n      }\n    }, "use strict";\n\nObject.defineProperty(exports,
"__esModule", {\n  value: true\n});\nexports.default = _default;\n\nvar t =
_interopRequireWildcard(require("@babel/types"));}\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) {
return obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return {
default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return
cache.get(obj); } var newObj = {}; var hasPropertyDescriptor = Object.defineProperty &&
Object.getOwnPropertyDescriptor; for (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj,
key)) { var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null; if (desc &&
(desc.get || desc.set)) { Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } }
newObj.default = obj; if (cache) { cache.set(obj, newObj); } return newObj; }\n\nfunction _default(node) {\n
if (!this.isReferenced()) return;\n\n const
binding = this.scope.getBinding(node.name);\n\n if (binding) {\n   if (binding.identifier.typeAnnotation) {\n
return binding.identifier.typeAnnotation;\n   } else {\n     return
getTypeAnnotationBindingConstantViolations(binding, this, node.name);\n   }\n }\n }\n\n if (node.name ===
"undefined") {\n   return t.voidTypeAnnotation();\n } else if (node.name === "NaN" || node.name ===
"Infinity") {\n   return t.numberTypeAnnotation();\n } else if (node.name === "arguments") { }\n }\n\nfunction
getTypeAnnotationBindingConstantViolations(binding, path, name) {\n  const types = [];\n  const
functionConstantViolations = [];\n  let constantViolations = getConstantViolationsBefore(binding, path,

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functionConstantViolations);\n const testType = getConditionalAnnotation(binding, path, name);\n\n if (testType)
{\n  const testConstantViolations = getConstantViolationsBefore(binding, testType.ifStatement);\n  constantViolations = constantViolations.filter(path => testConstantViolations.indexOf(path) < 0);\n  types.push(testType.typeAnnotation);\n }\n\n if (constantViolations.length) {\n  constantViolations =
constantViolations.concat(functionConstantViolations);\n\n  for (const violation of constantViolations) {\n
types.push(violation.getTypeAnnotation());\n  }\n }\n\n if (!types.length) {\n  return;\n }\n\n if
(t.isTSTypeAnnotation(types[0]) && t.createTSUnionType) {\n  return t.createTSUnionType(types);\n }\n\n if
(t.createFlowUnionType) {\n  return t.createFlowUnionType(types);\n }\n\n return
t.createUnionTypeAnnotation(types);\n}\n\nfunction getConstantViolationsBefore(binding, path, functions) {\n
const violations = binding.constantViolations.slice();\n violations.unshift(binding.path);\n return
violations.filter(violation => {\n  violation = violation.resolve();\n\n  const status =
violation._guessExecutionStatusRelativeTo(path);\n\n  if (functions && status === \"unknown\")
functions.push(violation);\n  return status === \"before\";\n });\n}\n\nfunction
inferAnnotationFromBinaryExpression(name, path) {\n  const operator = path.node.operator;\n  const right =
path.get(\"right\").resolve();\n  const left = path.get(\"left\").resolve();\n  let target;\n\n  if (left.isIdentifier({\n
name\n })) {\n  target = right;\n  } else if (right.isIdentifier({\n  name\n })) {\n  target = left;\n  }\n\n  if (target)
{\n  if (operator === \"===\") {\n  return target.getTypeAnnotation();\n  }\n\n  if
(t.BOOLEAN_NUMBER_BINARY_OPERATORS.indexOf(operator) >= 0) {\n  return
t.numberTypeAnnotation();\n  }\n\n  return;\n  }\n\n  if (operator !== \"===\" && operator !== \"==\") return;\n
let typeofPath;\n  let typePath;\n\n  if (left.isUnaryExpression({\n  operator: \"typeof\"\n })) {\n  typeofPath =
left;\n  typePath = right;\n  } else if (right.isUnaryExpression({\n  operator: \"typeof\"\n })) {\n  typeofPath =
right;\n  typePath = left;\n  }\n\n  if (!typeofPath) return;\n  if (!typeofPath.get(\"argument\").isIdentifier({\n
name\n })) return;\n  typePath = typePath.resolve();\n  if (!typePath.isLiteral()) return;\n  const typeValue =
typePath.node.value;\n  if (typeof typeValue !== \"string\") return;\n  return
t.createTypeAnnotationBasedOnTypeof(typeValue);\n}\n\nfunction getParentConditionalPath(binding, path, name)
{\n  let parentPath;\n\n  while (parentPath = path.parentPath) {\n  if (parentPath.isIfStatement() ||
parentPath.isConditionalExpression()) {\n  if (path.key === \"test\") {\n  return;\n  }\n\n  return
parentPath;\n  }\n\n  if (parentPath.isFunction()) {\n  if (parentPath.parentPath.scope.getBinding(name) !==
binding) return;\n  }\n\n  path = parentPath;\n  }\n}\n\nfunction getConditionalAnnotation(binding, path, name)
{\n  const ifStatement = getParentConditionalPath(binding, path, name);\n  if (!ifStatement) return;\n  const test =
ifStatement.get(\"test\");\n  const paths = [test];\n  const types = [];\n\n  for (let i = 0; i < paths.length; i++) {\n
const path = paths[i];\n  if (path.isLogicalExpression()) {\n  if (path.node.operator === \"&&\") {\n
paths.push(path.get(\"left\"));\n  paths.push(path.get(\"right\"));\n  }\n  } else if (path.isBinaryExpression())
{\n  const type = inferAnnotationFromBinaryExpression(name, path);\n  if (type) types.push(type);\n  }\n
}\n\n  if (types.length) {\n  if (t.isTSTypeAnnotation(types[0]) && t.createTSUnionType) {\n  return {\n
typeAnnotation: t.createTSUnionType(types),\n  ifStatement\n  };\n  }\n\n  if (t.createFlowUnionType) {\n
return {\n  typeAnnotation: t.createFlowUnionType(types),\n  ifStatement\n  };\n  }\n\n  return {\n
typeAnnotation: t.createUnionTypeAnnotation(types),\n  ifStatement\n  };\n  }\n}\n\n return
getConditionalAnnotation(ifStatement, name);\n}","use strict";\n\nObject.defineProperty(exports,
\"__esModule\", {\n  value: true\n});\n\nexports.replaceWithMultiple =
replaceWithMultiple;\n\nexports.replaceWithSourceString = replaceWithSourceString;\n\nexports.replaceWith =
replaceWith;\n\nexports._replaceWith = _replaceWith;\n\nexports.replaceExpressionWithStatements =
replaceExpressionWithStatements;\n\nexports.replaceInline = replaceInline;\n\n\nvar _codeFrame =
require(\"@babel/code-frame\");\n\nvar _index = _interopRequireDefault(require(\"./index\"));\n\nvar _index2 =
_interopRequireDefault(require(\"./index\"));\n\nvar _parser = require(\"@babel/parser\");\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireDefault(obj) { if (obj && obj.__esModule) { return

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obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }

function _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }

const hoistVariablesVisitor = {
  Function(path) {
    path.skip();
  },
  VariableDeclaration(path) {
    if (path.node.kind !== "var") return;
    const bindings =
      path.getBindingIdentifiers();
    for (const key of Object.keys(bindings)) {
      path.scope.push({
        id:
          bindings[key],
      });
      const exprs = [];
      for (const declar of path.node.declarations) {
        if
          (declar.init) {
          exprs.push(t.expressionStatement(
            t.assignmentExpression("=", declar.id, declar.init)));
        }
      }
      path.replaceWithMultiple(exprs);
    }
  },
  function replaceWithMultiple(nodes) {
    this.resync();
    nodes = this._verifyNodeList(nodes);
    t.inheritLeadingComments(nodes[0], this.node);
    t.inheritTrailingComments(nodes[nodes.length - 1], this.node);
    this.node = this.container[this.key] = null;
    const
      paths = this.insertAfter(nodes);
    if (this.node) {
      this.requeue();
    } else {
      this.remove();
    }
    return
      paths;
  },
  function replaceWithSourceString(replacement) {
    this.resync();
    try {
      replacement =
        `${replacement}`;
      replacement = (0, _parser.parse)(replacement);
    } catch (err) {
      const loc = err.loc;
      if (loc) {
        err.message += "\n - make sure this is an expression.\n" + (0,
          _codeFrame.codeFrameColumns)(replacement, {
            start: {
              line: loc.line,
              column: loc.column +
                1,
            },
          });
        err.code = "BABEL_REPLACE_SOURCE_ERROR";
      }
      throw err;
    }
    replacement = replacement.program.body[0].expression;
    _index.default.removeProperties(replacement);
    return this.replaceWith(replacement);
  },
  function replaceWith(replacement) {
    this.resync();
    if
      (this.removed) {
      throw new Error("You can't replace this node, we've already removed it");
    }
    if
      (replacement instanceof _index2.default) {
      replacement = replacement.node;
    }
    if (!replacement) {
      throw new Error("You passed `path.replaceWith()` a falsy node, use `path.remove()` instead");
    }
    if
      (this.node === replacement) {
      return [this];
    }
    if (this.isProgram() && !t.isProgram(replacement)) {
      throw new Error("You can only replace a Program root node with another Program node");
    }
    if
      (Array.isArray(replacement)) {
      throw new Error("Don't use `path.replaceWith()` with an array of nodes, use
        `path.replaceWithMultiple()`");
    }
    if (typeof replacement === "string") {
      throw new Error("Don't use
        `path.replaceWith()` with a source string, use `path.replaceWithSourceString()`");
    }
    let nodePath = "";
    if (this.isNodeType("Statement") && t.isExpression(replacement)) {
      if
        (!this.canHaveVariableDeclarationOrExpression() &&
          !this.canSwapBetweenExpressionAndStatement(replacement) && !this.parentPath.isExportDefaultDeclaration()) {
        replacement = t.expressionStatement(replacement);
        nodePath = "expression";
      }
      if
        (this.isNodeType("Expression") && t.isStatement(replacement)) {
        if
          (!this.canHaveVariableDeclarationOrExpression() &&
            !this.canSwapBetweenExpressionAndStatement(replacement)) {
          return
            this.replaceExpressionWithStatements([replacement]);
        }
        const oldNode = this.node;
        if (oldNode) {
          t.inheritsComments(replacement, oldNode);
          t.removeComments(oldNode);
        }
        this._replaceWith(replacement);
        this.type = replacement.type;
        this.setScope();
        this.requeue();
        return
          [nodePath ? this.get(nodePath) : this];
      }
    }
    function _replaceWith(node) {
      if (!this.container) {
        throw new
          ReferenceError("Container is falsy");
      }
      if (this.inList) {
        t.validate(this.parent, this.key, [node]);
      } else {
        t.validate(this.parent, this.key, node);
      }
      this.debug(`Replace with ${node == null ? void 0 :
        node.type}`);
      this.node = this.container[this.key] = node;
    }
    function
      replaceExpressionWithStatements(nodes) {
      this.resync();
      const toSequenceExpression =
        t.toSequenceExpression(nodes, this.scope);
      if (toSequenceExpression) {
        return
          this.replaceWith(toSequenceExpression)[0].get("expressions");
      }
      const functionParent =

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this.getFunctionParent();\n const isParentAsync = functionParent == null ? void 0 : functionParent.is("async");\n
const container = t.arrowFunctionExpression([], t.blockStatement(nodes));\n
this.replaceWith(t.callExpression(container, []));\n this.traverse(hoistVariablesVisitor);\n const completionRecords
= this.get("callee").getCompletionRecords();\n\n for (const path of completionRecords) {\n if
(!path.isExpressionStatement()) continue;\n const loop = path.findParent(path => path.isLoop());\n\n if (loop)
{\n let uid = loop.getData("expressionReplacementReturnUid");\n if (!uid) {\n const callee =
this.get("callee");\n uid = callee.scope.generateDeclaredUidIdentifier("ret");\n
callee.get("body").pushContainer("body", t.returnStatement(t.cloneNode(uid)));
loop.setData("expressionReplacementReturnUid", uid);\n } else {\n uid = t.identifier(uid.name);\n }
path.get("expression").replaceWith(t.assignmentExpression("=", t.cloneNode(uid), path.node.expression));
} else {\n path.replaceWith(t.returnStatement(path.node.expression));\n }\n }\n\n const callee =
this.get("callee");\n callee.arrowFunctionToExpression();\n\n if (isParentAsync &&
_index.default.hasType(this.get("callee.body").node, "AwaitExpression", t.FUNCTION_TYPES)) {\n
callee.set("async", true);\n this.replaceWith(t.awaitExpression(this.node));\n }\n\n return
callee.get("body.body");\n }\n\nfunction replaceInline(nodes) {\n this.resync();\n\n if (Array.isArray(nodes)) {\n
if (Array.isArray(this.container)) {\n nodes = this._verifyNodeList(nodes);\n\n const paths =
this._containerInsertAfter(nodes);\n\n this.remove();\n return paths;\n } else {\n return
this.replaceWithMultiple(nodes);\n }\n } else {\n return this.replaceWith(nodes);\n }\n }", "use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n value: true\n});\nexports.shouldHighlight =
shouldHighlight;\nexports.getChalk = getChalk;\nexports.default = highlight;\n\nvar _helperValidatorIdentifier =
require("@babel/helper-validator-identifier");\n\nconst jsTokens = require("js-tokens");\n\nconst Chalk =
require("chalk");\n\nconst sometimesKeywords = new Set(["as", "async", "from", "get", "of",
"set"]);
\nfunction getDefs(chalk) {\n return {\n keyword: chalk.cyan,\n capitalized: chalk.yellow,\n
jsxIdentifier: chalk.yellow,\n punctuator: chalk.yellow,\n number: chalk.magenta,\n string: chalk.green,\n
regex: chalk.magenta,\n comment: chalk.grey,\n invalid: chalk.white.bgRed.bold\n };
\n\nconst NEWLINE =
/\r\n|[\u2028\u2029]/;\nconst BRACKET = /^[()\[\]{}$]/;\nlet tokenize;\n\n const JSX_TAG = /^[a-z][\w-
]*$/i;\n\n const getTokenType = function (token, offset, text) {\n if (token.type === "name") {\n if ((0,
_helperValidatorIdentifier.isKeyword)(token.value) || (0,
_helperValidatorIdentifier.isStrictReservedWord)(token.value, true) || sometimesKeywords.has(token.value)) {\n
return "keyword";\n }\n\n if (JSX_TAG.test(token.value) && (text[offset - 1] === "<" || text.substr(offset -
2, 2) === "<")) {\n return "jsxIdentifier";\n }\n\n if (token.value[0] !== token.value[0].toLowerCase())
{\n return "capitalized";\n }\n }\n\n if (token.type === "punctuator" && BRACKET.test(token.value))
{\n return "bracket";\n }\n\n if (token.type === "invalid" && (token.value === "@" || token.value ===
"#")) {\n return "punctuator";\n }\n\n return token.type;\n };\n\n tokenize = function* (text) {\n let
match;\n\n while (match = jsTokens.default.exec(text)) {\n const token = jsTokens.matchToToken(match);\n
yield {\n type: getTokenType(token, match.index, text),\n value: token.value\n };\n }\n
}\n\nfunction highlightTokens(defs, text) {\n let highlighted = "";\n\n for (const { type, value } of
tokenize(text)) {\n const colorize = defs[type];\n\n if (colorize) {\n highlighted +=
value.split(NEWLINE).map(str => colorize(str)).join("\n");\n } else {\n highlighted += value;\n }\n
}\n\nreturn highlighted;\n}\n\nfunction shouldHighlight(options) {\n return !!Chalk.supportsColor ||
options.forceColor;\n}\n\nfunction getChalk(options) {\n return options.forceColor ? new Chalk.constructor({\n
enabled: true,\n level: 1\n }): Chalk;\n}\n\nfunction highlight(code, options = {}) {\n if
(shouldHighlight(options)) {\n const chalk = getChalk(options);\n const defs = getDefs(chalk);\n return
highlightTokens(defs, code);\n } else {\n return code;\n }\n }", "/* Copyright 2014, 2015, 2016, 2017, 2018 Simon
Lydell\n// License: MIT. (See LICENSE.)\n\nObject.defineProperty(exports, "__esModule", {\n value:
true\n})\n\n// This regex comes from regex.coffee, and is inserted here by generate-index.js\n// (run `npm run
build`).\nexports.default =
/((\"|)(?:?!\\|\\\\\\\\|\\\\\\\\\\\\\\\\(?:\\r|\\n|[\\\\s\\\\S]))*(\\|2)?`(?:^[\\\\\\\\$]\\\\\\\\\\\\\\\\[\\\\s\\\\S]\\\\\\\\(?!\\\\|\\\\$)\\\\{(?:^[\\\\}\\\\\\\\|\\\\\\\\]*\\\\)?*\\\\)?*\\|)?`)(?!(\"|))(?:?!\\|\\\\\\\\|\\\\\\\\\\\\\\\\(?:\\r|\\n|[\\\\s\\\\S]))*(\\|2)?`(?:^[\\\\\\\\$]\\\\\\\\\\\\\\\\[\\\\s\\\\S]\\\\\\\\(?!\\\\|\\\\$)\\\\{(?:^[\\\\}\\\\\\\\|\\\\\\\\]*\\\\)?*\\\\)?*\\|)?`)(?!(\"|))

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\\V\.*)|(\\V\*(?:[^\*]|\*(?!\/))*|(\\V\?)|(\\V(?:\*(?:\[(?:[^\[\]\\\]|\.\.|\.)+|\(?:\s*(?:\b[\u0
080-\uFFFF$\\|~|{[+|-!](?!=)|\.\d)|[gmiyus]{1,6}|b(?:[\u0080-\uFFFF$\\|/|s*(?:[+|-
*%&|^<>!=?({[\\V(?:[^\*])}))*|([xX][\da-fA-F]+|[oO][0-7]+|[bB][01]+|(?:\d*\.\d+|\d+\.\d)?(?:[eE][+-
]?\d+)?)(?!\\d(?:\s|$)[\w\u0080-\uFFFF][\da-fA-F]{4}|||u\{[\da-fA-F]+\})+)(--
|+|+|&&|\\|||=>|\.\{3\}|(?:[+|-
\\%&|^)\{1,2\}|<{1,2}>|>{1,3}|!=?|={1,2}|=?[~-.,;:\\\{\}\}|\(\s+)(^\$[\s\S])/g\n\nexports.matchToToken =
function(match) {\n  var token = {type: 'invalid', value: match[0], closed: undefined}\n  if (match[ 1])
  token.type = 'string', token.closed = !(match[3] || match[4])\n  else if (match[ 5]) token.type = 'comment'\n
  else if (match[ 6]) token.type = 'comment', token.closed = !match[7]\n  else if (match[ 8]) token.type =
  'regex'\n  else if (match[ 9]) token.type = 'number'\n  else if (match[10]) token.type = 'name'\n  else if
  (match[11]) token.type = 'punctuator'\n  else if (match[12]) token.type = 'whitespace'\n  return token\n}\n\n,"use
strict";\nconst escapeStringRegexp = require('escape-string-regexp');\nconst ansiStyles = require('ansi-styles');\nconst
stdoutColor = require('supports-color').stdout;\nconst template = require('./templates.js');\nconst
isSimpleWindowsTerm = process.platform === 'win32' && !(process.env.TERM ||
").toLowerCase().startsWith('xterm');\n\n// `supportsColor.level` `ansiStyles.color[name]` mapping\nconst
levelMapping = ['ansi', 'ansi', 'ansi256', 'ansi16m'];\n\n// `color-convert` models to exclude from the Chalk API due
to conflicts and such\nconst skipModels = new Set(['gray']);\nconst styles = Object.create(null);\n\nfunction
applyOptions(obj, options) {\n  toptions = options || {};\n  // Detect level if not set manually\n  const scLevel =
stdoutColor ? stdoutColor.level : 0;\n  obj.level = options.level === undefined ? scLevel :
options.level;\n  obj.enabled = 'enabled' in options ? options.enabled : obj.level > 0;\n}\n\nfunction Chalk(options)
{\n  // We check for this.template here since calling `chalk.constructor()`\n  // by itself will have a `this` of a
previously constructed chalk object\n  if (!this || !(this instanceof Chalk) || this.template) {\n    const chalk =
{};\n    applyOptions(chalk, options);\n    chalk.template = function () {\n      const args =
[].slice.call(arguments);\n      return chalkTag.apply(null,
[chalk.template].concat(args));\n    };\n    Object.setPrototypeOf(chalk,
Chalk.prototype);\n    Object.setPrototypeOf(chalk.template, chalk);\n    chalk.template.constructor =
Chalk;\n    return chalk.template;\n  }\n  applyOptions(this, options);\n  // Use bright blue on Windows as
the normal blue color is illegible\n  if (isSimpleWindowsTerm) {\n    ansiStyles.blue.open = '\u001B[94m';\n  }\n  for
(const key of Object.keys(ansiStyles)) {\n    ansiStyles[key].closeRe = new
RegExp(escapeStringRegexp(ansiStyles[key].close), 'g');\n    styles[key] = {\n      get() {\n        const codes =
ansiStyles[key];\n        return build.call(this, this._styles ? this._styles.concat(codes) : [codes], this._empty,
key);\n      }\n    };\n    styles.visible = {\n      get() {\n        return build.call(this, this._styles || [], true,
'visible');\n      }\n    };\n    ansiStyles.color.closeRe = new RegExp(escapeStringRegexp(ansiStyles.color.close), 'g');\n    for
(const model of Object.keys(ansiStyles.color.ansi)) {\n      if (skipModels.has(model))\n        continue;\n      styles[model] = {\n        get() {\n          const level = this.level;\n          return function ()
{\n            const open = ansiStyles.color[levelMapping[level]][model].apply(null, arguments);\n            const codes =
{\n              topen, \n              tclose: ansiStyles.color.close, \n              tcloseRe:
ansiStyles.color.closeRe\n            };\n            return build.call(this, this._styles ? this._styles.concat(codes) : [codes],
this._empty, model);\n          }\n        };\n      }\n    }\n    ansiStyles.bgColor.closeRe = new
RegExp(escapeStringRegexp(ansiStyles.bgColor.close), 'g');\n    for (const model of
Object.keys(ansiStyles.bgColor.ansi)) {\n      if (skipModels.has(model))\n        continue;\n      const bgModel =
'bg' + model[0].toUpperCase() + model.slice(1);\n      styles[bgModel] = {\n        get() {\n          const level =
this.level;\n          return function () {\n            const open = ansiStyles.bgColor[levelMapping[level]][model].apply(null,
arguments);\n            const codes = {\n              topen, \n              tclose: ansiStyles.bgColor.close, \n              tcloseRe:
ansiStyles.bgColor.closeRe\n            };\n            return build.call(this, this._styles ? this._styles.concat(codes) : [codes],
this._empty, model);\n          }\n        };\n      }\n    }\n    const proto = Object.defineProperties(() => {}, styles);\n    function
build(_styles, _empty, key) {\n      const builder = function () {\n        return applyStyle.apply(builder,
arguments);\n      };\n      builder._styles = _styles;\n      builder._empty = _empty;\n      const self =

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this;
Object.defineProperty(builder, 'level', {
  enumerable: true,
  get() {
    return self.level;
  },
  set(level) {
    self.level = level;
  }
});
Object.defineProperty(builder, 'enabled', {
  enumerable: true,
  get() {
    return self.enabled;
  },
  set(enabled) {
    self.enabled = enabled;
  }
});
// See below for fix regarding invisible grey/dim combination on Windows
builder.hasGrey = this.hasGrey || key === 'gray' || key === 'grey';
// `__proto__` is used because we must return a function, but there is no way to create a function with a different prototype
builder.__proto__ = proto; // eslint-disable-line no-__proto__
return builder;
}
function applyStyle() {
  // Support varargs, but simply cast to string in case there's only one arg
  const args = arguments;
  const argsLen = args.length;
  let str = String(arguments[0]);
  if (argsLen === 0) {
    return "";
  }
  if (argsLen > 1) {
    // Don't slice `arguments`, it prevents V8 optimizations
    for (let a = 1; a < argsLen; a++) {
      str += ' ' + args[a];
    }
  }
  if (!this.enabled || this.level <= 0 || !str) {
    return this._empty ? '' : str;
  }
  // Turns out that on Windows dimmed gray text becomes invisible in cmd.exe,
  // see https://github.com/chalk/chalk/issues/58
  // If we're on Windows and we're dealing with a gray color, temporarily
  // make 'dim' a noop.
  const originalDim = ansiStyles.dim.open;
  if (isSimpleWindowsTerm && this.hasGrey) {
    ansiStyles.dim.open = '';
  }
  for (const code of this._styles.slice().reverse()) {
    // Replace any instances already present with a re-opening code
    // otherwise only the part of the string until said closing
    // code will be colored, and the rest will simply be 'plain'.
    str = code.open + str.replace(code.closeRe, code.open) + code.close;
  }
  // Close the styling before a linebreak and reopen after next line to fix a bleed
  // issue on macOS
  str = str.replace(/\r?\n/g, `${code.close}${code.open}`);
  // Reset the original `dim` if we changed it to work around the Windows
  // dimmed gray issue
  ansiStyles.dim.open = originalDim;
  return str;
}
function chalkTag(chalk, strings) {
  if (!Array.isArray(strings)) {
    // If chalk() was called by itself or with a string, return the string itself
    // as a string.
    return [].slice.call(arguments, 1).join(' ');
  }
  const args = [].slice.call(arguments, 2);
  const parts = [strings.raw[0]];
  for (let i = 1; i < strings.length; i++) {
    parts.push(String(args[i - 1]).replace(/[\{\}\|\\\]/g, '\\$&'));
  }
  parts.push(String(strings.raw[i]));
  return template(chalk, parts.join(''));
}
Object.defineProperty(Chalk.prototype, 'styles');
module.exports = Chalk(); // eslint-disable-line new-cap
module.exports.supportsColor = stdoutColor;
module.exports.default = module.exports;
// For TypeScript
"use strict";
var matchOperatorsRe = /[{}()\[\]^$+*?.]/g;
module.exports = function (str) {
  if (typeof str !== 'string') {
    throw new TypeError('Expected a string');
  }
  str = str.replace(matchOperatorsRe, '\\$&');
  const colorConvert = require('color-convert');
  const wrapAnsi16 = (fn, offset) => function () {
    const code = fn.apply(colorConvert, arguments);
    return `\u001B[${code + offset}m`;
  };
  const wrapAnsi256 = (fn, offset) => function () {
    const code = fn.apply(colorConvert, arguments);
    return `\u001B[${38 + offset};5;${code}m`;
  };
  const wrapAnsi16m = (fn, offset) => function () {
    const rgb = fn.apply(colorConvert, arguments);
    return `\u001B[${38 + offset};2;${rgb[0]};${rgb[1]};${rgb[2]}m`;
  };
  function assembleStyles() {
    const codes = new Map();
    const styles = {
      modifier: {
        reset: [0, 0],
        // 21 isn't widely supported and 22 does the same thing
        bold: [1, 22],
        dim: [2, 22],
        italic: [3, 23],
        underline: [4, 24],
        inverse: [7, 27],
        hidden: [8, 28],
        strikethrough: [9, 29],
        color: {
          black: [30, 39],
          red: [31, 39],
          green: [32, 39],
          yellow: [33, 39],
          blue: [34, 39],
          magenta: [35, 39],
          cyan: [36, 39],
          white: [37, 39],
          gray: [90, 39],
        },
        // Bright color
        redBright: [91, 39],
        greenBright: [92, 39],
        yellowBright: [93, 39],
        blueBright: [94, 39],
        magentaBright: [95, 39],
        cyanBright: [96, 39],
        whiteBright: [97, 39],
      },
      bgColor: {
        black: [40, 49],
        red: [41, 49],
        green: [42, 49],
        yellow: [43, 49],
        blue: [44, 49],
        magenta: [45, 49],
        cyan: [46, 49],
        white: [47, 49],
        // Bright color
        blackBright: [100, 49],
        redBright: [101, 49],
        greenBright: [102, 49],
        yellowBright: [103, 49],
        blueBright: [104, 49],
        magentaBright: [105, 49],
        cyanBright: [106, 49],
        whiteBright: [107, 49]
      }
    };
  }
  // Fix humans
  styles.color.grey = styles.color.gray;
  for (const groupName of Object.keys(styles)) {
    const group = styles[groupName];
    for (const styleName of

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Object.keys(group)) {\n\t\tconst style = group[styleName];\n\t\tstyles[styleName] = {\n\t\t\topen:
`\u001B[${style[0]}m`,\n\t\t\tclose: `\u001B[${style[1]}m`\n\t\t};\n\t\tgroup[styleName] =
styles[styleName];\n\t\tcodes.set(style[0], style[1]);\n\t\tObject.defineProperty(styles, groupName,
{\n\t\t\tvalue: group,\n\t\t\tenumerable: false\n\t\t});\n\t\tObject.defineProperty(styles, 'codes', {\n\t\t\tvalue:
codes,\n\t\t\tenumerable: false\n\t\t});\n\t}\n\tconst ansi2ansi = n => n;\n\tconst rgb2rgb = (r, g, b) => [r, g,
b];\n\tstyles.color.close = "\u001B[39m";\n\tstyles.bgColor.close = "\u001B[49m";\n\tstyles.color.ansi =
{\n\t\t\tansi: wrapAnsi16(ansi2ansi, 0)\n\t\t};\n\tstyles.color.ansi256 = {\n\t\t\tansi256: wrapAnsi256(ansi2ansi,
0)\n\t\t};\n\tstyles.color.ansi16m = {\n\t\t\trgb: wrapAnsi16m(rgb2rgb, 0)\n\t\t};\n\tstyles.bgColor.ansi = {\n\t\t\tansi:
wrapAnsi16(ansi2ansi, 10)\n\t\t};\n\tstyles.bgColor.ansi256 = {\n\t\t\tansi256: wrapAnsi256(ansi2ansi,
10)\n\t\t};\n\tstyles.bgColor.ansi16m = {\n\t\t\trgb: wrapAnsi16m(rgb2rgb, 10)\n\t\t};\n\t\tfor (let key of
Object.keys(colorConvert)) {\n\t\t\tif (typeof colorConvert[key] !== 'object') {\n\t\t\t\tcontinue;\n\t\t\t}\n\t\t\tconst suite
= colorConvert[key];\n\t\t\tif (key === 'ansi16') {\n\t\t\t\tkey = 'ansi';\n\t\t\t\tif ('ansi16' in suite)
{\n\t\t\t\t\tstyles.color.ansi[key] = wrapAnsi16(suite.ansi16, 0);\n\t\t\t\t\tstyles.bgColor.ansi[key] =
wrapAnsi16(suite.ansi16, 10);\n\t\t\t\t}\n\t\t\t\tif ('ansi256' in suite) {\n\t\t\t\t\tstyles.color.ansi256[key] =
wrapAnsi256(suite.ansi256, 0);\n\t\t\t\t\tstyles.bgColor.ansi256[key] = wrapAnsi256(suite.ansi256, 10);\n\t\t\t\t}\n\t\t\t\tif ('rgb' in suite) {\n\t\t\t\t\tstyles.color.ansi16m[key] = wrapAnsi16m(suite.rgb, 0);\n\t\t\t\t\tstyles.bgColor.ansi16m[key] =
wrapAnsi16m(suite.rgb, 10);\n\t\t\t\t}\n\t\t\t}\n\t\t}\n\t\treturn styles;\n\t}\n\t// Make the export
immutable\n\tObject.defineProperty(module, 'exports', {\n\t\t\tenumerable: true,\n\t\t\tget: assembleStyles\n\t});\n\t,"var
conversions = require('./conversions');\n\tvar route = require('./route');\n\tvar convert = {};\n\tvar models =
Object.keys(conversions);\n\tfunction wrapRaw(fn) {\n\t\tvar wrappedFn = function (args) {\n\t\t\tif (args ===
undefined || args === null) {\n\t\t\t\treturn args;\n\t\t\t}\n\t\t\tif (arguments.length > 1) {\n\t\t\t\targs =
Array.prototype.slice.call(arguments);\n\t\t\t}\n\t\t\treturn fn(args);\n\t\t};\n\t\t// preserve .conversion property if there
is one\n\t\tif ('conversion' in fn) {\n\t\t\twrappedFn.conversion = fn.conversion;\n\t\t}\n\t\treturn
wrappedFn;\n\t}\n\tfunction wrapRounded(fn) {\n\t\tvar wrappedFn = function (args) {\n\t\t\tif (args === undefined ||
args === null) {\n\t\t\t\treturn args;\n\t\t\t}\n\t\t\tif (arguments.length > 1) {\n\t\t\t\targs =
Array.prototype.slice.call(arguments);\n\t\t\t}\n\t\t\tvar result = fn(args);\n\t\t\t// we're assuming the result is an array
here.\n\t\t\t// see notice in conversions.js; don't use box types\n\t\t\t// in conversion functions.\n\t\t\tif (typeof result ===
'object') {\n\t\t\t\tfor (var len = result.length, i = 0; i < len; i++) {\n\t\t\t\t\tresult[i] =
Math.round(result[i]);\n\t\t\t\t}\n\t\t\t}\n\t\t\treturn result;\n\t\t};\n\t\t// preserve .conversion property if there is one\n\t\tif
('conversion' in fn) {\n\t\t\twrappedFn.conversion = fn.conversion;\n\t\t}\n\t\treturn
wrappedFn;\n\t}\n\tmodels.forEach(function (fromModel) {\n\t\t\tconvert[fromModel] =
{};\n\t\t\tObject.defineProperty(convert[fromModel], 'channels', { value:
conversions[fromModel].channels});\n\t\t\tObject.defineProperty(convert[fromModel], 'labels', { value:
conversions[fromModel].labels});\n\t\t\tvar routes = route(fromModel);\n\t\t\tvar routeModels =
Object.keys(routes);\n\t\t\trouteModels.forEach(function (toModel) {\n\t\t\t\tvar fn =
routes[toModel];\n\t\t\t\tconvert[fromModel][toModel] = wrapRounded(fn);\n\t\t\t\tconvert[fromModel][toModel].raw
= wrapRaw(fn);\n\t\t\t});\n\t}\n\tmodule.exports = convert;\n\t","use strict\r\n\r\nmodule.exports = {\r\n\t\t"aliceblue"\r\n\t\t:[240, 248, 255],\r\n\t\t"antiquewhite"\r\n\t\t:[250, 235, 215],\r\n\t\t"aqua"\r\n\t\t:[0, 255, 255],\r\n\t\t"aquamarine"\r\n\t\t:[127, 255, 212],\r\n\t\t"azure"\r\n\t\t:[240, 255, 255],\r\n\t\t"beige"\r\n\t\t:[245, 245, 220],\r\n\t\t"bisque"\r\n\t\t:[255, 228, 196],\r\n\t\t"black"\r\n\t\t:[0, 0, 0],\r\n\t\t"blanchedalmond"\r\n\t\t:[255, 235, 205],\r\n\t\t"blue"\r\n\t\t:[0, 0, 255],\r\n\t\t"blueviolet"\r\n\t\t:[138, 43, 226],\r\n\t\t"brown"\r\n\t\t:[165, 42, 42],\r\n\t\t"burlywood"\r\n\t\t:[222, 184, 135],\r\n\t\t"cadetblue"\r\n\t\t:[95, 158, 160],\r\n\t\t"chartreuse"\r\n\t\t:[127, 255, 0],\r\n\t\t"chocolate"\r\n\t\t:[210, 105, 30],\r\n\t\t"coral"\r\n\t\t:[255, 127, 80],\r\n\t\t"cornflowerblue"\r\n\t\t:[100, 149, 237],\r\n\t\t"cornsilk"\r\n\t\t:[255, 248, 220],\r\n\t\t"crimson"\r\n\t\t:[220, 20, 60],\r\n\t\t"cyan"\r\n\t\t:[0, 255, 255],\r\n\t\t"darkblue"\r\n\t\t:[0, 0, 139],\r\n\t\t"darkcyan"\r\n\t\t:[0, 139, 139],\r\n\t\t"darkgoldenrod"\r\n\t\t:[184, 134, 11],\r\n\t\t"darkgray"\r\n\t\t:[169, 169, 169],\r\n\t\t"darkgreen"\r\n\t\t:[0, 100, 0],\r\n\t\t"darkgrey"\r\n\t\t:[169, 169, 169],\r\n\t\t"darkkhaki"\r\n\t\t:[189, 183, 107],\r\n\t\t"darkmagenta"\r\n\t\t:[139, 0, 139],\r\n\t\t"darkolivegreen"\r\n\t\t:[85, 107, 47],\r\n\t\t"darkorange"\r\n\t\t:[255, 140, 0],\r\n\t\t"darkorchid"\r\n\t\t:[153, 50, 204],\r\n\t\t"darkred"\r\n\t\t:[139, 0, 0],\r\n\t\t"darksalmon"\r\n\t\t:[233, 150, 122],\r\n\t\t"darkseagreen"\r\n\t\t:[143, 188,

```


143],\r\n\t\"darkslateblue\": [72, 61, 139],\r\n\t\"darkslategray\": [47, 79, 79],\r\n\t\"darkslategrey\": [47, 79, 79],\r\n\t\"darkturquoise\": [0, 206, 209],\r\n\t\"darkviolet\": [148, 0, 211],\r\n\t\"deeppink\": [255, 20, 147],\r\n\t\"deepskyblue\": [0, 191, 255],\r\n\t\"dimgray\": [105, 105, 105],\r\n\t\"dimgrey\": [105, 105, 105],\r\n\t\"dodgerblue\": [30, 144, 255],\r\n\t\"firebrick\": [178, 34, 34],\r\n\t\"floralwhite\": [255, 250, 240],\r\n\t\"forestgreen\": [34, 139, 34],\r\n\t\"fuchsia\": [255, 0, 255],\r\n\t\"gainsboro\": [220, 220, 220],\r\n\t\"ghostwhite\": [248, 248, 255],\r\n\t\"gold\": [255, 215, 0],\r\n\t\"goldenrod\": [218, 165, 32],\r\n\t\"gray\": [128, 128, 128],\r\n\t\"green\": [0, 128, 0],\r\n\t\"greenyellow\": [173, 255, 47],\r\n\t\"grey\": [128, 128, 128],\r\n\t\"honeydew\": [240, 255, 240],\r\n\t\"hotpink\": [255, 105, 180],\r\n\t\"indianred\": [205, 92, 92],\r\n\t\"indigo\": [75, 0, 130],\r\n\t\"ivory\": [255, 255, 240],\r\n\t\"khaki\": [240, 230, 140],\r\n\t\"lavender\": [230, 230, 250],\r\n\t\"lavenderblush\": [255, 240, 245],\r\n\t\"lawngreen\": [124, 252, 0],\r\n\t\"lemonchiffon\": [255, 250, 205],\r\n\t\"lightblue\": [173, 216, 230],\r\n\t\"lightcoral\": [240, 128, 128],\r\n\t\"lightcyan\": [224, 255, 255],\r\n\t\"lightgoldenrodyellow\": [250, 250, 210],\r\n\t\"lightgray\": [211, 211, 211],\r\n\t\"lightgreen\": [144, 238, 144],\r\n\t\"lightgrey\": [211, 211, 211],\r\n\t\"lightpink\": [255, 182, 193],\r\n\t\"lightsalmon\": [255, 160, 122],\r\n\t\"lightseagreen\": [32, 178, 170],\r\n\t\"lightskyblue\": [135, 206, 250],\r\n\t\"lightslategray\": [119, 136, 153],\r\n\t\"lightslategrey\": [119, 136, 153],\r\n\t\"lightsteelblue\": [176, 196, 222],\r\n\t\"lightyellow\": [255, 255, 224],\r\n\t\"lime\": [0, 255, 0],\r\n\t\"limegreen\": [50, 205, 50],\r\n\t\"linen\": [250, 240, 230],\r\n\t\"magenta\": [255, 0, 255],\r\n\t\"maroon\": [128, 0, 0],\r\n\t\"mediumaquamarine\": [102, 205, 170],\r\n\t\"mediumblue\": [0, 0, 205],\r\n\t\"mediumorchid\": [186, 85, 211],\r\n\t\"mediumpurple\": [147, 112, 219],\r\n\t\"mediumseagreen\": [60, 179, 113],\r\n\t\"mediumslateblue\": [123, 104, 238],\r\n\t\"mediumspringgreen\": [0, 250, 154],\r\n\t\"mediumturquoise\": [72, 209, 204],\r\n\t\"mediumvioletred\": [199, 21, 133],\r\n\t\"midnightblue\": [25, 25, 112],\r\n\t\"mintcream\": [245, 255, 250],\r\n\t\"mistyrose\": [255, 228, 225],\r\n\t\"moccasin\": [255, 228, 181],\r\n\t\"navajowhite\": [255, 222, 173],\r\n\t\"navy\": [0, 0, 128],\r\n\t\"oldlace\": [253, 245, 230],\r\n\t\"olive\": [128, 128, 0],\r\n\t\"olivedrab\": [107, 142, 35],\r\n\t\"orange\": [255, 165, 0],\r\n\t\"orangered\": [255, 69, 0],\r\n\t\"orchid\": [218, 112, 214],\r\n\t\"palegoldenrod\": [238, 232, 170],\r\n\t\"palegreen\": [152, 251, 152],\r\n\t\"paleturquoise\": [175, 238, 238],\r\n\t\"palevioletred\": [219, 112, 147],\r\n\t\"papayawhip\": [255, 239, 213],\r\n\t\"peachpuff\": [255, 218, 185],\r\n\t\"peru\": [205, 133, 63],\r\n\t\"pink\": [255, 192, 203],\r\n\t\"plum\": [221, 160, 221],\r\n\t\"powderblue\": [176, 224, 230],\r\n\t\"purple\": [128, 0, 128],\r\n\t\"rebeccapurple\": [102, 51, 153],\r\n\t\"red\": [255, 0, 0],\r\n\t\"rosybrown\": [188, 143, 143],\r\n\t\"royalblue\": [65, 105, 225],\r\n\t\"saddlebrown\": [139, 69, 19],\r\n\t\"salmon\": [250, 128, 114],\r\n\t\"sandybrown\": [244, 164, 96],\r\n\t\"seagreen\": [46, 139, 87],\r\n\t\"seashell\": [255, 245, 238],\r\n\t\"sienna\": [160, 82, 45],\r\n\t\"silver\": [192, 192, 192],\r\n\t\"skyblue\": [135, 206, 235],\r\n\t\"slateblue\": [106, 90, 205],\r\n\t\"slategray\": [112, 128, 144],\r\n\t\"slategrey\": [112, 128, 144],\r\n\t\"snow\": [255, 250, 250],\r\n\t\"springgreen\": [0, 255, 127],\r\n\t\"steelblue\": [70, 130, 180],\r\n\t\"tan\": [210, 180, 140],\r\n\t\"teal\": [0, 128, 128],\r\n\t\"thistle\": [216, 191, 216],\r\n\t\"tomato\": [255, 99, 71],\r\n\t\"turquoise\": [64, 224, 208],\r\n\t\"violet\": [238, 130, 238],\r\n\t\"wheat\": [245, 222, 179],\r\n\t\"white\": [255, 255, 255],\r\n\t\"whitesmoke\": [245, 245, 245],\r\n\t\"yellow\": [255, 255, 0],\r\n\t\"yellowgreen\": [154, 205, 50]\r\n};\r\n\"var conversions = require('./conversions');\n\n/*\nthis function routes a model to all other models.\n\nall functions that are routed have a property `.conversion` attached\nto the returned synthetic function. This property is an array\tof strings, each with the steps in between the 'from' and 'to'\ncolor models (inclusive).\n\nconversions that are not possible simply are not included.\n*/\nfunction buildGraph() {\n var graph = {};\n // https://jsperf.com/object-keys-vs-for-in-with-closure/3\n var models = Object.keys(conversions);\n for (var len = models.length, i = 0; i < len; i++)\n graph[models[i]] = {\n // http://jsperf.com/1-vs-infinity\n // micro-opt, but this is simple.\n distance: -1,\n parent: null;\n };\n return graph;\n}\n\n// https://en.wikipedia.org/wiki/Breadth-first_search\nfunction deriveBFS(fromModel) {\n var graph = buildGraph();\n var queue = [fromModel]; // unshift\n queue.pop();\n graph[fromModel].distance = 0;\n while (queue.length) {\n var current = queue.pop();\n var adjacents = Object.keys(conversions[current]);\n for (var len = adjacents.length, i = 0; i < len; i++) {\n var adjacent = adjacents[i];\n var node = graph[adjacent];\n if (node.distance === -1)\n node.distance = graph[current].distance + 1;\n node.parent =\n


```

if ((matches = chunk.match(String_Regex))) {
  results.push(matches[2].replace(escape_regex, (m,
  escape, chr) => escape ? unescape(escape) : chr));
} else {
  throw new Error(`Invalid Chalk template style
  argument: ${chunk} (in style '${name}')`);
}
return results;
}
function parseStyle(style)
{
  style_regex.lastIndex = 0;
  const results = [];
  let matches;
  while ((matches =
  style_regex.exec(style)) !== null) {
    const name = matches[1];
    if (matches[2]) {
      const args =
      parseArguments(name, matches[2]);
      results.push([name].concat(args));
    } else
      results.push([name]);
  }
  return results;
}
function buildStyle(chalk, styles) {
  const
  enabled = {};
  for (const layer of styles) {
    for (const style of layer.styles) {
      enabled[style[0]] =
      layer.inverse ? null : style.slice(1);
    }
  }
  let current = chalk;
  for (const styleName of
  Object.keys(enabled)) {
    if (Array.isArray(enabled[styleName])) {
      if (!(styleName in current))
        throw new Error(`Unknown Chalk style: ${styleName}`);
      if (enabled[styleName].length > 0)
        current = current[styleName].apply(current, enabled[styleName]);
    } else {
      current =
      current[styleName];
    }
  }
  return current;
}
module.exports = (chalk, tmp) => {
  const styles
  = [];
  const chunks
  = [];
  let chunk = [];
  // eslint-disable-next-line max-
  params
  tmp.replace(template_regex, (m, escapeChar, inverse, style, close, chr) => {
    if (escapeChar)
      chunk.push(unescape(escapeChar));
    else if (style) {
      const str = chunk.join("");
      chunk =
      [];
      chunks.push(styles.length === 0 ? str : buildStyle(chalk, styles)(str));
      styles.push({inverse, styles:
      parseStyle(style)});
    } else if (close) {
      if (styles.length === 0)
        throw new Error(`Found extraneous
        } in Chalk template literal`);
      chunks.push(buildStyle(chalk, styles)(chunk.join("")));
      chunk =
      [];
      styles.pop();
    } else {
      chunk.push(chr);
    }
    chunks.push(chunk.join(""));
    if
    (styles.length > 0) {
      const errMsg = `Chalk template literal is missing ${styles.length} closing
      bracket${styles.length === 1 ? " : 's' (\` \`)} `;
      throw new Error(errMsg);
    }
  }
  return
  chunks.join("");
}
;
"use strict";
Object.defineProperty(exports, "__esModule", {
  value:
  true
});
exports.evaluateTruthy = evaluateTruthy;
exports.evaluate = evaluate;
const VALID_CALLEES
= ["String", "Number", "Math"];
const INVALID_METHODS
= ["random"];
function evaluateTruthy() {
  const res
  = this.evaluate();
  if (res.confident)
    return !!res.value;
}
function deopt(path, state) {
  if
  (!state.confident)
    return;
  state.deoptPath = path;
  state.confident = false;
}
function evaluateCached(path,
state) {
  const {
    node
  } = path;
  const {
    seen
  } = state;
  if (seen.has(node)) {
    const existing
    = seen.get(node);
    if (existing.resolved) {
      return existing.value;
    } else {
      deopt(path, state);
      return;
    }
  } else {
    const item
    = {
      resolved: false
    };
    seen.set(node, item);
    const val
    = _evaluate(path, state);
    if (state.confident) {
      item.resolved = true;
      item.value = val;
    }
    return
    val;
  }
}
function _evaluate(path, state) {
  if (!state.confident)
    return;
  const {
    node
  } = path;
  if (path.isSequenceExpression()) {
    const exprs
    = path.get("expressions");
    return
    evaluateCached(exprs[exprs.length - 1], state);
  }
  if (path.isStringLiteral() || path.isNumericLiteral() ||
  path.isBooleanLiteral()) {
    return node.value;
  }
  if (path.isNullLiteral()) {
    return null;
  }
  if
  (path.isTemplateLiteral()) {
    return evaluateQuasis(path, node.quasis, state);
  }
  if
  (path.isTaggedTemplateExpression() && path.get("tag").isMemberExpression()) {
    const object
    = path.get("tag.object");
    const {
      node: {
        name
      }
    } = object;
    const property
    = path.get("tag.property");
    if (object.isIdentifier() && name === "String" && !path.scope.getBinding(name,
true) && property.isIdentifier() && property.node.name === "raw") {
      return evaluateQuasis(path,
node.quasi.quasis, state, true);
    }
  }
  if (path.isConditionalExpression()) {
    const testResult
    = evaluateCached(path.get("test"), state);
    if (!state.confident)
      return;
    if (testResult) {
      return
      evaluateCached(path.get("consequent"), state);
    } else {
      return
      evaluateCached(path.get("alternate"),
state);
    }
  }
  if (path.isExpressionWrapper()) {
    return
    evaluateCached(path.get("expression"), state);
  }
  if (path.isMemberExpression() && !path.parentPath.isCallExpression({
  callee: node
})) {
    const
    property = path.get("property");
    const object
    = path.get("object");
    if (object.isLiteral() &&
property.isIdentifier()) {
      const value
      = object.node.value;
      const type
      = typeof value;
      if (type ===
"number" || type === "string") {
        return
        value[property.node.name];
      }
    }
  }
  if
  (

```

```

(path.isReferencedIdentifier()) {\n  const binding = path.scope.getBinding(node.name);\n\n  if (binding && binding.constantViolations.length > 0) {\n    return deopt(binding.path, state);\n  }\n\n  if (binding && path.node.start < binding.path.node.end) {\n    return deopt(binding.path, state);\n  }\n\n  if (binding == null ? void 0 : binding.hasValue) {\n    return binding.value;\n  } else {\n    if (node.name === \"undefined\") {\n      return binding ? deopt(binding.path, state) : undefined;\n    } else if (node.name === \"Infinity\") {\n      return binding ? deopt(binding.path, state) : Infinity;\n    } else if (node.name === \"NaN\") {\n      return binding ? deopt(binding.path, state) : NaN;\n    }\n\n    const resolved = path.resolve();\n\n    if (resolved === path) {\n      return deopt(path, state);\n    } else {\n      return evaluateCached(resolved, state);\n    }\n  }\n\n  if (path.isUnaryExpression({\n    prefix: true\n  })) {\n    if (node.operator === \"void\") {\n      return undefined;\n    }\n\n    const argument = path.get(\"argument\");\n\n    if (node.operator === \"typeof\" && (argument.isFunction() || argument.isClass())) {\n      return \"function\";\n    }\n\n    const arg = evaluateCached(argument, state);\n\n    if (!state.confident) return;\n\n    switch (node.operator) {\n      case \"!\":\n        return !arg;\n      case \"+\":\n        return +arg;\n      case \"-\":\n        return -arg;\n      case \"~\":\n        return ~arg;\n      case \"typeof\":\n        return typeof arg;\n    }\n  }\n\n  if (path.isArrayExpression()) {\n    const arr = [];\n    const elems = path.get(\"elements\");\n\n    for (const elem of elems) {\n      const elemValue = elem.evaluate();\n\n      if (elemValue.confident) {\n        arr.push(elemValue.value);\n      } else {\n        return deopt(elemValue.deopt, state);\n      }\n    }\n\n    return arr;\n  }\n\n  if (path.isObjectExpression()) {\n    const obj = {};\n    const props = path.get(\"properties\");\n\n    for (const prop of props) {\n      if (prop.isObjectMethod() || prop.isSpreadElement()) {\n        return deopt(prop, state);\n      }\n\n      const keyPath = prop.get(\"key\");\n      let key = keyPath;\n\n      if (prop.node.computed) {\n        key = key.evaluate();\n\n        if (!key.confident) {\n          return deopt(key.deopt, state);\n        }\n\n        key = key.value;\n      } else if (key.isIdentifier()) {\n        key = key.node.name;\n      } else {\n        key = key.node.value;\n      }\n\n      const valuePath = prop.get(\"value\");\n      let value = valuePath.evaluate();\n\n      if (!value.confident) {\n        return deopt(value.deopt, state);\n      }\n\n      value = value.value;\n      obj[key] = value;\n    }\n\n    return obj;\n  }\n\n  if (path.isLogicalExpression()) {\n    const wasConfident = state.confident;\n    const left = evaluateCached(path.get(\"left\"), state);\n    const leftConfident = state.confident;\n    state.confident = wasConfident;\n    const right = evaluateCached(path.get(\"right\"), state);\n    const rightConfident = state.confident;\n\n    switch (node.operator) {\n      case \"||\":\n        state.confident = leftConfident && (!left || rightConfident);\n        if (!state.confident) return;\n        return left || right;\n      case \"&&\":\n        state.confident = leftConfident && (!left || rightConfident);\n        if (!state.confident) return;\n        return left && right;\n    }\n  }\n\n  if (path.isBinaryExpression()) {\n    const left = evaluateCached(path.get(\"left\"), state);\n    if (!state.confident) return;\n    const right = evaluateCached(path.get(\"right\"), state);\n    if (!state.confident) return;\n\n    switch (node.operator) {\n      case \"-\":\n        return left - right;\n      case \"+\":\n        return left + right;\n      case \"^\":\n        return left / right;\n      case \"*\":\n        return left * right;\n      case \"%\":\n        return left % right;\n      case \"**\":\n        return Math.pow(left, right);\n      case \"<\":\n        return left < right;\n      case \">\":\n        return left > right;\n      case \"<=\":\n        return left <= right;\n      case \">=\":\n        return left >= right;\n      case \"==\":\n        return left == right;\n      case \"!=\":\n        return left != right;\n      case \"===\":\n        return left === right;\n      case \"!==\":\n        return left !== right;\n      case \"|\":\n        return left | right;\n      case \"&\":\n        return left & right;\n      case \"^\":\n        return left ^ right;\n      case \"<<\":\n        return left << right;\n      case \">>\":\n        return left >> right;\n      case \">>>\":\n        return left >>> right;\n    }\n  }\n\n  if (path.isCallExpression()) {\n    const callee = path.get(\"callee\");\n    let context;\n    let func;\n\n    if (callee.isIdentifier() && !path.scope.getBinding(callee.node.name, true) && VALID_CALLEES.indexOf(callee.node.name) >= 0) {\n      func = global[node.callee.name];\n    }\n\n    if (callee.isMemberExpression()) {\n      const object = callee.get(\"object\");\n      const property = callee.get(\"property\");\n\n      if (object.isIdentifier() && property.isIdentifier() && VALID_CALLEES.indexOf(object.node.name) >= 0 && INVALID_METHODS.indexOf(property.node.name) < 0) {\n        context = global[object.node.name];\n        func = context[property.node.name];\n      }\n\n      if (object.isLiteral() && property.isIdentifier()) {\n        const type = typeof object.node.value;\n\n        if (type ===

```



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this.parentPath.scope.push({\n  id: checkBinding,\n  init: t.objectExpression([\n  ]);\n  });\n  }\n  }\n  this.get("body").unshiftContainer("body",
t.expressionStatement(t.callExpression(this.hub.addHelper("newArrowCheck"), [t.thisExpression(), checkBinding
? t.identifier(checkBinding.name) : t.identifier(thisBinding)]));\n
this.replaceWith(t.callExpression(t.memberExpression((0, _helperFunctionName.default)(this, true) || this.node,
t.identifier("bind")), [checkBinding ? t.identifier(checkBinding.name) : t.thisExpression()]));\n  }\n  }\n  \nfunction
hoistFunctionEnvironment(fnPath, specCompliant = false, allowInsertArrow = true) {\n  const thisEnvFn =
fnPath.findParent(p => {\n  return p.isFunction() && !p.isArrowFunctionExpression() || p.isProgram() ||
p.isClassProperty({\n  static: false\n  });\n  });\n  const inConstructor = (thisEnvFn === null ? void 0 :
thisEnvFn.node.kind) === "constructor";\n  \n  if (thisEnvFn.isClassProperty()) {\n  throw
fnPath.buildCodeFrameError("Unable to transform arrow inside class property");\n  }\n  \n  const {\n  thisPaths,\n
argumentsPaths,\n  newTargetPaths,\n  superProps,\n  superCalls\n  } = getScopeInformation(fnPath);\n  \n  if
(inConstructor && superCalls.length > 0) {\n  if (!allowInsertArrow) {\n  throw
superCalls[0].buildCodeFrameError("Unable to handle nested super() usage in arrow");\n  }\n  \n  const
allSuperCalls = [];\n  thisEnvFn.traverse({\n  Function(child) {\n  if (child.isArrowFunctionExpression())
return;\n  child.skip();\n  },\n  \n  ClassProperty(child) {\n  child.skip();\n  },\n  \n
CallExpression(child) {\n  if (!child.get("callee").isSuper()) return;\n  allSuperCalls.push(child);\n  }\n  \n
});\n  \n  const superBinding = getSuperBinding(thisEnvFn);\n  allSuperCalls.forEach(superCall => {\n  const
callee = t.identifier(superBinding);\n  callee.loc = superCall.node.callee.loc;\n
superCall.get("callee").replaceWith(callee);\n  });\n  \n  if (argumentsPaths.length > 0) {\n  const
argumentsBinding = getBinding(thisEnvFn, "arguments", () => t.identifier("arguments"));
argumentsPaths.forEach(argumentsChild => {\n  const argsRef = t.identifier(argumentsBinding);\n  argsRef.loc
= argumentsChild.node.loc;\n  argumentsChild.replaceWith(argsRef);\n  });\n  \n  if (newTargetPaths.length
> 0) {\n  const newTargetBinding = getBinding(thisEnvFn, "newtarget", () =>
t.metaProperty(t.identifier("new"), t.identifier("target"));\n  newTargetPaths.forEach(targetChild => {\n
const targetRef = t.identifier(newTargetBinding);\n  targetRef.loc = targetChild.node.loc;\n
targetChild.replaceWith(targetRef);\n  });\n  \n  if (superProps.length > 0) {\n  if (!allowInsertArrow) {\n
throw superProps[0].buildCodeFrameError("Unable to handle nested super.prop usage");\n  }\n  \n  const
flatSuperProps = superProps.reduce((acc, superProp) => acc.concat(standardizeSuperProperty(superProp)), []);\n
flatSuperProps.forEach(superProp => {\n  const key = superProp.node.computed ? "\"" :
superProp.get("property").node.name;\n  const isAssignment =
superProp.parentPath.isAssignmentExpression({\n  left: superProp.node\n  });\n  const isCall =
superProp.parentPath.isCallExpression({\n  callee: superProp.node\n  });\n  const superBinding =
getSuperPropBinding(thisEnvFn, isAssignment, key);\n  const args = [];\n  \n  if (superProp.node.computed) {\n
args.push(superProp.get("property").node);\n  }\n  \n  if (isAssignment) {\n  const value =
superProp.parentPath.node.right;\n  args.push(value);\n  }\n  \n  const call =
t.callExpression(t.identifier(superBinding), args);\n  \n  if (isCall) {\n
superProp.parentPath.unshiftContainer("arguments", t.thisExpression());\n
superProp.replaceWith(t.memberExpression(call, t.identifier("call")));\n
thisPaths.push(superProp.parentPath.get("arguments.0"));
} else if (isAssignment) {\n
superProp.parentPath.replaceWith(call);\n  } else {\n  superProp.replaceWith(call);\n  }\n  });\n  \n  let
thisBinding;\n  \n  if (thisPaths.length > 0 || specCompliant) {\n  thisBinding = getThisBinding(thisEnvFn,
inConstructor);\n  \n  if (!specCompliant || inConstructor && hasSuperClass(thisEnvFn)) {\n
thisPaths.forEach(thisChild => {\n  const thisRef = thisChild.isJSX() ? t.jsxIdentifier(thisBinding) :
t.identifier(thisBinding);\n  thisRef.loc = thisChild.node.loc;\n  thisChild.replaceWith(thisRef);\n  });\n
if (specCompliant) thisBinding = null;\n  }\n  }\n  \n  return thisBinding;\n  }\n  \nfunction
standardizeSuperProperty(superProp) {\n  if (superProp.parentPath.isAssignmentExpression() &&
superProp.parentPath.node.operator !== "=") {\n  const assignmentPath = superProp.parentPath;\n  const op =

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assignmentPath.node.operator.slice(0, -1);\n  const value = assignmentPath.node.right;\n  assignmentPath.node.operator = \"=\";\n\n  if (superProp.node.computed) {\n    const tmp =\n    superProp.scope.generateDeclaredUidIdentifier(\"tmp\");\n    assignmentPath.get(\"left\").replaceWith(t.memberExpression(superProp.node.object, t.assignmentExpression(\"=\",\n    tmp, superProp.node.property), true));\n    assignmentPath.get(\"right\").replaceWith(t.binaryExpression(op,\n    t.memberExpression(superProp.node.object, t.identifier(tmp.name), true), value));\n  } else {\n    assignmentPath.get(\"left\").replaceWith(t.memberExpression(superProp.node.object, superProp.node.property));\n    assignmentPath.get(\"right\").replaceWith(t.binaryExpression(op, t.memberExpression(superProp.node.object,\n    t.identifier(superProp.node.property.name)), value));\n  }\n\n  return [assignmentPath.get(\"left\"),\n  assignmentPath.get(\"right\").get(\"left\")];\n} else if (superProp.parentPath.isUpdateExpression()) {\n  const\n  updateExpr = superProp.parentPath;\n  const tmp = superProp.scope.generateDeclaredUidIdentifier(\"tmp\");\n  const computedKey = superProp.node.computed ? superProp.scope.generateDeclaredUidIdentifier(\"prop\") : null;\n\n  const parts = [t.assignmentExpression(\"=\", tmp, t.memberExpression(superProp.node.object, computedKey ?\n  t.assignmentExpression(\"=\", computedKey, superProp.node.property) : superProp.node.property,\n  superProp.node.computed)), t.assignmentExpression(\"=\", t.memberExpression(superProp.node.object,\n  computedKey ? t.identifier(computedKey.name) : superProp.node.property, superProp.node.computed),\n  t.binaryExpression(\"+\", t.identifier(tmp.name), t.numericLiteral(1))];\n\n  if (!superProp.parentPath.node.prefix)\n  {\n    parts.push(t.identifier(tmp.name));\n  }\n\n  updateExpr.replaceWith(t.sequenceExpression(parts));\n\n  const left = updateExpr.get(\"expressions.0.right\");\n  const right = updateExpr.get(\"expressions.1.left\");\n  return [left, right];\n}\n\nreturn [superProp];\n}\n\nfunction hasSuperClass(thisEnvFn) {\n  return\n  thisEnvFn.isClassMethod() && !thisEnvFn.parentPath.parentPath.node.superClass;\n}\n\nfunction\n  getThisBinding(thisEnvFn, inConstructor) {\n  return getBinding(thisEnvFn, \"this\", thisBinding => {\n    if\n    (!inConstructor || !hasSuperClass(thisEnvFn)) return t.thisExpression();\n    const supers = new WeakSet();\n    thisEnvFn.traverse({\n      Function(child) {\n        if (child.isArrowFunctionExpression()) return;\n        child.skip();\n      },\n      ClassProperty(child) {\n        child.skip();\n      },\n      CallExpression(child) {\n        if\n        (!child.get(\"callee\").isSuper()) return;\n        if (supers.has(child.node)) return;\n        supers.add(child.node);\n        child.replaceWithMultiple([child.node, t.assignmentExpression(\"=\", t.identifier(thisBinding),\n        t.identifier(\"this\"))]);\n      }\n    });\n  });\n}\n\nfunction getSuperBinding(thisEnvFn) {\n  return\n  getBinding(thisEnvFn, \"supercall\", () => {\n    const argsBinding =\n    thisEnvFn.scope.generateUidIdentifier(\"args\");\n    return\n    t.arrowFunctionExpression([t.restElement(argsBinding), t.callExpression(t.super(),\n    [t.spreadElement(t.identifier(argsBinding.name))]);\n  });\n}\n\nfunction getSuperPropBinding(thisEnvFn,\n  isAssignment, propName) {\n  const op = isAssignment ? \"set\" : \"get\";\n  return getBinding(thisEnvFn,\n  `superprop_${op}:${propName || \"\"}`, () => {\n    const argsList = [];\n    let fnBody;\n\n    if (propName) {\n      fnBody = t.memberExpression(t.super(), t.identifier(propName));\n    } else {\n      const method =\n      thisEnvFn.scope.generateUidIdentifier(\"prop\");\n      argsList.unshift(method);\n      fnBody =\n      t.memberExpression(t.super(), t.identifier(method.name), true);\n    }\n\n    if (isAssignment) {\n      const valueIdent\n      = thisEnvFn.scope.generateUidIdentifier(\"value\");\n      argsList.push(valueIdent);\n      fnBody =\n      t.assignmentExpression(\"=\", fnBody, t.identifier(valueIdent.name));\n    }\n\n    return\n    t.arrowFunctionExpression(argsList, fnBody);\n  });\n}\n\nfunction getBinding(thisEnvFn, key, init) {\n  const\n  cacheKey = \"binding:\" + key;\n  let data = thisEnvFn.getData(cacheKey);\n\n  if (!data) {\n    const id =\n    thisEnvFn.scope.generateUidIdentifier(key);\n    data = id.name;\n    thisEnvFn.setData(cacheKey, data);\n  }\n\n  thisEnvFn.scope.push({\n    id: id,\n    init: init(data)\n  });\n\n  return data;\n}\n\nfunction\n  getScopeInformation(fnPath) {\n  const thisPaths = [];\n  const argumentsPaths = [];\n  const newTargetPaths = [];\n\n  const superProps = [];\n  const superCalls = [];\n  fnPath.traverse({\n    ClassProperty(child) {\n      child.skip();\n    },\n    Function(child) {\n      if (child.isArrowFunctionExpression()) return;\n      child.skip();\n    },\n    ThisExpression(child) {\n      thisPaths.push(child);\n    },\n    JSXIdentifier(child) {\n      if (child.node.name !==\n      \"this\") return;\n      if (!child.parentPath.isJSXMemberExpression({\n        object: child.node\n      })) &&

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!child.parentPath.isJSXOpeningElement({\n  name: child.node\n  }) {\n  return;\n  }\n\nthisPaths.push(child);\n },\n\n CallExpression(child) {\n  if (child.get("callee").isSuper())\n  superCalls.push(child);\n },\n\n MemberExpression(child) {\n  if (child.get("object").isSuper())\n  superProps.push(child);\n },\n\n ReferencedIdentifier(child) {\n  if (child.node.name !== "arguments")\n  return;\n  argumentsPaths.push(child);\n },\n\n MetaProperty(child) {\n  if\n  (!child.get("meta").isIdentifier({\n    name: "new"\n  })) return;\n  if\n  (!child.get("property").isIdentifier({\n    name: "target"\n  })) return;\n  newTargetPaths.push(child);\n }\n\n});\n\nreturn {\n  thisPaths,\n  argumentsPaths,\n  newTargetPaths,\n  superProps,\n  superCalls\n};\n\n";\n\n"use strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value: true\n});\n\nexports.default =\n  _default;\n\nvar _helperGetFunctionArity = _interopRequireDefault(require("@babel/helper-get-function-arity"));\n\nvar _template = _interopRequireDefault(require("@babel/template"));\n\nvar t =\n  _interopRequireWildcard(require("@babel/types"));\n\nfunction _getRequireWildcardCache() {\n  if (typeof WeakMap !== "function")\n    return null;\n  var cache = new WeakMap();\n  _getRequireWildcardCache = function () {\n    return cache;\n  };\n  return cache;\n}\n\nfunction _interopRequireDefault(obj) {\n  if (obj && obj.__esModule) {\n    return obj;\n  }\n  if (obj === null || typeof obj !== "object" && typeof obj !== "function") {\n    return { default: obj };\n  }\n  var cache = _getRequireWildcardCache();\n  if (cache && cache.has(obj)) {\n    return cache.get(obj);\n  }\n  var newObj = {};\n  var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor;\n  for (var key in obj) {\n    if (Object.prototype.hasOwnProperty.call(obj, key)) {\n      var desc = hasPropertyDescriptor ?\n      Object.getOwnPropertyDescriptor(obj, key) : null;\n      if (desc && (desc.get || desc.set)) {\n        Object.defineProperty(newObj, key, desc);\n      } else {\n        newObj[key] = obj[key];\n      }\n    }\n  }\n  newObj.default = obj;\n  if (cache) {\n    cache.set(obj, newObj);\n  }\n  return newObj;\n}\n\nfunction _interopRequireDefault(obj) {\n  return obj && obj.__esModule ? obj : { default: obj };\n}\n\nconst buildPropertyMethodAssignmentWrapper = (0,\n  _template.default)(\n    function (FUNCTION_KEY) {\n      function FUNCTION_ID() {\n        return\n        FUNCTION_KEY.apply(this, arguments);\n      }\n\n      FUNCTION_ID.toString = function () {\n        return\n        FUNCTION_KEY.toString();\n      }\n\n      return FUNCTION_ID;\n    })(FUNCTION)\n  );\n\nconst\n  buildGeneratorPropertyMethodAssignmentWrapper = (0, _template.default)(\n    function (FUNCTION_KEY) {\n      function* FUNCTION_ID() {\n        return yield* FUNCTION_KEY.apply(this, arguments);\n      }\n\n      FUNCTION_ID.toString = function () {\n        return FUNCTION_KEY.toString();\n      }\n\n      return\n      FUNCTION_ID;\n    })(FUNCTION)\n  );\n\nconst visitor = {\n  "ReferencedIdentifier|BindingIdentifier"(path, state)\n  {\n    if (path.node.name !== state.name) return;\n    const localDeclar =\n    path.scope.getBindingIdentifier(state.name);\n    if (localDeclar !== state.outerDeclar) return;\n    state.selfReference = true;\n    path.stop();\n  }\n\n};\n\nfunction getNameFromLiteralId(id) {\n  if\n  (t.isNullLiteral(id)) {\n    return "null";\n  }\n\n  if (t.isRegExpLiteral(id)) {\n    return\n    `_${id.pattern}_${id.flags}`;\n  }\n\n  if (t.isTemplateLiteral(id)) {\n    return id.quasis.map(quasi =>\n    quasi.value.raw.join("\\");\n  );\n\n  if (id.value !== undefined) {\n    return id.value + "\\";\n  }\n\n  return\n  "\\";\n}\n\nfunction wrap(state, method, id, scope) {\n  if (state.selfReference) {\n    if (scope.hasBinding(id.name)\n    && !scope.hasGlobal(id.name)) {\n      scope.rename(id.name);\n    }\n  } else {\n    if (!t.isFunction(method))\n    return;\n\n    let build = buildPropertyMethodAssignmentWrapper;\n    if (method.generator) {\n      build =\n      buildGeneratorPropertyMethodAssignmentWrapper;\n    }\n\n    const template = build({\n      FUNCTION:\n      method,\n      FUNCTION_ID: id,\n      FUNCTION_KEY: scope.generateUidIdentifier(id.name)\n    }).expression;\n\n    const params = template.callee.body.body[0].params;\n\n    for (let i = 0, len = (0,\n    _helperGetFunctionArity.default)(method); i < len; i++) {\n      params.push(scope.generateUidIdentifier("x"));\n    }\n\n    return template;\n  }\n\n  method.id = id;\n  scope.getProgramParent().references[id.name] =\n  true;\n}\n\nfunction visit(node, name, scope) {\n  const state = {\n    selfAssignment: false,\n    selfReference:\n    false,\n    outerDeclar: scope.getBindingIdentifier(name),\n    references: [],\n    name: name\n  };\n\n  const binding =\n  scope.getOwnBinding(name);\n\n  if (binding) {\n    if (binding.kind === "param") {\n      state.selfReference =\n      true;\n    }\n  } else {\n  }\n\n  if (state.outerDeclar || scope.hasGlobal(name)) {\n    scope.traverse(node, visitor,\n    state);\n  }\n\n  return state;\n}\n\nfunction _default({\n  node,\n  parent,\n  scope,\n  id\n}, localBinding = false) {\n

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if (node.id) return;\n\n if ((t.isObjectProperty(parent) || t.isObjectMethod(parent, {\n  kind: \"method\"\n }))) &&
(!parent.computed || t.isLiteral(parent.key))) {\n  id = parent.key;\n } else if (t.isVariableDeclarator(parent)) {\n
id = parent.id;\n\n  if (t.isIdentifier(id) && !localBinding) {\n    const binding =
scope.parent.getBinding(id.name);\n\n    if (binding && binding.constant && scope.getBinding(id.name) ===
binding) {\n      node.id = t.cloneNode(id);\n      node.id[t.NOT_LOCAL_BINDING] = true;\n      return;\n
}\n  }\n } else if (t.isAssignmentExpression(parent, {\n  operator: \"=\"\n }))) {\n  id = parent.left;\n } else if
(!id) {\n  return;\n }\n\n let name;\n  if (id && t.isLiteral(id)) {\n    name = getNameFromLiteralId(id);\n  } else
if (id && t.isIdentifier(id)) {\n    name = id.name;\n  }\n\n  if (name === undefined) {\n    return;\n  }\n\n  name =
t.toBindingIdentifierName(name);\n  id = t.identifier(name);\n  id[t.NOT_LOCAL_BINDING] = true;\n  const state
= visit(node, name, scope);\n  return wrap(state, node, id, scope) || node;\n}","use
strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.default = _default;\n\nvar t
= _interopRequireWildcard(require(\"@babel/types\"));\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction _default(node) {\n  const params = node.params;\n\n  for
(let i = 0; i < params.length; i++) {\n    const param = params[i];\n\n    if (t.isAssignmentPattern(param) ||
t.isRestElement(param)) {\n      return i;\n    }\n  }\n\n  return params.length;\n}","use
strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.default = exports.program
= exports.expression = exports.statements = exports.statement = exports.smart = void 0;\n\nvar formatters =
_interopRequireWildcard(require(\"./formatters\"));\n\nvar _builder =
_interopRequireDefault(require(\"./builder\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction _getRequireWildcardCache() { if (typeof WeakMap !==
\"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () { return cache; };
return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj ===
null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var cache =
_getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nconst smart = (0, _builder.default)(formatters.smart);\n\nexports.smart
= smart;\n\nconst statement = (0, _builder.default)(formatters.statement);\n\nexports.statement = statement;\n\nconst
statements = (0, _builder.default)(formatters.statements);\n\nexports.statements = statements;\n\nconst expression = (0,
_builder.default)(formatters.expression);\n\nexports.expression = expression;\n\nconst program = (0,
_builder.default)(formatters.program);\n\nexports.program = program;\n\nvar _default =
Object.assign(smart.bind(undefined), {\n  smart,\n  statement,\n  statements,\n  expression,\n  program,\n  ast:
smart.ast\n});\n\nexports.default = _default;","use strict";\n\nObject.defineProperty(exports, \"__esModule\", {\n
value: true\n});\n\nexports.program = exports.expression = exports.statement = exports.statements = exports.smart =
void 0;\n\nvar t = _interopRequireWildcard(require(\"@babel/types\"));\n\nfunction _getRequireWildcardCache() {
if (typeof WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache =
function () { return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj &&
obj.__esModule) { return obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return

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{ default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); }
var newObj = {}; var hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for
(var key in obj) { if (Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }
\n\nfunction makeStatementFormatter(fn) {
  return {
    code: str =>
    `/* @babel/template */;\n${str}`,\n
    validate: () => {},\n
    unwrap: ast => {\n
      return
      fn(ast.program.body.slice(1));\n
    };\n
  };\n
}\n\nconst smart = makeStatementFormatter(body => {\n
  if (body.length > 1) {\n
    return body;\n
  } else {\n
    return body[0];\n
  };\n
});\n\nexports.smart = smart;\n\nconst statements =
makeStatementFormatter(body => body);\n\nexports.statements = statements;\n\nconst statement =
makeStatementFormatter(body => {\n
  if (body.length === 0) {\n
    throw new Error("Found nothing to return.");\n
  };\n
  if (body.length > 1) {\n
    throw new Error("Found multiple statements but wanted one");\n
  };\n
  return
  body[0];\n
});\n\nexports.statement = statement;\n\nconst expression = {\n
  code: str => `(\n${str}\n)`,\n
  validate: ast
=> {\n
  if (ast.program.body.length > 1) {\n
    throw new Error("Found multiple statements but wanted one");\n
  };\n
  if (expression.unwrap(ast).start === 0) {\n
    throw new Error("Parse result included parens.");\n
  };\n
  },\n
  unwrap: ({\n
    program\n
  }) => {\n
    const [stmt] = program.body;\n
    t.assertExpressionStatement(stmt);\n
    return stmt.expression;\n
  };\n
};\n\nexports.expression = expression;\n\nconst program = {\n
  code: str => str,\n
  validate:
() => {},\n
  unwrap: ast => ast.program\n
};\n\nexports.program = program;";\n\n"use
strict";\n\nObject.defineProperty(exports, "__esModule", { value: true });\n\nexports.default =
createTemplateBuilder;\n\nvar _options = require("./options");\n\nvar _string =
_interopRequireDefault(require("./string"));
\n\nvar _literal =
_interopRequireDefault(require("./literal"));
\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nconst NO_PLACEHOLDER = (0, _options.validate)({\n
placeholderPattern: false\n
});\n\nfunction createTemplateBuilder(formatter, defaultOpts) {\n
  const
  templateFnCache = new WeakMap();\n
  const templateAstCache = new WeakMap();\n
  const cachedOpts =
  defaultOpts || (0, _options.validate)(null);\n
  return Object.assign((tpl, ...args) => {\n
    if (typeof tpl === "string") {\n
      if (args.length > 1) throw new Error("Unexpected extra params.");\n
      return extendedTrace((0,
      _string.default)(formatter, tpl, (0, _options.merge)(cachedOpts, (0, _options.validate)(args[0]))));\n
    } else if
    (Array.isArray(tpl)) {\n
      let builder = templateFnCache.get(tpl);\n
      if (!builder) {\n
        builder = (0,
        _literal.default)(formatter, tpl, cachedOpts);\n
        templateFnCache.set(tpl, builder);\n
      };\n
      return
      extendedTrace(builder(args));\n
    } else if (typeof tpl === "object" && tpl) {\n
      if (args.length > 0) throw new
      Error("Unexpected extra params.");\n
      return createTemplateBuilder(formatter, (0, _options.merge)(cachedOpts,
      (0, _options.validate)(tpl)));
\n    };\n
\n    throw new Error("Unexpected template param ${typeof tpl}");\n
  }}, {\n
  ast: (tpl, ...args) => {\n
    if (typeof tpl === "string") {\n
      if (args.length > 1) throw new Error("Unexpected
      extra params.");\n
      return (0, _string.default)(formatter, tpl, (0, _options.merge)((0,
      _options.merge)(cachedOpts, (0, _options.validate)(args[0])), NO_PLACEHOLDER));\n
    } else if
    (Array.isArray(tpl)) {\n
      let builder = templateAstCache.get(tpl);\n
      if (!builder) {\n
        builder = (0,
        _literal.default)(formatter, tpl, (0, _options.merge)(cachedOpts, NO_PLACEHOLDER));\n
        templateAstCache.set(tpl, builder);\n
      };\n
      return
      builder(args);\n
    };\n
\n    throw new
    Error("Unexpected template param ${typeof tpl}");\n
  };\n
});\n\nfunction extendedTrace(fn) {\n
  let rootStack =
  "";\n
  try {\n
    throw new Error();\n
  } catch (error) {\n
    if (error.stack) {\n
      rootStack =
      error.stack.split("\n").slice(3).join("\n");\n
    };\n
  };\n
  return arg => {\n
    try {\n
      return fn(arg);\n
    } catch
    (err) {\n
      err.stack += `\n =====\n${rootStack}`;\n
      throw err;\n
    };\n
  };\n
};\n\n"use
strict";\n\nObject.defineProperty(exports, "__esModule", { value: true });\n\nexports.default =
stringTemplate;\n\nvar _options = require("./options");\n\nvar _parse =
_interopRequireDefault(require("./parse"));
\n\nvar _populate =
_interopRequireDefault(require("./populate"));
\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction stringTemplate(formatter, code, opts) {\n
  code =

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formatter.code(code);\n let metadata;\n return arg => {\n  const replacements = (0,\n  _options.normalizeReplacements)(arg);\n  if (!metadata) metadata = (0, _parse.default)(formatter, code, opts);\n  return formatter.unwrap((0, _populate.default)(metadata, replacements));\n };}\n","use\nstrict";\n\nObject.defineProperty(exports, '__esModule', { value: true });\n\nconst beforeExpr = true;\nconst\nstartsExpr = true;\nconst isLoop = true;\nconst isAssign = true;\nconst prefix = true;\nconst postfix = true;\n\nclass\nTokenType {\n  constructor(label, conf = {}) {\n    this.label = void 0;\n    this.keyword = void 0;\n\n    this.beforeExpr = void 0;\n    this.startsExpr = void 0;\n    this.rightAssociative = void 0;\n    this.isLoop = void 0;\n    this.isAssign = void 0;\n    this.prefix = void 0;\n    this.postfix = void 0;\n    this.binop = void 0;\n\n    this.updateContext = void 0;\n    this.label = label;\n    this.keyword = conf.keyword;\n    this.beforeExpr =\n    !!conf.beforeExpr;\n    this.startsExpr = !!conf.startsExpr;\n    this.rightAssociative = !!conf.rightAssociative;\n    this.isLoop = !!conf.isLoop;\n    this.isAssign = !!conf.isAssign;\n    this.prefix = !!conf.prefix;\n    this.postfix =\n    !!conf.postfix;\n    this.binop = conf.binop != null ? conf.binop : null;\n    this.updateContext = null;\n  }\n}\n\nconst\nkeywords$1 = new Map();\n\nfunction createKeyword(name, options = {}) {\n  options.keyword = name;\n  const\n  token = new TokenType(name, options);\n  keywords$1.set(name, token);\n  return token;\n}\n\nfunction\ncreateBinop(name, binop) {\n  return new TokenType(name, {\n    beforeExpr,\n    binop\n });\n}\n\nconst types$1\n= {\n  num: new TokenType("num", {\n    startsExpr\n }),\n  bigint: new TokenType("bigint", {\n    startsExpr\n\n\n}),\n  decimal: new TokenType("decimal", {\n    startsExpr\n\n\n}),\n  regexp: new TokenType("regexp", {\n    startsExpr\n\n\n}),\n  string: new TokenType("string", {\n    startsExpr\n\n\n}),\n  name: new TokenType("name", {\n    startsExpr\n\n\n}),\n  privateName: new TokenType("#name", {\n    startsExpr\n\n\n}),\n  eof: new\n  TokenType("eof"),\n  bracketL: new TokenType("[", {\n    beforeExpr,\n    startsExpr\n\n\n}),\n  bracketHashL:\n  new TokenType("#[", {\n    beforeExpr,\n    startsExpr\n\n\n}),\n  bracketBarL: new TokenType("|", {\n    beforeExpr,\n    startsExpr\n\n\n}),\n  bracketR: new TokenType("]"),\n  bracketBarR: new TokenType("|]"),\n  braceL: new TokenType("{", {\n    beforeExpr,\n    startsExpr\n\n\n}),\n  braceBarL: new TokenType("{|", {\n    beforeExpr,\n    startsExpr\n\n\n}),\n  braceHashL: new TokenType("#{", {\n    beforeExpr,\n    startsExpr\n\n\n}),\n  braceR: new TokenType("}"),\n  braceBarR: new TokenType("}|"),\n  parenL: new TokenType("(", {\n    beforeExpr,\n    startsExpr\n\n\n}),\n  parenR: new TokenType(")"),\n  comma: new TokenType(","),\n  semi: new TokenType(";"),\n  colon: new TokenType(":"),\n  doubleColon: new TokenType("::"),\n  dot: new TokenType("."),\n  question: new TokenType("?"),\n  questionDot: new TokenType("?."),\n  arrow: new\n  TokenType("=>", {\n    beforeExpr\n\n\n}),\n  template: new TokenType("template"),\n  ellipsis: new\n  TokenType("...", {\n    beforeExpr\n\n\n}),\n  backQuote: new TokenType("`", {\n    startsExpr\n\n\n}),\n  dollarBraceL: new TokenType("${", {\n    beforeExpr,\n    startsExpr\n\n\n}),\n  at: new TokenType("@"),\n  hash:\n  new TokenType("#", {\n    startsExpr\n\n\n}),\n  interpreterDirective: new TokenType("#!..."),\n  eq: new\n  TokenType("=", {\n    beforeExpr,\n    isAssign\n\n\n}),\n  assign: new TokenType("_=", {\n    beforeExpr,\n    isAssign\n\n\n}),\n  incDec: new TokenType("++/--", {\n    prefix,\n    postfix,\n    startsExpr\n\n\n}),\n  bang: new\n  TokenType("!", {\n    beforeExpr,\n    prefix,\n    startsExpr\n\n\n}),\n  tilde: new TokenType("~", {\n    beforeExpr,\n    prefix,\n    startsExpr\n\n\n}),\n  pipeline: createBinop("|>", 0),\n  nullishCoalescing:\n  createBinop("??", 1),\n  logicalOR: createBinop("||", 1),\n  logicalAND: createBinop("&&", 2),\n  bitwiseOR:\n  createBinop("|", 3),\n  bitwiseXOR: createBinop("^", 4),\n  bitwiseAND: createBinop("&", 5),\n  equality:\n  createBinop("==/!=/===/!==", 6),\n  relational: createBinop("</><=>=", 7),\n  bitShift:\n  createBinop("<</>>>>", 8),\n  plusMin: new TokenType("+/-", {\n    beforeExpr,\n    binop: 9,\n    prefix,\n    startsExpr\n\n\n}),\n  modulo: new TokenType("%", {\n    beforeExpr,\n    binop: 10,\n    startsExpr\n\n\n}),\n  star: new\n  TokenType("*", {\n    binop: 10\n\n\n}),\n  slash: createBinop("/", 10),\n  exponent: new TokenType("**", {\n    beforeExpr,\n    binop: 11,\n    rightAssociative: true\n\n\n}),\n  _break: createKeyword("break"),\n  _case:\n  createKeyword("case", {\n    beforeExpr\n\n\n}),\n  _catch: createKeyword("catch"),\n  _continue:\n  createKeyword("continue"),\n  _debugger: createKeyword("debugger"),\n  _default: createKeyword("default",\n  {\n    beforeExpr\n\n\n}),\n  _do: createKeyword("do", {\n    isLoop,\n    beforeExpr\n\n\n}),\n  _else:\n  createKeyword("else", {\n    beforeExpr\n\n\n}),\n  _finally: createKeyword("finally"),\n  _for:

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createKeyword("\for", {\n isLoop\n }),\n _function: createKeyword("function", {\n startsExpr\n }),\n _if:
createKeyword("\if"),\n _return: createKeyword("\return", {\n beforeExpr\n }),\n _switch:
createKeyword("\switch"),\n _throw: createKeyword("\throw", {\n beforeExpr,\n prefix,\n startsExpr\n }),\n
_try: createKeyword("\try"),\n _var: createKeyword("var"),\n _const: createKeyword("const"),\n _while:
createKeyword("\while", {\n isLoop\n }),\n _with: createKeyword("\with"),\n _new: createKeyword("new",
{\n beforeExpr,\n startsExpr\n }),\n _this: createKeyword("this", {\n startsExpr\n }),\n _super:
createKeyword("super", {\n startsExpr\n }),\n _class: createKeyword("class", {\n startsExpr\n }),\n
_extends: createKeyword("extends", {\n beforeExpr\n }),\n _export: createKeyword("export"),\n _import:
createKeyword("import", {\n startsExpr\n }),\n _null: createKeyword("null", {\n startsExpr\n }),\n _true:
createKeyword("true", {\n startsExpr\n }),\n _false: createKeyword("false", {\n startsExpr\n }),\n _in:
createKeyword("in", {\n beforeExpr,\n binop: 7\n }),\n _instanceof: createKeyword("instanceof", {\n
beforeExpr,\n binop: 7\n }),\n _typeof: createKeyword("typeof", {\n beforeExpr,\n prefix,\n startsExpr\n
}),\n _void: createKeyword("void", {\n beforeExpr,\n prefix,\n startsExpr\n }),\n _delete:
createKeyword("\delete", {\n beforeExpr,\n prefix,\n startsExpr\n })};\n\nconst lineBreak =
^\r\n?[\n\u2028\u2029];\nconst lineBreakG = new RegExp(lineBreak.source, "g");\nfunction isNewLine(code)
{\n switch (code) {\n case 10:\n case 13:\n case 8232:\n case 8233:\n return true;\n\n default:\n
return false;\n }\n}\nconst skipWhiteSpace = /(?:\s|\\|\/.*|\\|*[\^]?\\|\/)*g;\nfunction isWhitespace(code) {\n
switch (code) {\n case 0x0009:\n case 0x000b:\n case 0x000c:\n case 32:\n case 160:\n case 5760:\n
case 0x2000:\n case 0x2001:\n case 0x2002:\n case 0x2003:\n case 0x2004:\n case 0x2005:\n case
0x2006:\n case 0x2007:\n case 0x2008:\n case 0x2009:\n case 0x200a:\n case 0x202f:\n case 0x205f:\n
case 0x3000:\n case 0xfeff:\n return true;\n\n default:\n return false;\n }\n}\n\nclass Position {\n
constructor(line, col) {\n this.line = void 0;\n this.column = void 0;\n this.line = line;\n this.column = col;\n
}\n}\n\nclass SourceLocation {\n constructor(start, end) {\n this.start = void 0;\n this.end = void 0;\n
this.filename = void 0;\n this.identifierName = void 0;\n this.start = start;\n this.end = end;\n }\n}\n
\nfunction getLineInfo(input, offset) {\n let line = 1;\n let lineStart = 0;\n let match;\n lineBreakG.lastIndex = 0;\n\n while
((match = lineBreakG.exec(input)) && match.index < offset) {\n line++;\n lineStart = lineBreakG.lastIndex;\n
}\n\n return new Position(line, offset - lineStart);\n}\n\nclass BaseParser {\n constructor() {\n
this.sawUnambiguousESM = false;\n this.ambiguousScriptDifferentAst = false;\n }\n\n hasPlugin(name) {\n
return this.plugins.has(name);\n }\n\n getPluginOption(plugin, name) {\n if (this.hasPlugin(plugin)) return
this.plugins.get(plugin)[name];\n }\n}\n\nfunction last(stack) {\n return stack[stack.length - 1];\n}\n\nclass
CommentsParser extends BaseParser {\n addComment(comment) {\n if (this.filename) comment.loc.filename =
this.filename;\n this.state.trailingComments.push(comment);\n this.state.leadingComments.push(comment);\n
}\n\n adjustCommentsAfterTrailingComma(node, elements, takeAllComments) {\n if
(this.state.leadingComments.length === 0) {\n return;\n }\n\n let lastElement = null;\n let i =
elements.length;\n\n while (lastElement === null && i > 0) {\n lastElement = elements[--i];\n }\n\n if
(lastElement === null) {\n return;\n }\n\n for (let j = 0; j < this.state.leadingComments.length; j++) {\n if
(this.state.leadingComments[j].end < this.state.commentPreviousNode.end) {\n
this.state.leadingComments.splice(j, 1);\n j--;\n }\n }\n\n const newTrailingComments = [];\n\n for (let
i = 0; i < this.state.leadingComments.length; i++) {\n const leadingComment =
this.state.leadingComments[i];\n\n if (leadingComment.end < node.end) {\n
newTrailingComments.push(leadingComment);\n\n if (!takeAllComments) {\n
this.state.leadingComments.splice(i, 1);\n i--;\n }\n }\n } else {\n if (node.trailingComments ===
undefined) {\n node.trailingComments = [];\n }\n\n node.trailingComments.push(leadingComment);\n
}\n }\n\n if (takeAllComments) this.state.leadingComments = [];\n\n if (newTrailingComments.length > 0)
{\n lastElement.trailingComments = newTrailingComments;\n } else if (lastElement.trailingComments !==
undefined) {\n lastElement.trailingComments = [];\n }\n }\n\n processComment(node) {\n if (node.type ===
"Program" && node.body.length > 0) return;\n const stack = this.state.commentStack;\n let firstChild,
lastChild, trailingComments, i, j;\n\n if (this.state.trailingComments.length > 0) {\n if

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(this.state.trailingComments[0].start >= node.end) {\n    trailingComments = this.state.trailingComments;\n
this.state.trailingComments = [];\n } else {\n    this.state.trailingComments.length = 0;\n } else if
(stack.length > 0) {\n    const lastInStack = last(stack);\n    if (lastInStack.trailingComments &&
lastInStack.trailingComments[0].start >= node.end) {\n        trailingComments = lastInStack.trailingComments;\n
delete lastInStack.trailingComments;\n    }\n    if (stack.length > 0 && last(stack).start >= node.start) {\n
firstChild = stack.pop();\n    }\n    while (stack.length > 0 && last(stack).start >= node.start) {\n        lastChild =
stack.pop();\n    }\n    if (!lastChild && firstChild) lastChild = firstChild;\n    if (firstChild) {\n        switch
(node.type) {\n            case \"ObjectExpression\":\n                this.adjustCommentsAfterTrailingComma(node,
node.properties);\n                break;\n            case \"ObjectPattern\":\n
this.adjustCommentsAfterTrailingComma(node, node.properties, true);\n                break;\n            case
\"CallExpression\":\n                this.adjustCommentsAfterTrailingComma(node, node.arguments);\n                break;\n
case \"ArrayExpression\":\n                this.adjustCommentsAfterTrailingComma(node, node.elements);\n
break;\n            case \"ArrayPattern\":\n                this.adjustCommentsAfterTrailingComma(node, node.elements,
true);\n                break;\n        }\n    } else if (this.state.commentPreviousNode &&
(this.state.commentPreviousNode.type === \"ImportSpecifier\" && node.type !== \"ImportSpecifier\" ||
this.state.commentPreviousNode.type === \"ExportSpecifier\" && node.type !== \"ExportSpecifier\")) {\n
this.adjustCommentsAfterTrailingComma(node, [this.state.commentPreviousNode]);\n    }\n    if (lastChild) {\n
if (lastChild.leadingComments) {\n        if (lastChild !== node && lastChild.leadingComments.length > 0 &&
last(lastChild.leadingComments).end <= node.start) {\n            node.leadingComments =
lastChild.leadingComments;\n            delete lastChild.leadingComments;\n        } else {\n            for (i =
lastChild.leadingComments.length - 2; i >= 0; --i) {\n                if (lastChild.leadingComments[i].end <= node.start)
{\n                    node.leadingComments = lastChild.leadingComments.splice(0, i + 1);\n                    break;\n                }\n            }\n        } else if (this.state.leadingComments.length > 0) {\n            if (last(this.state.leadingComments).end
<= node.start) {\n                if (this.state.commentPreviousNode) {\n                    for (j = 0; j <
this.state.leadingComments.length; j++) {\n                        if (this.state.leadingComments[j].end <
this.state.commentPreviousNode.end) {\n                            this.state.leadingComments.splice(j, 1);\n                            j--;\n                        }\n                    }\n                }\n                if (this.state.leadingComments.length > 0) {\n                    node.leadingComments =
this.state.leadingComments;\n                    this.state.leadingComments = [];\n                } else {\n                    for (i = 0; i <
this.state.leadingComments.length; i++) {\n                        if (this.state.leadingComments[i].end > node.start) {\n
break;\n                        }\n                    }\n                }\n                const leadingComments = this.state.leadingComments.slice(0, i);\n                if
(leadingComments.length) {\n                    node.leadingComments = leadingComments;\n                }\n                trailingComments = this.state.leadingComments.slice(i);\n                if (trailingComments.length === 0) {\n
trailingComments = null;\n                }\n                this.state.commentPreviousNode = node;\n                if
(trailingComments) {\n                    if (trailingComments.length && trailingComments[0].start >= node.start &&
last(trailingComments).end <= node.end) {\n                        node.innerComments = trailingComments;\n                    } else {\n
const firstTrailingCommentIndex = trailingComments.findIndex(comment => comment.end >= node.end);\n                    if
(firstTrailingCommentIndex > 0) {\n                        node.innerComments = trailingComments.slice(0,
firstTrailingCommentIndex);\n                        node.trailingComments =
trailingComments.slice(firstTrailingCommentIndex);\n                    } else {\n                        node.trailingComments =
trailingComments;\n                    }\n                }\n            }\n            stack.push(node);\n        }\n    }\n    }\n    }\n    }\n    const ErrorCodes = Object.freeze({\n
SyntaxError: \"BABEL_PARSER_SYNTAX_ERROR\",\n    SourceTypeModuleError:
\"BABEL_PARSER_SOURCETYPE_MODULE_REQUIRED\"\n    });\n    const ErrorMessage =
makeErrorTemplates({\n        AccessorIsGenerator: \"A %0ter cannot be a generator.\",\n        ArgumentsInClass:
\"'arguments' is only allowed in functions and class methods.\",\n        AsyncFunctionInSingleStatementContext:
\"Async functions can only be declared at the top level or inside a block.\",\n        AwaitBindingIdentifier: \"Can not use
'await' as identifier inside an async function.\",\n        AwaitBindingIdentifierInStaticBlock: \"Can not use 'await' as
identifier inside a static block.\",\n        AwaitExpressionFormalParameter: \"'await' is not allowed in async function
parameters.\",\n        AwaitNotInAsyncContext: \"'await' is only allowed within async functions and at the top levels of

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modules.\",\n AwaitNotInAsyncFunction: '\"await' is only allowed within async functions.\",\n BadGetterArity: '\"A 'get' accessor must not have any formal parameters.\",\n BadSetterArity: '\"A 'set' accessor must have exactly one formal parameter.\",\n BadSetterRestParameter: '\"A 'set' accessor function argument must not be a rest parameter.\",\n ConstructorClassField: '\"Classes may not have a field named 'constructor'.\",\n ConstructorClassPrivateField: '\"Classes may not have a private field named '#constructor'.\",
ConstructorIsAccessor: '\"Class constructor may not be an accessor.\",\n ConstructorIsAsync: '\"Constructor can't be an async function.\",\n ConstructorIsGenerator: '\"Constructor can't be a generator.\",\n DeclarationMissingInitializer: '\"%0' require an initialization value.\",\n DecoratorBeforeExport: '\"Decorators must be placed *before* the 'export' keyword. You can set the 'decoratorsBeforeExport' option to false to use the 'export @decorator class {}' syntax.\",\n DecoratorConstructor: '\"Decorators can't be used with a constructor. Did you mean '@dec class { ... }'?\",
DecoratorExportClass: '\"Using the export keyword between a decorator and a class is not allowed. Please use `export @dec class` instead.\",\n DecoratorSemicolon: '\"Decorators must not be followed by a semicolon.\",\n DecoratorStaticBlock: '\"Decorators can't be used with a static block.\",\n DeletePrivateField: '\"Deleting a private field is not allowed.\",\n DestructureNamedImport: '\"ES2015 named imports do not destructure. Use another statement for destructuring after the import.\",\n DuplicateConstructor: '\"Duplicate constructor in the same class.\",\n DuplicateDefaultExport: '\"Only one default export allowed per module.\",\n DuplicateExport: '\"%0` has already been exported. Exported identifiers must be unique.\",\n DuplicateProto: '\"Redefinition of __proto__ property.\",\n DuplicateRegExpFlags: '\"Duplicate regular expression flag.\",\n ElementAfterRest: '\"Rest element must be last element.\",\n EscapedCharNotAnIdentifier: '\"Invalid Unicode escape.\",\n ExportBindingIsString: '\"A string literal cannot be used as an exported binding without `from`.\\n- Did you mean `export { %0 as %1 } from 'some-module`?\",
ExportDefaultFromAsIdentifier: '\"'from' is not allowed as an identifier after 'export default'.\",
ForInOfLoopInitializer: '\"%0' loop variable declaration may not have an initializer.\",\n ForOfAsync: '\"The left-hand side of a for-of loop may not be 'async'.\",
ForOfLet: '\"The left-hand side of a for-of loop may not start with 'let'.\",
GeneratorInSingleStatementContext: '\"Generators can only be declared at the top level or inside a block.\",\n IllegalBreakContinue: '\"Unsyntactic %0.\",\n IllegalLanguageModeDirective: '\"Illegal 'use strict' directive in function with non-simple parameter list.\",\n IllegalReturn: '\"'return' outside of function.\",\n ImportBindingIsString: '\"A string literal cannot be used as an imported binding.\\n- Did you mean `import { \"%0\" as foo }`?\",
ImportCallArgumentTrailingComma: '\"Trailing comma is disallowed inside import(...) arguments.\",\n ImportCallArity: '\"`import()` requires exactly %0.\",\n ImportCallNotNewExpression: '\"Cannot use new with import(...).\",
ImportCallSpreadArgument: '\"`...` is not allowed in `import()`.\",
InvalidBigIntLiteral: '\"Invalid BigIntLiteral.\",\n InvalidCodePoint: '\"Code point out of bounds.\",\n InvalidDecimal: '\"Invalid decimal.\",\n InvalidDigit: '\"Expected number in radix %0.\",\n InvalidEscapeSequence: '\"Bad character escape sequence.\",\n InvalidEscapeSequenceTemplate: '\"Invalid escape sequence in template.\",\n InvalidEscapedReservedWord: '\"Escape sequence in keyword %0.\",\n InvalidIdentifier: '\"Invalid identifier %0.\",\n InvalidLhs: '\"Invalid left-hand side in %0.\",\n InvalidLhsBinding: '\"Binding invalid left-hand side in %0.\",\n InvalidNumber: '\"Invalid number.\",\n InvalidOrMissingExponent: '\"Floating-point numbers require a valid exponent after the 'e'.\",
InvalidOrUnexpectedToken: '\"Unexpected character '%0'.\",
InvalidParenthesizedAssignment: '\"Invalid parenthesized assignment pattern.\",\n InvalidPrivateFieldResolution: '\"Private name #%0 is not defined.\",\n InvalidPropertyBindingPattern: '\"Binding member expression.\",\n InvalidRecordProperty: '\"Only properties and spread elements are allowed in record definitions.\",\n InvalidRestAssignmentPattern: '\"Invalid rest operator's argument.\",\n LabelRedeclaration: '\"Label '%0' is already declared.\",\n LetInLexicalBinding: '\"let' is not allowed to be used as a name in 'let' or 'const' declarations.\",\n LineTerminatorBeforeArrow: '\"No line break is allowed before '=>'.\",
MalformedRegExpFlags: '\"Invalid regular expression flag.\",\n MissingClassName: '\"A class name is required.\",\n MissingEqInAssignment: '\"Only '=' operator can be used for specifying default value.\",\n MissingSemicolon: '\"Missing semicolon.\",\n MissingUnicodeEscape: '\"Expecting Unicode escape sequence \\uXXXX.\",\n MixingCoalesceWithLogical: '\"Nullish coalescing operator(??) requires parens when mixing with logical operators.\",\n ModuleAttributeDifferentFromType: '\"The only accepted module attribute is `type`.\",\n

ModuleAttributeInvalidValue: \"Only string literals are allowed as module attribute values.\",\n
ModuleAttributesWithDuplicateKeys: 'Duplicate key \"%0\" is not allowed in module attributes.',\n
ModuleExportNameHasLoneSurrogate: \"An export name cannot include a lone surrogate, found '\\\\u%0'.\", \n
ModuleExportUndefined: \"Export '%0' is not defined.\",\n
MultipleDefaultsInSwitch: \"Multiple default clauses.\",\n
NewlineAfterThrow: \"Illegal newline after throw.\",\n
NoCatchOrFinally: \"Missing catch or finally clause.\",\n
NumberIdentifier: \"Identifier directly after number.\",\n
NumericSeparatorInEscapeSequence: \"Numeric separators are not allowed inside unicode escape sequences or hex escape sequences.\",\n
ObsoleteAwaitStar: \"await* has been removed from the async functions proposal. Use Promise.all() instead.\",\n
OptionalChainingNoNew: \"Constructors in/after an Optional Chain are not allowed.\",\n
OptionalChainingNoTemplate: \"Tagged Template Literals are not allowed in optionalChain.\",\n
OverrideOnConstructor: \"'override' modifier cannot appear on a constructor declaration.\",\n
ParamDupe: \"Argument name clash.\",\n
PatternHasAccessor: \"Object pattern can't contain getter or setter.\",\n
PatternHasMethod: \"Object pattern can't contain methods.\",\n
PipelineBodyNoArrow: 'Unexpected arrow \"=>\" after pipeline body; arrow function in pipeline body must be parenthesized.',\n
PipelineBodySequenceExpression: \"Pipeline body may not be a comma-separated sequence expression.\",\n
PipelineHeadSequenceExpression: \"Pipeline head should not be a comma-separated sequence expression.\",\n
PipelineTopicUnused: \"Pipeline is in topic style but does not use topic reference.\",\n
PrimaryTopicNotAllowed: \"Topic reference was used in a lexical context without topic binding.\",\n
PrimaryTopicRequiresSmartPipeline: \"Primary Topic Reference found but pipelineOperator not passed 'smart' for 'proposal' option.\",\n
PrivateInExpectedIn: \"Private names are only allowed in property accesses (obj.#%0) or in `in` expressions (%0 in obj).\", \n
PrivateNameRedeclaration: \"Duplicate private name %0.\",\n
RecordExpressionBarIncorrectEndSyntaxType: \"Record expressions ending with '|' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'.\", \n
RecordExpressionBarIncorrectStartSyntaxType: \"Record expressions starting with '{' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'.\", \n
RecordExpressionHashIncorrectStartSyntaxType: \"Record expressions starting with '#{ are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'.\", \n
RecordNoProto: \"__proto__ is not allowed in Record expressions.\",\n
RestTrailingComma: \"Unexpected trailing comma after rest element.\",\n
SloppyFunction: \"In non-strict mode code, functions can only be declared at top level, inside a block, or as the body of an if statement.\",\n
StaticPrototype: \"Classes may not have static property named prototype.\",\n
StrictDelete: \"Deleting local variable in strict mode.\",\n
StrictEvalArguments: \"Assigning to '%0' in strict mode.\",\n
StrictEvalArgumentsBinding: \"Binding '%0' in strict mode.\",\n
StrictFunction: \"In strict mode code, functions can only be declared at top level or inside a block.\",\n
StrictNumericEscape: \"The only valid numeric escape in strict mode is '\\\\0'.\", \n
StrictOctalLiteral: \"Legacy octal literals are not allowed in strict mode.\",\n
StrictWith: \"'with' in strict mode.\",\n
SuperNotAllowed: \"super() is only valid inside a class constructor of a subclass. Maybe a typo in the method name ('constructor') or not extending another class?\", \n
SuperPrivateField: \"Private fields can't be accessed on super.\",\n
TrailingDecorator: \"Decorators must be attached to a class element.\",\n
TupleExpressionBarIncorrectEndSyntaxType: \"Tuple expressions ending with '|' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'.\", \n
TupleExpressionBarIncorrectStartSyntaxType: \"Tuple expressions starting with '[' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'.\", \n
TupleExpressionHashIncorrectStartSyntaxType: \"Tuple expressions starting with '#[' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'.\", \n
UnexpectedArgumentPlaceholder: \"Unexpected argument placeholder.\",\n
UnexpectedAwaitAfterPipelineBody: 'Unexpected \"await\" after pipeline body; await must have parentheses in minimal proposal.',\n
UnexpectedDigitAfterHash: \"Unexpected digit after hash token.\",\n
UnexpectedImportExport: \"'import' and 'export' may only appear at the top level.\",\n
UnexpectedKeyword: \"Unexpected keyword '%0'.\", \n
UnexpectedLeadingDecorator: \"Leading decorators must be attached to a class declaration.\",\n
UnexpectedLexicalDeclaration: \"Lexical declaration cannot appear in a single-statement context.\",\n
UnexpectedNewTarget: \"new.target` can only be used in functions or class

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properties.\",\n UnexpectedNumericSeparator: \"A numeric separator is only allowed between two digits.\",\n
UnexpectedPrivateField: \"Private names can only be used as the name of a class element (i.e. class C { #p = 42;
#m() { } })\n or a property of member expression (i.e. this.#p).\",\n UnexpectedReservedWord: \"Unexpected
reserved word '%0'.\", \n UnexpectedSuper: \"'super' is only allowed in object methods and classes.\",\n
UnexpectedToken: \"Unexpected token '%0'.\", \n UnexpectedTokenUnaryExponentiation: \"Illegal expression.
Wrap left hand side or entire exponentiation in parentheses.\", \n UnsupportedBind: \"Binding should be performed
on object property.\", \n UnsupportedDecoratorExport: \"A decorated export must export a class declaration.\", \n
UnsupportedDefaultExport: \"Only expressions, functions or classes are allowed as the `default` export.\", \n
UnsupportedImport: \"`import` can only be used in `import()` or `import.meta`.\", \n UnsupportedMetaProperty:
\"The only valid meta property for %0 is %0.%1.\", \n UnsupportedParameterDecorator: \"Decorators cannot be
used to decorate parameters.\", \n UnsupportedPropertyDecorator: \"Decorators cannot be used to decorate object
literal properties.\", \n UnsupportedSuper: \"'super' can only be used with function calls (i.e. super()) or in property
accesses (i.e. super.prop or super[prop]).\", \n UnterminatedComment: \"Unterminated comment.\", \n
UnterminatedRegExp: \"Unterminated regular expression.\", \n UnterminatedString: \"Unterminated string
constant.\", \n UnterminatedTemplate: \"Unterminated template.\", \n VarRedeclaration: \"Identifier '%0' has already
been declared.\", \n YieldBindingIdentifier: \"Can not use 'yield' as identifier inside a generator.\", \n
YieldInParameter: \"Yield expression is not allowed in formal parameters.\", \n ZeroDigitNumericSeparator:
\"Numeric separator can not be used after leading 0.\", \n }, ErrorCodes.SyntaxError);
const
SourceTypeModuleErrorMessages = makeErrorTemplates({\n ImportMetaOutsideModule: `import.meta may
appear only with 'sourceType: \"module\"`,\n ImportOutsideModule: `import' and 'export' may appear only with
'sourceType: \"module\"`\n }, ErrorCodes.SourceTypeModuleError);
function makeErrorTemplates(messages, code) {\n const templates = {};\n Object.keys(messages).forEach(reasonCode => {\n templates[reasonCode] =
Object.freeze({\n code,\n reasonCode,\n template: messages[reasonCode]\n });\n });\n return
Object.freeze(templates);\n }\n class ParserError extends CommentsParser {\n getLocationForPosition(pos) {\n let
loc;\n if (pos === this.state.start) loc = this.state.startLoc; else if (pos === this.state.lastTokStart) loc =
this.state.lastTokStartLoc; else if (pos === this.state.end) loc = this.state.endLoc; else if (pos ===
this.state.lastTokEnd) loc = this.state.lastTokEndLoc; else loc = getLineInfo(this.input, pos);\n return loc;\n }\n
raise(pos, {\n code,\n reasonCode,\n template\n }, ...params) {\n return this.raiseWithData(pos, {\n
code,\n reasonCode\n }, template, ...params);\n }\n raiseOverwrite(pos, {\n code,\n template\n },
...params) {\n const loc = this.getLocationForPosition(pos);\n const message = template.replace(/%(\d+)/g, (_, i)
=> params[i] + ` (${loc.line}:${loc.column})`;\n if (this.options.errorRecovery) {\n const errors =
this.state.errors;\n for (let i = errors.length - 1; i >= 0; i--) {\n const error = errors[i];\n if (error.pos
=== pos) {\n return Object.assign(error, {\n message\n });\n } else if (error.pos < pos) {\n
break;\n }\n }\n }\n return this._raise({\n code,\n loc,\n pos\n }, message);\n }\n
raiseWithData(pos, data, errorTemplate, ...params) {\n const loc = this.getLocationForPosition(pos);\n const
message = errorTemplate.replace(/%(\d+)/g, (_, i) => params[i] + ` (${loc.line}:${loc.column})`;\n return
this._raise(Object.assign({\n loc,\n pos\n }, data), message);\n }\n _raise(errorContext, message) {\n
const err = new SyntaxError(message);\n Object.assign(err, errorContext);\n if (this.options.errorRecovery) {\n
if (!this.isLookahead) this.state.errors.push(err);\n return err;\n } else {\n throw err;\n }\n }\n }\n
nvar
estree = (superClass => class extends superClass {\n estreeParseRegExpLiteral({\n pattern,\n flags\n }) {\n
let regex = null;\n try {\n regex = new RegExp(pattern, flags);\n } catch (e) {\n }\n const node =
this.estreeParseLiteral(regex);\n node.regex = {\n pattern,\n flags\n }; return node;\n }\n
estreeParseBigIntLiteral(value) {\n let bigInt;\n try {\n bigInt = BigInt(value);\n } catch (_unused) {\n
bigInt = null;\n }\n const node = this.estreeParseLiteral(bigInt);\n node.bigint = String(node.value || value);\n
return node;\n }\n estreeParseDecimalLiteral(value) {\n const decimal = null;\n const node =
this.estreeParseLiteral(decimal);\n node.decimal = String(node.value || value);\n return node;\n }\n
estreeParseLiteral(value) {\n return this.parseLiteral(value, \"Literal\");\n }\n directiveToStmt(directive) {\n
const directiveLiteral = directive.value;\n const stmt = this.startNodeAt(directive.start, directive.loc.start);\n

```



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const expression = this.startNodeAt(directiveLiteral.start, directiveLiteral.loc.start);
expression.value = directiveLiteral.extra.expressionValue;
expression.raw = directiveLiteral.extra.raw;
stmt.expression = this.finishNodeAt(expression, "Literal", directiveLiteral.end, directiveLiteral.loc.end);
stmt.directive = directiveLiteral.extra.raw.slice(1, -1);
return this.finishNodeAt(stmt, "ExpressionStatement", directive.end, directive.loc.end);
}

initFunction(node, isAsync) {
super.initFunction(node, isAsync);
node.expression = false;
}

checkDeclaration(node) {
if (node != null && this.isObjectProperty(node)) {
this.checkDeclaration(node.value);
} else {
super.checkDeclaration(node);
}
}

getObjectOrClassMethodParams(method) {
return method.value.params;
}

isValidDirective(stmt) {
var _stmt$expression$extr;
return stmt.type === "ExpressionStatement" && stmt.expression.type === "Literal" && typeof stmt.expression.value === "string" && !((_stmt$expression$extr = stmt.expression.extra) != null && _stmt$expression$extr.parenthesized);
}

stmtToDirective(stmt) {
const directive = super.stmtToDirective(stmt);
const value = stmt.expression.value;
this.addExtra(directive.value, "expressionValue", value);
return directive;
}

parseBlockBody(node, ...args) {
super.parseBlockBody(node, ...args);
const directiveStatements = node.directives.map(d => this.directiveToStmt(d));
node.body = directiveStatements.concat(node.body);
delete node.directives;
}

pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {
this.parseMethod(method, isGenerator, isAsync, isConstructor, allowsDirectSuper, "ClassMethod", true);
if (method.typeParameters) {
method.value.typeParameters = method.typeParameters;
delete method.typeParameters;
}
classBody.body.push(method);
}

parseExprAtom(refExpressionErrors) {
switch (this.state.type) {
case types$1.num:
case types$1.string:
return this.estreeParseLiteral(this.state.value);
case types$1.regex:
return this.estreeParseRegExpLiteral(this.state.value);
case types$1.bigint:
return this.estreeParseBigIntLiteral(this.state.value);
case types$1.decimal:
return this.estreeParseDecimalLiteral(this.state.value);
case types$1._null:
return this.estreeParseLiteral(null);
case types$1._true:
return this.estreeParseLiteral(true);
case types$1._false:
return this.estreeParseLiteral(false);
default:
return super.parseExprAtom(refExpressionErrors);
}
}

parseMaybePrivateName(...args) {
const node = super.parseMaybePrivateName(...args);
if (node.type === "PrivateName" && this.getPluginOption("estree", "classFeatures")) {
return this.convertPrivateNameToPrivateIdentifier(node);
}
return node;
}

convertPrivateNameToPrivateIdentifier(node) {
const name = super.getPrivateNameSV(node);
node = node;
delete node.id;
node.name = name;
node.type = "PrivateIdentifier";
return node;
}

isPrivateName(node) {
if (!this.getPluginOption("estree", "classFeatures")) {
return super.isPrivateName(node);
}
return node.type === "PrivateIdentifier";
}

getPrivateNameSV(node) {
if (!this.getPluginOption("estree", "classFeatures")) {
return super.getPrivateNameSV(node);
}
return node.name;
}

parseLiteral(value, type, startPos, startLoc) {
const node = super.parseLiteral(value, type, startPos, startLoc);
node.raw = node.extra.raw;
delete node.extra;
return node;
}

parseFunctionBody(node, allowExpression, isMethod = false) {
super.parseFunctionBody(node, allowExpression, isMethod);
node.expression = node.body.type !== "BlockStatement";
}

parseMethod(node, isGenerator, isAsync, isConstructor, allowDirectSuper, type, inClassScope = false) {
let funcNode = this.startNode();
funcNode.kind = node.kind;
funcNode = super.parseMethod(funcNode, isGenerator, isAsync, isConstructor, allowDirectSuper, type, inClassScope);
funcNode.type = "FunctionExpression";
delete funcNode.kind;
node.value = funcNode;
if (type === "ClassPrivateMethod") {
node.computed = false;
}
type = "MethodDefinition";
return this.finishNode(node, type);
}

parseClassProperty(...args) {
const propertyNode = super.parseClassProperty(...args);
if (this.getPluginOption("estree", "classFeatures")) {
propertyNode.type = "PropertyDefinition";
}
return propertyNode;
}

parseClassPrivateProperty(...args) {
const propertyNode = super.parseClassPrivateProperty(...args);
if

```

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(this.getPluginOption("\estree\","classFeatures\")) {\n  propertyNode.type = \"PropertyDefinition\";\n
propertyNode.computed = false;\n  }\n\n  return propertyNode;\n }\n\n parseObjectMethod(prop, isGenerator,
isAsync, isPattern, isAccessor) {\n  const node = super.parseObjectMethod(prop, isGenerator, isAsync, isPattern,
isAccessor);\n\n  if (node) {\n    node.type = \"Property\";\n    if (node.kind === \"method\") node.kind =
\"init\";\n    node.shorthand = false;\n  }\n\n  return node;\n }\n\n parseObjectProperty(prop, startPos, startLoc,
isPattern, refExpressionErrors) {\n  const node = super.parseObjectProperty(prop, startPos, startLoc, isPattern,
refExpressionErrors);\n\n  if (node) {\n    node.kind = \"init\";\n    node.type = \"Property\";\n  }\n\n  return
node;\n }\n\n toAssignable(node, isLHS = false) {\n  if (node != null && this.isObjectProperty(node)) {\n
this.toAssignable(node.value, isLHS);\n  return node;\n }\n\n  return super.toAssignable(node, isLHS);\n }\n\n
toAssignableObjectExpressionProp(prop, ...args) {\n  if (prop.kind === \"get\" || prop.kind === \"set\") {\n
this.raise(prop.key.start, ErrorMessages.PatternHasAccessor);\n  } else if (prop.method) {\n
this.raise(prop.key.start, ErrorMessages.PatternHasMethod);\n  } else {\n
super.toAssignableObjectExpressionProp(prop, ...args);\n  }\n }\n\n finishCallExpression(node, optional) {\n
super.finishCallExpression(node, optional);\n\n  if (node.callee.type === \"Import\") {\n    node.type =
\"ImportExpression\";\n    node.source = node.arguments[0];\n\n    if (this.hasPlugin(\"importAssertions\")) {\n
var _node$arguments$;\n    node.attributes = (_node$arguments$ = node.arguments[1]) != null ?
_node$arguments$ : null;\n  }\n\n  delete node.arguments;\n  delete node.callee;\n }\n\n  return node;\n
}\n\n toReferencedArguments(node) {\n  if (node.type === \"ImportExpression\") {\n    return;\n  }\n\n
super.toReferencedArguments(node);\n }\n\n parseExport(node) {\n  super.parseExport(node);\n\n  switch
(node.type) {\n    case \"ExportAllDeclaration\":\n      node.exported = null;\n      break;\n\n    case
\"ExportNamedDeclaration\":\n      if (node.specifiers.length === 1 && node.specifiers[0].type ===
\"ExportNamespaceSpecifier\") {\n        node.type = \"ExportAllDeclaration\";\n        node.exported =
node.specifiers[0].exported;\n        delete node.specifiers;\n      }\n\n      break;\n    }\n\n  return node;\n }\n\n
parseSubscript(base, startPos, startLoc, noCalls, state) {\n  const node = super.parseSubscript(base, startPos,
startLoc, noCalls, state);\n\n  if (state.optionalChainMember) {\n    if (node.type ===
\"OptionalMemberExpression\" || node.type === \"OptionalCallExpression\") {\n      node.type =
node.type.substring(8);\n    }\n\n    if (state.stop) {\n      const chain = this.startNodeAtNode(node);\n
chain.expression = node;\n      return this.finishNode(chain, \"ChainExpression\");\n    }\n  } else if (node.type
=== \"MemberExpression\" || node.type === \"CallExpression\") {\n    node.optional = false;\n  }\n\n  return
node;\n }\n\n hasPropertyAsPrivateName(node) {\n  if (node.type === \"ChainExpression\") {\n    node =
node.expression;\n  }\n\n  return super.hasPropertyAsPrivateName(node);\n }\n\n isOptionalChain(node) {\n
return node.type === \"ChainExpression\";\n }\n\n isObjectProperty(node) {\n  return node.type === \"Property\"
&& node.kind === \"init\" && !node.method;\n }\n\n isObjectMethod(node) {\n  return node.method || node.kind
=== \"get\" || node.kind === \"set\";\n }\n\n}\n\nclass TokContext {\n  constructor(token, isExpr, preserveSpace,
override) {\n    this.token = void 0;\n    this.isExpr = void 0;\n    this.preserveSpace = void 0;\n    this.override = void
0;\n    this.token = token;\n    this.isExpr = !!isExpr;\n    this.preserveSpace = !!preserveSpace;\n    this.override =
override;\n  }\n\n  \n  const types = {\n    braceStatement: new TokContext(\"{\", false),\n    braceExpression: new
TokContext(\"{\", true),\n    recordExpression: new TokContext(\"#{\", true),\n    templateQuasi: new
TokContext(\"${\", false),\n    parenStatement: new TokContext(\"(\", false),\n    parenExpression: new
TokContext(\"(\", true),\n    template: new TokContext(\"`\", true, true, p => p.readTplToken()),\n
functionExpression: new TokContext(\"function\", true),\n    functionStatement: new TokContext(\"function\",
false)\n  };\n\n  types$.parenR.updateContext = types$.braceR.updateContext = function () {\n    if
(this.state.context.length === 1) {\n      this.state.exprAllowed = true;\n      return;\n    }\n\n    let out =
this.state.context.pop();\n\n    if (out === types.braceStatement && this.curContext().token === \"function\") {\n
out = this.state.context.pop();\n    }\n\n    this.state.exprAllowed = !out.isExpr;\n  };\n\n  types$.name.updateContext =
function (prevType) {\n    let allowed = false;\n\n    if (prevType !== types$.dot) {\n      if (this.state.value === \"of\"
&& !this.state.exprAllowed && prevType !== types$.dot && prevType !== types$.class) {\n        allowed
= true;\n      }\n    }\n\n    this.state.exprAllowed = allowed;\n  };\n\n  types$.braceL.updateContext = function (prevType)

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{\n  this.state.context.push(this.braceIsBlock(prevType) ? types.braceStatement : types.braceExpression);\n  this.state.exprAllowed = true;\n};\n\nntypes$.dollarBraceL.updateContext = function () {\n  this.state.context.push(types.templateQuasi);\n  this.state.exprAllowed = true;\n};\n\nntypes$.parenL.updateContext\n= function (prevType) {\n  const statementParens = prevType === types$.if || prevType === types$.for ||\n  prevType === types$.with || prevType === types$.while;\n  this.state.context.push(statementParens ?\n  types.parenStatement : types.parenExpression);\n  this.state.exprAllowed =\n  true;\n};\n\nntypes$.incDec.updateContext = function () {};\n\nntypes$.function.updateContext =\n  types$.class.updateContext = function (prevType) {\n  if (prevType.beforeExpr && prevType !== types$.semi\n  && prevType !== types$.else && !(prevType === types$.return && this.hasPrecedingLineBreak()) &&\n  !((prevType === types$.colon || prevType === types$.braceL) && this.curContext() === types.b_stat)) {\n  this.state.context.push(types.functionExpression);\n  } else {\n  this.state.context.push(types.functionStatement);\n  }\n\n  this.state.exprAllowed = false;\n};\n\nntypes$.backQuote.updateContext = function () {\n  if\n  (this.curContext() === types.template) {\n  this.state.context.pop();\n  } else {\n  this.state.context.push(types.template);\n  }\n\n  this.state.exprAllowed =\n  false;\n};\n\nntypes$.braceHashL.updateContext = function () {\n  this.state.context.push(types.recordExpression);\n  this.state.exprAllowed = true;\n};\n\nlet nonASCIIIdentifierStartChars = \"|xaa|xb5|xba|xc0-|xd6|xd8-|\n|xf6|xf8-|u02c1|u02c6-|u02d1|u02e0-|u02e4|u02ec|u02ee|u0370-|u0374|u0376|u0377|u037a-|\n|u037d|u037f|u0386|u0388-|u038a|u038c|u038e-|u03a1|u03a3-|u03f5|u03f7-|u0481|u048a-|\n|u052f|u0531-|u0556|u0559|u0560-|u0588|u05d0-|u05ea|u05ef-|u05f2|u0620-|\n|u064a|u066e|u066f|u0671-|u06d3|u06d5|u06e5|u06e6|u06ee|u06ef|u06fa-|u06fc|u06ff|u0710|u0712-|\n|u072f|u074d-|u07a5|u07b1|u07ca-|u07ea|u07f4|u07f5|u07fa|u0800-|u0815|u081a|u0824|u0828|u0840-|\n|u0858|u0860-|u086a|u08a0-|u08b4|u08b6-|u08c7|u0904-|u0939|u093d|u0950|u0958-|u0961|u0971-|\n|u0980|u0985-|u098c|u098f|u0990|u0993-|u09a8|u09aa-|u09b0|u09b2|u09b6-|\n|u09b9|u09bd|u09ce|u09dc|u09dd|u09df-|u09e1|u09f0|u09f1|u09fc|u0a05-|u0a0a|u0a0f|u0a10|u0a13-|\n|u0a28|u0a2a-|u0a30|u0a32|u0a33|u0a35|u0a36|u0a38|u0a39|u0a59-|u0a5c|u0a5e|u0a72-|u0a74|u0a85-|\n|u0a8d|u0a8f-|u0a91|u0a93-|u0aa8|u0aaa-|u0ab0|u0ab2|u0ab3|u0ab5-|\n|u0ab9|u0abd|u0ad0|u0ae0|u0ae1|u0af9|u0b05-|u0b0c|u0b0f|u0b10|u0b13-|u0b28|u0b2a-|\n|u0b30|u0b32|u0b33|u0b35-|u0b39|u0b3d|u0b5c|u0b5d|u0b5f-|u0b61|u0b71|u0b83|u0b85-|\n|u0b8a|u0b8e-|u0b90|u0b92-|u0b95|u0b99|u0b9a|u0b9c|u0b9e|u0b9f|u0ba3|u0ba4|u0ba8-|u0baa|u0bae-|\n|u0bb9|u0bd0|u0c05-|u0c0c|u0c0e-|u0c10|u0c12-|u0c28|u0c2a-|u0c39|u0c3d|u0c58-|\n|u0c5a|u0c60|u0c61|u0c80|u0c85-|u0c8c|u0c8e-|u0c90|u0c92-|u0ca8|u0caa-|u0cb3|u0cb5-|\n|u0cb9|u0cbd|u0cde|u0ce0|u0ce1|u0cf1|u0cf2|u0d04-|u0d0c|u0d0e-|u0d10|u0d12-|\n|u0d3a|u0d3d|u0d4e|u0d54-|u0d56|u0d5f-|u0d61|u0d7a-|u0d7f|u0d85-|u0d96|u0d9a-|u0db1|u0db3-|\n|u0dbb|u0dbd|u0dc0-|u0dc6|u0e01-|u0e30|u0e32|u0e33|u0e40-|u0e46|u0e81|u0e82|u0e84|u0e86-|\n|u0e8a|u0e8c-|u0ea3|u0ea5|u0ea7-|u0eb0|u0eb2|u0eb3|u0ebd|u0ec0-|u0ec4|u0ec6|u0edc-|\n|u0edf|u0f00|u0f40-|u0f47|u0f49-|u0f6c|u0f88-|u0f8c|u1000-|u102a|u103f|u1050-|u1055|u105a-|\n|u105d|u1061|u1065|u1066|u106e-|u1070|u1075-|u1081|u108e|u10a0-|u10c5|u10c7|u10cd|u10d0-|\n|u10fa|u10fc-|u1248|u124a-|u124d|u1250-|u1256|u1258|u125a-|u125d|u1260-|u1288|u128a-|\n|u128d|u1290-|u12b0|u12b2-|u12b5|u12b8-|u12be|u12c0|u12c2-|u12c5|u12c8-|u12d6|u12d8-|\n|u1310|u1312-|u1315|u1318-|u135a|u1380-|u138f|u13a0-|u13f5|u13f8-|u13fd|u1401-|u166c|u166f-|\n|u167f|u1681-|u169a|u16a0-|u16ea|u16ee-|u16f8|u1700-|u170c|u170e-|u1711|u1720-|u1731|u1740-|\n|u1751|u1760-|u176c|u176e-|u1770|u1780-|u17b3|u17d7|u17dc|u1820-|u1878|u1880-|\n|u18a8|u18aa|u18b0-|u18f5|u1900-|u191e|u1950-|u196d|u1970-|u1974|u1980-|u19ab|u19b0-|\n|u19c9|u1a00-|u1a16|u1a20-|u1a54|u1aa7|u1b05-|u1b33|u1b45-|u1b4b|u1b83-|\n|u1ba0|u1bae|u1baf|u1bba-|u1be5|u1c00-|u1c23|u1c4d-|u1c4f|u1c5a-|u1c7d|u1c80-|u1c88|u1c90-|\n|u1cba|u1cbd-|u1cbf|u1ce9-|u1cec|u1cee-|u1cf3|u1cf5|u1cf6|u1cfa|u1d00-|u1dbf|u1e00-|u1f15|u1f18-|\n|u1f1d|u1f20-|u1f45|u1f48-|u1f4d|u1f50-|u1f57|u1f59|u1f5b|u1f5d|u1f5f-|u1f7d|u1f80-|u1fb4|u1fb6-|\n|u1fbc|u1fbe|u1fc2-|u1fc4|u1fc6-|u1fcc|u1fd0-|u1fd3|u1fd6-|u1fdb|u1fe0-|u1fec|u1ff2-|u1ff4|u1ff6-
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\\u1ffc\\u2071\\u207f\\u2090-\\u209c\\u2102\\u2107\\u210a-\\u2113\\u2115\\u2118-
\\u211d\\u2124\\u2126\\u2128\\u212a-\\u2139\\u213c-\\u213f\\u2145-\\u2149\\u214e\\u2160-\\u2188\\u2c00-
\\u2c2e\\u2c30-\\u2c5e\\u2c60-\\u2ce4\\u2ceb-\\u2cee\\u2cf2\\u2cf3\\u2d00-\\u2d25\\u2d27\\u2d2d\\u2d30-
\\u2d67\\u2d6f\\u2d80-\\u2d96\\u2da0-\\u2da6\\u2da8-\\u2dae\\u2db0-\\u2db6\\u2db8-\\u2dbe\\u2dc0-
\\u2dc6\\u2dc8-\\u2dce\\u2dd0-\\u2dd6\\u2dd8-\\u2dde\\u3005-\\u3007\\u3021-\\u3029\\u3031-\\u3035\\u3038-
\\u303c\\u3041-\\u3096\\u309b-\\u309f\\u30a1-\\u30fa\\u30fc-\\u30ff\\u3105-\\u312f\\u3131-\\u318e\\u31a0-
\\u31bf\\u31f0-\\u31ff\\u3400-\\u4dbf\\u4e00-\\u9ffc\\ua000-\\ua48c\\ua4d0-\\ua4fd\\ua500-\\ua60c\\ua610-
\\ua61f\\ua62a\\ua62b\\ua640-\\ua66e\\ua67f-\\ua69d\\ua6a0-\\ua6ef\\ua717-\\ua71f\\ua722-\\ua788\\ua78b-
\\ua7bf\\ua7c2-\\ua7ca\\ua7f5-\\ua801\\ua803-\\ua805\\ua807-\\ua80a\\ua80c-\\ua822\\ua840-\\ua873\\ua882-
\\ua8b3\\ua8f2-\\ua8f7\\ua8fb\\ua8fd\\ua8fe\\ua90a-\\ua925\\ua930-\\ua946\\ua960-\\ua97c\\ua984-
\\ua9b2\\ua9cf\\ua9e0-\\ua9e4\\ua9e6-\\ua9ef\\ua9fa-\\ua9fe\\uaa00-\\uaa28\\uaa40-\\uaa42\\uaa44-\\uaa4b\\uaa60-
\\uaa76\\uaa7a\\uaa7e-\\uaaaf\\uaab1\\uaab5\\uaab6\\uaab9-\\uaabd\\uaac0\\uaac2\\uaadb-\\uaadd\\uaae0-
\\uaaea\\uaaf2-\\uaaf4\\uab01-\\uab06\\uab09-\\uab0e\\uab11-\\uab16\\uab20-\\uab26\\uab28-\\uab2e\\uab30-
\\uab5a\\uab5c-\\uab69\\uab70-\\uabe2\\uac00-\\ud7a3\\ud7b0-\\ud7c6\\ud7cb-\\ud7fb\\uf900-\\ufa6d\\ufa70-
\\ufad9\\ufb00-\\ufb06\\ufb13-\\ufb17\\ufb1d\\ufb1f-\\ufb28\\ufb2a-\\ufb36\\ufb38-
\\ufb3c\\ufb3e\\ufb40\\ufb41\\ufb43\\ufb44\\ufb46-\\ufbb1\\ufbd3-\\ufd3d\\ufd50-\\ufd8f\\ufd92-\\ufdc7\\ufdf0-
\\ufdfb\\ufe70-\\ufe74\\ufe76-\\ufefc\\uff21-\\uff3a\\uff41-\\uff5a\\uff66-\\uffbe\\uffc2-\\uffc7\\uffca-\\uffcf\\uffd2-
\\uffd7\\uffda-\\uffdc";nlet nonASCIIdentifierChars = "\\u200c\\u200d\\xb7\\u0300-\\u036f\\u0387\\u0483-
\\u0487\\u0591-\\u05bd\\u05bf\\u05c1\\u05c2\\u05c4\\u05c5\\u05c7\\u0610-\\u061a\\u064b-\\u0669\\u0670\\u06d6-
\\u06dc\\u06df-\\u06e4\\u06e7\\u06e8\\u06ea-\\u06ed\\u06f0-\\u06f9\\u0711\\u0730-\\u074a\\u07a6-\\u07b0\\u07c0-
\\u07c9\\u07eb-\\u07f3\\u07fd\\u0816-\\u0819\\u081b-\\u0823\\u0825-\\u0827\\u0829-\\u082d\\u0859-
\\u085b\\u08d3-\\u08e1\\u08e3-\\u0903\\u093a-\\u093c\\u093e-\\u094f\\u0951-\\u0957\\u0962\\u0963\\u0966-
\\u096f\\u0981-\\u0983\\u09bc\\u09be-\\u09c4\\u09c7\\u09c8\\u09cb-\\u09cd\\u09d7\\u09e2\\u09e3\\u09e6-
\\u09ef\\u09fe\\u0a01-\\u0a03\\u0a3c\\u0a3e-\\u0a42\\u0a47\\u0a48\\u0a4b-\\u0a4d\\u0a51\\u0a66-
\\u0a71\\u0a75\\u0a81-\\u0a83\\u0abc\\u0abe-\\u0ac5\\u0ac7-\\u0ac9\\u0acb-\\u0acd\\u0ae2\\u0ae3\\u0ae6-
\\u0aef\\u0afa-\\u0aff\\u0b01-\\u0b03\\u0b3c\\u0b3e-\\u0b44\\u0b47\\u0b48\\u0b4b-\\u0b4d\\u0b55-
\\u0b57\\u0b62\\u0b63\\u0b66-\\u0b6f\\u0b82\\u0bbe-\\u0bc2\\u0bc6-\\u0bc8\\u0bca-\\u0bcd\\u0bd7\\u0be6-
\\u0bef\\u0c00-\\u0c04\\u0c3e-\\u0c44\\u0c46-\\u0c48\\u0c4a-\\u0c4d\\u0c55\\u0c56\\u0c62\\u0c63\\u0c66-
\\u0c6f\\u0c81-\\u0c83\\u0cbc\\u0cbe-\\u0cc4\\u0cc6-\\u0cc8\\u0cca-\\u0ccd\\u0cd5\\u0cd6\\u0ce2\\u0ce3\\u0ce6-
\\u0cef\\u0d00-\\u0d03\\u0d3b\\u0d3c\\u0d3e-\\u0d44\\u0d46-\\u0d48\\u0d4a-
\\u0d4d\\u0d57\\u0d62\\u0d63\\u0d66-\\u0d6f\\u0d81-\\u0d83\\u0dca\\u0dcf-\\u0dd4\\u0dd6\\u0dd8-\\u0ddf\\u0de6-
\\u0def\\u0df2\\u0df3\\u0e31\\u0e34-\\u0e3a\\u0e47-\\u0e4e\\u0e50-\\u0e59\\u0eb1\\u0eb4-\\u0ebc\\u0ec8-
\\u0ecd\\u0ed0-\\u0ed9\\u0f18\\u0f19\\u0f20-\\u0f29\\u0f35\\u0f37\\u0f39\\u0f3e\\u0f3f\\u0f71-
\\u0f84\\u0f86\\u0f87\\u0f8d-\\u0f97\\u0f99-\\u0fbc\\u0fc6\\u102b-\\u103e\\u1040-\\u1049\\u1056-\\u1059\\u105e-
\\u1060\\u1062-\\u1064\\u1067-\\u106d\\u1071-\\u1074\\u1082-\\u108d\\u108f-\\u109d\\u135d-\\u135f\\u1369-
\\u1371\\u1712-\\u1714\\u1732-\\u1734\\u1752\\u1753\\u1772\\u1773\\u17b4-\\u17d3\\u17dd\\u17e0-
\\u17e9\\u180b-\\u180d\\u1810-\\u1819\\u18a9\\u1920-\\u192b\\u1930-\\u193b\\u1946-\\u194f\\u19d0-
\\u19da\\u1a17-\\u1a1b\\u1a55-\\u1a5e\\u1a60-\\u1a7c\\u1a7f-\\u1a89\\u1a90-\\u1a99\\u1ab0-
\\u1abd\\u1abf\\u1ac0\\u1b00-\\u1b04\\u1b34-\\u1b44\\u1b50-\\u1b59\\u1b6b-\\u1b73\\u1b80-\\u1b82\\u1ba1-
\\u1bad\\u1bb0-\\u1bb9\\u1be6-\\u1bf3\\u1c24-\\u1c37\\u1c40-\\u1c49\\u1c50-\\u1c59\\u1cd0-\\u1cd2\\u1cd4-
\\u1ce8\\u1ced\\u1cf4\\u1cf7-\\u1cf9\\u1dc0-\\u1df9\\u1dfb-\\u1dff\\u203f\\u2040\\u2054\\u20d0-
\\u20dc\\u20e1\\u20e5-\\u20f0\\u2cef-\\u2cf1\\u2d7f\\u2de0-\\u2dff\\u302a-\\u302f\\u3099\\u309a\\ua620-
\\ua629\\ua66f\\ua674-\\ua67d\\ua69e\\ua69f\\ua6f0\\ua6f1\\ua802\\ua806\\ua80b\\ua823-
\\ua827\\ua82c\\ua880\\ua881\\ua8b4-\\ua8c5\\ua8d0-\\ua8d9\\ua8e0-\\ua8f1\\ua8ff-\\ua909\\ua926-\\ua92d\\ua947-
\\ua953\\ua980-\\ua983\\ua9b3-\\ua9c0\\ua9d0-\\ua9d9\\ua9e5\\ua9f0-\\ua9f9\\uaa29-
\\uaa36\\uaa43\\uaa4c\\uaa4d\\uaa50-\\uaa59\\uaa7b-\\uaa7d\\uaab0\\uaab2-
\\uaab4\\uaab7\\uaab8\\uaabe\\uaabf\\uaac1\\uaaeb-\\uaaef\\uaaf5\\uaaf6\\uabe3-\\uabea\\uabec\\uabed\\uabf0-
\\uabf9\\ufb1e\\ufe00-\\ufe0f\\ufe20-\\ufe2f\\ufe33\\ufe34\\ufe4d-\\ufe4f\\uff10-\\uff19\\uff3f";nconst

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nonASCIIIdentifierStart = new RegExp("\[" + nonASCIIIdentifierStartChars + "\]");\nconst nonASCIIIdentifier =
new RegExp("\[" + nonASCIIIdentifierStartChars + nonASCIIIdentifierChars +
"\]");\n\nnonASCIIIdentifierStartChars = nonASCIIIdentifierChars = null;\nconst astralIdentifierStartCodes = [0, 11,
2, 25, 2, 18, 2, 1, 2, 14, 3, 13, 35, 122, 70, 52, 268, 28, 4, 48, 48, 31, 14, 29, 6, 37, 11, 29, 3, 35, 5, 7, 2, 4, 43, 157,
19, 35, 5, 35, 5, 39, 9, 51, 157, 310, 10, 21, 11, 7, 153, 5, 3, 0, 2, 43, 2, 1, 4, 0, 3, 22, 11, 22, 10, 30, 66, 18, 2, 1, 11,
21, 11, 25, 71, 55, 7, 1, 65, 0, 16, 3, 2, 2, 2, 28, 43, 28, 4, 28, 36, 7, 2, 27, 28, 53, 11, 21, 11, 18, 14, 17, 111, 72, 56,
50, 14, 50, 14, 35, 349, 41, 7, 1, 79, 28, 11, 0, 9, 21, 107, 20, 28, 22, 13, 52, 76, 44, 33, 24, 27, 35, 30, 0, 3, 0, 9, 34,
4, 0, 13, 47, 15, 3, 22, 0, 2, 0, 36, 17, 2, 24, 85, 6, 2, 0, 2, 3, 2, 14, 2, 9, 8, 46, 39, 7, 3, 1, 3, 21, 2, 6, 2, 1, 2, 4, 4, 0,
19, 0, 13, 4, 159, 52, 19, 3, 21, 2, 31, 47, 21, 1, 2, 0, 185, 46, 42, 3, 37, 47, 21, 0, 60, 42, 14, 0, 72, 26, 230, 43, 117,
63, 32, 7, 3, 0, 3, 7, 2, 1, 2, 23, 16, 0, 2, 0, 95, 7, 3, 38, 17, 0, 2, 0, 29, 0, 11, 39, 8, 0, 22, 0, 12, 45, 20, 0, 35, 56, 264,
8, 2, 36, 18, 0, 50, 29, 113, 6, 2, 1, 2, 37, 22, 0, 26, 5, 2, 1, 2, 31, 15, 0, 328, 18, 190, 0, 80, 921, 103, 110, 18, 195,
2749, 1070, 4050, 582, 8634, 568, 8, 30, 114, 29, 19, 47, 17, 3, 32, 20, 6, 18, 689, 63, 129, 74, 6, 0, 67, 12, 65, 1, 2,
0, 29, 6135, 9, 1237, 43, 8, 8952, 286, 50, 2, 18, 3, 9, 395, 2309, 106, 6, 12, 4, 8, 8, 9, 5991, 84, 2, 70, 2, 1, 3, 0, 3, 1,
3, 3, 2, 11, 2, 0, 2, 6, 2, 64, 2, 3, 3, 7, 2, 6, 2, 27, 2, 3, 2, 4, 2, 0, 4, 6, 2, 339, 3, 24, 2, 24, 2, 30, 2, 24, 2, 30, 2, 24, 2,
30, 2, 24, 2, 30, 2, 24, 2, 7, 2357, 44, 11, 6, 17, 0, 370, 43, 1301, 196, 60, 67, 8, 0, 1205, 3, 2, 26, 2, 1, 2, 0, 3, 0, 2, 9,
2, 3, 2, 0, 2, 0, 7, 0, 5, 0, 2, 0, 2, 0, 2, 2, 1, 2, 0, 3, 0, 2, 0, 2, 0, 2, 0, 2, 0, 2, 1, 2, 0, 3, 3, 2, 6, 2, 3, 2, 3, 2, 0, 2, 9, 2,
16, 6, 2, 2, 4, 2, 16, 4421, 42717, 35, 4148, 12, 221, 3, 5761, 15, 7472, 3104, 541, 1507, 4938];\nconst
astralIdentifierCodes = [509, 0, 227, 0, 150, 4, 294, 9, 1368, 2, 2, 1, 6, 3, 41, 2, 5, 0, 166, 1, 574, 3, 9, 9, 370, 1, 154,
10, 176, 2, 54, 14, 32, 9, 16, 3, 46, 10, 54, 9, 7, 2, 37, 13, 2, 9, 6, 1, 45, 0, 13, 2, 49, 13, 9, 3, 2, 11, 83, 11, 7, 0, 161,
11, 6, 9, 7, 3, 56, 1, 2, 6, 3, 1, 3, 2, 10, 0, 11, 1, 3, 6, 4, 4, 193, 17, 10, 9, 5, 0, 82, 19, 13, 9, 214, 6, 3, 8, 28, 1, 83, 16,
16, 9, 82, 12, 9, 9, 84, 14, 5, 9, 243, 14, 166, 9, 71, 5, 2, 1, 3, 3, 2, 0, 2, 1, 13, 9, 120, 6, 3, 6, 4, 0, 29, 9, 41, 6, 2, 3, 9,
0, 10, 10, 47, 15, 406, 7, 2, 7, 17, 9, 57, 21, 2, 13, 123, 5, 4, 0, 2, 1, 2, 6, 2, 0, 9, 9, 49, 4, 2, 1, 2, 4, 9, 9, 330, 3,
19306, 9, 135, 4, 60, 6, 26, 9, 1014, 0, 2, 54, 8, 3, 82, 0, 12, 1, 19628, 1, 5319, 4, 4, 5, 9, 7, 3, 6, 31, 3, 149, 2, 1418,
49, 513, 54, 5, 49, 9, 0, 15, 0, 23, 4, 2, 14, 1361, 6, 2, 16, 3, 6, 2, 1, 2, 4, 262, 6, 10, 9, 419, 13, 1495, 6, 110, 6, 6, 9,
4759, 9, 787719, 239];\n\nfunction isInAstralSet(code, set) {\n  let pos = 0x10000;\n  for (let i = 0, length =
set.length; i < length; i += 2) {\n    pos += set[i];\n    if (pos > code) return false;\n    pos += set[i + 1];\n    if (pos >=
code) return true;\n  }\n  return false;\n}\n\nfunction isIdentifierStart(code) {\n  if (code < 65) return code ===
36;\n  if (code <= 90) return true;\n  if (code < 97) return code === 95;\n  if (code <= 122) return true;\n  if (code
<= 0xffff) {\n    return code >= 0xaa && nonASCIIIdentifierStart.test(String.fromCharCode(code));\n  }\n  return
isInAstralSet(code, astralIdentifierStartCodes);\n}\n\nfunction isIdentifierChar(code) {\n  if (code < 48) return code
=== 36;\n  if (code < 58) return true;\n  if (code < 65) return false;\n  if (code <= 90) return true;\n  if (code < 97)
return code === 95;\n  if (code <= 122) return true;\n  if (code <= 0xffff) {\n    return code >= 0xaa &&
nonASCIIIdentifier.test(String.fromCharCode(code));\n  }\n  return isInAstralSet(code, astralIdentifierStartCodes)
|| isInAstralSet(code, astralIdentifierCodes);\n}\n\nconst reservedWords = {\n  keyword: ["break", "case",
"catch", "continue", "debugger", "default", "do", "else", "finally", "for", "function", "if", "return",
"switch", "throw", "try", "var", "const", "while", "with", "new", "this", "super", "class", "extends",
"export", "import", "null", "true", "false", "in", "instanceof", "typeof", "void", "delete"],\n  strict:
["implements", "interface", "let", "package", "private", "protected", "public", "static", "yield"],\n  strictBind: ["eval", "arguments"]\n};\nconst keywords = new Set(reservedWords.keyword);\nconst
reservedWordsStrictSet = new Set(reservedWords.strict);\nconst reservedWordsStrictBindSet = new
Set(reservedWords.strictBind);\n\nfunction isReservedWord(word, inModule) {\n  return inModule && word ===
"await" || word === "enum";\n}\n\nfunction isStrictReservedWord(word, inModule) {\n  return
isReservedWord(word, inModule) || reservedWordsStrictSet.has(word);\n}\n\nfunction
isStrictBindOnlyReservedWord(word) {\n  return reservedWordsStrictBindSet.has(word);\n}\n\nfunction
isStrictBindReservedWord(word, inModule) {\n  return isStrictReservedWord(word, inModule) ||
isStrictBindOnlyReservedWord(word);\n}\n\nfunction isKeyword(word) {\n  return keywords.has(word);\n}\n\nconst
keywordRelationalOperator = /^in(stanceof)?$/;\n\nfunction isIteratorStart(current, next) {\n  return current === 64
&& next === 64;\n}\n\nconst SCOPE_OTHER = 0b000000000,\n  SCOPE_PROGRAM = 0b000000001,\n

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SCOPE_FUNCTION = 0b000000010,\n  SCOPE_ARROW = 0b000000100,\n  SCOPE_SIMPLE_CATCH =
0b000001000,\n  SCOPE_SUPER = 0b000010000,\n  SCOPE_DIRECT_SUPER = 0b000100000,\n
SCOPE_CLASS = 0b001000000,\n  SCOPE_STATIC_BLOCK = 0b010000000,\n  SCOPE_TS_MODULE =
0b100000000,\n  SCOPE_VAR = SCOPE_PROGRAM | SCOPE_FUNCTION | SCOPE_TS_MODULE;\nconst
BIND_KIND_VALUE = 0b000000000001,\n  BIND_KIND_TYPE = 0b000000000010,\n
BIND_SCOPE_VAR = 0b000000000100,\n  BIND_SCOPE_LEXICAL = 0b000000001000,\n
BIND_SCOPE_FUNCTION = 0b000000010000,\n  BIND_FLAGS_NONE = 0b000001000000,\n
BIND_FLAGS_CLASS = 0b000010000000,\n  BIND_FLAGS_TS_ENUM = 0b000100000000,\n
BIND_FLAGS_TS_CONST_ENUM = 0b001000000000,\n  BIND_FLAGS_TS_EXPORT_ONLY =
0b010000000000,\n  BIND_FLAGS_FLOW_DECLARE_FN = 0b100000000000;\nconst BIND_CLASS =
BIND_KIND_VALUE | BIND_KIND_TYPE | BIND_SCOPE_LEXICAL | BIND_FLAGS_CLASS,\n
BIND_LEXICAL = BIND_KIND_VALUE | 0 | BIND_SCOPE_LEXICAL | 0,\n  BIND_VAR =
BIND_KIND_VALUE | 0 | BIND_SCOPE_VAR | 0,\n  BIND_FUNCTION = BIND_KIND_VALUE | 0 |
BIND_SCOPE_FUNCTION | 0,\n  BIND_TS_INTERFACE = 0 | BIND_KIND_TYPE | 0 |
BIND_FLAGS_CLASS,\n  BIND_TS_TYPE = 0 | BIND_KIND_TYPE | 0 | 0,\n  BIND_TS_ENUM =
BIND_KIND_VALUE | BIND_KIND_TYPE | BIND_SCOPE_LEXICAL | BIND_FLAGS_TS_ENUM,\n
BIND_TS_AMBIENT = 0 | 0 | 0 | BIND_FLAGS_TS_EXPORT_ONLY,\n  BIND_NONE = 0 | 0 | 0 |
BIND_FLAGS_NONE,\n  BIND_OUTSIDE = BIND_KIND_VALUE | 0 | 0 | BIND_FLAGS_NONE,\n
BIND_TS_CONST_ENUM = BIND_TS_ENUM | BIND_FLAGS_TS_CONST_ENUM,\n
BIND_TS_NAMESPACE = 0 | 0 | 0 | BIND_FLAGS_TS_EXPORT_ONLY,\n  BIND_FLOW_DECLARE_FN =
BIND_FLAGS_FLOW_DECLARE_FN;\nconst CLASS_ELEMENT_FLAG_STATIC = 0b100,\n
CLASS_ELEMENT_KIND_GETTER = 0b010,\n  CLASS_ELEMENT_KIND_SETTER = 0b001,\n
CLASS_ELEMENT_KIND_ACCESSOR = CLASS_ELEMENT_KIND_GETTER |
CLASS_ELEMENT_KIND_SETTER;\nconst CLASS_ELEMENT_STATIC_GETTER =
CLASS_ELEMENT_KIND_GETTER | CLASS_ELEMENT_FLAG_STATIC,\n
CLASS_ELEMENT_STATIC_SETTER = CLASS_ELEMENT_KIND_SETTER |
CLASS_ELEMENT_FLAG_STATIC,\n  CLASS_ELEMENT_INSTANCE_GETTER =
CLASS_ELEMENT_KIND_GETTER,\n  CLASS_ELEMENT_INSTANCE_SETTER =
CLASS_ELEMENT_KIND_SETTER,\n  CLASS_ELEMENT_OTHER = 0;\n\nclass Scope {\n
constructor(flags) {\n  this.flags = void 0;\n  this.var = [];\n  this.lexical = [];\n  this.functions = [];\n  this.flags
= flags;\n  }\n\n}\n\nclass ScopeHandler {\n  constructor(raise, inModule) {\n  this.scopeStack = [];\n
this.undefinedExports = new Map();\n  this.undefinedPrivateNames = new Map();\n  this.raise = raise;\n
this.inModule = inModule;\n  }\n\n  get inFunction() {\n  return (this.currentVarScope().flags &
SCOPE_FUNCTION) > 0;\n  }\n\n  get allowSuper() {\n  return (this.currentThisScope().flags & SCOPE_SUPER)
> 0;\n  }\n\n  get allowDirectSuper() {\n  return (this.currentThisScope().flags & SCOPE_DIRECT_SUPER) > 0;\n
}\n\n  get inClass() {\n  return (this.currentThisScope().flags & SCOPE_CLASS) > 0;\n  }\n\n  get inStaticBlock()
{\n  return (this.currentThisScope().flags & SCOPE_STATIC_BLOCK) > 0;\n  }\n\n  get inNonArrowFunction()
{\n  return (this.currentThisScope().flags & SCOPE_FUNCTION) > 0;\n  }\n\n  get treatFunctionsAsVar() {\n
return this.treatFunctionsAsVarInScope(this.currentScope());\n  }\n\n  createScope(flags) {\n  return new
Scope(flags);\n  }\n\n  enter(flags) {\n  this.scopeStack.push(this.createScope(flags));\n  }\n\n  exit() {\n
this.scopeStack.pop();\n  }\n\n  treatFunctionsAsVarInScope(scope) {\n  return !(scope.flags &
SCOPE_FUNCTION) || !this.inModule && scope.flags & SCOPE_PROGRAM);\n  }\n\n  declareName(name,
bindingType, pos) {\n  let scope = this.currentScope();\n\n  if (bindingType & BIND_SCOPE_LEXICAL ||
bindingType & BIND_SCOPE_FUNCTION) {\n  this.checkRedeclarationInScope(scope, name, bindingType,
pos);\n\n  if (bindingType & BIND_SCOPE_FUNCTION) {\n  scope.functions.push(name);\n  } else {\n
scope.lexical.push(name);\n  }\n\n  if (bindingType & BIND_SCOPE_LEXICAL) {\n
this.maybeExportDefined(scope, name);\n  }\n  } else if (bindingType & BIND_SCOPE_VAR) {\n  for (let i
= this.scopeStack.length - 1; i >= 0; --i) {\n  scope = this.scopeStack[i];\n

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this.checkRedeclarationInScope(scope, name, bindingType, pos);\n    scope.var.push(name);\n    this.maybeExportDefined(scope, name);\n    if (scope.flags & SCOPE_VAR) break;\n    }\n }\n\n if\n (this.inModule && scope.flags & SCOPE_PROGRAM) {\n    this.undefinedExports.delete(name);\n    }\n }\n\n maybeExportDefined(scope, name) {\n    if (this.inModule && scope.flags & SCOPE_PROGRAM) {\n    this.undefinedExports.delete(name);\n    }\n }\n\n checkRedeclarationInScope(scope, name, bindingType, pos) {\n    if (this.isRedeclaredInScope(scope, name, bindingType)) {\n    this.raise(pos, ErrorMessages.VarRedeclaration,\n    name);\n    }\n }\n\n isRedeclaredInScope(scope, name, bindingType) {\n    if (!(bindingType &\n    BIND_KIND_VALUE)) return false;\n\n    if (bindingType & BIND_SCOPE_LEXICAL) {\n    return\n    scope.lexical.indexOf(name) > -1 || scope.functions.indexOf(name) > -1 || scope.var.indexOf(name) > -1;\n    }\n\n    if (bindingType & BIND_SCOPE_FUNCTION) {\n    return scope.lexical.indexOf(name) > -1 ||\n\n    !this.treatFunctionsAsVarInScope(scope) && scope.var.indexOf(name) > -1;\n    }\n\n    return\n    scope.lexical.indexOf(name) > -1 && !(scope.flags & SCOPE_SIMPLE_CATCH && scope.lexical[0] === name) ||\n\n    !this.treatFunctionsAsVarInScope(scope) && scope.functions.indexOf(name) > -1;\n    }\n\n    checkLocalExport(id)\n    {\n    if (this.scopeStack[0].lexical.indexOf(id.name) === -1 && this.scopeStack[0].var.indexOf(id.name) === -1\n    && this.scopeStack[0].functions.indexOf(id.name) === -1) {\n    this.undefinedExports.set(id.name, id.start);\n    }\n    }\n\n    currentScope() {\n    return this.scopeStack[this.scopeStack.length - 1];\n    }\n\n    currentVarScope() {\n    for (let i = this.scopeStack.length - 1;; i--) {\n    const scope = this.scopeStack[i];\n\n    if (scope.flags &\n    SCOPE_VAR) {\n    return scope;\n    }\n    }\n    }\n\n    currentThisScope() {\n    for (let i =\n    this.scopeStack.length - 1;; i--) {\n    const scope = this.scopeStack[i];\n\n    if ((scope.flags & SCOPE_VAR ||\n    scope.flags & SCOPE_CLASS) && !(scope.flags & SCOPE_ARROW)) {\n    return scope;\n    }\n    }\n    }\n\n    }\n\n    }\n\n    class FlowScope extends Scope {\n    constructor(...args) {\n    super(...args);\n    this.declareFunctions =\n    [];\n    }\n    }\n\n    class FlowScopeHandler extends ScopeHandler {\n    createScope(flags) {\n    return new\n    FlowScope(flags);\n    }\n    }\n\n    declareName(name, bindingType, pos) {\n    const scope = this.currentScope();\n\n    if\n    (bindingType & BIND_FLAGS_FLOW_DECLARE_FN) {\n    this.checkRedeclarationInScope(scope, name,\n    bindingType, pos);\n    this.maybeExportDefined(scope, name);\n    scope.declareFunctions.push(name);\n    return;\n    }\n\n    super.declareName(...arguments);\n    }\n\n    isRedeclaredInScope(scope, name, bindingType) {\n    if (super.isRedeclaredInScope(...arguments)) return true;\n\n    if (bindingType &\n    BIND_FLAGS_FLOW_DECLARE_FN) {\n    return !scope.declareFunctions.includes(name) &&\n    (scope.lexical.includes(name) || scope.functions.includes(name));\n    }\n    }\n\n    return false;\n    }\n\n    }\n\n    checkLocalExport(id) {\n    if (this.scopeStack[0].declareFunctions.indexOf(id.name) === -1) {\n    super.checkLocalExport(id);\n    }\n    }\n\n    }\n\n    const reservedTypes = new Set([\n    "_",\n    "any",\n    "bool",\n    "boolean",\n    "empty",\n    "extends",\n    "false",\n    "interface",\n    "mixed",\n    "null",\n    "number",\n    "static",\n    "string",\n    "true",\n    "typeof",\n    "void"\n    ]);\n\n    const FlowErrors = makeErrorTemplates({\n    AmbiguousConditionalArrow: "Ambiguous\n    expression: wrap the arrow functions in parentheses to disambiguate.",\n    AmbiguousDeclareModuleKind: "Found\n    both `declare module.exports` and `declare export` in the same module. Modules can only have 1 since they are\n    either an ES module or they are a CommonJS module.",\n    AssignReservedType: "Cannot overwrite reserved type\n    %0.",\n    DeclareClassElement: "The `declare` modifier can only appear on class fields.",\n    DeclareClassFieldInitializer: "Initializers are not allowed in fields with the `declare` modifier.",\n    DuplicateDeclareModuleExports: "Duplicate `declare module.exports` statement.",\n    EnumBooleanMemberNotInitialized: "Boolean enum members need to be initialized. Use either `%0 = true,` or\n    `%0 = false,` in enum `%1`.",\n    EnumDuplicateMemberName: "Enum member names need to be unique, but the\n    name `%0` has already been used before in enum `%1`.",\n    EnumInconsistentMemberValues: "Enum `%0` has\n    inconsistent member initializers. Either use no initializers, or consistently use literals (either booleans, numbers, or\n    strings) for all member initializers.",\n    EnumInvalidExplicitType: "Enum type `%1` is not valid. Use one of\n    `boolean`, `number`, `string`, or `symbol` in enum `%0`.",\n    EnumInvalidExplicitTypeUnknownSupplied: "Supplied enum type is not valid. Use one of `boolean`, `number`, `string`, or `symbol` in enum `%0`.",\n    EnumInvalidMemberInitializerPrimaryType: "Enum `%0` has type `%2`, so the initializer of `%1` needs to be a %2\n    literal.",\n    EnumInvalidMemberInitializerSymbolType: "Symbol enum members cannot be initialized. Use `%1`,`

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in enum `%0`.`,\n EnumInvalidMemberInitializerUnknownType: `\"The enum member initializer for `%1` needs to be a literal (either a boolean, number, or string) in enum `%0`.`,\n EnumInvalidMemberName: `\"Enum member names cannot start with lowercase 'a' through 'z'. Instead of using `%0`, consider using `%1`, in enum `%2`.`,\n EnumNumberMemberNotInitialized: `\"Number enum members need to be initialized, e.g. `%1 = 1` in enum `%0`.`,\n EnumStringMemberInconsistentlyInitailized: `\"String enum members need to consistently either all use initializers, or use no initializers, in enum `%0`.`,\n GetterMayNotHaveThisParam: `\"A getter cannot have a `this` parameter.`,\n ImportTypeShorthandOnlyInPureImport: `\"The `type` and `typeof` keywords on named imports can only be used on regular `import` statements. It cannot be used with `import type` or `import typeof` statements.`,\n InexactInsideExact: `\"Explicit inexact syntax cannot appear inside an explicit exact object type.`,\n InexactInsideNonObject: `\"Explicit inexact syntax cannot appear in class or interface definitions.`,\n InexactVariance: `\"Explicit inexact syntax cannot have variance.`,\n InvalidNonTypeImportInDeclareModule: `\"Imports within a `declare module` body must always be `import type` or `import typeof`.`,\n MissingTypeParamDefault: `\"Type parameter declaration needs a default, since a preceding type parameter declaration has a default.`,\n NestedDeclareModule: `\"`declare module` cannot be used inside another `declare module`.`,\n NestedFlowComment: `\"Cannot have a flow comment inside another flow comment.`,\n OptionalBindingPattern: `\"A binding pattern parameter cannot be optional in an implementation signature.`,\n SetterMayNotHaveThisParam: `\"A setter cannot have a `this` parameter.`,\n SpreadVariance: `\"Spread properties cannot have variance.`,\n ThisParamAnnotationRequired: `\"A type annotation is required for the `this` parameter.`,\n ThisParamBannedInConstructor: `\"Constructors cannot have a `this` parameter; constructors don't bind `this` like other functions.`,\n ThisParamMayNotBeOptional: `\"The `this` parameter cannot be optional.`,\n ThisParamMustBeFirst: `\"The `this` parameter must be the first function parameter.`,\n ThisParamNoDefault: `\"The `this` parameter may not have a default value.`,\n TypeBeforeInitializer: `\"Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`.`,\n TypeCastInPattern: `\"The type cast expression is expected to be wrapped with parenthesis.`,\n UnexpectedExplicitInexactInObject: `\"Explicit inexact syntax must appear at the end of an inexact object.`,\n UnexpectedReservedType: `\"Unexpected reserved type %0.`,\n UnexpectedReservedUnderscore: `\"`_` is only allowed as a type argument to call or new.`,\n UnexpectedSpaceBetweenModuloChecks: `\"Spaces between `%` and `checks` are not allowed here.`,\n UnexpectedSpreadType: `\"Spread operator cannot appear in class or interface definitions.`,\n UnexpectedSubtractionOperand: `\"Unexpected token, expected `number` or `bigint`.`,\n UnexpectedTokenAfterTypeParameter: `\"Expected an arrow function after this type parameter declaration.`,\n UnexpectedTypeParameterBeforeAsyncArrowFunction: `\"Type parameters must come after the async keyword, e.g. instead of `


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!== types$1.interpreterDirective) {\n    if (this.flowPragma === undefined) {\n        this.flowPragma = null;\n    }\n}\n\nreturn super.finishToken(type, val);\n}\n\naddComment(comment) {\n    if (this.flowPragma ===\n    undefined) {\n        const matches = FLOW_PRAGMA_REGEX.exec(comment.value);\n        if (!matches) ; else if\n    (matches[1] === "flow") {\n            this.flowPragma = "flow";\n        } else if (matches[1] === "noflow") {\n            this.flowPragma = "noflow";\n        } else {\n            throw new Error("Unexpected flow pragma");\n        }\n    }\n\nreturn super.addComment(comment);\n}\n\nflowParseTypeInitialiser(tok) {\n    const oldInType =\n    this.state.inType;\n    this.state.inType = true;\n    this.expect(tok || types$1.colon);\n    const type =\n    this.flowParseType();\n    this.state.inType = oldInType;\n    return type;\n}\n\nflowParsePredicate() {\n    const\n    node = this.startNode();\n    const moduloPos = this.state.start;\n    this.next();\n    this.expectContextual("checks");\n\n    if (this.state.lastTokStart > moduloPos + 1) {\n        this.raise(moduloPos,\n        FlowErrors.UnexpectedSpaceBetweenModuloChecks);\n    }\n\n    if (this.eat(types$1.parenL)) {\n        node.value =\n        this.parseExpression();\n        this.expect(types$1.parenR);\n        return this.finishNode(node,\n        "DeclaredPredicate");\n    } else {\n        return this.finishNode(node, "InferredPredicate");\n    }\n}\n\nflowParseTypeAndPredicateInitialiser() {\n    const oldInType = this.state.inType;\n    this.state.inType = true;\n    this.expect(types$1.colon);\n    let type = null;\n    let predicate = null;\n\n    if (this.match(types$1.modulo)) {\n        this.state.inType = oldInType;\n        predicate = this.flowParsePredicate();\n    } else {\n        type =\n        this.flowParseType();\n        this.state.inType = oldInType;\n\n        if (this.match(types$1.modulo)) {\n            predicate\n            = this.flowParsePredicate();\n        }\n    }\n\n    return [type, predicate];\n}\n\nflowParseDeclareClass(node) {\n    this.next();\n    this.flowParseInterfaceish(node, true);\n    return this.finishNode(node, "DeclareClass");\n}\n\nflowParseDeclareFunction(node) {\n    this.next();\n    const id = node.id = this.parseIdentifier();\n    const typeNode\n    = this.startNode();\n    const typeContainer = this.startNode();\n\n    if (this.isRelational("<")) {\n        typeNode.typeParameters = this.flowParseTypeParameterDeclaration();\n    } else {\n        typeNode.typeParameters\n        = null;\n    }\n\n    this.expect(types$1.parenL);\n    const tmp = this.flowParseFunctionTypeParams();\n    typeNode.params = tmp.params;\n    typeNode.rest = tmp.rest;\n    typeNode.this = tmp._this;\n\n    this.expect(types$1.parenR);\n    [typeNode.returnType, node.predicate] =\n    this.flowParseTypeAndPredicateInitialiser();\n    typeContainer.typeAnnotation = this.finishNode(typeNode,\n    "FunctionTypeAnnotation");\n    id.typeAnnotation = this.finishNode(typeContainer, "TypeAnnotation");\n    this.resetEndLocation(id);\n    this.semicolon();\n    this.scope.declareName(node.id.name,\n    BIND_FLOW_DECLARE_FN, node.id.start);\n    return this.finishNode(node, "DeclareFunction");\n}\n\nflowParseDeclare(node, insideModule) {\n    if (this.match(types$1._class)) {\n        return\n        this.flowParseDeclareClass(node);\n    } else if (this.match(types$1._function)) {\n        return\n        this.flowParseDeclareFunction(node);\n    } else if (this.match(types$1._var)) {\n        return\n        this.flowParseDeclareVariable(node);\n    } else if (this.eatContextual("module")) {\n        if\n        (this.match(types$1.dot)) {\n            return this.flowParseDeclareModuleExports(node);\n        } else {\n            if\n            (insideModule) {\n                this.raise(this.state.lastTokStart, FlowErrors.NestedDeclareModule);\n            }\n            return this.flowParseDeclareModule(node);\n        }\n    } else if (this.isContextual("type")) {\n        return\n        this.flowParseDeclareTypeAlias(node);\n    } else if (this.isContextual("opaque")) {\n        return\n        this.flowParseDeclareOpaqueType(node);\n    } else if (this.isContextual("interface")) {\n        return\n        this.flowParseDeclareInterface(node);\n    } else if (this.match(types$1._export)) {\n        return\n        this.flowParseDeclareExportDeclaration(node, insideModule);\n    } else {\n        throw this.unexpected();\n    }\n}\n\nflowParseDeclareVariable(node) {\n    this.next();\n    node.id =\n    this.flowParseTypeAnnotatableIdentifier(true);\n    this.scope.declareName(node.id.name, BIND_VAR,\n    node.id.start);\n    this.semicolon();\n    return this.finishNode(node, "DeclareVariable");\n}\n\nflowParseDeclareModule(node) {\n    this.scope.enter(SCOPE_OTHER);\n\n    if (this.match(types$1.string)) {\n        node.id = this.parseExprAtom();\n    } else {\n        node.id = this.parseIdentifier();\n    }\n\n    const bodyNode =\n    node.body = this.startNode();\n    const body = bodyNode.body = [];\n    this.expect(types$1.braceL);\n\n    while\n    (!this.match(types$1.braceR)) {\n        let bodyNode = this.startNode();\n\n        if (this.match(types$1._import)) {\n            this.next();\n\n            if (!this.isContextual("type") && !this.match(types$1._typeof)) {\n

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this.raise(this.state.lastTokStart, FlowErrors.InvalidNonTypeImportInDeclareModule);\n    }\n\nthis.parseImport(bodyNode);\n    } else {\n    this.expectContextual(\"declare\",  
FlowErrors.UnsupportedStatementInDeclareModule);\n    bodyNode = this.flowParseDeclare(bodyNode, true);\n    }\n\n    body.push(bodyNode);\n    }\n\n    this.scope.exit();\n    this.expect(types$1.braceR);\n\nthis.finishNode(bodyNode, \"BlockStatement\");\n    let kind = null;\n    let hasModuleExport = false;\n\nbody.forEach(bodyElement => {\n    if (isEsModuleType(bodyElement)) {\n    if (kind === \"CommonJS\") {\n    this.raise(bodyElement.start, FlowErrors.AmbiguousDeclareModuleKind);\n    }\n\n    kind = \"ES\";\n    } else if (bodyElement.type === \"DeclareModuleExports\") {\n    if (hasModuleExport) {\n    this.raise(bodyElement.start, FlowErrors.DuplicateDeclareModuleExports);\n    }\n\n    if (kind === \"ES\") {\n    this.raise(bodyElement.start, FlowErrors.AmbiguousDeclareModuleKind);\n    }\n\n    kind =  
\"CommonJS\";\n    hasModuleExport = true;\n    }\n    });\n    node.kind = kind || \"CommonJS\";\n    return  
this.finishNode(node, \"DeclareModule\");\n    }\n\n    flowParseDeclareExportDeclaration(node, insideModule) {\n    this.expect(types$1._export);\n\n    if (this.eat(types$1._default)) {\n    if (this.match(types$1._function) ||  
this.match(types$1._class)) {\n    node.declaration = this.flowParseDeclare(this.startNode());\n    } else {\n    node.declaration = this.flowParseType();\n    this.semicolon();\n    }\n\n    node.default = true;\n    return  
this.finishNode(node, \"DeclareExportDeclaration\");\n    } else {\n    if (this.match(types$1._const) || this.isLet() ||  
(this.isContextual(\"type\") || this.isContextual(\"interface\")) && !insideModule) {\n    const label =  
this.state.value;\n    const suggestion = exportSuggestions[label];\n    throw this.raise(this.state.start,  
FlowErrors.UnsupportedDeclareExportKind, label, suggestion);\n    }\n\n    if (this.match(types$1._var) ||  
this.match(types$1._function) || this.match(types$1._class) || this.isContextual(\"opaque\")) {\n    node.declaration = this.flowParseDeclare(this.startNode());\n    node.default = false;\n    return  
this.finishNode(node, \"DeclareExportDeclaration\");\n    } else if (this.match(types$1.star) ||  
this.match(types$1.braceL) || this.isContextual(\"interface\") || this.isContextual(\"type\") ||  
this.isContextual(\"opaque\")) {\n    node = this.parseExport(node);\n\n    if (node.type ===  
\"ExportNamedDeclaration\") {\n    node.type = \"ExportDeclaration\";\n    node.default = false;\n    delete node.exportKind;\n    }\n\n    node.type = \"Declare\" + node.type;\n    return node;\n    }\n\n    }\n\n    throw this.unexpected();\n    }\n\n    flowParseDeclareModuleExports(node) {\n    this.next();\n    this.expectContextual(\"exports\");\n    node.typeAnnotation = this.flowParseTypeAnnotation();\n\n    this.semicolon();\n    return this.finishNode(node, \"DeclareModuleExports\");\n    }\n\n    flowParseDeclareTypeAlias(node) {\n    this.next();\n    this.flowParseTypeAlias(node);\n    node.type =  
\"DeclareTypeAlias\";\n    return node;\n    }\n\n    flowParseDeclareOpaqueType(node) {\n    this.next();\n    this.flowParseOpaqueType(node, true);\n    node.type = \"DeclareOpaqueType\";\n    return node;\n    }\n\n    flowParseDeclareInterface(node) {\n    this.next();\n    this.flowParseInterfaceish(node);\n    return  
this.finishNode(node, \"DeclareInterface\");\n    }\n\n    flowParseInterfaceish(node, isClass = false) {\n    node.id =  
this.flowParseRestrictedIdentifier(!isClass, true);\n    this.scope.declareName(node.id.name, isClass ?  
BIND_FUNCTION : BIND_LEXICAL, node.id.start);\n\n    if (this.isRelational(\"<\")) {\n    node.typeParameters  
= this.flowParseTypeParameterDeclaration();\n    } else {\n    node.typeParameters = null;\n    }\n\n    node.extends  
= [];\n    node.implements = [];\n    node.mixins = [];\n\n    if (this.eat(types$1._extends)) {\n    do {\n    node.extends.push(this.flowParseInterfaceExtends());\n    } while (!isClass && this.eat(types$1.comma));\n    }\n\n    if (this.isContextual(\"mixins\")) {\n    this.next();\n    do {\n    node.mixins.push(this.flowParseInterfaceExtends());\n    } while (this.eat(types$1.comma));\n    }\n\n    if  
(this.isContextual(\"implements\")) {\n    this.next();\n    do {\n    node.implements.push(this.flowParseInterfaceExtends());\n    } while (this.eat(types$1.comma));\n    }\n\n    node.body = this.flowParseObjectType({\n    allowStatic: isClass,\n    allowExact: false,\n    allowSpread:  
false,\n    allowProto: isClass,\n    allowInexact: false\n    });\n    }\n\n    flowParseInterfaceExtends() {\n    const  
node = this.startNode();\n    node.id = this.flowParseQualifiedTypeIdentifier();\n\n    if (this.isRelational(\"<\")) {\n    node.typeParameters = this.flowParseTypeParameterInstantiation();\n    } else {\n    node.typeParameters = null;\n    }\n\n    }\n\n    return this.finishNode(node, \"InterfaceExtends\");\n    }\n\n    flowParseInterface(node) {\n

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this.flowParseInterfaceish(node);
return this.finishNode(node, "InterfaceDeclaration");
}

checkNotUnderscore(word) {
  if (word === "_" || word === "$") {
    this.raise(this.state.start,
      FlowErrors.UnexpectedReservedUnderscore);
  }
}

checkReservedType(word, startLoc, declaration) {
  if (!reservedTypes.has(word)) return;
  this.raise(startLoc, declaration ? FlowErrors.AssignReservedType :
    FlowErrors.UnexpectedReservedType, word);
}

flowParseRestrictedIdentifier(liberal, declaration) {
  this.checkReservedType(this.state.value, this.state.start, declaration);
  return this.parseIdentifier(liberal);
}

flowParseTypeAlias(node) {
  node.id = this.flowParseRestrictedIdentifier(false, true);
  this.scope.declareName(node.id.name, BIND_LEXICAL, node.id.start);
  if (this.isRelational("<")) {
    node.typeParameters = this.flowParseTypeParameterDeclaration();
  } else {
    node.typeParameters = null;
  }
  node.right = this.flowParseTypeInitialiser(types$1.eq);
  this.semicolon();
  return this.finishNode(node, "TypeAlias");
}

flowParseOpaqueType(node, declare) {
  this.expectContextual("type");
  node.id = this.flowParseRestrictedIdentifier(true, true);
  this.scope.declareName(node.id.name, BIND_LEXICAL,
    node.id.start);
  if (this.isRelational("<")) {
    node.typeParameters =
      this.flowParseTypeParameterDeclaration();
  } else {
    node.typeParameters = null;
  }
  node.supertype = null;
  if (this.match(types$1.colon)) {
    node.supertype = this.flowParseTypeInitialiser(types$1.colon);
  }
  node.impltype = null;
  if (!declare) {
    node.impltype = this.flowParseTypeInitialiser(types$1.eq);
  }
  this.semicolon();
  return this.finishNode(node, "OpaqueType");
}

flowParseTypeParameter(requireDefault = false) {
  const nodeStart = this.state.start;
  const node = this.startNode();
  const variance = this.flowParseVariance();
  const ident = this.flowParseTypeAnnotatableIdentifier();
  node.name = ident.name;
  node.variance = variance;
  node.bound = ident.typeAnnotation;
  if (this.match(types$1.eq)) {
    this.eat(types$1.eq);
    node.default = this.flowParseType();
  } else {
    if (requireDefault) {
      this.raise(nodeStart,
        FlowErrors.MissingTypeParamDefault);
    }
  }
  return this.finishNode(node, "TypeParameter");
}

flowParseTypeParameterDeclaration() {
  const oldInType = this.state.inType;
  const node = this.startNode();
  node.params = [];
  this.state.inType = true;
  if (this.isRelational("<")) ||
    this.match(types$1.jsxTagStart)) {
    this.next();
  } else {
    this.unexpected();
  }
  let defaultRequired = false;
  do {
    const typeParameter = this.flowParseTypeParameter(defaultRequired);
    node.params.push(typeParameter);
    if (typeParameter.default) {
      defaultRequired = true;
    }
  } while (!this.isRelational(">"));
  this.expectRelational(">");
  this.state.inType = oldInType;
  return this.finishNode(node, "TypeParameterDeclaration");
}

flowParseTypeParameterInstantiation() {
  const node = this.startNode();
  const oldInType = this.state.inType;
  node.params = [];
  this.state.inType = true;
  this.expectRelational("<");
  const oldNoAnonFunctionType = this.state.noAnonFunctionType;
  this.state.noAnonFunctionType = false;
  while (!this.isRelational(">")) {
    node.params.push(this.flowParseType());
    if (!this.isRelational(">")) {
      this.expect(types$1.comma);
    }
  }
  this.state.noAnonFunctionType = oldNoAnonFunctionType;
  this.expectRelational(">");
  this.state.inType = oldInType;
  return this.finishNode(node, "TypeParameterInstantiation");
}

flowParseTypeParameterInstantiationCallOrNew() {
  const node = this.startNode();
  const oldInType = this.state.inType;
  node.params = [];
  this.state.inType = true;
  this.expectRelational("<");
  while (!this.isRelational(">")) {
    node.params.push(this.flowParseTypeOrImplicitInstantiation());
    if (!this.isRelational(">")) {
      this.expect(types$1.comma);
    }
  }
  this.expectRelational(">");
  this.state.inType = oldInType;
  return this.finishNode(node, "TypeParameterInstantiation");
}

flowParseInterfaceType() {
  const node = this.startNode();
  this.expectContextual("interface");
  node.extends = [];
  if (this.eat(types$1._extends)) {
    do {
      node.extends.push(this.flowParseInterfaceExtends());
    } while (this.eat(types$1.comma));
  }
  node.body = this.flowParseObjectType({
    allowStatic: false,
    allowExact: false,
    allowSpread: false,
    allowProto: false,
    allowInexact: false
  });
  return this.finishNode(node, "InterfaceTypeAnnotation");
}

flowParseObjectPropertyKey() {
  return this.match(types$1.num) || this.match(types$1.string) ?

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this.parseExprAtom() : this.parseIdentifier(true);\n }\n\n flowParseObjectTypeIndexer(node, isStatic, variance) {\n
  node.static = isStatic;\n\n  if (this.lookahead().type === types$1.colon) {\n    node.id =
this.flowParseObjectPropertyKey();\n    node.key = this.flowParseTypeInitialiser();\n  } else {\n    node.id =
null;\n    node.key = this.flowParseType();\n  }\n\n  this.expect(types$1.bracketR);\n  node.value =
this.flowParseTypeInitialiser();\n  node.variance = variance;\n  return this.finishNode(node,
"ObjectTypeIndexer");\n }\n\n flowParseObjectTypeInternalSlot(node, isStatic) {\n  node.static = isStatic;\n
node.id = this.flowParseObjectPropertyKey();\n  this.expect(types$1.bracketR);\n
this.expect(types$1.bracketR);\n\n  if (this.isRelational("<") || this.match(types$1.parenL)) {\n    node.method =
true;\n    node.optional = false;\n    node.value = this.flowParseObjectTypeMethodish(this.startNodeAt(node.start,
node.loc.start));\n  } else {\n    node.method = false;\n\n    if (this.eat(types$1.question)) {\n      node.optional =
true;\n    }\n\n    node.value = this.flowParseTypeInitialiser();\n  }\n\n  return this.finishNode(node,
"ObjectTypeInternalSlot");\n }\n\n flowParseObjectTypeMethodish(node) {\n  node.params = [];\n  node.rest =
null;\n  node.typeParameters = null;\n  node.this = null;\n\n  if (this.isRelational("<")) {\n
node.typeParameters = this.flowParseTypeParameterDeclaration();\n  }\n\n  this.expect(types$1.parenL);\n\n  if
(this.match(types$1._this)) {\n    node.this = this.flowParseFunctionTypeParam(true);\n    node.this.name =
null;\n\n    if (!this.match(types$1.parenR)) {\n      this.expect(types$1.comma);\n    }\n  }\n\n  while
(!this.match(types$1.parenR) && !this.match(types$1.ellipsis)) {\n
node.params.push(this.flowParseFunctionTypeParam(false));\n\n  if (!this.match(types$1.parenR)) {\n
this.expect(types$1.comma);\n  }\n}\n\n  if (this.eat(types$1.ellipsis)) {\n    node.rest =
this.flowParseFunctionTypeParam(false);\n  }\n\n  this.expect(types$1.parenR);\n  node.returnType =
this.flowParseTypeInitialiser();\n  return this.finishNode(node, "FunctionTypeAnnotation");\n }\n\n
flowParseObjectTypeCallProperty(node, isStatic) {\n  const valueNode = this.startNode();\n  node.static =
isStatic;\n  node.value = this.flowParseObjectTypeMethodish(valueNode);\n  return this.finishNode(node,
"ObjectTypeCallProperty");\n }\n\n flowParseObjectType({\n  allowStatic,\n  allowExact,\n  allowSpread,\n
allowProto,\n  allowInexact\n }) {\n  const oldInType = this.state.inType;\n  this.state.inType = true;\n  const
nodeStart = this.startNode();\n  nodeStart.callProperties = [];\n  nodeStart.properties = [];\n  nodeStart.indexers =
[];\n  nodeStart.internalSlots = [];\n  let endDelim;\n  let exact;\n  let inexact = false;\n\n  if (allowExact &&
this.match(types$1.braceBarL)) {\n    this.expect(types$1.braceBarL);\n    endDelim = types$1.braceBarR;\n
exact = true;\n  } else {\n    this.expect(types$1.braceL);\n    endDelim = types$1.braceR;\n    exact = false;\n
}\n\n  nodeStart.exact = exact;\n\n  while (!this.match(endDelim)) {\n    let isStatic = false;\n    let protoStart =
null;\n    let inexactStart = null;\n    const node = this.startNode();\n\n    if (allowProto &&
this.isContextual("proto")) {\n      const lookahead = this.lookahead();\n\n      if (lookahead.type !==
types$1.colon && lookahead.type !== types$1.question) {\n        this.next();\n        protoStart = this.state.start;\n
allowStatic = false;\n      }\n    }\n\n    if (allowStatic && this.isContextual("static")) {\n      const
lookahead = this.lookahead();\n\n      if (lookahead.type !== types$1.colon && lookahead.type !==
types$1.question) {\n        this.next();\n        isStatic = true;\n      }\n    }\n\n    const variance =
this.flowParseVariance();\n\n    if (this.eat(types$1.bracketL)) {\n      if (protoStart !== null) {\n
this.unexpected(protoStart);\n      }\n\n      if (this.eat(types$1.bracketL)) {\n        if (variance) {\n
this.unexpected(variance.start);\n        }\n\n      }\n\n    }\n\n    nodeStart.internalSlots.push(this.flowParseObjectTypeInternalSlot(node, isStatic));\n  } else {\n
nodeStart.indexers.push(this.flowParseObjectTypeIndexer(node, isStatic, variance));\n  }\n  } else if
(this.match(types$1.parenL) || this.isRelational("<")) {\n    if (protoStart !== null) {\n
this.unexpected(protoStart);\n    }\n\n    if (variance) {\n      this.unexpected(variance.start);\n    }\n\n    nodeStart.callProperties.push(this.flowParseObjectTypeCallProperty(node, isStatic));\n  } else {\n    let kind =
"init";\n\n    if (this.isContextual("get") || this.isContextual("set")) {\n      const lookahead =
this.lookahead();\n\n      if (lookahead.type === types$1.name || lookahead.type === types$1.string ||
lookahead.type === types$1.num) {\n        kind = this.state.value;\n        this.next();\n      }\n    }\n\n    const propOrInexact = this.flowParseObjectTypeProperty(node, isStatic, protoStart, variance, kind, allowSpread,

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allowInexact != null ? allowInexact : !exact);\n\n    if (propOrInexact === null) {\n        inexact = true;\n        inexactStart = this.state.lastTokStart;\n    } else {\n        nodeStart.properties.push(propOrInexact);\n    }\n\n    this.flowObjectTypeSemicolon();\n\n    if (inexactStart && !this.match(types$1.braceR) &&\n        !this.match(types$1.braceBarR)) {\n        this.raise(inexactStart, FlowErrors.UnexpectedExplicitInexactInObject);\n    }\n\n    this.expect(endDelim);\n\n    if (allowSpread) {\n        nodeStart.inexact = inexact;\n    }\n\n    const out = this.finishNode(nodeStart, "ObjectTypeAnnotation");\n    this.state.inType = oldInType;\n    return out;\n\n    flowParseObjectTypeProperty(node, isStatic, protoStart, variance, kind, allowSpread, allowInexact) {\n        if (this.eat(types$1.ellipsis)) {\n            const isInexactToken = this.match(types$1.comma) || this.match(types$1.semi) ||\n                this.match(types$1.braceR) || this.match(types$1.braceBarR);\n\n            if (isInexactToken) {\n                if (!allowSpread) {\n                    this.raise(this.state.lastTokStart, FlowErrors.InexactInsideNonObject);\n                } else if (!allowInexact) {\n                    this.raise(this.state.lastTokStart, FlowErrors.InexactInsideExact);\n                }\n\n                if (variance) {\n                    this.raise(variance.start, FlowErrors.InexactVariance);\n                }\n\n                return null;\n            }\n\n            if (!allowSpread) {\n                this.raise(this.state.lastTokStart, FlowErrors.UnexpectedSpreadType);\n            }\n\n            if (protoStart != null) {\n                this.unexpected(protoStart);\n            }\n\n            if (variance) {\n                this.raise(variance.start, FlowErrors.SpreadVariance);\n            }\n\n            node.argument = this.flowParseType();\n            return this.finishNode(node, "ObjectTypeSpreadProperty");\n        } else {\n            node.key =\n                this.flowParseObjectPropertyKey();\n            node.static = isStatic;\n            node.proto = protoStart != null;\n            node.kind = kind;\n            let optional = false;\n\n            if (this.isRelational("<") || this.match(types$1.parenL)) {\n                node.method = true;\n\n                if (protoStart != null) {\n                    this.unexpected(protoStart);\n                }\n\n                if (variance) {\n                    this.unexpected(variance.start);\n                }\n\n                node.value =\n                    this.flowParseObjectTypeMethodish(this.startNodeAt(node.start, node.loc.start));\n\n                if (kind === "get" || kind === "set") {\n                    this.flowCheckGetterSetterParams(node);\n                }\n\n                if (!allowSpread && node.key.name === "constructor" && node.value.this) {\n                    this.raise(node.value.this.start, FlowErrors.ThisParamBannedInConstructor);\n                }\n            } else {\n                if (kind !== "init") this.unexpected();\n\n                node.method = false;\n\n                if (this.eat(types$1.question)) {\n                    optional = true;\n                }\n\n                node.value =\n                    this.flowParseTypeInitialiser();\n                node.variance = variance;\n            }\n\n            node.optional = optional;\n            return this.finishNode(node, "ObjectTypeProperty");\n        }\n    }\n\n    flowCheckGetterSetterParams(property) {\n        const paramCount = property.kind === "get" ? 0 : 1;\n        const start = property.start;\n        const length =\n            property.value.params.length + (property.value.rest ? 1 : 0);\n\n        if (property.value.this) {\n            this.raise(property.value.this.start, property.kind === "get" ? FlowErrors.GetterMayNotHaveThisParam :\n                FlowErrors.SetterMayNotHaveThisParam);\n        }\n\n        if (length !== paramCount) {\n            if (property.kind === "get") {\n                this.raise(start, ErrorMessages.BadGetterArity);\n            } else {\n                this.raise(start, ErrorMessages.BadSetterArity);\n            }\n        }\n\n        if (property.kind === "set" && property.value.rest) {\n            this.raise(start, ErrorMessages.BadSetterRestParameter);\n        }\n    }\n\n    flowObjectTypeSemicolon() {\n        if (!this.eat(types$1.semi) && !this.eat(types$1.comma) && !this.match(types$1.braceR) &&\n            !this.match(types$1.braceBarR)) {\n            this.unexpected();\n        }\n    }\n\n    flowParseQualifiedTypeIdentifier(startPos, startLoc, id) {\n        startPos = startPos || this.state.start;\n        startLoc = startLoc || this.state.startLoc;\n        let node = id ||\n            this.flowParseRestrictedIdentifier(true);\n\n        while (this.eat(types$1.dot)) {\n            const node2 =\n                this.startNodeAt(startPos, startLoc);\n            node2.qualification = node;\n            node2.id =\n                this.flowParseRestrictedIdentifier(true);\n            node = this.finishNode(node2, "QualifiedTypeIdentifier");\n        }\n\n        return node;\n    }\n\n    flowParseGenericType(startPos, startLoc, id) {\n        const node = this.startNodeAt(startPos, startLoc);\n        node.typeParameters = null;\n        node.id = this.flowParseQualifiedTypeIdentifier(startPos, startLoc, id);\n\n        if (this.isRelational("<")) {\n            node.typeParameters = this.flowParseTypeParameterInstantiation();\n        }\n\n        return this.finishNode(node, "GenericTypeAnnotation");\n    }\n\n    flowParseTypeofType() {\n        const node = this.startNode();\n        this.expect(types$1._typeof);\n        node.argument = this.flowParsePrimaryType();\n        return this.finishNode(node, "TypeofTypeAnnotation");\n    }\n\n    flowParseTupleType() {\n        const node = this.startNode();\n        node.types = [];\n        this.expect(types$1.bracketL);\n\n        while (this.state.pos < this.length &&\n            !this.match(types$1.bracketR)) {\n            node.types.push(this.flowParseType());\n            if

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(this.match(types$1.bracketR)) break;\n    this.expect(types$1.comma);\n  }\n\n  this.expect(types$1.bracketR);\n  return this.finishNode(node, \"TupleTypeAnnotation\");\n}\n\nflowParseFunctionTypeParam(first) {\n  let name = null;\n  let optional = false;\n  let typeAnnotation = null;\n  const node = this.startNode();\n  const lh = this.lookahead();\n  const isThis = this.state.type ===\n  types$1._this;\n\n  if (lh.type === types$1.colon || lh.type === types$1.question) {\n    if (isThis && !first) {\n      this.raise(node.start, FlowErrors.ThisParamMustBeFirst);\n    }\n    name = this.parseIdentifier(isThis);\n    if\n    (this.eat(types$1.question)) {\n      optional = true;\n\n      if (isThis) {\n        this.raise(node.start,\n        FlowErrors.ThisParamMayNotBeOptional);\n      }\n    }\n    typeAnnotation =\n    this.flowParseTypeInitialiser();\n  } else {\n    typeAnnotation = this.flowParseType();\n  }\n  node.name =\n  name;\n  node.optional = optional;\n  node.typeAnnotation = typeAnnotation;\n  return this.finishNode(node,\n  \"FunctionTypeParam\");\n}\n\nreinterpretTypeAsFunctionTypeParam(type) {\n  const node =\n  this.startNodeAt(type.start, type.loc.start);\n  node.name = null;\n  node.optional = false;\n  node.typeAnnotation\n  = type;\n  return this.finishNode(node, \"FunctionTypeParam\");\n}\n\nflowParseFunctionTypeParams(params =\n  []) {\n  let rest = null;\n  let _this = null;\n\n  if (this.match(types$1._this)) {\n    _this =\n    this.flowParseFunctionTypeParam(true);\n    _this.name = null;\n\n    if (!this.match(types$1.parenR)) {\n      this.expect(types$1.comma);\n    }\n  }\n\n  while (!this.match(types$1.parenR) &&\n  !this.match(types$1.ellipsis)) {\n    params.push(this.flowParseFunctionTypeParam(false));\n\n    if\n    (!this.match(types$1.parenR)) {\n      this.expect(types$1.comma);\n    }\n  }\n\n  if (this.eat(types$1.ellipsis))\n  {\n    rest = this.flowParseFunctionTypeParam(false);\n  }\n\n  return {\n    params,\n    rest,\n    _this\n  };\n}\n\nflowIdentToTypeAnnotation(startPos, startLoc, node, id) {\n  switch (id.name) {\n    case \"any\":\n      return this.finishNode(node, \"AnyTypeAnnotation\");\n\n    case \"bool\":\n      case \"boolean\":\n        return\n        this.finishNode(node, \"BooleanTypeAnnotation\");\n\n    case \"mixed\":\n      return this.finishNode(node,\n      \"MixedTypeAnnotation\");\n\n    case \"empty\":\n      return this.finishNode(node,\n      \"EmptyTypeAnnotation\");\n\n    case \"number\":\n      return this.finishNode(node,\n      \"NumberTypeAnnotation\");\n\n    case \"string\":\n      return this.finishNode(node,\n      \"StringTypeAnnotation\");\n\n    case \"symbol\":\n      return this.finishNode(node,\n      \"SymbolTypeAnnotation\");\n\n    default:\n      this.checkNotUnderscore(id.name);\n      return\n      this.flowParseGenericType(startPos, startLoc, id);\n  }\n}\n\nflowParsePrimaryType() {\n  const startPos =\n  this.state.start;\n  const startLoc = this.state.startLoc;\n  const node = this.startNode();\n  let tmp;\n  let type;\n  let isGroupedType = false;\n  const oldNoAnonFunctionType = this.state.noAnonFunctionType;\n\n  switch\n  (this.state.type) {\n    case types$1.name:\n      if (this.isContextual(\"interface\")) {\n        return\n        this.flowParseInterfaceType();\n      }\n      return this.flowIdentToTypeAnnotation(startPos, startLoc, node,\n      this.parseIdentifier());\n\n    case types$1.braceL:\n      return this.flowParseObjectType({\n        allowStatic:\n        false,\n        allowExact: false,\n        allowSpread: true,\n        allowProto: false,\n        allowInexact: true\n      });\n\n    case types$1.braceBarL:\n      return this.flowParseObjectType({\n        allowStatic: false,\n        allowExact: true,\n        allowSpread: true,\n        allowProto: false,\n        allowInexact: false\n      });\n\n    case types$1.bracketL:\n      this.state.noAnonFunctionType = false;\n      type = this.flowParseTupleType();\n      this.state.noAnonFunctionType = oldNoAnonFunctionType;\n      return type;\n\n    case types$1.relational:\n      if (this.state.value === \"<\") {\n        node.typeParameters = this.flowParseTypeParameterDeclaration();\n        this.expect(types$1.parenL);\n        tmp = this.flowParseFunctionTypeParams();\n        node.params =\n        tmp.params;\n        node.rest = tmp.rest;\n        node.this = tmp._this;\n        this.expect(types$1.parenR);\n        this.expect(types$1.arrow);\n        node.returnType = this.flowParseType();\n        return this.finishNode(node,\n        \"FunctionTypeAnnotation\");\n      }\n\n      break;\n\n    case types$1.parenL:\n      this.next();\n\n      if\n      (!this.match(types$1.parenR) && !this.match(types$1.ellipsis)) {\n        if (this.match(types$1.name) ||\n        this.match(types$1._this)) {\n          const token = this.lookahead().type;\n          isGroupedType = token !==\n          types$1.question && token !== types$1.colon;\n        } else {\n          isGroupedType = true;\n        }\n      }\n\n      if (isGroupedType) {\n        this.state.noAnonFunctionType = false;\n        type = this.flowParseType();\n        this.state.noAnonFunctionType = oldNoAnonFunctionType;\n\n        if (this.state.noAnonFunctionType ||

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!(this.match(types$1.comma) || this.match(types$1.parenR) && this.lookahead().type === types$1.arrow)) {\n
this.expect(types$1.parenR);\n      return type;\n      } else {\n      this.eat(types$1.comma);\n      }\n}\n\n  if (type) {\n    tmp =
this.flowParseFunctionTypeParams([this.reinterpretTypeAsFunctionTypeParam(type)];\n  } else {\n    tmp
= this.flowParseFunctionTypeParams();\n  }\n\n  node.params = tmp.params;\n  node.rest = tmp.rest;\n  node.this = tmp._this;\n  this.expect(types$1.parenR);\n  this.expect(types$1.arrow);\n  node.returnType
= this.flowParseType();\n  node.typeParameters = null;\n  return this.finishNode(node,
\"FunctionTypeAnnotation\");\n\n  case types$1.string:\n    return this.parseLiteral(this.state.value,
\"StringLiteralTypeAnnotation\");\n\n  case types$1._true:\n  case types$1._false:\n    node.value =
this.match(types$1._true);\n    this.next();\n    return this.finishNode(node,
\"BooleanLiteralTypeAnnotation\");\n\n  case types$1.plusMin:\n    if (this.state.value === \"-\") {\n
this.next();\n\n    if (this.match(types$1.num)) {\n      return this.parseLiteral(-this.state.value,
\"NumberLiteralTypeAnnotation\", node.start, node.loc.start);\n    }\n\n    if (this.match(types$1.bigint)) {\n
return this.parseLiteral(-this.state.value, \"BigIntLiteralTypeAnnotation\", node.start, node.loc.start);\n
}\n\n    throw this.raise(this.state.start, FlowErrors.UnexpectedSubtractionOperand);\n  }\n\n  throw
this.unexpected();\n\n  case types$1.num:\n    return this.parseLiteral(this.state.value,
\"NumberLiteralTypeAnnotation\");\n\n  case types$1.bigint:\n    return this.parseLiteral(this.state.value,
\"BigIntLiteralTypeAnnotation\");\n\n  case types$1._void:\n    this.next();\n    return this.finishNode(node,
\"VoidTypeAnnotation\");\n\n  case types$1._null:\n    this.next();\n    return this.finishNode(node,
\"NullLiteralTypeAnnotation\");\n\n  case types$1._this:\n    this.next();\n    return this.finishNode(node,
\"ThisTypeAnnotation\");\n\n  case types$1.star:\n    this.next();\n    return this.finishNode(node,
\"ExistsTypeAnnotation\");\n\n  default:\n    if (this.state.type.keyword === \"typeof\") {\n      return
this.flowParseTypeofType();\n    } else if (this.state.type.keyword) {\n      const label = this.state.type.label;\n
this.next();\n      return super.createIdentifier(node, label);\n    }\n\n  }\n\n  throw this.unexpected();\n}\n\n
flowParsePostfixType() {\n  const startPos = this.state.start;\n  const startLoc = this.state.startLoc;\n  let
type = this.flowParsePrimaryType();\n  let seenOptionalIndexedAccess = false;\n  while
((this.match(types$1.bracketL) || this.match(types$1.questionDot)) && !this.canInsertSemicolon()) {\n  const
node = this.startNodeAt(startPos, startLoc);\n  const optional = this.eat(types$1.questionDot);\n
seenOptionalIndexedAccess = seenOptionalIndexedAccess || optional;\n  this.expect(types$1.bracketL);\n\n  if
(!optional && this.match(types$1.bracketR)) {\n    node.elementType = type;\n    this.next();\n    type =
this.finishNode(node, \"ArrayTypeAnnotation\");\n  } else {\n    node.objectType = type;\n
node.indexType = this.flowParseType();\n    this.expect(types$1.bracketR);\n\n    if
(seenOptionalIndexedAccess) {\n      node.optional = optional;\n      type = this.finishNode(node,
\"OptionalIndexedAccessType\");\n    } else {\n      type = this.finishNode(node, \"IndexedAccessType\");\n
}\n  }\n\n  return type;\n}\n\n
flowParsePrefixType() {\n  const node = this.startNode();\n\n  if
(this.eat(types$1.question)) {\n    node.typeAnnotation = this.flowParsePrefixType();\n    return
this.finishNode(node, \"NullableTypeAnnotation\");\n  } else {\n    return this.flowParsePostfixType();\n  }\n}\n\n
flowParseAnonFunctionWithoutParens() {\n  const param = this.flowParsePrefixType();\n\n  if
(!this.state.noAnonFunctionType && this.eat(types$1.arrow)) {\n    const node = this.startNodeAt(param.start,
param.loc.start);\n    node.params = [this.reinterpretTypeAsFunctionTypeParam(param)];\n    node.rest = null;\n
node.this = null;\n    node.returnType = this.flowParseType();\n    node.typeParameters = null;\n    return
this.finishNode(node, \"FunctionTypeAnnotation\");\n  }\n\n  return param;\n}\n\n
flowParseIntersectionType() {\n  const node = this.startNode();\n  this.eat(types$1.bitwiseAND);\n  const type =
this.flowParseAnonFunctionWithoutParens();\n  node.types = [type];\n\n  while (this.eat(types$1.bitwiseAND)) {\n
node.types.push(this.flowParseAnonFunctionWithoutParens());\n  }\n\n  return node.types.length === 1 ?
type : this.finishNode(node, \"IntersectionTypeAnnotation\");\n}\n\n
flowParseUnionType() {\n  const node =
this.startNode();\n  this.eat(types$1.bitwiseOR);\n  const type = this.flowParseIntersectionType();\n  node.types
= [type];\n\n  while (this.eat(types$1.bitwiseOR)) {\n    node.types.push(this.flowParseIntersectionType());\n

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startLoc));\n\n  if (!result.node) {\n    refNeedsArrowPos.start = result.error.pos || this.state.start;\n    return\n    expr;\n  }\n\n  if (result.error) this.state = result.failState;\n  return result.node;\n}\n\nthis.expect(types$1.question);\nconst state = this.state.clone();\nconst originalNoArrowAt =\nthis.state.noArrowAt;\nconst node = this.startNodeAt(startPos, startLoc);\nlet {\n  consequent,\n  failed\n} = this.tryParseConditionalConsequent();\nlet [valid, invalid] = this.getArrowLikeExpressions(consequent);\nif (failed || invalid.length > 0) {\n  const noArrowAt = [...originalNoArrowAt];\n  if (invalid.length > 0) {\n    this.state = state;\n    this.state.noArrowAt = noArrowAt;\n    for (let i = 0; i < invalid.length; i++) {\n      noArrowAt.push(invalid[i].start);\n    }\n    ({\n      consequent,\n      failed\n    } =\nthis.tryParseConditionalConsequent());\n    [valid, invalid] = this.getArrowLikeExpressions(consequent);\n  }\n\n  if (failed && valid.length > 1) {\n    this.raise(state.start, FlowErrors.AmbiguousConditionalArrow);\n  }\n\n  if (failed && valid.length === 1) {\n    this.state = state;\n    this.state.noArrowAt =\nnoArrowAt.concat(valid[0].start);\n    ({\n      consequent,\n      failed\n    } =\nthis.tryParseConditionalConsequent());\n  }\n\n  this.getArrowLikeExpressions(consequent, true);\n  this.state.noArrowAt = originalNoArrowAt;\n  this.expect(types$1.colon);\n  node.test = expr;\n  node.consequent = consequent;\n  node.alternate = this.forwardNoArrowParamsConversionAt(node, () =>\nthis.parseMaybeAssign(undefined, undefined, undefined));\n  return this.finishNode(node,\n\"ConditionalExpression\");\n}\n\ntryParseConditionalConsequent() {\n  this.state.noArrowParamsConversionAt.push(this.state.start);\n  const consequent =\nthis.parseMaybeAssignAllowIn();\n  const failed = !this.match(types$1.colon);\n  this.state.noArrowParamsConversionAt.pop();\n  return {\n    consequent,\n    failed\n  };\n}\n\ngetArrowLikeExpressions(node, disallowInvalid) {\n  const stack = [node];\n  const arrows = [];\n  while\n(stack.length !== 0) {\n    const node = stack.pop();\n\n    if (node.type === \"ArrowFunctionExpression\") {\n      if (node.typeParameters || !node.returnType) {\n        this.finishArrowValidation(node);\n      } else {\n        arrows.push(node);\n      }\n\n      stack.push(node.body);\n    } else if (node.type ===\n\"ConditionalExpression\") {\n      stack.push(node.consequent);\n      stack.push(node.alternate);\n    }\n  }\n\n  if (disallowInvalid) {\n    arrows.forEach(node => this.finishArrowValidation(node));\n    return [arrows, []];\n  }\n\n  return partition(arrows, node => node.params.every(param => this.isAssignable(param, true)));;\n}\n\nfinishArrowValidation(node) {\n  var _node$extra;\n\n  this.toAssignableList(node.params, (_node$extra =\nnode.extra) == null ? void 0 : _node$extra.trailingComma, false);\n  this.scope.enter(SCOPE_FUNCTION | SCOPE_ARROW);\n  super.checkParams(node, false, true);\n  this.scope.exit();\n}\n\nforwardNoArrowParamsConversionAt(node, parse) {\n  let result;\n\n  if\n(this.state.noArrowParamsConversionAt.indexOf(node.start) !== -1) {\n    this.state.noArrowParamsConversionAt.push(this.state.start);\n    result = parse();\n    this.state.noArrowParamsConversionAt.pop();\n  } else {\n    result = parse();\n  }\n\n  return result;\n}\n\nparseParenItem(node, startPos, startLoc) {\n  node = super.parseParenItem(node, startPos, startLoc);\n\n  if\n(this.eat(types$1.question)) {\n    node.optional = true;\n    this.resetEndLocation(node);\n  }\n\n  if\n(this.match(types$1.colon)) {\n    const typeCastNode = this.startNodeAt(startPos, startLoc);\n    typeCastNode.expression = node;\n    typeCastNode.typeAnnotation = this.flowParseTypeAnnotation();\n    return this.finishNode(typeCastNode, \"TypeCastExpression\");\n  }\n\n  return node;\n}\n\nassertModuleNodeAllowed(node) {\n  if (node.type === \"ImportDeclaration\" && (node.importKind === \"type\"\n|| node.importKind === \"typeof\") || node.type === \"ExportNamedDeclaration\" && node.exportKind === \"type\"\n|| node.type === \"ExportAllDeclaration\" && node.exportKind === \"type\") {\n    return;\n  }\n\n  super.assertModuleNodeAllowed(node);\n}\n\nparseExport(node) {\n  const decl =\nsuper.parseExport(node);\n\n  if (decl.type === \"ExportNamedDeclaration\" || decl.type ===\n\"ExportAllDeclaration\") {\n    decl.exportKind = decl.exportKind || \"value\";\n  }\n\n  return decl;\n}\n\nparseExportDeclaration(node) {\n  if (this.isContextual(\"type\")) {\n    node.exportKind = \"type\";\n    const\ndeclarationNode = this.startNode();\n    this.next();\n\n    if (this.match(types$1.braceL)) {\n      node.specifiers =\nthis.parseExportSpecifiers();\n      this.parseExportFrom(node);\n      return null;\n    } else {\n      return

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this.flowParseTypeAlias(declarationNode);\n  }\n } else if (this.isContextual("\opaque")) {\n
node.exportKind = "\type";\n  const declarationNode = this.startNode();\n  this.next();\n  return
this.flowParseOpaqueType(declarationNode, false);\n } else if (this.isContextual("\interface")) {\n
node.exportKind = "\type";\n  const declarationNode = this.startNode();\n  this.next();\n  return
this.flowParseInterface(declarationNode);\n } else if (this.shouldParseEnums() && this.isContextual("\enum"))
{\n  node.exportKind = "\value";\n  const declarationNode = this.startNode();\n  this.next();\n  return
this.flowParseEnumDeclaration(declarationNode);\n } else {\n  return super.parseExportDeclaration(node);\n
}\n }\n\n eatExportStar(node) {\n  if (super.eatExportStar(...arguments)) return true;\n  if
(this.isContextual("\type") && this.lookahead().type === types$.star) {\n  node.exportKind = "\type";\n
this.next();\n  this.next();\n  return true;\n  }\n\n  return false;\n  }\n\n
maybeParseExportNamespaceSpecifier(node) {\n  const pos = this.state.start;\n  const hasNamespace =
super.maybeParseExportNamespaceSpecifier(node);\n\n  if (hasNamespace && node.exportKind === "\type") {\n
  this.unexpected(pos);\n  }\n\n  return hasNamespace;\n  }\n\n  parseClassId(node, isStatement, optionalId) {\n
super.parseClassId(node, isStatement, optionalId);\n\n  if (this.isRelational("<")) {\n  node.typeParameters =
this.flowParseTypeParameterDeclaration();\n  }\n  }\n\n  parseClassMember(classBody, member, state) {\n  const
pos = this.state.start;\n\n  if (this.isContextual("\declare")) {\n  if
(this.parseClassMemberFromModifier(classBody, member)) {\n  return;\n  }\n\n  member.declare = true;\n
  }\n\n  super.parseClassMember(classBody, member, state);\n\n  if (member.declare) {\n  if (member.type !==
"\ClassProperty" && member.type !== "\ClassPrivateProperty" && member.type !== "\PropertyDefinition") {\n
  this.raise(pos, FlowErrors.DeclareClassElement);\n  } else if (member.value) {\n
this.raise(member.value.start, FlowErrors.DeclareClassFieldInitializer);\n  }\n  }\n\n  }\n\n  isIterator(word) {\n
return word === "\iterator" || word === "\asyncIterator";\n  }\n\n  readIterator() {\n  const word =
super.readWord1();\n  const fullWord = "\@" + word;\n\n  if (!this.isIterator(word) || !this.state.inType) {\n
this.raise(this.state.pos, ErrorMessages.InvalidIdentifier, fullWord);\n  }\n\n  this.finishToken(types$.name,
fullWord);\n  }\n\n  getTokenFromCode(code) {\n  const next = this.input.charCodeAt(this.state.pos + 1);\n\n  if
(code === 123 && next === 124) {\n  return this.finishOp(types$.braceBarL, 2);\n  } else if (this.state.inType
&& (code === 62 || code === 60)) {\n  return this.finishOp(types$.relational, 1);\n  } else if (this.state.inType
&& code === 63) {\n  if (next === 46) {\n  return this.finishOp(types$.questionDot, 2);\n  }\n\n  return
this.finishOp(types$.question, 1);\n  } else if (isIteratorStart(code, next)) {\n  this.state.pos += 2;\n  return
this.readIterator();\n  } else {\n  return super.getTokenFromCode(code);\n  }\n  }\n\n  isAssignable(node,
isBinding) {\n  switch (node.type) {\n  case "\Identifier":\n  case "\ObjectPattern":\n  case
"\ArrayPattern":\n  case "\AssignmentPattern":\n  return true;\n\n  case "\ObjectExpression":\n  {\n
const last = node.properties.length - 1;\n  return node.properties.every((prop, i) => {\n  return prop.type
!== "\ObjectMethod" && (i === last || prop.type === "\SpreadElement") && this.isAssignable(prop);\n  });\n
  }\n\n  case "\ObjectProperty":\n  return this.isAssignable(node.value);\n\n  case "\SpreadElement":\n
return this.isAssignable(node.argument);\n\n  case "\ArrayExpression":\n  return
node.elements.every(element => this.isAssignable(element));\n\n  case "\AssignmentExpression":\n  return
node.operator === "\=";\n\n  case "\ParenthesizedExpression":\n  case "\TypeCastExpression":\n  return
this.isAssignable(node.expression);\n\n  case "\MemberExpression":\n  case "\OptionalMemberExpression":\n
return !isBinding;\n\n  default:\n  return false;\n  }\n  }\n\n  toAssignable(node, isLHS = false) {\n  if
(node.type === "\TypeCastExpression") {\n  return super.toAssignable(this.typeCastToParameter(node),
isLHS);\n  } else {\n  return super.toAssignable(node, isLHS);\n  }\n  }\n\n  toAssignableList(exprList,
trailingCommaPos, isLHS) {\n  for (let i = 0; i < exprList.length; i++) {\n  const expr = exprList[i];\n\n  if
((expr == null ? void 0 : expr.type) === "\TypeCastExpression") {\n  exprList[i] =
this.typeCastToParameter(expr);\n  }\n  }\n\n  return super.toAssignableList(exprList, trailingCommaPos,
isLHS);\n  }\n\n  toReferencedList(exprList, isParenthesizedExpr) {\n  for (let i = 0; i < exprList.length; i++) {\n
var _expr$extra;\n\n  const expr = exprList[i];\n\n  if (expr && expr.type === "\TypeCastExpression" &&
!((_expr$extra = expr.extra) != null && _expr$extra.parenthesized) && (exprList.length > 1 ||

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!isParenthesizedExpr) {\n      this.raise(expr.typeAnnotation.start, FlowErrors.TypeCastInPattern);\n    }\n  }\n\n  return exprList;\n}\n\n  parseArrayLike(close, canBePattern, isTuple, refExpressionErrors) {\n    const node =\n    super.parseArrayLike(close, canBePattern, isTuple, refExpressionErrors);\n\n    if (canBePattern &&\n    !this.state.maybeInArrowParameters) {\n      this.toReferencedList(node.elements);\n    }\n\n    return node;\n}\n\n  checkLVal(expr, ...args) {\n    if (expr.type !== \"TypeCastExpression\") {\n      return super.checkLVal(expr,\n      ...args);\n    }\n  }\n\n  parseClassProperty(node) {\n    if (this.match(types$1.colon)) {\n      node.typeAnnotation =\n      this.flowParseTypeAnnotation();\n    }\n\n    return super.parseClassProperty(node);\n}\n\n  parseClassPrivateProperty(node) {\n    if (this.match(types$1.colon)) {\n      node.typeAnnotation =\n      this.flowParseTypeAnnotation();\n    }\n\n    return super.parseClassPrivateProperty(node);\n}\n\n  isClassMethod() {\n    return this.isRelational(\"<\") || super.isClassMethod();\n}\n\n  isClassProperty() {\n    return\n    this.match(types$1.colon) || super.isClassProperty();\n}\n\n  isNonstaticConstructor(method) {\n    return\n    !this.match(types$1.colon) && super.isNonstaticConstructor(method);\n}\n\n  pushClassMethod(classBody,\n  method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {\n    if (method.variance) {\n      this.unexpected(method.variance.start);\n    }\n\n    delete method.variance;\n\n    if (this.isRelational(\"<\")) {\n      method.typeParameters = this.flowParseTypeParameterDeclaration();\n    }\n\n    super.pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper);\n\n    if\n    (method.params && isConstructor) {\n      const params = method.params;\n\n      if (params.length > 0 &&\n      this.isThisParam(params[0])) {\n        this.raise(method.start, FlowErrors.ThisParamBannedInConstructor);\n      }\n\n      } else if (method.type === \"MethodDefinition\" && isConstructor && method.value.params) {\n        const params\n        = method.value.params;\n\n        if (params.length > 0 && this.isThisParam(params[0])) {\n          this.raise(method.start, FlowErrors.ThisParamBannedInConstructor);\n        }\n      }\n\n    pushClassPrivateMethod(classBody, method, isGenerator, isAsync) {\n      if (method.variance) {\n        this.unexpected(method.variance.start);\n      }\n\n      delete method.variance;\n\n      if (this.isRelational(\"<\")) {\n        method.typeParameters = this.flowParseTypeParameterDeclaration();\n      }\n\n      super.pushClassPrivateMethod(classBody, method, isGenerator, isAsync);\n    }\n\n    parseClassSuper(node) {\n      super.parseClassSuper(node);\n\n      if (node.superClass && this.isRelational(\"<\")) {\n        node.superTypeParameters = this.flowParseTypeParameterInstantiation();\n      }\n\n      if\n      (this.isContextual(\"implements\")) {\n        this.next();\n        const implemented = node.implements = [];\n\n        do\n        {\n          const node = this.startNode();\n          node.id = this.flowParseRestrictedIdentifier(true);\n\n          if\n          (this.isRelational(\"<\")) {\n            node.typeParameters = this.flowParseTypeParameterInstantiation();\n          }\n        } else\n        {\n          node.typeParameters = null;\n        }\n\n        implemented.push(this.finishNode(node,\n        \"ClassImplements\"));\n      }\n    } while (this.eat(types$1.comma));\n  }\n}\n\n  checkGetterSetterParams(method)\n  {\n    super.checkGetterSetterParams(method);\n    const params =\n    this.getObjectOrClassMethodParams(method);\n\n    if (params.length > 0) {\n      const param = params[0];\n\n      if (this.isThisParam(param) && method.kind === \"get\") {\n        this.raise(param.start,\n        FlowErrors.GetterMayNotHaveThisParam);\n      }\n      } else if (this.isThisParam(param)) {\n        this.raise(param.start,\n        FlowErrors.SetterMayNotHaveThisParam);\n      }\n    }\n\n  parsePropertyName(node, isPrivateNameAllowed)\n  {\n    const variance = this.flowParseVariance();\n    const key = super.parsePropertyName(node,\n    isPrivateNameAllowed);\n\n    node.variance = variance;\n    return key;\n}\n\n  parseObjPropValue(prop, startPos,\n  startLoc, isGenerator, isAsync, isPattern, isAccessor, refExpressionErrors) {\n    if (prop.variance) {\n      this.unexpected(prop.variance.start);\n    }\n\n    delete prop.variance;\n    let typeParameters;\n\n    if\n    (this.isRelational(\"<\") && !isAccessor) {\n      typeParameters = this.flowParseTypeParameterDeclaration();\n    }\n\n    if (!this.match(types$1.parenL)) this.unexpected();\n\n    super.parseObjPropValue(prop, startPos, startLoc,\n    isGenerator, isAsync, isPattern, isAccessor, refExpressionErrors);\n\n    if (typeParameters) {\n      (prop.value ||\n      prop).typeParameters = typeParameters;\n    }\n\n  parseAssignableListItemTypes(param) {\n    if\n    (this.eat(types$1.question)) {\n      if (param.type !== \"Identifier\") {\n        this.raise(param.start,\n        FlowErrors.OptionalBindingPattern);\n      }\n\n      } else if (this.isThisParam(param)) {\n        this.raise(param.start,\n        FlowErrors.ThisParamMayNotBeOptional);\n      }\n\n      param.optional = true;\n    }\n\n    if

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(this.match(types$1.colon)) {\n  param.typeAnnotation = this.flowParseTypeAnnotation();\n  } else if
(this.isThisParam(param)) {\n  this.raise(param.start, FlowErrors.ThisParamAnnotationRequired);\n  }\n\n  if
(this.match(types$1.eq) && this.isThisParam(param)) {\n  this.raise(param.start,
FlowErrors.ThisParamNoDefault);\n  }\n\n  this.resetEndLocation(param);\n  return param;\n  }\n\n  parseMaybeDefault(startPos, startLoc, left) {\n  const node = super.parseMaybeDefault(startPos, startLoc, left);\n\n  if (node.type === "AssignmentPattern" && node.typeAnnotation && node.right.start <
node.typeAnnotation.start) {\n  this.raise(node.typeAnnotation.start, FlowErrors.TypeBeforeInitializer);\n  }\n\n  return node;\n  }\n\n  shouldParseDefaultImport(node) {\n  if (!hasTypeImportKind(node)) {\n  return
super.shouldParseDefaultImport(node);\n  }\n\n  return isMaybeDefaultImport(this.state);\n  }\n\n  parseImportSpecifierLocal(node, specifier, type, contextDescription) {\n  specifier.local =
hasTypeImportKind(node) ? this.flowParseRestrictedIdentifier(true, true) : this.parseIdentifier();\n  this.checkLVal(specifier.local, contextDescription, BIND_LEXICAL);\n\n  node.specifiers.push(this.finishNode(specifier, type));\n  }\n\n  maybeParseDefaultImportSpecifier(node) {\n  node.importKind = "value";\n  let kind = null;\n\n  if (this.match(types$1._.typeof)) {\n  kind = "typeof";\n  } else if (this.isContextual("type")) {\n  kind = "type";\n  }\n\n  if (kind) {\n  const lh =
this.lookahead();\n\n  if (kind === "type" && lh.type === types$1.star) {\n  this.unexpected(lh.start);\n  }\n\n  if (isMaybeDefaultImport(lh) || lh.type === types$1.braceL || lh.type === types$1.star) {\n
this.next();\n  node.importKind = kind;\n  }\n  }\n\n  return
super.maybeParseDefaultImportSpecifier(node);\n  }\n\n  parseImportSpecifier(node) {\n  const specifier =
this.startNode();\n  const firstIdentLoc = this.state.start;\n  const firstIdent = this.parseModuleExportName();\n\n  let specifierTypeKind = null;\n\n  if (firstIdent.type === "Identifier") {\n  if (firstIdent.name === "type") {\n
specifierTypeKind = "type";\n  } else if (firstIdent.name === "typeof") {\n  specifierTypeKind =
"typeof";\n  }\n  }\n\n  let isBinding = false;\n\n  if (this.isContextual("as") &&
!this.isLookaheadContextual("as")) {\n  const as_ident = this.parseIdentifier(true);\n\n  if (specifierTypeKind
!== null && !this.match(types$1.name) && !this.state.type.keyword) {\n  specifier.imported = as_ident;\n
specifier.importKind = specifierTypeKind;\n  specifier.local = as_ident.__clone();\n  } else {\n
specifier.imported = firstIdent;\n  specifier.importKind = null;\n  specifier.local = this.parseIdentifier();\n
}\n  } else if (specifierTypeKind !== null && (this.match(types$1.name) || this.state.type.keyword)) {\n
specifier.imported = this.parseIdentifier(true);\n  specifier.importKind = specifierTypeKind;\n\n  if
(this.eatContextual("as")) {\n  specifier.local = this.parseIdentifier();\n  } else {\n  isBinding = true;\n
specifier.local = specifier.imported.__clone();\n  }\n  } else {\n  if (firstIdent.type === "StringLiteral") {\n
throw this.raise(specifier.start, ErrorMessages.ImportBindingIsString, firstIdent.value);\n  }\n\n  isBinding =
true;\n  specifier.imported = firstIdent;\n  specifier.importKind = null;\n  specifier.local =
specifier.imported.__clone();\n  }\n\n  const nodeIsTypeImport = hasTypeImportKind(node);\n  const
specifierIsTypeImport = hasTypeImportKind(specifier);\n\n  if (nodeIsTypeImport && specifierIsTypeImport) {\n
this.raise(firstIdentLoc, FlowErrors.ImportTypeShorthandOnlyInPureImport);\n  }\n\n  if (nodeIsTypeImport ||
specifierIsTypeImport) {\n  this.checkReservedType(specifier.local.name, specifier.local.start, true);\n  }\n\n  if
(isBinding && !nodeIsTypeImport && !specifierIsTypeImport) {\n
this.checkReservedWord(specifier.local.name, specifier.start, true, true);\n  }\n\n  this.checkLVal(specifier.local,
"import specifier", BIND_LEXICAL);\n  node.specifiers.push(this.finishNode(specifier, "ImportSpecifier"));\n
}\n\n  parseBindingAtom() {\n  switch (this.state.type) {\n  case types$1._.this:\n  return
this.parseIdentifier(true);\n\n  default:\n  return super.parseBindingAtom();\n  }\n  }\n\n  parseFunctionParams(node, allowModifiers) {\n  const kind = node.kind;\n\n  if (kind !== "get" && kind !==
"set" && this.isRelational("<")) {\n  node.typeParameters = this.flowParseTypeParameterDeclaration();\n
}\n\n  super.parseFunctionParams(node, allowModifiers);\n  }\n\n  parseVarId(decl, kind) {\n  super.parseVarId(decl, kind);\n\n  if (this.match(types$1.colon)) {\n  decl.id.typeAnnotation =
this.flowParseTypeAnnotation();\n  this.resetEndLocation(decl.id);\n  }\n  }\n\n  parseAsyncArrowFromCallExpression(node, call) {\n  if (this.match(types$1.colon)) {\n  const

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oldNoAnonFunctionType = this.state.noAnonFunctionType;\n    this.state.noAnonFunctionType = true;\n    node.returnType = this.flowParseTypeAnnotation();\n    this.state.noAnonFunctionType =\n    oldNoAnonFunctionType;\n  }\n\n  return super.parseAsyncArrowFromCallExpression(node, call);\n}\n\nshouldParseAsyncArrow() {\n  return this.match(types$1.colon) || super.shouldParseAsyncArrow();\n}\n\nparseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos) {\n  var _jsx;\n\n  let state = null;\n  let jsx;\n\n  if (this.hasPlugin("\`jsx\`") && (this.match(types$1.jsxTagStart) || this.isRelational("\`<`\`"))) {\n    state =\n    this.state.clone();\n    jsx = this.tryParse(() => super.parseMaybeAssign(refExpressionErrors, afterLeftParse,\n    refNeedsArrowPos), state);\n    if (!jsx.error) return jsx.node;\n    const {\n      context\n    } = this.state;\n\n    if (context[context.length - 1] === types.j_oTag) {\n      context.length -= 2;\n    } else if (context[context.length -\n    1] === types.j_expr) {\n      context.length -= 1;\n    }\n  }\n\n  if ((_jsx = jsx) != null && _jsx.error ||\n  this.isRelational("\`<`\`")) {\n    var _jsx2, _jsx3;\n\n    state = state || this.state.clone();\n    let typeParameters;\n    const arrow = this.tryParse(abort => {\n      var _arrowExpression$extr;\n\n      typeParameters =\n      this.flowParseTypeParameterDeclaration();\n      const arrowExpression =\n      this.forwardNoArrowParamsConversionAt(typeParameters, () => {\n        const result =\n        super.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos);\n        this.resetStartLocationFromNode(result, typeParameters);\n        return result;\n      });\n\n      if\n      (arrowExpression.type !== "\`ArrowFunctionExpression\`" && (_arrowExpression$extr = arrowExpression.extra) !=\n      null && _arrowExpression$extr.parenthesized) {\n        abort();\n      }\n\n      const expr =\n      this.maybeUnwrapTypeCastExpression(arrowExpression);\n      expr.typeParameters = typeParameters;\n      this.resetStartLocationFromNode(expr, typeParameters);\n      return arrowExpression;\n    }, state);\n    let\n    arrowExpression = null;\n\n    if (arrow.node && this.maybeUnwrapTypeCastExpression(arrow.node).type ===\n    "\`ArrowFunctionExpression\`") {\n      if (!arrow.error && !arrow.aborted) {\n        if (arrow.node.async) {\n          this.raise(typeParameters.start, FlowErrors.UnexpectedTypeParameterBeforeAsyncArrowFunction);\n        }\n\n        return arrow.node;\n      }\n\n      arrowExpression = arrow.node;\n    }\n\n    if ((_jsx2 = jsx) != null &&\n    _jsx2.node) {\n      this.state = jsx.failState;\n      return jsx.node;\n    }\n\n    if (arrowExpression) {\n      this.state = arrow.failState;\n      return arrowExpression;\n    }\n\n    if ((_jsx3 = jsx) != null && _jsx3.thrown)\n    throw jsx.error;\n    if (arrow.thrown) throw arrow.error;\n    throw this.raise(typeParameters.start,\n    FlowErrors.UnexpectedTokenAfterTypeParameter);\n  }\n\n  return\n  super.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos);\n}\n\nparseArrow(node) {\n  if (this.match(types$1.colon)) {\n    const result = this.tryParse(() => {\n      const oldNoAnonFunctionType =\n      this.state.noAnonFunctionType;\n      this.state.noAnonFunctionType = true;\n      const typeNode =\n      this.startNode();\n      [typeNode.typeAnnotation, node.predicate] = this.flowParseTypeAndPredicateInitialiser();\n      this.state.noAnonFunctionType = oldNoAnonFunctionType;\n      if (this.canInsertSemicolon())\n      this.unexpected();\n      if (!this.match(types$1.arrow)) this.unexpected();\n      return typeNode;\n    });\n\n    if\n    (result.thrown) return null;\n    if (result.error) this.state = result.failState;\n    node.returnType =\n    result.node.typeAnnotation ? this.finishNode(result.node, "\`TypeAnnotation\`") : null;\n  }\n\n  return\n  super.parseArrow(node);\n}\n\nshouldParseArrow() {\n  return this.match(types$1.colon) ||\n  super.shouldParseArrow();\n}\n\nsetArrowFunctionParameters(node, params) {\n  if\n  (this.state.noArrowParamsConversionAt.indexOf(node.start) !== -1) {\n    node.params = params;\n  } else {\n    super.setArrowFunctionParameters(node, params);\n  }\n}\n\ncheckParams(node, allowDuplicates,\n  isArrowFunction) {\n  if (isArrowFunction && this.state.noArrowParamsConversionAt.indexOf(node.start) !== -\n  1) {\n    return;\n  }\n\n  for (let i = 0; i < node.params.length; i++) {\n    if (this.isThisParam(node.params[i])\n    && i > 0) {\n      this.raise(node.params[i].start, FlowErrors.ThisParamMustBeFirst);\n    }\n  }\n\n  return\n  super.checkParams(...arguments);\n}\n\nparseParenAndDistinguishExpression(canBeArrow) {\n  return\n  super.parseParenAndDistinguishExpression(canBeArrow && this.state.noArrowAt.indexOf(this.state.start) === -\n  1);\n}\n\nparseSubscripts(base, startPos, startLoc, noCalls) {\n  if (base.type === "\`Identifier\`" && base.name\n  === "\`async\`" && this.state.noArrowAt.indexOf(startPos) !== -1) {\n    this.next();\n    const node =\n    this.startNodeAt(startPos, startLoc);\n    node.callee = base;\n    node.arguments =

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this.parseCallExpressionArguments(types$1.parenR, false);\n    base = this.finishNode(node,
\"CallExpression\");\n  } else if (base.type === \"Identifier\" && base.name === \"async\" &&
this.isRelational("<")) {\n    const state = this.state.clone();\n    const arrow = this.tryParse(abort =>
this.parseAsyncArrowWithTypeParameters(startPos, startLoc) || abort(), state);\n    if (!arrow.error &&
!arrow.aborted) return arrow.node;\n    const result = this.tryParse(() => super.parseSubscripts(base, startPos,
startLoc, noCalls), state);\n    if (result.node && !result.error) return result.node;\n\n    if (arrow.node) {\n      this.state = arrow.failState;\n      return arrow.node;\n    }\n\n    if (result.node) {\n      this.state =
result.failState;\n      return result.node;\n    }\n\n    throw arrow.error || result.error;\n  }\n\n  return
super.parseSubscripts(base, startPos, startLoc, noCalls);\n}\n\nparseSubscript(base, startPos, startLoc, noCalls,
subscriptState) {\n  if (this.match(types$1.questionDot) && this.isLookaheadToken_lt()) {\n
subscriptState.optionalChainMember = true;\n\n  if (noCalls) {\n    subscriptState.stop = true;\n    return
base;\n  }\n\n  this.next();\n  const node = this.startNodeAt(startPos, startLoc);\n  node.callee = base;\n
node.typeArguments = this.flowParseTypeParameterInstantiation();\n  this.expect(types$1.parenL);\n
node.arguments = this.parseCallExpressionArguments(types$1.parenR, false);\n  node.optional = true;\n  return
this.finishCallExpression(node, true);\n  } else if (!noCalls && this.shouldParseTypes() &&
this.isRelational("<")) {\n    const node = this.startNodeAt(startPos, startLoc);\n    node.callee = base;\n    const
result = this.tryParse(() => {\n      node.typeArguments = this.flowParseTypeParameterInstantiationCallOrNew();\n
      this.expect(types$1.parenL);\n      node.arguments = this.parseCallExpressionArguments(types$1.parenR,
false);\n      if (subscriptState.optionalChainMember) node.optional = false;\n      return
this.finishCallExpression(node, subscriptState.optionalChainMember);\n    });\n\n    if (result.node) {\n      if
(result.error) this.state = result.failState;\n      return result.node;\n    }\n  }\n\n  return
super.parseSubscript(base, startPos, startLoc, noCalls, subscriptState);\n}\n\nparseNewArguments(node) {\n  let
targs = null;\n\n  if (this.shouldParseTypes() && this.isRelational("<")) {\n    targs = this.tryParse(() =>
this.flowParseTypeParameterInstantiationCallOrNew()).node;\n  }\n\n  node.typeArguments = targs;\n
super.parseNewArguments(node);\n}\n\nparseAsyncArrowWithTypeParameters(startPos, startLoc) {\n  const
node = this.startNodeAt(startPos, startLoc);\n  this.parseFunctionParams(node);\n  if (!this.parseArrow(node))
return;\n  return this.parseArrowExpression(node, undefined, true);\n}\n\nreadToken_mult_modulo(code) {\n
const next = this.input.charCodeAt(this.state.pos + 1);\n\n  if (code === 42 && next === 47 &&
this.state.hasFlowComment) {\n    this.state.hasFlowComment = false;\n    this.state.pos += 2;\n
this.nextToken();\n    return;\n  }\n\n  super.readToken_mult_modulo(code);\n}\n\nreadToken_pipe_amp(code) {\n
const next = this.input.charCodeAt(this.state.pos + 1);\n\n  if (code === 124 &&
next === 125) {\n    this.finishOp(types$1.braceBarR, 2);\n    return;\n  }\n\n  super.readToken_pipe_amp(code);\n}\n\nparseTopLevel(file, program) {\n  const fileNode =
super.parseTopLevel(file, program);\n\n  if (this.state.hasFlowComment) {\n    this.raise(this.state.pos,
FlowErrors.UnterminatedFlowComment);\n  }\n\n  return fileNode;\n}\n\nskipBlockComment() {\n  if
(this.hasPlugin(\"flowComments\") && this.skipFlowComment()) {\n    if (this.state.hasFlowComment) {\n
this.unexpected(null, FlowErrors.NestedFlowComment);\n    }\n\n    this.hasFlowCommentCompletion();\n
this.state.pos += this.skipFlowComment();\n    this.state.hasFlowComment = true;\n    return;\n  }\n\n  if
(this.state.hasFlowComment) {\n    const end = this.input.indexOf(\"*-^\", this.state.pos + 2);\n\n    if (end === -
1) {\n      throw this.raise(this.state.pos - 2, ErrorMessages.UnterminatedComment);\n    }\n\n    this.state.pos =
end + 3;\n    return;\n  }\n\n  super.skipBlockComment();\n}\n\nskipFlowComment() {\n  const {\n    pos\n  } = this.state;\n  let shiftToFirstNonWhiteSpace = 2;\n\n  while ([32, 9].includes(this.input.charCodeAt(pos +
shiftToFirstNonWhiteSpace))) {\n    shiftToFirstNonWhiteSpace++;\n  }\n\n  const ch2 =
this.input.charCodeAt(shiftToFirstNonWhiteSpace + pos);\n  const ch3 =
this.input.charCodeAt(shiftToFirstNonWhiteSpace + pos + 1);\n\n  if (ch2 === 58 && ch3 === 58) {\n    return
shiftToFirstNonWhiteSpace + 2;\n  }\n\n  if (this.input.slice(shiftToFirstNonWhiteSpace + pos,
shiftToFirstNonWhiteSpace + pos + 12) === \"flow-include\") {\n    return shiftToFirstNonWhiteSpace + 12;\n  }\n\n  if (ch2 === 58 && ch3 !== 58) {\n    return shiftToFirstNonWhiteSpace;\n  }\n\n  return false;\n}\n\n

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hasFlowCommentCompletion() {\n  const end = this.input.indexOf("*/", this.state.pos);\n\n  if (end === -1) {\n    throw this.raise(this.state.pos, ErrorMessages.UnterminatedComment);\n  }\n}\n\nflowEnumErrorBooleanMemberNotInitialized(pos, {\n  enumName,\n  memberName\n}) {\n  this.raise(pos, FlowErrors.EnumBooleanMemberNotInitialized, memberName, enumName);\n}\n\nflowEnumErrorInvalidMemberName(pos, {\n  enumName,\n  memberName\n}) {\n  const suggestion = memberName[0].toUpperCase() + memberName.slice(1);\n  this.raise(pos, FlowErrors.EnumInvalidMemberName, memberName, suggestion, enumName);\n}\n\nflowEnumErrorDuplicateMemberName(pos, {\n  enumName,\n  memberName\n}) {\n  this.raise(pos, FlowErrors.EnumDuplicateMemberName, memberName, enumName);\n}\n\nflowEnumErrorInconsistentMemberValues(pos, {\n  enumName\n}) {\n  this.raise(pos, FlowErrors.EnumInconsistentMemberValues, enumName);\n}\n\nflowEnumErrorInvalidExplicitType(pos, {\n  enumName,\n  suppliedType\n}) {\n  return this.raise(pos, suppliedType === null ? FlowErrors.EnumInvalidExplicitTypeUnknownSupplied : FlowErrors.EnumInvalidExplicitType, enumName, suppliedType);\n}\n\nflowEnumErrorInvalidMemberInitializer(pos, {\n  enumName,\n  explicitType,\n  memberName\n}) {\n  let message = null;\n\n  switch (explicitType) {\n    case "boolean":\n    case "number":\n    case "string":\n      message = FlowErrors.EnumInvalidMemberInitializerPrimaryType;\n      break;\n    case "symbol":\n      message = FlowErrors.EnumInvalidMemberInitializerSymbolType;\n      break;\n    default:\n      message = FlowErrors.EnumInvalidMemberInitializerUnknownType;\n  }\n\n  return this.raise(pos, message, enumName, memberName, explicitType);\n}\n\nflowEnumErrorNumberMemberNotInitialized(pos, {\n  enumName,\n  memberName\n}) {\n  this.raise(pos, FlowErrors.EnumNumberMemberNotInitialized, enumName, memberName);\n}\n\nflowEnumErrorStringMemberInconsistentlyInitailized(pos, {\n  enumName\n}) {\n  this.raise(pos, FlowErrors.EnumStringMemberInconsistentlyInitailized, enumName);\n}\n\nflowEnumMemberInit() {\n  const startPos = this.state.start;\n\n  const endOfInit = () => this.match(types$1.comma) || this.match(types$1.braceR);\n\n  switch (this.state.type) {\n    case types$1.num:\n      {\n        const literal = this.parseLiteral(this.state.value, "NumericLiteral");\n\n        if (endOfInit()) {\n          return {\n            type: "number",\n            pos: literal.start,\n            value: literal\n          };\n        }\n\n        return {\n          type: "invalid",\n          pos: startPos\n        };\n      }\n    case types$1.string:\n      {\n        const literal = this.parseLiteral(this.state.value, "StringLiteral");\n\n        if (endOfInit()) {\n          return {\n            type: "string",\n            pos: literal.start,\n            value: literal\n          };\n        }\n\n        return {\n          type: "invalid",\n          pos: startPos\n        };\n      }\n    case types$1._true:\n    case types$1._false:\n      {\n        const literal = this.parseBooleanLiteral();\n\n        if (endOfInit()) {\n          return {\n            type: "boolean",\n            pos: literal.start,\n            value: literal\n          };\n        }\n\n        return {\n          type: "invalid",\n          pos: startPos\n        };\n      }\n    default:\n      return {\n        type: "invalid",\n        pos: startPos\n      };\n  }\n}\n\nflowEnumMemberRaw() {\n  const pos = this.state.start;\n  const id = this.parseIdentifier(true);\n  const init = this.eat(types$1.eq) ? this.flowEnumMemberInit() : {\n    type: "none",\n    pos\n  };\n  return {\n    id,\n    init\n  };\n}\n\nflowEnumCheckExplicitTypeMismatch(pos, context, expectedType) {\n  const { explicitType } = context;\n\n  if (explicitType === null) {\n    return;\n  }\n\n  if (explicitType !== expectedType) {\n    this.flowEnumErrorInvalidMemberInitializer(pos, context);\n  }\n}\n\nflowEnumMembers({\n  enumName,\n  explicitType\n}) {\n  const seenNames = new Set();\n  const members = {\n    booleanMembers: [],\n    numberMembers: [],\n    stringMembers: [],\n    defaultedMembers: []\n  };\n  let hasUnknownMembers = false;\n\n  while (!this.match(types$1.braceR)) {\n    if (this.eat(types$1.ellipsis)) {\n      hasUnknownMembers = true;\n      break;\n    }\n\n    const memberNode = this.startNode();\n    const { id, init } = this.flowEnumMemberRaw();\n    const memberName = id.name;\n\n    if (memberName === "") {\n      continue;\n    }\n\n    if (/^[a-z]/.test(memberName)) {\n      this.flowEnumErrorInvalidMemberName(id.start, {\n        enumName,\n        memberName\n      });\n    }\n\n    if (seenNames.has(memberName)) {\n      this.flowEnumErrorDuplicateMemberName(id.start, {\n        enumName,\n        memberName\n      });\n    }\n\n    seenNames.add(memberName);\n    const context = {\n
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enumName,\n      explicitType,\n      memberName\n    });\n    memberNode.id = id;\n\n    switch (init.type)\n    {\n      case \"boolean\":\n        {\n          this.flowEnumCheckExplicitTypeMismatch(init.pos, context,\n            \"boolean\");\n          memberNode.init = init.value;\n          members.booleanMembers.push(this.finishNode(memberNode, \"EnumBooleanMember\"));\n          break;\n        }\n      case \"number\":\n        {\n          this.flowEnumCheckExplicitTypeMismatch(init.pos, context,\n            \"number\");\n          memberNode.init = init.value;\n          members.numberMembers.push(this.finishNode(memberNode, \"EnumNumberMember\"));\n          break;\n        }\n      case \"string\":\n        {\n          this.flowEnumCheckExplicitTypeMismatch(init.pos, context,\n            \"string\");\n          memberNode.init = init.value;\n          members.stringMembers.push(this.finishNode(memberNode, \"EnumStringMember\"));\n          break;\n        }\n      case \"invalid\":\n        {\n          throw this.flowEnumErrorInvalidMemberInitializer(init.pos,\n            context);\n        }\n      case \"none\":\n        {\n          switch (explicitType) {\n            case \"boolean\":\n              this.flowEnumErrorBooleanMemberNotInitialized(init.pos, context);\n              break;\n            case\n              \"number\":\n                this.flowEnumErrorNumberMemberNotInitialized(init.pos, context);\n                break;\n            default:\n              members.defaultedMembers.push(this.finishNode(memberNode,\n                \"EnumDefaultedMember\"));\n          }\n        }\n    }\n\n    if (!this.match(types$1.braceR)) {\n      this.expect(types$1.comma);\n    }\n\n    return {\n      members,\n      hasUnknownMembers\n    };\n\n    flowEnumStringMembers(initializedMembers, defaultedMembers, {\n      enumName\n    }) {\n      if\n        (initializedMembers.length === 0) {\n          return defaultedMembers;\n        } else if (defaultedMembers.length === 0)\n        {\n          return initializedMembers;\n        } else if (defaultedMembers.length > initializedMembers.length) {\n          for\n            (const member of initializedMembers) {\n              this.flowEnumErrorStringMemberInconsistentlyInitailized(member.start, {\n                enumName\n              });\n            }\n          return defaultedMembers;\n        } else {\n          for (const member of defaultedMembers) {\n            this.flowEnumErrorStringMemberInconsistentlyInitailized(member.start, {\n              enumName\n            });\n          }\n          return initializedMembers;\n        }\n    }\n\n    flowEnumParseExplicitType({\n      enumName\n    }) {\n      if\n        (this.eatContextual(\"of\")) {\n          if (!this.match(types$1.name)) {\n            throw\n              this.flowEnumErrorInvalidExplicitType(this.state.start, {\n                enumName,\n                suppliedType: null\n              });\n          }\n          const {\n            value\n          } = this.state;\n          this.next();\n          if (value !== \"boolean\" && value !==\n            \"number\" && value !== \"string\" && value !== \"symbol\") {\n            this.flowEnumErrorInvalidExplicitType(this.state.start, {\n              enumName,\n              suppliedType: value\n            });\n          }\n          return value;\n        }\n        return null;\n      }\n\n    flowEnumBody(node, {\n      enumName,\n      nameLoc\n    }) {\n      const explicitType = this.flowEnumParseExplicitType({\n        enumName\n      });\n      this.expect(types$1.braceL);\n      const {\n        members,\n        hasUnknownMembers\n      } =\n        this.flowEnumMembers({\n          enumName,\n          explicitType\n        });\n      node.hasUnknownMembers =\n        hasUnknownMembers;\n      switch (explicitType) {\n        case \"boolean\":\n          node.explicitType = true;\n          node.members = members.booleanMembers;\n          this.expect(types$1.braceR);\n          return this.finishNode(node,\n            \"EnumBooleanBody\");\n        case \"number\":\n          node.explicitType = true;\n          node.members =\n            members.numberMembers;\n          this.expect(types$1.braceR);\n          return this.finishNode(node,\n            \"EnumNumberBody\");\n        case \"string\":\n          node.explicitType = true;\n          node.members =\n            this.flowEnumStringMembers(members.stringMembers, members.defaultedMembers, {\n              enumName\n            });\n          this.expect(types$1.braceR);\n          return this.finishNode(node, \"EnumStringBody\");\n        case\n          \"symbol\":\n            node.members = members.defaultedMembers;\n            this.expect(types$1.braceR);\n            return\n              this.finishNode(node, \"EnumSymbolBody\");\n        default:\n          {\n            const empty = () => {\n              node.members = [];\n              this.expect(types$1.braceR);\n              return this.finishNode(node,\n                \"EnumStringBody\");\n            };\n            node.explicitType = false;\n            const boolsLen =\n              members.booleanMembers.length;\n            const numsLen = members.numberMembers.length;\n            const strLen\n              = members.stringMembers.length;\n            const defaultedLen = members.defaultedMembers.length;\n            if\n              (!boolsLen && !numsLen && !strLen && !defaultedLen) {\n                return empty();\n              } else if (!boolsLen

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&& !numsLen) {\n      node.members = this.flowEnumStringMembers(members.stringMembers,
members.defaultedMembers, {\n      enumName\n      });\n      this.expect(types$1.braceR);\nreturn this.finishNode(node, \"EnumStringBody\");\n      } else if (!numsLen && !strsLen && boolsLen >=
defaultedLen) {\n      for (const member of members.defaultedMembers) {\n
this.flowEnumErrorBooleanMemberNotInitialized(member.start, {\n      enumName,\n
memberName: member.id.name\n      });\n      }\n      node.members = members.booleanMembers;\n
      this.expect(types$1.braceR);\n      return this.finishNode(node, \"EnumBooleanBody\");\n      } else if
(!boolsLen && !strsLen && numsLen >= defaultedLen) {\n      for (const member of
members.defaultedMembers) {\n      this.flowEnumErrorNumberMemberNotInitialized(member.start, {\n
enumName,\n      memberName: member.id.name\n      });\n      }\n      node.members =
members.numberMembers;\n      this.expect(types$1.braceR);\n      return this.finishNode(node,
\"EnumNumberBody\");\n      } else {\n      this.flowEnumErrorInconsistentMemberValues(nameLoc, {\n
enumName\n      });\n      return empty();\n      }\n      }\n      }\n      }\n      }\n\n
flowParseEnumDeclaration(node) {\n  const id = this.parseIdentifier();\n  node.id = id;\n  node.body =
this.flowEnumBody(this.startNode(), {\n  enumName: id.name,\n  nameLoc: id.start\n  });\n  return
this.finishNode(node, \"EnumDeclaration\");\n  }\n  }\n  updateContext(prevType) {\n  if (this.match(types$1.name)
&& this.state.value === \"of\" && prevType === types$1.name && this.input.slice(this.state.lastTokStart,
this.state.lastTokEnd) === \"interface\") {\n  this.state.exprAllowed = false;\n  } else {\n
super.updateContext(prevType);\n  }\n  }\n  isLookaheadToken_It() {\n  const next = this.nextTokenStart();\n
if (this.input.charCodeAtAt(next) === 60) {\n  const afterNext = this.input.charCodeAtAt(next + 1);\n  return
afterNext !== 60 && afterNext !== 61;\n  }\n  }\n  return false;\n  }\n  }\n  maybeUnwrapTypeCastExpression(node)
{\n  return node.type === \"TypeCastExpression\" ? node.expression : node;\n  }\n  }\n  }\n  const entities = {\n
quot: \"\u0022\", \n amp: \"&\", \n apos: \"\u0027\", \n lt: \"<\", \n gt: \">\", \n nbsp: \"\u00A0\", \n iexcl:
\" \u00A1\", \n cent: \"\u00A2\", \n pound: \"\u00A3\", \n curren: \"\u00A4\", \n yen: \"\u00A5\", \n brvbar:
\" \u00A6\", \n sect: \"\u00A7\", \n uml: \"\u00A8\", \n copy: \"\u00A9\", \n ordf: \"\u00AA\", \n laquo:
\" \u00AB\", \n not: \"\u00AC\", \n shy: \"\u00AD\", \n reg: \"\u00AE\", \n macr: \"\u00AF\", \n deg:
\" \u00B0\", \n plusmn: \"\u00B1\", \n sup2: \"\u00B2\", \n sup3: \"\u00B3\", \n acute: \"\u00B4\", \n micro:
\" \u00B5\", \n para: \"\u00B6\", \n middot: \"\u00B7\", \n cedil: \"\u00B8\", \n sup1: \"\u00B9\", \n ordm:
\" \u00BA\", \n raquo: \"\u00BB\", \n frac14: \"\u00BC\", \n frac12: \"\u00BD\", \n frac34: \"\u00BE\", \n iquest:
\" \u00BF\", \n Agrave: \"\u00C0\", \n Aacute: \"\u00C1\", \n Acirc: \"\u00C2\", \n Atilde: \"\u00C3\", \n Auml:
\" \u00C4\", \n Aring: \"\u00C5\", \n Aelig: \"\u00C6\", \n Ccedil: \"\u00C7\", \n Egrave: \"\u00C8\", \n Eacute:
\" \u00C9\", \n Ecirc: \"\u00CA\", \n Euml: \"\u00CB\", \n Igrave: \"\u00CC\", \n Iacute: \"\u00CD\", \n Icirc:
\" \u00CE\", \n Iuml: \"\u00CF\", \n ETH: \"\u00D0\", \n Ntilde: \"\u00D1\", \n Ograve: \"\u00D2\", \n Oacute:
\" \u00D3\", \n Ocirc: \"\u00D4\", \n Otilde: \"\u00D5\", \n Ouml: \"\u00D6\", \n times: \"\u00D7\", \n Oslash:
\" \u00D8\", \n Ugrave: \"\u00D9\", \n Uacute: \"\u00DA\", \n Ucirc: \"\u00DB\", \n Uuml: \"\u00DC\", \n
Yacute: \"\u00DD\", \n THORN: \"\u00DE\", \n szlig: \"\u00DF\", \n agrave: \"\u00E0\", \n aacute: \"\u00E1\", \n
acirc: \"\u00E2\", \n atilde: \"\u00E3\", \n auml: \"\u00E4\", \n aring: \"\u00E5\", \n aelig: \"\u00E6\", \n ccedil:
\" \u00E7\", \n egrave: \"\u00E8\", \n eacute: \"\u00E9\", \n ecirc: \"\u00EA\", \n euml: \"\u00EB\", \n igrave:
\" \u00EC\", \n iacute: \"\u00ED\", \n icirc: \"\u00EE\", \n iuml: \"\u00EF\", \n eth: \"\u00F0\", \n ntilde:
\" \u00F1\", \n ograve: \"\u00F2\", \n oacute: \"\u00F3\", \n ocirc: \"\u00F4\", \n otilde: \"\u00F5\", \n ouml:
\" \u00F6\", \n divide: \"\u00F7\", \n oslash: \"\u00F8\", \n ugrave: \"\u00F9\", \n uacute: \"\u00FA\", \n ucirc:
\" \u00FB\", \n uuml: \"\u00FC\", \n yacute: \"\u00FD\", \n thorn: \"\u00FE\", \n yuml: \"\u00FF\", \n OElig:
\" \u0152\", \n oelig: \"\u0153\", \n Scaron: \"\u0160\", \n scaron: \"\u0161\", \n Yuml: \"\u0178\", \n fnof:
\" \u0192\", \n circ: \"\u02C6\", \n tilde: \"\u02DC\", \n Alpha: \"\u0391\", \n Beta: \"\u0392\", \n Gamma:
\" \u0393\", \n Delta: \"\u0394\", \n Epsilon: \"\u0395\", \n Zeta: \"\u0396\", \n Eta: \"\u0397\", \n Theta:
\" \u0398\", \n Iota: \"\u0399\", \n Kappa: \"\u039A\", \n Lambda: \"\u039B\", \n Mu: \"\u039C\", \n Nu:
\" \u039D\", \n Xi: \"\u039E\", \n Omicron: \"\u039F\", \n Pi: \"\u03A0\", \n Rho: \"\u03A1\", \n Sigma:
\" \u03A3\", \n Tau: \"\u03A4\", \n Upsilon: \"\u03A5\", \n Phi: \"\u03A6\", \n Chi: \"\u03A7\", \n Psi:

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"\u03A8",\n Omega: "\u03A9",\n alpha: "\u03B1",\n beta: "\u03B2",\n gamma: "\u03B3",\n delta:
 "\u03B4",\n epsilon: "\u03B5",\n zeta: "\u03B6",\n eta: "\u03B7",\n theta: "\u03B8",\n iota:
 "\u03B9",\n kappa: "\u03BA",\n lambda: "\u03BB",\n mu: "\u03BC",\n nu: "\u03BD",\n xi:
 "\u03BE",\n omicron: "\u03BF",\n pi: "\u03C0",\n rho: "\u03C1",\n sigma: "\u03C2",\n sigma:
 "\u03C3",\n tau: "\u03C4",\n upsilon: "\u03C5",\n phi: "\u03C6",\n chi: "\u03C7",\n psi: "\u03C8",\n
 omega: "\u03C9",\n thetasy: "\u03D1",\n upsih: "\u03D2",\n piv: "\u03D6",\n ensp: "\u2002",\n
 emsp: "\u2003",\n thinsp: "\u2009",\n zwnj: "\u200C",\n zwj: "\u200D",\n lrm: "\u200E",\n rlm:
 "\u200F",\n ndash: "\u2013",\n mdash: "\u2014",\n lsquo: "\u2018",\n rsquo: "\u2019",\n sbquo:
 "\u201A",\n ldquo: "\u201C",\n rdquo: "\u201D",\n bdquo: "\u201E",\n dagger: "\u2020",\n Dagger:
 "\u2021",\n bull: "\u2022",\n hellip: "\u2026",\n permil: "\u2030",\n prime: "\u2032",\n Prime:
 "\u2033",\n lsaquo: "\u2039",\n rsaquo: "\u203A",\n oline: "\u203E",\n frasl: "\u2044",\n euro:
 "\u20AC",\n image: "\u2111",\n weierp: "\u2118",\n real: "\u211C",\n trade: "\u2122",\n alefsym:
 "\u2135",\n larr: "\u2190",\n uarr: "\u2191",\n rarr: "\u2192",\n darr: "\u2193",\n harr: "\u2194",\n
 crarr: "\u21B5",\n lArr: "\u21D0",\n uArr: "\u21D1",\n rArr: "\u21D2",\n dArr: "\u21D3",\n hArr:
 "\u21D4",\n forall: "\u2200",\n part: "\u2202",\n exist: "\u2203",\n empty: "\u2205",\n nabla:
 "\u2207",\n isin: "\u2208",\n notin: "\u2209",\n ni: "\u220B",\n prod: "\u220F",\n sum: "\u2211",\n
 minus: "\u2212",\n lowast: "\u2217",\n radic: "\u221A",\n prop: "\u221D",\n infin: "\u221E",\n ang:
 "\u2220",\n and: "\u2227",\n or: "\u2228",\n cap: "\u2229",\n cup: "\u222A",\n int: "\u222B",\n
 there4: "\u2234",\n sim: "\u223C",\n cong: "\u2245",\n asymp: "\u2248",\n ne: "\u2260",\n equiv:
 "\u2261",\n le: "\u2264",\n ge: "\u2265",\n sub: "\u2282",\n sup: "\u2283",\n nsub: "\u2284",\n
 sube: "\u2286",\n supe: "\u2287",\n oplus: "\u2295",\n otimes: "\u2297",\n perp: "\u22A5",\n sdot:
 "\u22C5",\n lceil: "\u2308",\n rceil: "\u2309",\n lfloor: "\u230A",\n rfloor: "\u230B",\n lang:
 "\u2329",\n rang: "\u232A",\n loz: "\u25CA",\n spades: "\u2660",\n clubs: "\u2663",\n hearts:
 "\u2665",\n diams: "\u2666"}\n};\n\nconst HEX_NUMBER = /^[da-fA-F]+\$/;\nconst DECIMAL_NUMBER =
 /^[d+\$/;\n\nconst JsxErrors = makeErrorTemplates({\n AttributeIsEmpty: "\u201cJSX attributes must only be assigned a
 non-empty expression.\u201c,\n MissingClosingTagElement: "\u201cExpected corresponding JSX closing tag for <%0>.\u201c,\n
 MissingClosingTagFragment: "\u201cExpected corresponding JSX closing tag for <>.\u201c,\n
 UnexpectedSequenceExpression: "\u201cSequence expressions cannot be directly nested inside JSX. Did you mean to
 wrap it in parentheses (...)?\u201c,\n UnsupportedJsxValue: "\u201cJSX value should be either an expression or a
 quoted JSX text.\u201c,\n UnterminatedJsxContent: "\u201cUnterminated JSX contents.\u201c,\n UnwrappedAdjacentJSXElements:
 "\u201cAdjacent JSX elements must be wrapped in an enclosing tag. Did you want a JSX fragment <>...</>?\u201c}\n});\n\n
 ErrorCodes.SyntaxError);\n\nntypes.j_oTag = new TokContext("\u201c<tag\u201c, false);\nntypes.j_cTag = new
 TokContext("\u201c/>tag\u201c, false);\nntypes.j_expr = new TokContext("\u201c<tag>...</tag>\u201c, true, true);\nntypes.\$1.jsxName =
 new TokenType("\u201cjsxName\u201c);\nntypes.\$1.jsxText = new TokenType("\u201cjsxText\u201c, {\n beforeExpr:
 true\n});\nntypes.\$1.jsxTagStart = new TokenType("\u201cjsxTagStart\u201c, {\n startsExpr: true\n});\nntypes.\$1.jsxTagEnd =
 new TokenType("\u201cjsxTagEnd\u201c);\nntypes.\$1.jsxTagStart.updateContext = function () {\n
 this.state.context.push(types.j_expr);\n this.state.context.push(types.j_oTag);\n this.state.exprAllowed =
 false;\n};\nntypes.\$1.jsxTagEnd.updateContext = function (prevType) {\n const out = this.state.context.pop();\n
 if (out === types.j_oTag && prevType === types.\$1.slash || out === types.j_cTag) {\n this.state.context.pop();\n
 this.state.exprAllowed = this.curContext() === types.j_expr;\n } else {\n this.state.exprAllowed = true;\n
 }\n};\n\nfunction isFragment(object) {\n return object ? object.type === "\u201cJSXOpeningFragment\u201c || object.type
 === "\u201cJSXClosingFragment\u201c : false;\n}\n\nfunction getQualifiedJSXName(object) {\n if (object.type ===
 "\u201cJSXIdentifier\u201c) {\n return object.name;\n }\n\n if (object.type === "\u201cJSXNamespacedName\u201c) {\n
 return object.namespace.name + \u201c:\u201c + object.name.name;\n }\n\n if (object.type === "\u201cJSXMemberExpression\u201c) {\n
 return getQualifiedJSXName(object.object) + \u201c.\u201c + getQualifiedJSXName(object.property);\n }\n\n throw new
 Error("\u201cNode had unexpected type: \u201c + object.type);\n}\n\nvar jsx = (superClass => class extends superClass {\n
 jsxReadToken() {\n let out = \u201c\u201c;\n let chunkStart = this.state.pos;\n\n for (;) {\n if (this.state.pos >=
 this.length) {\n throw this.raise(this.state.start, JsxErrors.UnterminatedJsxContent);\n }\n\n const ch =

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this.input.charCodeAtAt(this.state.pos);\n\n switch (ch) {\n case 60:\n case 123:\n if (this.state.pos
=== this.state.start) {\n if (ch === 60 && this.state.exprAllowed) {\n ++this.state.pos;\n
return this.finishToken(types$1.jsxTagStart);\n }\n\n return super.getTokenFromCode(ch);\n
}\n\n out += this.input.slice(chunkStart, this.state.pos);\n return this.finishToken(types$1.jsxText,
out);\n\n case 38:\n out += this.input.slice(chunkStart, this.state.pos);\n out +=
this.jsxReadEntity();\n chunkStart = this.state.pos;\n break;\n\n case 62:\n case 125:\n\n
default:\n if (isNewLine(ch)) {\n out += this.input.slice(chunkStart, this.state.pos);\n out +=
this.jsxReadNewLine(true);\n chunkStart = this.state.pos;\n } else {\n ++this.state.pos;\n
}\n\n }\n }\n }\n\n jsxReadNewLine(normalizeCRLF) {\n const ch = this.input.charCodeAtAt(this.state.pos);\n
let out;\n ++this.state.pos;\n\n if (ch === 13 && this.input.charCodeAtAt(this.state.pos) === 10) {\n
++this.state.pos;\n out = normalizeCRLF ? "\\n" : "\\r\\n";\n } else {\n out = String.fromCharCode(ch);\n
}\n\n ++this.state.curLine;\n this.state.lineStart = this.state.pos;\n return out;\n }\n\n jsxReadString(quote) {\n
let out = \"\";\n let chunkStart = ++this.state.pos;\n\n for (;;) {\n if (this.state.pos >= this.length) {\n
throw this.raise(this.state.start, ErrorMessages.UnterminatedString);\n }\n\n const ch =
this.input.charCodeAtAt(this.state.pos);\n if (ch === quote) break;\n\n if (ch === 38) {\n out +=
this.input.slice(chunkStart, this.state.pos);\n out += this.jsxReadEntity();\n chunkStart = this.state.pos;\n
} else if (isNewLine(ch)) {\n out += this.input.slice(chunkStart, this.state.pos);\n out +=
this.jsxReadNewLine(false);\n chunkStart = this.state.pos;\n } else {\n ++this.state.pos;\n }\n }\n\n
out += this.input.slice(chunkStart, this.state.pos++);\n return this.finishToken(types$1.string, out);\n }\n\n
jsxReadEntity() {\n let str = \"\";\n let count = 0;\n let entity;\n let ch = this.input[this.state.pos];\n const
startPos = ++this.state.pos;\n\n while (this.state.pos < this.length && count++ < 10) {\n ch =
this.input[this.state.pos++];\n\n if (ch === \"'\") {\n if (str[0] === \"#\") {\n if (str[1] === \"x\") {\n
str = str.substr(2);\n\n if (HEX_NUMBER.test(str)) {\n entity = String.fromCodePoint(parseInt(str,
16));\n }\n } else {\n str = str.substr(1);\n\n if (DECIMAL_NUMBER.test(str)) {\n
entity = String.fromCodePoint(parseInt(str, 10));\n }\n }\n } else {\n entity = entities[str];\n
}\n\n break;\n }\n\n str += ch;\n }\n\n if (!entity) {\n this.state.pos = startPos;\n return \"&\";\n
}\n\n return entity;\n }\n\n jsxReadWord() {\n let ch;\n const start = this.state.pos;\n\n do {\n ch =
this.input.charCodeAtAt(++this.state.pos);\n } while (isIdentifierChar(ch) || ch === 45);\n\n return
this.finishToken(types$1.jsxName, this.input.slice(start, this.state.pos));\n }\n\n jsxParseIdentifier() {\n const
node = this.startNode();\n\n if (this.match(types$1.jsxName)) {\n node.name = this.state.value;\n } else if
(this.state.type.keyword) {\n node.name = this.state.type.keyword;\n } else {\n this.unexpected();\n }\n\n
this.next();\n return this.finishNode(node, \"JSXIdentifier\");\n }\n\n jsxParseNamespacedName() {\n const
startPos = this.state.start;\n const startLoc = this.state.startLoc;\n const name = this.jsxParseIdentifier();\n if
(!this.eat(types$1.colon)) return name;\n const node = this.startNodeAt(startPos, startLoc);\n node.namespace =
name;\n node.name = this.jsxParseIdentifier();\n return this.finishNode(node, \"JSXNamespacedName\");\n
}\n\n jsxParseElementName() {\n const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n let
node = this.jsxParseNamespacedName();\n\n if (node.type === \"JSXNamespacedName\") {\n return node;\n
}\n\n while (this.eat(types$1.dot)) {\n const newNode = this.startNodeAt(startPos, startLoc);\n
newNode.object = node;\n newNode.property = this.jsxParseIdentifier();\n node = this.finishNode(newNode,
\"JSXMemberExpression\");\n }\n\n return node;\n }\n\n jsxParseAttributeValue() {\n let node;\n\n switch
(this.state.type) {\n case types$1.braceL:\n node = this.startNode();\n this.next();\n node =
this.jsxParseExpressionContainer(node);\n\n if (node.expression.type === \"JSXEmptyExpression\") {\n
this.raise(node.start, JsxErrors.AttributeIsEmpty);\n }\n\n return node;\n\n case types$1.jsxTagStart:\n
case types$1.string:\n return this.parseExprAtom();\n\n default:\n throw this.raise(this.state.start,
JsxErrors.UnsupportedJsxValue);\n }\n }\n\n jsxParseEmptyExpression() {\n const node =
this.startNodeAt(this.state.lastTokEnd, this.state.lastTokEndLoc);\n return this.finishNodeAt(node,
\"JSXEmptyExpression\", this.state.start, this.state.startLoc);\n }\n\n jsxParseSpreadChild(node) {\n this.next();\n
node.expression = this.parseExpression();\n this.expect(types$1.braceR);\n return this.finishNode(node,

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\JSXSpreadChild\");\n }\n\n jsxParseExpressionContainer(node) {\n if (this.match(types$1.braceR)) {\n
node.expression = this.jsxParseEmptyExpression();\n } else {\n const expression = this.parseExpression();\n
node.expression = expression;\n }\n\n this.expect(types$1.braceR);\n return this.finishNode(node,
\JSXExpressionContainer\");\n }\n\n jsxParseAttribute() {\n const node = this.startNode();\n\n if
(this.eat(types$1.braceL)) {\n this.expect(types$1.ellipsis);\n node.argument =
this.parseMaybeAssignAllowIn();\n this.expect(types$1.braceR);\n return this.finishNode(node,
\JSXSpreadAttribute\");\n }\n\n node.name = this.jsxParseNamespacedName();\n node.value =
this.eat(types$1.eq) ? this.jsxParseAttributeValue() : null;\n return this.finishNode(node, \JSXAttribute\");\n
}\n\n jsxParseOpeningElementAt(startPos, startLoc) {\n const node = this.startNodeAt(startPos, startLoc);\n\n if
(this.match(types$1.jsxTagEnd)) {\n this.expect(types$1.jsxTagEnd);\n return this.finishNode(node,
\JSXOpeningFragment\");\n }\n\n node.name = this.jsxParseElementName();\n return
this.jsxParseOpeningElementAfterName(node);\n }\n\n jsxParseOpeningElementAfterName(node) {\n const
attributes = [];\n\n while (!this.match(types$1.slash) && !this.match(types$1.jsxTagEnd)) {\n
attributes.push(this.jsxParseAttribute());\n }\n\n node.attributes = attributes;\n node.selfClosing =
this.eat(types$1.slash);\n this.expect(types$1.jsxTagEnd);\n return this.finishNode(node,
\JSXOpeningElement\");\n }\n\n jsxParseClosingElementAt(startPos, startLoc) {\n const node =
this.startNodeAt(startPos, startLoc);\n\n if (this.match(types$1.jsxTagEnd)) {\n
this.expect(types$1.jsxTagEnd);\n return this.finishNode(node, \JSXClosingFragment\");\n }\n\n node.name
= this.jsxParseElementName();\n this.expect(types$1.jsxTagEnd);\n return this.finishNode(node,
\JSXClosingElement\");\n }\n\n jsxParseElementAt(startPos, startLoc) {\n const node =
this.startNodeAt(startPos, startLoc);\n const children = [];\n const openingElement =
this.jsxParseOpeningElementAt(startPos, startLoc);\n let closingElement = null;\n\n if
(!openingElement.selfClosing) {\n contents: for (;) {\n switch (this.state.type) {\n case
types$1.jsxTagStart:\n startPos = this.state.start;\n startLoc = this.state.startLoc;\n
this.next();\n\n if (this.eat(types$1.slash)) {\n closingElement =
this.jsxParseClosingElementAt(startPos, startLoc);\n break contents;\n }\n\n
children.push(this.jsxParseElementAt(startPos, startLoc));\n break;\n\n case types$1.jsxText:\n
children.push(this.parseExprAtom());\n break;\n\n case types$1.braceL:\n {\n const node
= this.startNode();\n this.next();\n\n if (this.match(types$1.ellipsis)) {\n
children.push(this.jsxParseSpreadChild(node));\n } else {\n
children.push(this.jsxParseExpressionContainer(node));\n }\n\n break;\n }\n\n
default:\n throw this.unexpected();\n }\n }\n\n if (isFragment(openingElement) &&
!isFragment(closingElement)) {\n this.raise(closingElement.start, JsxErrors.MissingClosingTagFragment);\n
} else if (!isFragment(openingElement) && isFragment(closingElement)) {\n this.raise(closingElement.start,
JsxErrors.MissingClosingTagElement, getQualifiedJSXName(openingElement.name));\n } else if
(!isFragment(openingElement) && !isFragment(closingElement)) {\n if
(getQualifiedJSXName(closingElement.name) !== getQualifiedJSXName(openingElement.name)) {\n
this.raise(closingElement.start, JsxErrors.MissingClosingTagElement,
getQualifiedJSXName(openingElement.name));\n }\n }\n }\n\n if (isFragment(openingElement)) {\n
node.openingFragment = openingElement;\n node.closingFragment = closingElement;\n } else {\n
node.openingElement = openingElement;\n node.closingElement = closingElement;\n }\n\n node.children =
children;\n\n if (this.isRelational("<")) {\n throw this.raise(this.state.start,
JsxErrors.UnwrappedAdjacentJSXElements);\n }\n\n return isFragment(openingElement) ?
this.finishNode(node, \JSXFragment") : this.finishNode(node, \JSXElement\");\n }\n\n jsxParseElement() {\n
const startPos = this.state.start;\n const startLoc = this.state.startLoc;\n this.next();\n return
this.jsxParseElementAt(startPos, startLoc);\n }\n\n parseExprAtom(refExpressionErrors) {\n if
(this.match(types$1.jsxText)) {\n return this.parseLiteral(this.state.value, \JSXText\");\n } else if
(this.match(types$1.jsxTagStart)) {\n return this.jsxParseElement();\n } else if (this.isRelational("<")) &&

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AccesorCannotDeclareThisParameter: \\'get' and 'set' accessors cannot declare 'this' parameters.\',\n
 AccesorCannotHaveTypeParameters: \\'An accessor cannot have type parameters.\',\n
 ClassMethodHasDeclare: \\'Class methods cannot have the 'declare' modifier.\',\n
 ClassMethodHasReadOnly: \\'Class methods cannot have the 'readonly' modifier.\',\n
 ConstructorHasTypeParameters: \\'Type parameters cannot appear on a constructor declaration.\',\n
 DeclareAccessor: \\'declare' is not allowed in %0ters.\',\n
 DeclareClassFieldHasInitializer: \\'Initializers are not allowed in ambient contexts.\',\n
 DeclareFunctionHasImplementation: \\'An implementation cannot be declared in ambient contexts.\',\n
 DuplicateAccessibilityModifier: \\'Accessibility modifier already seen.\',\n
 DuplicateModifier: \\'Duplicate modifier: '%0'.\',\n
 EmptyHeritageClauseType: \\'"%0' list cannot be empty.\',\n
 EmptyTypeArguments: \\'Type argument list cannot be empty.\',\n
 EmptyTypeParameters: \\'Type parameter list cannot be empty.\',\n
 ExpectedAmbientAfterExportDeclare: \\'export declare' must be followed by an ambient declaration.\',\n
 ImportAliasHasImportType: \\'An import alias can not use 'import type'.\',\n
 IncompatibleModifiers: \\'"%0' modifier cannot be used with '%1' modifier.\',\n
 IndexSignatureHasAbstract: \\'Index signatures cannot have the 'abstract' modifier.\',\n
 IndexSignatureHasAccessibility: \\'Index signatures cannot have an accessibility modifier (%0).\',\n
 IndexSignatureHasDeclare: \\'Index signatures cannot have the 'declare' modifier.\',\n
 IndexSignatureHasOverride: \\'override' modifier cannot appear on an index signature.\',\n
 IndexSignatureHasStatic: \\'Index signatures cannot have the 'static' modifier.\',\n
 InvalidModifierOnTypeMember: \\'"%0' modifier cannot appear on a type member.\',\n
 InvalidModifiersOrder: \\'"%0' modifier must precede '%1' modifier.\',\n
 InvalidTupleMemberLabel: \\'Tuple members must be labeled with a simple identifier.\',\n
 MixedLabeledAndUnlabeledElements: \\'Tuple members must all have names or all not have names.\',\n
 NonAbstractClassHasAbstractMethod: \\'Abstract methods can only appear within an abstract class.\',\n
 NonClassMethodPropertyHasAbstractModifier: \\'abstract' modifier can only appear on a class, method, or property declaration.\',\n
 OptionalTypeBeforeRequired: \\'A required element cannot follow an optional element.\',\n
 OverrideNotInSubClass: \\'This member cannot have an 'override' modifier because its containing class does not extend another class.\',\n
 PatternIsOptional: \\'A binding pattern parameter cannot be optional in an implementation signature.\',\n
 PrivateElementHasAbstract: \\'Private elements cannot have the 'abstract' modifier.\',\n
 PrivateElementHasAccessibility: \\'Private elements cannot have an accessibility modifier (%0).\',\n
 ReadonlyForMethodSignature: \\'readonly' modifier can only appear on a property declaration or index signature.\',\n
 SetAccesorCannotHaveOptionalParameter: \\'A 'set' accessor cannot have an optional parameter.\',\n
 SetAccesorCannotHaveRestParameter: \\'A 'set' accessor cannot have rest parameter.\',\n
 SetAccesorCannotHaveReturnType: \\'A 'set' accessor cannot have a return type annotation.\',\n
 StaticBlockCannotHaveModifier: \\'Static class blocks cannot have any modifier.\',\n
 TypeAnnotationAfterAssign: \\'Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`.\',\n
 TypeImportCannotSpecifyDefaultAndNamed: \\'A type-only import can specify a default import or named bindings, but not both.\',\n
 UnexpectedParameterModifier: \\'A parameter property is only allowed in a constructor implementation.\',\n
 UnexpectedReadOnly: \\'readonly' type modifier is only permitted on array and tuple literal types.\',\n
 UnexpectedTypeAnnotation: \\'Did not expect a type annotation here.\',\n
 UnexpectedTypeCastInParameter: \\'Unexpected type cast in parameter position.\',\n
 UnsupportedImportTypeArgument: \\'Argument in a type import must be a string literal.\',\n
 UnsupportedParameterPropertyKind: \\'A parameter property may not be declared using a binding pattern.\',\n
 UnsupportedSignatureParameterKind: \\'Name in a signature must be an Identifier, ObjectPattern or ArrayPattern, instead got %0.\',\n
 ErrorCodes.SyntaxError;\n\nfunction keywordTypeFromName(value) {\n switch (value) {\n case \"any\":\n return \"TSAnyKeyword\";\n\n case \"boolean\":\n return \"TSBooleanKeyword\";\n\n case \"bigint\":\n return \"TSBigIntKeyword\";\n\n case \"never\":\n return \"TSNeverKeyword\";\n\n case \"number\":\n return \"TSNumberKeyword\";\n\n case \"object\":\n return \"TSObjectKeyword\";\n\n case \"string\":\n return \"TSStringKeyword\";\n\n case \"symbol\":\n return \"TSSymbolKeyword\";\n\n case \"undefined\":\n return \"TSUndefinedKeyword\";\n\n case \"unknown\":\n return \"TSUnknownKeyword\";\n\n default:\n return undefined;\n }\n}\n\nfunction tsIsAccessModifier(modifier) {\n return modifier === \"private\" || modifier === \"public\" || modifier === \"protected\";\n}\n\nvar typescript =

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(superClass => class extends superClass {\n  getScopeHandler() {\n    return TypeScriptScopeHandler;\n  }\n\n  tsIsIdentifier() {\n    return this.match(types$1.name);\n  }\n\n  tsTokenCanFollowModifier() {\n    return (this.match(types$1.bracketL) || this.match(types$1.braceL) || this.match(types$1.star) || this.match(types$1.ellipsis) || this.match(types$1.privateName) || this.isLiteralPropertyName()) && !this.hasPrecedingLineBreak();\n  }\n\n  tsNextTokenCanFollowModifier() {\n    this.next();\n    return this.tsTokenCanFollowModifier();\n  }\n\n  tsParseModifier(allowedModifiers) {\n    if (!this.match(types$1.name)) {\n      return undefined;\n    }\n\n    const modifier = this.state.value;\n\n    if (allowedModifiers.indexOf(modifier) !== -1 && this.tsTryParse(this.tsNextTokenCanFollowModifier.bind(this))) {\n      return modifier;\n    }\n\n    return undefined;\n  }\n\n  tsParseModifiers(modified, allowedModifiers, disallowedModifiers, errorTemplate) {\n    const enforceOrder = (pos, modifier, before, after) => {\n      if (modifier === before && modified[after]) {\n        this.raise(pos, TSErrors.InvalidModifiersOrder, before, after);\n      }\n    };\n\n    const incompatible = (pos, modifier, mod1, mod2) => {\n      if (modified[mod1] && modifier === mod2 || modified[mod2] && modifier === mod1) {\n        this.raise(pos, TSErrors.IncompatibleModifiers, mod1, mod2);\n      }\n    };\n\n    for (;;) {\n      const startPos = this.state.start;\n      const modifier = this.tsParseModifier(allowedModifiers.concat(disallowedModifiers !== null ? disallowedModifiers : []));\n      if (!modifier) break;\n      if (tsIsAccessModifier(modifier)) {\n        if (modified.accessibility) {\n          this.raise(startPos, TSErrors.DuplicateAccessibilityModifier);\n        } else {\n          enforceOrder(startPos, modifier, modifier, \"override\");\n          enforceOrder(startPos, modifier, modifier, \"static\");\n          modified.accessibility = modifier;\n        }\n      } else {\n        if (Object.hasOwnProperty.call(modified, modifier)) {\n          this.raise(startPos, TSErrors.DuplicateModifier, modifier);\n        } else {\n          enforceOrder(startPos, modifier, \"static\", \"readonly\");\n          enforceOrder(startPos, modifier, \"static\", \"override\");\n          enforceOrder(startPos, modifier, \"override\", \"readonly\");\n          enforceOrder(startPos, modifier, \"abstract\", \"override\");\n          incompatible(startPos, modifier, \"declare\", \"override\");\n          incompatible(startPos, modifier, \"static\", \"abstract\");\n        }\n        modified[modifier] = true;\n      }\n\n      if (disallowedModifiers !== null && disallowedModifiers.includes(modifier)) {\n        this.raise(startPos, errorTemplate, modifier);\n      }\n    }\n  }\n\n  tsIsListTerminator(kind) {\n    switch (kind) {\n      case \"EnumMembers\":\n      case \"TypeMembers\":\n        return this.match(types$1.braceR);\n      case \"HeritageClauseElement\":\n        return this.match(types$1.braceL);\n      case \"TupleElementTypes\":\n        return this.match(types$1.bracketR);\n      case \"TypeParametersOrArguments\":\n        return this.isRelational(\">\");\n    }\n\n    throw new Error(\"Unreachable\");\n  }\n\n  tsParseList(kind, parseElement) {\n    const result = [];\n\n    while (!this.tsIsListTerminator(kind)) {\n      result.push(parseElement());\n    }\n\n    return result;\n  }\n\n  tsParseDelimitedList(kind, parseElement) {\n    return nonNull(this.tsParseDelimitedListWorker(kind, parseElement, true));\n  }\n\n  tsParseDelimitedListWorker(kind, parseElement, expectSuccess) {\n    const result = [];\n\n    for (;;) {\n      if (this.tsIsListTerminator(kind)) {\n        break;\n      }\n\n      const element = parseElement();\n\n      if (element === null) {\n        return undefined;\n      }\n\n      result.push(element);\n\n      if (this.eat(types$1.comma)) {\n        continue;\n      }\n\n      if (this.tsIsListTerminator(kind)) {\n        break;\n      }\n\n      if (expectSuccess) {\n        this.expect(types$1.comma);\n      }\n\n      return undefined;\n    }\n\n    return result;\n  }\n\n  tsParseBracketedList(kind, parseElement, bracket, skipFirstToken) {\n    if (!skipFirstToken) {\n      if (bracket) {\n        this.expect(types$1.bracketL);\n      } else {\n        this.expectRelational("<");\n      }\n    }\n\n    const result = this.tsParseDelimitedList(kind, parseElement);\n\n    if (bracket) {\n      this.expect(types$1.bracketR);\n    } else {\n      this.expectRelational(">");\n    }\n\n    return result;\n  }\n\n  tsParseImportType() {\n    const node = this.startNode();\n    this.expect(types$1._import);\n    this.expect(types$1.parenL);\n\n    if (!this.match(types$1.string)) {\n      this.raise(this.state.start, TSErrors.UnsupportedImportTypeArgument);\n    }\n\n    node.argument = this.parseExprAtom();\n    this.expect(types$1.parenR);\n\n    if (this.eat(types$1.dot)) {\n      node.qualifier = this.tsParseEntityName(true);\n    }\n\n    if (this.isRelational("<")) {\n      node.typeParameters = this.tsParseTypeArguments();\n    }\n\n    return this.finishNode(node, \"TSImportType\");\n  }\n\n  tsParseEntityName(allowReservedWords) {\n    let entity = this.parseIdentifier();\n\n    while (this.eat(types$1.dot)) {\n      const node = this.startNodeAtNode(entity);\n

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node.left = entity;\n    node.right = this.parseIdentifier(allowReservedWords);\n    entity = this.finishNode(node,\n    \"TSQualifiedName\");\n    }\n\n    return entity;\n    }\n\n    tsParseTypeReference() {\n    const node =\n    this.startNode();\n    node.typeName = this.tsParseEntityName(false);\n\n    if (!this.hasPrecedingLineBreak() &&\n    this.isRelational("<")) {\n    node.typeParameters = this.tsParseTypeArguments();\n    }\n\n    return\n    this.finishNode(node, \"TSTypeReference\");\n    }\n\n    tsParseThisTypePredicate(lhs) {\n    this.next();\n    const\n    node = this.startNodeAtNode(lhs);\n    node.parameterName = lhs;\n    node.typeAnnotation =\n    this.tsParseTypeAnnotation(false);\n    node.asserts = false;\n    return this.finishNode(node,\n    \"TSTypePredicate\");\n    }\n\n    tsParseThisTypeNode() {\n    const node = this.startNode();\n    this.next();\n    return this.finishNode(node, \"TSThisType\");\n    }\n\n    tsParseTypeQuery() {\n    const node = this.startNode();\n    this.expect(types$1._typeof);\n\n    if (this.match(types$1._import)) {\n    node.exprName =\n    this.tsParseImportType();\n    } else {\n    node.exprName = this.tsParseEntityName(true);\n    }\n\n    return\n    this.finishNode(node, \"TSTypeQuery\");\n    }\n\n    tsParseTypeParameter() {\n    const node = this.startNode();\n    node.name = this.parseIdentifierName(node.start);\n    node.constraint =\n    this.tsEatThenParseType(types$1._extends);\n    node.default = this.tsEatThenParseType(types$1.eq);\n    return\n    this.finishNode(node, \"TSTypeParameter\");\n    }\n\n    tsTryParseTypeParameters() {\n    if (this.isRelational("<"))\n    {\n    return this.tsParseTypeParameters();\n    }\n\n    }\n\n    tsParseTypeParameters() {\n    const node =\n    this.startNode();\n\n    if (this.isRelational("<") || this.match(types$1.jsxTagStart)) {\n    this.next();\n    } else {\n    this.unexpected();\n    }\n\n    node.params = this.tsParseBracketedList(\"TypeParametersOrArguments\",\n    this.tsParseTypeParameter.bind(this), false, true);\n\n    if (node.params.length === 0) {\n    this.raise(node.start,\n    TSErrors.EmptyTypeParameters);\n    }\n\n    return this.finishNode(node, \"TSTypeParameterDeclaration\");\n    }\n\n    tsTryNextParseConstantContext() {\n    if (this.lookahead().type === types$1._const) {\n    this.next();\n    }\n\n    return this.tsParseTypeReference();\n    }\n\n    }\n\n    return null;\n    }\n\n    tsFillSignature(returnToken, signature) {\n    const returnTokenRequired = returnToken === types$1.arrow;\n    signature.typeParameters =\n    this.tsTryParseTypeParameters();\n    this.expect(types$1.parenL);\n    signature.parameters =\n    this.tsParseBindingListForSignature();\n\n    if (returnTokenRequired) {\n    signature.typeAnnotation =\n    this.tsParseTypeOrTypePredicateAnnotation(returnToken);\n    } else if (this.match(returnToken)) {\n    signature.typeAnnotation = this.tsParseTypeOrTypePredicateAnnotation(returnToken);\n    }\n    }\n\n    tsParseBindingListForSignature() {\n    return this.parseBindingList(types$1.parenR, 41).map(pattern => {\n    if\n    (pattern.type !== \"Identifier\" && pattern.type !== \"RestElement\" && pattern.type !== \"ObjectPattern\" &&\n    pattern.type !== \"ArrayPattern\") {\n    this.raise(pattern.start, TSErrors.UnsupportedSignatureParameterKind,\n    pattern.type);\n    }\n\n    return pattern;\n    });\n    }\n\n    tsParseTypeMemberSemicolon() {\n    if\n    (!this.eat(types$1.comma) && !this.isLineTerminator()) {\n    this.expect(types$1.semi);\n    }\n    }\n\n    }\n\n    tsParseSignatureMember(kind, node) {\n    this.tsFillSignature(types$1.colon, node);\n    this.tsParseTypeMemberSemicolon();\n    return this.finishNode(node, kind);\n    }\n\n    tsIsUnambiguouslyIndexSignature() {\n    this.next();\n    return this.eat(types$1.name) &&\n    this.match(types$1.colon);\n    }\n\n    tsTryParseIndexSignature(node) {\n    if (!(this.match(types$1.bracketL) &&\n    this.tsLookAhead(this.tsIsUnambiguouslyIndexSignature.bind(this)))) {\n    return undefined;\n    }\n\n    this.expect(types$1.bracketL);\n    const id = this.parseIdentifier();\n    id.typeAnnotation =\n    this.tsParseTypeAnnotation();\n    this.resetEndLocation(id);\n    this.expect(types$1.bracketR);\n    node.parameters\n    = [id];\n    const type = this.tsTryParseTypeAnnotation();\n    if (type) node.typeAnnotation = type;\n    this.tsParseTypeMemberSemicolon();\n    return this.finishNode(node, \"TSIndexSignature\");\n    }\n\n    tsParsePropertyOrMethodSignature(node, readonly) {\n    if (this.eat(types$1.question)) node.optional = true;\n    const nodeAny = node;\n\n    if (this.match(types$1.parenL) || this.isRelational("<")) {\n    if (readonly) {\n    this.raise(node.start, TSErrors.ReadonlyForMethodSignature);\n    }\n\n    const method = nodeAny;\n\n    if\n    (method.kind && this.isRelational("<")) {\n    this.raise(this.state.pos,\n    TSErrors.AccessorCannotHaveTypeParameters);\n    }\n\n    this.tsFillSignature(types$1.colon, method);\n    this.tsParseTypeMemberSemicolon();\n\n    if (method.kind === \"get\") {\n    if (method.parameters.length > 0)\n    {\n    this.raise(this.state.pos, ErrorMessages.BadGetterArity);\n    }\n    if

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(this.isThisParam(method.parameters[0])) {\n      this.raise(this.state.pos,
TSErrors.AccesorCannotDeclareThisParameter);\n    }\n  } else if (method.kind === \"set\") {\n
if (method.parameters.length !== 1) {\n      this.raise(this.state.pos, ErrorMessages.BadSetterArity);\n    } else
{\n      const firstParameter = method.parameters[0];\n      if (this.isThisParam(firstParameter)) {\n
this.raise(this.state.pos, TSErrors.AccesorCannotDeclareThisParameter);\n      }\n      if (firstParameter.type
=== \"Identifier\" && firstParameter.optional) {\n        this.raise(this.state.pos,
TSErrors.SetAccesorCannotHaveOptionalParameter);\n      }\n      if (firstParameter.type ===
\"RestElement\") {\n        this.raise(this.state.pos, TSErrors.SetAccesorCannotHaveRestParameter);\n      }\n
}\n      if (method.typeAnnotation) {\n        this.raise(method.typeAnnotation.start,
TSErrors.SetAccesorCannotHaveReturnType);\n      }\n    } else {\n      method.kind = \"method\";\n    }\n  }\n
return this.finishNode(method, \"TSMMethodSignature\");\n } else {\n   const property = nodeAny;\n   if
(readonly) property.readonly = true;\n   const type = this.tsTryParseTypeAnnotation();\n   if (type)
property.typeAnnotation = type;\n   this.tsParseTypeMemberSemicolon();\n   return this.finishNode(property,
\"TSPropertySignature\");\n }\n }\n\n tsParseTypeMember() {\n   const node = this.startNode();\n   if
(this.match(types$1.parenL) || this.isRelational(\"<\")) {\n     return
this.tsParseSignatureMember(\"TSCallSignatureDeclaration\", node);\n   }\n   if (this.match(types$1._new)) {\n
const id = this.startNode();\n     this.next();\n     if (this.match(types$1.parenL) || this.isRelational(\"<\")) {\n
return this.tsParseSignatureMember(\"TSConstructSignatureDeclaration\", node);\n     } else {\n       node.key =
this.createIdentifier(id, \"new\");\n       return this.tsParsePropertyOrMethodSignature(node, false);\n     }\n   }\n
this.tsParseModifiers(node, [\"readonly\"], [\"declare\", \"abstract\", \"private\", \"protected\", \"public\", \"static\",
\"override\"], TSErrors.InvalidModifierOnTypeMember);\n   const idx = this.tsTryParseIndexSignature(node);\n   if
(idx) {\n     return idx;\n   }\n   this.parsePropertyName(node, false);\n   if (!node.computed &&
node.key.type === \"Identifier\" && (node.key.name === \"get\" || node.key.name === \"set\") &&
this.tsTokenCanFollowModifier()) {\n     node.kind = node.key.name;\n     this.parsePropertyName(node, false);\n
}\n   return this.tsParsePropertyOrMethodSignature(node, !!node.readonly);\n }\n\n tsParseTypeLiteral() {\n
const node = this.startNode();\n   node.members = this.tsParseObjectTypeMembers();\n   return
this.finishNode(node, \"TSTypeLiteral\");\n }\n\n tsParseObjectTypeMembers() {\n
this.expect(types$1.braceL);\n   const members = this.tsParseList(\"TypeMembers\",
this.tsParseTypeMember.bind(this));\n   this.expect(types$1.braceR);\n   return members;\n }\n\n
tsIsStartOfMappedType() {\n   this.next();\n   if (this.eat(types$1.plusMin)) {\n     return
this.isContextual(\"readonly\");\n   }\n   if (this.isContextual(\"readonly\")) {\n     this.next();\n   }\n   if
(!this.match(types$1.bracketL)) {\n     return false;\n   }\n   this.next();\n   if (!this.tsIsIdentifier()) {\n
return false;\n   }\n   this.next();\n   return this.match(types$1._in);\n }\n\n tsParseMappedTypeParameter() {\n
const node = this.startNode();\n   node.name = this.parseIdentifierName(node.start);\n   node.constraint =
this.tsExpectThenParseType(types$1._in);\n   return this.finishNode(node, \"TSTypeParameter\");\n }\n\n
tsParseMappedType() {\n   const node = this.startNode();\n   this.expect(types$1.braceL);\n   if
(this.match(types$1.plusMin)) {\n     node.readonly = this.state.value;\n     this.next();\n
this.expectContextual(\"readonly\");\n   } else if (this.eatContextual(\"readonly\")) {\n     node.readonly = true;\n
}\n   this.expect(types$1.bracketL);\n   node.typeParameter = this.tsParseMappedTypeParameter();\n
node.nameType = this.eatContextual(\"as\") ? this.tsParseType() : null;\n   this.expect(types$1.bracketR);\n   if
(this.match(types$1.plusMin)) {\n     node.optional = this.state.value;\n     this.next();\n
this.expect(types$1.question);\n   } else if (this.eat(types$1.question)) {\n     node.optional = true;\n   }\n
node.typeAnnotation = this.tsTryParseType();\n   this.semicolon();\n   this.expect(types$1.braceR);\n   return
this.finishNode(node, \"TSMappedType\");\n }\n\n tsParseTupleType() {\n   const node = this.startNode();\n
node.elementTypes = this.tsParseBracketedList(\"TupleElementTypes\", this.tsParseTupleElementType.bind(this),
true, false);\n   let seenOptionalElement = false;\n   let labeledElements = null;\n
node.elementTypes.forEach(elementNode => {\n     var _labeledElements;\n     let {\n       type\n     } =
elementNode;\n     if (seenOptionalElement && type !== \"TSRestType\" && type !== \"TSOptionalType\" &&

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!(type === \"TSNamedTupleMember\" && elementNode.optional)) {\n    this.raise(elementNode.start,
TSErrors.OptionalTypeBeforeRequired);\n    }\n\n    seenOptionalElement = seenOptionalElement || type ===
\"TSNamedTupleMember\" && elementNode.optional || type === \"TSOptionalType\";\n\n    if (type ===
\"TSRestType\") {\n        elementNode = elementNode.typeAnnotation;\n        type = elementNode.type;\n    }\n\n    const isLabeled = type === \"TSNamedTupleMember\";\n    labeledElements = (_labeledElements =
labeledElements) != null ? _labeledElements : isLabeled;\n    if (labeledElements !== isLabeled) {\n
this.raise(elementNode.start, TSErrors.MixedLabeledAndUnlabeledElements);\n    }\n    });\n    return
this.finishNode(node, \"TSTupleType\");\n    }\n\n    tsParseTupleElementType() {\n    const {\n        start: startPos,\n        startLoc\n    } = this.state;\n    const rest = this.eat(types$1.ellipsis);\n    let type = this.tsParseType();\n    const
optional = this.eat(types$1.question);\n    const labeled = this.eat(types$1.colon);\n\n    if (labeled) {\n    const
labeledNode = this.startNodeAtNode(type);\n    labeledNode.optional = optional;\n\n    if (type.type ===
\"TSTypeReference\" && !type.typeParameters && type.typeName.type === \"Identifier\") {\n
labeledNode.label = type.typeName;\n    } else {\n        this.raise(type.start,
TSErrors.InvalidTupleMemberLabel);\n        labeledNode.label = type;\n    }\n\n    labeledNode.elementType =
this.tsParseType();\n    type = this.finishNode(labeledNode, \"TSNamedTupleMember\");\n    } else if (optional)
{\n    const optionalTypeNode = this.startNodeAtNode(type);\n    optionalTypeNode.typeAnnotation = type;\n
type = this.finishNode(optionalTypeNode, \"TSOptionalType\");\n    }\n\n    if (rest) {\n    const restNode =
this.startNodeAt(startPos, startLoc);\n    restNode.typeAnnotation = type;\n    type = this.finishNode(restNode,
\"TSRestType\");\n    }\n\n    return type;\n    }\n\n    tsParseParenthesizedType() {\n    const node = this.startNode();\n
this.expect(types$1.parenL);\n    node.typeAnnotation = this.tsParseType();\n    this.expect(types$1.parenR);\n
return this.finishNode(node, \"TSParenthesizedType\");\n    }\n\n    tsParseFunctionOrConstructorType(type, abstract)
{\n    const node = this.startNode();\n\n    if (type === \"TSConstructorType\") {\n        node.abstract = !!abstract;\n
if (abstract) this.next();\n        this.next();\n    }\n\n    this.tsFillSignature(types$1.arrow, node);\n    return
this.finishNode(node, type);\n    }\n\n    tsParseLiteralTypeNode() {\n    const node = this.startNode();\n\n
node.literal = (() => {\n        switch (this.state.type) {\n            case types$1.num:\n                case types$1.bigint:\n                case
types$1.string:\n                case types$1._true:\n                case types$1._false:\n                    return this.parseExprAtom();\n\n
default:\n                    throw this.unexpected();\n                }\n        })();\n\n    return this.finishNode(node, \"TSLiteralType\");\n
}\n\n    tsParseTemplateLiteralType() {\n    const node = this.startNode();\n    node.literal =
this.parseTemplate(false);\n    return this.finishNode(node, \"TSLiteralType\");\n    }\n\n    parseTemplateSubstitution() {\n    if (this.state.inType) return this.tsParseType();\n    return
super.parseTemplateSubstitution();\n    }\n\n    tsParseThisTypeOrThisTypePredicate() {\n    const thisKeyword =
this.tsParseThisTypeNode();\n\n    if (this.isContextual(\"is\") && !this.hasPrecedingLineBreak()) {\n    return
this.tsParseThisTypePredicate(thisKeyword);\n    } else {\n    return thisKeyword;\n    }\n    }\n\n    tsParseNonArrayType() {\n    switch (this.state.type) {\n        case types$1.name:\n            case types$1._void:\n            case
types$1._null:\n                {\n                    const type = this.match(types$1._void) ? \"TSVoidKeyword\" :
this.match(types$1._null) ? \"TSNullKeyword\" : keywordTypeFromName(this.state.value);\n\n                    if (type !==
undefined && this.lookaheadCharCode() !== 46) {\n                        const node = this.startNode();\n                        this.next();\n
return this.finishNode(node, type);\n                    }\n\n                    return this.tsParseTypeReference();\n                }\n\n            case
types$1.string:\n            case types$1.num:\n            case types$1.bigint:\n            case types$1._true:\n            case
types$1._false:\n                return this.tsParseLiteralTypeNode();\n\n            case types$1.plusMin:\n                if (this.state.value
=== \"-\") {\n                    const node = this.startNode();\n                    const nextToken = this.lookahead();\n\n                    if
(nextToken.type !== types$1.num && nextToken.type !== types$1.bigint) {\n                        throw this.unexpected();\n                    }\n\n                    node.literal = this.parseMaybeUnary();\n                    return this.finishNode(node, \"TSLiteralType\");\n                }\n\n                break;\n\n            case types$1._this:\n                return this.tsParseThisTypeOrThisTypePredicate();\n\n            case
types$1._typeof:\n                return this.tsParseTypeQuery();\n\n            case types$1._import:\n                return
this.tsParseImportType();\n\n            case types$1.braceL:\n                return
this.tsLookAhead(this.tsIsStartOfMappedType.bind(this)) ? this.tsParseMappedType() :
this.tsParseTypeLiteral();\n\n            case types$1.bracketL:\n                return this.tsParseTupleType();\n\n            case

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types$1.parenL;\n    return this.tsParseParenthesizedType();\n\n    case types$1.backQuote;\n    return
this.tsParseTemplateLiteralType();\n  }\n\n  throw this.unexpected();\n }\n\n  tsParseArrayTypeOrHigher() {\n
let type = this.tsParseNonArrayType();\n\n  while (!this.hasPrecedingLineBreak() && this.eat(types$1.bracketL))
{\n    if (this.match(types$1.bracketR)) {\n      const node = this.startNodeAtNode(type);\n      node.elementType
= type;\n      this.expect(types$1.bracketR);\n      type = this.finishNode(node, \"TSArrayType\");\n    } else {\n
const node = this.startNodeAtNode(type);\n      node.objectType = type;\n      node.indexType =
this.tsParseType();\n      this.expect(types$1.bracketR);\n      type = this.finishNode(node,
\"TSIndexedAccessType\");\n    }\n  }\n\n  return type;\n }\n\n  tsParseTypeOperator(operator) {\n  const node
= this.startNode();\n  this.expectContextual(operator);\n  node.operator = operator;\n  node.typeAnnotation =
this.tsParseTypeOperatorOrHigher();\n\n  if (operator === \"readonly\") {\n
this.tsCheckTypeAnnotationForReadOnly(node);\n  }\n\n  return this.finishNode(node, \"TSTypeOperator\");\n
}\n\n  tsCheckTypeAnnotationForReadOnly(node) {\n  switch (node.typeAnnotation.type) {\n    case
\"TSTupleType\":\n    case \"TSArrayType\":\n      return;\n\n    default:\n      this.raise(node.start,
TSErrors.UnexpectedReadOnly);\n  }\n }\n\n  tsParseInferType() {\n  const node = this.startNode();\n
this.expectContextual(\"infer\");\n  const typeParameter = this.startNode();\n  typeParameter.name =
this.parseIdentifierName(typeParameter.start);\n  node.typeParameter = this.finishNode(typeParameter,
\"TSTypeParameter\");\n  return this.finishNode(node, \"TSInferType\");\n }\n\n  tsParseTypeOperatorOrHigher()
{\n  const operator = [\"keyof\", \"unique\", \"readonly\"].find(kw => this.isContextual(kw));\n  return operator ?
this.tsParseTypeOperator(operator) : this.isContextual(\"infer\") ? this.tsParseInferType() :
this.tsParseArrayTypeOrHigher();\n }\n\n  tsParseUnionOrIntersectionType(kind, parseConstituentType, operator)
{\n  const node = this.startNode();\n  const hasLeadingOperator = this.eat(operator);\n  const types = [];\n\n  do
{\n    types.push(parseConstituentType());\n  } while (this.eat(operator));\n\n  if (types.length === 1 &&
!hasLeadingOperator) {\n    return types[0];\n  }\n\n  node.types = types;\n  return this.finishNode(node,
kind);\n }\n\n  tsParseIntersectionTypeOrHigher() {\n  return
this.tsParseUnionOrIntersectionType(\"TSIntersectionType\", this.tsParseTypeOperatorOrHigher.bind(this),
types$1.bitwiseAND);\n }\n\n  tsParseUnionTypeOrHigher() {\n  return
this.tsParseUnionOrIntersectionType(\"TSUnionType\", this.tsParseIntersectionTypeOrHigher.bind(this),
types$1.bitwiseOR);\n }\n\n  tsIsStartOfFunctionType() {\n  if (this.isRelational(\"<\")) {\n    return true;\n
}\n\n  return this.match(types$1.parenL) &&
this.tsLookAhead(this.tsIsUnambiguouslyStartOfFunctionType.bind(this));\n }\n\n  tsSkipParameterStart() {\n  if
(this.match(types$1.name) || this.match(types$1._this)) {\n    this.next();\n    return true;\n  }\n\n  if
(this.match(types$1.braceL)) {\n    let braceStackCounter = 1;\n    this.next();\n\n    while (braceStackCounter >
0) {\n      if (this.match(types$1.braceL)) {\n        ++braceStackCounter;\n      } else if
(this.match(types$1.braceR)) {\n        --braceStackCounter;\n      }\n\n      this.next();\n    }\n\n    return true;\n
}\n\n  if (this.match(types$1.bracketL)) {\n    let braceStackCounter = 1;\n    this.next();\n\n    while
(braceStackCounter > 0) {\n      if (this.match(types$1.bracketL)) {\n        ++braceStackCounter;\n      } else if
(this.match(types$1.bracketR)) {\n        --braceStackCounter;\n      }\n\n      this.next();\n    }\n\n    return
true;\n  }\n\n  return false;\n }\n\n  tsIsUnambiguouslyStartOfFunctionType() {\n  this.next();\n\n  if
(this.match(types$1.parenR) || this.match(types$1.ellipsis)) {\n    return true;\n  }\n\n  if
(this.tsSkipParameterStart()) {\n    if (this.match(types$1.colon) || this.match(types$1.comma) ||
this.match(types$1.question) || this.match(types$1.eq)) {\n      return true;\n    }\n\n    if
(this.match(types$1.parenR)) {\n      this.next();\n\n      if (this.match(types$1.arrow)) {\n        return true;\n
}\n    }\n  }\n\n  return false;\n }\n\n  tsParseTypeOrTypePredicateAnnotation(returnToken) {\n  return
this.tsInType() => {\n    const t = this.startNode();\n    this.expect(returnToken);\n    const node =
this.startNode();\n    const asserts = !!this.tsTryParse(this.tsParseTypePredicateAsserts.bind(this));\n\n    if (asserts
&& this.match(types$1._this)) {\n      let thisTypePredicate = this.tsParseThisTypeOrThisTypePredicate();\n\n
if (thisTypePredicate.type === \"TSThisType\") {\n        node.parameterName = thisTypePredicate;\n
node.asserts = true;\n        thisTypePredicate = this.finishNode(node, \"TSTypePredicate\");\n      } else {\n

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this.resetStartLocationFromNode(thisTypePredicate, node);\n      thisTypePredicate.asserts = true;\n    }\n\n    t.typeAnnotation = thisTypePredicate;\n    return this.finishNode(t, \"TSTypeAnnotation\");\n  }\n\n  const\n  typePredicateVariable = this.tsIsIdentifier() && this.tsTryParse(this.tsParseTypePredicatePrefix.bind(this));\n\n  if (!typePredicateVariable) {\n    if (!asserts) {\n      return this.tsParseTypeAnnotation(false, t);\n    }\n\n    node.parameterName = this.parseIdentifier();\n    node.asserts = asserts;\n    t.typeAnnotation =\n    this.finishNode(node, \"TSTypePredicate\");\n    return this.finishNode(t, \"TSTypeAnnotation\");\n  }\n\n  const type = this.tsParseTypeAnnotation(false);\n  node.parameterName = typePredicateVariable;\n  node.typeAnnotation = type;\n  node.asserts = asserts;\n  t.typeAnnotation = this.finishNode(node,\n  \"TSTypePredicate\");\n  return this.finishNode(t, \"TSTypeAnnotation\");\n  });\n}\n\n  tsTryParseTypeOrTypePredicateAnnotation() {\n    return this.match(types$1.colon) ?\n\n    this.tsParseTypeOrTypePredicateAnnotation(types$1.colon) : undefined;\n  }\n\n  tsTryParseTypeAnnotation() {\n    return this.match(types$1.colon) ? this.tsParseTypeAnnotation() : undefined;\n  }\n\n  tsTryParseType() {\n    return\n    this.tsEatThenParseType(types$1.colon);\n  }\n\n  tsParseTypePredicatePrefix() {\n    const id =\n    this.parseIdentifier();\n\n    if (this.isContextual(\"is\") && !this.hasPrecedingLineBreak()) {\n      this.next();\n      return id;\n    }\n  }\n\n  tsParseTypePredicateAsserts() {\n    if (!this.match(types$1.name) || this.state.value !==\n    \"asserts\" || this.hasPrecedingLineBreak()) {\n      return false;\n    }\n\n    const containsEsc =\n    this.state.containsEsc;\n    this.next();\n\n    if (!this.match(types$1.name) && !this.match(types$1._this)) {\n      return false;\n    }\n\n    if (containsEsc) {\n      this.raise(this.state.lastTokStart,\n      ErrorMessages.InvalidEscapedReservedWord, \"asserts\");\n    }\n  }\n\n  return true;\n}\n\n  tsParseTypeAnnotation(eatColon = true, t = this.startNode()) {\n    this.tsInType() => {\n      if (eatColon)\n      this.expect(types$1.colon);\n      t.typeAnnotation = this.tsParseType();\n    });\n    return this.finishNode(t,\n    \"TSTypeAnnotation\");\n  }\n\n  tsParseType() {\n    assert(this.state.inType);\n    const type =\n    this.tsParseNonConditionalType();\n\n    if (this.hasPrecedingLineBreak() || !this.eat(types$1._extends)) {\n      return type;\n    }\n\n    const node = this.startNodeAtNode(type);\n    node.checkType = type;\n    node.extendsType\n    = this.tsParseNonConditionalType();\n    this.expect(types$1.question);\n    node.trueType = this.tsParseType();\n    this.expect(types$1.colon);\n    node.falseType = this.tsParseType();\n    return this.finishNode(node,\n    \"TSConditionalType\");\n  }\n\n  isAbstractConstructorSignature() {\n    return this.isContextual(\"abstract\") &&\n    this.lookahead().type === types$1._new;\n  }\n\n  tsParseNonConditionalType() {\n    if\n    (this.tsIsStartOfFunctionType()) {\n      return this.tsParseFunctionOrConstructorType(\"TSFunctionType\");\n    }\n\n    if (this.match(types$1._new)) {\n      return\n      this.tsParseFunctionOrConstructorType(\"TSConstructorType\");\n    } else if\n    (this.isAbstractConstructorSignature()) {\n      return\n      this.tsParseFunctionOrConstructorType(\"TSConstructorType\", true);\n    }\n\n    return\n    this.tsParseUnionTypeOrHigher();\n  }\n\n  tsParseTypeAssertion() {\n    const node = this.startNode();\n    const\n    _const = this.tsTryNextParseConstantContext();\n    node.typeAnnotation = _const ||\n    this.tsNextThenParseType();\n    this.expectRelational(>);\n    node.expression = this.parseMaybeUnary();\n    return this.finishNode(node, \"TSTypeAssertion\");\n  }\n\n  tsParseHeritageClause(descriptor) {\n    const\n    originalStart = this.state.start;\n    const delimitedList = this.tsParseDelimitedList(\"HeritageClauseElement\",\n    this.tsParseExpressionWithTypeArguments.bind(this));\n\n    if (!delimitedList.length) {\n      this.raise(originalStart, TSErrors.EmptyHeritageClauseType, descriptor);\n    }\n\n    return delimitedList;\n  }\n\n  tsParseExpressionWithTypeArguments() {\n    const node = this.startNode();\n    node.expression =\n    this.tsParseEntityName(false);\n\n    if (this.isRelational(<)) {\n      node.typeParameters =\n      this.tsParseTypeArguments();\n    }\n\n    return this.finishNode(node, \"TSExpressionWithTypeArguments\");\n  }\n\n  tsParseInterfaceDeclaration(node) {\n    node.id = this.parseIdentifier();\n    this.checkLVal(node.id,\n    \"typescript interface declaration\", BIND_TS_INTERFACE);\n    node.typeParameters =\n    this.tsTryParseTypeParameters();\n\n    if (this.eat(types$1._extends)) {\n      node.extends =\n      this.tsParseHeritageClause(\"extends\");\n    }\n\n    const body = this.startNode();\n    body.body =\n    this.tsInType(this.tsParseObjectTypeMembers.bind(this));\n    node.body = this.finishNode(body,\n
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\TSInterfaceBody\");\n return this.finishNode(node, \TSInterfaceDeclaration\");\n }\n\n
tsParseTypeAliasDeclaration(node) {\n node.id = this.parseIdentifier();\n this.checkLVal(node.id, \typescript
type alias", BIND_TS_TYPE);\n node.typeParameters = this.tsTryParseTypeParameters();\n
node.typeAnnotation = this.tsInType() => {\n this.expect(types$1.eq);\n\n if (this.isContextual(\intrinsic")
&& this.lookahead().type !== types$1.dot) {\n const node = this.startNode();\n this.next();\n return
this.finishNode(node, \TSIntrinsicKeyword\");\n }\n\n return this.tsParseType();\n };\n
this.semicolon();\n return this.finishNode(node, \TSTypeAliasDeclaration\");\n }\n\n tsInNoContext(cb) {\n
const oldContext = this.state.context;\n this.state.context = [oldContext[0]];\n\n try {\n return cb();\n }
finally {\n this.state.context = oldContext;\n }\n }\n\n tsInType(cb) {\n const oldInType =
this.state.inType;\n this.state.inType = true;\n\n try {\n return cb();\n } finally {\n this.state.inType =
oldInType;\n }\n }\n\n tsEatThenParseType(token) {\n return !this.match(token) ? undefined :
this.tsNextThenParseType();\n }\n\n tsExpectThenParseType(token) {\n return this.tsDoThenParseType(() =>
this.expect(token));\n }\n\n tsNextThenParseType() {\n return this.tsDoThenParseType(() => this.next());\n
}\n\n tsDoThenParseType(cb) {\n return this.tsInType() => {\n cb();\n return this.tsParseType();\n };\n
}\n\n tsParseEnumMember() {\n const node = this.startNode();\n node.id = this.match(types$1.string) ?
this.parseExprAtom() : this.parseIdentifier(true);\n\n if (this.eat(types$1.eq)) {\n node.initializer =
this.parseMaybeAssignAllowIn();\n }\n\n return this.finishNode(node, \TSEnumMember\");\n }\n\n
tsParseEnumDeclaration(node, isConst) {\n if (isConst) node.const = true;\n node.id = this.parseIdentifier();\n
this.checkLVal(node.id, \typescript enum declaration", isConst ? BIND_TS_CONST_ENUM :
BIND_TS_ENUM);\n this.expect(types$1.braceL);\n node.members =
this.tsParseDelimitedList(\EnumMembers", this.tsParseEnumMember.bind(this));\n
this.expect(types$1.braceR);\n return this.finishNode(node, \TSEnumDeclaration\");\n }\n\n
tsParseModuleBlock() {\n const node = this.startNode();\n this.scope.enter(SCOPE_OTHER);\n
this.expect(types$1.braceL);\n this.parseBlockOrModuleBlockBody(node.body = [], undefined, true,
types$1.braceR);\n this.scope.exit();\n return this.finishNode(node, \TSMModuleBlock\");\n }\n\n
tsParseModuleOrNamespaceDeclaration(node, nested = false) {\n node.id = this.parseIdentifier();\n\n if
(!nested) {\n this.checkLVal(node.id, \module or namespace declaration", BIND_TS_NAMESPACE);\n
}\n\n if (this.eat(types$1.dot)) {\n const inner = this.startNode();\n
this.tsParseModuleOrNamespaceDeclaration(inner, true);\n node.body = inner;\n } else {\n
this.scope.enter(SCOPE_TS_MODULE);\n this.prodParam.enter(PARAM);\n node.body =
this.tsParseModuleBlock();\n this.prodParam.exit();\n this.scope.exit();\n }\n\n return
this.finishNode(node, \TSMModuleDeclaration\");\n }\n\n tsParseAmbientExternalModuleDeclaration(node) {\n
if (this.isContextual(\global")) {\n node.global = true;\n node.id = this.parseIdentifier();\n } else if
(this.match(types$1.string)) {\n node.id = this.parseExprAtom();\n } else {\n this.unexpected();\n }\n\n
if (this.match(types$1.braceL)) {\n this.scope.enter(SCOPE_TS_MODULE);\n
this.prodParam.enter(PARAM);\n node.body = this.tsParseModuleBlock();\n this.prodParam.exit();\n
this.scope.exit();\n } else {\n this.semicolon();\n }\n\n return this.finishNode(node,
\TSMModuleDeclaration\");\n }\n\n tsParseImportEqualsDeclaration(node, isExport) {\n node.isExport = isExport
|| false;\n node.id = this.parseIdentifier();\n this.checkLVal(node.id, \import equals declaration",
BIND_LEXICAL);\n this.expect(types$1.eq);\n const moduleReference = this.tsParseModuleReference();\n\n
if (node.importKind === \type" && moduleReference.type !== \TSExternalModuleReference") {\n
this.raise(moduleReference.start, TSErrors.ImportAliasHasImportType);\n }\n\n node.moduleReference =
moduleReference;\n this.semicolon();\n return this.finishNode(node, \TSImportEqualsDeclaration\");\n }\n\n
tsIsExternalModuleReference() {\n return this.isContextual(\require") && this.lookaheadCharCode() === 40;\n
}\n\n tsParseModuleReference() {\n return this.tsIsExternalModuleReference() ?
this.tsParseExternalModuleReference() : this.tsParseEntityName(false);\n }\n\n tsParseExternalModuleReference()
{\n const node = this.startNode();\n this.expectContextual(\require");\n this.expect(types$1.parenL);\n\n if
(!this.match(types$1.string)) {\n throw this.unexpected();\n }\n\n node.expression = this.parseExprAtom();\n

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    this.expect(types$1.parenR);\n    return this.finishNode(node, \"TSExternalModuleReference\");\n  }\n\n  tsLookAhead(f) {\n    const state = this.state.clone();\n    const res = f();\n    this.state = state;\n    return res;\n  }\n\n  tsTryParseAndCatch(f) {\n    const result = this.tryParse(abort => f() || abort());\n    if (result.aborted || !result.node)\n      return undefined;\n    if (result.error) this.state = result.failState;\n    return result.node;\n  }\n\n  tsTryParse(f) {\n    const state = this.state.clone();\n    const result = f();\n\n    if (result !== undefined && result !== false) {\n      return result;\n    } else {\n      this.state = state;\n      return undefined;\n    }\n  }\n\n  tsTryParseDeclare(nany) {\n    if (this.isLineTerminator())\n      return;\n\n    let starttype = this.state.type;\n    let kind;\n\n    if (this.isContextual(\"let\"))\n      starttype = types$1._var;\n      kind = \"let\";\n    }\n\n    return this.tsInAmbientContext(() => {\n      switch (starttype) {\n        case types$1._function:\n          nany.declare = true;\n          return this.parseFunctionStatement(nany, false, true);\n        case types$1._class:\n          nany.declare = true;\n          return this.parseClass(nany, true, false);\n        case types$1._const:\n          if (this.match(types$1._const) && this.isLookaheadContextual(\"enum\"))\n            this.expect(types$1._const);\n            this.expectContextual(\"enum\");\n            return this.tsParseEnumDeclaration(nany, true);\n          }\n        case types$1._var:\n          kind = kind || this.state.value;\n          return this.parseVarStatement(nany, kind);\n        case types$1.name:\n          {\n            const value = this.state.value;\n            if (value === \"global\") {\n              return this.tsParseAmbientExternalModuleDeclaration(nany);\n            } else {\n              return this.tsParseDeclaration(nany, value, true);\n            }\n          }\n        }\n      });\n    }\n  }\n\n  tsTryParseExportDeclaration()\n  {\n    return this.tsParseDeclaration(this.startNode(), this.state.value, true);\n  }\n\n  tsParseExpressionStatement(node, expr) {\n    switch (expr.name) {\n      case \"declare\":\n        {\n          const declaration = this.tsTryParseDeclare(node);\n\n          if (declaration) {\n            declaration.declare = true;\n            return declaration;\n          }\n          break;\n        }\n      case \"global\":\n        if (this.match(types$1.braceL))\n          {\n            this.scope.enter(SCOPE_TS_MODULE);\n            this.prodParam.enter(PARAM);\n            const mod = node;\n            mod.global = true;\n            mod.id = expr;\n            mod.body = this.tsParseModuleBlock();\n            this.scope.exit();\n            this.prodParam.exit();\n            return this.finishNode(mod, \"TSMODULEDECLARATION\");\n          }\n        }\n      break;\n      default:\n        return this.tsParseDeclaration(node, expr.name, false);\n    }\n  }\n\n  tsParseDeclaration(node, value, next) {\n    switch (value) {\n      case \"abstract\":\n        if (this.tsCheckLineTerminator(next) && (this.match(types$1._class) || this.match(types$1.name)))\n          return this.tsParseAbstractDeclaration(node);\n        }\n      break;\n      case \"enum\":\n        if (next || this.match(types$1.name))\n          {\n            if (next) this.next();\n            return this.tsParseEnumDeclaration(node, false);\n          }\n        }\n      break;\n      case \"interface\":\n        if (this.tsCheckLineTerminator(next) && this.match(types$1.name))\n          return this.tsParseInterfaceDeclaration(node);\n        }\n      break;\n      case \"module\":\n        if (this.tsCheckLineTerminator(next))\n          {\n            if (this.match(types$1.string))\n              return this.tsParseAmbientExternalModuleDeclaration(node);\n            } else if (this.match(types$1.name))\n              return this.tsParseModuleOrNamespaceDeclaration(node);\n            }\n          }\n        }\n      break;\n      case \"namespace\":\n        if (this.tsCheckLineTerminator(next) && this.match(types$1.name))\n          return this.tsParseModuleOrNamespaceDeclaration(node);\n        }\n      break;\n      case \"type\":\n        if (this.tsCheckLineTerminator(next) && this.match(types$1.name))\n          return this.tsParseTypeAliasDeclaration(node);\n        }\n      break;\n    }\n  }\n\n  tsCheckLineTerminator(next) {\n    if (next) {\n      if (this.hasFollowingLineBreak()) return false;\n      this.next();\n      return true;\n    }\n    return !this.isLineTerminator();\n  }\n\n  tsTryParseGenericAsyncArrowFunction(startPos, startLoc) {\n    if (!this.isRelational(\"<\"))\n      return undefined;\n    }\n    const oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n    this.state.maybeInArrowParameters = true;\n    const res = this.tsTryParseAndCatch(() => {\n      const node = this.startNodeAt(startPos, startLoc);\n      node.typeParameters = this.tsParseTypeParameters();\n      super.parseFunctionParams(node);\n      node.returnType = this.tsTryParseTypeOrTypePredicateAnnotation();\n      this.expect(types$1.arrow);\n      return node;\n    });\n    this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n    if (!res)\n      return undefined;\n    }\n    return this.parseArrowExpression(res, null, true);\n  }\n\n  tsParseTypeArguments() {\n    const node = this.startNode();\n    node.params = this.tsInType(() => this.tsInNoContext(() => {\n

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this.expectRelational("<");\n    return this.tsParseDelimitedList("TypeParametersOrArguments",
this.tsParseType.bind(this));\n  });\n\n  if (node.params.length === 0) {\n    this.raise(node.start,
TSErrors.EmptyTypeArguments);\n  }\n\n  this.state.exprAllowed = false;\n  this.expectRelational(">");\n  return this.finishNode(node, "TSTypeParameterInstantiation");\n}\n\n tsIsDeclarationStart() {\n  if
(this.match(types$1.name)) {\n    switch (this.state.value) {\n      case "abstract":\n      case "declare":\n      case "enum":\n      case "interface":\n      case "module":\n      case "namespace":\n      case "type":\n      return true;\n    }\n  }\n\n  return false;\n}\n\n isExportDefaultSpecifier() {\n  if (this.tsIsDeclarationStart())
return false;\n  return super.isExportDefaultSpecifier();\n}\n\n parseAssignableListItem(allowModifiers,
decorators) {\n  const startPos = this.state.start;\n  const startLoc = this.state.startLoc;\n  let accessibility;\n  let
readonly = false;\n\n  if (allowModifiers !== undefined) {\n    accessibility = this.parseAccessModifier();\n    readonly = !!this.tsParseModifier(["readonly"]);
}\n\n  if (allowModifiers === false && (accessibility || readonly))
{\n    this.raise(startPos, TSErrors.UnexpectedParameterModifier);\n  }\n\n  const left =
this.parseMaybeDefault();\n  this.parseAssignableListItemTypes(left);\n  const elt =
this.parseMaybeDefault(left.start, left.loc.start, left);\n\n  if (accessibility || readonly) {\n    const pp =
this.startNodeAt(startPos, startLoc);\n\n    if (decorators.length) {\n      pp.decorators = decorators;\n    }\n\n    if (accessibility) pp.accessibility = accessibility;\n    if (readonly) pp.readonly = readonly;\n\n    if (elt.type !==
"Identifier" && elt.type !== "AssignmentPattern") {\n      this.raise(pp.start,
TSErrors.UnsupportedParameterPropertyKind);\n    }\n\n    pp.parameter = elt;\n    return this.finishNode(pp,
"TSParameterProperty");\n  }\n\n  if (decorators.length) {\n    left.decorators = decorators;\n  }\n\n  return
elt;\n}\n\n parseFunctionBodyAndFinish(node, type, isMethod = false) {\n  if (this.match(types$1.colon)) {\n    node.returnType = this.tsParseTypeOrTypePredicateAnnotation(types$1.colon);\n  }\n\n  const bodilessType =
type === "FunctionDeclaration" ? "TSDeclareFunction" : type === "ClassMethod" ? "TSDeclareMethod" :
undefined;\n\n  if (bodilessType && !this.match(types$1.braceL) && this.isLineTerminator()) {\n    this.finishNode(node, bodilessType);\n    return;\n  }\n\n  if (bodilessType === "TSDeclareFunction" &&
this.state.isAmbientContext) {\n    this.raise(node.start, TSErrors.DeclareFunctionHasImplementation);\n  }\n\n  if
(node.declare) {\n    super.parseFunctionBodyAndFinish(node, bodilessType, isMethod);\n    return;\n  }\n\n  super.parseFunctionBodyAndFinish(node, type, isMethod);\n}\n\n registerFunctionStatementId(node) {\n  if (!node.body && node.id) {\n    this.checkLVal(node.id, "function name", BIND_TS_AMBIENT);\n  } else
{\n    super.registerFunctionStatementId(...arguments);\n  }\n}\n\n tsCheckForInvalidTypeCasts(items) {\n  items.forEach(node => {\n    if ((node == null ? void 0 : node.type) === "TSTypeCastExpression") {\n      this.raise(node.typeAnnotation.start, TSErrors.UnexpectedTypeAnnotation);\n    }\n  });\n}\n\n toReferencedList(exprList, isInParens) {\n  this.tsCheckForInvalidTypeCasts(exprList);\n  return exprList;\n}\n\n parseArrayLike(...args) {\n  const node = super.parseArrayLike(...args);\n\n  if (node.type ===
"ArrayExpression") {\n    this.tsCheckForInvalidTypeCasts(node.elements);\n  }\n\n  return node;\n}\n\n parseSubscript(base, startPos, startLoc, noCalls, state) {\n  if (!this.hasPrecedingLineBreak() &&
this.match(types$1.bang)) {\n    this.state.exprAllowed = false;\n    this.next();\n    const nonNullExpression =
this.startNodeAt(startPos, startLoc);\n    nonNullExpression.expression = base;\n    return
this.finishNode(nonNullExpression, "TSNonNullExpression");\n  }\n\n  if (this.isRelational("<")) {\n    const
result = this.tsTryParseAndCatch(() => {\n      if (!noCalls && this.atPossibleAsyncArrow(base)) {\n        const
asyncArrowFn = this.tsTryParseGenericAsyncArrowFunction(startPos, startLoc);\n\n        if (asyncArrowFn) {\n          return asyncArrowFn;\n        }\n      }\n\n      const node = this.startNodeAt(startPos, startLoc);\n      node.callee = base;\n      const typeArguments = this.tsParseTypeArguments();\n\n      if (typeArguments) {\n        if (!noCalls && this.eat(types$1.parenL)) {\n          node.arguments =
this.parseCallExpressionArguments(types$1.parenR, false);\n          this.tsCheckForInvalidTypeCasts(node.arguments);\n          node.typeParameters = typeArguments;\n\n          if
(state.optionalChainMember) {\n            node.optional = false;\n          }\n          return
this.finishCallExpression(node, state.optionalChainMember);\n        } else if (this.match(types$1.backQuote)) {\n          const result = this.parseTaggedTemplateExpression(base, startPos, startLoc, state);\n

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result.typeParameters = typeArguments;\n      return result;\n    }\n  }\n\n  this.unexpected();\n});\n  if (result) return result;\n  }\n\n  return super.parseSubscript(base, startPos, startLoc, noCalls, state);\n}\n\n  parseNewArguments(node) {\n    if (this.isRelational("<")) {\n      const typeParameters =\n        this.tsTryParseAndCatch(() => {\n          const args = this.tsParseTypeArguments();\n          if\n            (!this.match(types$1.parenL)) this.unexpected();\n          return args;\n        });\n      if (typeParameters) {\n        node.typeParameters = typeParameters;\n      }\n    }\n\n    super.parseNewArguments(node);\n  }\n\n  parseExprOp(left, leftStartPos, leftStartLoc, minPrec) {\n    if (nonNull(types$1._in.binop) > minPrec &&\n      !this.hasPrecedingLineBreak() && this.isContextual("<as>")) {\n      const node = this.startNodeAt(leftStartPos,\n        leftStartLoc);\n      node.expression = left;\n      const _const = this.tsTryNextParseConstantContext();\n      if\n        (_const) {\n          node.typeAnnotation = _const;\n        }\n      else {\n          node.typeAnnotation =\n            this.tsNextThenParseType();\n        }\n      this.finishNode(node, "TSAsExpression");\n      this.reScan_lt_gt();\n      return this.parseExprOp(node, leftStartPos, leftStartLoc, minPrec);\n    }\n\n    return super.parseExprOp(left,\n      leftStartPos, leftStartLoc, minPrec);\n  }\n\n  checkReservedWord(word, startLoc, checkKeywords, isBinding)\n  {\n  }\n\n  checkDuplicateExports() {\n  }\n\n  parseImport(node) {\n    node.importKind = "value";\n\n    if\n      (this.match(types$1.name) || this.match(types$1.star) || this.match(types$1.braceL)) {\n        let ahead =\n          this.lookahead();\n\n        if (this.isContextual("type") && ahead.type !== types$1.comma && !(ahead.type ===\n          types$1.name && ahead.value === "from") && ahead.type !== types$1.eq) {\n          node.importKind = "type";\n          this.next();\n          ahead = this.lookahead();\n        }\n\n        if (this.match(types$1.name) && ahead.type ===\n          types$1.eq) {\n          return this.tsParseImportEqualsDeclaration(node);\n        }\n      }\n\n      const importNode =\n        super.parseImport(node);\n\n      if (importNode.importKind === "type" && importNode.specifiers.length > 1 &&\n        importNode.specifiers[0].type === "ImportDefaultSpecifier") {\n        this.raise(importNode.start,\n          TSErrors.TypeImportCannotSpecifyDefaultAndNamed);\n      }\n\n      return importNode;\n    }\n\n    parseExport(node)\n    {\n      if (this.match(types$1._import)) {\n        this.next();\n\n        if (this.isContextual("type") &&\n          this.lookaheadCharCode() !== 61) {\n          node.importKind = "type";\n          this.next();\n        }\n      }\n      else {\n        node.importKind = "value";\n      }\n\n      return this.tsParseImportEqualsDeclaration(node, true);\n    }\n  }\n  else if\n    (this.eat(types$1.eq)) {\n      const assign = node;\n      assign.expression = this.parseExpression();\n      this.semicolon();\n      return this.finishNode(assign, "TSExportAssignment");\n    }\n  }\n  else if\n    (this.eatContextual("<as>")) {\n      const decl = node;\n      this.expectContextual("namespace");\n      decl.id =\n        this.parseIdentifier();\n      this.semicolon();\n      return this.finishNode(decl,\n        "TSNamespaceExportDeclaration");\n    }\n  }\n  else {\n    if (this.isContextual("type") && this.lookahead().type ===\n      types$1.braceL) {\n      this.next();\n      node.exportKind = "type";\n    }\n    else {\n      node.exportKind =\n        "value";\n    }\n\n    return super.parseExport(node);\n  }\n}\n\n  isAbstractClass() {\n    return\n      this.isContextual("abstract") && this.lookahead().type === types$1._class;\n  }\n\n  parseExportDefaultExpression() {\n    if (this.isAbstractClass()) {\n      const cls = this.startNode();\n      this.next();\n      cls.abstract = true;\n      this.parseClass(cls, true, true);\n      return cls;\n    }\n\n    if (this.state.value\n      === "interface") {\n      const result = this.tsParseDeclaration(this.startNode(), this.state.value, true);\n      if (result)\n        return result;\n    }\n\n    return super.parseExportDefaultExpression();\n  }\n\n  parseStatementContent(context,\n    topLevel) {\n    if (this.state.type === types$1._const) {\n      const ahead = this.lookahead();\n      if (ahead.type\n        === types$1.name && ahead.value === "enum") {\n        const node = this.startNode();\n        this.expect(types$1._const);\n        this.expectContextual("enum");\n        return this.tsParseEnumDeclaration(node,\n          true);\n      }\n    }\n\n    return super.parseStatementContent(context, topLevel);\n  }\n\n  parseAccessModifier() {\n    return this.tsParseModifier(["public", "protected", "private"]); \n  }\n\n  tsHasSomeModifiers(member,\n    modifiers) {\n    return modifiers.some(modifier => {\n      if (tsIsAccessModifier(modifier)) {\n        return\n          member.accessibility === modifier;\n      }\n\n      return !!member[modifier];\n    });\n  }\n\n  parseClassMember(classBody, member, state) {\n    const invalidModifiersForStaticBlocks = ["declare",\n      "private", "public", "protected", "override", "abstract", "readonly"]; \n    this.tsParseModifiers(member,\n      invalidModifiersForStaticBlocks.concat(["static"]));\n\n    const callParseClassMemberWithIsStatic = () => {\n      const isStatic = !!member.static;\n      if (isStatic && this.eat(types$1.braceL)) {\n        if

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(this.tsHasSomeModifiers(member, invalidModifiersForStaticBlocks)) {\n      this.raise(this.state.pos,
TSErrors.StaticBlockCannotHaveModifier);\n    }\n\n    this.parseClassStaticBlock(classBody, member);\n  }\n  else {\n    this.parseClassMemberWithIsStatic(classBody, member, state, isStatic);\n  }\n};\n\n if
(member.declare) {\n    this.tsInAmbientContext(callParseClassMemberWithIsStatic);\n  } else {\n
callParseClassMemberWithIsStatic();\n  }\n}\n\n parseClassMemberWithIsStatic(classBody, member, state,
isStatic) {\n  const idx = this.tsTryParseIndexSignature(member);\n\n  if (idx) {\n
classBody.body.push(idx);\n\n  if (member.abstract) {\n    this.raise(member.start,
TSErrors.IndexSignatureHasAbstract);\n  }\n\n  if (member.accessibility) {\n    this.raise(member.start,
TSErrors.IndexSignatureHasAccessibility, member.accessibility);\n  }\n\n  if (member.declare) {\n
this.raise(member.start, TSErrors.IndexSignatureHasDeclare);\n  }\n\n  if (member.override) {\n
this.raise(member.start, TSErrors.IndexSignatureHasOverride);\n  }\n\n  return;\n  }\n\n  if
(!this.state.inAbstractClass && member.abstract) {\n    this.raise(member.start,
TSErrors.NonAbstractClassHasAbstractMethod);\n  }\n\n  if (member.override) {\n    if (!state.hadSuperClass)
{\n      this.raise(member.start, TSErrors.OverrideNotInSubClass);\n    }\n  }\n\n  super.parseClassMemberWithIsStatic(classBody, member, state, isStatic);\n  }\n\n
parsePostMemberNameModifiers(methodOrProp) {\n  const optional = this.eat(types$1.question);\n  if (optional)
methodOrProp.optional = true;\n\n  if (methodOrProp.readonly && this.match(types$1.parenL)) {\n
this.raise(member.start, TSErrors.ClassMethodHasReadonly);\n  }\n\n  if (methodOrProp.declare &&
this.match(types$1.parenL)) {\n    this.raise(member.start, TSErrors.ClassMethodHasDeclare);\n  }\n  }\n}\n\n
parseExpressionStatement(node, expr) {\n  const decl = expr.type === "Identifier" ?
this.tsParseExpressionStatement(node, expr) : undefined;\n  return decl || super.parseExpressionStatement(node,
expr);\n}\n\n shouldParseExportDeclaration() {\n  if (this.tsIsDeclarationStart()) return true;\n  return
super.shouldParseExportDeclaration();\n}\n\n parseConditional(expr, startPos, startLoc, refNeedsArrowPos) {\n
if (!refNeedsArrowPos || !this.match(types$1.question)) {\n  return super.parseConditional(expr, startPos,
startLoc, refNeedsArrowPos);\n  }\n\n  const result = this.tryParse(() => super.parseConditional(expr, startPos,
startLoc));\n\n  if (!result.node) {\n    refNeedsArrowPos.start = result.error.pos || this.state.start;\n    return
expr;\n  }\n\n  if (result.error) this.state = result.failState;\n  return result.node;\n}\n\n parseParenItem(node,
startPos, startLoc) {\n  node = super.parseParenItem(node, startPos, startLoc);\n\n  if (this.eat(types$1.question))
{\n    node.optional = true;\n    this.resetEndLocation(node);\n  }\n\n  if (this.match(types$1.colon)) {\n
const typeCastNode = this.startNodeAt(startPos, startLoc);\n  typeCastNode.expression = node;\n
typeCastNode.typeAnnotation = this.tsParseTypeAnnotation();\n  return this.finishNode(typeCastNode,
"TSTypeCastExpression");\n  }\n\n  return node;\n}\n\n parseExportDeclaration(node) {\n  const startPos =
this.state.start;\n  const startLoc = this.state.startLoc;\n  const isDeclare = this.eatContextual("declare");\n\n  if
(isDeclare && (this.isContextual("declare") || !this.shouldParseExportDeclaration())) {\n    throw
this.raise(this.state.start, TSErrors.ExpectedAmbientAfterExportDeclare);\n  }\n\n  let declaration;\n\n  if
(this.match(types$1.name)) {\n    declaration = this.tsTryParseExportDeclaration();\n  }\n\n  if (!declaration) {\n
declaration = super.parseExportDeclaration(node);\n  }\n\n  if (declaration && (declaration.type ===
"TSInterfaceDeclaration" || declaration.type === "TSTypeAliasDeclaration" || isDeclare)) {\n    node.exportKind
= "type";\n  }\n\n  if (declaration && isDeclare) {\n    this.resetStartLocation(declaration, startPos, startLoc);\n
declaration.declare = true;\n  }\n\n  return declaration;\n}\n\n parseClassId(node, isStatement, optionalId) {\n
if ((!isStatement || optionalId) && this.isContextual("implements")) {\n  return;\n  }\n\n  super.parseClassId(node, isStatement, optionalId, node.declare ? BIND_TS_AMBIENT : BIND_CLASS);\n  const
typeParameters = this.tsTryParseTypeParameters();\n  if (typeParameters) node.typeParameters =
typeParameters;\n  }\n\n  parseClassPropertyAnnotation(node) {\n    if (!node.optional && this.eat(types$1.bang))
{\n      node.definite = true;\n    }\n\n    const type = this.tsTryParseTypeAnnotation();\n    if (type)
node.typeAnnotation = type;\n  }\n\n  parseClassProperty(node) {\n    this.parseClassPropertyAnnotation(node);\n\n
if (this.state.isAmbientContext && this.match(types$1.eq)) {\n      this.raise(this.state.start,
TSErrors.DeclareClassFieldHasInitializer);\n    }\n\n    return super.parseClassProperty(node);\n  }\n}\n}

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parseClassPrivateProperty(node) {\n  if (node.abstract) {\n    this.raise(node.start,
TSErrors.PrivateElementHasAbstract);\n  }\n  if (node.accessibility) {\n    this.raise(node.start,
TSErrors.PrivateElementHasAccessibility, node.accessibility);\n  }\n  this.parseClassPropertyAnnotation(node);\n  return super.parseClassPrivateProperty(node);\n}
pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper) {\n  const
typeParameters = this.tsTryParseTypeParameters();\n  if (typeParameters && isConstructor) {\n
this.raise(typeParameters.start, TSErrors.ConstructorHasTypeParameters);\n  }\n  if (method.declare &&
(method.kind === "get" || method.kind === "set")) {\n    this.raise(method.start, TSErrors.DeclareAccessor,
method.kind);\n  }\n  if (typeParameters) method.typeParameters = typeParameters;\n  super.pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor, allowsDirectSuper);\n}
pushClassPrivateMethod(classBody, method, isGenerator, isAsync) {\n  const typeParameters =
this.tsTryParseTypeParameters();\n  if (typeParameters) method.typeParameters = typeParameters;\n  super.pushClassPrivateMethod(classBody, method, isGenerator, isAsync);\n}
parseClassSuper(node) {\n  super.parseClassSuper(node);\n  if (node.superClass && this.isRelational("<")) {\n
node.superTypeParameters = this.tsParseTypeArguments();\n  }\n  if (this.eatContextual("implements")) {\n
node.implements = this.tsParseHeritageClause("implements");\n  }\n  parseObjPropValue(prop, ...args) {\n
const typeParameters = this.tsTryParseTypeParameters();\n  if (typeParameters) prop.typeParameters =
typeParameters;\n  super.parseObjPropValue(prop, ...args);\n  }\n  parseFunctionParams(node, allowModifiers)
{\n  const typeParameters = this.tsTryParseTypeParameters();\n  if (typeParameters) node.typeParameters =
typeParameters;\n  super.parseFunctionParams(node, allowModifiers);\n  }\n  parseVarId(decl, kind) {\n
super.parseVarId(decl, kind);\n  if (decl.id.type === "Identifier" && this.eat(types$1.bang)) {\n  decl.definite
= true;\n  }\n  const type = this.tsTryParseTypeAnnotation();\n  if (type) {\n  decl.id.typeAnnotation =
type;\n  this.resetEndLocation(decl.id);\n  }\n  }\n  parseAsyncArrowFromCallExpression(node, call) {\n  if
(this.match(types$1.colon)) {\n  node.returnType = this.tsParseTypeAnnotation();\n  }\n  return
super.parseAsyncArrowFromCallExpression(node, call);\n  }\n  parseMaybeAssign(...args) {\n  var _jsx, _jsx2,
_typeCast, _jsx3, _typeCast2, _jsx4, _typeCast3;\n  let state;\n  let jsx;\n  let typeCast;\n  if
(this.hasPlugin("jsx") && (this.match(types$1.jsxTagStart) || this.isRelational("<"))) {\n  state =
this.state.clone();\n  jsx = this.tryParse(() => super.parseMaybeAssign(...args), state);\n  if (!jsx.error) return
jsx.node;\n  const {\n    context\n  } = this.state;\n  if (context[context.length - 1] === types.j_oTag) {\n
context.length -= 2;\n  } else if (context[context.length - 1] === types.j_expr) {\n  context.length -= 1;\n
}\n  }\n  if (!((_jsx = jsx) != null && _jsx.error) && !this.isRelational("<")) {\n  return
super.parseMaybeAssign(...args);\n  }\n  let typeParameters;\n  state = state || this.state.clone();\n  const arrow
= this.tryParse(abort => {\n  var _expr$extra, _typeParameters;\n  typeParameters =
this.tsParseTypeParameters();\n  const expr = super.parseMaybeAssign(...args);\n  if (expr.type !==
"ArrowFunctionExpression" || (_expr$extra = expr.extra) != null && _expr$extra.parenthesized) {\n  abort();\n
}\n  if (((_typeParameters = typeParameters) == null ? void 0 : _typeParameters.params.length) !== 0) {\n
this.resetStartLocationFromNode(expr, typeParameters);\n  }\n  expr.typeParameters = typeParameters;\n
return expr;\n  }, state);\n  if (!arrow.error && !arrow.aborted) return arrow.node;\n  if (!jsx) {\n
assert(!this.hasPlugin("jsx"));\n  typeCast = this.tryParse(() => super.parseMaybeAssign(...args), state);\n  if
(!_typeCast.error) return typeCast.node;\n  }\n  if ((_jsx2 = jsx) != null && _jsx2.node) {\n  this.state =
jsx.failState;\n  return jsx.node;\n  }\n  if (arrow.node) {\n  this.state = arrow.failState;\n  return
arrow.node;\n  }\n  if ((_typeCast = typeCast) != null && _typeCast.node) {\n  this.state =
typeCast.failState;\n  return typeCast.node;\n  }\n  if ((_jsx3 = jsx) != null && _jsx3.thrown) throw
jsx.error;\n  if (arrow.thrown) throw arrow.error;\n  if ((_typeCast2 = typeCast) != null && _typeCast2.thrown)
throw typeCast.error;\n  throw ((_jsx4 = jsx) == null ? void 0 : _jsx4.error) || arrow.error || ((_typeCast3 =
typeCast) == null ? void 0 : _typeCast3.error);\n  }\n  }\n  parseMaybeUnary(refExpressionErrors) {\n  if
(this.hasPlugin("jsx") && this.isRelational("<")) {\n  return this.tsParseTypeAssertion();\n  } else {\n
return super.parseMaybeUnary(refExpressionErrors);\n  }\n  }\n  parseArrow(node) {\n  if

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(this.match(types$1.colon)) {\n  const result = this.tryParse(abort => {\n    const returnType =
this.tsParseTypeOrTypePredicateAnnotation(types$1.colon);\n    if (this.canInsertSemicolon() ||
!this.match(types$1.arrow)) abort();\n    return returnType;\n  });\n  if (result.aborted) return;\n\n  if
(!result.thrown) {\n    if (result.error) this.state = result.failState;\n    node.returnType = result.node;\n  }\n\n
}\n\n  return super.parseArrow(node);\n }\n\n parseAssignableListItemTypes(param) {\n  if
(this.eat(types$1.question)) {\n    if (param.type !== "Identifier" && !this.state.isAmbientContext &&
!this.state.inType) {\n      this.raise(param.start, TSErrors.PatternIsOptional);\n    }\n\n    param.optional = true;\n
}\n\n  const type = this.tsTryParseTypeAnnotation();\n  if (type) param.typeAnnotation = type;\n
this.resetEndLocation(param);\n  return param;\n }\n\n toAssignable(node, isLHS = false) {\n  switch
(node.type) {\n    case "TSTypeCastExpression":\n      return
super.toAssignable(this.typeCastToParameter(node), isLHS);\n\n    case "TSParameterProperty":\n      return
super.toAssignable(node, isLHS);\n\n    case "ParenthesizedExpression":\n      return
this.toAssignableParenthesizedExpression(node, isLHS);\n\n    case "TSAsExpression":\n      case
"TSNonNullExpression":\n      case "TSTypeAssertion":\n      node.expression =
this.toAssignable(node.expression, isLHS);\n      return node;\n\n    default:\n      return super.toAssignable(node,
isLHS);\n  }\n\n  toAssignableParenthesizedExpression(node, isLHS) {\n    switch (node.expression.type) {\n
      case "TSAsExpression":\n      case "TSNonNullExpression":\n      case "TSTypeAssertion":\n      case
"ParenthesizedExpression":\n      node.expression = this.toAssignable(node.expression, isLHS);\n      return
node;\n\n    default:\n      return super.toAssignable(node, isLHS);\n    }\n  }\n\n  checkLVal(expr,
contextDescription, ...args) {\n    var _expr$extra2;\n\n    switch (expr.type) {\n      case
"TSTypeCastExpression":\n      return;\n\n      case "TSParameterProperty":\n
this.checkLVal(expr.parameter, "parameter property", ...args);\n      return;\n\n      case "TSAsExpression":\n
case "TSTypeAssertion":\n      if (!args[0] && contextDescription !== "parenthesized expression" &&
!((_expr$extra2 = expr.extra) != null && _expr$extra2.parenthesized)) {\n        this.raise(expr.start,
ErrorMessages.InvalidLhs, contextDescription);\n        break;\n      }\n\n      this.checkLVal(expr.expression,
"parenthesized expression", ...args);\n      return;\n\n      case "TSNonNullExpression":\n
this.checkLVal(expr.expression, contextDescription, ...args);\n      return;\n\n      default:\n
super.checkLVal(expr, contextDescription, ...args);\n      return;\n    }\n  }\n\n  parseBindingAtom() {\n    switch
(this.state.type) {\n      case types$1._this:\n      return this.parseIdentifier(true);\n\n      default:\n      return
super.parseBindingAtom();\n    }\n  }\n\n  parseMaybeDecoratorArguments(expr) {\n    if (this.isRelational("<"))
{\n      const typeArguments = this.tsParseTypeArguments();\n\n      if (this.match(types$1.parenL)) {\n        const
call = super.parseMaybeDecoratorArguments(expr);\n        call.typeParameters = typeArguments;\n        return
call;\n      }\n\n      this.unexpected(this.state.start, types$1.parenL);\n    }\n\n    return
super.parseMaybeDecoratorArguments(expr);\n  }\n\n  checkCommaAfterRest(close) {\n    if
(this.state.isAmbientContext && this.match(types$1.comma) && this.lookaheadCharCode() === close) {\n
      this.next();\n    } else {\n      super.checkCommaAfterRest(close);\n    }\n  }\n\n  isClassMethod() {\n    return
this.isRelational("<") || super.isClassMethod();\n  }\n\n  isClassProperty() {\n    return this.match(types$1.bang) ||
this.match(types$1.colon) || super.isClassProperty();\n  }\n\n  parseMaybeDefault(...args) {\n    const node =
super.parseMaybeDefault(...args);\n\n    if (node.type === "AssignmentPattern" && node.typeAnnotation &&
node.right.start < node.typeAnnotation.start) {\n      this.raise(node.typeAnnotation.start,
TSErrors.TypeAnnotationAfterAssign);\n    }\n\n    return node;\n  }\n\n  getTokenFromCode(code) {\n    if
(this.state.inType && (code === 62 || code === 60)) {\n      return this.finishOp(types$1.relational, 1);\n    } else {\n
      return super.getTokenFromCode(code);\n    }\n  }\n\n  reScan_lt_gt() {\n    if (this.match(types$1.relational)) {\n
      const code = this.input.charCodeAtAt(this.state.start);\n\n      if (code === 60 || code === 62) {\n        this.state.pos -=
1;\n        this.readToken_lt_gt(code);\n      }\n    }\n  }\n\n  toAssignableList(exprList) {\n    for (let i = 0; i <
exprList.length; i++) {\n      const expr = exprList[i];\n      if (!expr) continue;\n\n      switch (expr.type) {\n        case
"TSTypeCastExpression":\n          exprList[i] = this.typeCastToParameter(expr);\n          break;\n\n        case
"TSAsExpression":\n        case "TSTypeAssertion":\n          if (!this.state.maybeInArrowParameters) {\n

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exprList[i] = this.typeCastToParameter(expr);\n      } else {\n        this.raise(expr.start,
TSErrors.UnexpectedTypeCastInParameter);\n      }\n      break;\n    }\n  }\n  return
super.toAssignableList(...arguments);\n }\n\n typeCastToParameter(node) {\n  node.expression.typeAnnotation =
node.typeAnnotation;\n  this.resetEndLocation(node.expression, node.typeAnnotation.end,
node.typeAnnotation.loc.end);\n  return node.expression;\n }\n\n shouldParseArrow() {\n  return
this.match(types$1.colon) || super.shouldParseArrow();\n }\n\n shouldParseAsyncArrow() {\n  return
this.match(types$1.colon) || super.shouldParseAsyncArrow();\n }\n\n canHaveLeadingDecorator() {\n  return
super.canHaveLeadingDecorator() || this.isAbstractClass();\n }\n\n jsxParseOpeningElementAfterName(node) {\n
if (this.isRelational("<")) {\n  const typeArguments = this.tsTryParseAndCatch(() =>
this.tsParseTypeArguments());\n  if (typeArguments) node.typeParameters = typeArguments;\n }\n\n return
super.jsxParseOpeningElementAfterName(node);\n }\n\n getGetterSetterExpectedParamCount(method) {\n  const
baseCount = super.getGetterSetterExpectedParamCount(method);\n  const params =
this.getObjectOrClassMethodParams(method);\n  const firstParam = params[0];\n  const hasContextParam =
firstParam && this.isThisParam(firstParam);\n  return hasContextParam ? baseCount + 1 : baseCount;\n }\n\n
parseCatchClauseParam() {\n  const param = super.parseCatchClauseParam();\n  const type =
this.tsTryParseTypeAnnotation();\n\n  if (type) {\n    param.typeAnnotation = type;\n
this.resetEndLocation(param);\n  }\n\n  return param;\n }\n\n tsInAmbientContext(cb) {\n  const
oldIsAmbientContext = this.state.isAmbientContext;\n  this.state.isAmbientContext = true;\n\n  try {\n    return
cb();\n  } finally {\n    this.state.isAmbientContext = oldIsAmbientContext;\n  }\n }\n\n parseClass(node,
...args) {\n  const oldInAbstractClass = this.state.inAbstractClass;\n  this.state.inAbstractClass =
!!node.abstract;\n\n  try {\n    return super.parseClass(node, ...args);\n  } finally {\n    this.state.inAbstractClass
= oldInAbstractClass;\n  }\n }\n\n tsParseAbstractDeclaration(node) {\n  if (this.match(types$1._class)) {\n
node.abstract = true;\n  return this.parseClass(node, true, false);\n  } else if (this.isContextual("interface")) {\n
if (!this.hasFollowingLineBreak()) {\n    node.abstract = true;\n    this.raise(node.start,
TSErrors.NonClassMethodPropertyHasAbstractModifier);\n    this.next();\n    return
this.tsParseInterfaceDeclaration(node);\n  }\n  } else {\n    this.unexpected(null, types$1._class);\n  }\n }\n\n
parseMethod(...args) {\n  const method = super.parseMethod(...args);\n\n  if (method.abstract) {\n    const
hasBody = this.hasPlugin("estree") ? !!method.value.body : !!method.body;\n\n    if (hasBody) {\n      const {\n
key\n      } = method;\n      this.raise(method.start, TSErrors.AbstractMethodHasImplementation, key.type ===
"Identifier" ? key.name : `${this.input.slice(key.start, key.end)}`);\n    }\n  }\n\n  return method;\n }\n\n
shouldParseAsAmbientContext() {\n  return !!this.getPluginOption("typescript", "dts");\n }\n\n parse() {\n  if
(this.shouldParseAsAmbientContext()) {\n    this.state.isAmbientContext = true;\n  }\n\n  return super.parse();\n
}\n\n getExpression() {\n  if (this.shouldParseAsAmbientContext()) {\n    this.state.isAmbientContext = true;\n
}\n\n  return super.getExpression();\n }\n\n});\n\n types$1.placeholder = new TokenType("%%", {\n  startsExpr:
true\n});\n\n const PlaceholderErrors = makeErrorTemplates({\n  ClassNameIsRequired: "A class name is
required.\n", ErrorCodes.SyntaxError\n});\n\n var placeholders = (superClass => class extends superClass {\n
  parsePlaceholder(expectedNode) {\n    if (this.match(types$1.placeholder)) {\n      const node = this.startNode();\n
this.next();\n      this.assertNoSpace("Unexpected space in placeholder.");\n      node.name =
super.parseIdentifier(true);\n      this.assertNoSpace("Unexpected space in placeholder.");\n
this.expect(types$1.placeholder);\n      return this.finishPlaceholder(node, expectedNode);\n    }\n  }\n\n
  finishPlaceholder(node, expectedNode) {\n    const isFinished = !(node.expectedNode && node.type ===
"Placeholder");\n    node.expectedNode = expectedNode;\n    return isFinished ? node : this.finishNode(node,
"Placeholder");\n  }\n\n  getTokenFromCode(code) {\n    if (code === 37 && this.input.charCodeAt(this.state.pos
+ 1) === 37) {\n      return this.finishOp(types$1.placeholder, 2);\n    }\n\n    return
super.getTokenFromCode(...arguments);\n  }\n\n  parseExprAtom() {\n    return
this.parsePlaceholder("Expression") || super.parseExprAtom(...arguments);\n  }\n\n  parseIdentifier() {\n    return
this.parsePlaceholder("Identifier") || super.parseIdentifier(...arguments);\n  }\n\n  checkReservedWord(word) {\n
if (word !== undefined) super.checkReservedWord(...arguments);\n  }\n\n  parseBindingAtom() {\n    return

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this.parsePlaceholder("\Pattern") || super.parseBindingAtom(...arguments);\n }\n\n checkLVal(expr) {\n if
(expr.type !== "\Placeholder") super.checkLVal(...arguments);\n }\n\n toAssignable(node) {\n if (node &&
node.type === "\Placeholder" && node.expectedNode === "\Expression") {\n node.expectedNode =
"\Pattern";\n return node;\n }\n\n return super.toAssignable(...arguments);\n }\n\n isLet(context) {\n if
(super.isLet(context)) {\n return true;\n }\n\n if (!this.isContextual("\let")) {\n return false;\n }\n\n if
(context) return false;\n const nextToken = this.lookahead();\n\n if (nextToken.type === types$1.placeholder)
{\n return true;\n }\n\n return false;\n }\n\n verifyBreakContinue(node) {\n if (node.label &&
node.label.type === "\Placeholder") return;\n super.verifyBreakContinue(...arguments);\n }\n\n
parseExpressionStatement(node, expr) {\n if (expr.type !== "\Placeholder" || expr.extra &&
expr.extra.parenthesized) {\n return super.parseExpressionStatement(...arguments);\n }\n\n if
(this.match(types$1.colon)) {\n const stmt = node;\n stmt.label = this.finishPlaceholder(expr, "\Identifier");\n
this.next();\n stmt.body = this.parseStatement("\label");\n return this.finishNode(stmt,
"\LabeledStatement");\n }\n\n this.semicolon();\n node.name = expr.name;\n return
this.finishPlaceholder(node, "\Statement");\n }\n\n parseBlock() {\n return
this.parsePlaceholder("\BlockStatement") || super.parseBlock(...arguments);\n }\n\n parseFunctionId() {\n return
this.parsePlaceholder("\Identifier") || super.parseFunctionId(...arguments);\n }\n\n parseClass(node, isStatement,
optionalId) {\n const type = isStatement ? "\ClassDeclaration" : "\ClassExpression";\n this.next();\n
this.takeDecorators(node);\n const oldStrict = this.state.strict;\n const placeholder =
this.parsePlaceholder("\Identifier");\n\n if (placeholder) {\n if (this.match(types$1._extends) ||
this.match(types$1.placeholder) || this.match(types$1.braceL)) {\n node.id = placeholder;\n } else if
(optionalId || !isStatement) {\n node.id = null;\n node.body = this.finishPlaceholder(placeholder,
"\ClassBody");\n return this.finishNode(node, type);\n } else {\n this.unexpected(null,
PlaceholderErrors.ClassNameIsRequired);\n }\n } else {\n this.parseClassId(node, isStatement,
optionalId);\n }\n\n this.parseClassSuper(node);\n node.body = this.parsePlaceholder("\ClassBody") ||
this.parseClassBody(!node.superClass, oldStrict);\n return this.finishNode(node, type);\n }\n\n
parseExport(node) {\n const placeholder = this.parsePlaceholder("\Identifier");\n if (!placeholder) return
super.parseExport(...arguments);\n\n if (!this.isContextual("\from") && !this.match(types$1.comma)) {\n
node.specifiers = [];\n node.source = null;\n node.declaration = this.finishPlaceholder(placeholder,
"\Declaration");\n return this.finishNode(node, "\ExportNamedDeclaration");\n }\n\n
this.expectPlugin("\exportDefaultFrom");\n const specifier = this.startNode();\n specifier.exported =
placeholder;\n node.specifiers = [this.finishNode(specifier, "\ExportDefaultSpecifier");\n return
super.parseExport(node);\n }\n\n isExportDefaultSpecifier() {\n if (this.match(types$1._default)) {\n const
next = this.nextTokenStart();\n\n if (this.isUnparsedContextual(next, "\from")) {\n if
(this.input.startsWith(types$1.placeholder.label, this.nextTokenStartSince(next + 4))) {\n return true;\n }\n
}\n }\n\n return super.isExportDefaultSpecifier();\n }\n\n maybeParseExportDefaultSpecifier(node) {\n if
(node.specifiers && node.specifiers.length > 0) {\n return true;\n }\n\n return
super.maybeParseExportDefaultSpecifier(...arguments);\n }\n\n checkExport(node) {\n const {\n specifiers\n
} = node;\n if (specifiers != null && specifiers.length) {\n node.specifiers = specifiers.filter(node =>
node.exported.type === "\Placeholder");\n }\n\n super.checkExport(node);\n node.specifiers = specifiers;\n
}\n\n parseImport(node) {\n const placeholder = this.parsePlaceholder("\Identifier");\n if (!placeholder) return
super.parseImport(...arguments);\n node.specifiers = [];\n\n if (!this.isContextual("\from") &&
!this.match(types$1.comma)) {\n node.source = this.finishPlaceholder(placeholder, "\StringLiteral");\n
this.semicolon();\n return this.finishNode(node, "\ImportDeclaration");\n }\n\n const specifier =
this.startNodeAtNode(placeholder);\n specifier.local = placeholder;\n this.finishNode(specifier,
"\ImportDefaultSpecifier");\n node.specifiers.push(specifier);\n\n if (this.eat(types$1.comma)) {\n const
hasStarImport = this.maybeParseStarImportSpecifier(node);\n if (!hasStarImport)
this.parseNamedImportSpecifiers(node);\n }\n\n this.expectContextual("\from");\n node.source =
this.parseImportSource();\n this.semicolon();\n return this.finishNode(node, "\ImportDeclaration");\n }\n\n

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parseImportSource() {\n  return this.parsePlaceholder("StringLiteral") || super.parseImportSource(...arguments);\n  }\n});\n\nvar v8Intrinsic = (superClass => class extends superClass {\n  parseV8Intrinsic() {\n    if\n    (this.match(types$1.modulo)) {\n      const v8IntrinsicStart = this.state.start;\n      const node = this.startNode();\n      this.eat(types$1.modulo);\n\n      if (this.match(types$1.name)) {\n        const name =\n        this.parseIdentifierName(this.state.start);\n        const identifier = this.createIdentifier(node, name);\n        identifier.type = "V8IntrinsicIdentifier";\n\n        if (this.match(types$1.parenL)) {\n          return identifier;\n        }\n      }\n      this.unexpected(v8IntrinsicStart);\n    }\n  }\n\n  parseExprAtom() {\n    return\n    this.parseV8Intrinsic() || super.parseExprAtom(...arguments);\n  }\n\n  function hasPlugin(plugings, name) {\n    return plugings.some(plugin => {\n      if (Array.isArray(plugin)) {\n        return plugin[0] === name;\n      } else {\n        return\n        plugin === name;\n      }\n    });\n  }\n\n  function getPluginOption(plugings, name, option) {\n    const plugin =\n    plugings.find(plugin => {\n      if (Array.isArray(plugin)) {\n        return plugin[0] === name;\n      } else {\n        return\n        plugin === name;\n      }\n    });\n\n    if (plugin && Array.isArray(plugin)) {\n      return plugin[1][option];\n    }\n\n    return null;\n  }\n\n  const PIPELINE_PROPOSALS = ["minimal", "smart", "fsharp"];\n  const\n  RECORD_AND_TUPLE_SYNTAX_TYPES = ["hash", "bar"];\n\n  function validatePlugins(plugings) {\n    if\n    (hasPlugin(plugings, "decorators")) {\n      if (hasPlugin(plugings, "decorators-legacy")) {\n        throw new\n        Error("Cannot use the decorators and decorators-legacy plugin together");\n      }\n\n      const\n      decoratorsBeforeExport = getPluginOption(plugings, "decorators", "decoratorsBeforeExport");\n\n      if\n      (decoratorsBeforeExport == null) {\n        throw new Error("The 'decorators' plugin requires a\n        'decoratorsBeforeExport' option," + "\n        whose value must be a boolean. If you are migrating from" + "\n        Babylon/Babel 6 or want to use the old decorators proposal, you" + "\n        should use the 'decorators-legacy' plugin\n        instead of 'decorators'.");\n      } else if (typeof decoratorsBeforeExport !== "boolean") {\n        throw new\n        Error("'decoratorsBeforeExport' must be a boolean.");\n      }\n    }\n\n    if (hasPlugin(plugings, "flow") &&\n    hasPlugin(plugings, "typescript")) {\n      throw new Error("Cannot combine flow and typescript plugins.");\n    }\n\n    if (hasPlugin(plugings, "placeholders") && hasPlugin(plugings, "v8intrinsic")) {\n      throw new Error("Cannot\n      combine placeholders and v8intrinsic plugins.");\n    }\n\n    if (hasPlugin(plugings, "pipelineOperator") &&\n    !PIPELINE_PROPOSALS.includes(getPluginOption(plugings, "pipelineOperator", "proposal"))) {\n      throw new\n      Error("'pipelineOperator' requires 'proposal' option whose value should be one of: " +\n      PIPELINE_PROPOSALS.map(p => `${p}`).join(", ");\n    }\n\n    if (hasPlugin(plugings, "moduleAttributes")) {\n      {\n        if (hasPlugin(plugings, "importAssertions")) {\n          throw new Error("Cannot combine importAssertions\n          and moduleAttributes plugins.");\n        }\n\n        const moduleAttributesVersionPluginOption =\n        getPluginOption(plugings, "moduleAttributes", "version");\n\n        if (moduleAttributesVersionPluginOption !==\n        "may-2020") {\n          throw new Error("The 'moduleAttributes' plugin requires a 'version' option," + "\n          representing the last proposal update. Currently, the" + "\n          only supported value is 'may-2020'.");\n        }\n      }\n\n      if (hasPlugin(plugings, "recordAndTuple") &&\n      !RECORD_AND_TUPLE_SYNTAX_TYPES.includes(getPluginOption(plugings, "recordAndTuple",\n      "syntaxType"))) {\n        throw new Error("recordAndTuple' requires 'syntaxType' option whose value should be one\n        of: " + RECORD_AND_TUPLE_SYNTAX_TYPES.map(p => `${p}`).join(", ");\n      }\n\n      if (hasPlugin(plugings,\n      "asyncDoExpressions") && !hasPlugin(plugings, "doExpressions")) {\n        const error = new\n        Error("'asyncDoExpressions' requires 'doExpressions', please add 'doExpressions' to parser plugins.");\n        error.missingPlugins = "doExpressions";\n        throw error;\n      }\n    }\n\n    const mixinPlugins = {\n      estree,\n      jsx,\n      flow,\n      typescript,\n      v8intrinsic,\n      placeholders\n    };\n\n    const mixinPluginNames =\n    Object.keys(mixinPlugins);\n\n    const defaultOptions = {\n      sourceType: "script",\n      sourceFilename: undefined,\n      startLine: 1,\n      allowAwaitOutsideFunction: false,\n      allowReturnOutsideFunction: false,\n      allowImportExportEverywhere: false,\n      allowSuperOutsideMethod: false,\n      allowUndeclaredExports: false,\n      plugins: [],\n      strictMode: null,\n      ranges: false,\n      tokens: false,\n      createParenthesizedExpressions: false,\n      errorRecovery: false\n    };\n\n    function getOptions(opts) {\n      const options = {};\n\n      for (const key of\n      Object.keys(defaultOptions)) {\n        options[key] = opts && opts[key] != null ? opts[key] : defaultOptions[key];\n      }\n\n      return options;\n    }\n\n    class State {\n      constructor() {\n        this.strict = void 0;\n        this.curLine = void 0;\n      }\n    }\n  }\n\n  class\n  State {\n    constructor() {\n      this.strict = void 0;\n      this.curLine = void 0;\n    }\n  }\n}

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this.startLoc = void 0;\n this.endLoc = void 0;\n this.errors = [];\n this.potentialArrowAt = -1;\n
this.noArrowAt = [];\n this.noArrowParamsConversionAt = [];\n this.maybeInArrowParameters = false;\n
this.inPipeline = false;\n this.inType = false;\n this.noAnonFunctionType = false;\n this.inPropertyName =
false;\n this.hasFlowComment = false;\n this.isAmbientContext = false;\n this.inAbstractClass = false;\n
this.topicContext = {\n  maxNumOfResolvableTopics: 0,\n  maxTopicIndex: null\n };\n this.soloAwait =
false;\n this.inFSharpPipelineDirectBody = false;\n this.labels = [];\n this.decoratorStack = [[]];\n
this.comments = [];\n this.trailingComments = [];\n this.leadingComments = [];\n this.commentStack = [];\n
this.commentPreviousNode = null;\n this.pos = 0;\n this.lineStart = 0;\n this.type = types$1.eof;\n this.value
= null;\n this.start = 0;\n this.end = 0;\n this.lastTokEndLoc = null;\n this.lastTokStartLoc = null;\n
this.lastTokStart = 0;\n this.lastTokEnd = 0;\n this.context = [types.braceStatement];\n this.exprAllowed =
true;\n this.containsEsc = false;\n this.strictErrors = new Map();\n this.exportedIdentifiers = [];\n
this.tokensLength = 0;\n }\n\n init(options) {\n  this.strict = options.strictMode === false ? false :
options.sourceType === \"module\";\n  this.curLine = options.startLine;\n  this.startLoc = this.endLoc =
this.curPosition();\n }\n\n curPosition() {\n  return new Position(this.curLine, this.pos - this.lineStart);\n }\n\n
clone(skipArrays) {\n  const state = new State();\n  const keys = Object.keys(this);\n  for (let i = 0, length =
keys.length; i < length; i++) {\n    const key = keys[i];\n    let val = this[key];\n    if (!skipArrays &&
Array.isArray(val)) {\n      val = val.slice();\n    }\n    state[key] = val;\n  }\n  return state;\n }\n\n\n\n
_isDigit = function isDigit(code) {\n  return code >= 48 && code <= 57;\n };\n\nconst VALID_REGEX_FLAGS =
new Set([\"g\", \"m\", \"s\", \"i\", \"y\", \"u\"]);\nconst forbiddenNumericSeparatorSiblings = {\n  decBinOct: [46,
66, 69, 79, 95, 98, 101, 111],\n  hex: [46, 88, 95, 120]\n};\nconst allowedNumericSeparatorSiblings =
{\n  allowedNumericSeparatorSiblings.bin = [48, 49];\n  allowedNumericSeparatorSiblings.oct =
[...allowedNumericSeparatorSiblings.bin, 50, 51, 52, 53, 54, 55];\n  allowedNumericSeparatorSiblings.dec =
[...allowedNumericSeparatorSiblings.oct, 56, 57];\n  allowedNumericSeparatorSiblings.hex =
[...allowedNumericSeparatorSiblings.dec, 65, 66, 67, 68, 69, 70, 97, 98, 99, 100, 101, 102];\n}\n\nclass Token {\n
  constructor(state) {\n    this.type = state.type;\n    this.value = state.value;\n    this.start = state.start;\n    this.end =
state.end;\n    this.loc = new SourceLocation(state.startLoc, state.endLoc);\n  }\n}\n\nclass Tokenizer extends
ParserError {\n  constructor(options, input) {\n    super();\n    this.isLookahead = void 0;\n    this.tokens = [];\n
    this.state = new State();\n    this.state.init(options);\n    this.input = input;\n    this.length = input.length;\n
    this.isLookahead = false;\n  }\n\n  pushToken(token) {\n    this.tokens.length = this.state.tokensLength;\n
    this.tokens.push(token);\n    ++this.state.tokensLength;\n  }\n\n  next() {\n    if (!this.isLookahead) {\n
    this.checkKeywordEscapes();\n    if (this.options.tokens) {\n      this.pushToken(new Token(this.state));\n    }\n
    }\n    this.state.lastTokEnd = this.state.end;\n    this.state.lastTokStart = this.state.start;\n
    this.state.lastTokEndLoc = this.state.endLoc;\n    this.state.lastTokStartLoc = this.state.startLoc;\n
    this.nextToken();\n  }\n\n  eat(type) {\n    if (this.match(type)) {\n      this.next();\n      return true;\n    } else {\n
    return false;\n    }\n  }\n\n  match(type) {\n    return this.state.type === type;\n  }\n\n  lookahead() {\n    const old =
this.state;\n    this.state = old.clone(true);\n    this.isLookahead = true;\n    this.next();\n    this.isLookahead = false;\n
    const curr = this.state;\n    this.state = old;\n    return curr;\n  }\n\n  nextTokenStart() {\n    return
this.nextTokenStartSince(this.state.pos);\n  }\n\n  nextTokenStartSince(pos) {\n    skipWhiteSpace.lastIndex =
pos;\n    const skip = skipWhiteSpace.exec(this.input);\n    return pos + skip[0].length;\n  }\n\n  lookaheadCharCode() {\n
    return this.input.charCodeAtAt(this.nextTokenStart());\n  }\n\n  codePointAtPos(pos) {\n    let cp = this.input.charCodeAtAt(pos);\n    if ((cp & 0xfc00) === 0xd800 && ++pos < this.input.length) {\n      const
trail = this.input.charCodeAtAt(pos);\n      if ((trail & 0xfc00) === 0xdc00) {\n        cp = 0x10000 + ((cp & 0x3ff) <<
10) + (trail & 0x3ff);\n      }\n    }\n    return cp;\n  }\n\n  setStrict(strict) {\n    this.state.strict = strict;\n    if
(strict) {\n      this.state.strictErrors.forEach((message, pos) => this.raise(pos, message));\n    }\n
    this.state.strictErrors.clear();\n  }\n\n  curContext() {\n    return this.state.context[this.state.context.length -
1];\n  }\n\n  nextToken() {\n    const curContext = this.curContext();\n    if (!(curContext !== null &&
curContext.preserveSpace)) this.skipSpace();\n    this.state.start = this.state.pos;\n    this.state.startLoc =
this.state.curPosition();\n    if (this.state.pos >= this.length) {\n      this.finishToken(types$1.eof);\n      return;\n    }\n

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}\n\n  const override = curContext === null ? void 0 : curContext.override;\n\n  if (override) {\n
override(this);\n  } else {\n    this.getTokenFromCode(this.codePointAtPos(this.state.pos));\n  }\n}\n\n
pushComment(block, text, start, end, startLoc, endLoc) {\n  const comment = {\n    type: block ?
\"CommentBlock\" : \"CommentLine\", \n    value: text, \n    start: start, \n    end: end, \n    loc: new
SourceLocation(startLoc, endLoc)\n  }; \n  if (this.options.tokens) this.pushToken(comment);\n
this.state.comments.push(comment);\n  this.addComment(comment);\n}\n\n skipBlockComment() {\n  const
startLoc = this.state.curPosition(); \n  const start = this.state.pos; \n  const end = this.input.indexOf(\"*\n\",
this.state.pos + 2); \n  if (end === -1) throw this.raise(start, ErrorMessages.UnterminatedComment);\n
this.state.pos = end + 2; \n  lineBreakG.lastIndex = start; \n  let match;\n\n  while ((match =
lineBreakG.exec(this.input)) && match.index < this.state.pos) {\n    ++this.state.curLine; \n    this.state.lineStart =
match.index + match[0].length; \n  }\n\n  if (this.isLookahead) return;\n  this.pushComment(true,
this.input.slice(start + 2, end), start, this.state.pos, startLoc, this.state.curPosition());\n}\n\n
skipLineComment(startSkip) {\n  const start = this.state.pos; \n  const startLoc = this.state.curPosition(); \n  let ch
= this.input.charCodeAtAt(this.state.pos += startSkip);\n\n  if (this.state.pos < this.length) {\n    while
(!isNewLine(ch) && ++this.state.pos < this.length) {\n      ch = this.input.charCodeAtAt(this.state.pos);\n    }\n
}\n\n  if (this.isLookahead) return;\n  this.pushComment(false, this.input.slice(start + startSkip, this.state.pos),
start, this.state.pos, startLoc, this.state.curPosition());\n}\n\n skipSpace() {\n  loop: while (this.state.pos <
this.length) {\n    const ch = this.input.charCodeAtAt(this.state.pos);\n\n    switch (ch) {\n      case 32: \n      case
160: \n      case 9: \n      ++this.state.pos; \n      break;\n\n      case 13: \n      if
(this.input.charCodeAtAt(this.state.pos + 1) === 10) {\n        ++this.state.pos; \n      }\n\n      case 10: \n      case
8232: \n      case 8233: \n      ++this.state.pos; \n      ++this.state.curLine; \n      this.state.lineStart =
this.state.pos; \n      break;\n\n      case 47: \n      switch (this.input.charCodeAtAt(this.state.pos + 1)) {\n
case 42: \n        this.skipBlockComment(); \n        break;\n\n      case 47: \n
this.skipLineComment(2); \n        break;\n\n      default: \n        break loop; \n      }\n\n      break;\n\n
default: \n      if (isWhitespace(ch)) {\n        ++this.state.pos; \n      } else {\n        break loop; \n      }\n\n
}\n  }\n}\n\n finishToken(type, val) {\n  this.state.end = this.state.pos; \n  this.state.endLoc =
this.state.curPosition(); \n  const prevType = this.state.type; \n  this.state.type = type; \n  this.state.value = val; \n
if (!this.isLookahead) this.updateContext(prevType);\n}\n\n readToken_numberSign() {\n  if (this.state.pos ===
0 && this.readToken_interpreter()) {\n    return;\n  }\n\n  const nextPos = this.state.pos + 1; \n  const next =
this.codePointAtPos(nextPos);\n\n  if (next >= 48 && next <= 57) {\n    throw this.raise(this.state.pos,
ErrorMessages.UnexpectedDigitAfterHash);\n  }\n\n  if (next === 123 || next === 91 &&
this.hasPlugin(\"recordAndTuple\")) {\n    this.expectPlugin(\"recordAndTuple\");\n\n    if
(this.getPluginOption(\"recordAndTuple\", \"syntaxType\") !== \"hash\") {\n      throw this.raise(this.state.pos, next
=== 123 ? ErrorMessages.RecordExpressionHashIncorrectStartSyntaxType :
ErrorMessages.TupleExpressionHashIncorrectStartSyntaxType);\n    }\n\n    if (next === 123) {\n
this.finishToken(types$1.braceHashL);\n    } else {\n      this.finishToken(types$1.bracketHashL);\n    }\n\n
this.state.pos += 2; \n  } else if (isIdentifierStart(next)) {\n    ++this.state.pos; \n
this.finishToken(types$1.privateName, this.readWord1(next));\n  } else if (next === 92) {\n    ++this.state.pos; \n
this.finishToken(types$1.privateName, this.readWord1());\n  } else {\n    this.finishOp(types$1.hash, 1);\n  }\n}\n\n
readToken_dot() {\n  const next = this.input.charCodeAtAt(this.state.pos + 1);\n\n  if (next >= 48 && next <=
57) {\n    this.readNumber(true);\n    return;\n  }\n\n  if (next === 46 && this.input.charCodeAtAt(this.state.pos +
2) === 46) {\n    this.state.pos += 3; \n    this.finishToken(types$1.ellipsis);\n  } else {\n    ++this.state.pos; \n
this.finishToken(types$1.dot);\n  }\n}\n\n readToken_slash() {\n  if (this.state.exprAllowed &&
!this.state.inType) {\n    ++this.state.pos; \n    this.readRegexp(); \n    return;\n  }\n\n  const next =
this.input.charCodeAtAt(this.state.pos + 1);\n\n  if (next === 61) {\n    this.finishOp(types$1.assign, 2);\n  } else
{\n    this.finishOp(types$1.slash, 1);\n  }\n}\n\n readToken_interpreter() {\n  if (this.state.pos !== 0 ||
this.length < 2) return false; \n  let ch = this.input.charCodeAtAt(this.state.pos + 1); \n  if (ch !== 33) return false; \n
const start = this.state.pos; \n  this.state.pos += 1; \n\n  while (!isNewLine(ch) && ++this.state.pos < this.length)

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{\n  ch = this.input.charCodeAt(this.state.pos);\n  }\n\n  const value = this.input.slice(start + 2, this.state.pos);\n  this.finishToken(types$1.interpreterDirective, value);\n  return true;\n  }\n\n  readToken_mult_modulo(code) {\n  let type = code === 42 ? types$1.star : types$1.modulo;\n  let width = 1;\n  let next = this.input.charCodeAt(this.state.pos + 1);\n  const exprAllowed = this.state.exprAllowed;\n\n  if (code === 42 && next === 42) {\n    width++;\n    next = this.input.charCodeAt(this.state.pos + 2);\n    type = types$1.exponent;\n  }\n\n  if (next === 61 && !exprAllowed) {\n    width++;\n    type = types$1.assign;\n  }\n\n  this.finishOp(type, width);\n  }\n\n  readToken_pipe_amp(code) {\n  const next = this.input.charCodeAt(this.state.pos + 1);\n\n  if (next === code) {\n    if (this.input.charCodeAt(this.state.pos + 2) === 61) {\n      this.finishOp(types$1.assign, 3);\n    } else {\n      this.finishOp(code === 124 ? types$1.logicalOR : types$1.logicalAND, 2);\n    }\n\n    return;\n  }\n\n  if (code === 124) {\n    if (next === 62) {\n      this.finishOp(types$1.pipeline, 2);\n      return;\n    }\n\n    if (this.hasPlugin("recordAndTuple") && next === 125) {\n      if (this.getPluginOption("recordAndTuple", "syntaxType") !== "bar") {\n        throw this.raise(this.state.pos, ErrorMessages.RecordExpressionBarIncorrectEndSyntaxType);\n      }\n\n      this.finishOp(types$1.braceBarR, 2);\n      return;\n    }\n\n    if (this.hasPlugin("recordAndTuple") && next === 93) {\n      if (this.getPluginOption("recordAndTuple", "syntaxType") !== "bar") {\n        throw this.raise(this.state.pos, ErrorMessages.TupleExpressionBarIncorrectEndSyntaxType);\n      }\n\n      this.finishOp(types$1.bracketBarR, 2);\n      return;\n    }\n\n    if (next === 61) {\n      this.finishOp(types$1.assign, 2);\n      return;\n    }\n\n    this.finishOp(code === 124 ? types$1.bitwiseOR : types$1.bitwiseAND, 1);\n  }\n\n  readToken_caret() {\n  const next = this.input.charCodeAt(this.state.pos + 1);\n\n  if (next === 61) {\n    this.finishOp(types$1.assign, 2);\n  } else {\n    this.finishOp(types$1.bitwiseXOR, 1);\n  }\n\n  }\n\n  readToken_plus_min(code) {\n  const next = this.input.charCodeAt(this.state.pos + 1);\n\n  if (next === code) {\n    if (next === 45 && !this.inModule && this.input.charCodeAt(this.state.pos + 2) === 62 && (this.state.lastTokEnd === 0 || this.hasPrecedingLineBreak())) {\n      this.skipLineComment(3);\n      this.skipSpace();\n      this.nextToken();\n      return;\n    }\n\n    this.finishOp(types$1.incDec, 2);\n    return;\n  }\n\n  if (next === 61) {\n    this.finishOp(types$1.assign, 2);\n  } else {\n    this.finishOp(types$1.plusMin, 1);\n  }\n  }\n\n  readToken_lt_gt(code) {\n  const next = this.input.charCodeAt(this.state.pos + 1);\n  let size = 1;\n\n  if (next === code) {\n    size = code === 62 && this.input.charCodeAt(this.state.pos + 2) === 62 ? 3 : 2;\n\n    if (this.input.charCodeAt(this.state.pos + size) === 61) {\n      this.finishOp(types$1.assign, size + 1);\n      return;\n    }\n\n    this.finishOp(types$1.bitShift, size);\n    return;\n  }\n\n  if (next === 33 && code === 60 && !this.inModule && this.input.charCodeAt(this.state.pos + 2) === 45 && this.input.charCodeAt(this.state.pos + 3) === 45) {\n    this.skipLineComment(4);\n    this.skipSpace();\n    this.nextToken();\n    return;\n  }\n\n  if (next === 61) {\n    size = 2;\n  }\n\n  this.finishOp(types$1.relational, size);\n  }\n\n  readToken_eq_excl(code) {\n  const next = this.input.charCodeAt(this.state.pos + 1);\n\n  if (next === 61) {\n    this.finishOp(types$1.equality, this.input.charCodeAt(this.state.pos + 2) === 61 ? 3 : 2);\n    return;\n  }\n\n  if (code === 61 && next === 62) {\n    this.state.pos += 2;\n    this.finishToken(types$1.arrow);\n    return;\n  }\n\n  this.finishOp(code === 61 ? types$1.eq : types$1.bang, 1);\n  }\n\n  readToken_question() {\n  const next = this.input.charCodeAt(this.state.pos + 1);\n  const next2 = this.input.charCodeAt(this.state.pos + 2);\n\n  if (next === 63) {\n    if (next2 === 61) {\n      this.finishOp(types$1.assign, 3);\n    } else {\n      this.finishOp(types$1.nullishCoalescing, 2);\n    }\n  } else if (next === 46 && !(next2 >= 48 && next2 <= 57)) {\n    this.state.pos += 2;\n    this.finishToken(types$1.questionDot);\n  } else {\n    ++this.state.pos;\n    this.finishToken(types$1.question);\n  }\n  }\n\n  getTokenFromCode(code) {\n  switch (code) {\n    case 46:\n      this.readToken_dot();\n      return;\n\n    case 40:\n      ++this.state.pos;\n      this.finishToken(types$1.parenL);\n      return;\n\n    case 41:\n      ++this.state.pos;\n      this.finishToken(types$1.parenR);\n      return;\n\n    case 59:\n      ++this.state.pos;\n      this.finishToken(types$1.semi);\n      return;\n\n    case 44:\n      ++this.state.pos;\n      this.finishToken(types$1.comma);\n      return;\n\n    case 91:\n      if (this.hasPlugin("recordAndTuple") && this.input.charCodeAt(this.state.pos + 1) === 124) {\n        if (this.getPluginOption("recordAndTuple",

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"syntaxType\) !== \"bar\)\" {\n      throw this.raise(this.state.pos,
ErrorMessages.TupleExpressionBarIncorrectStartSyntaxType);\n      }\n\nthis.finishToken(types$1.bracketBarL);\n      this.state.pos += 2;\n      } else {\n      ++this.state.pos;\nthis.finishToken(types$1.bracketL);\n      }\n\n      return;\n\n      case 93:\n      ++this.state.pos;\nthis.finishToken(types$1.bracketR);\n      return;\n\n      case 123:\n      if (this.hasPlugin(\"recordAndTuple\)\" &&
this.input.charCodeAt(this.state.pos + 1) === 124) {\n      if (this.getPluginOption(\"recordAndTuple\",
\"syntaxType\)\" !== \"bar\)\" {\n      throw this.raise(this.state.pos,
ErrorMessages.RecordExpressionBarIncorrectStartSyntaxType);\n      }\n\nthis.finishToken(types$1.braceBarL);\n      this.state.pos += 2;\n      } else {\n      ++this.state.pos;\nthis.finishToken(types$1.braceL);\n      }\n\n      return;\n\n      case 125:\n      ++this.state.pos;\nthis.finishToken(types$1.braceR);\n      return;\n\n      case 58:\n      if (this.hasPlugin(\"functionBind\)\" &&
this.input.charCodeAt(this.state.pos + 1) === 58) {\n      this.finishOp(types$1.doubleColon, 2);\n      } else {\n      ++this.state.pos;\n      this.finishToken(types$1.colon);\n      }\n\n      return;\n\n      case 63:\nthis.readToken_question();\n      return;\n\n      case 96:\n      ++this.state.pos;\nthis.finishToken(types$1.backQuote);\n      return;\n\n      case 48:\n      {\n      const next =
this.input.charCodeAt(this.state.pos + 1);\n\n      if (next === 120 || next === 88) {\n
this.readRadixNumber(16);\n      return;\n      }\n\n      if (next === 111 || next === 79) {\n
this.readRadixNumber(8);\n      return;\n      }\n\n      if (next === 98 || next === 66) {\n
this.readRadixNumber(2);\n      return;\n      }\n\n      }\n\n      case 49:\n      case 50:\n      case 51:\n      case
52:\n      case 53:\n      case 54:\n      case 55:\n      case 56:\n      case 57:\n      this.readNumber(false);\n
return;\n\n      case 34:\n      case 39:\n      this.readString(code);\n      return;\n\n      case 47:\n
this.readToken_slash();\n      return;\n\n      case 37:\n      case 42:\n      this.readToken_mult_modulo(code);\n
return;\n\n      case 124:\n      case 38:\n      this.readToken_pipe_amp(code);\n      return;\n\n      case 94:\n
this.readToken_caret();\n      return;\n\n      case 43:\n      case 45:\n      this.readToken_plus_min(code);\n
return;\n\n      case 60:\n      case 62:\n      this.readToken_lt_gt(code);\n      return;\n\n      case 61:\n      case 33:\n
this.readToken_eq_excl(code);\n      return;\n\n      case 126:\n      this.finishOp(types$1.tilde, 1);\n
return;\n\n      case 64:\n      ++this.state.pos;\n      this.finishToken(types$1.at);\n      return;\n\n      case 35:\n
this.readToken_numberSign();\n      return;\n\n      case 92:\n      this.readWord();\n      return;\n\n      default:\n
if (isIdentifierStart(code)) {\n      this.readWord(code);\n      return;\n      }\n\n      }\n\n      throw
this.raise(this.state.pos, ErrorMessages.InvalidOrUnexpectedToken, String.fromCodePoint(code));\n      }\n\nfinishOp(type, size) {\n      const str = this.input.slice(this.state.pos, this.state.pos + size);\n      this.state.pos += size;\n
this.finishToken(type, str);\n      }\n\n      readRegExp() {\n      const start = this.state.pos;\n      let escaped, inClass;\n      for
(;;) {\n      if (this.state.pos >= this.length) {\n      throw this.raise(start, ErrorMessages.UnterminatedRegExp);\n
}\n\n      const ch = this.input.charAt(this.state.pos);\n\n      if (lineBreak.test(ch)) {\n      throw this.raise(start,
ErrorMessages.UnterminatedRegExp);\n      }\n\n      if (escaped) {\n      escaped = false;\n      } else {\n      if (ch
=== \"[\") {\n      inClass = true;\n      } else if (ch === \"]\" && inClass) {\n      inClass = false;\n      } else if
(ch === \"^\" && !inClass) {\n      break;\n      }\n\n      escaped = ch === \"\\\\\\\\\";\n      }\n\n      ++this.state.pos;\n      }\n\n      const content = this.input.slice(start, this.state.pos);\n      ++this.state.pos;\n      let mods =
\"\";\n\n      while (this.state.pos < this.length) {\n      const char = this.input[this.state.pos];\n      const charCode =
this.codePointAtPos(this.state.pos);\n\n      if (VALID_REGEX_FLAGS.has(char)) {\n      if (mods.indexOf(char)
> -1) {\n      this.raise(this.state.pos + 1, ErrorMessages.DuplicateRegExpFlags);\n      }\n      } else if
(isIdentifierChar(charCode) || charCode === 92) {\n      this.raise(this.state.pos + 1,
ErrorMessages.MalformedRegExpFlags);\n      } else {\n      break;\n      }\n\n      ++this.state.pos;\n      mods +=
char;\n      }\n\n      this.finishToken(types$1.regexp, {\n      pattern: content,\n      flags: mods\n      });\n      }\n\n      readInt(radix, len, forceLen, allowNumSeparator = true) {\n      const start = this.state.pos;\n      const
forbiddenSiblings = radix === 16 ? forbiddenNumericSeparatorSiblings.hex :
forbiddenNumericSeparatorSiblings.decBinOct;\n      const allowedSiblings = radix === 16 ?
allowedNumericSeparatorSiblings.hex : radix === 10 ? allowedNumericSeparatorSiblings.dec : radix === 8 ?

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allowedNumericSeparatorSiblings.oct : allowedNumericSeparatorSiblings.bin;\n  let invalid = false;\n  let total =
0;\n\n  for (let i = 0, e = len == null ? Infinity : len; i < e; ++i) {\n    const code =
this.input.charCodeAt(this.state.pos);\n    let val;\n\n    if (code === 95) {\n      const prev =
this.input.charCodeAt(this.state.pos - 1);\n      const next = this.input.charCodeAt(this.state.pos + 1);\n      if
(allowedSiblings.indexOf(next) === -1) {\n        this.raise(this.state.pos,
ErrorMessages.UnexpectedNumericSeparator);\n      } else if (forbiddenSiblings.indexOf(prev) > -1 ||
forbiddenSiblings.indexOf(next) > -1 || Number.isNaN(next)) {\n        this.raise(this.state.pos,
ErrorMessages.UnexpectedNumericSeparator);\n      }\n\n      if (!allowNumSeparator) {\n
this.raise(this.state.pos, ErrorMessages.NumericSeparatorInEscapeSequence);\n      }\n\n      ++this.state.pos;\n
continue;\n    }\n\n    if (code >= 97) {\n      val = code - 97 + 10;\n    } else if (code >= 65) {\n      val = code
- 65 + 10;\n    } else if (_isDigit(code)) {\n      val = code - 48;\n    } else {\n      val = Infinity;\n    }\n\n    if
(val >= radix) {\n      if (this.options.errorRecovery && val <= 9) {\n        val = 0;\n        this.raise(this.state.start
+ i + 2, ErrorMessages.InvalidDigit, radix);\n      } else if (forceLen) {\n        val = 0;\n        invalid = true;\n
      } else {\n        break;\n      }\n    }\n\n    ++this.state.pos;\n    total = total * radix + val;\n  }\n\n  if
(this.state.pos === start || len != null && this.state.pos - start !== len || invalid) {\n    return null;\n  }\n\n  return
total;\n}\n\nreadRadixNumber(radix) {\n  const start = this.state.pos;\n  let isBigInt = false;\n  this.state.pos
+= 2;\n  const val = this.readInt(radix);\n\n  if (val == null) {\n    this.raise(this.state.start + 2,
ErrorMessages.InvalidDigit, radix);\n  }\n\n  const next = this.input.charCodeAt(this.state.pos);\n\n  if (next ===
110) {\n    ++this.state.pos;\n    isBigInt = true;\n  } else if (next === 109) {\n    throw this.raise(start,
ErrorMessages.InvalidDecimal);\n  }\n\n  if (isIdentifierStart(this.codePointAtPos(this.state.pos))) {\n    throw
this.raise(this.state.pos, ErrorMessages.NumberIdentifier);\n  }\n\n  if (isBigInt) {\n    const str =
this.input.slice(start, this.state.pos).replace(/[_n]/g, "");\n    this.finishToken(types$1.bigint, str);\n    return;\n
  }\n\n  this.finishToken(types$1.num, val);\n}\n\nreadNumber(startsWithDot) {\n  const start = this.state.pos;\n
let isFloat = false;\n  let isBigInt = false;\n  let isDecimal = false;\n  let hasExponent = false;\n  let isOctal =
false;\n\n  if (!startsWithDot && this.readInt(10) === null) {\n    this.raise(start,
ErrorMessages.InvalidNumber);\n  }\n\n  const hasLeadingZero = this.state.pos - start >= 2 &&
this.input.charCodeAt(start) === 48;\n\n  if (hasLeadingZero) {\n    const integer = this.input.slice(start,
this.state.pos);\n    this.recordStrictModeErrors(start, ErrorMessages.StrictOctalLiteral);\n\n    if (!this.state.strict)
{\n      const underscorePos = integer.indexOf("_");\n\n      if (underscorePos > 0) {\n
this.raise(underscorePos + start, ErrorMessages.ZeroDigitNumericSeparator);\n      }\n    }\n\n    isOctal =
hasLeadingZero && !/[89]/.test(integer);\n  }\n\n  let next = this.input.charCodeAt(this.state.pos);\n\n  if (next
=== 46 && !isOctal) {\n    ++this.state.pos;\n    this.readInt(10);\n    isFloat = true;\n    next =
this.input.charCodeAt(this.state.pos);\n  }\n\n  if ((next === 69 || next === 101) && !isOctal) {\n    next =
this.input.charCodeAt(++this.state.pos);\n\n    if (next === 43 || next === 45) {\n      ++this.state.pos;\n    }\n\n
if (this.readInt(10) === null) {\n      this.raise(start, ErrorMessages.InvalidOrMissingExponent);\n    }\n\n    isFloat = true;\n    hasExponent = true;\n    next = this.input.charCodeAt(this.state.pos);\n  }\n\n  if (next ===
110) {\n    if (isFloat || hasLeadingZero) {\n      this.raise(start, ErrorMessages.InvalidBigIntLiteral);\n    }\n\n
    ++this.state.pos;\n    isBigInt = true;\n  }\n\n  if (next === 109) {\n    this.expectPlugin("decimal",
this.state.pos);\n\n    if (hasExponent || hasLeadingZero) {\n      this.raise(start, ErrorMessages.InvalidDecimal);\n
    }\n\n    ++this.state.pos;\n    isDecimal = true;\n  }\n\n  if
(isIdentifierStart(this.codePointAtPos(this.state.pos))) {\n    throw this.raise(this.state.pos,
ErrorMessages.NumberIdentifier);\n  }\n\n  const str = this.input.slice(start, this.state.pos).replace(/[_mn]/g,
"");\n\n  if (isBigInt) {\n    this.finishToken(types$1.bigint, str);\n    return;\n  }\n\n  if (isDecimal) {\n
this.finishToken(types$1.decimal, str);\n    return;\n  }\n\n  const val = isOctal ? parseInt(str, 8) :
parseFloat(str);\n  this.finishToken(types$1.num, val);\n}\n\nreadCodePoint(throwOnInvalid) {\n  const ch =
this.input.charCodeAt(this.state.pos);\n  let code;\n\n  if (ch === 123) {\n    const codePos = ++this.state.pos;\n
code = this.readHexChar(this.input.indexOf("\\\"", this.state.pos) - this.state.pos, true, throwOnInvalid);\n
    ++this.state.pos;\n\n    if (code !== null && code > 0x10ffff) {\n      if (throwOnInvalid) {\n

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this.raise(codePos, ErrorMessages.InvalidCodePoint);\n    } else {\n        return null;\n    }\n    } else {\n        code = this.readHexChar(4, false, throwOnInvalid);\n    }\n    return code;\n}\n\nreadString(quote) {\n    let\n        out = \"\",\n        chunkStart = ++this.state.pos;\n\n    for (;;) {\n        if (this.state.pos >= this.length) {\n            throw\n                this.raise(this.state.start, ErrorMessages.UnterminatedString);\n        }\n        const ch =\n            this.input.charCodeAt(this.state.pos);\n        if (ch === quote) break;\n        if (ch === 92) {\n            out +=\n                this.input.slice(chunkStart, this.state.pos);\n            out += this.readEscapedChar(false);\n            chunkStart =\n                this.state.pos;\n        } else if (ch === 8232 || ch === 8233) {\n            ++this.state.pos;\n            ++this.state.curLine;\n            this.state.lineStart = this.state.pos;\n        } else if (isNewLine(ch)) {\n            throw this.raise(this.state.start,\n                ErrorMessages.UnterminatedString);\n        } else {\n            ++this.state.pos;\n        }\n    }\n\n    out +=\n        this.input.slice(chunkStart, this.state.pos++);\n    this.finishToken(types$1.string, out);\n}\n\nreadTplToken()\n{\n    let out = \"\",\n        chunkStart = this.state.pos,\n        containsInvalid = false;\n\n    for (;;) {\n        if\n            (this.state.pos >= this.length) {\n                throw this.raise(this.state.start, ErrorMessages.UnterminatedTemplate);\n            }\n\n        const ch = this.input.charCodeAt(this.state.pos);\n        if (ch === 96 || ch === 36 &&\n            this.input.charCodeAt(this.state.pos + 1) === 123) {\n            if (this.state.pos === this.state.start &&\n                this.match(types$1.template)) {\n                if (ch === 36) {\n                    this.state.pos += 2;\n                    this.finishToken(types$1.dollarBraceL);\n                    return;\n                } else {\n                    ++this.state.pos;\n                    this.finishToken(types$1.backQuote);\n                    return;\n                }\n            }\n\n            out += this.input.slice(chunkStart,\n                this.state.pos);\n            this.finishToken(types$1.template, containsInvalid ? null : out);\n            return;\n        }\n\n        if\n            (ch === 92) {\n                out += this.input.slice(chunkStart, this.state.pos);\n                const escaped =\n                    this.readEscapedChar(true);\n                if (escaped === null) {\n                    containsInvalid = true;\n                } else {\n                    out\n                        += escaped;\n                }\n                chunkStart = this.state.pos;\n            } else if (isNewLine(ch)) {\n                out +=\n                    this.input.slice(chunkStart, this.state.pos);\n                ++this.state.pos;\n                switch (ch) {\n                    case 13:\n                        if\n                            (this.input.charCodeAt(this.state.pos) === 10) {\n                                ++this.state.pos;\n                            }\n                        case 10:\n                            out\n                                += \"\\n\";\n                            break;\n                        default:\n                            out += String.fromCharCode(ch);\n                            break;\n                }\n                ++this.state.curLine;\n                this.state.lineStart = this.state.pos;\n                chunkStart = this.state.pos;\n            } else {\n                ++this.state.pos;\n            }\n        }\n    }\n\n    recordStrictModeErrors(pos, message) {\n        if (this.state.strict &&\n            !this.state.strictErrors.has(pos)) {\n            this.raise(pos, message);\n        } else {\n            this.state.strictErrors.set(pos,\n                message);\n        }\n    }\n\n    readEscapedChar(inTemplate) {\n        const throwOnInvalid = !inTemplate;\n        const ch =\n            this.input.charCodeAt(++this.state.pos);\n        ++this.state.pos;\n        switch (ch) {\n            case 110:\n                return\n                    \"\\n\";\n            case 114:\n                return\n                    \"\\r\";\n            case 120:\n                {\n                    const code = this.readHexChar(2, false,\n                        throwOnInvalid);\n                    return code === null ? null : String.fromCharCode(code);\n                }\n            case 117:\n                {\n                    const code = this.readCodePoint(throwOnInvalid);\n                    return code === null ? null :\n                        String.fromCharCode(code);\n                }\n            case 116:\n                return\n                    \"\\t\";\n            case 98:\n                return\n                    \"\\b\";\n            case 118:\n                return\n                    \"\\u000b\";\n            case 102:\n                return\n                    \"\\f\";\n            case 13:\n                if\n                    (this.input.charCodeAt(this.state.pos) === 10) {\n                        ++this.state.pos;\n                    }\n                case 10:\n                    this.state.lineStart = this.state.pos;\n                    ++this.state.curLine;\n                case 8232:\n                case 8233:\n                    return\n                        \"\";\n                case 56:\n                case 57:\n                    if (inTemplate) {\n                        return null;\n                    } else {\n                        this.recordStrictModeErrors(this.state.pos - 1,\n                            ErrorMessages.StrictNumericEscape);\n                    }\n                default:\n                    if\n                        (ch >= 48 && ch <= 55) {\n                            const codePos = this.state.pos - 1;\n                            const match =\n                                this.input.substr(this.state.pos - 1, 3).match(/^[0-7]+/);\n                            let octalStr = match[0];\n                            let octal =\n                                parseInt(octalStr, 8);\n                            if (octal > 255) {\n                                octalStr = octalStr.slice(0, -1);\n                                octal =\n                                    parseInt(octalStr, 8);\n                            }\n                            this.state.pos += octalStr.length - 1;\n                            const next =\n                                this.input.charCodeAt(this.state.pos);\n                            if (octalStr !== \"0\" || next === 56 || next === 57) {\n                                if\n                                    (inTemplate) {\n                                        return null;\n                                    } else {\n                                        this.recordStrictModeErrors(codePos,\n                                            ErrorMessages.StrictNumericEscape);\n                                    }\n                                }\n                                return String.fromCharCode(octal);\n                            }\n                            return String.fromCharCode(ch);\n                        }\n        }\n    }\n\n    readHexChar(len, forceLen, throwOnInvalid) {\n        const\n            codePos = this.state.pos;\n        const n = this.readInt(16, len, forceLen, false);\n        if (n === null) {\n            if\n                (throwOnInvalid) {\n                    this.raise(codePos, ErrorMessages.InvalidEscapeSequence);\n                } else {\n                    return null;\n                }\n        }\n    }\n}

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this.state.pos = codePos - 1;\n    }\n    }\n    return n;\n    }\n    readWord1(firstCode) {\n    this.state.containsEsc =
false;\n    let word = \"\";\n    const start = this.state.pos;\n    let chunkStart = this.state.pos;\n    if (firstCode !==
undefined) {\n    this.state.pos += firstCode <= 0xffff ? 1 : 2;\n    }\n    while (this.state.pos < this.length) {\n
const ch = this.codePointAtPos(this.state.pos);\n    if (isIdentifierChar(ch)) {\n    this.state.pos += ch <= 0xffff
? 1 : 2;\n    } else if (ch === 92) {\n    this.state.containsEsc = true;\n    word += this.input.slice(chunkStart,
this.state.pos);\n    const escStart = this.state.pos;\n    const identifierCheck = this.state.pos === start ?
isIdentifierStart : isIdentifierChar;\n    if (this.input.charCodeAt(++this.state.pos) !== 117) {\n
this.raise(this.state.pos, ErrorMessages.MissingUnicodeEscape);\n    chunkStart = this.state.pos - 1;\n
continue;\n    }\n    ++this.state.pos;\n    const esc = this.readCodePoint(true);\n    if (esc !== null) {\n
if (!identifierCheck(esc)) {\n    this.raise(escStart, ErrorMessages.EscapedCharNotAnIdentifier);\n
}\n    word += String.fromCodePoint(esc);\n    }\n    chunkStart = this.state.pos;\n    } else {\n
break;\n    }\n    }\n    return word + this.input.slice(chunkStart, this.state.pos);\n    }\n    readWord(firstCode) {\n
const word = this.readWord1(firstCode);\n    const type = keywords$1.get(word) || types$1.name;\n
this.finishToken(type, word);\n    }\n    checkKeywordEscapes() {\n    const kw = this.state.type.keyword;\n    if
(kw && this.state.containsEsc) {\n    this.raise(this.state.start, ErrorMessages.InvalidEscapedReservedWord,
kw);\n    }\n    }\n    braceIsBlock(prevType) {\n    const parent = this.curContext();\n    if (parent ===
types.functionExpression || parent === types.functionStatement) {\n    return true;\n    }\n    if (prevType ===
types$1.colon && (parent === types.braceStatement || parent === types.braceExpression)) {\n    return
!parent.isExpr;\n    }\n    if (prevType === types$1._return || prevType === types$1.name &&
this.state.exprAllowed) {\n    return this.hasPrecedingLineBreak();\n    }\n    if (prevType === types$1._else ||
prevType === types$1.semi || prevType === types$1.eof || prevType === types$1.parenR || prevType ===
types$1.arrow) {\n    return true;\n    }\n    if (prevType === types$1.braceL) {\n    return parent ===
types.braceStatement;\n    }\n    if (prevType === types$1._var || prevType === types$1._const || prevType ===
types$1.name) {\n    return false;\n    }\n    if (prevType === types$1.relational) {\n    return true;\n    }\n
return !this.state.exprAllowed;\n    }\n    updateContext(prevType) {\n    const type = this.state.type;\n    let
update;\n    if (type.keyword && (prevType === types$1.dot || prevType === types$1.questionDot)) {\n
this.state.exprAllowed = false;\n    } else if (update = type.updateContext) {\n    update.call(this, prevType);\n
} else {\n    this.state.exprAllowed = type.beforeExpr;\n    }\n    }\n    }\n    class ClassScope {\n    constructor() {\n
this.privateNames = new Set();\n    this.loneAccessors = new Map();\n    this.undefinedPrivateNames = new
Map();\n    }\n    }\n    class ClassScopeHandler {\n    constructor(raise) {\n    this.stack = [];\n
this.undefinedPrivateNames = new Map();\n    this.raise = raise;\n    }\n    current() {\n    return
this.stack[this.stack.length - 1];\n    }\n    enter() {\n    this.stack.push(new ClassScope());\n    }\n    exit() {\n    const
oldClassScope = this.stack.pop();\n    const current = this.current();\n    for (const [name, pos] of
Array.from(oldClassScope.undefinedPrivateNames)) {\n    if (current) {\n    if
(!current.undefinedPrivateNames.has(name)) {\n    current.undefinedPrivateNames.set(name, pos);\n    }\n
} else {\n    this.raise(pos, ErrorMessages.InvalidPrivateFieldResolution, name);\n    }\n    }\n    }\n
declarePrivateName(name, elementType, pos) {\n    const classScope = this.current();\n    let redefined =
classScope.privateNames.has(name);\n    if (elementType & CLASS_ELEMENT_KIND_ACCESSOR) {\n
const accessor = redefined && classScope.loneAccessors.get(name);\n    if (accessor) {\n    const oldStatic =
accessor & CLASS_ELEMENT_FLAG_STATIC;\n    const newStatic = elementType &
CLASS_ELEMENT_FLAG_STATIC;\n    const oldKind = accessor &
CLASS_ELEMENT_KIND_ACCESSOR;\n    const newKind = elementType &
CLASS_ELEMENT_KIND_ACCESSOR;\n    redefined = oldKind === newKind || oldStatic !== newStatic;\n
if (!redefined) classScope.loneAccessors.delete(name);\n    } else if (!redefined) {\n
classScope.loneAccessors.set(name, elementType);\n    }\n    }\n    if (redefined) {\n    this.raise(pos,
ErrorMessages.PrivateNameRedeclaration, name);\n    }\n    classScope.privateNames.add(name);\n
classScope.undefinedPrivateNames.delete(name);\n    }\n    usePrivateName(name, pos) {\n    let classScope;\n
for (classScope of this.stack) {\n    if (classScope.privateNames.has(name)) return;\n    }\n    if (classScope) {\n

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classScope.undefinedPrivateNames.set(name, pos);\n } else {\n   this.raise(pos,
ErrorMessages.InvalidPrivateFieldResolution, name);\n } }\n\nconst kExpression = 0,\n  kMaybeArrowParameterDeclaration = 1,\n  kMaybeAsyncArrowParameterDeclaration = 2,\n  kParameterDeclaration = 3;\n\nclass ExpressionScope {\n  constructor(type = kExpression) {\n    this.type = void 0;\n    this.type = type;\n  }\n  canBeArrowParameterDeclaration() {\n    return this.type === kMaybeArrowParameterDeclaration || this.type === kMaybeAsyncArrowParameterDeclaration;\n  }\n  isCertainlyParameterDeclaration() {\n    return this.type === kParameterDeclaration;\n  }\n}\n\nclass ArrowHeadParsingScope extends ExpressionScope {\n  constructor(type) {\n    super(type);\n    this.errors = new Map();\n  }\n  recordDeclarationError(pos, template) {\n    this.errors.set(pos, template);\n  }\n  clearDeclarationError(pos) {\n    this.errors.delete(pos);\n  }\n  iterateErrors(iterator) {\n    this.errors.forEach(iterator);\n  }\n}\n\nclass ExpressionScopeHandler {\n  constructor(raise) {\n    this.stack = [new ExpressionScope()];\n    this.raise = raise;\n  }\n  enter(scope) {\n    this.stack.push(scope);\n  }\n  exit() {\n    this.stack.pop();\n  }\n  recordParameterInitializerError(pos, template) {\n    const { stack } = this;\n    let i = stack.length - 1;\n    let scope = stack[i];\n    while (!scope.isCertainlyParameterDeclaration()) {\n      if (scope.canBeArrowParameterDeclaration()) {\n        scope.recordDeclarationError(pos, template);\n      } else {\n        return;\n      }\n      scope = stack[--i];\n    }\n    this.raise(pos, template);\n  }\n  recordParenthesizedIdentifierError(pos, template) {\n    const { stack } = this;\n    const scope = stack[stack.length - 1];\n    if (scope.isCertainlyParameterDeclaration()) {\n      this.raise(pos, template);\n    } else if (scope.canBeArrowParameterDeclaration()) {\n      scope.recordDeclarationError(pos, template);\n    } else {\n      return;\n    }\n  }\n  recordAsyncArrowParametersError(pos, template) {\n    const { stack } = this;\n    let i = stack.length - 1;\n    let scope = stack[i];\n    while (scope.canBeArrowParameterDeclaration()) {\n      if (scope.type === kMaybeAsyncArrowParameterDeclaration) {\n        scope.recordDeclarationError(pos, template);\n      }\n      scope = stack[--i];\n    }\n  }\n  validateAsPattern() {\n    const { stack } = this;\n    const currentScope = stack[stack.length - 1];\n    if (!currentScope.canBeArrowParameterDeclaration()) return;\n    currentScope.iterateErrors((template, pos) => {\n      this.raise(pos, template);\n      let i = stack.length - 2;\n      let scope = stack[i];\n      while (scope.canBeArrowParameterDeclaration()) {\n        scope.clearDeclarationError(pos);\n        scope = stack[--i];\n      }\n    });\n  }\n}\n\nfunction newParameterDeclarationScope() {\n  return new ExpressionScope(kParameterDeclaration);\n}\n\nfunction newArrowHeadScope() {\n  return new ArrowHeadParsingScope(kMaybeArrowParameterDeclaration);\n}\n\nfunction newAsyncArrowScope() {\n  return new ArrowHeadParsingScope(kMaybeAsyncArrowParameterDeclaration);\n}\n\nfunction newExpressionScope() {\n  return new ExpressionScope();\n}\n\nclass UtilParser extends Tokenizer {\n  addExtra(node, key, val) {\n    if (!node) return;\n    const extra = node.extra = node.extra || {};\n    extra[key] = val;\n  }\n  isRelational(op) {\n    return this.match(types$1.relational) && this.state.value === op;\n  }\n  expectRelational(op) {\n    if (this.isRelational(op)) {\n      this.next();\n    } else {\n      this.unexpected(null, types$1.relational);\n    }\n  }\n  isContextual(name) {\n    return this.match(types$1.name) && this.state.value === name && !this.state.containsEsc;\n  }\n  isUnparsedContextual(nameStart, name) {\n    const nameEnd = nameStart + name.length;\n    return this.input.slice(nameStart, nameEnd) === name && (nameEnd === this.input.length || !isIdentifierChar(this.input.charCodeAt(nameEnd)));\n  }\n  isLookaheadContextual(name) {\n    const next = this.nextTokenStart();\n    return this.isUnparsedContextual(next, name);\n  }\n  eatContextual(name) {\n    return this.isContextual(name) && this.eat(types$1.name);\n  }\n  expectContextual(name, template) {\n    if (!this.eatContextual(name)) {\n      this.unexpected(null, template);\n    }\n  }\n  canInsertSemicolon() {\n    return this.match(types$1.eof) || this.match(types$1.braceR) || this.hasPrecedingLineBreak();\n  }\n  hasPrecedingLineBreak() {\n    return lineBreak.test(this.input.slice(this.state.lastTokEnd, this.state.start));\n  }\n  hasFollowingLineBreak() {\n    return lineBreak.test(this.input.slice(this.state.end, this.nextTokenStart());\n  }\n  isLineTerminator() {\n    return this.eat(types$1.semi) || this.canInsertSemicolon();\n  }\n  semicolon(allowAsi = true) {\n    if (allowAsi ? this.isLineTerminator() : this.eat(types$1.semi)) return;\n    this.raise(this.state.lastTokEnd, ErrorMessages.MissingSemicolon);\n  }\n  expect(type, pos) {\n    this.eat(type) || this.unexpected(pos, type);\n  }\n}

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}\n\n assertNoSpace(message = \"Unexpected space.\") {\n  if (this.state.start > this.state.lastTokEnd) {\n    this.raise(this.state.lastTokEnd, {\n      code: ErrorCodes.SyntaxError,\n      reasonCode: \"UnexpectedSpace\",\n      template: message\n    });\n  }\n}\n\n unexpected(pos, messageOrType = {\n  code: ErrorCodes.SyntaxError,\n  reasonCode: \"UnexpectedToken\",\n  template: \"Unexpected token\"\n }) {\n  if (messageOrType instanceof TokenType) {\n    messageOrType = {\n      code: ErrorCodes.SyntaxError,\n      reasonCode: \"UnexpectedToken\",\n      template: `Unexpected token, expected \"${messageOrType.label}\"`\n    };\n  }\n\n  throw this.raise(pos != null ? pos : this.state.start, messageOrType);\n}\n\n expectPlugin(name, pos) {\n  if (!this.hasPlugin(name)) {\n    throw this.raiseWithData(pos != null ? pos : this.state.start, {\n      missingPlugin: [name],\n      `This experimental syntax requires enabling the parser plugin: '${name}'`;\n    });\n  }\n\n  return true;\n}\n\n expectOnePlugin(names, pos) {\n  if (!names.some(n => this.hasPlugin(n))) {\n    throw this.raiseWithData(pos != null ? pos : this.state.start, {\n      missingPlugin: names,\n      `This experimental syntax requires enabling one of the following parser plugin(s): ${names.join(\", \")}`;\n    });\n  }\n}\n\n tryParse(fn, oldState = this.state.clone()) {\n  const abortSignal = {\n    node: null\n  }; \n  try {\n    const node = fn((node = null) => {\n      abortSignal.node = node;\n      throw abortSignal;\n    });\n\n    if (this.state.errors.length > oldState.errors.length) {\n      const failState = this.state;\n      this.state = oldState;\n      this.state.tokensLength = failState.tokensLength;\n      return {\n        node,\n        error: failState.errors[oldState.errors.length],\n        thrown: false,\n        aborted: false,\n        failState\n      };\n    }\n\n    return {\n      node,\n      error: null,\n      thrown: false,\n      aborted: false,\n      failState: null\n    };\n  } catch (error) {\n    const failState = this.state;\n    this.state = oldState;\n\n    if (error instanceof SyntaxError) {\n      return {\n        node: null,\n        error,\n        thrown: true,\n        aborted: false,\n        failState\n      };\n    }\n\n    if (error === abortSignal) {\n      return {\n        node: abortSignal.node,\n        error: null,\n        thrown: false,\n        aborted: true,\n        failState\n      };\n    }\n\n    throw error;\n  }\n}\n\n checkExpressionErrors(refExpressionErrors, andThrow) {\n  if (!refExpressionErrors) return false;\n  const {\n    shorthandAssign,\n    doubleProto\n  } = refExpressionErrors;\n  if (!andThrow) return shorthandAssign >= 0 || doubleProto >= 0;\n\n  if (shorthandAssign >= 0) {\n    this.unexpected(shorthandAssign);\n  }\n\n  if (doubleProto >= 0) {\n    this.raise(doubleProto, ErrorMessages.DuplicateProto);\n  }\n}\n\n isLiteralPropertyName() {\n  return this.match(types$1.name) || !!this.state.type.keyword || this.match(types$1.string) || this.match(types$1.num) || this.match(types$1.bigint) || this.match(types$1.decimal);\n}\n\n isPrivateName(node) {\n  return node.type === \"PrivateName\";\n}\n\n getPrivateNameSV(node) {\n  return node.id.name;\n}\n\n hasPropertyAsPrivateName(node) {\n  return (node.type === \"MemberExpression\" || node.type === \"OptionalMemberExpression\") && this.isPrivateName(node.property);\n}\n\n isOptionalChain(node) {\n  return node.type === \"OptionalMemberExpression\" || node.type === \"OptionalCallExpression\";\n}\n\n isObjectProperty(node) {\n  return node.type === \"ObjectProperty\";\n}\n\n isObjectMethod(node) {\n  return node.type === \"ObjectMethod\";\n}\n\n initializeScopes(inModule = this.options.sourceType === \"module\") {\n  const oldLabels = this.state.labels;\n  this.state.labels = [];\n  const oldExportedIdentifiers = this.state.exportedIdentifiers;\n  this.state.exportedIdentifiers = [];\n  const oldInModule = this.inModule;\n  this.inModule = inModule;\n  const oldScope = this.scope;\n  const ScopeHandler = this.getScopeHandler();\n  this.scope = new ScopeHandler(this.raise.bind(this), this.inModule);\n  const oldProdParam = this.prodParam;\n  this.prodParam = new ProductionParameterHandler();\n  const oldClassScope = this.classScope;\n  this.classScope = new ClassScopeHandler(this.raise.bind(this));\n  const oldExpressionScope = this.expressionScope;\n  this.expressionScope = new ExpressionScopeHandler(this.raise.bind(this));\n  return () => {\n    this.state.labels = oldLabels;\n    this.state.exportedIdentifiers = oldExportedIdentifiers;\n    this.inModule = oldInModule;\n    this.scope = oldScope;\n    this.prodParam = oldProdParam;\n    this.classScope = oldClassScope;\n    this.expressionScope = oldExpressionScope;\n  };\n}\n\n enterInitialScopes() {\n  let paramFlags = PARAM;\n\n  if (this.hasPlugin(\"topLevelAwait\") && this.inModule) {\n    paramFlags |= PARAM_AWAIT;\n  }\n\n  this.scope.enter(SCOPE_PROGRAM);\n  this.prodParam.enter(paramFlags);\n}\n\n}\n\nclass ExpressionErrors {\n  constructor() {\n    this.shorthandAssign = -1;\n    this.doubleProto = -1;\n  }\n}\n\nclass Node {\n  constructor(parser, pos, loc) {\n    this.type = void 0;\n  }\n}

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this.start = void 0;\n this.end = void 0;\n this.loc = void 0;\n this.range = void 0;\n this.leadingComments =
void 0;\n this.trailingComments = void 0;\n this.innerComments = void 0;\n this.extra = void 0;\n this.type =
\"\";\n this.start = pos;\n this.end = 0;\n this.loc = new SourceLocation(loc);\n if (parser != null &&
parser.options.ranges) this.range = [pos, 0];\n if (parser != null && parser.filename) this.loc.filename =
parser.filename;\n }\n\n __clone() {\n const newNode = new Node();\n const keys = Object.keys(this);\n\n for (let i = 0, length = keys.length; i < length; i++) {\n const key = keys[i];\n if (key !==
\"leadingComments\" && key !== \"trailingComments\" && key !== \"innerComments\") {\n newNode[key] =
this[key];\n }\n }\n\n return newNode;\n }\n\n\n\nclass NodeUtils extends UtilParser {\n startNode() {\n return new Node(this, this.state.start, this.state.startLoc);\n }\n\n startNodeAt(pos, loc) {\n return new Node(this,
pos, loc);\n }\n\n startNodeAtNode(type) {\n return this.startNodeAt(type.start, type.loc.start);\n }\n\n
finishNode(node, type) {\n return this.finishNodeAt(node, type, this.state.lastTokEnd, this.state.lastTokEndLoc);\n
}\n\n finishNodeAt(node, type, pos, loc) {\n node.type = type;\n node.end = pos;\n node.loc.end = loc;\n if
(this.options.ranges) node.range[1] = pos;\n this.processComment(node);\n return node;\n }\n\n
resetStartLocation(node, start, startLoc) {\n node.start = start;\n node.loc.start = startLoc;\n if
(this.options.ranges) node.range[0] = start;\n }\n\n resetEndLocation(node, end = this.state.lastTokEnd, endLoc =
this.state.lastTokEndLoc) {\n node.end = end;\n node.loc.end = endLoc;\n if (this.options.ranges)
node.range[1] = end;\n }\n\n resetStartLocationFromNode(node, locationNode) {\n this.resetStartLocation(node,
locationNode.start, locationNode.loc.start);\n }\n\n\n\nconst unwrapParenthesizedExpression = node => {\n return
node.type === \"ParenthesizedExpression\" ? unwrapParenthesizedExpression(node.expression) : node;\n};\n\nclass
LValParser extends NodeUtils {\n toAssignable(node, isLHS = false) {\n var _node$extra, _node$extra3;\n\n
let parenthesized = undefined;\n if (node.type === \"ParenthesizedExpression\" || (_node$extra = node.extra) !=
null && _node$extra.parenthesized) {\n parenthesized = unwrapParenthesizedExpression(node);\n if
(isLHS) {\n if (parenthesized.type === \"Identifier\") {\n
this.expressionScope.recordParenthesizedIdentifierError(node.start,
ErrorMessages.InvalidParenthesizedAssignment);\n } else if (parenthesized.type !== \"MemberExpression\")
{\n this.raise(node.start, ErrorMessages.InvalidParenthesizedAssignment);\n }\n } else {\n
this.raise(node.start, ErrorMessages.InvalidParenthesizedAssignment);\n }\n }\n\n switch (node.type) {\n
case \"Identifier\":\n case \"ObjectPattern\":\n case \"ArrayPattern\":\n case \"AssignmentPattern\":\n
break;\n\n case \"ObjectExpression\":\n node.type = \"ObjectPattern\";\n\n for (let i = 0, length =
node.properties.length, last = length - 1; i < length; i++) {\n var _node$extra2;\n const prop =
node.properties[i];\n const isLast = i === last;\n this.toAssignableObjectExpressionProp(prop, isLast,
isLHS);\n if (isLast && prop.type === \"RestElement\" && (_node$extra2 = node.extra) != null &&
_node$extra2.trailingComma) {\n this.raiseRestNotLast(node.extra.trailingComma);\n }\n }\n\n
break;\n\n case \"ObjectProperty\":\n this.toAssignable(node.value, isLHS);\n break;\n\n case
\"SpreadElement\":\n {\n this.checkToRestConversion(node);\n node.type = \"RestElement\";\n
const arg = node.argument;\n this.toAssignable(arg, isLHS);\n break;\n }\n\n case
\"ArrayExpression\":\n node.type = \"ArrayPattern\";\n this.toAssignableList(node.elements, (_node$extra3
= node.extra) == null ? void 0 : _node$extra3.trailingComma, isLHS);\n break;\n\n case
\"AssignmentExpression\":\n if (node.operator !== \"=\") {\n this.raise(node.left.end,
ErrorMessages.MissingEqInAssignment);\n }\n\n node.type = \"AssignmentPattern\";\n delete
node.operator;\n this.toAssignable(node.left, isLHS);\n break;\n\n case \"ParenthesizedExpression\":\n
this.toAssignable(parenthesized, isLHS);\n break;\n }\n\n return node;\n }\n\n
toAssignableObjectExpressionProp(prop, isLast, isLHS) {\n if (prop.type === \"ObjectMethod\") {\n const
error = prop.kind === \"get\" || prop.kind === \"set\" ? ErrorMessages.PatternHasAccessor :
ErrorMessages.PatternHasMethod;\n this.raise(prop.key.start, error);\n } else if (prop.type ===
\"SpreadElement\" && !isLast) {\n this.raiseRestNotLast(prop.start);\n } else {\n this.toAssignable(prop,
isLHS);\n }\n }\n\n toAssignableList(exprList, trailingCommaPos, isLHS) {\n let end = exprList.length;\n
if (end) {\n const last = exprList[end - 1];\n if ((last == null ? void 0 : last.type) === \"RestElement\") {\n

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--end;\n    } else if ((last == null ? void 0 : last.type) === \"SpreadElement\") {\n    last.type =
\"RestElement\";\n    let arg = last.argument;\n    this.toAssignable(arg, isLHS);\n    arg =
unwrapParenthesizedExpression(arg);\n\n    if (arg.type !== \"Identifier\" && arg.type !== \"MemberExpression\"
&& arg.type !== \"ArrayPattern\" && arg.type !== \"ObjectPattern\") {\n    this.unexpected(arg.start);\n
}\n\n    if (trailingCommaPos) {\n    this.raiseTrailingCommaAfterRest(trailingCommaPos);\n    }\n\n    -
end;\n    }\n    }\n\n    for (let i = 0; i < end; i++) {\n    const elt = exprList[i];\n\n    if (elt) {\n
this.toAssignable(elt, isLHS);\n\n    if (elt.type === \"RestElement\") {\n    this.raiseRestNotLast(elt.start);\n
}\n    }\n\n    return exprList;\n    }\n\n    toReferencedList(exprList, isParenthesizedExpr) {\n    return
exprList;\n    }\n\n    toReferencedListDeep(exprList, isParenthesizedExpr) {\n    this.toReferencedList(exprList,
isParenthesizedExpr);\n\n    for (const expr of exprList) {\n    if ((expr == null ? void 0 : expr.type) ===
\"ArrayExpression\") {\n    this.toReferencedListDeep(expr.elements);\n    }\n    }\n\n    }\n\n    parseSpread(refExpressionErrors, refNeedsArrowPos) {\n    const node = this.startNode();\n    this.next();\n
node.argument = this.parseMaybeAssignAllowIn(refExpressionErrors, undefined, refNeedsArrowPos);\n    return
this.finishNode(node, \"SpreadElement\");\n    }\n\n    parseRestBinding() {\n    const node = this.startNode();\n
this.next();\n    node.argument = this.parseBindingAtom();\n    return this.finishNode(node, \"RestElement\");\n
}\n\n    parseBindingAtom() {\n    switch (this.state.type) {\n    case types$1.bracketL:\n    {\n    const node =
this.startNode();\n    this.next();\n    node.elements = this.parseBindingList(types$1.bracketR, 93, true);\n
return this.finishNode(node, \"ArrayPattern\");\n    }\n\n    case types$1.braceL:\n    return
this.parseObjectLike(types$1.braceR, true);\n    }\n\n    return this.parseIdentifier();\n    }\n\n    parseBindingList(close,
closeCharCode, allowEmpty, allowModifiers) {\n    const elts = [];\n    let first = true;\n\n    while (!this.eat(close))
{\n    if (first) {\n    first = false;\n    } else {\n    this.expect(types$1.comma);\n    }\n\n    if (allowEmpty
&& this.match(types$1.comma)) {\n    elts.push(null);\n    } else if (this.eat(close)) {\n    break;\n    } else if
(this.match(types$1.ellipsis)) {\n    elts.push(this.parseAssignableListItemTypes(this.parseRestBinding()));\n
this.checkCommaAfterRest(closeCharCode);\n    this.expect(close);\n    break;\n    } else {\n    const
decorators = [];\n\n    if (this.match(types$1.at) && this.hasPlugin(\"decorators\")) {\n
this.raise(this.state.start, ErrorMessages.UnsupportedParameterDecorator);\n    }\n\n    while
(this.match(types$1.at)) {\n    decorators.push(this.parseDecorator());\n    }\n\n    elts.push(this.parseAssignableListItem(allowModifiers, decorators));\n    }\n    }\n\n    return elts;\n    }\n\n    parseAssignableListItem(allowModifiers, decorators) {\n    const left = this.parseMaybeDefault();\n
this.parseAssignableListItemTypes(left);\n    const elt = this.parseMaybeDefault(left.start, left.loc.start, left);\n\n    if
(decorators.length) {\n    left.decorators = decorators;\n    }\n\n    return elt;\n    }\n\n    parseAssignableListItemTypes(param) {\n    return param;\n    }\n\n    parseMaybeDefault(startPos, startLoc, left) {\n
var _startLoc, _startPos, _left;\n    startLoc = (_startLoc = startLoc) != null ? _startLoc : this.state.startLoc;\n
startPos = (_startPos = startPos) != null ? _startPos : this.state.start;\n    left = (_left = left) != null ? _left :
this.parseBindingAtom();\n    if (!this.eat(types$1.eq)) return left;\n    const node = this.startNodeAt(startPos,
startLoc);\n    node.left = left;\n    node.right = this.parseMaybeAssignAllowIn();\n    return this.finishNode(node,
\"AssignmentPattern\");\n    }\n\n    checkLVal(expr, contextDescription, bindingType = BIND_NONE, checkClashes,
disallowLetBinding, strictModeChanged = false) {\n    switch (expr.type) {\n    case \"Identifier\":\n    {\n
const {\n    name\n    } = expr;\n\n    if (this.state.strict && (strictModeChanged ?
isStrictBindReservedWord(name, this.inModule) : isStrictBindOnlyReservedWord(name))) {\n
this.raise(expr.start, bindingType === BIND_NONE ? ErrorMessages.StrictEvalArguments :
ErrorMessages.StrictEvalArgumentsBinding, name);\n    }\n\n    if (checkClashes) {\n    if
(checkClashes.has(name)) {\n    this.raise(expr.start, ErrorMessages.ParamDupe);\n    } else {\n
checkClashes.add(name);\n    }\n    }\n\n    if (disallowLetBinding && name === \"let\") {\n
this.raise(expr.start, ErrorMessages.LetInLexicalBinding);\n    }\n\n    if (!(bindingType & BIND_NONE))
{\n    this.scope.declareName(name, bindingType, expr.start);\n    }\n\n    break;\n    }\n\n    case
\"MemberExpression\":\n    if (bindingType !== BIND_NONE) {\n    this.raise(expr.start,
ErrorMessages.InvalidPropertyBindingPattern);\n    }\n\n    break;\n\n    case \"ObjectPattern\":\n    for (let

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prop of expr.properties) {\n      if (this.isObjectProperty(prop)) prop = prop.value;else if
(this.isObjectMethod(prop)) continue;\n      this.checkLVal(prop, \"object destructuring pattern\", bindingType,
checkClashes, disallowLetBinding);\n    }\n\n    break;\n\n    case \"ArrayPattern\":\n      for (const elem of
expr.elements) {\n        if (elem) {\n          this.checkLVal(elem, \"array destructuring pattern\", bindingType,
checkClashes, disallowLetBinding);\n        }\n      }\n\n    break;\n\n    case \"AssignmentPattern\":\n      this.checkLVal(expr.left, \"assignment pattern\", bindingType, checkClashes);\n      break;\n\n    case
\"RestElement\":\n      this.checkLVal(expr.argument, \"rest element\", bindingType, checkClashes);\n      break;\n\n    case \"ParenthesizedExpression\":\n      this.checkLVal(expr.expression, \"parenthesized
expression\", bindingType, checkClashes);\n      break;\n\n    default:\n      {\n        this.raise(expr.start,
bindingType === BIND_NONE ? ErrorMessages.InvalidLhs : ErrorMessages.InvalidLhsBinding,
contextDescription);\n      }\n    }\n\n  }\n\n  checkToRestConversion(node) {\n    if (node.argument.type !==
\"Identifier\" && node.argument.type !== \"MemberExpression\") {\n      this.raise(node.argument.start,
ErrorMessages.InvalidRestAssignmentPattern);\n    }\n  }\n\n  checkCommaAfterRest(close) {\n    if
(this.match(types$1.comma)) {\n      if (this.lookaheadCharCode() === close) {\n
this.raiseTrailingCommaAfterRest(this.state.start);\n      } else {\n        this.raiseRestNotLast(this.state.start);\n      }\n    }\n  }\n\n  raiseRestNotLast(pos) {\n    throw this.raise(pos, ErrorMessages.ElementAfterRest);\n  }\n\n  raiseTrailingCommaAfterRest(pos) {\n    this.raise(pos, ErrorMessages.RestTrailingComma);\n  }\n\n}\n\nclass
ExpressionParser extends LValParser {\n  checkProto(prop, isRecord, protoRef, refExpressionErrors) {\n    if
(prop.type === \"SpreadElement\" || this.isObjectMethod(prop) || prop.computed || prop.shorthand) {\n      return;\n    }\n\n    const key = prop.key;\n    const name = key.type === \"Identifier\" ? key.name : key.value;\n\n    if (name
=== \"__proto__\") {\n      if (isRecord) {\n        this.raise(key.start, ErrorMessages.RecordNoProto);\n        return;\n      }\n\n      if (protoRef.used) {\n        if (refExpressionErrors) {\n          if (refExpressionErrors.doubleProto === -1)
{\n            refExpressionErrors.doubleProto = key.start;\n          }\n        } else {\n          this.raise(key.start,
ErrorMessages.DuplicateProto);\n        }\n      }\n\n      protoRef.used = true;\n    }\n  }\n\n  shouldExitDescending(expr, potentialArrowAt) {\n    return expr.type === \"ArrowFunctionExpression\" &&
expr.start === potentialArrowAt;\n  }\n\n  getExpression() {\n    let paramFlags = PARAM;\n\n    if
(this.hasPlugin(\"topLevelAwait\") && this.inModule) {\n      paramFlags |= PARAM_AWAIT;\n    }\n\n    this.scope.enter(SCOPE_PROGRAM);\n    this.prodParam.enter(paramFlags);\n    this.nextToken();\n    const expr
= this.parseExpression();\n\n    if (!this.match(types$1.eof)) {\n      this.unexpected();\n    }\n\n    expr.comments =
this.state.comments;\n    expr.errors = this.state.errors;\n\n    if (this.options.tokens) {\n      expr.tokens =
this.tokens;\n    }\n\n    return expr;\n  }\n\n  parseExpression(disallowIn, refExpressionErrors) {\n    if (disallowIn)
{\n      return this.disallowInAnd(() => this.parseExpressionBase(refExpressionErrors));\n    }\n\n    return
this.allowInAnd(() => this.parseExpressionBase(refExpressionErrors));\n  }\n\n  parseExpressionBase(refExpressionErrors) {\n    const startPos = this.state.start;\n    const startLoc =
this.state.startLoc;\n    const expr = this.parseMaybeAssign(refExpressionErrors);\n\n    if
(this.match(types$1.comma)) {\n      const node = this.startNodeAt(startPos, startLoc);\n      node.expressions =
[expr];\n\n      while (this.eat(types$1.comma)) {\n
node.expressions.push(this.parseMaybeAssign(refExpressionErrors));\n      }\n\n      this.toReferencedList(node.expressions);\n      return this.finishNode(node, \"SequenceExpression\");\n    }\n\n    return expr;\n  }\n\n  parseMaybeAssignDisallowIn(refExpressionErrors, afterLeftParse, refNeedsArrowPos) {\n
return this.disallowInAnd(() => this.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos));\n  }\n\n  parseMaybeAssignAllowIn(refExpressionErrors, afterLeftParse, refNeedsArrowPos) {\n    return
this.allowInAnd(() => this.parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos));\n  }\n\n  parseMaybeAssign(refExpressionErrors, afterLeftParse, refNeedsArrowPos) {\n    const startPos = this.state.start;\n    const startLoc = this.state.startLoc;\n\n    if (this.isContextual(\"yield\")) {\n      if (this.prodParam.hasYield) {\n
this.state.exprAllowed = true;\n      let left = this.parseYield();\n\n      if (afterLeftParse) {\n        left =
afterLeftParse.call(this, left, startPos, startLoc);\n      }\n\n      return left;\n    }\n  }\n\n  let
ownExpressionErrors;\n\n  if (refExpressionErrors) {\n    ownExpressionErrors = false;\n  } else {\n

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refExpressionErrors = new ExpressionErrors();\n    ownExpressionErrors = true;\n    }\n\n    if
(this.match(types$1.parenL) || this.match(types$1.name)) {\n    this.state.potentialArrowAt = this.state.start;\n
}\n\n    let left = this.parseMaybeConditional(refExpressionErrors, refNeedsArrowPos);\n\n    if (afterLeftParse) {\n
    left = afterLeftParse.call(this, left, startPos, startLoc);\n    }\n\n    if (this.state.type.isAssign) {\n    const node =
this.startNodeAt(startPos, startLoc);\n    const operator = this.state.value;\n    node.operator = operator;\n\n    if
(this.match(types$1.eq)) {\n    node.left = this.toAssignable(left, true);\n    refExpressionErrors.doubleProto = -
1;\n    } else {\n    node.left = left;\n    }\n\n    if (refExpressionErrors.shorthandAssign >= node.left.start) {\n
refExpressionErrors.shorthandAssign = -1;\n    }\n\n    this.checkLVal(left, \"assignment expression\");\n
this.next();\n    node.right = this.parseMaybeAssign();\n    return this.finishNode(node,
\"AssignmentExpression\");\n    } else if (ownExpressionErrors) {\n
this.checkExpressionErrors(refExpressionErrors, true);\n    }\n\n    return left;\n    }\n\n    parseMaybeConditional(refExpressionErrors, refNeedsArrowPos) {\n    const startPos = this.state.start;\n    const
startLoc = this.state.startLoc;\n    const potentialArrowAt = this.state.potentialArrowAt;\n    const expr =
this.parseExprOps(refExpressionErrors);\n\n    if (this.shouldExitDescending(expr, potentialArrowAt)) {\n    return
expr;\n    }\n\n    return this.parseConditional(expr, startPos, startLoc, refNeedsArrowPos);\n    }\n\n    parseConditional(expr, startPos, startLoc, refNeedsArrowPos) {\n    if (this.eat(types$1.question)) {\n    const node
= this.startNodeAt(startPos, startLoc);\n    node.test = expr;\n    node.consequent =
this.parseMaybeAssignAllowIn();\n    this.expect(types$1.colon);\n    node.alternate =
this.parseMaybeAssign();\n    return this.finishNode(node, \"ConditionalExpression\");\n    }\n\n    return expr;\n
}\n\n    parseExprOps(refExpressionErrors) {\n    const startPos = this.state.start;\n    const startLoc =
this.state.startLoc;\n    const potentialArrowAt = this.state.potentialArrowAt;\n    const expr =
this.parseMaybeUnary(refExpressionErrors);\n\n    if (this.shouldExitDescending(expr, potentialArrowAt)) {\n
return expr;\n    }\n\n    return this.parseExprOp(expr, startPos, startLoc, -1);\n    }\n\n    parseExprOp(left, leftStartPos,
leftStartLoc, minPrec) {\n    let prec = this.state.type.binop;\n\n    if (prec != null && (this.prodParam.hasIn ||
!this.match(types$1._in))) {\n    if (prec > minPrec) {\n    const op = this.state.type;\n\n    if (op ===
types$1.pipeline) {\n    this.expectPlugin(\"pipelineOperator\");\n\n    if
(this.state.inFSharpPipelineDirectBody) {\n    return left;\n    }\n\n    this.state.inPipeline = true;\n
this.checkPipelineAtInfixOperator(left, leftStartPos);\n    }\n\n    const node = this.startNodeAt(leftStartPos,
leftStartLoc);\n    node.left = left;\n    node.operator = this.state.value;\n    const logical = op ===
types$1.logicalOR || op === types$1.logicalAND;\n    const coalesce = op === types$1.nullishCoalescing;\n\n    if
(coalesce) {\n    prec = types$1.logicalAND.binop;\n    }\n\n    this.next();\n\n    if (op ===
types$1.pipeline && this.getPluginOption(\"pipelineOperator\", \"proposal\") === \"minimal\") {\n    if
(this.match(types$1.name) && this.state.value === \"await\" && this.prodParam.hasAwait) {\n    throw
this.raise(this.state.start, ErrorMessages.UnexpectedAwaitAfterPipelineBody);\n    }\n    }\n\n    node.right
= this.parseExprOpRightExpr(op, prec);\n    this.finishNode(node, logical || coalesce ? \"LogicalExpression\" :
\"BinaryExpression\");\n    const nextOp = this.state.type;\n\n    if (coalesce && (nextOp ===
types$1.logicalOR || nextOp === types$1.logicalAND) || logical && nextOp === types$1.nullishCoalescing) {\n
throw this.raise(this.state.start, ErrorMessages.MixingCoalesceWithLogical);\n    }\n\n    return
this.parseExprOp(node, leftStartPos, leftStartLoc, minPrec);\n    }\n    }\n\n    return left;\n    }\n\n    parseExprOpRightExpr(op, prec) {\n    const startPos = this.state.start;\n    const startLoc = this.state.startLoc;\n\n    switch (op) {\n    case types$1.pipeline:\n    switch (this.getPluginOption(\"pipelineOperator\", \"proposal\")) {\n
case \"smart\":\n    return this.withTopicPermittingContext(() => {\n    return
this.parseSmartPipelineBody(this.parseExprOpBaseRightExpr(op, prec), startPos, startLoc);\n    });\n
case \"fsharp\":\n    return this.withSoloAwaitPermittingContext(() => {\n    return
this.parseFSharpPipelineBody(prec);\n    });\n    }\n\n    default:\n    return
this.parseExprOpBaseRightExpr(op, prec);\n    }\n    }\n\n    parseExprOpBaseRightExpr(op, prec) {\n    const startPos
= this.state.start;\n    const startLoc = this.state.startLoc;\n    return this.parseExprOp(this.parseMaybeUnary(),
startPos, startLoc, op.rightAssociative ? prec - 1 : prec);\n    }\n\n    checkExponentialAfterUnary(node) {\n    if

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(this.match(types$1.exponent)) {\n  this.raise(node.argument.start,
ErrorMessages.UnexpectedTokenUnaryExponentiation);\n } \n } \n\n parseMaybeUnary(refExpressionErrors,
sawUnary) {\n  const startPos = this.state.start;\n  const startLoc = this.state.startLoc;\n  const isAwait =
this.isContextual(\"await\");\n\n  if (isAwait && this.isAwaitAllowed()) {\n    this.next();\n    const expr =
this.parseAwait(startPos, startLoc);\n    if (!sawUnary) this.checkExponentialAfterUnary(expr);\n    return expr;\n  } \n\n  if (this.isContextual(\"module\") && this.lookaheadCharCode() === 123 &&
!this.hasFollowingLineBreak()) {\n    return this.parseModuleExpression();\n  } \n\n  const update =
this.match(types$1.incDec);\n  const node = this.startNode();\n\n  if (this.state.type.prefix) {\n    node.operator =
this.state.value;\n    node.prefix = true;\n\n    if (this.match(types$1._throw)) {\n
this.expectPlugin(\"throwExpressions\");\n    } \n\n    const isDelete = this.match(types$1._delete);\n
this.next();\n    node.argument = this.parseMaybeUnary(null, true);\n
this.checkExpressionErrors(refExpressionErrors, true);\n\n    if (this.state.strict && isDelete) {\n    const arg =
node.argument;\n\n    if (arg.type === \"Identifier\") {\n      this.raise(node.start, ErrorMessages.StrictDelete);\n
    } else if (this.hasPropertyAsPrivateName(arg)) {\n      this.raise(node.start,
ErrorMessages.DeletePrivateField);\n    } \n\n    if (!update) {\n    if (!sawUnary)
this.checkExponentialAfterUnary(node);\n    return this.finishNode(node, \"UnaryExpression\");\n  } \n } \n\n
const expr = this.parseUpdate(node, update, refExpressionErrors);\n\n  if (isAwait) {\n    const startsExpr =
this.hasPlugin(\"v8intrinsic\") ? this.state.type.startsExpr : this.state.type.startsExpr &&
!this.match(types$1.modulo);\n\n    if (startsExpr && !this.isAmbiguousAwait()) {\n
this.raiseOverwrite(startPos, this.hasPlugin(\"topLevelAwait\") ? ErrorMessages.AwaitNotInAsyncContext :
ErrorMessages.AwaitNotInAsyncFunction);\n    return this.parseAwait(startPos, startLoc);\n  } \n } \n\n
return expr;\n } \n\n parseUpdate(node, update, refExpressionErrors) {\n  if (update) {\n
this.checkLVal(node.argument, \"prefix operation\");\n    return this.finishNode(node, \"UpdateExpression\");\n
} \n\n  const startPos = this.state.start;\n  const startLoc = this.state.startLoc;\n  let expr =
this.parseExprSubscripts(refExpressionErrors);\n  if (this.checkExpressionErrors(refExpressionErrors, false))
return expr;\n\n  while (this.state.type.postfix && !this.canInsertSemicolon()) {\n    const node =
this.startNodeAt(startPos, startLoc);\n    node.operator = this.state.value;\n    node.prefix = false;\n
node.argument = expr;\n    this.checkLVal(expr, \"postfix operation\");\n    this.next();\n    expr =
this.finishNode(node, \"UpdateExpression\");\n  } \n\n  return expr;\n } \n\n
parseExprSubscripts(refExpressionErrors) {\n  const startPos = this.state.start;\n  const startLoc =
this.state.startLoc;\n  const potentialArrowAt = this.state.potentialArrowAt;\n  const expr =
this.parseExprAtom(refExpressionErrors);\n\n  if (this.shouldExitDescending(expr, potentialArrowAt)) {\n
return expr;\n } \n\n  return this.parseSubscripts(expr, startPos, startLoc);\n } \n\n parseSubscripts(base, startPos,
startLoc, noCalls) {\n  const state = {\n    optionalChainMember: false,\n    maybeAsyncArrow:
this.atPossibleAsyncArrow(base),\n    stop: false\n  }; \n\n  do {\n    base = this.parseSubscript(base, startPos,
startLoc, noCalls, state);\n    state.maybeAsyncArrow = false;\n  } while (!state.stop);\n\n  return base;\n } \n\n
parseSubscript(base, startPos, startLoc, noCalls, state) {\n  if (!noCalls && this.eat(types$1.doubleColon)) {\n
return this.parseBind(base, startPos, startLoc, noCalls, state);\n  } else if (this.match(types$1.backQuote)) {\n
return this.parseTaggedTemplateExpression(base, startPos, startLoc, state);\n  } \n\n  let optional = false;\n\n  if
(this.match(types$1.questionDot)) {\n    if (noCalls && this.lookaheadCharCode() === 40) {\n    state.stop =
true;\n    return base;\n  } \n\n  state.optionalChainMember = optional = true;\n  this.next();\n } \n\n  if
(!noCalls && this.match(types$1.parenL)) {\n    return this.parseCoverCallAndAsyncArrowHead(base, startPos,
startLoc, state, optional);\n  } else if (optional || this.match(types$1.bracketL) || this.eat(types$1.dot)) {\n
return this.parseMember(base, startPos, startLoc, state, optional);\n  } else {\n    state.stop = true;\n    return base;\n
} \n\n } \n\n parseMember(base, startPos, startLoc, state, optional) {\n  const node = this.startNodeAt(startPos,
startLoc);\n  const computed = this.eat(types$1.bracketL);\n  node.object = base;\n  node.computed =
computed;\n  const privateName = !computed && this.match(types$1.privateName) && this.state.value;\n  const
property = computed ? this.parseExpression() : privateName ? this.parsePrivateName() :

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this.parseIdentifier(true);\n\n if (privateName !== false) {\n   if (node.object.type === \"Super\") {\n     this.raise(startPos, ErrorMessages.SuperPrivateField);\n   }\n\n   this.classScope.usePrivateName(privateName, property.start);\n } }\n\n node.property = property;\n\n if (computed) {\n   this.expect(types$1.bracketR);\n }\n\n if (state.optionalChainMember) {\n   node.optional = optional;\n   return this.finishNode(node, \"OptionalMemberExpression\");\n } else {\n   return this.finishNode(node, \"MemberExpression\");\n }\n }\n\n parseBind(base, startPos, startLoc, noCalls, state) {\n   const node = this.startNodeAt(startPos, startLoc);\n   node.object = base;\n   node.callee = this.parseNoCallExpr();\n   state.stop = true;\n   return this.parseSubscripts(this.finishNode(node, \"BindExpression\"), startPos, startLoc, noCalls);\n }\n\n parseCoverCallAndAsyncArrowHead(base, startPos, startLoc, state, optional) {\n   const oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n   this.state.maybeInArrowParameters = true;\n   this.next();\n   let node = this.startNodeAt(startPos, startLoc);\n   node.callee = base;\n\n   if (state.maybeAsyncArrow) {\n     this.expressionScope.enter(newAsyncArrowScope());\n   }\n\n   if (state.optionalChainMember) {\n     node.optional = optional;\n   }\n\n   if (optional) {\n     node.arguments = this.parseCallExpressionArguments(types$1.parenR, false);\n   } else {\n     node.arguments = this.parseCallExpressionArguments(types$1.parenR, state.maybeAsyncArrow, base.type === \"Import\", base.type !== \"Super\", node);\n   }\n\n   this.finishCallExpression(node, state.optionalChainMember);\n\n   if (state.maybeAsyncArrow && this.shouldParseAsyncArrow() && !optional) {\n     state.stop = true;\n     this.expressionScope.validateAsPattern();\n     this.expressionScope.exit();\n     node = this.parseAsyncArrowFromCallExpression(this.startNodeAt(startPos, startLoc), node);\n   } else {\n     if (state.maybeAsyncArrow) {\n       this.expressionScope.exit();\n     }\n\n     this.toReferencedArguments(node);\n   }\n\n   this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n   return node;\n }\n\n toReferencedArguments(node, isParenthesizedExpr) {\n   this.toReferencedListDeep(node.arguments, isParenthesizedExpr);\n }\n\n parseTaggedTemplateExpression(base, startPos, startLoc, state) {\n   const node = this.startNodeAt(startPos, startLoc);\n   node.tag = base;\n   node.quasi = this.parseTemplate(true);\n\n   if (state.optionalChainMember) {\n     this.raise(startPos, ErrorMessages.OptionalChainingNoTemplate);\n   }\n\n   return this.finishNode(node, \"TaggedTemplateExpression\");\n }\n\n atPossibleAsyncArrow(base) {\n   return base.type === \"Identifier\" && base.name === \"async\" && this.state.lastTokEnd === base.end && !this.canInsertSemicolon() && base.end - base.start === 5 && base.start === this.state.potentialArrowAt;\n }\n\n finishCallExpression(node, optional) {\n   if (node.callee.type === \"Import\") {\n     if (node.arguments.length === 2) {\n       {\n         if (!this.hasPlugin(\"moduleAttributes\")) {\n           this.expectPlugin(\"importAssertions\");\n         }\n       }\n\n       if (node.arguments.length === 0 || node.arguments.length > 2) {\n         this.raise(node.start, ErrorMessages.ImportCallArity, this.hasPlugin(\"importAssertions\") || this.hasPlugin(\"moduleAttributes\") ? \"one or two arguments\" : \"one argument\");\n       } else {\n         for (const arg of node.arguments) {\n           if (arg.type === \"SpreadElement\") {\n             this.raise(arg.start, ErrorMessages.ImportCallSpreadArgument);\n           }\n         }\n\n         return this.finishNode(node, optional ? \"OptionalCallExpression\" : \"CallExpression\");\n       }\n     }\n\n     parseCallExpressionArguments(close, possibleAsyncArrow, dynamicImport, allowPlaceholder, nodeForExtra) {\n       const elts = [];\n       let first = true;\n       const oldInFSharpPipelineDirectBody = this.state.inFSharpPipelineDirectBody;\n       this.state.inFSharpPipelineDirectBody = false;\n\n       while (!this.eat(close)) {\n         if (first) {\n           first = false;\n         } else {\n           this.expect(types$1.comma);\n         }\n\n         if (this.match(close)) {\n           if (dynamicImport && !this.hasPlugin(\"importAssertions\") && !this.hasPlugin(\"moduleAttributes\")) {\n             this.raise(this.state.lastTokStart, ErrorMessages.ImportCallArgumentTrailingComma);\n           }\n\n           if (nodeForExtra) {\n             this.addExtra(nodeForExtra, \"trailingComma\", this.state.lastTokStart);\n           }\n\n           this.next();\n\n           break;\n         }\n\n         elts.push(this.parseExprListItem(false, possibleAsyncArrow ? new ExpressionErrors() : undefined, possibleAsyncArrow ? {start: 0} : undefined, allowPlaceholder));\n       }\n\n       this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n       return elts;\n     }\n\n     shouldParseAsyncArrow() {\n       return this.match(types$1.arrow) && !this.canInsertSemicolon();\n     }\n\n     }

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parseAsyncArrowFromCallExpression(node, call) {\n  var _call$extra;\n\n  this.expect(types$1.arrow);\n  this.parseArrowExpression(node, call.arguments, true, (_call$extra = call.extra) == null ? void 0 : \n  _call$extra.trailingComma);\n  return node;\n }\n\n parseNoCallExpr() {\n  const startPos = this.state.start;\n  const startLoc = this.state.startLoc;\n  return this.parseSubscripts(this.parseExprAtom(), startPos, startLoc, true);\n }\n\n parseExprAtom(refExpressionErrors) {\n  if (this.state.type === types$1.slash) this.readRegexp();\n  const\n  canBeArrow = this.state.potentialArrowAt === this.state.start;\n  let node;\n\n  switch (this.state.type) {\n    case\n  types$1._super:\n    return this.parseSuper();\n\n    case types$1._import:\n    node = this.startNode();\n    this.next();\n\n    if (this.match(types$1.dot)) {\n      return this.parseImportMetaProperty(node);\n    }\n\n    if (!this.match(types$1.parenL)) {\n      this.raise(this.state.lastTokStart, ErrorMessages.UnsupportedImport);\n    }\n\n    return this.finishNode(node, "Import");\n\n    case types$1._this:\n    node = this.startNode();\n    this.next();\n    return this.finishNode(node, "ThisExpression");\n\n    case types$1.name:\n    {\n      const\n  containsEsc = this.state.containsEsc;\n      const id = this.parseIdentifier();\n\n      if (!containsEsc && id.name\n  === "async" && !this.canInsertSemicolon()) {\n        if (this.match(types$1._function)) {\n          const last =\n  this.state.context.length - 1;\n          if (this.state.context[last] !== types.functionStatement) {\n            throw\n  new Error("Internal error");\n          }\n          this.state.context[last] = types.functionExpression;\n          this.next();\n          return this.parseFunction(this.startNodeAtNode(id), undefined, true);\n        } else if\n  (this.match(types$1.name)) {\n          if (this.lookaheadCharCode() === 61) {\n            return\n  this.parseAsyncArrowUnaryFunction(id);\n          } else {\n            return id;\n          }\n        } else if\n  (this.match(types$1._do)) {\n          return this.parseDo(true);\n        }\n      }\n\n      if (canBeArrow &&\n  this.match(types$1.arrow) && !this.canInsertSemicolon()) {\n        this.next();\n        return\n  this.parseArrowExpression(this.startNodeAtNode(id), [id], false);\n      }\n\n      return id;\n    }\n\n    case\n  types$1._do:\n    {\n      return this.parseDo(false);\n    }\n\n    case types$1.regexp:\n    {\n      const\n  value = this.state.value;\n      node = this.parseLiteral(value.value, "RegExpLiteral");\n      node.pattern =\n  value.pattern;\n      node.flags = value.flags;\n      return node;\n    }\n\n    case types$1.num:\n    return\n  this.parseLiteral(this.state.value, "NumericLiteral");\n\n    case types$1.bigint:\n    return\n  this.parseLiteral(this.state.value, "BigIntLiteral");\n\n    case types$1.decimal:\n    return\n  this.parseLiteral(this.state.value, "DecimalLiteral");\n\n    case types$1.string:\n    return\n  this.parseLiteral(this.state.value, "StringLiteral");\n\n    case types$1._null:\n    node = this.startNode();\n    this.next();\n    return this.finishNode(node, "NullLiteral");\n\n    case types$1._true:\n    case\n  types$1._false:\n    return this.parseBooleanLiteral();\n\n    case types$1.parenL:\n    return\n  this.parseParenAndDistinguishExpression(canBeArrow);\n\n    case types$1.bracketBarL:\n    case\n  types$1.bracketHashL:\n    {\n      return this.parseArrayLike(this.state.type === types$1.bracketBarL ?\n  types$1.bracketBarR : types$1.bracketR, false, true, refExpressionErrors);\n    }\n\n    case types$1.bracketL:\n    {\n      return this.parseArrayLike(types$1.bracketR, true, false, refExpressionErrors);\n    }\n\n    case\n  types$1.braceBarL:\n    case types$1.braceHashL:\n    {\n      return this.parseObjectLike(this.state.type ===\n  types$1.braceBarL ? types$1.braceBarR : types$1.braceR, false, true, refExpressionErrors);\n    }\n\n    case\n  types$1.braceL:\n    {\n      return this.parseObjectLike(types$1.braceR, false, false, refExpressionErrors);\n    }\n  }\n\n  case types$1._function:\n  return this.parseFunctionOrFunctionSent();\n\n  case types$1.at:\n  this.parseDecorators();\n\n  case types$1._class:\n  node = this.startNode();\n  this.takeDecorators(node);\n  return this.parseClass(node, false);\n\n  case types$1._new:\n  return this.parseNewOrNewTarget();\n\n  case types$1.backQuote:\n  return this.parseTemplate(false);\n\n  case types$1.doubleColon:\n  {\n    node = this.startNode();\n    this.next();\n    node.object = null;\n    const callee = node.callee =\n  this.parseNoCallExpr();\n\n    if (callee.type === "MemberExpression") {\n      return this.finishNode(node,\n  "BindExpression");\n    } else {\n      throw this.raise(callee.start, ErrorMessages.UnsupportedBind);\n    }\n  }\n\n  case types$1.privateName:\n  {\n    const start = this.state.start;\n    const value =\n  this.state.value;\n    node = this.parsePrivateName();\n\n    if (this.match(types$1._in)) {\n      this.expectPlugin("privateIn");\n      this.classScope.usePrivateName(value, node.start);\n    } else if\n  (this.hasPlugin("privateIn")) {\n      this.raise(this.state.start, ErrorMessages.PrivateInExpectedIn, value);\n    }\n  }\n\n  }\n}

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} else {\n      throw this.unexpected(start);\n    }\n\n    return node;\n  }\n\n  case types$1.hash:\n  {\n    if (this.state.inPipeline) {\n      node = this.startNode();\n      if\n      (this.getPluginOption(\"pipelineOperator\", \"proposal\") !== \"smart\") {\n        this.raise(node.start,\n        ErrorMessages.PrimaryTopicRequiresSmartPipeline);\n      }\n\n      this.next();\n\n      if\n      (!this.primaryTopicReferenceIsAllowedInCurrentTopicContext()) {\n        this.raise(node.start,\n        ErrorMessages.PrimaryTopicNotAllowed);\n      }\n\n      this.registerTopicReference();\n      return\n      this.finishNode(node, \"PipelinePrimaryTopicReference\");\n    }\n\n    case types$1.relational:\n  {\n    if (this.state.value === \"<\") {\n      const lookaheadCh =\n      this.input.codePointAt(this.nextTokenStart());\n\n      if (isIdentifierStart(lookaheadCh) || lookaheadCh === 62)\n      {\n        this.expectOnePlugin([\"jsx\", \"flow\", \"typescript\"]);\n      }\n\n      default:\n      throw this.unexpected();\n    }\n  }\n\n  parseAsyncArrowUnaryFunction(id) {\n    const node =\n    this.startNodeAtNode(id);\n    this.prodParam.enter(functionFlags(true, this.prodParam.hasYield));\n    const params\n    = [this.parseIdentifier()];\n    this.prodParam.exit();\n\n    if (this.hasPrecedingLineBreak()) {\n      this.raise(this.state.pos, ErrorMessages.LineTerminatorBeforeArrow);\n    }\n\n    this.expect(types$1.arrow);\n    this.parseArrowExpression(node, params, true);\n    return node;\n  }\n\n  parseDo(isAsync) {\n    this.expectPlugin(\"doExpressions\");\n\n    if (isAsync) {\n      this.expectPlugin(\"asyncDoExpressions\");\n    }\n\n    const node = this.startNode();\n    node.async = isAsync;\n    this.next();\n    const oldLabels = this.state.labels;\n    this.state.labels = [];\n\n    if (isAsync) {\n      this.prodParam.enter(PARAM_AWAIT);\n      node.body =\n      this.parseBlock();\n      this.prodParam.exit();\n    } else {\n      node.body = this.parseBlock();\n    }\n\n    this.state.labels = oldLabels;\n    return this.finishNode(node, \"DoExpression\");\n  }\n\n  parseSuper() {\n    const\n    node = this.startNode();\n    this.next();\n\n    if (this.match(types$1.parenL) && !this.scope.allowDirectSuper &&\n    !this.options.allowSuperOutsideMethod) {\n      this.raise(node.start, ErrorMessages.SuperNotAllowed);\n    } else if\n    (!this.scope.allowSuper && !this.options.allowSuperOutsideMethod) {\n      this.raise(node.start,\n      ErrorMessages.UnexpectedSuper);\n    }\n\n    if (!this.match(types$1.parenL) && !this.match(types$1.bracketL)\n    && !this.match(types$1.dot)) {\n      this.raise(node.start, ErrorMessages.UnsupportedSuper);\n    }\n\n    return\n    this.finishNode(node, \"Super\");\n  }\n\n  parseBooleanLiteral() {\n    const node = this.startNode();\n    node.value\n    = this.match(types$1._true);\n    this.next();\n    return this.finishNode(node, \"BooleanLiteral\");\n  }\n\n  parseMaybePrivateName(isPrivateNameAllowed) {\n    const isPrivate = this.match(types$1.privateName);\n\n    if\n    (isPrivate) {\n      if (!isPrivateNameAllowed) {\n        this.raise(this.state.start + 1,\n        ErrorMessages.UnexpectedPrivateField);\n      }\n\n      return this.parsePrivateName();\n    } else {\n      return\n      this.parseIdentifier(true);\n    }\n  }\n\n  parsePrivateName() {\n    const node = this.startNode();\n    const id =\n    this.startNodeAt(this.state.start + 1, new Position(this.state.curLine,\n    this.state.start + 1 - this.state.lineStart));\n    const name = this.state.value;\n    this.next();\n    node.id = this.createIdentifier(id, name);\n    return\n    this.finishNode(node, \"PrivateName\");\n  }\n\n  parseFunctionOrFunctionSent() {\n    const node =\n    this.startNode();\n    this.next();\n\n    if (this.prodParam.hasYield && this.match(types$1.dot)) {\n      const meta =\n      this.createIdentifier(this.startNodeAtNode(node), \"function\");\n      this.next();\n      return\n      this.parseMetaProperty(node, meta, \"sent\");\n    }\n\n    return this.parseFunction(node);\n  }\n\n  parseMetaProperty(node, meta, propertyName) {\n    node.meta = meta;\n\n    if (meta.name === \"function\" &&\n    propertyName === \"sent\") {\n      if (this.isContextual(propertyName)) {\n        this.expectPlugin(\"functionSent\");\n      } else if (!this.hasPlugin(\"functionSent\")) {\n        this.unexpected();\n      }\n    }\n\n    const containsEsc = this.state.containsEsc;\n    node.property = this.parseIdentifier(true);\n\n    if\n    (node.property.name !== propertyName || containsEsc) {\n      this.raise(node.property.start,\n      ErrorMessages.UnsupportedMetaProperty, meta.name, propertyName);\n    }\n\n    return this.finishNode(node,\n    \"MetaProperty\");\n  }\n\n  parseImportMetaProperty(node) {\n    const id =\n    this.createIdentifier(this.startNodeAtNode(node), \"import\");\n    this.next();\n\n    if (this.isContextual(\"meta\"))\n    {\n      if (!this.inModule) {\n        this.raise(id.start,\n        SourceTypeModuleErrorMessages.ImportMetaOutsideModule);\n      }\n\n      this.sawUnambiguousESM = true;\n    }\n\n    return this.parseMetaProperty(node, id, \"meta\");\n  }\n\n  parseLiteral(value, type, startPos, startLoc) {\n

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startPos = startPos || this.state.start;\n  startLoc = startLoc || this.state.startLoc;\n  const node =
this.startNodeAt(startPos, startLoc);\n  this.addExtra(node, "rawValue", value);\n  this.addExtra(node, "raw",
this.input.slice(startPos, this.state.end));\n  node.value = value;\n  this.next();\n  return this.finishNode(node,
type);\n }\n\n parseParenAndDistinguishExpression(canBeArrow) {\n  const startPos = this.state.start;\n  const
startLoc = this.state.startLoc;\n  let val;\n  this.next();\n  this.expressionScope.enter(newArrowHeadScope);\n  const oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n  const
oldInFSharpPipelineDirectBody = this.state.inFSharpPipelineDirectBody;\n  this.state.maybeInArrowParameters =
true;\n  this.state.inFSharpPipelineDirectBody = false;\n  const innerStartPos = this.state.start;\n  const
innerStartLoc = this.state.startLoc;\n  const exprList = [];\n  const refExpressionErrors = new
ExpressionErrors();\n  const refNeedsArrowPos = {\n    start: 0\n  };\n  let first = true;\n  let spreadStart;\n  let optionalCommaStart;\n\n  while (!this.match(types$1.parenR)) {\n    if (first) {\n      first = false;\n    } else
{\n      this.expect(types$1.comma, refNeedsArrowPos.start || null);\n      if (this.match(types$1.parenR)) {\n
optionalCommaStart = this.state.start;\n      break;\n    }\n  }\n\n  if (this.match(types$1.ellipsis)) {\n
const spreadNodeStartPos = this.state.start;\n    const spreadNodeStartLoc = this.state.startLoc;\n    spreadStart
= this.state.start;\n    exprList.push(this.parseParenItem(this.parseRestBinding(), spreadNodeStartPos,
spreadNodeStartLoc));\n    this.checkCommaAfterRest(41);\n    break;\n  } else {\n
exprList.push(this.parseMaybeAssignAllowIn(refExpressionErrors, this.parseParenItem, refNeedsArrowPos));\n
}\n }\n\n  const innerEndPos = this.state.lastTokEnd;\n  const innerEndLoc = this.state.lastTokEndLoc;\n
this.expect(types$1.parenR);\n  this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n  this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n  let arrowNode =
this.startNodeAt(startPos, startLoc);\n  if (canBeArrow && this.shouldParseArrow() && (arrowNode =
this.parseArrow(arrowNode))) {\n    this.expressionScope.validateAsPattern();\n    this.expressionScope.exit();\n    this.parseArrowExpression(arrowNode, exprList, false);\n    return arrowNode;\n  }\n\n
this.expressionScope.exit();\n\n  if (!exprList.length) {\n    this.unexpected(this.state.lastTokStart);\n  }\n\n  if
(optionalCommaStart) this.unexpected(optionalCommaStart);\n  if (spreadStart) this.unexpected(spreadStart);\n
this.checkExpressionErrors(refExpressionErrors, true);\n  if (refNeedsArrowPos.start)
this.unexpected(refNeedsArrowPos.start);\n  this.toReferencedListDeep(exprList, true);\n\n  if (exprList.length >
1) {\n    val = this.startNodeAt(innerStartPos, innerStartLoc);\n    val.expressions = exprList;\n    this.finishNodeAt(val, "SequenceExpression", innerEndPos, innerEndLoc);\n  } else {\n    val = exprList[0];\n  }\n\n
if (!this.options.createParenthesizedExpressions) {\n    this.addExtra(val, "parenthesized", true);\n  }\n\n
this.addExtra(val, "parenStart", startPos);\n  return val;\n }\n\n  const parenExpression =
this.startNodeAt(startPos, startLoc);\n  parenExpression.expression = val;\n  this.finishNode(parenExpression,
"ParenthesizedExpression");\n  return parenExpression;\n }\n\n  shouldParseArrow() {\n    return
!this.canInsertSemicolon();\n  }\n\n  parseArrow(node) {\n    if (this.eat(types$1.arrow)) {\n      return node;\n    }\n  }\n\n
parseParenItem(node, startPos, startLoc) {\n    return node;\n  }\n\n  parseNewOrNewTarget() {\n    const
node = this.startNode();\n    this.next();\n\n    if (this.match(types$1.dot)) {\n      const meta =
this.createIdentifier(this.startNodeAtNode(node), "new");\n      this.next();\n      const metaProp =
this.parseMetaProperty(node, meta, "target");\n\n      if (!this.scope.inNonArrowFunction && !this.scope.inClass)
{\n        this.raise(metaProp.start, ErrorMessages.UnexpectedNewTarget);\n      }\n\n      return metaProp;\n    }\n\n
return this.parseNew(node);\n  }\n\n  parseNew(node) {\n    node.callee = this.parseNoCallExpr();\n\n    if
(node.callee.type === "Import") {\n      this.raise(node.callee.start,
ErrorMessages.ImportCallNotNewExpression);\n    } else if (this.isOptionalChain(node.callee)) {\n
this.raise(this.state.lastTokEnd, ErrorMessages.OptionalChainingNoNew);\n    } else if
(this.eat(types$1.questionDot)) {\n      this.raise(this.state.start, ErrorMessages.OptionalChainingNoNew);\n    }\n\n
this.parseNewArguments(node);\n    return this.finishNode(node, "NewExpression");\n  }\n\n
parseNewArguments(node) {\n    if (this.eat(types$1.parenL)) {\n      const args =
this.parseExprList(types$1.parenR);\n      this.toReferencedList(args);\n      node.arguments = args;\n    } else {\n
node.arguments = [];\n    }\n  }\n\n  parseTemplateElement(isTagged) {\n    const elem = this.startNode();\n\n    if

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(this.state.value === null) {\n  if (!isTagged) {\n    this.raise(this.state.start + 1,
ErrorMessages.InvalidEscapeSequenceTemplate);\n  }\n }\n\n elem.value = {\n  raw:
this.input.slice(this.state.start, this.state.end).replace(/\\r\\n?/g, "\\n"),\n  cooked: this.state.value\n };\n
this.next();\n elem.tail = this.match(types$1.backQuote);\n return this.finishNode(elem, "TemplateElement");\n
}\n\n parseTemplate(isTagged) {\n  const node = this.startNode();\n  this.next();\n  node.expressions = [];\n  let
curElt = this.parseTemplateElement(isTagged);\n  node.quasis = [curElt];\n  while (!curElt.tail) {\n
this.expect(types$1.dollarBraceL);\n  node.expressions.push(this.parseTemplateSubstitution());\n
this.expect(types$1.braceR);\n  node.quasis.push(curElt = this.parseTemplateElement(isTagged));\n  }\n\n
this.next();\n  return this.finishNode(node, "TemplateLiteral");\n }\n\n parseTemplateSubstitution() {\n  return
this.parseExpression();\n }\n\n parseObjectLike(close, isPattern, isRecord, refExpressionErrors) {\n  if (isRecord)
{\n    this.expectPlugin("recordAndTuple");\n  }\n\n  const oldInFSharpPipelineDirectBody =
this.state.inFSharpPipelineDirectBody;\n  this.state.inFSharpPipelineDirectBody = false;\n  const propHash =
Object.create(null);\n  let first = true;\n  const node = this.startNode();\n  node.properties = [];\n  this.next();\n\n  while (!this.match(close)) {\n    if (first) {\n      first = false;\n    } else {\n      this.expect(types$1.comma);\n\n      if (this.match(close)) {\n        this.addExtra(node, "trailingComma", this.state.lastTokStart);\n        break;\n      }\n    }\n\n    const prop = this.parsePropertyDefinition(isPattern, refExpressionErrors);\n\n    if (!isPattern) {\n      this.checkProto(prop, isRecord, propHash, refExpressionErrors);\n    }\n\n    if (isRecord &&
!this.isObjectProperty(prop) && prop.type !== "SpreadElement") {\n      this.raise(prop.start,
ErrorMessages.InvalidRecordProperty);\n    }\n\n    if (prop.shorthand) {\n      this.addExtra(prop, "shorthand",
true);\n    }\n\n    node.properties.push(prop);\n  }\n\n  this.state.exprAllowed = false;\n  this.next();\n
this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n  let type = "ObjectExpression";\n\n  if (isPattern) {\n    type = "ObjectPattern";\n  } else if (isRecord) {\n    type = "RecordExpression";\n  }\n\n  return this.finishNode(node, type);\n }\n\n maybeAsyncOrAccessorProp(prop) {\n  return !prop.computed &&
prop.key.type === "Identifier" && (this.isLiteralPropertyName() || this.match(types$1.bracketL) ||
this.match(types$1.star));\n }\n\n parsePropertyDefinition(isPattern, refExpressionErrors) {\n  let decorators =
[];\n\n  if (this.match(types$1.at)) {\n    if (this.hasPlugin("decorators")) {\n      this.raise(this.state.start,
ErrorMessages.UnsupportedPropertyDecorator);\n    }\n\n    while (this.match(types$1.at)) {\n      decorators.push(this.parseDecorator());\n    }\n\n    const prop = this.startNode();\n    let isGenerator = false;\n    let isAsync = false;\n    let isAccessor = false;\n    let startPos;\n    let startLoc;\n\n    if
(this.match(types$1.ellipsis)) {\n      if (decorators.length) this.unexpected();\n      if (isPattern) {\n        this.next();\n        prop.argument = this.parseIdentifier();\n        this.checkCommaAfterRest(125);\n        return
this.finishNode(prop, "RestElement");\n      }\n\n      return this.parseSpread();\n    }\n\n    if (decorators.length) {\n      prop.decorators = decorators;\n      decorators = [];\n    }\n\n    prop.method = false;\n\n    if (isPattern ||
refExpressionErrors) {\n      startPos = this.state.start;\n      startLoc = this.state.startLoc;\n    }\n\n    if (!isPattern)
{\n      isGenerator = this.eat(types$1.star);\n    }\n\n    const containsEsc = this.state.containsEsc;\n    const key =
this.parsePropertyName(prop, false);\n\n    if (!isPattern && !isGenerator && !containsEsc &&
this.maybeAsyncOrAccessorProp(prop)) {\n      const keyName = key.name;\n\n      if (keyName === "async" &&
!this.hasPrecedingLineBreak()) {\n        isAsync = true;\n        isGenerator = this.eat(types$1.star);\n      }\n\n      this.parsePropertyName(prop, false);\n    }\n\n    if (keyName === "get" || keyName === "set") {\n      isAccessor = true;\n      prop.kind = keyName;\n\n      if (this.match(types$1.star)) {\n        isGenerator = true;\n        this.raise(this.state.pos, ErrorMessages.AccessorIsGenerator, keyName);\n        this.next();\n      }\n\n      this.parsePropertyName(prop, false);\n    }\n  }\n\n  this.parseObjPropValue(prop, startPos, startLoc,
isGenerator, isAsync, isPattern, isAccessor, refExpressionErrors);\n  return prop;\n }\n\n
getterSetterExpectedParamCount(method) {\n  return method.kind === "get" ? 0 : 1;\n }\n\n
getObjectOrClassMethodParams(method) {\n  return method.params;\n }\n\n checkGetterSetterParams(method)
{\n  var _params;\n\n  const paramCount = this.getGetterSetterExpectedParamCount(method);\n  const params =
this.getObjectOrClassMethodParams(method);\n  const start = method.start;\n\n  if (params.length !==
paramCount) {\n    if (method.kind === "get") {\n      this.raise(start, ErrorMessages.BadGetterArity);\n    }

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else {
  this.raise(start, ErrorMessages.BadSetterArity);
}
if (method.kind === "set" &&
  ((_params = params[params.length - 1]) === null ? void 0 : _params.type) === "RestElement") {
  this.raise(start, ErrorMessages.BadSetterRestParameter);
}
parseObjectMethod(prop, isGenerator,
  isAsync, isPattern, isAccessor) {
  if (isAccessor) {
    this.parseMethod(prop, isGenerator, false, false, false,
      "ObjectMethod");
    this.checkGetterSetterParams(prop);
    return prop;
  }
  if (isAsync || isGenerator || this.match(types$.parenL)) {
    if (isPattern) this.unexpected();
    prop.kind = "method";
    prop.method = true;
    return this.parseMethod(prop, isGenerator, isAsync, false, false, "ObjectMethod");
  }
}
parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors) {
  prop.shorthand = false;
  if (this.eat(types$.colon)) {
    prop.value = isPattern ? this.parseMaybeDefault(this.state.start, this.state.startLoc) :
      this.parseMaybeAssignAllowIn(refExpressionErrors);
    return this.finishNode(prop, "ObjectProperty");
  }
  if (!prop.computed && prop.key.type === "Identifier") {
    this.checkReservedWord(prop.key.name,
      prop.key.start, true, false);
    if (isPattern) {
      prop.value = this.parseMaybeDefault(startPos, startLoc,
        prop.key.__clone());
    } else if (this.match(types$.eq) && refExpressionErrors) {
      if (refExpressionErrors.shorthandAssign === -1) {
        refExpressionErrors.shorthandAssign = this.state.start;
      }
      prop.value = this.parseMaybeDefault(startPos, startLoc, prop.key.__clone());
    } else {
      prop.value = prop.key.__clone();
    }
    prop.shorthand = true;
    return this.finishNode(prop, "ObjectProperty");
  }
}
parseObjPropValue(prop, startPos, startLoc, isGenerator, isAsync, isPattern,
  isAccessor, refExpressionErrors) {
  const node = this.parseObjectMethod(prop, isGenerator, isAsync, isPattern,
    isAccessor) || this.parseObjectProperty(prop, startPos, startLoc, isPattern, refExpressionErrors);
  if (!node) this.unexpected();
  return node;
}
parsePropertyName(prop, isPrivateNameAllowed) {
  if (this.eat(types$.bracketL)) {
    prop.computed = true;
    prop.key = this.parseMaybeAssignAllowIn();
    this.expect(types$.bracketR);
  } else {
    const oldInPropertyName = this.state.inPropertyName;
    this.state.inPropertyName = true;
    const type = this.state.type;
    prop.key = type === types$.num || type === types$.string || type === types$.bigint || type === types$.decimal ? this.parseExprAtom() :
      this.parseMaybePrivateName(isPrivateNameAllowed);
    if (type !== types$.privateName) {
      prop.computed = false;
    }
    this.state.inPropertyName = oldInPropertyName;
  }
  return prop.key;
}
initFunction(node, isAsync) {
  node.id = null;
  node.generator = false;
  node.async = !!isAsync;
}
parseMethod(node, isGenerator, isAsync, isConstructor, allowDirectSuper, type, inClassScope = false) {
  this.initFunction(node, isAsync);
  node.generator = !!isGenerator;
  const allowModifiers = isConstructor;
  this.scope.enter(SCOPE_FUNCTION | SCOPE_SUPER | (inClassScope ? SCOPE_CLASS : 0) | (allowDirectSuper ? SCOPE_DIRECT_SUPER : 0));
  this.prodParam.enter(functionFlags(isAsync, node.generator));
  this.parseFunctionParams(node, allowModifiers);
  this.parseFunctionBodyAndFinish(node, type, true);
  this.prodParam.exit();
  this.scope.exit();
  return node;
}
parseArrayLike(close, canBePattern, isTuple, refExpressionErrors) {
  if (isTuple) {
    this.expectPlugin("recordAndTuple");
  }
  const oldInFSharpPipelineDirectBody = this.state.inFSharpPipelineDirectBody;
  this.state.inFSharpPipelineDirectBody = false;
  const node = this.startNode();
  this.next();
  node.elements = this.parseExprList(close, !isTuple, refExpressionErrors, node);
  this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;
  return this.finishNode(node, isTuple ? "TupleExpression" : "ArrayExpression");
}
parseArrowExpression(node, params, isAsync, trailingCommaPos) {
  this.scope.enter(SCOPE_FUNCTION | SCOPE_ARROW);
  let flags = functionFlags(isAsync, false);
  if (!this.match(types$.bracketL) && this.prodParam.hasIn) {
    flags |= PARAM_IN;
  }
  this.prodParam.enter(flags);
  this.initFunction(node, isAsync);
  const oldMaybeInArrowParameters = this.state.maybeInArrowParameters;
  if (params) {
    this.state.maybeInArrowParameters = true;
    this.setArrowFunctionParameters(node, params, trailingCommaPos);
  }
  this.state.maybeInArrowParameters = false;
  this.parseFunctionBody(node, true);
  this.prodParam.exit();
  this.scope.exit();
  this.state.maybeInArrowParameters = oldMaybeInArrowParameters;
  return this.finishNode(node, "ArrowFunctionExpression");
}
setArrowFunctionParameters(node, params, trailingCommaPos) {
  node.params = this.toAssignableList(params, trailingCommaPos, false);
}

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parseFunctionBodyAndFinish(node, type, isMethod = false) {\n  this.parseFunctionBody(node, false, isMethod);\n  this.finishNode(node, type);\n}\n\n parseFunctionBody(node, allowExpression, isMethod = false) {\n  const\n  isExpression = allowExpression && !this.match(types$1.braceL);\n\n  this.expressionScope.enter(newExpressionScope());\n\n  if (isExpression) {\n    node.body =\n    this.parseMaybeAssign();\n    this.checkParams(node, false, allowExpression, false);\n  } else {\n    const\n    oldStrict = this.state.strict;\n    const oldLabels = this.state.labels;\n    this.state.labels = [];\n\n    this.prodParam.enter(this.prodParam.currentFlags() | PARAM_RETURN);\n    node.body = this.parseBlock(true,\n    false, hasStrictModeDirective => {\n      const nonSimple = !this.isSimpleParamList(node.params);\n\n      if\n      (hasStrictModeDirective && nonSimple) {\n        const errorPos = (node.kind === \"method\" || node.kind ===\n        \"constructor\") && !node.key ? node.key.end : node.start;\n        this.raise(errorPos,\n        ErrorMessages.IllegalLanguageModeDirective);\n      }\n\n      const strictModeChanged = !oldStrict &&\n      this.state.strict;\n      this.checkParams(node, !this.state.strict && !allowExpression && !isMethod &&\n      !nonSimple, allowExpression, strictModeChanged);\n\n      if (this.state.strict && node.id) {\n        this.checkLVal(node.id, \"function name\", BIND_OUTSIDE, undefined, undefined, strictModeChanged);\n      }\n\n      this.prodParam.exit();\n      this.expressionScope.exit();\n      this.state.labels = oldLabels;\n    }\n\n    isSimpleParamList(params) {\n      for (let i = 0, len = params.length; i < len; i++) {\n        if (params[i].type !==\n        \"Identifier\") return false;\n      }\n      return true;\n    }\n\n    checkParams(node, allowDuplicates, isArrowFunction,\n    strictModeChanged = true) {\n      const checkClashes = new Set();\n      for (const param of node.params) {\n        this.checkLVal(param, \"function parameter list\", BIND_VAR, allowDuplicates ? null : checkClashes, undefined,\n        strictModeChanged);\n      }\n    }\n\n    parseExprList(close, allowEmpty, refExpressionErrors, nodeForExtra) {\n      const elts = [];\n      let first = true;\n      while (!this.eat(close)) {\n        if (first) {\n          first = false;\n        } else {\n          this.expect(types$1.comma);\n        }\n        if (this.match(close)) {\n          if (nodeForExtra) {\n            this.addExtra(nodeForExtra, \"trailingComma\", this.state.lastTokStart);\n          }\n          this.next();\n          break;\n        }\n        elts.push(this.parseExprListItem(allowEmpty, refExpressionErrors));\n      }\n      return\n      elts;\n    }\n\n    parseExprListItem(allowEmpty, refExpressionErrors, refNeedsArrowPos, allowPlaceholder) {\n      let\n      elt;\n      if (this.match(types$1.comma)) {\n        if (!allowEmpty) {\n          this.raise(this.state.pos,\n          ErrorMessages.UnexpectedToken, \",\");\n        }\n        elt = null;\n      } else if (this.match(types$1.ellipsis)) {\n        const spreadNodeStartPos = this.state.start;\n        const spreadNodeStartLoc = this.state.startLoc;\n        elt =\n        this.parseParenItem(this.parseSpread(refExpressionErrors, refNeedsArrowPos), spreadNodeStartPos,\n        spreadNodeStartLoc);\n      } else if (this.match(types$1.question)) {\n        this.expectPlugin(\"partialApplication\");\n        if (!allowPlaceholder) {\n          this.raise(this.state.start,\n          ErrorMessages.UnexpectedArgumentPlaceholder);\n        }\n        const node = this.startNode();\n        this.next();\n        elt =\n        this.finishNode(node, \"ArgumentPlaceholder\");\n      } else {\n        elt =\n        this.parseMaybeAssignAllowIn(refExpressionErrors, this.parseParenItem, refNeedsArrowPos);\n      }\n      return\n      elt;\n    }\n\n    parseIdentifier(liberal) {\n      const node = this.startNode();\n      const name =\n      this.parseIdentifierName(node.start, liberal);\n      return this.createIdentifier(node, name);\n    }\n\n    createIdentifier(node, name) {\n      node.name = name;\n      node.loc.identifierName = name;\n      return\n      this.finishNode(node, \"Identifier\");\n    }\n\n    parseIdentifierName(pos, liberal) {\n      let name;\n      const {\n      start,\n      type\n      } = this.state;\n      if (type === types$1.name) {\n        name = this.state.value;\n      } else if\n      (type.keyword) {\n        name = type.keyword;\n        const curContext = this.curContext();\n        if (((type ===\n        types$1._class || type === types$1._function) && (curContext === types.functionStatement || curContext ===\n        types.functionExpression)) {\n          this.state.context.pop();\n        }\n      } else {\n        throw this.unexpected();\n      }\n\n      if (liberal) {\n        this.state.type = types$1.name;\n      } else {\n        this.checkReservedWord(name, start,\n        !type.keyword, false);\n      }\n      this.next();\n      return name;\n    }\n\n    checkReservedWord(word, startLoc,\n    checkKeywords, isBinding) {\n      if (this.prodParam.hasYield && word === \"yield\") {\n        this.raise(startLoc,\n        ErrorMessages.YieldBindingIdentifier);\n      }\n      return;\n    }\n\n    if (word === \"await\") {\n      if\n      (this.prodParam.hasAwait) {\n        this.raise(startLoc, ErrorMessages.AwaitBindingIdentifier);\n      }\n      return;\n    }\n    else if (this.scope.inStaticBlock && !this.scope.inNonArrowFunction) {\n      this.raise(startLoc,\n
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ErrorMessages.AwaitBindingIdentifierInStaticBlock);
return;
} else {
this.expressionScope.recordAsyncArrowParametersError(startLoc, ErrorMessages.AwaitBindingIdentifier);
}
}
if (this.scope.inClass && !this.scope.inNonArrowFunction && word === "arguments") {
this.raise(startLoc, ErrorMessages.ArgumentsInClass);
return;
}
if (checkKeywords && isKeyword(word)) {
this.raise(startLoc, ErrorMessages.UnexpectedKeyword, word);
return;
}
const reservedTest = !this.state.strict ? isReservedWord : isBinding ? isStrictBindReservedWord : isStrictReservedWord;
if (reservedTest(word, this.inModule)) {
this.raise(startLoc, ErrorMessages.UnexpectedReservedWord, word);
}
}
isAwaitAllowed() {
if (this.prodParam.hasAwait) return true;
if (this.options.allowAwaitOutsideFunction && !this.scope.inFunction) return true;
}
return false;
}
parseAwait(startPos, startLoc) {
const node = this.startNodeAt(startPos, startLoc);
this.expressionScope.recordParameterInitializerError(node.start, ErrorMessages.AwaitExpressionFormalParameter);
if (this.eat(types$1.star)) {
this.raise(node.start, ErrorMessages.ObsoleteAwaitStar);
}
if (!this.scope.inFunction && !this.options.allowAwaitOutsideFunction) {
if (this.isAmbiguousAwait()) {
this.ambiguousScriptDifferentAst = true;
} else {
this.sawUnambiguousESM = true;
}
}
if (!this.state.soloAwait) {
node.argument = this.parseMaybeUnary(null, true);
}
return this.finishNode(node, "AwaitExpression");
}
isAmbiguousAwait() {
return this.hasPrecedingLineBreak() || this.match(types$1.plusMin) || this.match(types$1.parenL) || this.match(types$1.bracketL) || this.match(types$1.backQuote) || this.match(types$1.regexp) || this.match(types$1.slash) || this.hasPlugin("v8intrinsic") && this.match(types$1.modulo);
}
parseYield() {
const node = this.startNode();
this.expressionScope.recordParameterInitializerError(node.start, ErrorMessages.YieldInParameter);
this.next();
if (this.match(types$1.semi) || !this.match(types$1.star) && !this.state.type.startsExpr || this.hasPrecedingLineBreak()) {
node.delegate = false;
node.argument = null;
} else {
node.delegate = this.eat(types$1.star);
node.argument = this.parseMaybeAssign();
}
return this.finishNode(node, "YieldExpression");
}
checkPipelineAtInfixOperator(left, leftStartPos) {
if (this.getPluginOption("pipelineOperator", "proposal") === "smart") {
if (left.type === "SequenceExpression") {
this.raise(leftStartPos, ErrorMessages.PipelineHeadSequenceExpression);
}
}
}
parseSmartPipelineBody(childExpression, startPos, startLoc) {
this.checkSmartPipelineBodyEarlyErrors(childExpression, startPos);
return this.parseSmartPipelineBodyInStyle(childExpression, startPos, startLoc);
}
checkSmartPipelineBodyEarlyErrors(childExpression, startPos) {
if (this.match(types$1.arrow)) {
throw this.raise(this.state.start, ErrorMessages.PipelineBodyNoArrow);
} else if (childExpression.type === "SequenceExpression") {
this.raise(startPos, ErrorMessages.PipelineBodySequenceExpression);
}
}
}
parseSmartPipelineBodyInStyle(childExpression, startPos, startLoc) {
const bodyNode = this.startNodeAt(startPos, startLoc);
const isSimpleReference = this.isSimpleReference(childExpression);
if (isSimpleReference) {
bodyNode.callee = childExpression;
} else {
if (!this.topicReferenceWasUsedInCurrentTopicContext()) {
this.raise(startPos, ErrorMessages.PipelineTopicUnused);
}
bodyNode.expression = childExpression;
}
return this.finishNode(bodyNode, isSimpleReference ? "PipelineBareFunction" : "PipelineTopicExpression");
}
isSimpleReference(expression) {
switch (expression.type) {
case "MemberExpression":
return !expression.computed && this.isSimpleReference(expression.object);
case "Identifier":
return true;
default:
return false;
}
}
withTopicPermittingContext(callback) {
const outerContextTopicState = this.state.topicContext;
this.state.topicContext = {
maxNumOfResolvableTopics: 1,
maxTopicIndex: null
};
try {
return callback();
} finally {
this.state.topicContext = outerContextTopicState;
}
}
withTopicForbiddingContext(callback) {
const outerContextTopicState = this.state.topicContext;
this.state.topicContext = {
maxNumOfResolvableTopics: 0,
maxTopicIndex: null
};
try {
return callback();
} finally {
this.state.topicContext = outerContextTopicState;
}
}
withSoloAwaitPermittingContext(callback) {
const outerContextSoloAwaitState =

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this.state.soloAwait;\n  this.state.soloAwait = true;\n\n  try {\n    return callback();\n  } finally {\n
this.state.soloAwait = outerContextSoloAwaitState;\n  }\n}\n\n allowInAnd(callback) {\n  const flags =
this.prodParam.currentFlags();\n  const prodParamToSet = PARAM_IN & ~flags;\n\n  if (prodParamToSet) {\n
this.prodParam.enter(flags | PARAM_IN);\n\n  try {\n    return callback();\n  } finally {\n
this.prodParam.exit();\n  }\n}\n\n return callback();\n}\n\n disallowInAnd(callback) {\n  const flags =
this.prodParam.currentFlags();\n  const prodParamToClear = PARAM_IN & flags;\n\n  if (prodParamToClear)
{\n    this.prodParam.enter(flags & ~PARAM_IN);\n\n    try {\n      return callback();\n    } finally {\n
this.prodParam.exit();\n    }\n  }\n\n  return callback();\n}\n\n registerTopicReference() {\n
this.state.topicContext.maxTopicIndex = 0;\n}\n\n primaryTopicReferenceIsAllowedInCurrentTopicContext() {\n
return this.state.topicContext.maxNumOfResolvableTopics >= 1;\n}\n\n
topicReferenceWasUsedInCurrentTopicContext() {\n  return this.state.topicContext.maxTopicIndex != null &&
this.state.topicContext.maxTopicIndex >= 0;\n}\n\n parseFSharpPipelineBody(prec) {\n  const startPos =
this.state.start;\n  const startLoc = this.state.startLoc;\n  this.state.potentialArrowAt = this.state.start;\n  const
oldInFSharpPipelineDirectBody = this.state.inFSharpPipelineDirectBody;\n
this.state.inFSharpPipelineDirectBody = true;\n  const ret = this.parseExprOp(this.parseMaybeUnary(), startPos,
startLoc, prec);\n  this.state.inFSharpPipelineDirectBody = oldInFSharpPipelineDirectBody;\n  return ret;\n}\n\n
parseModuleExpression() {\n  this.expectPlugin(\"moduleBlocks\");\n  const node = this.startNode();\n
this.next();\n  this.eat(types$1.braceL);\n  const revertScopes = this.initializeScopes(true);\n
this.enterInitialScopes();\n  const program = this.startNode();\n\n  try {\n    node.body =
this.parseProgram(program, types$1.braceR, \"module\");\n  } finally {\n    revertScopes();\n  }\n\n
this.eat(types$1.braceR);\n  return this.finishNode(node, \"ModuleExpression\");\n}\n\n}\n\nconst loopLabel =
{\n  kind: \"loop\"\n},\n  switchLabel = {\n  kind: \"switch\"\n};\n\nconst FUNC_NO_FLAGS = 0b000,\n  FUNC_STATEMENT = 0b001,\n  FUNC_HANGING_STATEMENT = 0b010,\n  FUNC_NULLABLE_ID =
0b100;\n\nconst loneSurrogate = /[\u00D800-\u00DFFF]/u;\n\nfunction babel7CompatTokens(tokens) {\n  {\n  for (let i
= 0; i < tokens.length; i++) {\n    const token = tokens[i];\n\n    if (token.type === types$1.privateName) {\n
const {\n      loc,\n      start,\n      value,\n      end\n    } = token;\n    const hashEndPos = start + 1;\n
const hashEndLoc = new Position(loc.start.line, loc.start.column + 1);\n    tokens.splice(i, 1, new Token({\n
type: types$1.hash,\n      value: \"#\",\n      start: start,\n      end: hashEndPos,\n      startLoc: loc.start,\n
endLoc: hashEndLoc\n    }), new Token({\n      type: types$1.name,\n      value: value,\n      start:
hashEndPos,\n      end: end,\n      startLoc: hashEndLoc,\n      endLoc: loc.end\n    }));\n  }\n}\n}\n}\n
return tokens;\n}\n\n\nclass StatementParser extends ExpressionParser {\n  parseTopLevel(file, program) {\n
file.program = this.parseProgram(program);\n  file.comments = this.state.comments;\n  if (this.options.tokens)
file.tokens = babel7CompatTokens(this.tokens);\n  return this.finishNode(file, \"File\");\n}\n\n
parseProgram(program, end = types$1.eof, sourceType = this.options.sourceType) {\n  program.sourceType =
sourceType;\n  program.interpreter = this.parseInterpreterDirective();\n  this.parseBlockBody(program, true, true,
end);\n\n  if (this.inModule && !this.options.allowUndeclaredExports && this.scope.undefinedExports.size > 0)
{\n    for (const [name] of Array.from(this.scope.undefinedExports)) {\n      const pos =
this.scope.undefinedExports.get(name);\n      this.raise(pos, ErrorMessages.ModuleExportUndefined, name);\n
}\n  }\n\n  return this.finishNode(program, \"Program\");\n}\n\n  stmtToDirective(stmt) {\n  const expr =
stmt.expression;\n  const directiveLiteral = this.startNodeAt(expr.start, expr.loc.start);\n  const directive =
this.startNodeAt(stmt.start, stmt.loc.start);\n  const raw = this.input.slice(expr.start, expr.end);\n  const val =
directiveLiteral.value = raw.slice(1, -1);\n  this.addExtra(directiveLiteral, \"raw\", raw);\n
this.addExtra(directiveLiteral, \"rawValue\", val);\n  directive.value = this.finishNodeAt(directiveLiteral,
\"DirectiveLiteral\", expr.end, expr.loc.end);\n  return this.finishNodeAt(directive, \"Directive\", stmt.end,
stmt.loc.end);\n}\n\n  parseInterpreterDirective() {\n  if (!this.match(types$1.interpreterDirective)) {\n  return
null;\n  }\n\n  const node = this.startNode();\n  node.value = this.state.value;\n  this.next();\n  return
this.finishNode(node, \"InterpreterDirective\");\n}\n\n  isLet(context) {\n  if (!this.isContextual(\"let\")) {\n
return false;\n  }\n\n  return this.isLetKeyword(context);\n}\n\n  isLetKeyword(context) {\n  const next =

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this.nextTokenStart();\n  const nextCh = this.input.charCodeAt(next);\n\n  if (nextCh === 92 || nextCh === 91)
  {\n    return true;\n  }\n\n  if (context) return false;\n  if (nextCh === 123) return true;\n\n  if
  (isIdentifierStart(nextCh)) {\n    let pos = next + 1;\n\n    while (isIdentifierChar(this.input.charCodeAt(pos))) {\n
    ++pos;\n    }\n\n    const ident = this.input.slice(next, pos);\n    if (!keywordRelationalOperator.test(ident))
    return true;\n  }\n\n  return false;\n}\n\n  parseStatement(context, topLevel) {\n    if (this.match(types$.at)) {\n
    this.parseDecorators(true);\n    }\n\n    return this.parseStatementContent(context, topLevel);\n  }\n\n  parseStatementContent(context, topLevel) {\n    let startType = this.state.type;\n    const node = this.startNode();\n
    let kind;\n\n    if (this.isLet(context)) {\n      startType = types$.var;\n      kind = "let";\n    }\n\n    switch
    (startType) {\n      case types$.break:\n      case types$.continue:\n      return
    this.parseBreakContinueStatement(node, startType.keyword);\n\n      case types$.debugger:\n      return
    this.parseDebuggerStatement(node);\n\n      case types$.do:\n      return this.parseDoStatement(node);\n\n
    case types$.for:\n      return this.parseForStatement(node);\n\n      case types$.function:\n      if
    (this.lookaheadCharCode() === 46) break;\n\n      if (context) {\n        if (this.state.strict) {\n
        this.raise(this.state.start, ErrorMessages.StrictFunction);\n        }\n      } else if (context !== "if" && context !==
    "label") {\n        this.raise(this.state.start, ErrorMessages.SloppyFunction);\n        }\n      }\n\n      return
    this.parseFunctionStatement(node, false, !context);\n\n      case types$.class:\n      if (context)
    this.unexpected();\n      return this.parseClass(node, true);\n\n      case types$.if:\n      return
    this.parseIfStatement(node);\n\n      case types$.return:\n      return this.parseReturnStatement(node);\n\n
    case types$.switch:\n      return this.parseSwitchStatement(node);\n\n      case types$.throw:\n      return
    this.parseThrowStatement(node);\n\n      case types$.try:\n      return this.parseTryStatement(node);\n\n
    case types$.const:\n      case types$.var:\n      kind = kind || this.state.value;\n\n      if (context && kind !==
    "var") {\n        this.raise(this.state.start, ErrorMessages.UnexpectedLexicalDeclaration);\n        }\n\n      return
    this.parseVarStatement(node, kind);\n\n      case types$.while:\n      return this.parseWhileStatement(node);\n\n
    case types$.with:\n      return this.parseWithStatement(node);\n\n      case types$.bracketL:\n      return
    this.parseBlock();\n\n      case types$.semi:\n      return this.parseEmptyStatement(node);\n\n      case
    types$.import:\n      {\n        const nextTokenCharCode = this.lookaheadCharCode();\n        if
        (nextTokenCharCode === 40 || nextTokenCharCode === 46) {\n          break;\n        }\n      }\n\n      case
    types$.export:\n      {\n        if (!this.options.allowImportExportEverywhere && !topLevel) {\n
        this.raise(this.state.start, ErrorMessages.UnexpectedImportExport);\n        }\n\n        this.next();\n        let
        result;\n\n        if (startType === types$.import) {\n          result = this.parseImport(node);\n\n          if
          (result.type === "ImportDeclaration" && (!result.importKind || result.importKind === "value")) {\n
            this.sawUnambiguousESM = true;\n          }\n        } else {\n          result = this.parseExport(node);\n\n          if
          (result.type === "ExportNamedDeclaration" && (!result.exportKind || result.exportKind === "value") ||
            result.type === "ExportAllDeclaration" && (!result.exportKind || result.exportKind === "value") || result.type
            === "ExportDefaultDeclaration") {\n            this.sawUnambiguousESM = true;\n          }\n        }\n\n
        this.assertModuleNodeAllowed(node);\n        return result;\n      }\n\n      default:\n      {\n        if
        (this.isAsyncFunction()) {\n          if (context) {\n            this.raise(this.state.start,
            ErrorMessages.AsyncFunctionInSingleStatementContext);\n          }\n\n          this.next();\n          return
          this.parseFunctionStatement(node, true, !context);\n        }\n      }\n\n      const maybeName =
    this.state.value;\n      const expr = this.parseExpression();\n\n      if (startType === types$.name && expr.type ===
    "Identifier" && this.eat(types$.colon)) {\n        return this.parseLabeledStatement(node, maybeName, expr,
        context);\n      } else {\n        return this.parseExpressionStatement(node, expr);\n      }\n    }\n\n
    assertModuleNodeAllowed(node) {\n      if (!this.options.allowImportExportEverywhere && !this.inModule) {\n
        this.raise(node.start, SourceTypeModuleErrorMessages.ImportOutsideModule);\n      }\n    }\n\n
    takeDecorators(node) {\n      const decorators = this.state.decoratorStack[this.state.decoratorStack.length - 1];\n\n      if
      (decorators.length) {\n        node.decorators = decorators;\n        this.resetStartLocationFromNode(node,
        decorators[0]);\n        this.state.decoratorStack[this.state.decoratorStack.length - 1] = [];\n      }\n    }\n\n
    canHaveLeadingDecorator() {\n      return this.match(types$.class);\n    }\n\n    parseDecorators(allowExport) {\n

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const currentContextDecorators = this.state.decoratorStack[this.state.decoratorStack.length - 1];\n\n while
(this.match(types$1.at)) {\n  const decorator = this.parseDecorator();\n
currentContextDecorators.push(decorator);\n } \n\n if (this.match(types$1._export)) {\n  if (!allowExport) {\n
  this.unexpected();\n  }\n\n  if (this.hasPlugin("decorators") && !this.getPluginOption("decorators",
"decoratorsBeforeExport")) {\n    this.raise(this.state.start, ErrorMessages.DecoratorExportClass);\n  } \n }
else if (!this.canHaveLeadingDecorator()) {\n  throw this.raise(this.state.start,
ErrorMessages.UnexpectedLeadingDecorator);\n } \n } \n\n parseDecorator() {\n
this.expectOnePlugin(["decorators-legacy", "decorators"]); \n\n const node = this.startNode(); \n\n this.next(); \n\n
if (this.hasPlugin("decorators")) {\n  this.state.decoratorStack.push([]); \n\n const startPos = this.state.start; \n\n
const startLoc = this.state.startLoc; \n\n let expr; \n\n if (this.eat(types$1.parenL)) {\n  expr =
this.parseExpression(); \n\n this.expect(types$1.parenR); \n } else {\n  expr = this.parseIdentifier(false); \n\n
while (this.eat(types$1.dot)) {\n  const node = this.startNodeAt(startPos, startLoc); \n\n node.object =
expr; \n\n node.property = this.parseIdentifier(true); \n\n node.computed = false; \n\n expr =
this.finishNode(node, "MemberExpression"); \n } \n } \n\n node.expression =
this.parseMaybeDecoratorArguments(expr); \n\n this.state.decoratorStack.pop(); \n } else {\n  node.expression
= this.parseExprSubscripts(); \n } \n\n return this.finishNode(node, "Decorator"); \n } \n\n
parseMaybeDecoratorArguments(expr) {\n  if (this.eat(types$1.parenL)) {\n  const node =
this.startNodeAtNode(expr); \n\n node.callee = expr; \n\n node.arguments =
this.parseCallExpressionArguments(types$1.parenR, false); \n\n this.toReferencedList(node.arguments); \n\n return
this.finishNode(node, "CallExpression"); \n } \n\n return expr; \n } \n\n
parseBreakContinueStatement(node,
keyword) {\n  const isBreak = keyword === "break"; \n\n this.next(); \n\n if (this.isLineTerminator()) {\n
node.label = null; \n } else {\n  node.label = this.parseIdentifier(); \n\n this.semicolon(); \n } \n\n
this.verifyBreakContinue(node, keyword); \n\n return this.finishNode(node, isBreak ? "BreakStatement" :
"ContinueStatement"); \n } \n\n
verifyBreakContinue(node, keyword) {\n  const isBreak = keyword ===
"break"; \n\n let i; \n\n for (i = 0; i < this.state.labels.length; ++i) {\n  const lab = this.state.labels[i]; \n\n
if (node.label == null || lab.name === node.label.name) {\n  if (lab.kind != null && (isBreak || lab.kind ===
"loop")) break; \n\n if (node.label && isBreak) break; \n } \n } \n\n if (i === this.state.labels.length) {\n
this.raise(node.start, ErrorMessages.IllegalBreakContinue, keyword); \n } \n } \n\n
parseDebuggerStatement(node)
{\n  this.next(); \n\n this.semicolon(); \n\n return this.finishNode(node, "DebuggerStatement"); \n } \n\n
parseHeaderExpression() {\n  this.expect(types$1.parenL); \n\n const val = this.parseExpression(); \n\n
this.expect(types$1.parenR); \n\n return val; \n } \n\n
parseDoStatement(node) {\n  this.next(); \n\n
this.state.labels.push(loopLabel); \n\n node.body = this.withTopicForbiddingContext(() =>
this.parseStatement("do")); \n\n this.state.labels.pop(); \n\n this.expect(types$1._while); \n\n node.test =
this.parseHeaderExpression(); \n\n this.eat(types$1.semi); \n\n return this.finishNode(node, "DoWhileStatement"); \n } \n\n
parseForStatement(node) {\n  this.next(); \n\n this.state.labels.push(loopLabel); \n\n let awaitAt = -1; \n\n if
(this.isAwaitAllowed() && this.eatContextual("await")) {\n  awaitAt = this.state.lastTokStart; \n } \n\n
this.scope.enter(SCOPE_OTHER); \n\n this.expect(types$1.parenL); \n\n if (this.match(types$1.semi)) {\n  if
(awaitAt > -1) {\n    this.unexpected(awaitAt); \n } \n\n return this.parseFor(node, null); \n } \n\n const
startsWithLet = this.isContextual("let"); \n\n const isLet = startsWithLet && this.isLetKeyword(); \n\n if
(this.match(types$1._var) || this.match(types$1._const) || isLet) {\n  const init = this.startNode(); \n\n const kind =
isLet ? "let" : this.state.value; \n\n this.next(); \n\n this.parseVar(init, true, kind); \n\n this.finishNode(init,
"VariableDeclaration"); \n\n if ((this.match(types$1._in) || this.isContextual("of")) && init.declarations.length
=== 1) {\n  return this.parseForIn(node, init, awaitAt); \n } \n\n if (awaitAt > -1) {\n
this.unexpected(awaitAt); \n } \n\n return this.parseFor(node, init); \n } \n\n const startsWithUnescapedName
= this.match(types$1.name) && !this.state.containsEsc; \n\n const refExpressionErrors = new ExpressionErrors(); \n\n
const init = this.parseExpression(true, refExpressionErrors); \n\n const isForOf = this.isContextual("of"); \n\n if
(isForOf) {\n  if (startsWithLet) {\n    this.raise(init.start, ErrorMessages.ForOfLet); \n } else if (awaitAt ===
-1 && startsWithUnescapedName && init.type === "Identifier" && init.name === "async") {\n

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this.raise(init.start, ErrorMessages.ForOfAsync);\n  }\n }\n\n if (isForOf || this.match(types$1._in)) {\n
this.toAssignable(init, true);\n  const description = isForOf ? \"for-of statement\" : \"for-in statement\";\n
this.checkLVal(init, description);\n  return this.parseForIn(node, init, awaitAt);\n } else {\n
this.checkExpressionErrors(refExpressionErrors, true);\n }\n\n if (awaitAt > -1) {\n
this.unexpected(awaitAt);\n }\n\n return this.parseFor(node, init);\n }\n\n parseFunctionStatement(node,\n isAsync, declarationPosition) {\n  this.next();\n  return this.parseFunction(node, FUNC_STATEMENT |\n (declarationPosition ? 0 : FUNC_HANGING_STATEMENT), isAsync);\n }\n\n parseIfStatement(node) {\n
this.next();\n  node.test = this.parseHeaderExpression();\n  node.consequent = this.parseStatement(\"if\");\n
node.alternate = this.eat(types$1._else) ? this.parseStatement(\"if\") : null;\n  return this.finishNode(node,\n \"IfStatement\");\n }\n\n parseReturnStatement(node) {\n  if (!this.prodParam.hasReturn &&\n !this.options.allowReturnOutsideFunction) {\n    this.raise(this.state.start, ErrorMessages.IllegalReturn);\n  }\n  this.next();\n\n  if (this.isLineTerminator()) {\n    node.argument = null;\n  } else {\n    node.argument =\n this.parseExpression();\n    this.semicolon();\n  }\n\n  return this.finishNode(node, \"ReturnStatement\");\n }\n\n\n parseSwitchStatement(node) {\n  this.next();\n  node.discriminant = this.parseHeaderExpression();\n  const cases\n = node.cases = [];\n  this.expect(types$1.braceL);\n  this.state.labels.push(switchLabel);\n
this.scope.enter(SCOPE_OTHER);\n  let cur;\n\n  for (let sawDefault; !this.match(types$1.braceR);) {\n    if\n (this.match(types$1._case) || this.match(types$1._default)) {\n      const isCase = this.match(types$1._case);\n
if (cur) this.finishNode(cur, \"SwitchCase\");\n      cases.push(cur = this.startNode());\n      cur.consequent = [];\n
      this.next();\n\n      if (isCase) {\n        cur.test = this.parseExpression();\n      } else {\n        if (sawDefault)\n {\n          this.raise(this.state.lastTokStart, ErrorMessages.MultipleDefaultsInSwitch);\n        }\n\n        sawDefault = true;\n        cur.test = null;\n      }\n\n      this.expect(types$1.colon);\n    } else {\n      if (cur) {\n
cur.consequent.push(this.parseStatement(null));\n      } else {\n        this.unexpected();\n      }\n    }\n
  }\n\n  this.scope.exit();\n  if (cur) this.finishNode(cur, \"SwitchCase\");\n  this.next();\n
this.state.labels.pop();\n  return this.finishNode(node, \"SwitchStatement\");\n }\n\n\n parseThrowStatement(node)\n {\n  this.next();\n\n  if (this.hasPrecedingLineBreak()) {\n    this.raise(this.state.lastTokEnd,\n ErrorMessages.NewlineAfterThrow);\n  }\n\n  node.argument = this.parseExpression();\n  this.semicolon();\n
return this.finishNode(node, \"ThrowStatement\");\n }\n\n\n parseCatchClauseParam() {\n  const param =\n this.parseBindingAtom();\n  const simple = param.type === \"Identifier\";\n  this.scope.enter(simple ?\n SCOPE_SIMPLE_CATCH : 0);\n  this.checkLVal(param, \"catch clause\", BIND_LEXICAL);\n  return param;\n }\n\n\n parseTryStatement(node) {\n  this.next();\n  node.block = this.parseBlock();\n  node.handler = null;\n\n  if (this.match(types$1._catch)) {\n    const clause = this.startNode();\n    this.next();\n\n    if\n (this.match(types$1.parenL)) {\n      this.expect(types$1.parenL);\n      clause.param =\n this.parseCatchClauseParam();\n      this.expect(types$1.parenR);\n    } else {\n      clause.param = null;\n
this.scope.enter(SCOPE_OTHER);\n    }\n\n    clause.body = this.withTopicForbiddingContext(() =>\n this.parseBlock(false, false));\n    this.scope.exit();\n    node.handler = this.finishNode(clause, \"CatchClause\");\n
  }\n\n  node.finalizer = this.eat(types$1._finally) ? this.parseBlock() : null;\n\n  if (!node.handler &&\n !node.finalizer) {\n    this.raise(node.start, ErrorMessages.NoCatchOrFinally);\n  }\n\n  return\n this.finishNode(node, \"TryStatement\");\n }\n\n\n parseVarStatement(node, kind) {\n  this.next();\n
this.parseVar(node, false, kind);\n  this.semicolon();\n  return this.finishNode(node, \"VariableDeclaration\");\n }\n\n\n parseWhileStatement(node) {\n  this.next();\n  node.test = this.parseHeaderExpression();\n
this.state.labels.push(loopLabel);\n  node.body = this.withTopicForbiddingContext(() =>\n this.parseStatement(\"while\"));\n  this.state.labels.pop();\n  return this.finishNode(node, \"WhileStatement\");\n }\n\n\n parseWithStatement(node) {\n  if (this.state.strict) {\n    this.raise(this.state.start,\n ErrorMessages.StrictWith);\n  }\n\n  this.next();\n  node.object = this.parseHeaderExpression();\n  node.body =\n this.withTopicForbiddingContext(() => this.parseStatement(\"with\"));\n  return this.finishNode(node,\n \"WithStatement\");\n }\n\n\n parseEmptyStatement(node) {\n  this.next();\n  return this.finishNode(node,\n \"EmptyStatement\");\n }\n\n\n parseLabeledStatement(node, maybeName, expr, context) {\n  for (const label of\n this.state.labels) {\n    if (label.name === maybeName) {\n      this.raise(expr.start,\n

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ErrorMessages.LabelRedeclaration, maybeName);
    }
    }
    const kind = this.state.type.isLoop ? "loop" :
this.match(types$1._switch) ? "switch" : null;
    for (let i = this.state.labels.length - 1; i >= 0; i--) {
    const
label = this.state.labels[i];
    if (label.statementStart === node.start) {
    label.statementStart =
this.state.start;
    label.kind = kind;
    } else {
    break;
    }
    }
    this.state.labels.push({
name: maybeName,
kind: kind,
statementStart: this.state.start
});
    node.body =
this.parseStatement(context ? context.indexOf("label") === -1 ? context + "label" : context : "label");
    this.state.labels.pop();
    node.label = expr;
    return this.finishNode(node, "LabeledStatement");
}
parseExpressionStatement(node, expr) {
node.expression = expr;
this.semicolon();
return
this.finishNode(node, "ExpressionStatement");
}
parseBlock(allowDirectives = false,
createNewLexicalScope = true, afterBlockParse) {
const node = this.startNode();
if (allowDirectives) {
this.state.strictErrors.clear();
}
this.expect(types$1.braceL);
if (createNewLexicalScope) {
this.scope.enter(SCOPE_OTHER);
}
this.parseBlockBody(node, allowDirectives, false, types$1.braceR,
afterBlockParse);
if (createNewLexicalScope) {
this.scope.exit();
}
return this.finishNode(node,
"BlockStatement");
}
isValidDirective(stmt) {
return stmt.type === "ExpressionStatement" &&
stmt.expression.type === "StringLiteral" && !stmt.expression.extra.parenthesized;
}
parseBlockBody(node, allowDirectives, topLevel, end, afterBlockParse) {
const body = node.body = [];
const directives = node.directives = [];
this.parseBlockOrModuleBlockBody(body, allowDirectives ? directives :
undefined, topLevel, end, afterBlockParse);
}
parseBlockOrModuleBlockBody(body, directives, topLevel,
end, afterBlockParse) {
const oldStrict = this.state.strict;
let hasStrictModeDirective = false;
let
parsedNonDirective = false;
while (!this.match(end)) {
const stmt = this.parseStatement(null,
topLevel);
if (directives && !parsedNonDirective) {
if (this.isValidDirective(stmt)) {
const
directive = this.stmtToDirective(stmt);
directives.push(directive);
if (!hasStrictModeDirective &&
directive.value.value === "use strict") {
hasStrictModeDirective = true;
this.setStrict(true);
}
}
continue;
}
parsedNonDirective = true;
this.state.strictErrors.clear();
}
body.push(stmt);
if (afterBlockParse) {
afterBlockParse.call(this, hasStrictModeDirective);
}
if (!oldStrict) {
this.setStrict(false);
}
}
this.next();
}
parseFor(node, init) {
node.init
= init;
this.semicolon(false);
node.test = this.match(types$1.semi) ? null : this.parseExpression();
this.semicolon(false);
node.update = this.match(types$1.parenR) ? null : this.parseExpression();
this.expect(types$1.parenR);
node.body = this.withTopicForbiddingContext(() =>
this.parseStatement("for"));
this.scope.exit();
this.state.labels.pop();
return this.finishNode(node,
"ForStatement");
}
parseForIn(node, init, awaitAt) {
const isForIn = this.match(types$1._in);
this.next();
if (isForIn) {
if (awaitAt > -1) this.unexpected(awaitAt);
} else {
node.await =
awaitAt > -1;
}
if (init.type === "VariableDeclaration" && init.declarations[0].init != null && (!isForIn ||
this.state.strict || init.kind !== "var" || init.declarations[0].id.type !== "Identifier")) {
this.raise(init.start,
ErrorMessages.ForInOfLoopInitializer, isForIn ? "for-in" : "for-of");
} else if (init.type ===
"AssignmentPattern") {
this.raise(init.start, ErrorMessages.InvalidLhs, "for-loop");
}
node.left =
init;
node.right = isForIn ? this.parseExpression() : this.parseMaybeAssignAllowIn();
this.expect(types$1.parenR);
node.body = this.withTopicForbiddingContext(() =>
this.parseStatement("for"));
this.scope.exit();
this.state.labels.pop();
return this.finishNode(node,
isForIn ? "ForInStatement" : "ForOfStatement");
}
parseVar(node, isFor, kind) {
const declarations =
node.declarations = [];
const isTypescript = this.hasPlugin("typescript");
node.kind = kind;
for (; ) {
const decl = this.startNode();
this.parseVarId(decl, kind);
if (this.eat(types$1.eq)) {
decl.init =
isFor ? this.parseMaybeAssignDisallowIn() : this.parseMaybeAssignAllowIn();
} else {
if (kind ===
"const" && !(this.match(types$1._in) || this.isContextual("of"))) {
if (!isTypescript) {
this.raise(this.state.lastTokEnd, ErrorMessages.DeclarationMissingInitializer, "Const declarations");
}
} else if (decl.id.type !== "Identifier" && !(isFor && (this.match(types$1._in) || this.isContextual("of")))) {
this.raise(this.state.lastTokEnd, ErrorMessages.DeclarationMissingInitializer, "Complex binding patterns");
}
}
decl.init = null;
}
}
declarations.push(this.finishNode(decl, "VariableDeclarator"));
if

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(!this.eat(types$1.comma)) break;\n  }\n\n  return node;\n }\n\n parseVarId(decl, kind) {\n  decl.id =
this.parseBindingAtom();\n  this.checkLVal(decl.id, \"variable declaration\", kind === \"var\" ? BIND_VAR :
BIND_LEXICAL, undefined, kind !== \"var\");\n }\n\n parseFunction(node, statement = FUNC_NO_FLAGS,
isAsync = false) {\n  const isStatement = statement & FUNC_STATEMENT;\n  const isHangingStatement =
statement & FUNC_HANGING_STATEMENT;\n  const requireId = !isStatement && !(statement &
FUNC_NULLABLE_ID);\n  this.initFunction(node, isAsync);\n\n  if (this.match(types$1.star) &&
isHangingStatement) {\n    this.raise(this.state.start, ErrorMessages.GeneratorInSingleStatementContext);\n  }\n\n  node.generator = this.eat(types$1.star);\n\n  if (isStatement) {\n    node.id = this.parseFunctionId(requireId);\n  }\n\n  const oldMaybeInArrowParameters = this.state.maybeInArrowParameters;\n  this.state.maybeInArrowParameters = false;\n  this.scope.enter(SCOPE_FUNCTION);\n  this.prodParam.enter(functionFlags(isAsync, node.generator));\n\n  if (!isStatement) {\n    node.id =
this.parseFunctionId();\n  }\n\n  this.parseFunctionParams(node, false);\n  this.withTopicForbiddingContext(()
=> {\n    this.parseFunctionBodyAndFinish(node, isStatement ? \"FunctionDeclaration\" :
\"FunctionExpression\");\n  });\n  this.prodParam.exit();\n  this.scope.exit();\n\n  if (isStatement &&
!isHangingStatement) {\n    this.registerFunctionStatementId(node);\n  }\n\n  this.state.maybeInArrowParameters = oldMaybeInArrowParameters;\n  return node;\n }\n\n
parseFunctionId(requireId) {\n  return requireId || this.match(types$1.name) ? this.parseIdentifier() : null;\n }\n\n
parseFunctionParams(node, allowModifiers) {\n  this.expect(types$1.parenL);\n  this.expressionScope.enter(newParameterDeclarationScope());\n  node.params =
this.parseBindingList(types$1.parenR, 41, false, allowModifiers);\n  this.expressionScope.exit();\n }\n\n
registerFunctionStatementId(node) {\n  if (!node.id) return;\n  this.scope.declareName(node.id.name,
this.state.strict || node.generator || node.async ? this.scope.treatFunctionsAsVar ? BIND_VAR : BIND_LEXICAL :
BIND_FUNCTION, node.id.start);\n }\n\n parseClass(node, isStatement, optionalId) {\n  this.next();\n  this.takeDecorators(node);\n  const oldStrict = this.state.strict;\n  this.state.strict = true;\n  this.parseClassId(node, isStatement, optionalId);\n  this.parseClassSuper(node);\n  node.body =
this.parseClassBody(!node.superClass, oldStrict);\n  return this.finishNode(node, isStatement ?
\"ClassDeclaration\" : \"ClassExpression\");\n }\n\n isClassProperty() {\n  return this.match(types$1.eq) ||
this.match(types$1.semi) || this.match(types$1.braceR);\n }\n\n isClassMethod() {\n  return
this.match(types$1.parenL);\n }\n\n isNonstaticConstructor(method) {\n  return !method.computed &&
!method.static && (method.key.name === \"constructor\" || method.key.value === \"constructor\");\n }\n\n
parseClassBody(hadSuperClass, oldStrict) {\n  this.classScope.enter();\n  const state = {\n    hadConstructor:
false,\n    hadSuperClass\n  };\n  let decorators = [];\n  const classBody = this.startNode();\n  classBody.body
= [];\n  this.expect(types$1.braceL);\n  this.withTopicForbiddingContext(() => {\n    while
(!this.match(types$1.braceR)) {\n      if (this.eat(types$1.semi)) {\n        if (decorators.length > 0) {\n          throw
this.raise(this.state.lastTokEnd, ErrorMessages.DecoratorSemicolon);\n        }\n        continue;\n      }\n\n      if (this.match(types$1.at)) {\n        decorators.push(this.parseDecorator());\n        continue;\n      }\n\n      const
member = this.startNode();\n      if (decorators.length) {\n        member.decorators = decorators;\n        this.resetStartLocationFromNode(member, decorators[0]);\n        decorators = [];\n      }\n\n      this.parseClassMember(classBody, member, state);\n      if (member.kind === \"constructor\" &&
member.decorators && member.decorators.length > 0) {\n        this.raise(member.start,
ErrorMessages.DecoratorConstructor);\n      }\n    }\n  });\n  this.state.strict = oldStrict;\n  this.next();\n\n  if
(decorators.length) {\n    throw this.raise(this.state.start, ErrorMessages.TrailingDecorator);\n  }\n\n  this.classScope.exit();\n  return this.finishNode(classBody, \"ClassBody\");\n }\n\n
parseClassMemberFromModifier(classBody, member) {\n  const key = this.parseIdentifier(true);\n\n  if
(this.isClassMethod()) {\n    const method = member;\n    method.kind = \"method\";\n    method.computed =
false;\n    method.key = key;\n    method.static = false;\n    this.pushClassMethod(classBody, method, false,
false, false, false);\n    return true;\n  } else if (this.isClassProperty()) {\n    const prop = member;\n    prop.computed = false;\n    prop.key = key;\n    prop.static = false;\n  }

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classBody.body.push(this.parseClassProperty(prop));\n    return true;\n  }\n\n  return false;\n }\n\n  parseClassMember(classBody, member, state) {\n    const isStatic = this.isContextual(`static`);\n\n    if (isStatic)\n    {\n      if (this.parseClassMemberFromModifier(classBody, member)) {\n        return;\n      }\n\n      if\n      (this.eat(types$1.braceL)) {\n        this.parseClassStaticBlock(classBody, member);\n        return;\n      }\n    }\n\n    this.parseClassMemberWithIsStatic(classBody, member, state, isStatic);\n  }\n\n  parseClassMemberWithIsStatic(classBody, member, state, isStatic) {\n    const publicMethod = member;\n    const\n    privateMethod = member;\n    const publicProp = member;\n    const privateProp = member;\n    const method =\n    publicMethod;\n    const publicMember = publicMethod;\n    member.static = isStatic;\n\n    if\n    (this.eat(types$1.star)) {\n      method.kind = `method`;\n      const isPrivateName =\n      this.match(types$1.privateName);\n      this.parseClassElementName(method);\n\n      if (isPrivateName) {\n        this.pushClassPrivateMethod(classBody, privateMethod, true, false);\n        return;\n      }\n\n      if\n      (this.isNonstaticConstructor(publicMethod)) {\n        this.raise(publicMethod.key.start,\n        ErrorMessages.ConstructorIsGenerator);\n      }\n\n      this.pushClassMethod(classBody, publicMethod, true, false,\n      false, false);\n      return;\n    }\n\n    const containsEsc = this.state.containsEsc;\n    const isPrivate =\n    this.match(types$1.privateName);\n    const key = this.parseClassElementName(member);\n    const isSimple =\n    key.type === `Identifier`;\n    const maybeQuestionTokenStart = this.state.start;\n\n    this.parsePostMemberNameModifiers(publicMember);\n\n    if (this.isClassMethod()) {\n      method.kind =\n      `method`;\n\n      if (isPrivate) {\n        this.pushClassPrivateMethod(classBody, privateMethod, false, false);\n        return;\n      }\n\n      const isConstructor = this.isNonstaticConstructor(publicMethod);\n      let allowsDirectSuper =\n      false;\n\n      if (isConstructor) {\n        publicMethod.kind = `constructor`;\n\n        if (state.hadConstructor &&\n        !this.hasPlugin(`typescript`)) {\n          this.raise(key.start, ErrorMessages.DuplicateConstructor);\n        }\n\n        if (isConstructor && this.hasPlugin(`typescript`) && member.override) {\n          this.raise(key.start,\n          ErrorMessages.OverrideOnConstructor);\n        }\n\n        state.hadConstructor = true;\n        allowsDirectSuper =\n        state.hadSuperClass;\n      }\n\n      this.pushClassMethod(classBody, publicMethod, false, false, isConstructor,\n      allowsDirectSuper);\n    } else if (this.isClassProperty()) {\n      if (isPrivate) {\n        this.pushClassPrivateProperty(classBody, privateProp);\n      } else {\n        this.pushClassProperty(classBody,\n        publicProp);\n      }\n    } else if (isSimple && key.name === `async` && !containsEsc &&\n    !this.isLineTerminator()) {\n      const isGenerator = this.eat(types$1.star);\n\n      if (publicMember.optional) {\n        this.unexpected(maybeQuestionTokenStart);\n      }\n\n      method.kind = `method`;\n      const isPrivate =\n      this.match(types$1.privateName);\n      this.parseClassElementName(method);\n\n      this.parsePostMemberNameModifiers(publicMember);\n\n      if (isPrivate) {\n        this.pushClassPrivateMethod(classBody, privateMethod, isGenerator, true);\n      } else {\n        if\n        (this.isNonstaticConstructor(publicMethod)) {\n          this.raise(publicMethod.key.start,\n          ErrorMessages.ConstructorIsAsync);\n        }\n\n        this.pushClassMethod(classBody, publicMethod, isGenerator,\n        true, false, false);\n      }\n    } else if (isSimple && (key.name === `get` || key.name === `set`) && !containsEsc\n    && !(this.match(types$1.star) && this.isLineTerminator())) {\n      method.kind = key.name;\n      const isPrivate =\n      this.match(types$1.privateName);\n      this.parseClassElementName(publicMethod);\n\n      if (isPrivate) {\n        this.pushClassPrivateMethod(classBody, privateMethod, false, false);\n      } else {\n        if\n        (this.isNonstaticConstructor(publicMethod)) {\n          this.raise(publicMethod.key.start,\n          ErrorMessages.ConstructorIsAccessor);\n        }\n\n        this.pushClassMethod(classBody, publicMethod, false,\n        false, false, false);\n      }\n\n      this.checkGetterSetterParams(publicMethod);\n    } else if (this.isLineTerminator())\n    {\n      if (isPrivate) {\n        this.pushClassPrivateProperty(classBody, privateProp);\n      } else {\n        this.pushClassProperty(classBody, publicProp);\n      }\n    } else {\n      this.unexpected();\n    }\n  }\n\n  parseClassElementName(member) {\n    const {\n      type,\n      value,\n      start\n    } = this.state;\n\n    if ((type\n    === types$1.name || type === types$1.string) && member.static && value === `prototype`) {\n      this.raise(start,\n      ErrorMessages.StaticPrototype);\n    }\n\n    if (type === types$1.privateName && value === `constructor`) {\n      this.raise(start, ErrorMessages.ConstructorClassPrivateField);\n    }\n\n    return this.parsePropertyName(member,\n    true);\n  }\n\n  parseClassStaticBlock(classBody, member) {\n    var _member$decorators;\n  }

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this.expectPlugin("classStaticBlock", member.start);\n this.scope.enter(SCOPE_CLASS |
SCOPE_STATIC_BLOCK | SCOPE_SUPER);\n const oldLabels = this.state.labels;\n this.state.labels = [];\n
this.prodParam.enter(PARAM);\n const body = member.body = [];\n
this.parseBlockOrModuleBlockBody(body, undefined, false, types$1.braceR);\n this.prodParam.exit();\n
this.scope.exit();\n this.state.labels = oldLabels;\n classBody.body.push(this.finishNode(member,
"StaticBlock"));
\n\n if ((_member$decorators = member.decorators) != null && _member$decorators.length) {\n
  this.raise(member.start, ErrorMessages.DecoratorStaticBlock);\n }
\n\n pushClassProperty(classBody,
prop) {\n if (!prop.computed && (prop.key.name === "constructor" || prop.key.value === "constructor")) {\n
this.raise(prop.key.start, ErrorMessages.ConstructorClassField);\n }\n\n
classBody.body.push(this.parseClassProperty(prop));\n }\n\n pushClassPrivateProperty(classBody, prop) {\n
const node = this.parseClassPrivateProperty(prop);\n classBody.body.push(node);\n
this.classScope.declarePrivateName(this.getPrivateNameSV(node.key), CLASS_ELEMENT_OTHER,
node.key.start);\n }\n\n pushClassMethod(classBody, method, isGenerator, isAsync, isConstructor,
allowsDirectSuper) {\n classBody.body.push(this.parseMethod(method, isGenerator, isAsync, isConstructor,
allowsDirectSuper, "ClassMethod", true));\n }\n\n pushClassPrivateMethod(classBody, method, isGenerator,
isAsync) {\n const node = this.parseMethod(method, isGenerator, isAsync, false, false, "ClassPrivateMethod",
true);\n classBody.body.push(node);\n const kind = node.kind === "get" ? node.static ?
CLASS_ELEMENT_STATIC_GETTER : CLASS_ELEMENT_INSTANCE_GETTER : node.kind === "set" ?
node.static ? CLASS_ELEMENT_STATIC_SETTER : CLASS_ELEMENT_INSTANCE_SETTER :
CLASS_ELEMENT_OTHER;\n this.classScope.declarePrivateName(this.getPrivateNameSV(node.key), kind,
node.key.start);\n }\n\n parsePostMemberNameModifiers(methodOrProp) {\n\n parseClassPrivateProperty(node)
{\n this.parseInitializer(node);\n this.semicolon();\n return this.finishNode(node, "ClassPrivateProperty");\n
}\n\n parseClassProperty(node) {\n this.parseInitializer(node);\n this.semicolon();\n return
this.finishNode(node, "ClassProperty");\n }\n\n parseInitializer(node) {\n this.scope.enter(SCOPE_CLASS |
SCOPE_SUPER);\n this.expressionScope.enter(newExpressionScope());\n this.prodParam.enter(PARAM);\n
node.value = this.eat(types$1.eq) ? this.parseMaybeAssignAllowIn() : null;\n this.expressionScope.exit();\n
this.prodParam.exit();\n this.scope.exit();\n }\n\n parseClassId(node, isStatement, optionalId, bindingType =
BIND_CLASS) {\n if (this.match(types$1.name)) {\n node.id = this.parseIdentifier();\n\n if (isStatement)
{\n this.checkLVal(node.id, "class name", bindingType);\n }\n } else {\n if (optionalId || !isStatement)
{\n node.id = null;\n } else {\n this.unexpected(null, ErrorMessages.MissingClassName);\n }\n }\n
}\n\n parseClassSuper(node) {\n node.superClass = this.eat(types$1._extends) ? this.parseExprSubscripts() :
null;\n }\n\n parseExport(node) {\n const hasDefault = this.maybeParseExportDefaultSpecifier(node);\n const
parseAfterDefault = !hasDefault || this.eat(types$1.comma);\n const hasStar = parseAfterDefault &&
this.eatExportStar(node);\n const hasNamespace = hasStar &&
this.maybeParseExportNamespaceSpecifier(node);\n const parseAfterNamespace = parseAfterDefault &&
(!hasNamespace || this.eat(types$1.comma));\n const isFromRequired = hasDefault || hasStar;\n\n if (hasStar &&
!hasNamespace) {\n if (hasDefault) this.unexpected();\n this.parseExportFrom(node, true);\n return
this.finishNode(node, "ExportAllDeclaration");\n }\n\n const hasSpecifiers =
this.maybeParseExportNamedSpecifiers(node);\n\n if (hasDefault && parseAfterDefault && !hasStar &&
!hasSpecifiers || hasNamespace && parseAfterNamespace && !hasSpecifiers) {\n throw this.unexpected(null,
types$1.braceL);\n }\n\n let hasDeclaration;\n\n if (isFromRequired || hasSpecifiers) {\n hasDeclaration =
false;\n this.parseExportFrom(node, isFromRequired);\n } else {\n hasDeclaration =
this.maybeParseExportDeclaration(node);\n }\n\n if (isFromRequired || hasSpecifiers || hasDeclaration) {\n
this.checkExport(node, true, false, !!node.source);\n return this.finishNode(node,
"ExportNamedDeclaration");\n }\n\n if (this.eat(types$1._default)) {\n node.declaration =
this.parseExportDefaultExpression();\n this.checkExport(node, true, true);\n return this.finishNode(node,
"ExportDefaultDeclaration");\n }\n\n throw this.unexpected(null, types$1.braceL);\n }\n\n
eatExportStar(node) {\n return this.eat(types$1.star);\n }\n\n maybeParseExportDefaultSpecifier(node) {\n if

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(this.isExportDefaultSpecifier()) {\n  this.expectPlugin("exportDefaultFrom");\n  const specifier =
this.startNode();\n  specifier.exported = this.parseIdentifier(true);\n  node.specifiers =
[this.finishNode(specifier, "ExportDefaultSpecifier")];\n  return true;\n } \n\n return false;\n } \n\n
maybeParseExportNamespaceSpecifier(node) {\n  if (this.isContextual("as")) {\n    if (!node.specifiers)
node.specifiers = [];\n    const specifier = this.startNodeAt(this.state.lastTokStart, this.state.lastTokStartLoc);\n
this.next();\n    specifier.exported = this.parseModuleExportName();\n
node.specifiers.push(this.finishNode(specifier, "ExportNamespaceSpecifier")); \n\n return true;\n } \n\n return
false;\n } \n\n maybeParseExportNamedSpecifiers(node) {\n  if (this.match(types$1.braceL)) {\n    if
(!node.specifiers) node.specifiers = [];\n    node.specifiers.push(...this.parseExportSpecifiers());\n    node.source =
null;\n    node.declaration = null;\n    return true;\n } \n\n return false;\n } \n\n
maybeParseExportDeclaration(node) {\n  if (this.shouldParseExportDeclaration()) {\n    node.specifiers = [];\n
node.source = null;\n    node.declaration = this.parseExportDeclaration(node);\n    return true;\n } \n\n return
false;\n } \n\n isAsyncFunction() {\n  if (!this.isContextual("async")) return false;\n  const next =
this.nextTokenStart();\n  return !lineBreak.test(this.input.slice(this.state.pos, next)) &&
this.isUnparsedContextual(next, "function");\n } \n\n parseExportDefaultExpression() {\n  const expr =
this.startNode();\n  const isAsync = this.isAsyncFunction();\n\n  if (this.match(types$1._function) || isAsync) {\n
  this.next();\n\n  if (isAsync) {\n    this.next();\n  } \n\n  return this.parseFunction(expr,
FUNC_STATEMENT | FUNC_NULLABLE_ID, isAsync);\n } else if (this.match(types$1._class)) {\n  return
this.parseClass(expr, true, true);\n } else if (this.match(types$1.at)) {\n  if (this.hasPlugin("decorators") &&
this.getPluginOption("decorators", "decoratorsBeforeExport")) {\n    this.raise(this.state.start,
ErrorMessages.DecoratorBeforeExport);\n  } \n\n  this.parseDecorators(false);\n  return this.parseClass(expr,
true, true);\n } else if (this.match(types$1._const) || this.match(types$1._var) || this.isLet()) {\n  throw
this.raise(this.state.start, ErrorMessages.UnsupportedDefaultExport);\n } else {\n  const res =
this.parseMaybeAssignAllowIn();\n  this.semicolon();\n  return res;\n } \n\n } \n\n
parseExportDeclaration(node) {\n  return this.parseStatement(null);\n } \n\n isExportDefaultSpecifier() {\n  if
(this.match(types$1.name)) {\n    const value = this.state.value;\n\n    if (value === "async" &&
!this.state.containsEsc || value === "let") {\n      return false;\n    } \n\n    if ((value === "type" || value ===
"interface") && !this.state.containsEsc) {\n      const l = this.lookahead();\n\n      if (l.type === types$1.name
&& l.value !== "from" || l.type === types$1.braceL) {\n        this.expectOnePlugin(["flow", "typescript"]); \n
return false;\n      } \n\n    } \n\n } else if (!this.match(types$1._default)) {\n  return false;\n } \n\n const next
= this.nextTokenStart();\n  const hasFrom = this.isUnparsedContextual(next, "from");\n\n  if
(this.input.charCodeAtAt(next) === 44 || this.match(types$1.name) && hasFrom) {\n  return true;\n } \n\n if
(this.match(types$1._default) && hasFrom) {\n  const nextAfterFrom =
this.input.charCodeAtAt(this.nextTokenStartSince(next + 4));\n  return nextAfterFrom === 34 || nextAfterFrom ===
39;\n } \n\n return false;\n } \n\n parseExportFrom(node, expect) {\n  if (this.eatContextual("from")) {\n
node.source = this.parseImportSource();\n  this.checkExport(node);\n  const assertions =
this.maybeParseImportAssertions();\n  if (assertions) {\n    node.assertions = assertions;\n  } \n\n } else {\n
if (expect) {\n  this.unexpected();\n } else {\n  node.source = null;\n } \n\n } \n\n this.semicolon();\n
} \n\n shouldParseExportDeclaration() {\n  if (this.match(types$1.at)) {\n    this.expectOnePlugin(["decorators",
"decorators-legacy"]); \n\n    if (this.hasPlugin("decorators")) {\n      if (this.getPluginOption("decorators",
"decoratorsBeforeExport")) {\n        this.unexpected(this.state.start, ErrorMessages.DecoratorBeforeExport);\n
} else {\n      return true;\n    } \n\n } \n\n } \n\n return this.state.type.keyword === "var" ||
this.state.type.keyword === "const" || this.state.type.keyword === "function" || this.state.type.keyword ===
"class" || this.isLet() || this.isAsyncFunction();\n } \n\n checkExport(node, checkNames, isDefault, isFrom) {\n  if
(checkNames) {\n    if (isDefault) {\n      this.checkDuplicateExports(node, "default");\n\n      if
(this.hasPlugin("exportDefaultFrom")) {\n        var _declaration$extra;\n        const declaration =
node.declaration;\n\n        if (declaration.type === "Identifier" && declaration.name === "from" &&
declaration.end - declaration.start === 4 && !((_declaration$extra = declaration.extra) != null &&

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_declaration$extra.parenthesized)) {\n      this.raise(declaration.start,
ErrorMessages.ExportDefaultFromAsIdentifier);\n    }\n  } else if (node.specifiers &&
node.specifiers.length) {\n    for (const specifier of node.specifiers) {\n      const {\n        exported\n      } =
specifier;\n      const exportedName = exported.type === \"Identifier\" ? exported.name : exported.value;\n      this.checkDuplicateExports(specifier, exportedName);\n      if (!isFrom && specifier.local) {\n        const {\n          local\n        } = specifier;\n        if (local.type === \"StringLiteral\") {\n          this.raise(specifier.start, ErrorMessages.ExportBindingIsString, local.value, exportedName);\n        } else {\n          this.checkReservedWord(local.name, local.start, true, false);\n          this.scope.checkLocalExport(local);\n        }\n      }\n    }\n  } else if (node.declaration) {\n    if (node.declaration.type === \"FunctionDeclaration\" ||
node.declaration.type === \"ClassDeclaration\") {\n      const id = node.declaration.id;\n      if (!id) throw new
Error(\"Assertion failure\");\n      this.checkDuplicateExports(node, id.name);\n    } else if
(node.declaration.type === \"VariableDeclaration\") {\n      for (const declaration of
node.declaration.declarations) {\n        this.checkDeclaration(declaration.id);\n      }\n    }\n  }\n  const currentContextDecorators = this.state.decoratorStack[this.state.decoratorStack.length - 1];\n  if
(currentContextDecorators.length) {\n    throw this.raise(node.start,
ErrorMessages.UnsupportedDecoratorExport);\n  }\n}\n\ncheckDeclaration(node) {\n  if (node.type ===
\"Identifier\") {\n    this.checkDuplicateExports(node, node.name);\n  } else if (node.type === \"ObjectPattern\")
{\n    for (const prop of node.properties) {\n      this.checkDeclaration(prop);\n    }\n  } else if (node.type ===
\"ArrayPattern\") {\n    for (const elem of node.elements) {\n      if (elem) {\n        this.checkDeclaration(elem);\n      }\n    }\n  } else if (node.type === \"ObjectProperty\") {\n    this.checkDeclaration(node.value);\n  } else if
(node.type === \"RestElement\") {\n    this.checkDeclaration(node.argument);\n  } else if (node.type ===
\"AssignmentPattern\") {\n    this.checkDeclaration(node.left);\n  }\n}\n\ncheckDuplicateExports(node, name)
{\n  if (this.state.exportedIdentifiers.indexOf(name) > -1) {\n    this.raise(node.start, name === \"default\" ?
ErrorMessages.DuplicateDefaultExport : ErrorMessages.DuplicateExport, name);\n  }\n\n  this.state.exportedIdentifiers.push(name);\n}\n\nparseExportSpecifiers() {\n  const nodes = [];\n  let first =
true;\n  this.expect(types$1.braceL);\n\n  while (!this.eat(types$1.braceR)) {\n    if (first) {\n      first = false;\n    } else {\n      this.expect(types$1.comma);\n      if (this.eat(types$1.braceR)) break;\n    }\n\n    const node =
this.startNode();\n    node.local = this.parseModuleExportName();\n    node.exported = this.eatContextual(\"as\")
? this.parseModuleExportName() : node.local.__clone();\n    nodes.push(this.finishNode(node,
\"ExportSpecifier\"));\n  }\n\n  return nodes;\n}\n\nparseModuleExportName() {\n  if
(this.match(types$1.string)) {\n    const result = this.parseLiteral(this.state.value, \"StringLiteral\");\n    const
surrogate = result.value.match(loneSurrogate);\n\n    if (surrogate) {\n      this.raise(result.start,
ErrorMessages.ModuleExportNameHasLoneSurrogate, surrogate[0].charCodeAt(0).toString(16));\n    }\n\n    return result;\n  }\n\n  return this.parseIdentifier(true);\n}\n\nparseImport(node) {\n  node.specifiers = [];\n\n  if (!this.match(types$1.string)) {\n    const hasDefault = this.maybeParseDefaultImportSpecifier(node);\n    const
parseNext = !hasDefault || this.eat(types$1.comma);\n    const hasStar = parseNext &&
this.maybeParseStarImportSpecifier(node);\n    if (parseNext && !hasStar)\n      this.parseNamedImportSpecifiers(node);\n    this.expectContextual(\"from\");\n\n    node.source =
this.parseImportSource();\n    const assertions = this.maybeParseImportAssertions();\n\n    if (assertions) {\n      node.assertions = assertions;\n    } else {\n      const attributes = this.maybeParseModuleAttributes();\n\n      if
(attributes) {\n        node.attributes = attributes;\n      }\n    }\n\n    this.semicolon();\n    return this.finishNode(node,
\"ImportDeclaration\");\n  }\n\n  parseImportSource() {\n    if (!this.match(types$1.string)) this.unexpected();\n    return this.parseExprAtom();\n  }\n\n  shouldParseDefaultImport(node) {\n    return this.match(types$1.name);\n  }\n\n  parseImportSpecifierLocal(node, specifier, type, contextDescription) {\n    specifier.local =
this.parseIdentifier();\n    this.checkLVal(specifier.local, contextDescription, BIND_LEXICAL);\n    node.specifiers.push(this.finishNode(specifier, type));\n  }\n\n  parseAssertEntries() {\n    const attrs = [];\n    const
attrNames = new Set();\n\n    do {\n      if (this.match(types$1.braceR)) {\n        break;\n      }\n\n      const node =
this.startNode();\n      const keyName = this.state.value;\n\n      if (this.match(types$1.string)) {\n        node.key =

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this.parseLiteral(keyName, \"StringLiteral\");\n  } else {\n    node.key = this.parseIdentifier(true);\n  }\n\n  this.expect(types$1.colon);\n  if (keyName !== \"type\") {\n    this.raise(node.key.start,
  ErrorMessages.ModuleAttributeDifferentFromType, keyName);\n  }\n  if (attrNames.has(keyName)) {\n    this.raise(node.key.start, ErrorMessages.ModuleAttributesWithDuplicateKeys, keyName);\n  }\n  attrNames.add(keyName);\n  if (!this.match(types$1.string)) {\n    throw this.unexpected(this.state.start,
  ErrorMessages.ModuleAttributeInvalidValue);\n  }\n  node.value = this.parseLiteral(this.state.value,
  \"StringLiteral\");\n  this.finishNode(node, \"ImportAttribute\");\n  attrs.push(node);\n} while
(this.eat(types$1.comma));\n  return attrs;\n}\n\nmaybeParseModuleAttributes() {\n  if
(this.match(types$1._with) && !this.hasPrecedingLineBreak()) {\n    this.expectPlugin(\"moduleAttributes\");\n    this.next();\n  } else {\n    if (this.hasPlugin(\"moduleAttributes\")) return [];\n    return null;\n  }\n\n  const
attrs = [];\n  const attributes = new Set();\n  do {\n    const node = this.startNode();\n    node.key =
this.parseIdentifier(true);\n\n    if (node.key.name !== \"type\") {\n      this.raise(node.key.start,
  ErrorMessages.ModuleAttributeDifferentFromType, node.key.name);\n    }\n\n    if
(attributes.has(node.key.name)) {\n      this.raise(node.key.start,
  ErrorMessages.ModuleAttributesWithDuplicateKeys, node.key.name);\n    }\n\n    attributes.add(node.key.name);\n    this.expect(types$1.colon);\n\n    if (!this.match(types$1.string)) {\n      throw
this.unexpected(this.state.start, ErrorMessages.ModuleAttributeInvalidValue);\n    }\n\n    node.value =
this.parseLiteral(this.state.value, \"StringLiteral\");\n    this.finishNode(node, \"ImportAttribute\");\n    attrs.push(node);\n  } while (this.eat(types$1.comma));\n  return attrs;\n}\n\nmaybeParseImportAssertions()
{\n  if (this.isContextual(\"assert\") && !this.hasPrecedingLineBreak()) {\n    this.expectPlugin(\"importAssertions\");\n    this.next();\n  } else {\n    if (this.hasPlugin(\"importAssertions\"))
return [];\n    return null;\n  }\n\n  this.eat(types$1.braceL);\n  const attrs = this.parseAssertEntries();\n  this.eat(types$1.braceR);\n  return attrs;\n}\n\nmaybeParseDefaultImportSpecifier(node) {\n  if
(this.shouldParseDefaultImport(node)) {\n    this.parseImportSpecifierLocal(node, this.startNode(),
  \"ImportDefaultSpecifier\", \"default import specifier\");\n    return true;\n  }\n\n  return false;\n}\n\nmaybeParseStarImportSpecifier(node) {\n  if (this.match(types$1.star)) {\n    const specifier = this.startNode();\n    this.next();\n    this.expectContextual(\"as\");\n    this.parseImportSpecifierLocal(node, specifier,
  \"ImportNamespaceSpecifier\", \"import namespace specifier\");\n    return true;\n  }\n\n  return false;\n}\n\nparseNamedImportSpecifiers(node) {\n  let first = true;\n  this.expect(types$1.braceL);\n\n  while
(!this.eat(types$1.braceR)) {\n    if (first) {\n      first = false;\n    } else {\n      if (this.eat(types$1.colon)) {\n        throw this.raise(this.state.start, ErrorMessages.DestructureNamedImport);\n      }\n    }\n\n    this.expect(types$1.comma);\n    if (this.eat(types$1.braceR)) break;\n  }\n\n  this.parseImportSpecifier(node);\n}\n}\n\nparseImportSpecifier(node) {\n  const specifier =
this.startNode();\n  specifier.imported = this.parseModuleExportName();\n\n  if (this.eatContextual(\"as\")) {\n    specifier.local = this.parseIdentifier();\n  } else {\n    const {\n      imported\n    } = specifier;\n\n    if
(imported.type === \"StringLiteral\") {\n      throw this.raise(specifier.start, ErrorMessages.ImportBindingIsString,
  imported.value);\n    }\n\n    this.checkReservedWord(imported.name, specifier.start, true, true);\n    specifier.local = imported.__clone();\n  }\n\n  this.checkLVal(specifier.local, \"import specifier\",
  BIND_LEXICAL);\n  node.specifiers.push(this.finishNode(specifier, \"ImportSpecifier\"));\n}\n}\n\nisThisParam(param) {\n  return param.type === \"Identifier\" && param.name === \"this\";\n}\n}\n}\n\nclass
Parser extends StatementParser {\n  constructor(options, input) {\n    options = getOptions(options);\n    super(options, input);\n    this.options = options;\n    this.initializeScopes();\n    this.plugins =
pluginsMap(this.options.plugins);\n    this.filename = options.sourceFilename;\n  }\n\n  getScopeHandler() {\n    return ScopeHandler;\n  }\n\n  parse() {\n    this.enterInitialScopes();\n    const file = this.startNode();\n    const
program = this.startNode();\n    this.nextToken();\n    file.errors = null;\n    this.parseTopLevel(file, program);\n    file.errors = this.state.errors;\n    return file;\n  }\n}\n\nfunction pluginsMap(plugings) {\n  const pluginMap = new
Map();\n\n  for (const plugin of plugings) {\n    const [name, options] = Array.isArray(plugin) ? plugin : [plugin,
  {}];\n    if (!pluginMap.has(name)) pluginMap.set(name, options || {});\n  }\n\n  return pluginMap;\n}\n\nfunction

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parse(input, options) {\n var _options;\n\n if (((_options = options) == null ? void 0 : _options.sourceType) ===
  \"unambiguous\") {\n options = Object.assign({}, options);\n\n try {\n options.sourceType = \"module\";\n\n const parser = getParser(options, input);\n const ast = parser.parse();\n\n if (parser.sawUnambiguousESM) {\n
  return ast;\n }\n\n if (parser.ambiguousScriptDifferentAst) {\n try {\n options.sourceType =
  \"script\";\n return getParser(options, input).parse();\n } catch (_unused) {} } else {\n
  ast.program.sourceType = \"script\";\n }\n\n return ast;\n } catch (moduleError) {\n try {\n
  options.sourceType = \"script\";\n return getParser(options, input).parse();\n } catch (_unused2) {} }\n\n
  throw moduleError;\n }\n } else {\n return getParser(options, input).parse();\n }\n}\n\nfunction
  parseExpression(input, options) {\n const parser = getParser(options, input);\n\n if (parser.options.strictMode) {\n
  parser.state.strict = true;\n }\n\n return parser.getExpression();\n}\n\nfunction getParser(options, input) {\n let cls
  = Parser;\n\n if (options != null && options.plugins) {\n validatePlugins(options.plugins);\n cls =
  getParserClass(options.plugins);\n }\n\n return new cls(options, input);\n}\n\nconst parserClassCache =
  {};\n\nfunction getParserClass(pluginsFromOptions) {\n const pluginList = mixinPluginNames.filter(name =>
  hasPlugin(pluginsFromOptions, name));\n const key = pluginList.join(\"^\");\n let cls = parserClassCache[key];\n\n
  if (!cls) {\n cls = Parser;\n\n for (const plugin of pluginList) {\n cls = mixinPlugins[plugin](cls);\n }\n\n
  parserClassCache[key] = cls;\n }\n\n return cls;\n}\n\n\nexports.parse = parse;\nexports.parseExpression =
  parseExpression;\nexports.tokTypes = types$1;\n\n/# sourceMappingURL=index.js.map\n\n\"use
  strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value: true\n});\n\nexports.default =
  literalTemplate;\n\nvar _options = require(\"./options\");\n\nvar _parse =
  _interopRequireDefault(require(\"./parse\"));\n\nvar _populate =
  _interopRequireDefault(require(\"./populate\"));\n\nfunction _interopRequireDefault(obj) { return obj &&
  obj.__esModule ? obj : { default: obj }; }\n\nfunction literalTemplate(formatter, tpl, opts) {\n const {\n
  metadata,\n names\n } = buildLiteralData(formatter, tpl, opts);\n return arg => {\n const defaultReplacements =
  {};\n arg.forEach((replacement, i) => {\n defaultReplacements[names[i]] = replacement;\n });\n return arg
  => {\n const replacements = (0, _options.normalizeReplacements)(arg);\n\n if (replacements) {\n
  Object.keys(replacements).forEach(key => {\n if
  (Object.prototype.hasOwnProperty.call(defaultReplacements, key)) {\n throw new Error(\"Unexpected
  replacement overlap.\");\n }\n });\n }\n\n return formatter.unwrap((0, _populate.default)(metadata,
  replacements ? Object.assign(replacements, defaultReplacements) : defaultReplacements));\n }\n
  });\n\n\nfunction buildLiteralData(formatter, tpl, opts) {\n let names;\n let nameSet;\n let metadata;\n let prefix =
  \"\";\n\n do {\n prefix += \"$\";\n const result = buildTemplateCode(tpl, prefix);\n names = result.names;\n
  nameSet = new Set(names);\n metadata = (0, _parse.default)(formatter, formatter.code(result.code), {\n parser:
  opts.parser,\n placeholderWhitelist: new Set(result.names.concat(opts.placeholderWhitelist ?
  Array.from(opts.placeholderWhitelist) : [])),\n placeholderPattern: opts.placeholderPattern,\n
  preserveComments: opts.preserveComments,\n syntacticPlaceholders: opts.syntacticPlaceholders\n });\n }\n
  while (metadata.placeholders.some(placeholder => placeholder.isDuplicate &&
  nameSet.has(placeholder.name)));\n\n return {\n metadata,\n names\n };\n}\n\nfunction
  buildTemplateCode(tpl, prefix) {\n const names = [];\n let code = tpl[0];\n\n for (let i = 1; i < tpl.length; i++) {\n
  const value = `${prefix}${i - 1}`;\n names.push(value);\n code += value + tpl[i];\n }\n\n return {\n names,\n
  code\n };\n}\n\n\"use strict\";\n\nObject.defineProperty(exports, \"__esModule\", {\n value:
  true\n});\n\nexports.matchesPattern = matchesPattern;\nexports.has = has;\nexports.isStatic = isStatic;\nexports.isnt =
  isnt;\nexports.equals = equals;\nexports.isNodeType =
  isNodeType;\nexports.canHaveVariableDeclarationOrExpression =
  canHaveVariableDeclarationOrExpression;\nexports.canSwapBetweenExpressionAndStatement =
  canSwapBetweenExpressionAndStatement;\nexports.isCompletionRecord =
  isCompletionRecord;\nexports.isStatementOrBlock = isStatementOrBlock;\nexports.referencesImport =
  referencesImport;\nexports.getSource = getSource;\nexports.willIMaybeExecuteBefore =
  willIMaybeExecuteBefore;\nexports._guessExecutionStatusRelativeTo =

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_guessExecutionStatusRelativeTo;\nexports._guessExecutionStatusRelativeToDifferentFunctions =
_guessExecutionStatusRelativeToDifferentFunctions;\nexports.resolve = resolve;\nexports._resolve =
_resolve;\nexports.isConstantExpression = isConstantExpression;\nexports.isInStrictMode =
isInStrictMode;\nexports.is = void 0;\nvar t = _interopRequireWildcard(require("@babel/types"));\n\nfunction
_getRequireWildcardCache() { if (typeof WeakMap !== "function") return null; var cache = new WeakMap();
_getRequireWildcardCache = function () { return cache; }; return cache; }\n\nfunction
_interopRequireWildcard(obj) { if (obj && obj.__esModule) { return obj; } if (obj === null || typeof obj !==
"object" && typeof obj !== "function") { return { default: obj }; } var cache = _getRequireWildcardCache(); if
(cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var hasPropertyDescriptor =
Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction matchesPattern(pattern, allowPartial) {\n return
t.matchesPattern(this.node, pattern, allowPartial);\n}\n\nfunction has(key) {\n const val = this.node &&
this.node[key];\n\n if (val && Array.isArray(val)) {\n return !!val.length;\n } else {\n return !!val;\n
}\n}\n\nfunction isStatic() {\n return this.scope.isStatic(this.node);\n}\n\nconst is = has;\nexports.is =
is;\n\nfunction isnt(key) {\n return !this.has(key);\n}\n\nfunction equals(key, value) {\n return this.node[key] ===
value;\n}\n\nfunction isNodeType(type) {\n return t.isType(this.type, type);\n}\n\nfunction
canHaveVariableDeclarationOrExpression() {\n return (this.key === "init" || this.key === "left") &&
this.parentPath.isFor();\n}\n\nfunction canSwapBetweenExpressionAndStatement(replacement) {\n if (this.key !==
"body" || !this.parentPath.isArrowFunctionExpression()) {\n return false;\n }\n\n if (this.isExpression()) {\n
return t.isBlockStatement(replacement);\n } else if (this.isBlockStatement()) {\n return
t.isExpression(replacement);\n }\n\n return false;\n}\n\nfunction isCompletionRecord(allowInsideFunction) {\n let
path = this;\n let first = true;\n\n do {\n const container = path.container;\n\n if (path.isFunction() && !first) {\n
return !!allowInsideFunction;\n }\n\n first = false;\n\n if (Array.isArray(container) && path.key !==
container.length - 1) {\n return false;\n }\n } while ((path = path.parentPath) && !path.isProgram());\n\n
return true;\n}\n\nfunction isStatementOrBlock() {\n if (this.parentPath.isLabeledStatement() ||
t.isBlockStatement(this.container)) {\n return false;\n } else {\n return
t.STATEMENT_OR_BLOCK_KEYS.includes(this.key);\n }\n}\n\nfunction referencesImport(moduleSource,
importName) {\n if (!this.isReferencedIdentifier()) return false;\n const binding =
this.scope.getBinding(this.node.name);\n if (!binding || binding.kind !== "module") return false;\n const path =
binding.path;\n const parent = path.parentPath;\n if (!parent.isImportDeclaration()) return false;\n\n if
(parent.node.source.value === moduleSource) {\n if (!importName) return true;\n } else {\n return false;\n
}\n\n if (path.isImportDefaultSpecifier() && importName === "default") {\n return true;\n }\n\n if
(path.isImportNamespaceSpecifier() && importName === "*") {\n return true;\n }\n\n if
(path.isImportSpecifier() && path.node.imported.name === importName) {\n return true;\n }\n\n return
false;\n}\n\nfunction getSource() {\n const node = this.node;\n\n if (node.end) {\n const code =
this.hub.getCode();\n if (code) return code.slice(node.start, node.end);\n }\n\n return "";\n}\n\nfunction
willIMaybeExecuteBefore(target) {\n return this._guessExecutionStatusRelativeTo(target) !==
"after";\n}\n\nfunction getOuterFunction(path) {\n return (path.scope.getFunctionParent() ||
path.scope.getProgramParent()).path;\n}\n\nfunction isExecutionUncertain(type, key) {\n switch (type) {\n case
"LogicalExpression":\n return key === "right";\n\n case "ConditionalExpression":\n case
"IfStatement":\n return key === "consequent" || key === "alternate";\n\n case "WhileStatement":\n case
"DoWhileStatement":\n case "ForInStatement":\n case "ForOfStatement":\n return key === "body";\n\n case
"ForStatement":\n return key === "body" || key === "update";\n\n case "SwitchStatement":\n
return key === "cases";\n\n case "TryStatement":\n return key === "handler";\n\n case
"AssignmentPattern":\n return key === "right";\n\n case "OptionalMemberExpression":\n return key

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=== \"property\";\n\n case \"OptionalCallExpression\":\n   return key === \"arguments\";\n\n default:\n   return false;\n } }\n\nfunction isExecutionUncertainInList(paths, maxIndex) {\n  for (let i = 0; i < maxIndex; i++)\n  {\n    const path = paths[i];\n    if (isExecutionUncertain(path.parent.type, path.parentKey)) {\n      return true;\n    }\n  }\n  return false;\n}\n\nfunction _guessExecutionStatusRelativeTo(target) {\n  const funcParent = {\n    this: getOuterFunction(this),\n    target: getOuterFunction(target)\n  };\n  if (funcParent.target.node !== funcParent.this.node) {\n    return this._guessExecutionStatusRelativeToDifferentFunctions(funcParent.target);\n  }\n\n  const paths = {\n    target: target.getAncestry(),\n    this: this.getAncestry()\n  }; \n  if (paths.target.indexOf(this) >= 0) return \"after\";\n  if (paths.this.indexOf(target) >= 0) return \"before\";\n  let commonPath;\n  const commonIndex = {\n    target: 0,\n    this: 0\n  }; \n  while (!commonPath && commonIndex.this < paths.this.length) {\n    const path = paths.this[commonIndex.this];\n    commonIndex.target = paths.target.indexOf(path);\n    if (commonIndex.target >= 0) {\n      commonPath = path;\n    } else {\n      commonIndex.this++;\n    }\n  }\n  if (!commonPath) {\n    throw new Error(\"Internal Babel error - The two compared nodes\" + \" don't appear to belong to the same program.\");\n  }\n  if (isExecutionUncertainInList(paths.this, commonIndex.this - 1) || isExecutionUncertainInList(paths.target, commonIndex.target - 1)) {\n    return \"unknown\";\n  }\n  const divergence = {\n    this: paths.this[commonIndex.this - 1],\n    target: paths.target[commonIndex.target - 1]\n  }; \n  if (divergence.target.listKey && divergence.this.listKey && divergence.target.container === divergence.this.container) {\n    return divergence.target.key > divergence.this.key ? \"before\" : \"after\";\n  }\n  const keys = t.VISITOR_KEYS[commonPath.type];\n  const keyPosition = {\n    this: keys.indexOf(divergence.this.parentKey),\n    target: keys.indexOf(divergence.target.parentKey)\n  }; \n  return keyPosition.target > keyPosition.this ? \"before\" : \"after\";\n}\n\nconst executionOrderCheckedNodes = new WeakSet();\n\nfunction _guessExecutionStatusRelativeToDifferentFunctions(target) {\n  if (!target.isFunctionDeclaration() || target.parentPath.isExportDeclaration()) {\n    return \"unknown\";\n  }\n  const binding = target.scope.getBinding(target.node.id.name);\n  if (!binding.references) return \"before\";\n  const referencePaths = binding.referencePaths;\n  let allStatus;\n  for (const path of referencePaths) {\n    const childOfFunction = !!path.find(path => path.node === target.node);\n    if (childOfFunction) continue;\n    if (path.key !== \"callee\" || !path.parentPath.isCallExpression()) {\n      return \"unknown\";\n    }\n    if (executionOrderCheckedNodes.has(path.node)) continue;\n    executionOrderCheckedNodes.add(path.node);\n    const status = this._guessExecutionStatusRelativeTo(path);\n    executionOrderCheckedNodes.delete(path.node);\n    if (allStatus && allStatus !== status) {\n      return \"unknown\";\n    } else {\n      allStatus = status;\n    }\n  }\n  return allStatus;\n}\n\nfunction resolve(dangerous, resolved) {\n  return this._resolve(dangerous, resolved) || this;\n}\n\nfunction _resolve(dangerous, resolved) {\n  if (resolved && resolved.indexOf(this) >= 0) return;\n  resolved = resolved || [];\n  resolved.push(this);\n  if (this.isVariableDeclarator()) {\n    if (this.get(\"id\").isIdentifier()) {\n      return this.get(\"init\").resolve(dangerous, resolved);\n    } else {\n    }\n  } else if (this.isReferencedIdentifier()) {\n    const binding = this.scope.getBinding(this.node.name);\n    if (!binding) return;\n    if (!binding.constant) return;\n    if (binding.kind === \"module\") return;\n    if (binding.path !== this) {\n      const ret = binding.path.resolve(dangerous, resolved);\n      if (this.find(parent => parent.node === ret.node)) return;\n      return ret;\n    } else if (this.isTypeCastExpression()) {\n      return this.get(\"expression\").resolve(dangerous, resolved);\n    } else if (dangerous && this.isMemberExpression()) {\n      const targetKey = this.toComputedKey();\n      if (!t.isLiteral(targetKey)) return;\n      const targetName = targetKey.value;\n      const target = this.get(\"object\").resolve(dangerous, resolved);\n      if (target.isObjectExpression()) {\n        const props = target.get(\"properties\");\n        for (const prop of props) {\n          if (!prop.isProperty()) continue;\n          const key = prop.get(\"key\");\n          let match = prop.isnt(\"computed\") && key.isIdentifier({\n            name: targetName\n          });\n          match = match || key.isLiteral({\n            value: targetName\n          });\n          if (match) return prop.get(\"value\").resolve(dangerous, resolved);\n        }\n      } else if (target.isArrayExpression() && !isNaN(+targetName)) {\n        const elems = target.get(\"elements\");\n        const elem = elems[targetName];\n        if (elem) return elem.resolve(dangerous, resolved);\n      }\n    }\n  }\n  return this;\n}\n\nfunction isConstantExpression() {\n  if

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(this.isIdentifier()) {\n  const binding = this.scope.getBinding(this.node.name);\n  if (!binding) return false;\n  return binding.constant;\n }\n\n if (this.isLiteral()) {\n  if (this.isRegExpLiteral()) {\n    return false;\n  }\n\n  if (this.isTemplateLiteral()) {\n    return this.get(\"expressions\").every(expression =>\n      expression.isConstantExpression());\n  }\n\n  return true;\n }\n\n if (this.isUnaryExpression()) {\n  if (this.get(\"operator\").node !== \"void\") {\n    return false;\n  }\n\n  return this.get(\"argument\").isConstantExpression();\n }\n\n if (this.isBinaryExpression()) {\n  return this.get(\"left\").isConstantExpression() && this.get(\"right\").isConstantExpression();\n }\n\n return false;\n}\n\nfunction isInStrictMode() {\n  const start = this.isProgram() ? this : this.parentPath;\n  const strictParent = start.find(path => {\n    if (path.isProgram({\n      sourceType: \"module\"\n    })) return true;\n    if (path.isClass()) return true;\n    if (!path.isProgram() && !path.isFunction()) return false;\n    if (path.isArrowFunctionExpression() && !path.get(\"body\").isBlockStatement()) {\n      return false;\n    }\n\n    let {\n      node\n    } = path;\n    if (path.isFunction()) node = node.body;\n\n    for (const directive of node.directives) {\n      if (directive.value.value === \"use strict\") {\n        return true;\n      }\n    }\n  });\n  return !!strictParent;\n},\n\n\"use strict\",\n\nObject.defineProperty(exports, \"__esModule\", {\n  value: true\n});\n\nexports.call = call;\nexports._call = _call;\nexports.isBlacklisted = exports.isDenylisted = isDenylisted;\nexports.visit = visit;\nexports.skip = skip;\nexports.skipKey = skipKey;\nexports.stop = stop;\nexports.setScope = setScope;\nexports.setContext = setContext;\nexports.resync = resync;\nexports._resyncParent = _resyncParent;\nexports._resyncKey = _resyncKey;\nexports._resyncList = _resyncList;\nexports._resyncRemoved = _resyncRemoved;\nexports.popContext = popContext;\nexports.pushContext = pushContext;\nexports.setup = setup;\nexports.setKey = setKey;\nexports.requeue = requeue;\nexports._getQueueContexts = _getQueueContexts;\n\nvar _index = _interopRequireDefault(require(\"../index\"));\nvar _index2 = require(\"../index\");\n\nfunction _interopRequireDefault(obj) {\n  return obj && obj.__esModule ? obj : { default: obj };\n}\n\nfunction call(key) {\n  const opts = this.opts;\n  this.debug(key);\n\n  if (this.node) {\n    if (this._call(opts[key])) return true;\n  }\n\n  if (this.node) {\n    return this._call(opts[this.node.type] && opts[this.node.type][key]);\n  }\n\n  return false;\n}\n\nfunction _call(fns) {\n  if (!fns) return false;\n\n  for (const fn of fns) {\n    if (!fn) continue;\n\n    const node = this.node;\n    if (!node) return true;\n\n    const ret = fn.call(this.state, this, this.state);\n\n    if (ret && typeof ret === \"object\" && typeof ret.then === \"function\") {\n      throw new Error(`You appear to be using a plugin with an async traversal visitor, ` + `which your current version of Babel does not support. ` + `If you're using a published plugin, you may need to upgrade ` + `your @babel/core version.`);\n    }\n\n    if (ret) {\n      throw new Error(`Unexpected return value from visitor method ${fn}`);\n    }\n\n    if (this.node !== node) return true;\n\n    if (this._traverseFlags > 0) return true;\n  }\n\n  return false;\n}\n\nfunction isDenylisted() {\n  var _this$opts$denylist;\n\n  const denylist = (_this$opts$denylist = this.opts.denylist) != null ? _this$opts$denylist : this.opts.blacklist;\n  return denylist && denylist.indexOf(this.node.type) > -1;\n}\n\nfunction visit() {\n  if (!this.node) {\n    return false;\n  }\n\n  if (this.isDenylisted()) {\n    return false;\n  }\n\n  if (this.opts.shouldSkip && this.opts.shouldSkip(this)) {\n    return false;\n  }\n\n  if (this.shouldSkip || this.call(\"enter\") || this.shouldSkip) {\n    this.debug(\"Skip...\");\n    return this.shouldStop;\n  }\n\n  this.debug(\"Recurring into...\");\n\n  _index.default.node(this.node, this.opts, this.scope, this.state, this, this.skipKeys);\n  this.call(\"exit\");\n  return this.shouldStop;\n}\n\nfunction skip() {\n  this.shouldSkip = true;\n}\n\nfunction skipKey(key) {\n  if (this.skipKeys === null) {\n    this.skipKeys = {};\n  }\n\n  this.skipKeys[key] = true;\n}\n\nfunction stop() {\n  this._traverseFlags |= _index2.SHOULD_SKIP | _index2.SHOULD_STOP;\n}\n\nfunction setScope() {\n  if (this.opts && this.opts.noScope) return;\n\n  let path = this.parentPath;\n  let target;\n\n  while (path && !target) {\n    if (path.opts && path.opts.noScope) return;\n\n    target = path.scope;\n    path = path.parentPath;\n  }\n\n  this.scope = this.getScope(target);\n  if (this.scope) this.scope.init();\n}\n\nfunction setContext(context) {\n  if (this.skipKeys !== null) {\n    this.skipKeys = {};\n  }\n\n  this._traverseFlags = 0;\n\n  if (context) {\n    this.context = context;\n\n    this.state = context.state;\n    this.opts = context.opts;\n  }\n\n  this.setScope();\n  return this;\n}\n\nfunction resync() {\n  if (this.removed) return;\n\n  this._resyncParent();\n  this._resyncList();\n  this._resyncKey();\n}\n\nfunction _resyncParent() {\n  if (this.parentPath) {\n    this.parent = this.parentPath.node;\n  }\n}\n\nfunction _resyncKey()

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{\n if (!this.container) return;\n if (this.node === this.container[this.key]) return;\n\n if
(Array.isArray(this.container)) {\n for (let i = 0; i < this.container.length; i++) {\n if (this.container[i] ===
this.node) {\n return this.setKey(i);\n } } else {\n for (const key of Object.keys(this.container)) {\n
if (this.container[key] === this.node) {\n return this.setKey(key);\n } } } this.key =
null;\n\nfunction _resyncList() {\n if (!this.parent || !this.inList) return;\n const newContainer =
this.parent[this.listKey];\n if (this.container === newContainer) return;\n this.container = newContainer ||
null;\n\nfunction _resyncRemoved() {\n if (this.key === null || !this.container || this.container[this.key] !==
this.node) {\n this._markRemoved();\n } }\n\nfunction popContext() {\n this.contexts.pop();\n\n if
(this.contexts.length > 0) {\n this.setContext(this.contexts[this.contexts.length - 1]);\n } else {\n
this.setContext(undefined);\n } }\n\nfunction pushContext(context) {\n this.contexts.push(context);\n
this.setContext(context);\n }\n\nfunction setup(parentPath, container, listKey, key) {\n this.listKey = listKey;\n
this.container = container;\n this.parentPath = parentPath || this.parentPath;\n this.setKey(key);\n }\n\nfunction
setKey(key) {\n var _this$node;\n\n this.key = key;\n this.node = this.container[this.key];\n this.type =
(_this$node = this.node) == null ? void 0 : _this$node.type;\n }\n\nfunction requeue(pathToQueue = this) {\n if
(pathToQueue.removed) return;\n const contexts = this.contexts;\n\n for (const context of contexts) {\n
context.maybeQueue(pathToQueue);\n } }\n\nfunction _getQueueContexts() {\n let path = this;\n let contexts =
this.contexts;\n\n while (!contexts.length) {\n path = path.parentPath;\n if (!path) break;\n contexts =
path.contexts;\n } }\n\n return contexts;\n }","use strict";\n\nObject.defineProperty(exports, "__esModule", {
value: true\n});\nexports.remove = remove;\nexports._removeFromScope =
_removeFromScope;\nexports._callRemovalHooks = _callRemovalHooks;\nexports._remove =
_remove;\nexports._markRemoved = _markRemoved;\nexports._assertUnremoved = _assertUnremoved;\n\nvar
_removalHooks = require("./lib/removal-hooks");\n\nvar _index = require("./index");\n\nfunction remove() {\n
var _this$opts;\n\n this._assertUnremoved();\n\n this.resync();\n\n if (!((_this$opts = this.opts) === null ? void 0 :
_this$opts.noScope)) {\n this._removeFromScope();\n } }\n\n if (this._callRemovalHooks()) {\n
this._markRemoved();\n\n return;\n } }\n\n this.shareCommentsWithSiblings();\n\n this._remove();\n\n
this._markRemoved();\n }\n\nfunction _removeFromScope() {\n const bindings = this.getBindingIdentifiers();\n
Object.keys(bindings).forEach(name => this.scope.removeBinding(name));\n }\n\nfunction _callRemovalHooks()
{\n for (const fn of _removalHooks.hooks) {\n if (fn(this, this.parentPath)) return true;\n } }\n\nfunction
_remove() {\n if (Array.isArray(this.container)) {\n this.container.splice(this.key, 1);\n
this.updateSiblingKeys(this.key, -1);\n } else {\n this._replaceWith(null);\n } }\n\nfunction _markRemoved()
{\n this._traverseFlags |= _index.SHOULD_SKIP | _index.REMOVED;\n this.node = null;\n }\n\nfunction
_assertUnremoved() {\n if (this.removed) {\n throw this.buildCodeFrameError("NodePath has been removed so
is read-only.");\n } }\n }","use strict";\n\nObject.defineProperty(exports, "__esModule", {
value: true\n});\n\nexports.hooks = void 0;\n\nconst hooks = [function (self, parent) {\n const removeParent = self.key ===
"test" && (parent.isWhile() || parent.isSwitchCase()) || self.key === "declaration" &&
parent.isExportDeclaration() || self.key === "body" && parent.isLabeledStatement() || self.listKey ===
"declarations" && parent.isVariableDeclaration() && parent.node.declarations.length === 1 || self.key ===
"expression" && parent.isExpressionStatement();\n\n if (removeParent) {\n parent.remove();\n return true;\n
} }\n}, function (self, parent) {\n if (parent.isSequenceExpression() && parent.node.expressions.length === 1) {\n
parent.replaceWith(parent.node.expressions[0]);\n return true;\n } }\n}, function (self, parent) {\n if
(parent.isBinary()) {\n if (self.key === "left") {\n parent.replaceWith(parent.node.right);\n } else {\n
parent.replaceWith(parent.node.left);\n } }\n\n return true;\n } }\n}, function (self, parent) {\n if
(parent.isIfStatement() && (self.key === "consequent" || self.key === "alternate") || self.key === "body" &&
(parent.isLoop() || parent.isArrowFunctionExpression())) {\n self.replaceWith({\n type: "BlockStatement",\n
body: []\n });\n return true;\n } }\n];\n\nexports.hooks = hooks;","use strict";\n\nObject.defineProperty(exports,
"__esModule", {
value: true\n});\n\nexports.insertBefore = insertBefore;\nexports._containerInsert =
_containerInsert;\nexports._containerInsertBefore = _containerInsertBefore;\nexports._containerInsertAfter =
_containerInsertAfter;\n\nexports.insertAfter = insertAfter;\n\nexports.updateSiblingKeys =

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updateSiblingKeys;\nexports._verifyNodeList = _verifyNodeList;\nexports.unshiftContainer =
unshiftContainer;\nexports.pushContainer = pushContainer;\nexports.hoist = hoist;\n\nvar _cache =
require(\"../cache\");\n\nvar _hoister = _interopRequireDefault(require(\"../lib/hoister\"));\n\nvar _index =
_interopRequireDefault(require(\"../index\"));\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; }\n\nfunction insertBefore(nodes) {\n  this._assertUnremoved();\n  nodes
= this._verifyNodeList(nodes);\n  const {\n    parentPath\n  } = this;\n  if (parentPath.isExpressionStatement() ||
parentPath.isLabeledStatement() || parentPath.isExportNamedDeclaration() ||
parentPath.isExportDefaultDeclaration() && this.isDeclaration()) {\n    return parentPath.insertBefore(nodes);\n  }
else if (this.isNodeType(\"Expression\") && !this.isJSXElement() || parentPath.isForStatement() && this.key ===
\"init\") {\n    if (this.node) nodes.push(this.node);\n    return this.replaceExpressionWithStatements(nodes);\n  } else
if (Array.isArray(this.container)) {\n    return this._containerInsertBefore(nodes);\n  } else if
(this.isStatementOrBlock()) {\n    const shouldInsertCurrentNode = this.node && (!this.isExpressionStatement() ||
this.node.expression !== null);\n    this.replaceWith(t.blockStatement(shouldInsertCurrentNode ? [this.node] : []));\n
return this.unshiftContainer(\"body\", nodes);\n  } else {\n    throw new Error(\"We don't know what to do with this
node type. \" + \"We were previously a Statement but we can't fit in here?\");\n  }\n}\n\nfunction
_containerInsert(from, nodes) {\n  this.updateSiblingKeys(from, nodes.length);\n  const paths = [];\n  this.container.splice(from, 0, ...nodes);\n  for (let i = 0; i < nodes.length; i++) {\n    const to = from + i;\n    const
path = this.getSibling(to);\n    paths.push(path);\n    if (this.context && this.context.queue) {\n      path.pushContext(this.context);\n    }\n    const contexts = this._getQueueContexts();\n    for (const path of
paths) {\n      path.setScope();\n      path.debug(\"Inserted.\");\n      for (const context of contexts) {\n        context.maybeQueue(path, true);\n      }\n    }\n    return paths;\n  }\n}\n\nfunction _containerInsertBefore(nodes) {\n
return this._containerInsert(this.key, nodes);\n}\n\nfunction _containerInsertAfter(nodes) {\n  return
this._containerInsert(this.key + 1, nodes);\n}\n\nfunction insertAfter(nodes) {\n  this._assertUnremoved();\n  nodes
= this._verifyNodeList(nodes);\n  const {\n    parentPath\n  } = this;\n  if
(parentPath.isExpressionStatement() || parentPath.isLabeledStatement() || parentPath.isExportNamedDeclaration() ||
parentPath.isExportDefaultDeclaration() && this.isDeclaration()) {\n    return
parentPath.insertAfter(nodes.map(node => {\n      return t.isExpression(node) ? t.expressionStatement(node) :
node;\n    }));\n  } else if (this.isNodeType(\"Expression\") && !this.isJSXElement() &&
!parentPath.isJSXElement() || parentPath.isForStatement() && this.key === \"init\") {\n    if (this.node) {\n      let
{\n        scope\n      } = this;\n      if (parentPath.isMethod({\n        computed: true,\n        key: this.node\n      }))
{\n        scope = scope.parent;\n      }\n      const temp = scope.generateDeclaredUidIdentifier();\n      nodes.unshift(t.expressionStatement(t.assignmentExpression(\"=\", t.cloneNode(temp), this.node)));\n
nodes.push(t.expressionStatement(t.cloneNode(temp)));\n    }\n    return
this.replaceExpressionWithStatements(nodes);\n  } else if (Array.isArray(this.container)) {\n    return
this._containerInsertAfter(nodes);\n  } else if (this.isStatementOrBlock()) {\n    const shouldInsertCurrentNode =
this.node && (!this.isExpressionStatement() || this.node.expression !== null);\n    this.replaceWith(t.blockStatement(shouldInsertCurrentNode ? [this.node] : []));\n    return
this.pushContainer(\"body\", nodes);\n  } else {\n    throw new Error(\"We don't know what to do with this node

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type. \ + \ "We were previously a Statement but we can't fit in here?");\n } \n} \n\nfunction
updateSiblingKeys(fromIndex, incrementBy) {\n  if (!this.parent) return;\n\n  const paths =
_cache.path.get(this.parent);\n\n  for (let i = 0; i < paths.length; i++) {\n    const path = paths[i];\n\n    if (path.key >=
fromIndex) {\n      path.key += incrementBy;\n    } \n } \n} \n\nfunction _verifyNodeList(nodes) {\n  if (!nodes) {\n
return [];\n } \n\n  if (nodes.constructor !== Array) {\n    nodes = [nodes];\n } \n\n  for (let i = 0; i < nodes.length;
i++) {\n    const node = nodes[i];\n    let msg;\n\n    if (!node) {\n      msg = \"has falsy node\";\n    } else if (typeof
node !== \"object\") {\n      msg = \"contains a non-object node\";\n    } else if (!node.type) {\n      msg = \"without a
type\";\n    } else if (node instanceof _index.default) {\n      msg = \"has a NodePath when it expected a raw
object\";\n    } \n\n    if (msg) {\n      const type = Array.isArray(node) ? \"array\" : typeof node;\n      throw new
Error(`Node list ${msg} with the index of ${i} and type of ${type}`);\n    } \n } \n\n  return nodes;\n} \n\nfunction
unshiftContainer(listKey, nodes) {\n  this._assertUnremoved();\n\n  nodes = this._verifyNodeList(nodes);\n\n  const
path = _index.default.get({\n    parentPath: this,\n    parent: this.node,\n    container: this.node[listKey],\n
listKey,\n    key: 0\n });\n\n  return path._containerInsertBefore(nodes);\n} \n\nfunction pushContainer(listKey,
nodes) {\n  this._assertUnremoved();\n\n  nodes = this._verifyNodeList(nodes);\n  const container =
this.node[listKey];\n\n  const path = _index.default.get({\n    parentPath: this,\n    parent: this.node,\n    container:
container,\n    listKey,\n    key: container.length\n });\n\n  return path.replaceWithMultiple(nodes);\n} \n\nfunction
hoist(scope = this.scope) {\n  const hoister = new _hoister.default(this, scope);\n  return hoister.run();\n} \n\n\"use
strict\";\n\nObject.defineProperty(exports, \"_esModule\", {\n  value: true\n});\n\nexports.default = void 0;\n\nvar t =
_interopRequireWildcard(require(\"@babel/types\"));\n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== \"function\") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; }\n\nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== \"object\" && typeof obj !== \"function\") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; }\n\nconst referenceVisitor = {\n  ReferencedIdentifier(path, state) {\n    if
(path.isJSXIdentifier() && t.react.isCompatTag(path.node.name) && !path.parentPath.isJSXMemberExpression())
{\n      return;\n    } \n\n    if (path.node.name === \"this\") {\n      let scope = path.scope;\n\n      do {\n        if
(scope.path.isFunction() && !scope.path.isArrowFunctionExpression()) {\n          break;\n        } \n      } while (scope
= scope.parent);\n\n      if (scope) state.breakOnScopePaths.push(scope.path);\n    } \n\n    const binding =
path.scope.getBinding(path.node.name);\n\n    if (!binding) return;\n\n    for (const violation of
binding.constantViolations) {\n      if (violation.scope !== binding.path.scope) {\n        state.mutableBinding =
true;\n        path.stop();\n        return;\n      } \n    } \n\n    if (binding !== state.scope.getBinding(path.node.name))
return;\n\n    state.bindings[path.node.name] = binding;\n  } \n} \n\n};\n\nclass PathHoister {\n  constructor(path, scope)
{\n    this.breakOnScopePaths = [];\n    this.bindings = {};\n    this.mutableBinding = false;\n    this.scopes = [];\n
this.scope = scope;\n    this.path = path;\n    this.attachAfter = false;\n  } \n\n  isCompatibleScope(scope) {\n    for
(const key of Object.keys(this.bindings)) {\n      const binding = this.bindings[key];\n\n      if
(!scope.bindingIdentifierEquals(key, binding.identifier)) {\n        return false;\n      } \n    } \n\n    return true;\n  } \n\n
getCompatibleScopes() {\n    let scope = this.path.scope;\n\n    do {\n      if (this.isCompatibleScope(scope)) {\n
this.scopes.push(scope);\n    } else {\n      break;\n    } \n\n    if (this.breakOnScopePaths.indexOf(scope.path)
>= 0) {\n      break;\n    } \n  } while (scope = scope.parent);\n  } \n\n  getAttachmentPath() {\n    let path =
this._getAttachmentPath();\n\n    if (!path) return;\n\n    let targetScope = path.scope;\n\n    if (targetScope.path ===
path) {\n      targetScope = path.scope.parent;\n    } \n\n    if (targetScope.path.isProgram() ||
targetScope.path.isFunction()) {\n      for (const name of Object.keys(this.bindings)) {\n        if
(!targetScope.hasOwnBinding(name)) continue;\n\n        const binding = this.bindings[name];\n\n        if (binding.kind
=== \"param\" || binding.path.parentKey === \"params\") {\n          continue;\n        } \n      } \n\n      const

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bindingParentPath = this.getAttachmentParentForPath(binding.path);\n\n    if (bindingParentPath.key >=
path.key) {\n      this.attachAfter = true;\n      path = binding.path;\n      for (const violationPath of
binding.constantViolations) {\n        if (this.getAttachmentParentForPath(violationPath).key > path.key) {\n
path = violationPath;\n        }\n      }\n    }\n  }\n\n  return path;\n}\n\n_getAttachmentPath() {\n
const scopes = this.scopes;\n  const scope = scopes.pop();\n  if (!scope) return;\n  if (scope.path.isFunction())
{\n    if (this.hasOwnParamBindings(scope)) {\n      if (this.scope === scope) return;\n      const bodies =
scope.path.get("body").get("body");\n      for (let i = 0; i < bodies.length; i++) {\n        if
(bodies[i].node._blockHoist) continue;\n        return bodies[i];\n      }\n    } else {\n      return
this.getNextScopeAttachmentParent();\n    }\n  } else if (scope.path.isProgram()) {\n    return
this.getNextScopeAttachmentParent();\n  }\n}\n\n  getNextScopeAttachmentParent() {\n    const scope =
this.scopes.pop();\n    if (scope) return this.getAttachmentParentForPath(scope.path);\n  }\n\n  getAttachmentParentForPath(path) {\n    do {\n      if (!path.parentPath || Array.isArray(path.container) &&
path.isStatement()) {\n        return path;\n      }\n    } while (path = path.parentPath);\n  }\n\n  hasOwnParamBindings(scope) {\n    for (const name of Object.keys(this.bindings)) {\n      if
(!scope.hasOwnBinding(name)) continue;\n      const binding = this.bindings[name];\n      if (binding.kind ===
"param" && binding.constant) return true;\n    }\n    return false;\n  }\n\n  run() {\n
this.path.traverse(referenceVisitor, this);\n    if (this.mutableBinding) return;\n    this.getCompatibleScopes();\n
const attachTo = this.getAttachmentPath();\n    if (!attachTo) return;\n    if (attachTo.getFunctionParent() ===
this.path.getFunctionParent()) return;\n    let uid = attachTo.scope.generateUidIdentifier("ref");\n    const declarator
= t.variableDeclarator(uid, this.path.node);\n    const insertFn = this.attachAfter ? "insertAfter" : "insertBefore";\n
const [attached] = attachTo[insertFn]([attachTo.isVariableDeclarator() ? declarator : t.variableDeclaration("var",
[declarator])]);\n    const parent = this.path.parentPath;\n\n    if (parent.isJSXElement() && this.path.container ===
parent.node.children) {\n      uid = t.JSXExpressionContainer(uid);\n    }\n\n    this.path.replaceWith(t.cloneNode(uid));\n    return attachTo.isVariableDeclarator() ? attached.get("init") :
attached.get("declarations.0.init");\n  }\n\n  nextExports.default = PathHoister;"\n\n  use
strict";\n\n  Object.defineProperty(exports, "__esModule", {\n    value: true\n});\n  nextExports.getOpposite =
getOpposite;\n  nextExports.getCompletionRecords = getCompletionRecords;\n  nextExports.getSibling =
getSibling;\n  nextExports.getPrevSibling = getPrevSibling;\n  nextExports.getNextSibling =
getNextSibling;\n  nextExports.getAllNextSiblings = getAllNextSiblings;\n  nextExports.getAllPrevSiblings =
getAllPrevSiblings;\n  nextExports.get = get;\n  nextExports._getKey = _getKey;\n  nextExports._getPattern =
_getPattern;\n  nextExports.getBindingIdentifiers = getBindingIdentifiers;\n  nextExports.getOuterBindingIdentifiers =
getOuterBindingIdentifiers;\n  nextExports.getBindingIdentifierPaths =
getBindingIdentifierPaths;\n  nextExports.getOuterBindingIdentifierPaths = getOuterBindingIdentifierPaths;\n\n  nvar
_index = _interopRequireDefault(require("./index")); \n\n  nvar t =
_interopRequireWildcard(require("@babel/types")); \n\n  nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; } \n\n  nfunction _interopRequireWildcard(obj) { if (obj && obj.__esModule) { return
obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return { default: obj }; } var
cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return cache.get(obj); } var newObj = {}; var
hasPropertyDescriptor = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var key in obj) { if
(Object.prototype.hasOwnProperty.call(obj, key)) { var desc = hasPropertyDescriptor ?
Object.getOwnPropertyDescriptor(obj, key) : null; if (desc && (desc.get || desc.set)) {
Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } } newObj.default = obj; if (cache) {
cache.set(obj, newObj); } return newObj; } \n\n  nfunction _interopRequireDefault(obj) { return obj &&
obj.__esModule ? obj : { default: obj }; } \n\n  nfunction getOpposite() {\n    if (this.key === "left") {\n      return
this.getSibling("right");\n    } else if (this.key === "right") {\n      return this.getSibling("left");\n    }\n  }\n\n  nfunction
addCompletionRecords(path, paths) {\n    if (path) return paths.concat(path.getCompletionRecords());\n    return
paths;\n  }\n\n  nfunction findBreak(statements) {\n    let breakStatement;\n\n    if (!Array.isArray(statements)) {\n

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statements = [statements];\n }
\n\n for (const statement of statements) {\n  if (statement.isDoExpression() ||
statement.isProgram() || statement.isBlockStatement() || statement.isCatchClause() ||
statement.isLabeledStatement()) {\n   breakStatement = findBreak(statement.get("body"));
\n   } else if
(statement.isIfStatement()) {\n   var _findBreak;\n\n   breakStatement = (_findBreak =
findBreak(statement.get("consequent"))) != null ? _findBreak : findBreak(statement.get("alternate"));
\n   } else if
(statement.isTryStatement()) {\n   var _findBreak2;\n\n   breakStatement = (_findBreak2 =
findBreak(statement.get("block"))) != null ? _findBreak2 : findBreak(statement.get("handler"));
\n   } else if
(statement.isBreakStatement()) {\n   breakStatement = statement;\n   }\n\n   if (breakStatement) {\n   return
breakStatement;\n   }\n   }\n\n   return null;\n   }\n\n   function completionRecordForSwitch(cases, paths) {\n   let
isLastCaseWithConsequent = true;\n\n   for (let i = cases.length - 1; i >= 0; i--) {\n   const switchCase = cases[i];
\n   const consequent = switchCase.get("consequent");\n   let breakStatement = findBreak(consequent);\n\n   if
(breakStatement) {\n   while (breakStatement.key === 0 && breakStatement.parentPath.isBlockStatement()) {\n
breakStatement = breakStatement.parentPath;\n   }\n\n   const prevSibling =
breakStatement.getPrevSibling();\n\n   if (breakStatement.key > 0 && (prevSibling.isExpressionStatement() ||
prevSibling.isBlockStatement())) {\n   paths = addCompletionRecords(prevSibling, paths);\n
breakStatement.remove();\n   } else {\n
breakStatement.replaceWith(breakStatement.scope.buildUndefinedNode());\n   paths =
addCompletionRecords(breakStatement, paths);\n   }\n   } else if (isLastCaseWithConsequent) {\n   const
statementFinder = statement => !statement.isBlockStatement() || statement.get("body").some(statementFinder);\n\n
const hasConsequent = consequent.some(statementFinder);\n\n   if (hasConsequent) {\n   paths =
addCompletionRecords(consequent[consequent.length - 1], paths);\n   isLastCaseWithConsequent = false;\n
}\n   }\n   }\n\n   return paths;\n   }\n\n   function getCompletionRecords() {\n   let paths = [];\n\n   if (this.isIfStatement())
{\n   paths = addCompletionRecords(this.get("consequent"), paths);\n   paths =
addCompletionRecords(this.get("alternate"), paths);\n   } else if (this.isDoExpression() || this.isFor() ||
this.isWhile()) {\n   paths = addCompletionRecords(this.get("body"), paths);\n   } else if (this.isProgram() ||
this.isBlockStatement()) {\n   paths = addCompletionRecords(this.get("body").pop(), paths);\n   } else if
(this.isFunction()) {\n   return this.get("body").getCompletionRecords();\n   } else if (this.isTryStatement()) {\n
paths = addCompletionRecords(this.get("block"), paths);\n   paths = addCompletionRecords(this.get("handler"),
paths);\n   } else if (this.isCatchClause()) {\n   paths = addCompletionRecords(this.get("body"), paths);\n   } else if
(this.isSwitchStatement()) {\n   paths = completionRecordForSwitch(this.get("cases"), paths);\n   } else {\n
paths.push(this);\n   }\n\n   return paths;\n   }\n\n   function getSibling(key) {\n   return _index.default.get({\n
parentPath: this.parentPath,\n   parent: this.parent,\n   container: this.container,\n   listKey: this.listKey,\n   key:
key\n   });\n   }\n\n   function getPrevSibling() {\n   return this.getSibling(this.key - 1);\n   }\n\n   function getNextSibling()
{\n   return this.getSibling(this.key + 1);\n   }\n\n   function getAllNextSiblings() {\n   let _key = this.key;\n   let sibling =
this.getSibling(++_key);\n   const siblings = [];\n\n   while (sibling.node) {\n   siblings.push(sibling);\n   sibling =
this.getSibling(++_key);\n   }\n\n   return siblings;\n   }\n\n   function getAllPrevSiblings() {\n   let _key = this.key;\n   let
sibling = this.getSibling(--_key);\n   const siblings = [];\n\n   while (sibling.node) {\n   siblings.push(sibling);\n
sibling = this.getSibling(--_key);\n   }\n\n   return siblings;\n   }\n\n   function get(key, context) {\n   if (context === true)
context = this.context;\n   const parts = key.split("\\.");\n\n   if (parts.length === 1) {\n   return this._getKey(key,
context);\n   } else {\n   return this._getPattern(parts, context);\n   }\n   }\n\n   function _getKey(key, context) {\n   const
node = this.node;\n   const container = node[key];\n\n   if (Array.isArray(container)) {\n   return container.map((_, i)
=> {\n   return _index.default.get({\n   listKey: key,\n   parentPath: this,\n   parent: node,\n   container:
container,\n   key: i\n   }).setContext(context);\n   });\n   } else {\n   return _index.default.get({\n
parentPath: this,\n   parent: node,\n   container: node,\n   key: key\n   }).setContext(context);\n   }\n   }\n\n   function _getPattern(parts, context) {\n   let path = this;\n\n   for (const part of parts) {\n   if (part === "\\.")
{\n   path = path.parentPath;\n   } else {\n   if (Array.isArray(path)) {\n   path = path[part];\n   } else {\n
path = path.get(part, context);\n   }\n   }\n   }\n\n   return path;\n   }\n\n   function getBindingIdentifiers(duplicates) {\n
return t.getBindingIdentifiers(this.node, duplicates);\n   }\n\n   function getOuterBindingIdentifiers(duplicates) {\n

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return t.getOuterBindingIdentifiers(this.node, duplicates);\n\nfunction getBindingIdentifierPaths(duplicates =
false, outerOnly = false) {\n  const path = this;\n  let search = [].concat(path);\n  const ids = Object.create(null);\n  while (search.length) {\n    const id = search.shift();\n    if (!id) continue;\n    if (!id.node) continue;\n    const keys =
t.getBindingIdentifiers.keys[id.node.type];\n\n    if (id.isIdentifier()) {\n      if (duplicates) {\n        const _ids =
ids[id.node.name] = ids[id.node.name] || [];\n\n        _ids.push(id);\n      } else {\n        ids[id.node.name] = id;\n      }\n\n      continue;\n    }\n\n    if (id.isExportDeclaration()) {\n      const declaration = id.get("declaration");\n\n      if (declaration.isDeclaration()) {\n        search.push(declaration);\n      }\n\n      continue;\n    }\n\n    if (outerOnly) {\n      if (id.isFunctionDeclaration()) {\n        search.push(id.get("id")); \n        continue;\n      }\n\n      if
(id.isFunctionExpression()) {\n        continue;\n      }\n    }\n\n    if (keys) {\n      for (let i = 0; i < keys.length; i++) {\n        const key = keys[i];\n        const child = id.get(key);\n        if (Array.isArray(child) || child.node) {\n          search = search.concat(child);\n        }\n      }\n    }\n\n    return ids;\n  }\n}\n\nfunction
getOuterBindingIdentifierPaths(duplicates) {\n  return this.getBindingIdentifierPaths(duplicates, true);\n}, "\n"use
strict";\n\nObject.defineProperty(exports, "__esModule", {\n  value:
true\n});\n\nexports.shareCommentsWithSiblings = shareCommentsWithSiblings;\nexports.addComment =
addComment;\nexports.addComments = addComments;\n\nvar t =
_interopRequireWildcard(require("@babel/types")); \n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; } \n\nfunction _interopRequireDefault(obj) { if (obj && obj.__esModule) {
return obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return {
default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return
cache.get(obj); } var newObj = {}; var hasPropertyDescriptor = Object.defineProperty &&
Object.getOwnPropertyDescriptor; for (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj,
key)) { var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null; if (desc &&
(desc.get || desc.set)) { Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } }
newObj.default = obj; if (cache) { cache.set(obj, newObj); } return newObj; } \n\nfunction
shareCommentsWithSiblings() {\n  if (typeof this.key === "string") return;\n  const node = this.node;\n  if
(!node) return;\n  const trailing = node.trailingComments;\n  const leading = node.leadingComments;\n  if
(!trailing && !leading) return;\n  const prev = this.getSibling(this.key - 1);\n  const next =
this.getSibling(this.key + 1);\n  const hasPrev = Boolean(prev.node);\n  const hasNext =
Boolean(next.node);\n\n  if (hasPrev && !hasNext) {\n    prev.addComments("trailing", trailing);\n  }
else if (hasNext && !hasPrev) {\n    next.addComments("leading", leading);\n  }\n}\n\nfunction
addComment(type, content, line) {\n  t.addComment(this.node, type, content, line);\n}\n\nfunction
addComments(type, comments) {\n  t.addComments(this.node, type, comments);\n}, "\n"use strict";\n\nObject.
defineProperty(exports, "__esModule", {\n  value: true\n});\n\nexports.explode = explode;\nexports.verify =
verify;\nexports.merge = merge;\n\nvar
virtualTypes = _interopRequireDefault(require("./path/lib/virtual-types")); \n\nvar t =
_interopRequireWildcard(require("@babel/types")); \n\nfunction _getRequireWildcardCache() { if (typeof
WeakMap !== "function") return null; var cache = new WeakMap(); _getRequireWildcardCache = function () {
return cache; }; return cache; } \n\nfunction _interopRequireDefault(obj) { if (obj && obj.__esModule) {
return obj; } if (obj === null || typeof obj !== "object" && typeof obj !== "function") { return
{ default: obj }; } var cache = _getRequireWildcardCache(); if (cache && cache.has(obj)) { return
cache.get(obj); } var newObj = {}; var hasPropertyDescriptor = Object.defineProperty &&
Object.getOwnPropertyDescriptor; for (var key in obj) { if (Object.prototype.hasOwnProperty.call(obj,
key)) { var desc = hasPropertyDescriptor ? Object.getOwnPropertyDescriptor(obj, key) : null; if (desc &&
(desc.get || desc.set)) { Object.defineProperty(newObj, key, desc); } else { newObj[key] = obj[key]; } } }
newObj.default = obj; if (cache) { cache.set(obj, newObj); } return newObj; } \n\nfunction
explode(visitor) {\n  if (visitor._exploded) return visitor;\n  visitor._exploded = true;\n\n  for (const
nodeType of Object.keys(visitor)) {\n    if (shouldIgnoreKey(nodeType)) continue;\n    const parts =
nodeType.split("\\");\n    if (parts.length === 1) continue;\n    const fns =
visitor[nodeType];\n    delete visitor[nodeType];\n\n    for (const part of parts) {\n      visitor[part] =
fns;\n    }\n\n    verify(visitor);\n    delete visitor.__esModule;\n    ensureEntranceObjects(visitor);\n  }
}

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ensureCallbackArrays(visitor);\n\n for (const nodeType of Object.keys(visitor)) {\n  if
(shouldIgnoreKey(nodeType)) continue;\n  const wrapper = virtualTypes[nodeType];\n  if (!wrapper) continue;\n
  const fns = visitor[nodeType];\n\n  for (const type of Object.keys(fns)) {\n    fns[type] = wrapCheck(wrapper,
fns[type]);\n  }\n\n  delete visitor[nodeType];\n\n  if (wrapper.types) {\n    for (const type of wrapper.types) {\n
      if (visitor[type]) {\n        mergePair(visitor[type], fns);\n      } else {\n        visitor[type] = fns;\n      }\n
    }\n  } else {\n    mergePair(visitor, fns);\n  }\n\n  for (const nodeType of Object.keys(visitor)) {\n  if
(shouldIgnoreKey(nodeType)) continue;\n  const fns = visitor[nodeType];\n  let aliases =
t.FLIPPED_ALIAS_KEYS[nodeType];\n  const deprecatedKey = t.DEPRECATED_KEYS[nodeType];\n\n  if
(deprecatedKey) {\n    console.trace(`Visitor defined for ${nodeType} but it has been renamed to
${deprecatedKey}`);\n    aliases = [deprecatedKey];\n  }\n\n  if (!aliases) continue;\n  delete
visitor[nodeType];\n\n  for (const alias of aliases) {\n    const existing = visitor[alias];\n\n    if (existing) {\n
      mergePair(existing, fns);\n    } else {\n      visitor[alias] = Object.assign({}, fns);\n    }\n  }\n\n  for (const
nodeType of Object.keys(visitor)) {\n    if (shouldIgnoreKey(nodeType)) continue;\n
ensureCallbackArrays(visitor[nodeType]);\n  }\n\n  return visitor;\n}\n\nfunction verify(visitor) {\n  if
(visitor._verified) return;\n\n  if (typeof visitor === `function`) {\n    throw new Error(`You passed `traverse()` a
function when it expected a visitor object, ` + `are you sure you didn't mean ` { enter: Function }`?`);\n  }\n\n  for
(const nodeType of Object.keys(visitor)) {\n    if (nodeType === `enter` || nodeType === `exit`) {\n
      validateVisitorMethods(nodeType, visitor[nodeType]);\n    }\n\n    if (shouldIgnoreKey(nodeType)) continue;\n\n
if (t.TYPES.indexOf(nodeType) < 0) {\n    throw new Error(`You gave us a visitor for the node type ${nodeType}
but it's not a valid type`);\n  }\n\n  const visitors = visitor[nodeType];\n\n  if (typeof visitors === `object`) {\n
    for (const visitorKey of Object.keys(visitors)) {\n      if (visitorKey === `enter` || visitorKey === `exit`) {\n
        validateVisitorMethods(`${nodeType}.${visitorKey}`, visitors[visitorKey]);\n      } else {\n        throw new
Error(`You passed `traverse()` a visitor object with the property ` + `${nodeType} that has the invalid property
${visitorKey}`);\n      }\n    }\n\n    visitor._verified = true;\n  }\n\n  function validateVisitorMethods(path,
val) {\n    const fns = [].concat(val);\n\n    for (const fn of fns) {\n      if (typeof fn !== `function`) {\n        throw new
TypeError(`Non-function found defined in ${path} with type ${typeof fn}`);\n      }\n    }\n  }\n\n  function
merge(visitors, states = [], wrapper) {\n    const rootVisitor = {};\n\n    for (let i = 0; i < visitors.length; i++) {\n      const
visitor = visitors[i];\n      const state = states[i];\n      explode(visitor);\n\n      for (const type of Object.keys(visitor)) {\n
        let visitorType = visitor[type];\n\n        if (state || wrapper) {\n          visitorType =
wrapWithStateOrWrapper(visitorType, state, wrapper);\n        }\n\n        const nodeVisitor = rootVisitor[type] =
rootVisitor[type] || {};\n        mergePair(nodeVisitor, visitorType);\n      }\n    }\n\n    return rootVisitor;\n  }\n\n  function
wrapWithStateOrWrapper(oldVisitor, state, wrapper) {\n    const newVisitor = {};\n\n    for (const key of
Object.keys(oldVisitor)) {\n      let fns = oldVisitor[key];\n      if (!Array.isArray(fns)) continue;\n      fns =
fns.map(function (fn) {\n        let newFn = fn;\n\n        if (state) {\n          newFn = function (path) {\n            return
fn.call(state, path, state);\n          };\n        }\n\n        if (wrapper) {\n          newFn = wrapper(state.key, key, newFn);\n
        }\n\n        if (newFn !== fn) {\n          newFn.toString() = () => fn.toString();\n        }\n\n        return newFn;\n      });\n
      newVisitor[key] = fns;\n    }\n\n    return newVisitor;\n  }\n\n  function ensureEntranceObjects(obj) {\n    for (const key of
Object.keys(obj)) {\n      if (shouldIgnoreKey(key)) continue;\n      const fns = obj[key];\n\n      if (typeof fns ===
`function`) {\n        obj[key] = {\n          enter: fns\n        };\n      }\n    }\n  }\n\n  function ensureCallbackArrays(obj) {\n    if
(obj.enter && !Array.isArray(obj.enter)) obj.enter = [obj.enter];\n    if (obj.exit && !Array.isArray(obj.exit)) obj.exit
= [obj.exit];\n  }\n\n  function wrapCheck(wrapper, fn) {\n    const newFn = function (path) {\n      if
(wrapper.checkPath(path)) {\n        return fn.apply(this, arguments);\n      }\n    };\n\n    newFn.toString() = () =>
fn.toString();\n\n    return newFn;\n  }\n\n  function shouldIgnoreKey(key) {\n    if (key[0] === `_`) return true;\n    if
(key === `enter` || key === `exit` || key === `shouldSkip`) return true;\n\n    if (key === `denylist` || key ===
`noScope` || key === `skipKeys` || key === `blacklist`) {\n      return true;\n    }\n\n    return false;\n  }\n\n  function
mergePair(dest, src) {\n    for (const key of Object.keys(src)) {\n      dest[key] = [].concat(dest[key] || [], src[key]);\n
    }\n  }, `use strict`;\n\n  Object.defineProperty(exports, `__esModule`, {\n    value: true\n});\n\n  exports.default = void
0;\n\n  class Hub {\n    getCode() {}\n\n    getScope() {}\n\n    addHelper() {\n      throw new Error(`Helpers are not

```



```

supportsPerformanceNow =\n // $FlowFixMe[method-unbinding]\n typeof performance !== 'undefined' && typeof
performance.now === 'function';\n\nfunction mark(markName: string): void {\n if (supportsUserTiming) {\n
performance.mark(markName + '-start');\n }\n}\n\nfunction measure(markName: string): void {\n if
(supportsUserTiming) {\n performance.mark(markName + '-end');\n performance.measure(markName,
markName + '-start', markName + '-end');\n performance.clearMarks(markName + '-start');\n
performance.clearMarks(markName + '-end');\n }\n}\n\nfunction now(): number {\n if (supportsPerformanceNow)
{\n return performance.now();\n }\n return Date.now();\n }\n\nexport async function
withAsyncPerfMeasurements<TReturn>(\n markName: string,\n callback: () => Promise<TReturn>,\n
onComplete?: number => void,\n): Promise<TReturn> {\n const start = now();\n if
(__PERFORMANCE_PROFILE__) {\n mark(markName);\n }\n const result = await callback();\n\n if
(__PERFORMANCE_PROFILE__) {\n measure(markName);\n }\n\n if (onComplete !== null) {\n const
duration = now() - start;\n onComplete(duration);\n }\n\n return result;\n }\n\nexport function
withSyncPerfMeasurements<TReturn>(\n markName: string,\n callback: () => TReturn,\n
onComplete?: number => void,\n): TReturn {\n const start = now();\n if
(__PERFORMANCE_PROFILE__) {\n mark(markName);\n }\n const result = callback();\n\n if
(__PERFORMANCE_PROFILE__) {\n measure(markName);\n }\n\n if (onComplete !== null) {\n const
duration = now() - start;\n onComplete(duration);\n }\n\n return
result;\n }\n\nexport function withCallbackPerfMeasurements<TReturn>(\n markName: string,\n
callback: (done: () => void) => TReturn,\n onComplete?: number => void,\n): TReturn {\n const start = now();\n if
(__PERFORMANCE_PROFILE__) {\n mark(markName);\n }\n\n const done = () => {\n if
(__PERFORMANCE_PROFILE__) {\n measure(markName);\n }\n\n if (onComplete !== null) {\n const
duration = now() - start;\n onComplete(duration);\n }\n\n }; return callback(done);\n }\n\n",
/*\n * Copyright
(c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nexport const
CHROME_WEBSTORE_EXTENSION_ID = 'fmkadmapgofadopljbjfkapdkoienihi';\n\nexport const
INTERNAL_EXTENSION_ID = 'dnjnjgbfilphmojnmhliehogmojhclc';\n\nexport const LOCAL_EXTENSION_ID =
'ikiahnpldjmmpkmfhdjilojjhgcbf';\n\n// Flip this flag to true to enable verbose console debug logging.\n\nexport
const __DEBUG__ = false;\n\n// Flip this flag to true to enable performance.mark() and performance.measure()
timings.\n\nexport const __PERFORMANCE_PROFILE__ = false;\n\nexport const TREE_OPERATION_ADD =
1;\n\nexport const TREE_OPERATION_REMOVE = 2;\n\nexport const
TREE_OPERATION_REORDER_CHILDREN = 3;\n\nexport const
TREE_OPERATION_UPDATE_TREE_BASE_DURATION = 4;\n\nexport const
TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS = 5;\n\nexport const
TREE_OPERATION_REMOVE_ROOT = 6;\n\nexport const TREE_OPERATION_SET_SUBTREE_MODE =
7;\n\nexport const PROFILING_FLAG_BASIC_SUPPORT = 0b01;\n\nexport const
PROFILING_FLAG_TIMELINE_SUPPORT = 0b10;\n\nexport const
LOCAL_STORAGE_DEFAULT_TAB_KEY = 'React::DevTools::defaultTab';\n\nexport const
LOCAL_STORAGE_COMPONENT_FILTER_PREFERENCES_KEY =\n
'React::DevTools::componentFilters';\n\nexport const SESSION_STORAGE_LAST_SELECTION_KEY =\n
'React::DevTools::lastSelection';\n\nexport const LOCAL_STORAGE_OPEN_IN_EDITOR_URL =\n
'React::DevTools::openInEditorUrl';\n\nexport const LOCAL_STORAGE_PARSE_HOOK_NAMES_KEY =\n
'React::DevTools::parseHookNames';\n\nexport const
SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY =\n
'React::DevTools::recordChangeDescriptions';\n\nexport const
SESSION_STORAGE_RELOAD_AND_PROFILE_KEY =\n
'React::DevTools::reloadAndProfile';\n\nexport
const LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS =\n
'React::DevTools::breakOnConsoleErrors';\n\nexport const LOCAL_STORAGE_BROWSER_THEME =
'React::DevTools::theme';\n\nexport const
LOCAL_STORAGE_SHOULD_APPEND_COMPONENT_STACK_KEY =\n

```

```

'React::DevTools::appendComponentStack';\n\nexport const
LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY =\n
'React::DevTools::showInlineWarningsAndErrors';\n\nexport const
LOCAL_STORAGE_TRACE_UPDATES_ENABLED_KEY =\n
'React::DevTools::traceUpdatesEnabled';\n\nexport const
LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE =\n
'React::DevTools::hideConsoleLogsInStrictMode';\n\nexport const PROFILER_EXPORT_VERSION = 5;\n"/**\n
* Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport
{withSyncPerfMeasurements} from 'react-devtools-shared/src/PerformanceLoggingUtils';\n\nimport traverse from
'@babel/traverse';\n\nimport type {HooksNode} from 'react-debug-tools/src/ReactDebugHooks';\n\n// Missing types
in @babel/traverse\n\ntype NodePath = any;\ntype Node = any;\n// Missing types in @babel/types\n\ntype File =
any;\n\nexport type Position = {\n  line: number,\n  column: number,\n};\n\nexport type
SourceFileASTWithHookDetails = {\n  sourceFileAST: File,\n  line: number,\n  source: string,\n};\n\nexport const
NO_HOOK_NAME = '<no-hook>';\n\nconst AST_NODE_TYPES = Object.freeze({\n  PROGRAM: 'Program',\n  CALL_EXPRESSION: 'CallExpression',\n  MEMBER_EXPRESSION: 'MemberExpression',\n  ARRAY_PATTERN: 'ArrayPattern',\n  IDENTIFIER: 'Identifier',\n  NUMERIC_LITERAL: 'NumericLiteral',\n  VARIABLE_DECLARATOR: 'VariableDeclarator',\n});\n\n// Check if line number obtained from source map and
the line number in hook node match\n\nfunction checkNodeLocation(\n  path: NodePath,\n  line: number,\n  column?:
number | null = null,\n): boolean {\n  const {start, end} = path.node.loc;\n  if (line !== start.line) {\n    return
false;\n  }\n  if (column !== null) {\n    // Column numbers are represented differently between tools/engines.\n    //
Error.prototype.stack columns are 1-based (like most IDEs) but ASTs are 0-based.\n    // In practice this will
probably never matter,\n    // because this code matches the 1-based Error stack location for the hook Identifier (e.g.
useState)\n    // with the larger 0-based VariableDeclarator (e.g. [foo, setFoo] = useState())\n    // so the ranges
should always overlap.\n    // For more info see
https://github.com/facebook/react/pull/21833#discussion\_r666831276\n    column -= 1;\n    if (\n      (line ===
start.line && column < start.column) ||\n      (line === end.line && column > end.column)\n    ) {\n      return
false;\n    }\n  }\n  return true;\n}\n\n// Checks whether hookNode is a member of targetHookNode\n\nfunction
filterMemberNodesOfTargetHook(\n  targetHookNode: NodePath,\n  hookNode: NodePath,\n): boolean {\n  const
targetHookName = targetHookNode.node.id.name;\n  return (\n    targetHookName !== null &&\n    (targetHookName ===\n      (hookNode.node.init.object && hookNode.node.init.object.name) ||\n    targetHookName === hookNode.node.init.name)\n  );\n}\n\n// Checks whether hook is the first member node of a
state variable declaration node\n\nfunction filterMemberWithHookVariableName(hook: NodePath): boolean {\n  return (\n    hook.node.init.property.type === AST_NODE_TYPES.NUMERIC_LITERAL &&\n    hook.node.init.property.value === 0\n  );\n}\n\n// Returns all AST Nodes associated with
'potentialReactHookASTNode'\n\nfunction getFilteredHookASTNodes(\n  potentialReactHookASTNode:
NodePath,\n  potentialHooksFound: Array<NodePath>,\n  source: string,\n): Array<NodePath> {\n  let
nodesAssociatedWithReactHookASTNode: NodePath[] = [];\n  if
(nodeContainsHookVariableName(potentialReactHookASTNode)) {\n    // made custom hooks to enter this,
always\n    // Case 1.\n    // Directly usable Node -> const ref = useRef(null);\n    // -> const [tick,
setTick] = useState(1);\n    // Case 2.\n    // Custom Hooks -> const someVariable = useSomeCustomHook();\n    //
-> const [someVariable, someFunction] = useAnotherCustomHook();\n    nodesAssociatedWithReactHookASTNode.unshift(potentialReactHookASTNode);\n  } else {\n    // Case 3.\n    //
Indirectly usable Node -> const tickState = useState(1);\n    // [tick, setTick] = tickState;\n    //
-> const tickState = useState(1);\n    // const tick = tickState[0];\n    // const
setTick = tickState[1];\n    nodesAssociatedWithReactHookASTNode = potentialHooksFound.filter(hookNode =>\n      filterMemberNodesOfTargetHook(potentialReactHookASTNode, hookNode),\n    );\n  }\n  return
nodesAssociatedWithReactHookASTNode;\n}\n\n// Returns Hook name\n\nexport function getHookName(\n  hook:

```

```

HooksNode,\n originalSourceAST: mixed,\n originalSourceCode: string,\n originalSourceLineNumber: number,\n
originalSourceColumnNumber: number,\n): string | null {\n  const hooksFromAST = withSyncPerfMeasurements(\n
  'getPotentialHookDeclarationsFromAST(originalSourceAST)',\n  () =>
getPotentialHookDeclarationsFromAST(originalSourceAST),\n  );\n  let potentialReactHookASTNode = null;\n
if (originalSourceColumnNumber === 0) {\n    // This most likely indicates a source map type like 'cheap-module-
source-map'\n    // that intentionally drops column numbers for compilation speed in DEV builds.\n    // In this case,
we can assume there's probably only one hook per line (true in most cases)\n    // and just fail if we find more than
one match.\n    const matchingNodes = hooksFromAST.filter(node => {\n      const nodeLocationCheck =
checkNodeLocation(\n        node,\n        originalSourceLineNumber,\n        );\n      const hookDeclarationCheck =
isConfirmedHookDeclaration(node);\n      return nodeLocationCheck && hookDeclarationCheck;\n    });\n    if
(matchingNodes.length === 1) {\n      potentialReactHookASTNode = matchingNodes[0];\n    } else {\n
potentialReactHookASTNode = hooksFromAST.find(node => {\n      const nodeLocationCheck =
checkNodeLocation(\n        node,\n        originalSourceLineNumber,\n        originalSourceColumnNumber,\n
);\n      const hookDeclarationCheck = isConfirmedHookDeclaration(node);\n      return nodeLocationCheck &&
hookDeclarationCheck;\n    });\n  }\n  if (!potentialReactHookASTNode) {\n    return null;\n  }\n  //
nodesAssociatedWithReactHookASTNode could directly be used to obtain the hook variable name\n  // depending
on the type of potentialReactHookASTNode\n  try {\n    const nodesAssociatedWithReactHookASTNode =
withSyncPerfMeasurements(\n      'getFilteredHookASTNodes()',\n      () =>\n        getFilteredHookASTNodes(\n
        potentialReactHookASTNode,\n        hooksFromAST,\n        originalSourceCode,\n        ),\n      );\n    const
name = withSyncPerfMeasurements('getHookNameFromNode()', () =>\n      getHookNameFromNode(\n
hook,\n      nodesAssociatedWithReactHookASTNode,\n      potentialReactHookASTNode,\n      ),\n    );\n    return
name;\n  } catch (error) {\n    console.error(error);\n    return null;\n  }\n}\n\nfunction
getHookNameFromNode(\n  originalHook: HooksNode,\n  nodesAssociatedWithReactHookASTNode:
NodePath[],\n  potentialReactHookASTNode: NodePath,\n): string | null {\n  let hookVariableName: string | null;\n
const isCustomHook = originalHook.id === null;\n  switch (nodesAssociatedWithReactHookASTNode.length)
{\n    case 1:\n      // CASE 1A (nodesAssociatedWithReactHookASTNode[0] !== potentialReactHookASTNode):\n
      // const flagState = useState(true); -> later referenced as\n      // const [flag, setFlag] = flagState;\n      //\n      //
CASE 1B (nodesAssociatedWithReactHookASTNode[0] === potentialReactHookASTNode):\n      // const [flag,
setFlag] = useState(true); -> we have access to the hook variable straight away\n      //\n      // CASE 1C
(isCustomHook && nodesAssociatedWithReactHookASTNode[0] === potentialReactHookASTNode):\n      //
const someVariable = useSomeCustomHook(); -> we have access to hook variable straight away\n      // const
[someVariable, someFunction] = useAnotherCustomHook(); -> we ignore variable names in this case\n      //
as it is unclear what variable name to show\n      if (\n        isCustomHook &&\n
nodesAssociatedWithReactHookASTNode[0] === potentialReactHookASTNode\n      ) {\n        hookVariableName
= getHookVariableName(\n          potentialReactHookASTNode,\n          isCustomHook,\n          );\n        break;\n
      }\n      hookVariableName = getHookVariableName(\n        nodesAssociatedWithReactHookASTNode[0],\n        );\n
      break;\n    case 2:\n      // const flagState = useState(true); -> later referenced as\n      // const flag =
flagState[0];\n      // const setFlag = flagState[1];\n      nodesAssociatedWithReactHookASTNode =\n
nodesAssociatedWithReactHookASTNode.filter(hookPath =>\n
filterMemberWithHookVariableName(hookPath),\n      );\n      if
(nodesAssociatedWithReactHookASTNode.length !== 1) {\n        // Something went wrong, only a single desirable
hook should remain here\n        throw new Error(`Couldn't isolate AST Node containing hook variable.`);\n      }\n
      hookVariableName = getHookVariableName(\n        nodesAssociatedWithReactHookASTNode[0],\n        );\n
      break;\n    default:\n      // Case 0:\n      // const flagState = useState(true); -> which is not accessed anywhere\n
      //\n      // Case > 2 (fallback):\n      // const someState = React.useState(() => 0)\n      //\n      // const stateVariable =
someState[0]\n      // const setStateVariable = someState[1]\n      //\n      // const [number2, setNumber2] =
someState\n      //\n      // We assign the state variable for 'someState' to multiple variables,\n      // and hence cannot
isolate a unique variable name. In such cases,\n      // default to showing 'someState'\n      hookVariableName =

```

```

getHookVariableName(potentialReactHookASTNode);
  break;
}
return hookVariableName;
}

Extracts the variable name from hook node path
function getHookVariableName(
  hook: NodePath,
  isCustomHook: boolean = false,
): string | null {
  const nodeType = hook.node.id.type;
  switch (nodeType) {
    case AST_NODE_TYPES.ARRAY_PATTERN:
      return !isCustomHook ? hook.node.id.elements[0]?.name ??
        null : null;
    case AST_NODE_TYPES.IDENTIFIER:
      return hook.node.id.name;
    default:
      return
        null;
  }
}

function getPotentialHookDeclarationsFromAST(
  sourceAST: File
): NodePath[] {
  const
    potentialHooksFound: NodePath[] = [];
  withSyncPerfMeasurements('traverse(sourceAST)', () =>
    traverse(
      sourceAST,
      {
        enter(path) {
          if (
            path.isVariableDeclarator() &&
            isPotentialHookDeclaration(path)
          ) {
            potentialHooksFound.push(path);
          }
        },
        exit(path) {
          // ...
        },
      },
    );
  return
    potentialHooksFound;
}

// This function traverses the sourceAST and returns a mapping
// that maps locations in the source code to their corresponding
// Hook name, if there is a relevant Hook name for that
// location.
// A location in the source code is represented by line and column
// numbers as a Position object: {
//   line, column
// }
// - line is 1-indexed.
// - column is 0-indexed.
// A Hook name will be assigned to a
// Hook CallExpression if the CallExpression is for a variable declaration
// (i.e. it returns a value that is assigned to a variable),
// and if we can reliably infer the correct name to use
// (see comments in the function body for more details).
// The returned mapping is an array of locations and their assigned
// names, sorted by location.
// Specifically, each entry in the array contains a `name` and a `start`
// Position. The `name` of a given entry is the "assigned" name in the
// source code until the `start` of the next entry. This means that
// given the mapping, in order to determine the Hook name assigned for
// a given source location, we need to find the adjacent entries that
// most closely contain the given location.
// E.g. for the following code:
//
// |
// | function Component() {
// |   const [state, setState] = useState();
// |   // ^-----^ -> Col 28
// |   useEffect(() => { ... });
// |   // -> call ignored since not declaring a variable
// |   return (...);
// | }
//
// The returned "mapping" would be something like:
// [
//   { name: '<no-hook>', start: { line: 1, column: 0 } },
//   { name: 'state', start: { line: 2, column: 28 } },
//   { name: '<no-hook>', start: { line: 2, column: 38 } },
// ]
//
// Where the Hook name `state` (corresponding to the `state` variable)
// is assigned to the location in the code for the CallExpression
// representing the call to `useState(0)` (line 2, col 28-38).
export function getHookNamesMappingFromAST(
  sourceAST: File,
): $ReadOnlyArray<{
  name: string,
  start: Position
}> {
  const hookStack: Array<{
    name: string,
    start: $FlowFixMe
  }> = [];
  const hookNames = [];
  const pushFrame = (
    name: string,
    node: Node
  ) => {
    const nameInfo = {
      name,
      start: {
        ...node.loc.start
      }
    };
    hookStack.unshift(nameInfo);
    hookNames.push(nameInfo);
  };
  const popFrame = (
    node: Node
  ) => {
    hookStack.shift();
    const top = hookStack[0];
    if (top != null) {
      hookNames.push({
        name: top.name,
        start: {
          ...node.loc.end
        }
      });
    }
  };
  traverse(
    sourceAST,
    {
      [AST_NODE_TYPES.PROGRAM]: {
        enter(path) {
          pushFrame(NO_HOOK_NAME, path.node);
        },
        exit(path) {
          popFrame(path.node);
        },
      },
      [AST_NODE_TYPES.VARIABLE_DECLARATOR]: {
        enter(path) {
          // Check if this variable
          // declaration corresponds to a variable
          // declared by calling a Hook.
          if (
            isConfirmedHookDeclaration(path)
          ) {
            const hookDeclaredVariableName =
              getHookVariableName(path);
            if (!hookDeclaredVariableName) {
              return;
            }
            const callExpressionNode =
              assertCallExpression(path.node.init);
            // Check if this variable declaration corresponds to a call to a
            // built-in Hook that returns a tuple (useState, useReducer,
            // useTransition).
            // If it doesn't, we immediately use the declared variable name
            // as the Hook name. We do this because for any other Hooks
            // that aren't the built-in Hooks that return a tuple, we can't
            // reliably extract a Hook name from other variable declarations
            // derived from this one, since we don't know which of the
            // declared variables are the relevant ones to track and show in
            // dev tools.
            if (
              !isBuiltInHookThatReturnsTuple(path)
            ) {
              pushFrame(
                hookDeclaredVariableName,
                callExpressionNode
              );
              return;
            }
            // Check if the variable declared by the Hook call is
            // referenced anywhere else in the code. If not, we immediately
            // use the declared variable name as the Hook name.
            const referencePaths =
              hookDeclaredVariableName != null
              ? path.scope.bindings[hookDeclaredVariableName].referencePaths
  
```

```

: null;\n      if (referencePaths == null) {\n          pushFrame(hookDeclaredVariableName,
callExpressionNode);\n          return;\n      }\n      // Check each reference to the variable declared by the
Hook call,\n      // and for each, we do the following:\n      let declaredVariableName = null;\n      for (let i =
0; i <= referencePaths.length; i++) {\n          const referencePath = referencePaths[i];\n          if
(declaredVariableName != null) {\n              break;\n          }\n          // 1. Check if the reference is contained
within a VariableDeclarator\n          // Node. This will allow us to determine if the variable declared by\n          //
the Hook call is being used to declare other variables.\n          let variableDeclaratorPath = referencePath;\n          while (\n              variableDeclaratorPath != null &&\n              variableDeclaratorPath.node.type !==\n              AST_NODE_TYPES.VARIABLE_DECLARATOR\n          ) {\n              variableDeclaratorPath =
variableDeclaratorPath.parentPath;\n          }\n          // 2. If we find a VariableDeclarator containing the\n
// referenced variable, we extract the Hook name from the new\n          // variable declaration.\n          // E.g., a
case like the following:\n          // const countState = useState(0);\n          // const count = countState[0];\n          //
const setCount = countState[1]\n          // Where the reference to `countState` is later referenced\n          //
within a VariableDeclarator, so we can extract `count` as\n          // the Hook name.\n          const varDeclInit =
variableDeclaratorPath?.node.init;\n          if (varDeclInit != null) {\n              switch (varDeclInit.type) {\n
case AST_NODE_TYPES.MEMBER_EXPRESSION: {\n                  // When encountering a MemberExpression
inside the new\n                  // variable declaration, we only want to extract the variable\n                  // name if we're
assigning the value of the first member,\n                  // which is handled by
`filterMemberWithHookVariableName`.\n                  // E.g.\n                  // const countState = useState(0);\n
// const count = countState[0]; -> extract the name from this reference\n                  // const setCount =
countState[1]; -> ignore this reference\n                  if (\n                      filterMemberWithHookVariableName(variableDeclaratorPath)\n                  ) {\n                      declaredVariableName
= getHookVariableName(\n                          variableDeclaratorPath,\n                          );\n                      }\n                      break;\n                  }\n                  case AST_NODE_TYPES.IDENTIFIER: {\n                      declaredVariableName =
getHookVariableName(\n                          variableDeclaratorPath,\n                          );\n                      break;\n                  }\n                  default:\n                      break;\n                  }\n                  }\n          }\n          // If we were able to extract a name from
the new variable\n          // declaration, use it as the Hook name. Otherwise, use the\n          // original declared
variable as the variable name.\n          if (declaredVariableName != null) {\n              pushFrame(declaredVariableName, callExpressionNode);\n          } else {\n              pushFrame(hookDeclaredVariableName, callExpressionNode);\n          }\n          },\n          },\n          },\n          exit(path) {\n              if
(isConfirmedHookDeclaration(path)) {\n                  const callExpressionNode = assertCallExpression(path.node.init);\n                  popFrame(callExpressionNode);\n              }\n          },\n          },\n          });\n      return hookNames;\n  }\n\n  // Check if 'path'
contains declaration of the form const X = useState(0);\n  function isConfirmedHookDeclaration(path: NodePath):
boolean {\n      const nodeInit = path.node.init;\n      if (nodeInit == null || nodeInit.type !==
AST_NODE_TYPES.CALL_EXPRESSION) {\n          return false;\n      }\n      const callee = nodeInit.callee;\n      return
isHook(callee);\n  }\n\n  // We consider hooks to be a hook name identifier or a member expression containing a hook
name.\n  function isHook(node: Node): boolean {\n      if (node.type === AST_NODE_TYPES.IDENTIFIER) {\n          return
isHookName(node.name);\n      } else if (\n          node.type === AST_NODE_TYPES.MEMBER_EXPRESSION\n          &&\n          !node.computed &&\n          isHook(node.property)\n      ) {\n          const obj = node.object;\n          const
isPascalCaseNameSpace = /^[A-Z].*/;\n          return (\n              obj.type === AST_NODE_TYPES.IDENTIFIER &&\n              isPascalCaseNameSpace.test(obj.name)\n          );\n      } else {\n          // TODO Possibly handle inline require statements e.g.
require("useState")(...)\n          // This does not seem like a high priority, since inline requires are probably\n          // not
common and are also typically in compiled code rather than source code.\n          return false;\n      }\n  }\n\n  // Catch all
identifiers that begin with `use` followed by an uppercase Latin character to exclude identifiers like `user`.\n  Copied from packages/eslint-plugin-react-hooks/src/RulesOfHooks\n  function isHookName(name: string): boolean
{\n      return /^use[A-Z0-9].*/.test(name);\n  }\n\n  // Check if the AST Node COULD be a React Hook\n  function
isPotentialHookDeclaration(path: NodePath): boolean {\n      // The array potentialHooksFound will contain all
potential hook declaration cases we support\n      const nodePathInit = path.node.init;\n      if (nodePathInit != null) {\n

```



```

if (nodePathInit.type === AST_NODE_TYPES.CALL_EXPRESSION) {\n  // CASE: CallExpression\n  // 1.
const [count, setCount] = useState(0); -> destructured pattern\n  // 2. const [A, setA] = useState(0), const [B, setB]
= useState(0); -> multiple inline declarations\n  // 3. const [\n  //   count,\n  //   setCount\n  // ] =
useState(0); -> multiline hook declaration\n  // 4. const ref = useRef(null); -> generic hooks\n  const callee =
nodePathInit.callee;\n  return isHook(callee);\n } else if (\n  nodePathInit.type ===
AST_NODE_TYPES.MEMBER_EXPRESSION |\n  nodePathInit.type ===
AST_NODE_TYPES.IDENTIFIER\n ) {\n  // CASE: MemberExpression\n  //   const countState =
React.useState(0);\n  //   const count = countState[0];\n  //   const setCount = countState[1]; -> Accessing
members following hook declaration\n\n  // CASE: Identifier\n  //   const countState = React.useState(0);\n
//   const [count, setCount] = countState; -> destructuring syntax following hook declaration\n  return true;\n
}\n }\n return false;\n}\n\n// Check whether 'node' is hook declaration of form useState(0); OR
React.useState(0);\nfunction isReactFunction(node: Node, functionName: string): boolean {\n  return (\n
node.name === functionName |\n  (node.type === 'MemberExpression' &&\n  node.object.name === 'React'
&&\n  node.property.name === functionName)\n );\n}\n\n// Check if 'path' is either State or Reducer
hook\nfunction isBuiltInHookThatReturnsTuple(path: NodePath): boolean {\n  const callee =
path.node.init.callee;\n  return (\n  isReactFunction(callee, 'useState') |\n  isReactFunction(callee, 'useReducer')
|\n  isReactFunction(callee, 'useTransition')\n );\n}\n\n// Check whether hookNode of a declaration contains
obvious variable name\nfunction nodeContainsHookVariableName(hookNode: NodePath): boolean {\n  // We
determine cases where variable names are obvious in declarations. Examples:\n  // const [tick, setTick] =
useState(1); OR const ref = useRef(null);\n  // Here tick/ref are obvious hook variables in the hook declaration node
itself\n  // 1. True for satisfying above cases\n  // 2. False for everything else. Examples:\n  //   const countState =
React.useState(0);\n  //   const count = countState[0];\n  //   const setCount = countState[1]; -> not obvious, hook
variable can't be determined\n  //
from the hook declaration node alone\n  // 3. For custom
hooks we force pass true since we are only concerned with the AST node\n  // regardless of how it is accessed in
source code. (See: getHookVariableName)\n\n  const node = hookNode.node.id;\n  if (\n  node.type ===
AST_NODE_TYPES.ARRAY_PATTERN |\n  (node.type === AST_NODE_TYPES.IDENTIFIER &&\n
!isBuiltInHookThatReturnsTuple(hookNode))\n ) {\n  return true;\n }\n return false;\n}\n\nfunction
assertCallExpression(node: Node): Node {\n  if (node.type !== AST_NODE_TYPES.CALL_EXPRESSION) {\n
throw new Error('Expected a CallExpression node for a Hook declaration.);\n }\n  return node;\n}\n\n"/**\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\nimport ErrorStackParser
from 'error-stack-parser';\nimport testErrorStack, {\n  SOURCE_STACK_FRAME_LINE_NUMBER,\n} from
'./ErrorTesterCompiled';\n\nlet sourceMapsAreAppliedToErrors: boolean | null = null;\n\n// Source maps are
automatically applied to Error stack frames.\n\nexport function areSourceMapsAppliedToErrors(): boolean {\n  if
(sourceMapsAreAppliedToErrors === null) {\n  try {\n  testErrorStack();\n  sourceMapsAreAppliedToErrors
= false;\n  } catch (error) {\n  const parsed = ErrorStackParser.parse(error);\n  const topStackFrame =
parsed[0];\n  const lineNumber = topStackFrame.lineNumber;\n  if (lineNumber ===
SOURCE_STACK_FRAME_LINE_NUMBER) {\n  sourceMapsAreAppliedToErrors = true;\n  }\n }\n }\n\n  return
sourceMapsAreAppliedToErrors === true;\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and
affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n * @flow\n */\n\nimport {__DEBUG__} from 'react-devtools-
shared/src/constants';\n\nimport type {HooksTree} from 'react-debug-tools/src/ReactDebugHooks';\nimport type
{Thenable, Wakeable} from 'shared/ReactTypes';\nimport type {Element} from
'./devtools/views/Components/types';\nimport type {\n  HookNames,\n  HookSourceLocationKey,\n} from 'react-
devtools-shared/src/types';\nimport type {HookSource} from 'react-debug-tools/src/ReactDebugHooks';\nimport
type {FetchFileWithCaching} from 'react-devtools-
shared/src/devtools/views/Components/FetchFileWithCachingContext';\nimport {withCallbackPerfMeasurements}
from './PerformanceLoggingUtils';\nimport {logEvent} from './Logger';\n\nconst TIMEOUT = 30000;\n\nconst

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Pending = 0;\nconst Resolved = 1;\nconst Rejected = 2;\n\nntype PendingRecord = {\n  status: 0,\n  value: Wakeable,\n};\n\nntype ResolvedRecord<T> = {\n  status: 1,\n  value: T,\n};\n\nntype RejectedRecord = {\n  status: 2,\n  value: null,\n};\n\nntype Record<T> = PendingRecord | ResolvedRecord<T> | RejectedRecord;\n\nfunction readRecord<T>(record: Record<T>): ResolvedRecord<T> | RejectedRecord {\n  if (record.status === Resolved) {\n    // This is just a type refinement.\n    return record;\n  } else if (record.status === Rejected) {\n    // This is just a type refinement.\n    return record;\n  } else {\n    throw record.value;\n  }\n}\n\nntype LoadHookNamesFunction = (\n  hookLog: HooksTree,\n  fetchFileWithCaching: FetchFileWithCaching | null,\n) => Thenable<HookNames>;\n\n// This is intentionally a module-level Map, rather than a React-managed one.\n// Otherwise, refreshing the inspected element cache would also clear this cache.\n// TODO Rethink this if the React API constraints change.\n// See https://github.com/reactwg/react-18/discussions/25#discussioncomment-980435\nlet map: WeakMap<Element, Record<HookNames>> = new WeakMap();\n\nexport function hasAlreadyLoadedHookNames(element: Element): boolean {\n  const record = map.get(element);\n  return record != null && record.status === Resolved;\n}\n\nexport function loadHookNames(\n  element: Element,\n  hooksTree: HooksTree,\n  loadHookNamesFunction: LoadHookNamesFunction,\n  fetchFileWithCaching: FetchFileWithCaching | null,\n): HookNames | null {\n  let record = map.get(element);\n  if (__DEBUG__) {\n    console.groupCollapsed('loadHookNames() record:');\n    console.log(record);\n    console.groupEnd();\n  }\n  if (!record) {\n    const callbacks = new Set<() => mixed>();\n    const wakeable: Wakeable = {\n      then(callback: () => mixed) {\n        callbacks.add(callback);\n      },\n    }\n    // Optional property used by Timeline:\n    displayName: `Loading hook names for ${element.displayName || 'Unknown'}`,\n  }; \n  let timeoutID: $FlowFixMe | null;\n  let didTimeout = false;\n  let status = 'unknown';\n  let resolvedHookNames: HookNames | null = null;\n  const wake = () => {\n    if (timeoutID) {\n      clearTimeout(timeoutID);\n      timeoutID = null;\n    }\n    // This assumes they won't throw.\n    callbacks.forEach(callback => callback());\n    callbacks.clear();\n  }; \n  const handleLoadComplete = (durationMs: number): void => {\n    // Log duration for parsing hook names\n    logEvent({\n      event_name: 'load-hook-names',\n      event_status: status,\n      duration_ms: durationMs,\n      inspected_element_display_name: element.displayName,\n      inspected_element_number_of_hooks: resolvedHookNames?.size ?? null,\n    });\n  }; \n  const newRecord: Record<HookNames> = (record = {\n    status: Pending,\n    value: wakeable,\n  });\n  withCallbackPerfMeasurements(\n    'loadHookNames',\n    done => {\n      loadHookNamesFunction(hooksTree, fetchFileWithCaching).then(\n        function onSuccess(hookNames) {\n          if (didTimeout) {\n            return;\n          }\n          if (__DEBUG__) {\n            console.log('[hookNamesCache] onSuccess() hookNames:', hookNames);\n          }\n          if (hookNames) {\n            const resolvedRecord = (\n              (newRecord: any): ResolvedRecord<HookNames>);\n            resolvedRecord.status = Resolved;\n            resolvedRecord.value = hookNames;\n          } else {\n            const notFoundRecord = (\n              (newRecord: any): RejectedRecord);\n            notFoundRecord.status = Rejected;\n            notFoundRecord.value = null;\n            status = 'success';\n            resolvedHookNames = hookNames;\n            done();\n            wake();\n          },\n          function onError(error) {\n            if (didTimeout) {\n              return;\n            }\n            if (__DEBUG__) {\n              console.log('[hookNamesCache] onError()');\n            }\n            console.error(error);\n            const thrownRecord = (\n              (newRecord: any): RejectedRecord);\n            thrownRecord.status = Rejected;\n            thrownRecord.value = null;\n            status = 'error';\n            done();\n            wake();\n          },\n        ),\n        // Eventually timeout and stop trying to load names.\n        timeoutID = setTimeout(function onTimeout() {\n          if (__DEBUG__) {\n            console.log('[hookNamesCache] onTimeout()');\n          }\n          timeoutID = null;\n          didTimeout = true;\n          const timedoutRecord = (\n            (newRecord: any): RejectedRecord);\n          timedoutRecord.status = Rejected;\n          timedoutRecord.value = null;\n          status = 'timeout';\n          done();\n          wake();\n        },\n        TIMEOUT);\n      },\n      handleLoadComplete,\n    );\n    map.set(element, record);\n  }\n  const response = readRecord(record).value;\n  return response;\n}\n\nexport function getHookSourceLocationKey({\n  fileName,\n  lineNumber,\n  columnNumber,\n}: HookSource): HookSourceLocationKey {\n  if (fileName == null || lineNumber == null || columnNumber == null) {\n    throw Error('Hook source code location not found.');

```



```

details on the format of the HookMap, see generateHookMap
*/
export function getHookNameForLocation(
  location: Position,
  hookMap: HookMap,
): string | null {
  const {names, mappings} = hookMap;
  // The HookMap mappings are grouped by lines, so first we look up
  // which line of mappings covers the target location.
  // Note that we expect to find a line since all the locations in
  // the source code are guaranteed to map to a name, including a '<no-hook>'
  // name.
  const foundLine =
    binSearch(location, mappings, compareLinePositions);
  if (foundLine === null) {
    throw new Error(
      `Expected to find a line in the HookMap that covers the target location at line: ${location.line}, column:
      ${location.column}`,
    );
  }
  let foundEntry;
  const foundLineNumber =
    getLineNumberFromLine(foundLine);
  // The line found in the mappings will never be larger than the target
  // line, and vice-versa, so if the target line doesn't match the found
  // line, we immediately know that it must
  // correspond to the last mapping
  // entry for that line.
  if (foundLineNumber !== location.line) {
    foundEntry =
      foundLine[foundLine.length - 1];
  } else {
    foundEntry =
      binSearch(location, foundLine,
        compareColumnPositions);
  }
  if (foundEntry === null) {
    throw new Error(
      `Expected to find a mapping in the HookMap that covers the target location at line: ${location.line}, column: ${location.column}`,
    );
  }
  const foundNameIndex =
    getHookNameIndexFromEntry(foundEntry);
  if (foundNameIndex === null) {
    throw new Error(
      `Expected to find a name index in the HookMap that covers the target location at line:
      ${location.line}, column: ${location.column}`,
    );
  }
  const foundName =
    names[foundNameIndex];
  if (foundName === null) {
    throw new Error(
      `Expected to find a name in the HookMap that covers the target location at line:
      ${location.line}, column: ${location.column}`,
    );
  }
  if (foundName === NO_HOOK_NAME) {
    return null;
  }
  return foundName;
}

function binSearch<T>(
  location: Position,
  items: T[],
  compare: (
    location: Position,
    items: T[],
    index: number,
  ) => {
    index: number | null,
    direction: number,
  },
): T | null {
  let count = items.length;
  let index = 0;
  let firstElementIndex = 0;
  let step;
  while (count > 0) {
    index = firstElementIndex;
    step = Math.floor(count / 2);
    index += step;
    const comparison =
      compare(location, items, index);
    if (comparison.direction === 0) {
      if (comparison.index === null) {
        throw new Error('Expected an index when matching element is found.');
```

```

adjacent entry.\n *\n * If the column doesn't match, returns the search direction for the\n * next step in the binary
search.\n */\nfunction compareColumnPositions(\n  location: Position,\n  line: HookMapLine,\n  index: number,\n):\n  {index: number | null, direction: number} {\n  const startIndex = index;\n  const start = line[index];\n  if (start ===\n  null) {\n    throw new Error(\n      `Unexpected mapping missing in HookMap line at index ${index}.`,\n    );\n  }\n  const startColumn = getColumnNumberFromEntry(start);\n  let endColumn;\n  let endIndex = index + 1;\n  const\n  end = line[endIndex];\n  if (end !== null) {\n    endColumn = getColumnNumberFromEntry(end);\n  } else {\n    endIndex = startIndex;\n    endColumn = startColumn;\n  }\n  // When the column matches exactly, return the\n  matching index\n  if (startColumn === location.column) {\n    return {index: startIndex, direction: 0};\n  }\n  if\n  (endColumn === location.column) {\n    return {index: endIndex, direction: 0};\n  }\n  // If we're at the end of the\n  entries for this line, and the target\n  // column is greater than the current column, then this final entry\n  // must\n  cover the target location, so we return it.\n  if (location.column > endColumn && end === null) {\n    return {index:\n  endIndex, direction: 0};\n  }\n  // If the location is within the current column and the adjacent one,\n  // we know\n  that the target location must be covered by the current entry.\n  if (startColumn < location.column &&\n  location.column < endColumn) {\n    return {index: startIndex, direction: 0};\n  }\n  // Otherwise, return the next\n  direction in the search.\n  return {index: null, direction: location.column - startColumn};\n}\n\nfunction\n  getLineNumberFromLine(line: HookMapLine): number {\n  return\n  getLineNumberFromEntry(line[0]);\n}\n\nfunction getLineNumberFromEntry(entry: HookMapEntry): number {\n\n  const lineNumber = entry[0];\n  if (lineNumber === null) {\n    throw new Error('Unexpected line number missing in\n  entry in HookMap');\n  }\n  return lineNumber;\n}\n\nfunction getColumnNumberFromEntry(entry:\n  HookMapEntry): number {\n  const columnNumber = entry[1];\n  if (columnNumber === null) {\n    throw new\n  Error('Unexpected column number missing in entry in HookMap');\n  }\n  return columnNumber;\n}\n\nfunction\n  getHookNameIndexFromEntry(entry: HookMapEntry): number {\n  const hookNameIndex = entry[2];\n  if\n  (hookNameIndex === null) {\n    throw new Error('Unexpected hook name index missing in entry in HookMap');\n  }\n  return hookNameIndex;\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n */\n * This source code\n  is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n * @flow strict-local\n */\n\nimport type {Position} from './astUtils';\nimport type {\n  ReactSourceMetadata,\n  IndexSourceMap,\n  BasicSourceMap,\n  MixedSourceMap,\n} from './SourceMapTypes';\nimport type\n  {HookMap} from './generateHookMap';\nimport * as util from 'source-map-js/lib/util';\nimport {decodeHookMap}\n  from './generateHookMap';\nimport {getHookNameForLocation} from './getHookNameForLocation';\n\nexport\n  type MetadataMap = Map<string, ?ReactSourceMetadata>;\n\nconst HOOK_MAP_INDEX_IN_REACT_METADATA =\n  0;\nconst REACT_METADATA_INDEX_IN_FB_METADATA = 1;\nconst\n  REACT_SOURCES_EXTENSION_KEY = 'x_react_sources';\nconst FB_SOURCES_EXTENSION_KEY =\n  'x_facebook_sources';\n\n/**\n * Extracted from the logic in source-map-js@0.6.2's SourceMapConsumer.\n * By\n * default, source names are normalized using the same logic that the `source-map-js@0.6.2` package uses internally.\n * This is crucial for keeping the sources list in sync with a `SourceMapConsumer` instance.\n */\n\nfunction\n  normalizeSourcePath(\n    sourceInput: string,\n    map: {+sourceRoot?: ?string, ...},\n  ): string {\n    const {sourceRoot}\n  = map;\n    let source = sourceInput;\n\n    source = String(source);\n    // Some source maps produce relative source\n    paths like `./foo.js` instead of\n // `foo.js`. Normalize these first so that future comparisons will succeed.\n //\n  See bugzil.la/1090768.\n    source = util.normalize(source);\n    // Always ensure that absolute sources are internally\n    stored relative to\n // the source root, if the source root is absolute. Not doing this would\n // be particularly\n  problematic when the source root is a prefix of the\n // source (valid, but why??). See github issue #199 and\n  bugzil.la/1188982.\n    source =\n    sourceRoot !== null && util.isAbsolute(sourceRoot) && util.isAbsolute(source)\n    ? util.relative(sourceRoot, source)\n    : source;\n    return util.computeSourceURL(sourceRoot,\n  source);\n  }\n\n/**\n * Consumes the `x_react_sources` or `x_facebook_sources` metadata field from a\n * source\n  map and exposes ways to query the React DevTools specific metadata\n * included in those fields.\n */\n\nexport class\n  SourceMapMetadataConsumer {\n    _sourceMap: MixedSourceMap;\n    _decodedHookMapCache: Map<string,\n  HookMap>;\n    _metadataBySource: ?MetadataMap;\n\n    constructor(sourceMap: MixedSourceMap) {\n      this._sourceMap = sourceMap;\n      this._decodedHookMapCache = new Map();\n      this._metadataBySource =

```



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Missing types in @babel/types\nexport type File = any;\n\nexport type HookMap = {\n  names:
$ReadOnlyArray<string>,\n  mappings: HookMapMappings,\n};\n\nexport type EncodedHookMap = {\n  names:
$ReadOnlyArray<string>,\n  mappings: string,\n};\n\n// See generateHookMap below for more details on
formatting\nexport type HookMapEntry = [\n  number, // 1-indexed line number\n  number, // 0-indexed column
number\n  number, // 0-indexed index into names array\n  number, // TODO: filler number to support reusing
encoding from `sourcemap-codec` (see TODO below)\n];\n\nexport type HookMapLine = HookMapEntry[];\n\nexport
type HookMapMappings = HookMapLine[];\n\n/**\n * Given a parsed source code AST, returns a `Hook Map`,
which is a\n * mapping which maps locations in the source code to their\n * corresponding Hook name, if
there is a relevant Hook name for that\n * location (see getHookNamesMappingFromAST for details on the\n *
representation of the mapping).\n * The format of the Hook Map follows a similar format as the `name`\n * and
`mappings` fields in the Source Map spec, where `names` is an\n * array of strings, and `mappings` contains
segments\n * lines, columns,\n * and indices into the `names` array.\n * E.g.: {\n *   names: [\"<no-hook>\",
\"state\"],\n *   mappings: [\n *     [ -> line 1\n *       [1, 0, 0], -> line, col, name index\n *     ],\n *     [ -> line
2\n *       [2, 5, 1], -> line, col, name index\n *     [2, 15, 0], -> line, col, name index\n *     ],\n *   ]\n * }\n
*\n */\nexport function generateHookMap(sourceAST: File): HookMap {\n  const hookNamesMapping =
getHookNamesMappingFromAST(sourceAST);\n  const namesMap: Map<string, number> = new Map();\n  const
names = [];\n  const mappings: Array<HookMapLine> = [];\n  let currentLine: $FlowFixMe | null = null;\n  hookNamesMapping.forEach(({name, start}) => {\n    let nameIndex = namesMap.get(name);\n    if (nameIndex ==
null) {\n      names.push(name);\n      nameIndex = names.length - 1;\n      namesMap.set(name, nameIndex);\n    }\n\n    // TODO: We add a -1 at the end of the entry so we can later\n    // encode/decode the mappings by reusing
the encode/decode functions\n    // from the `sourcemap-codec` library. This library expects segments\n    // of
specific sizes (i.e. of size 4) in order to encode them correctly.\n    // In the future, when we implement our own
encoding, we will not\n    // need this restriction and can remove the -1 at the end.\n    const entry = [start.line,
start.column, nameIndex, -1];\n\n    if (currentLine !== start.line) {\n      currentLine = start.line;\n      mappings.push([entry]);\n    } else {\n      const current = mappings[mappings.length - 1];\n      current.push(entry);\n    }\n  });\n\n  return {names, mappings};\n}\n\n/**\n * Returns encoded version of a Hook
Map that is returned\n * by generateHookMap.\n * **NOTE**\n * TODO: To encode the `mappings` in the
Hook Map, we\n * reuse the encode function from the `sourcemap-codec`\n * library, which means that we are
restricted to only\n * encoding segments of specific sizes.\n * Inside generateHookMap we make sure to build
segments\n * of size 4.\n * In the future, when we implement our own encoding, we will not\n * need this restriction
and can remove the -1 at the end.\n */\nexport function generateEncodedHookMap(sourceAST: File):
EncodedHookMap {\n  const hookMap = generateHookMap(sourceAST);\n  const encoded =
encode(hookMap.mappings);\n  return {\n    names: hookMap.names,\n    mappings: encoded,\n  };}\n\nexport
function decodeHookMap(encodedHookMap: EncodedHookMap): HookMap {\n  return {\n    names:
encodedHookMap.names,\n    mappings: decode(encodedHookMap.mappings),\n  };}\n\n", /**\n * Copyright (c)
Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n */\n * @flow\n */\nimport {withSyncPerfMeasurements}
from 'react-devtools-shared/src/PerformanceLoggingUtils';\nimport {decode} from 'sourcemap-codec';\nimport
type {\n  IndexSourceMap,\n  IndexSourceMapSection,\n  BasicSourceMap,\n  MixedSourceMap,\n} from
'./SourceMapTypes';\n\nexport type SearchPosition = {\n  columnNumber: number,\n  lineNumber: number,\n};\n\nexport
type ResultPosition = {\n  column: number,\n  line: number,\n  sourceContent: string,\n  sourceURL:
string,\n};\n\nexport type SourceMapConsumerType = {\n  originalPositionFor: SearchPosition =>
ResultPosition,\n};\n\nexport type Mappings = Array<Array<Array<number>>>;\n\nexport default function
SourceMapConsumer(\n  sourceMapJSON: MixedSourceMap | IndexSourceMapSection,\n):
SourceMapConsumerType {\n  if (sourceMapJSON.sections != null) {\n    return
IndexedSourceMapConsumer(((sourceMapJSON: any): IndexSourceMap));\n  } else {\n    return
BasicSourceMapConsumer(((sourceMapJSON: any): BasicSourceMap));\n  }\n}\n\nfunction
BasicSourceMapConsumer(sourceMapJSON: BasicSourceMap) {\n  const decodedMappings: Mappings =

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withSyncPerfMeasurements(\n  'Decoding source map mappings with sourcemap-codec',\n  () =>
decode(sourceMapJSON.mappings),\n );\n\n function originalPositionFor({\n  columnNumber,\n  lineNumber,\n  }: SearchPosition): ResultPosition {\n  // Error.prototype.stack columns are 1-based (like most IDEs) but ASTs are
0-based.\n  const targetColumnNumber = columnNumber - 1;\n\n  const lineMappings =
decodedMappings[lineNumber - 1];\n\n  let nearestEntry = null;\n\n  let startIndex = 0;\n  let stopIndex =
lineMappings.length - 1;\n  let index = -1;\n  while (startIndex <= stopIndex) {\n    index =
Math.floor((stopIndex + startIndex) / 2);\n    nearestEntry = lineMappings[index];\n\n    const currentColumn =
nearestEntry[0];\n    if (currentColumn === targetColumnNumber) {\n      break;\n    } else {\n      if
(currentColumn > targetColumnNumber) {\n        if (stopIndex - index > 0) {\n          stopIndex = index;\n        }
else {\n          index = stopIndex;\n          break;\n        }\n      } else {\n        if (index - startIndex > 0) {\n
startIndex = index;\n        } else {\n          index = startIndex;\n          break;\n        }\n      }\n    }\n  }\n\n  // We have found either the exact element, or the next-closest element.\n  // However there may be more than one
such element.\n  // Make sure we always return the smallest of these.\n  while (index > 0) {\n    const
previousEntry = lineMappings[index - 1];\n    const currentColumn = previousEntry[0];\n    if (currentColumn
!== targetColumnNumber) {\n      break;\n    }\n    index--;\n  }\n\n  if (nearestEntry === null) {\n    // TODO
maybe fall back to the runtime source instead of throwing?\n    throw Error(\n      `Could not find runtime location
for line:${lineNumber} and column:${columnNumber}`,
\n    );\n  }\n\n  const sourceIndex = nearestEntry[1];\n  const sourceContent =\n    sourceMapJSON.sourcesContent != null\n      ?
sourceMapJSON.sourcesContent[sourceIndex]\n      : null;\n  const sourceURL =
sourceMapJSON.sources[sourceIndex] ?? null;\n  const line = nearestEntry[2] + 1;\n  const column =
nearestEntry[3];\n\n  if (sourceContent === null || sourceURL === null) {\n    // TODO maybe fall back to the
runtime source instead of throwing?\n    throw Error(\n      `Could not find original source for line:${lineNumber}
and column:${columnNumber}`,
\n    );\n  }\n\n  return {\n    column,\n    line,\n    sourceContent:
((sourceContent: any): string),\n    sourceURL: ((sourceURL: any): string),\n  };\n\n  return (({\n
originalPositionFor,\n  }: any): SourceMapConsumerType);\n\n\n  type Section = {\n    +generatedColumn:
number,\n    +generatedLine: number,\n    +map: MixedSourceMap,\n  }\n  // Lazily parsed only when/as the section is
needed.\n  sourceMapConsumer: SourceMapConsumerType | null,\n  };\n\n  function
IndexedSourceMapConsumer(sourceMapJSON: IndexSourceMap) {\n    let lastOffset = {\n      line: -1,\n      column:
0,\n    };\n\n    const sections: Array<Section> = sourceMapJSON.sections.map(section => {\n      const offset =
section.offset;\n      const offsetLine = offset.line;\n      const offsetColumn = offset.column;\n\n      if (\n        offsetLine <
lastOffset.line ||\n        (offsetLine === lastOffset.line && offsetColumn < lastOffset.column)\n      ) {\n        throw new
Error('Section offsets must be ordered and non-overlapping.);\n      }\n\n      lastOffset = offset;\n\n      return {\n        //
The offset fields are 0-based, but we use 1-based indices when encoding/decoding from VLQ.\n        generatedLine:
offsetLine + 1,\n        generatedColumn: offsetColumn + 1,\n        map: section.map,\n        sourceMapConsumer: null,\n      };\n    });\n\n    function originalPositionFor({\n      columnNumber,\n      lineNumber,\n    }: SearchPosition):
ResultPosition {\n      // Error.prototype.stack columns are 1-based (like most IDEs) but ASTs are 0-based.\n      const
targetColumnNumber = columnNumber - 1;\n\n      let section = null;\n\n      let startIndex = 0;\n      let stopIndex =
sections.length - 1;\n      let index = -1;\n      while (startIndex <= stopIndex) {\n        index = Math.floor((stopIndex +
startIndex) / 2);\n        section = sections[index];\n\n        const currentLine = section.generatedLine;\n        if
(currentLine === lineNumber) {\n          const currentColumn = section.generatedColumn;\n          if (currentColumn
=== lineNumber) {\n            break;\n          } else {\n            if (currentColumn > targetColumnNumber) {\n              if
(stopIndex - index > 0) {\n                stopIndex = index;\n              } else {\n                index = stopIndex;\n
break;\n              }\n            } else {\n              if (index - startIndex > 0) {\n                startIndex = index;\n              }
else {\n                index = startIndex;\n                break;\n              }\n            }\n          }\n        } else {\n          if (currentLine >
lineNumber) {\n            if (stopIndex - index > 0) {\n              stopIndex = index;\n            } else {\n              index =
stopIndex;\n              break;\n            }\n          } else {\n            if (index - startIndex > 0) {\n              startIndex = index;\n            }
else {\n              index = startIndex;\n              break;\n            }\n          }\n        }\n      }\n\n      if (section === null) {\n        // TODO maybe fall back to the runtime source instead of throwing?\n        throw Error(\n          `Could not find

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matching section for line:${lineNumber} and column:${columnNumber}`,\n  );\n  }\n\n  if
(section.sourceMapConsumer === null) {\n    // Lazily parse the section only when it's needed.\n    //
$FlowFixMe[invalid-constructor] Flow no longer supports calling new on functions\n
section.sourceMapConsumer = new SourceMapConsumer(section.map);\n  }\n\n  return
section.sourceMapConsumer.originalPositionFor({\n    columnNumber,\n    lineNumber,\n  });\n}\n\nreturn
(({\n  originalPositionFor,\n  }: any): SourceMapConsumerType);\n}\n\n"/**\n * Copyright (c) Meta Platforms,
Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the
root directory of this source tree.\n * @flow\n */\n\n// For an overview of why the code in this file is structured
this way,\n// refer to header comments in loadSourceAndMetadata.\n\nimport {parse} from '@babel/parser';\nimport
LRU from 'lru-cache';\nimport {getHookName} from './astUtils';\nimport {areSourceMapsAppliedToErrors} from
'./ErrorTester';\nimport {__DEBUG__} from 'react-devtools-shared/src/constants';\nimport
{getHookSourceLocationKey} from 'react-devtools-shared/src/hookNamesCache';\nimport
{SourceMapMetadataConsumer} from './SourceMapMetadataConsumer';\nimport {\n  withAsyncPerfMeasurements,\n  withSyncPerfMeasurements,\n} from 'react-devtools-
shared/src/PerformanceLoggingUtils';\nimport SourceMapConsumer from './SourceMapConsumer';\nimport type
{SourceMapConsumerType} from './SourceMapConsumer';\nimport type {\n  HooksList,\n  LocationKeyToHookSourceAndMetadata,\n} from './loadSourceAndMetadata';\nimport type {HookSource} from
'react-debug-tools/src/ReactDebugHooks';\nimport type {HookNames, LRUCache} from 'react-devtools-
shared/src/types';\n\ntype AST = mixed;\ntype HookParsedMetadata = {\n  // API for consuming metadata
present in extended source map.\n  metadataConsumer: SourceMapMetadataConsumer | null,\n  // AST for
original source code; typically comes from a consumed source map.\n  originalSourceAST: AST | null,\n  //
Source code (React components or custom hooks) containing primitive hook calls.\n  // If no source map has been
provided, this code will be the same as runtimeSourceCode.\n  originalSourceCode: string | null,\n  // Original
source URL if there is a source map, or the same as runtimeSourceURL.\n  originalSourceURL: string | null,\n  //
Line number in original source code.\n  originalSourceLineNumber: number | null,\n  // Column number in
original source code.\n  originalSourceColumnNumber: number | null,\n  // Alternate APIs from source-map for
parsing source maps (if detected).\n  sourceMapConsumer: SourceMapConsumerType | null,\n};\n\ntype
LocationKeyToHookParsedMetadata = Map<string, HookParsedMetadata>;\n\ntype CachedRuntimeCodeMetadata
= {\n  metadataConsumer: SourceMapMetadataConsumer | null,\n  sourceMapConsumer:
SourceMapConsumerType | null,\n};\n\nconst runtimeURLToMetadataCache: LRUCache<string,
CachedRuntimeCodeMetadata> =\n  new LRU({max: 50});\n\ntype CachedSourceCodeMetadata = {\n
  originalSourceAST: AST,\n  originalSourceCode: string,\n};\n\nconst originalURLToMetadataCache:
LRUCache<string, CachedSourceCodeMetadata> =\n  new LRU({\n    max: 50,\n    dispose: (\n
  originalSourceURL: string,\n  metadata: CachedSourceCodeMetadata,\n  ) => {\n    if (__DEBUG__) {\n
  console.log(\n    `originalURLToMetadataCache.dispose() Evicting cached metadata for
\n    ` +\n    `originalSourceURL: ${originalSourceURL}`,\n    );\n  }\n  });\n}\n\nexport async function parseSourceAndMetadata(\n
hooksList: HooksList,\n locationKeyToHookSourceAndMetadata: LocationKeyToHookSourceAndMetadata,\n):
Promise<HookNames | null> {\n  return withAsyncPerfMeasurements('parseSourceAndMetadata', async () => {\n
  const locationKeyToHookParsedMetadata = withSyncPerfMeasurements(\n    'initializeHookParsedMetadata',\n
  () => initializeHookParsedMetadata(locationKeyToHookSourceAndMetadata,\n  ),\n  );\n\n  withSyncPerfMeasurements('parseSourceMaps', () =>\n    parseSourceMaps(\n
  locationKeyToHookSourceAndMetadata,\n    locationKeyToHookParsedMetadata,\n  ),\n  );\n\n  withSyncPerfMeasurements('parseSourceAST', () =>\n    parseSourceAST(\n
  locationKeyToHookSourceAndMetadata,\n    locationKeyToHookParsedMetadata,\n  ),\n  );\n\n  return
withSyncPerfMeasurements('findHookNames', () =>\n    findHookNames(hooksList,\n
  locationKeyToHookParsedMetadata,\n  );\n  });\n}\n\nfunction findHookNames(\n  hooksList: HooksList,\n
  locationKeyToHookParsedMetadata: LocationKeyToHookParsedMetadata,\n): HookNames {\n  const map:
HookNames = new Map();\n\n  hooksList.map(hook => {\n    // We already guard against a null HookSource in

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parseHookNames()\n  const hookSource = ((hook.hookSource: any): HookSource);\n  const fileName =\n  hookSource.fileName;\n  if (!fileName) {\n    return null; // Should not be reachable.\n  }\n  const\n  locationKey = getHookSourceLocationKey(hookSource);\n  const hookParsedMetadata =\n  locationKeyToHookParsedMetadata.get(locationKey);\n  if (!hookParsedMetadata) {\n    return null; // Should\n    not be reachable.\n  }\n  const {lineNumber, columnNumber} = hookSource;\n  if (!lineNumber ||\n  !columnNumber) {\n    return null; // Should not be reachable.\n  }\n  const {\n    originalSourceURL,\n    originalSourceColumnNumber,\n    originalSourceLineNumber,\n  } = hookParsedMetadata;\n  if (\n    originalSourceLineNumber == null ||\n    originalSourceColumnNumber == null ||\n    originalSourceURL ==\n    null\n  ) {\n    return null; // Should not be reachable.\n  }\n  let name;\n  const {metadataConsumer} =\n  hookParsedMetadata;\n  if (metadataConsumer != null) {\n    name =\n    withSyncPerfMeasurements('metadataConsumer.hookNameFor()', () =>\n    metadataConsumer.hookNameFor({\n      line: originalSourceLineNumber,\n      column:\n      originalSourceColumnNumber,\n      source: originalSourceURL,\n    }));\n  }\n  if (name == null)\n  {\n    name = withSyncPerfMeasurements('getHookName()', () =>\n    getHookName(\n      hook,\n      hookParsedMetadata.originalSourceAST,\n      ((hookParsedMetadata.originalSourceCode: any): string),\n      ((originalSourceLineNumber: any): number),\n      originalSourceColumnNumber,\n    ));\n  }\n  if\n  (__DEBUG__) {\n    console.log(`findHookNames() Found name \"${name || '-}'`);\n  }\n  const key =\n  getHookSourceLocationKey(hookSource);\n  map.set(key, name);\n  });\n  return map;\n}\n\nfunction\n  initializeHookParsedMetadata(\n  locationKeyToHookSourceAndMetadata:\n  LocationKeyToHookSourceAndMetadata,\n  ) {\n  // Create map of unique source locations (file names plus line and\n  column numbers) to metadata about hooks.\n  const locationKeyToHookParsedMetadata:\n  LocationKeyToHookParsedMetadata =\n  new Map();\n  locationKeyToHookSourceAndMetadata.forEach(\n  (hookSourceAndMetadata, locationKey) => {\n    const hookParsedMetadata: HookParsedMetadata = {\n      metadataConsumer: null,\n      originalSourceAST: null,\n      originalSourceCode: null,\n      originalSourceURL: null,\n      originalSourceLineNumber: null,\n      originalSourceColumnNumber: null,\n      sourceMapConsumer: null,\n    };\n    locationKeyToHookParsedMetadata.set(locationKey,\n    hookParsedMetadata);\n  });\n  return locationKeyToHookParsedMetadata;\n}\n\nfunction\n  parseSourceAST(\n  locationKeyToHookSourceAndMetadata: LocationKeyToHookSourceAndMetadata,\n  locationKeyToHookParsedMetadata: LocationKeyToHookParsedMetadata,\n  ): void {\n  locationKeyToHookSourceAndMetadata.forEach(\n  (hookSourceAndMetadata, locationKey) => {\n    const\n    hookParsedMetadata =\n    locationKeyToHookParsedMetadata.get(locationKey);\n    if (hookParsedMetadata\n    == null) {\n      throw Error(`Expected to find HookParsedMetadata for \"${locationKey}\"`);\n    }\n    if\n    (hookParsedMetadata.originalSourceAST !== null) {\n      // Use cached metadata.\n      return;\n    }\n    if\n    (\n      hookParsedMetadata.originalSourceURL != null &&\n      hookParsedMetadata.originalSourceCode != null\n      &&\n      hookParsedMetadata.originalSourceColumnNumber != null &&\n      hookParsedMetadata.originalSourceLineNumber != null\n    ) {\n      // Use cached metadata.\n      return;\n    }\n    const {lineNumber, columnNumber} = hookSourceAndMetadata.hookSource;\n    if (lineNumber == null\n    || columnNumber == null) {\n      throw Error('Hook source code location not found.);\n    }\n    const\n    {metadataConsumer, sourceMapConsumer} = hookParsedMetadata;\n    const runtimeSourceCode =\n    ((hookSourceAndMetadata.runtimeSourceCode: any): string);\n    let hasHookMap = false;\n    let\n    originalSourceURL;\n    let originalSourceCode;\n    let originalSourceColumnNumber;\n    let\n    originalSourceLineNumber;\n    if (areSourceMapsAppliedToErrors() || sourceMapConsumer === null) {\n      //\n      Either the current environment automatically applies source maps to errors,\n      // or the current code had no\n      source map to begin with.\n      // Either way, we don't need to convert the Error stack frame locations.\n      originalSourceColumnNumber = columnNumber;\n      originalSourceLineNumber = lineNumber;\n      // There's\n      no source map to parse here so we can just parse the original source itself.\n      originalSourceCode =\n      runtimeSourceCode;\n      // TODO (named hooks) This mixes runtimeSourceURLs with source mapped URLs in\n      the same cache key space.\n      // Namespace them?\n      originalSourceURL =

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hookSourceAndMetadata.runtimeSourceURL;\n    } else {\n      const {column, line, sourceContent, sourceURL}
=\n      sourceMapConsumer.originalPositionFor({\n        columnNumber,\n        lineNumber,\n      });\n      originalSourceColumnNumber = column;\n      originalSourceLineNumber = line;\n      originalSourceCode =
sourceContent;\n      originalSourceURL = sourceURL;\n    }\n\n    hookParsedMetadata.originalSourceCode =
originalSourceCode;\n    hookParsedMetadata.originalSourceURL = originalSourceURL;\n
hookParsedMetadata.originalSourceLineNumber = originalSourceLineNumber;\n
hookParsedMetadata.originalSourceColumnNumber =\n    originalSourceColumnNumber;\n\n    if (\n
metadataConsumer != null &&\n      metadataConsumer.hasHookMap(originalSourceURL)\n    ) {\n
hasHookMap = true;\n    }\n\n    if (__DEBUG__) {\n      console.log(\n        `parseSourceAST() mapped line
${lineNumber}->${originalSourceLineNumber} and column ${columnNumber}-
>${originalSourceColumnNumber}`,\n        );\n    }\n\n    if (hasHookMap) {\n      if (__DEBUG__) {\n
console.log(\n        `parseSourceAST() Found hookMap and skipping parsing for "${originalSourceURL}"`,\n
        );\n      }\n      // If there's a hook map present from an extended sourcemap then\n      // we don't need to parse
the source files and instead can use the\n      // hook map to extract hook names.\n      return;\n    }\n\n    if
(__DEBUG__) {\n      console.log(\n        `parseSourceAST() Did not find hook map for
"${originalSourceURL}"`,\n        );\n    }\n\n    // The cache also serves to deduplicate parsing by URL in our
loop over location keys.\n    // This may need to change if we switch to async parsing.\n    const sourceMetadata =
originalURLToMetadataCache.get(originalSourceURL);\n    if (sourceMetadata != null) {\n      if (__DEBUG__)
{\n        console.groupCollapsed(\n          `parseSourceAST() Found cached source metadata for
"${originalSourceURL}"`,\n          );\n        console.log(sourceMetadata);\n        console.groupEnd();\n      }\n
      hookParsedMetadata.originalSourceAST = sourceMetadata.originalSourceAST;\n
hookParsedMetadata.originalSourceCode =\n        sourceMetadata.originalSourceCode;\n    } else {\n      try {\n
// TypeScript is the most commonly used typed JS variant so let's default to it\n      // unless we detect explicit
Flow usage via the '@flow' pragma.\n      const plugin =\n        originalSourceCode.indexOf('@flow') > 0 ?
'flow' : 'typescript';\n\n      // TODO (named hooks) This is probably where we should check max source length,\n
      // rather than in loadSourceAndMetadata -> loadSourceFiles().\n      // TODO(#22319): Support source files
that are html files with inline script tags.\n      const originalSourceAST = withSyncPerfMeasurements(\n
['@babel/parser'] parse(originalSourceCode),\n        () =>\n          parse(originalSourceCode, {\n
sourceType: 'unambiguous',\n          plugins: ['jsx', plugin],\n        })),\n        );\n
hookParsedMetadata.originalSourceAST = originalSourceAST;\n\n      if (__DEBUG__) {\n        console.log(\n
          `parseSourceAST() Caching source metadata for "${originalSourceURL}"`,\n          );\n      }\n\n
originalURLToMetadataCache.set(originalSourceURL, {\n        originalSourceAST,\n
originalSourceCode,\n      });\n    } catch (error) {\n      throw new Error(\n        `Failed to parse source file:
${originalSourceURL}`\n      );\n      // Original error: {error}\n    }\n  }\n}\n\nfunction parseSourceMaps(\n
locationKeyToHookSourceAndMetadata:\nLocationKeyToHookSourceAndMetadata,\n locationKeyToHookParsedMetadata:\nLocationKeyToHookParsedMetadata,\n) {\n
locationKeyToHookSourceAndMetadata.forEach(\n
(hookSourceAndMetadata, locationKey) => {\n      const hookParsedMetadata =\n
locationKeyToHookParsedMetadata.get(locationKey);\n      if (hookParsedMetadata == null) {\n        throw
Error(`Expected to find HookParsedMetadata for "${locationKey}"`);\n      }\n\n      const {runtimeSourceURL,
sourceMapJSON} = hookSourceAndMetadata;\n\n      // If we've already loaded the source map info for this file,\n
      // we can skip reloading it (and more importantly, re-parsing it).\n      const runtimeMetadata =
runtimeURLToMetadataCache.get(runtimeSourceURL);\n      if (runtimeMetadata != null) {\n        if
(__DEBUG__) {\n          console.groupCollapsed(\n            `parseHookNames() Found cached runtime metadata for
file "${runtimeSourceURL}"`,\n            );\n          console.log(runtimeMetadata);\n          console.groupEnd();\n
        }\n        hookParsedMetadata.metadataConsumer = runtimeMetadata.metadataConsumer;\n
hookParsedMetadata.sourceMapConsumer =\n        runtimeMetadata.sourceMapConsumer;\n      } else {\n        if
(sourceMapJSON != null) {\n          const sourceMapConsumer = withSyncPerfMeasurements(\n            'new

```


s", "x", "Math", "floor", "cb", "last", "result", "it", "f", "init", "accum", "width", "Array", "max", "join", "percent", "formattedPercent", "toFixed", "abs", "lo", "hi", "target", "targetRangeSize", "console", "assert", "isNaN", "mid", "args", "base64lookupTable", "alphabet", "ret", "charAt", "encoded", "lookupTable", "quartetCount", "byteCount", "bytes", "Uint8Array", "offset", "enc1", "enc2", "enc3", "enc4", "s sextet1", "s sextet2", "s sextet3", "s sextet4", "substring", "__createBinding", "k2", "undefined", "__exportStar", "require", "ByteFormatter", "TimeFormatter", "RawValueFormatter", "utils_1", "unit", "format", "v", "toLocaleString", "multiplier", "formatUnsigned", "minutes", "seconds", "toString", "root", "factory", "define", "StackFrame", "FIREFOX_SAFARI_STACK_REGEXP", "CHROME_IE_STACK_REGEXP", "SAFARI_NATIVE_CODE_REGEXP", "parse", "error", "stacktrace", "parseOpera", "stack", "match", "parseV8OrIE", "parseFFOrSafari", "extractLocation", "urlLike", "indexOf", "parts", "exec", "replace", "split", "filter", "line", "sanitizedLine", "location", "tokens", "slice", "locationParts", "pop", "functionName", "fileName", "lineNumber", "columnNumber", "source", "functionNameRegex", "matches", "e", "message", "parseOpera9", "parseOpera11", "parseOpera10", "lineRE", "lines", "len", "push", "argsRaw", "functionCall", "shift", "nullthrows", "framesToPop", "default", "runtime", "Op", "hasOwn", "\$Symbol", "iteratorSymbol", "asyncIteratorSymbol", "asyncIterator", "toStringTagSymbol", "obj", "configurable", "writable", "err", "wrap", "innerFn", "outerFn", "self", "tryLocsList", "protoGenerator", "Generator", "generator", "context", "Context", "_invoke", "state", "method", "arg", "doneResult", "delegate", "delegateResult", "maybeInvokeDelegate", "ContinueSentinel", "sent", "_sent", "dispatchException", "abrupt", "record", "tryCatch", "type", "done", "makeInvokeMethod", "GeneratorFunction", "GeneratorFunctionPrototype", "IteratorPrototype", "getProto", "getPrototypeOf", "NativeIteratorPrototype", "Gp", "defineIteratorMethods", "AsyncIterator", "PromiseImpl", "previousPromise", "callInvokeWithMethodAndArg", "resolve", "reject", "invoke", "__await", "then", "unwrapped", "TypeError", "info", "resultName", "next", "nextLoc", "pushTryEntry", "locs", "entry", "tryLoc", "catchLoc", "finallyLoc", "afterLoc", "tryEntries", "resetTryEntry", "completion", "reset", "iterable", "iteratorMethod", "displayName", "isGeneratorFunction", "genFun", "ctor", "mark", "setPrototypeOf", "__proto__", "awrap", "async", "Promise", "iter", "keys", "reverse", "skipTempReset", "prev", "stop", "rootRecord", "rval", "exception", "handle", "loc", "caught", "hasCatch", "hasFinally", "finallyEntry", "complete", "finish", "thrown", "delegateYield", "regeneratorRuntime", "accidentalStrictMode", "Function", "importFromOldV8CpuProfile", "importFromChromeCpuProfile", "importFromChromeTimeline", "isChromeTimeline", "profile_1", "value_formatters_1", "v8cpuFormatter_1", "rawProfile", "isArray", "first", "find", "events", "cpuProfileById", "pidTidById", "threadNameByPidTid", "event", "pidTid", "pid", "tid", "id", "data", "cpuProfile", "assign", "startTime", "endTime", "nodes", "samples", "timeDeltas", "chunk", "concat", "warn", "size", "profiles", "indexToView", "profileId", "threadName", "profile", "setName", "callFrameToFrameInfo", "frameInfoForCallFrame", "callFrame", "file", "url", "col", "shouldIgnoreFunction", "shouldPlaceOnTopOfPreviousStack", "chromeProfile", "CallTreeProfileBuilder", "nodeById", "node", "parent", "children", "childId", "child", "sampleTimes", "elapsed", "lastValidElapsed", "lastNodeId", "NaN", "nodeId", "prevStack", "stackTop", "lca", "frame", "leaveFrame", "toOpen", "enterFrame", "setValueFormatter", "build", "content", "chromeTreeToNodes", "__setModuleDefault", "__importStar", "mod", "__awaiter", "thisArg", "_arguments", "P", "fulfilled", "step", "rejected", "apply", "StackListProfileBuilder", "Profile", "CallTreeNode", "Frame", "HasWeights", "demangleCppModule", "selfWeight", "totalWeight", "getSelfWeight", "getTotalWeight", "addToTotalWeight", "delta", "addToSelfWeight", "overwriteWeightWith", "other", "super", "frozen", "isRoot", "isFrozen", "freeze", "frames", "appendOrderCalltreeRoot", "groupedCalltreeRoot", "weights", "valueFormatter", "totalNonIdleWeight", "getAppendOrderCalltreeRoot", "getGroupedCalltreeRoot", "formatValue", "getWeightUnit", "getName", "getTotalNonIdleWeight", "reduce", "sortGroupedCallTree", "visit", "forEachCallGrouped", "openFrame", "closeFrame", "start", "childTime", "forEachCall", "sampleIndex", "forEachFrame", "getProfileWithRecursionFlattened", "builder", "framesInStack", "Set", "add", "delete", "flattenedProfile", "getInvertedProfileForCallersOf", "focalFrameInfo", "focalFrame", "appendSampleWithWeight", "getProfileForCalleesOf", "findCalls", "focalFrameNode", "recordSubtree", "demangle", "demangleCpp", "startsWith", "remapNames", "callback", "arguments", "pendingSample", "_appendSample", "weight", "useAppendOrder", "frameInfo", "appendSampleWithTimestamp", "timestamp", "centralTimestamp", "endTimeStamp", "startTimeStamp", "appendOrderStack", "groupedOrderStack", "lastValue", "addWeightsToFrames", "addWeightsToNodes", "_enterFrame", "prevTop", "frameCount", "_leaveFrame", "leavingStackTop", "cppfilt", "cache", "code", "treeToArray", "scriptId", "hitCount", "head", "timestamps", "index", "Flamechart", "math_1", "layers", "minFrameWidth", "Infinity", "end", "layerIndex", "min", "isFinite", "getLayers", "getColorBucketForFrame", "getMinFrameWidth", "getClampedViewportWidth", "viewportWidth", "maxWidth", "maxZoom", "pow", "minWidth", "clamp", "getClampe

dConfigSpaceViewportRect", "configSpaceViewportRect", "renderInverted", "configSpaceSize", "Vec2", "withX", "origin", "zero", "minus", "plus", "Rect", "minVal", "maxVal", "AffineTransform", "y", "withY", "times", "scalar", "timesPointwise", "dividedByPointwise", "dot", "equals", "approxEquals", "epsilon", "length2", "sqrt", "flatten", "m00", "m01", "m02", "m10", "m11", "m12", "withScale", "scaledBy", "getScale", "withTranslation", "getTranslation", "translatedBy", "from", "to", "timesScalar", "det", "adj", "inverted", "transformVector", "inverseTransformVector", "inv", "transformPosition", "inverseTransformPosition", "transformRect", "inverseTransformRect", "isEmpty", "height", "left", "right", "top", "bottom", "topLeft", "topRight", "bottomRight", "bottomLeft", "withOrigin", "withSize", "closestPointTo", "distanceFrom", "contains", "hasIntersectionWith", "intersectWith", "area", "empty", "NDC", "_capitalize", "str", "toUpperCase", "_getter", "booleanProps", "numericProps", "stringProps", "props", "getArgs", "setArgs", "getEvalOrigin", "evalOrigin", "setEvalOrigin", "getFileName", "getLineNumber", "getColumnNumber", "getFunctionName", "getIsEval", "fromString", "argsStartIndex", "argsEndIndex", "lastIndexOf", "locationString", "Boolean", "j", "parseFloat", "Number", "String", "THEME_STYLES", "parseInt", "InvalidProfileError", "areInputsEqual", "newInputs", "lastInputs", "getBatchRange", "resultFn", "isEqual", "lastThis", "lastResult", "lastArgs", "calledOnce", "newArgs", "_i", "memoize", "batchUID", "minStartTime", "measures", "batchUIDToMeasuresMap", "lastMeasure", "stopTime", "duration", "measure", "WARNING_STRINGS", "getLanesFromTransportDecimalBitmask", "laneBitmaskString", "laneBitmask", "lanes", "powersOfTwo", "profilerVersion", "markWorkStarted", "currentProfilerData", "measureStack", "depth", "getDepth", "lane", "laneToReactMeasureMap", "markWorkCompleted", "processTimelineEvent", "cat", "ph", "profilerData", "snapshot", "image", "imageSource", "resolveFn", "asyncProcessingPromises", "fetch", "response", "blob", "createImageBitmap", "bitmap", "snapshots", "processScreenshot", "stackTrace", "includes", "dur", "nativeEventStack", "prevNativeEvent", "nativeEvent", "warning", "nativeEvents", "processEventDispatch", "requestId", "networkMeasure", "requestIdToNetworkMeasureMap", "finishTimestamp", "firstReceivedDataTimestamp", "lastReceivedDataTimestamp", "processResourceFinish", "processResourceReceivedData", "receiveResponseTimestamp", "processResourceReceiveResponse", "availableDepths", "fill", "requestMethod", "priority", "sendRequestTimestamp", "networkMeasures", "processResourceSendRequest", "reactVersion", "versionString", "laneLabelTuplesString", "laneToLabelMap", "laneLabelTuples", "laneIndex", "updateLaneToLabelMap", "componentName", "assertNoOverlappingComponentMeasure", "currentReactComponentMeasure", "assertCurrentComponentMeasureType", "componentMeasure", "componentMeasures", "processReactComponentMeasure", "schedulingEvents", "forceUpdateEvent", "potentialLongNestedUpdate", "stateUpdateEvent", "phase", "thrownErrors", "promiseName", "unresolvedSuspenseEvents", "suspenseEvent", "resolution", "potentialSuspenseEventsOutsideOfTransition", "suspenseEvents", "nextRenderShouldGenerateNewBatchID", "uidCounter", "potentialLongNestedUpdates", "lastIndex", "throwIfIncomplete", "getLastType", "potentialLongEvents", "stackFrameStart", "internalModuleStackStringSet", "parsedStackFrameStart", "parseStackFrame", "internalModuleCurrentStackFrame", "stackFrameStop", "parsedStackFrameStop", "range", "ranges", "internalModuleSourceToRanges", "otherUserTimingMarks", "JSON", "stringify", "stackFrame", "ErrorStackParser", "preprocessData", "timeline", "flamechart", "rawData", "parsedData", "errorToRethrow", "SpeedscopeFlamechart", "layer", "scriptUrl", "locationLine", "locationColumn", "preprocessFlamechart", "snapshotHeight", "indexOfProfileEvent", "findIndex", "schedulingEvent", "some", "all", "importFile", "readFile", "endsWith", "fileReader", "FileReader", "onload", "onerror", "readAsText", "readInputData", "status", "processedData"], "mappings": "aACE,IAAIA,EAAMb,GAAGvB,SAASC,EAAoBC,GAG5B,GAAGF,EAaiBE,GACnB,OAAOF,EAaiBE,GAAUC,QAGnC,IAAIC,EAASJ,EAaiBE,GAAY,CACzCG,EAAGH,EACHI,GAAG,EACHH,QAAS,IAUV,OANAI,EAQQL,GAAUM,KAAKJ,EA AOD,QAASC,EAAQA,EAAOD,QAASF,GAG/DG,EAAOE,GAAI,EAGJF,EAAOD,QAKfF,EAAoBQ,EAAIF,EA GxBN,EAAoBS,EAaiV,EAGxBC,EAAoBU,EAai,SAASR,EAASS,EAAMC,GAC3CZ,EAAoBa,EAEX,EAAS S,IACICG,OAAOC,eAAeb,EAASS,EAAM,CAA EK, YAA Y,EAAMC,IAAKL,KAKhEZ,EAAoBkB,EAai,SAASh B,GACX,oBAAXiB,QAA0BA,OAAOC,aAC1CN,OAAOC,eAAeb,EAASiB,OAAOC,YAAa,CAAEC,MAAO,WA E7DP,OAAOC,eAAeb,EAAS,aAAc,CAAEmB,OAAO,KAQvDrB,EAAoBsB,EAai,SAASD,EAAOE,GAEvC,GA DU,EAAPA,IAAUF,EAQrB,EAAoBqB,IAC/B,EAape,EA AU,OAAOF,EACpB,GA AW,EAape,GAA8B,iBAA VF,GAAsBA,GAASA,EAAMG,WAA Y,OAAOH,EAC hF,IAAII,EA AKX,OAAOY,OAAO,MAGvB,GAFA1B,EA AoBkB,EAAEO,GACtBX,OAAOC,eAAeU,EAai,UAAW,CAAET,YAA Y,EAAMK,MAAOA,IACtD,EAape,GA 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behave like require\n \t__webpack_require__t = function(value, mode) {\n \tif(mode & 1) value =
__webpack_require__(value);\n \tif(mode & 8) return value;\n \tif((mode & 4) && typeof value === 'object' &&
value && value.__esModule) return value;\n \tvar ns = Object.create(null);\n \t__webpack_require__.r(ns);\n
\tObject.defineProperty(ns, 'default', { enumerable: true, value: value });\n \tif(mode & 2 && typeof value !=
'string') for(var key in value) __webpack_require__.d(ns, key, function(key) { return value[key]; }.bind(null,
key));\n \treturn ns;\n \t};\n \t// getDefaultExport function for compatibility with non-harmony modules\n
\t__webpack_require__.n = function(module) {\n \t\tvar getter = module && module.__esModule ?\n \t\t\tfunction
getDefault() { return module['default']; } :\n \t\t\tfunction getModuleExports() { return module; };\n
\t\t__webpack_require__.d(getter, 'a', getter);\n \t\treturn getter;\n \t};\n \t//
Object.prototype.hasOwnProperty.call\n \t__webpack_require__.o = function(object, property) { return
Object.prototype.hasOwnProperty.call(object, property); };\n \t// __webpack_public_path__\n
\t__webpack_require__.p = "";\n \t// Load entry module and return exports\n \treturn
__webpack_require__(__webpack_require__.s = 13);\n \t, ""\n \t"use strict";\n \tObject.defineProperty(exports,
'__esModule', { value: true });\n \texports.decodeBase64 = exports.lazyStatic = exports.memoizeByReference =
exports.memoizeByShallowEquality = exports.objectsHaveShallowEquality = exports.noop = exports.binarySearch =
exports.triangle = exports.fract = exports.formatPercent = exports.zeroPad = exports.itReduce = exports.itForEach =
exports.itMap = exports.KeyedSet = exports.getOrThrow = exports.getOrElse = exports.getOrInsert =
exports.sortBy = exports.lastOf = void 0;\n \tfunction lastOf(ts) {\n \t\treturn ts[ts.length - 1] || null;\n \t}\n
\texports.lastOf = lastOf;\n \tfunction sortBy(ts, key) {\n \t\tfunction comparator(a, b) {\n \t\t\tconst keyA = key(a);\n \t\t\tconst keyB =
key(b);\n \t\t\treturn keyA < keyB ? -1 : keyA > keyB ? 1 : 0;\n \t\t}\n \t\tts.sort(comparator);\n \t}\n
\texports.sortBy = sortBy;\n \tfunction getOrInsert(map, k, fallback) {\n \t\tif (!map.has(k))\n \t\t\tmap.set(k, fallback(k));\n \t\treturn
map.get(k);\n \t}\n \texports.getOrInsert = getOrInsert;\n \tfunction getOrElse(map, k, fallback) {\n \t\tif (!map.has(k))\n
\t\t\treturn fallback(k);\n \t\treturn map.get(k);\n \t}\n \texports.getOrElse = getOrElse;\n \tfunction getOrThrow(map, k) {\n
\t\tif (!map.has(k))\n \t\t\tthrow new Error(`Expected key ${k}`);\n \t\treturn
map.get(k);\n \t}\n \texports.getOrThrow = getOrThrow;\n \tclass KeyedSet {\n \t\tconstructor() {\n \t\t\tthis.map = new
Map();\n \t\t}\n \t\tgetOrInsert(t) {\n \t\t\tconst key = t.key;\n \t\t\tconst existing = this.map.get(key);\n \t\t\tif
(existing)\n \t\t\t\treturn existing;\n \t\t\tthis.map.set(key, t);\n \t\t\treturn t;\n \t\t}\n \t\tforEach(fn) {\n
\t\t\tthis.map.forEach(fn);\n \t\t}\n \t\t[Symbol.iterator]() {\n \t\t\treturn this.map.values();\n \t\t}\n \t}\n
\texports.KeyedSet = KeyedSet;\n \tfunction* itMap(it, f) {\n \t\tfor (let t of it) {\n \t\t\tyield f(t);\n \t\t}\n \t}\n
\texports.itMap = itMap;\n \tfunction itForEach(it, f) {\n \t\tfor (let t of it) {\n \t\t\tf(t);\n \t\t}\n \t}\n
\texports.itForEach = itForEach;\n \tfunction itReduce(it, f, init) {\n \t\tlet accum = init;\n \t\tfor (let t of it) {\n
\t\t\taccum = f(accum, t);\n \t\t}\n \t\treturn accum;\n \t}\n \texports.itReduce = itReduce;\n \tfunction zeroPad(s, width) {\n
\t\treturn new Array(Math.max(width - s.length, 0) + 1).join('0') + s;\n \t}\n \texports.zeroPad = zeroPad;\n
\tfunction formatPercent(percent) {\n \t\tlet formattedPercent = `${percent.toFixed(0)}%`;\n \t\tif (percent === 100)\n \t\t\tformattedPercent = '100%';\n \t\telse if
(percent > 99)\n \t\t\tformattedPercent = '>99%';\n \t\telse if (percent < 0.01)\n \t\t\tformattedPercent = '<0.01%';\n
\t\telse if (percent < 1)\n \t\t\tformattedPercent = `${percent.toFixed(2)}%`;\n \t\telse if (percent < 10)\n
\t\t\tformattedPercent = `${percent.toFixed(1)}%`;\n \t\treturn formattedPercent;\n \t}\n \texports.formatPercent =
formatPercent;\n \tfunction fract(x) {\n \t\treturn x - Math.floor(x);\n \t}\n \texports.fract = fract;\n \tfunction triangle(x) {\n
\t\treturn 2.0 * Math.abs(fract(x) - 0.5) - 1.0;\n \t}\n \texports.triangle = triangle;\n \tfunction binarySearch(lo, hi, f, target,
targetRangeSize = 1) {\n \t\tconsole.assert(!isNaN(targetRangeSize) && !isNaN(target));\n \t\twhile (true) {\n \t\t\tif
(hi - lo <= targetRangeSize)\n \t\t\t\treturn [lo, hi];\n \t\t\tconst mid = (hi + lo) / 2;\n \t\t\tconst val = f(mid);\n
\t\t\tif (val < target)\n \t\t\t\tlo = mid;\n \t\t\telse\n \t\t\t\thi = mid;\n \t\t}\n \t}\n \texports.binarySearch =
binarySearch;\n \tfunction noop(...args) {\n \t}\n \texports.noop = noop;\n \tfunction objectsHaveShallowEquality(a, b) {\n
\t\tfor (let key in a) {\n \t\t\tif (a[key] !== b[key])\n \t\t\t\treturn false;\n \t\t}\n \t\tfor (let key in b) {\n \t\t\tif (a[key] !==
b[key])\n \t\t\t\treturn false;\n \t\t}\n \t\treturn true;\n \t}\n \texports.objectsHaveShallowEquality =
objectsHaveShallowEquality;\n \tfunction memoizeByShallowEquality(cb) {\n \t\tlet last = null;\n \t\treturn (args) =>
{\n \t\t\tlet result;\n \t\t\tif (last === null) {\n \t\t\t\tresult = cb(args);\n \t\t\t\tlast = { args, result };\n \t\t\t\treturn
result;\n \t\t\t}\n \t\t\telse if (objectsHaveShallowEquality(last.args, args)) {\n \t\t\t\treturn last.result;\n \t\t\t}\n
\t\t}\n \t}\n

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if (k2 === undefined) k2 = k;\n  o[k2] = m[k];\n});\nvar __exportStar = (this && this.__exportStar) || function(m,
exports) {\n  for (var p in m) if (p !== "default" && !exports.hasOwnProperty(p)) __createBinding(exports, m,
p);\n}\nObject.defineProperty(exports, "__esModule", { value: true });\n__exportStar(require("./import/chrome"),
exports);\n__exportStar(require("./lib/flamechart"), exports);\n", "\nuse strict";\nObject.defineProperty(exports,
"__esModule", { value: true });\nexports.ByteFormatter = exports.TimeFormatter = exports.RawValueFormatter =
void 0;\nconst utils_1 = require("./utils");\n\nclass RawValueFormatter {\n  constructor() {\n    this.unit =
'none';\n  }\n  format(v) {\n    return v.toLocaleString();\n  }\n}\nexports.RawValueFormatter =
RawValueFormatter;\n\nclass TimeFormatter {\n  constructor(unit) {\n    this.unit = unit;\n    if (unit ===
'nanoseconds')\n      this.multiplier = 1e-9;\n    else if (unit === 'microseconds')\n      this.multiplier = 1e-
6;\n    else if (unit === 'milliseconds')\n      this.multiplier = 1e-3;\n    else\n      this.multiplier = 1;\n  }\n  formatUnsigned(v) {\n    const s = v * this.multiplier;\n    if (s / 60 >= 1) {\n      const minutes =
Math.floor(s / 60);\n      const seconds = Math.floor(s - minutes * 60).toString();\n      return
`${minutes}:${utils_1.zeroPad(seconds, 2)}`;\n    }\n    if (s / 1 >= 1)\n      return `${s.toFixed(2)}s`;\n    if (s / 1e-3 >= 1)\n      return `${(s / 1e-3).toFixed(2)}ms`;\n    if (s / 1e-6 >= 1)\n      return `${(s / 1e-
6).toFixed(2)}µs`;\n    else\n      return `${(s / 1e-9).toFixed(2)}ns`;\n  }\n  format(v) {\n    return `${v < 0
? '-' : ''}${this.formatUnsigned(Math.abs(v))}`;\n  }\n}\nexports.TimeFormatter = TimeFormatter;\n\nclass
ByteFormatter {\n  constructor() {\n    this.unit = 'bytes';\n  }\n  format(v) {\n    if (v < 1024)\n      return
`${v.toFixed(0)} B`;\n    v /= 1024;\n    if (v < 1024)\n      return `${v.toFixed(2)} KB`;\n    v /= 1024;\n    if (v < 1024)\n      return `${v.toFixed(2)} MB`;\n    v /= 1024;\n    return `${v.toFixed(2)} GB`;\n  }\n}\nexports.ByteFormatter = ByteFormatter;\n", "(function(root, factory) {\n  'use strict';\n  // Universal Module
Definition (UMD) to support AMD, CommonJS/Node.js, Rhino, and browsers.\n\n  /* istanbul ignore next */\n  if
(typeof define === 'function' && define.amd) {\n    define('error-stack-parser', ['stackframe'], factory);\n  } else
if (typeof exports === 'object') {\n    module.exports = factory(require('stackframe'));\n  } else {\n    root.ErrorStackParser = factory(root.StackFrame);\n  }\n})(this, function ErrorStackParser(StackFrame) {\n  'use
strict';\n\n  var FIREFOX_SAFARI_STACK_REGEXP = /^(^@)\S+:\d+;/;\n  var
CHROME_IE_STACK_REGEXP = /^\\s*at .*(\\S+:\d+|(native))/m;\n  var
SAFARI_NATIVE_CODE_REGEXP = /^(eval@)?(\\[native code])?$/;\n\n  return {\n    /**\n     * Given an
Error object, extract the most information from it.\n     * @param {Error} error object\n     * @return
{Array} of StackFrames\n     */\n    parse: function ErrorStackParser$$parse(error) {\n      if (typeof
error.stacktrace !== 'undefined' || typeof error['opera#sourceloc'] !== 'undefined') {\n        return
this.parseOpera(error);\n      } else if (error.stack && error.stack.match(CHROME_IE_STACK_REGEXP)) {\n
        return this.parseV8OrIE(error);\n      } else if (error.stack) {\n        return
this.parseFFOrSafari(error);\n      } else {\n        throw new Error('Cannot parse given Error object');\n      }\n    },\n\n    // Separate line and column numbers from a string of the form: (URI:Line:Column)\n    extractLocation: function ErrorStackParser$$extractLocation(urlLike) {\n      // Fail-fast but return locations like
\"(native)\"\n      if (urlLike.indexOf(':') === -1) {\n        return [urlLike];\n      }\n      var regExp =
/(.+)?(?::(\\d+))?(?::(\\d+))?$/;\n      var parts = regExp.exec(urlLike.replace(/[(]/g, ''));\n      return [parts[1],
parts[2] || undefined, parts[3] || undefined];\n    },\n\n    parseV8OrIE: function
ErrorStackParser$$parseV8OrIE(error) {\n      var filtered = error.stack.split(\"\\n\").filter(function(line) {\n
        return !!line.match(CHROME_IE_STACK_REGEXP);\n      }, this);\n      return
filtered.map(function(line) {\n        if (line.indexOf('(eval ') > -1) {\n          // Throw away eval
information until we implement stacktrace.js/stackframe#8\n          line = line.replace(/eval code/g,
'eval').replace(/(\\(eval at [^()]*)(\\),.*$/g, '');\n        }\n        var sanitizedLine = line.replace(/^\\s+/,
\" \").replace(/\\(eval code/g, '(');\n\n        // capture and preseve the parenthesized location \"(foo/my
bar.js:12:87)\" in\n        // case it has spaces in it, as the string is split on \\s+ later on\n        var location =
sanitizedLine.match(/(\\(\\.+:\\d+:(\\d+))\\)$/);\n\n        // remove the parenthesized location from the line, if it
was matched\n        sanitizedLine = location ? sanitizedLine.replace(location[0], \" \") : sanitizedLine;\n\n        var tokens = sanitizedLine.split(/\\s+/).slice(1);\n        // if a location was matched, pass it to extractLocation()

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otherwise pop the last token\n          var locationParts = this.extractLocation(location ? location[1] :
tokens.pop());\n          var functionName = tokens.join(' ') || undefined;\n          var fileName = ['eval',
'<anonymous>'].indexOf(locationParts[0]) > -1 ? undefined : locationParts[0];\n          return new
StackFrame({\n          functionName: functionName,\n          fileName: fileName,\n
lineNumber: locationParts[1],\n          columnNumber: locationParts[2],\n          source: line\n
});\n    }, this);\n  },\n\n  parseFFOrSafari: function ErrorStackParser$$parseFFOrSafari(error) {\n
var filtered = error.stack.split("\n").filter(function(line) {\n          return
!line.match(SAFARI_NATIVE_CODE_REGEXP);\n        }, this);\n    return filtered.map(function(line)
{\n          // Throw away eval information until we implement stacktrace.js/stackframe#8\n          if
(line.indexOf(' > eval') > -1) {\n          line = line.replace(/ line ((\d+)(?: > eval line (\d+))* > eval:\d+:\d+/g,
':$1');\n          }\n          if (line.indexOf('@') === -1 && line.indexOf('.') === -1) {\n          // Safari
eval frames only have function names and nothing else\n          return new StackFrame({\n
functionName: line\n          });\n          } else {\n          var functionNameRegex =
/((.*\."+("[^@"]*)?([^\s]*)?:@)/;\n          var matches = line.match(functionNameRegex);\n          var
functionName = matches && matches[1] ? matches[1] : undefined;\n          var locationParts =
this.extractLocation(line.replace(functionNameRegex, ""));\n          return new StackFrame({\n
functionName: functionName,\n          fileName: locationParts[0],\n          lineNumber:
locationParts[1],\n          columnNumber: locationParts[2],\n          source: line\n          });\n
        }\n      }, this);\n    },\n\n  parseOpera: function ErrorStackParser$$parseOpera(e) {\n    if
(!e.stacktrace || (e.message.indexOf("\n") > -1 && e.message.split("\n").length >
e.stacktrace.split("\n").length)) {\n    return this.parseOpera9(e);\n    } else if (!e.stack) {\n
return this.parseOpera10(e);\n    } else {\n    return this.parseOpera11(e);\n    }\n  },\n\n  parseOpera9: function ErrorStackParser$$parseOpera9(e) {\n    var lineRE = /Line ((\d+).*script (?:in
)?(\S+)/i;\n    var lines = e.message.split("\n");\n    var result = [];\n    for (var i = 2, len =
lines.length; i < len; i += 2) {\n    var match = lineRE.exec(lines[i]);\n    if (match) {\n
result.push(new StackFrame({\n          fileName: match[2],\n          lineNumber: match[1],\n
source: lines[i]\n          }));\n    }\n  }\n  return result;\n  },\n\n  parseOpera10: function ErrorStackParser$$parseOpera10(e) {\n    var lineRE = /Line ((\d+).*script (?:in
)?(\S+)(?: In function ((\S+))?$)/i;\n    var lines = e.stacktrace.split("\n");\n    var result = [];\n    for
(var i = 0, len = lines.length; i < len; i += 2) {\n    var match = lineRE.exec(lines[i]);\n    if (match)
{\n    result.push(\n    new StackFrame({\n          functionName: match[3] ||
undefined,\n          fileName: match[2],\n          lineNumber: match[1],\n
source: lines[i]\n          })\n    );\n  }\n  }\n  return result;\n  },\n\n  //
Opera 10.65+ Error.stack very similar to FF/Safari\n  parseOpera11: function
ErrorStackParser$$parseOpera11(error) {\n    var filtered = error.stack.split("\n").filter(function(line) {\n
return !!line.match(FIREFOX_SAFARI_STACK_REGEXP) && !line.match(/^Error created at/);\n    },
this);\n    return filtered.map(function(line) {\n    var tokens = line.split('@');\n    var
locationParts = this.extractLocation(tokens.pop());\n    var functionCall = (tokens.shift() || "");\n    var
functionName = functionCall\n    .replace(/<anonymous function: ((\w+))?>/, '$2')\n
.replace(/\\([^\s]*)$/g, ") || undefined");\n    var argsRaw;\n    if (functionCall.match(/\\([^\s]*)$/)) {\n
argsRaw = functionCall.replace(/^[^(\s+)]*(\s+)$/, '$1');\n    }\n    var args = (argsRaw
=== undefined || argsRaw === '[arguments not available]') ?\n    undefined : argsRaw.split(',');\n
return new StackFrame({\n    functionName: functionName,\n    args: args,\n
fileName: locationParts[0],\n    lineNumber: locationParts[1],\n    columnNumber:
locationParts[2],\n    source: line\n    });\n  }, this);\n  }\n  });\n  },\n\n  "use
strict";\n\nfunction nullthrows(x, message) {\n  if (x != null) {\n    return x;\n  }\n  var error = new Error(message
!:= undefined ? message : 'Got unexpected ' + x);\n  error.framesToPop = 1; // Skip nullthrows's own stack frame.\n
throw error;\n}\n\nmodule.exports = nullthrows;\nmodule.exports.default =

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nullthrows;\n\nObject.defineProperty(module.exports, '__esModule', { value: true});\n"/**\n * Copyright (c) 2014-
present, Facebook, Inc.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in
the root directory of this source tree.\n */\n\nvar runtime = (function (exports) {\n  "use strict";\n\n  var Op =
Object.prototype;\n  var hasOwn = Op.hasOwnProperty;\n  var undefined; // More compressible than void 0.\n  var
$Symbol = typeof Symbol === "function" ? Symbol : {};\n  var iteratorSymbol = $Symbol.iterator ||
"@@iterator";\n  var asyncIteratorSymbol = $Symbol.asyncIterator || "@@asyncIterator";\n  var
toStringTagSymbol = $Symbol.toStringTag || "@@toStringTag";\n\n  function define(obj, key, value) {\n
Object.defineProperty(obj, key, {\n  value: value,\n  enumerable: true,\n  configurable: true,\n  writable:
true\n });\n  return obj[key];\n } try {\n // IE 8 has a broken Object.defineProperty that only works on DOM
objects.\n  define({}, "");\n } catch (err) {\n  define = function(obj, key, value) {\n  return obj[key] = value;\n
};\n }\n\n  function wrap(innerFn, outerFn, self, tryLocsList) {\n // If outerFn provided and outerFn.prototype is
a Generator, then outerFn.prototype instanceof Generator.\n  var protoGenerator = outerFn && outerFn.prototype
instanceof Generator ? outerFn : Generator;\n  var generator = Object.create(protoGenerator.prototype);\n  var
context = new Context(tryLocsList || []);\n  // The ._invoke method unifies the implementations of the .next,\n
// .throw, and .return methods.\n  generator._invoke = makeInvokeMethod(innerFn, self, context);\n\n  return
generator;\n }\n  exports.wrap = wrap;\n\n  // Try/catch helper to minimize deoptimizations. Returns a completion\n
// record like context.tryEntries[i].completion. This interface could\n // have been (and was previously) designed to
take a closure to be\n // invoked without arguments, but in all the cases we care about we\n // already have an
existing method we want to call, so there's no need\n // to create a new function object. We can even get away with
assuming\n // the method takes exactly one argument, since that happens to be true\n // in every case, so we don't
have to touch the arguments object. The\n // only additional allocation required is the completion record, which\n //
has a stable shape and so hopefully should be cheap to allocate.\n  function tryCatch(fn, obj, arg) {\n  try {\n
return { type: "normal", arg: fn.call(obj, arg) }; }\n } catch (err) {\n  return { type: "throw", arg: err }; }\n
}\n\n  var GenStateSuspendedStart = "suspendedStart";\n  var GenStateSuspendedYield = "suspendedYield";\n
var GenStateExecuting = "executing";\n  var GenStateCompleted = "completed";\n\n  // Returning this object
from the innerFn has the same effect as\n // breaking out of the dispatch switch statement.\n  var ContinueSentinel =
{};\n\n  // Dummy constructor functions that we use as the .constructor and\n // .constructor.prototype properties for
functions that return Generator\n // objects. For full spec compliance, you may wish to configure your\n // minifier
not to mangle the names of these two functions.\n  function Generator() {} \n  function GeneratorFunction() {} \n
function GeneratorFunctionPrototype() {} \n\n  // This is a polyfill for %IteratorPrototype% for environments that\n
// don't natively support it.\n  var IteratorPrototype = {};\n  IteratorPrototype[iteratorSymbol] = function () {\n
return this;\n }; \n\n  var getProto = Object.getPrototypeOf;\n  var NativeIteratorPrototype = getProto &&
getProto(getProto(values([]))); \n  if (NativeIteratorPrototype && NativeIteratorPrototype !== Op &&
hasOwn.call(NativeIteratorPrototype, iteratorSymbol)) {\n // This environment has a native %IteratorPrototype%\n
use it instead\n // of the polyfill.\n  IteratorPrototype = NativeIteratorPrototype;\n }\n\n  var Gp =
GeneratorFunctionPrototype.prototype = Generator.prototype = Object.create(IteratorPrototype);\n
GeneratorFunction.prototype = Gp.constructor = GeneratorFunctionPrototype;\n
GeneratorFunctionPrototype.constructor = GeneratorFunction;\n  GeneratorFunction.displayName = define(\n
GeneratorFunctionPrototype,\n  toStringTagSymbol,\n  "GeneratorFunction"\n );\n\n  // Helper for defining the
.next, .throw, and .return methods of the\n // Iterator interface in terms of a single ._invoke method.\n  function
defineIteratorMethods(proto) {\n  ["next", "throw", "return"].forEach(function(method) {\n
define(proto, method, function(arg) {\n  return this._invoke(method, arg);\n });\n });\n }\n\n  exports.isGeneratorFunction = function(genFun) {\n  var ctor = typeof genFun === "function" &&
genFun.constructor;\n  return ctor\n    ? ctor === GeneratorFunction ||\n // For the native GeneratorFunction
constructor, the best we can\n // do is to check its .name property.\n    (ctor.displayName || ctor.name) ===
"GeneratorFunction"\n    : false;\n }; \n\n  exports.mark = function(genFun) {\n  if (Object.setPrototypeOf) {\n
Object.setPrototypeOf(genFun, GeneratorFunctionPrototype);\n } else {\n  genFun.__proto__ =
GeneratorFunctionPrototype;\n  define(genFun, toStringTagSymbol, "GeneratorFunction");\n }\n }\n

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genFun.prototype = Object.create(Gp);\n  return genFun;\n  };\n\n // Within the body of any async function, `await
x` is transformed to\n // `yield regeneratorRuntime.awrap(x)`, so that the runtime can test\n // `hasOwn.call(value,
\"__await\")` to determine if the yielded value is\n // meant to be awaited.\n exports.awrap = function(arg) {\n
return { __await: arg };\n }\n\n function AsyncIterator(generator, PromiseImpl) {\n  function invoke(method,
arg, resolve, reject) {\n    var record = tryCatch(generator[method], generator, arg);\n    if (record.type ===
\"throw\") {\n      reject(record.arg);\n    } else {\n      var result = record.arg;\n      var value = result.value;\n
if (value &&\n        typeof value === \"object\" &&\n        hasOwn.call(value, \"__await\")) {\n        return
PromiseImpl.resolve(value.__await).then(function(value) {\n          invoke(\"next\", value, resolve, reject);\n
        }, function(err) {\n          invoke(\"throw\", err, resolve, reject);\n        });\n      }\n\n      return
PromiseImpl.resolve(value).then(function(unwrapped) {\n        // When a yielded Promise is resolved, its final
value becomes\n        // the .value of the Promise<{ value,done}> result for the\n        // current iteration.\n
result.value = unwrapped;\n        resolve(result);\n      }, function(error) {\n        // If a rejected Promise was
yielded, throw the rejection back\n        // into the async generator function so it can be handled there.\n        return
invoke(\"throw\", error, resolve, reject);\n      });\n    }\n  }\n\n  var previousPromise;\n\n  function
enqueue(method, arg) {\n    function callInvokeWithMethodAndArg() {\n      return new
PromiseImpl(function(resolve, reject) {\n        invoke(method, arg, resolve, reject);\n      });\n    }\n\n    return
previousPromise =\n      // If enqueue has been called before, then we want to wait until\n      // all previous
Promises have been resolved before calling invoke,\n      // so that results are always delivered in the correct order.\n      If\n      // enqueue has not been called before, then it is important to\n      // call invoke immediately, without
waiting on a callback to fire,\n      // so that the async generator function has the opportunity to do\n      // any
necessary setup in a predictable way. This predictability\n      // is why the Promise constructor synchronously
invokes its\n      // executor callback, and why async functions synchronously\n      // execute code before the first
await. Since we implement simple\n      // async functions in terms of async generators, it is especially\n      //
important to get this right, even though it requires care.\n      previousPromise ? previousPromise.then(\n
callInvokeWithMethodAndArg,\n      // Avoid propagating failures to Promises returned by later\n      //
invocations of the iterator.\n      callInvokeWithMethodAndArg\n    ) : callInvokeWithMethodAndArg();\n  }\n\n  // Define the unified helper method that is used to implement .next,\n  // .throw, and .return (see
defineIteratorMethods).\n  this._invoke = enqueue;\n  }\n\n  defineIteratorMethods(AsyncIterator.prototype);\n
AsyncIterator.prototype[asyncIteratorSymbol] = function () {\n  return this;\n  };\n  exports.AsyncIterator =
AsyncIterator;\n\n  // Note that simple async functions are implemented on top of\n  // AsyncIterator objects; they
just return a Promise for the value of\n  // the final result produced by the iterator.\n  exports.async =
function(innerFn, outerFn, self, tryLocsList, PromiseImpl) {\n    if (PromiseImpl === void 0) PromiseImpl =
Promise;\n\n    var iter = new AsyncIterator(\n      wrap(innerFn, outerFn, self, tryLocsList),\n      PromiseImpl\n
    );\n\n    return exports.isGeneratorFunction(outerFn)\n      ? iter // If outerFn is a generator, return the full iterator.\n
      : iter.next().then(function(result) {\n        return result.done ? result.value : iter.next();\n      });\n  };\n\n  function
makeInvokeMethod(innerFn, self, context) {\n    var state = GenStateSuspendedStart;\n\n    return function
invoke(method, arg) {\n      if (state === GenStateExecuting) {\n        throw new Error(\"Generator is already
running\");\n      }\n\n      if (state === GenStateCompleted) {\n        if (method === \"throw\") {\n          throw arg;\n
        }\n\n        // Be forgiving, per 25.3.3.3.3 of the spec:\n        // https://people.mozilla.org/~jorendorff/es6-
draft.html#sec-generatorresume\n        return doneResult();\n      }\n\n      context.method = method;\n      context.arg
= arg;\n\n      while (true) {\n        var delegate = context.delegate;\n        if (delegate) {\n          var delegateResult =
maybeInvokeDelegate(delegate, context);\n          if (delegateResult) {\n            if (delegateResult ===
ContinueSentinel) continue;\n            return delegateResult;\n          }\n        }\n\n        if (context.method ===
\"next\") {\n          // Setting context._sent for legacy support of Babel's\n          // function.sent implementation.\n
          context.sent = context._sent = context.arg;\n        } else if (context.method === \"throw\") {\n          if (state ===
GenStateSuspendedStart) {\n            state = GenStateCompleted;\n            throw context.arg;\n          }\n\n
          context.dispatchException(context.arg);\n        } else if (context.method === \"return\") {\n          context.abrupt(\"return\", context.arg);\n        }\n\n        state = GenStateExecuting;\n        var record =

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tryCatch(innerFn, self, context);\n    if (record.type === \"normal\") {\n        // If an exception is thrown from
innerFn, we leave state ===\n        // GenStateExecuting and loop back for another invocation.\n        state =
context.done\n        ? GenStateCompleted\n        : GenStateSuspendedYield;\n        if (record.arg ===
ContinueSentinel) {\n            continue;\n        }\n        return {\n            value: record.arg,\n            done:
context.done\n        };\n    } else if (record.type === \"throw\") {\n        state = GenStateCompleted;\n        //
Dispatch the exception by looping back around to the\n        // context.dispatchException(context.arg) call above.\n        context.method = \"throw\";\n        context.arg = record.arg;\n    }\n};\n\n// Call
delegate.iterator[context.method](context.arg) and handle the\n// result, either by returning a { value, done } result
from the\n// delegate iterator, or by modifying context.method and context.arg,\n// setting context.delegate to null,
and returning the ContinueSentinel.\nfunction maybeInvokeDelegate(delegate, context) {\n    var method =
delegate.iterator[context.method];\n    if (method === undefined) {\n        // A .throw or .return when the delegate
iterator has no .throw\n        // method always terminates the yield* loop.\n        context.delegate = null;\n        if
(context.method === \"throw\") {\n            // Note: [\"return\"] must be used for ES3 parsing compatibility.\n            if
(delegate.iterator[\"return\"])\n                // If the delegate iterator has a return method, give it a\n                // chance to
clean up.\n                context.method = \"return\";\n                context.arg = undefined;\n            maybeInvokeDelegate(delegate, context);\n            if (context.method === \"throw\")\n                // If
maybeInvokeDelegate(context) changed context.method from\n                // \"return\" to \"throw\", let that override the
TypeError below.\n                return ContinueSentinel;\n            }\n            context.method = \"throw\";\n            context.arg = new TypeError(\n                \"The iterator does not provide a 'throw' method\");\n            return
ContinueSentinel;\n        }\n        var record = tryCatch(method, delegate.iterator, context.arg);\n        if (record.type ===
\"throw\") {\n            context.method = \"throw\";\n            context.arg = record.arg;\n            context.delegate = null;\n            return
ContinueSentinel;\n        }\n        var info = record.arg;\n        if (! info) {\n            context.method = \"throw\";\n            context.arg = new TypeError(\"iterator result is not an object\");\n            context.delegate = null;\n            return
ContinueSentinel;\n        }\n        if (info.done) {\n            // Assign the result of the finished delegate to the temporary\n
// variable specified by delegate.resultName (see delegateYield).\n            context[delegate.resultName] =
info.value;\n            // Resume execution at the desired location (see delegateYield).\n            context.next =
delegate.nextLoc;\n            // If context.method was \"throw\" but the delegate handled the\n            // exception, let the
outer generator proceed normally. If\n            // context.method was \"next\", forget context.arg since it has been\n            //
\"consumed\" by the delegate iterator. If context.method was\n            // \"return\", allow the original .return call to
continue in the\n            // outer generator.\n            if (context.method !== \"return\") {\n                context.method = \"next\";\n                context.arg = undefined;\n            }\n        } else {\n            // Re-yield the result returned by the delegate method.\n            return info;\n        }\n        // The delegate iterator is finished, so forget it and continue with\n        // the outer generator.\n        context.delegate = null;\n        return ContinueSentinel;\n    }\n\n// Define Generator.prototype.{next,throw,return} in
terms of the\n// unified ._invoke helper method.\nfunction defineIteratorMethods(Gp){\n    define(Gp,
toStringTagSymbol, \"Generator\");\n    // A Generator should always return itself as the iterator object when the\n
// @@iterator function is called on it. Some browsers' implementations of the\n// iterator prototype chain
incorrectly implement this, causing the Generator\n// object to not be returned from this call. This ensures that
doesn't happen.\n    // See https://github.com/facebook/regenerator/issues/274 for more details.\n    Gp[iteratorSymbol]
= function() {\n        return this;\n    };\n    Gp.toString = function() {\n        return \"[object Generator]\";\n    };\n    function pushTryEntry(locs) {\n        var entry = { tryLoc: locs[0] };\n        if (1 in locs) {\n            entry.catchLoc =
locs[1];\n        }\n        if (2 in locs) {\n            entry.finallyLoc = locs[2];\n            entry.afterLoc = locs[3];\n        }\n        this.tryEntries.push(entry);\n    }\n    function resetTryEntry(entry) {\n        var record = entry.completion || {};\n        record.type = \"normal\";\n        delete record.arg;\n        entry.completion = record;\n    }\n    function
Context(tryLocsList) {\n        // The root entry object (effectively a try statement without a catch\n        // or a finally
block) gives us a place to store values thrown from\n        // locations where there is no enclosing try statement.\n        this.tryEntries = [{ tryLoc: \"root\" }];\n        tryLocsList.forEach(pushTryEntry, this);\n        this.reset(true);\n    }\n    exports.keys = function(object) {\n        var keys = [];\n        for (var key in object) {\n            keys.push(key);\n        }\n        keys.reverse();\n        // Rather than returning an object with a next method, we keep\n        // things simple and return

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the next function itself.\n  return function next() {\n    while (keys.length) {\n      var key = keys.pop();\n      if
(key in object) {\n        next.value = key;\n        next.done = false;\n        return next;\n      }\n    }\n  }\n  // To
avoid creating an additional object, we just hang the .value\n  // and .done properties off the next function object
itself. This\n  // also ensures that the minifier will not anonymize the function.\n  next.done = true;\n  return
next;\n  };\n  };\n\n function values(iterable) {\n  if (iterable) {\n    var iteratorMethod =
iterable[iteratorSymbol];\n    if (iteratorMethod) {\n      return iteratorMethod.call(iterable);\n    }\n    if
(typeof iterable.next === "function") {\n      return iterable;\n    }\n    if (!isNaN(iterable.length)) {\n      var i
= -1, next = function next() {\n        while (++i < iterable.length) {\n          if (hasOwn.call(iterable, i)) {\n
next.value = iterable[i];\n            next.done = false;\n            return next;\n          }\n        }\n        next.value =
undefined;\n        next.done = true;\n        return next;\n      };\n      return next.next = next;\n    }\n  }\n  // Return an iterator with no values.\n  return { next: doneResult };;\n  }\n  exports.values = values;\n\n function
doneResult() {\n  return { value: undefined, done: true };;\n  }\n\n Context.prototype = {\n  constructor:
Context,\n\n  reset: function(skipTempReset) {\n    this.prev = 0;\n    this.next = 0;\n    // Resetting
context._sent for legacy support of Babel's\n    // function.sent implementation.\n    this.sent = this._sent =
undefined;\n    this.done = false;\n    this.delegate = null;\n\n    this.method = "next";\n    this.arg =
undefined;\n\n    this.tryEntries.forEach(resetTryEntry);\n\n    if (!skipTempReset) {\n      for (var name in this)
{\n        // Not sure about the optimal order of these conditions;\n        if (name.charAt(0) === "t" &&\n
hasOwn.call(this, name) &&\n          !isNaN(+name.slice(1))) {\n          this[name] = undefined;\n        }\n      }\n    }\n    stop: function() {\n      this.done = true;\n      var rootEntry = this.tryEntries[0];\n      var
rootRecord = rootEntry.completion;\n      if (rootRecord.type === "throw") {\n        throw rootRecord.arg;\n      }\n      return this.rval;\n    },\n\n    dispatchException: function(exception) {\n      if (this.done) {\n        throw
exception;\n      }\n      var context = this;\n      function handle(loc, caught) {\n        record.type = "throw";\n        record.arg = exception;\n        context.next = loc;\n\n        if (caught) {\n          // If the dispatched exception was
caught by a catch block,\n          // then let that catch block handle the exception normally.\n          context.method =
"next";\n          context.arg = undefined;\n        }\n\n        return !! caught;\n      }\n\n      for (var i =
this.tryEntries.length - 1; i >= 0; --i) {\n        var entry = this.tryEntries[i];\n        var record = entry.completion;\n\n        if (entry.tryLoc === "root") {\n          // Exception thrown outside of any try block that could handle\n          // it,
so set the completion value of the entire function to\n          // throw the exception.\n          return handle("end");\n        }\n\n        if (entry.tryLoc <= this.prev) {\n          var hasCatch = hasOwn.call(entry, "catchLoc");\n          var
hasFinally = hasOwn.call(entry, "finallyLoc");\n          if (hasCatch && hasFinally) {\n            if (this.prev <
entry.catchLoc) {\n              return handle(entry.catchLoc, true);\n            } else if (this.prev < entry.finallyLoc) {\n              return handle(entry.finallyLoc);\n            }\n          } else if (hasCatch) {\n            if (this.prev <
entry.catchLoc) {\n              return handle(entry.catchLoc, true);\n            }\n          } else if (hasFinally) {\n            if (this.prev < entry.finallyLoc) {\n              return handle(entry.finallyLoc);\n            }\n          } else {\n            throw new Error("try statement without catch or finally");\n          }\n        }\n      }\n      abrupt:
function(type, arg) {\n        for (var i = this.tryEntries.length - 1; i >= 0; --i) {\n          var entry = this.tryEntries[i];\n          if (entry.tryLoc <= this.prev &&\n            hasOwn.call(entry, "finallyLoc") &&\n            this.prev <
entry.finallyLoc) {\n            var finallyEntry = entry;\n            break;\n          }\n        }\n        if (finallyEntry &&\n          (type === "break" ||\n            type === "continue") &&\n            finallyEntry.tryLoc <= arg &&\n            arg <=
finallyEntry.finallyLoc) {\n          // Ignore the finally entry if control is not jumping to a\n          // location outside the
try/catch block.\n          finallyEntry = null;\n        }\n        var record = finallyEntry ? finallyEntry.completion : {};\n        record.type = type;\n        record.arg = arg;\n        if (finallyEntry) {\n          this.method = "next";\n          this.next =
finallyEntry.finallyLoc;\n          return ContinueSentinel;\n        }\n        return this.complete(record);\n      },\n\n      complete: function(record, afterLoc) {\n        if (record.type === "throw") {\n          throw record.arg;\n        }\n        if
(record.type === "break" ||\n          record.type === "continue") {\n          this.next = record.arg;\n        } else if
(record.type === "return") {\n          this.rval = this.arg = record.arg;\n          this.method = "return";\n          this.next
= "end";\n        } else if (record.type === "normal" && afterLoc) {\n          this.next = afterLoc;\n        }\n        return
ContinueSentinel;\n      },\n\n      finish: function(finallyLoc) {\n        for (var i = this.tryEntries.length - 1; i >= 0; --i)

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{\n    var entry = this.tryEntries[i];\n    if (entry.finallyLoc === finallyLoc) {\n
this.complete(entry.completion, entry.afterLoc);\n    resetTryEntry(entry);\n    return ContinueSentinel;\n
}\n  }\n },\n\n  \"catch\": function(tryLoc) {\n    for (var i = this.tryEntries.length - 1; i >= 0; --i) {\n    var
entry = this.tryEntries[i];\n    if (entry.tryLoc === tryLoc) {\n    var record = entry.completion;\n    if
(record.type === \"throw\") {\n    var thrown = record.arg;\n    resetTryEntry(entry);\n    }\n
return thrown;\n    }\n  }\n\n  // The context.catch method must only be called with a location\n  //
argument that corresponds to a known catch block.\n  throw new Error(\"illegal catch attempt\");\n  },\n\n
delegateYield: function(iterable, resultName, nextLoc) {\n  this.delegate = {\n  iterator: values(iterable),\n
resultName: resultName,\n  nextLoc: nextLoc\n  };\n\n  if (this.method === \"next\") {\n  // Deliberately
forget the last sent value so that we don't\n  // accidentally pass it on to the delegate.\n  this.arg =
undefined;\n  }\n\n  return ContinueSentinel;\n  }\n  };\n\n  // Regardless of whether this script is executing as
a CommonJS module\n  // or not, return the runtime object so that we can declare the variable\n  //
regeneratorRuntime in the outer scope, which allows this module to be\n  // injected easily by `bin/regenerator --
include-runtime script.js`. \n  return exports;\n\n}(\n // If this script is executing as a CommonJS module, use
module.exports\n // as the regeneratorRuntime namespace. Otherwise create a new empty\n // object. Either way,
the resulting object will be used to initialize\n // the regeneratorRuntime variable at the top of this file.\n
typeof module === \"object\" ? module.exports : {}));\n\ntry {\n  regeneratorRuntime = runtime;\n} catch
(accidentalStrictMode) {\n  // This module should not be running in strict mode, so the above\n  // assignment
should always work unless something is misconfigured. Just\n  // in case runtime.js accidentally runs in strict mode,
we can escape\n  // strict mode using a global Function call. This could conceivably fail\n  // if a Content Security
Policy forbids using Function, but in that case\n  // the proper solution is to fix the accidental strict mode problem.
If\n  // you've misconfigured your bundler to force strict mode and applied a\n  // CSP to forbid Function, and you're
not willing to fix either of those\n  // problems, please detail your unique predicament in a GitHub issue.\n
Function(\"r\", \"regeneratorRuntime = r\")(runtime);\n}\n\n,\"use strict\";\nObject.defineProperty(exports,
\"__esModule\", { value: true });\n\nexports.importFromOldV8CPUProfile = exports.importFromChromeCPUProfile
= exports.importFromChromeTimeline = exports.isChromeTimeline = void 0;\n\nconst profile_1 =
require(\"../lib/profile\");\n\nconst utils_1 = require(\"../lib/utils\");\n\nconst value_formatters_1 = require(\"../lib/value-
formatters\");\n\nconst v8cpuFormatter_1 = require(\"../v8cpuFormatter\");\n\nfunction isChromeTimeline(rawProfile)
{\n  if (!Array.isArray(rawProfile))\n    return false;\n  if (rawProfile.length < 1)\n    return false;\n  const
first = rawProfile[0];\n  if (!(('pid' in first && 'tid' in first && 'ph' in first && 'cat' in first))\n    return false;\n  if
(!rawProfile.find(e => e.name === 'CpuProfile' || e.name === 'Profile' || e.name === 'ProfileChunk'))\n    return
false;\n  return true;\n})\n\nexports.isChromeTimeline = isChromeTimeline;\n\nfunction
importFromChromeTimeline(events, fileName) {\n  // It seems like sometimes Chrome timeline files contain
multiple CpuProfiles?\n  // For now, choose the first one in the list.\n  const cpuProfileById = new Map();\n  //
Maps profile IDs (like \"0x3\") to pid/tid pairs formatted as `${pid}:${tid}`\n  const pidTidById = new Map();\n
  // Maps pid/tid pairs to thread names\n  const threadNameByPidTid = new Map();\n  // The events aren't
necessarily recorded in chronological order. Sort them so\n  // that they are.\n  utils_1.sortBy(events, e => e.ts);\n
for (let event of events) {\n  if (event.name === 'CpuProfile') {\n    const pidTid =
`${event.pid}:${event.tid}`;\n    const id = event.id || pidTid;\n    cpuProfileById.set(id,
event.args.data.cpuProfile);\n    pidTidById.set(id, pidTid);\n  }\n  if (event.name === 'Profile') {\n
const pidTid = `${event.pid}:${event.tid}`;\n    cpuProfileById.set(event.id || pidTid, Object.assign({
startTime: 0, endTime: 0, nodes: [], samples: [], timeDeltas: [] }, event.args.data));\n    if (event.id) {\n
pidTidById.set(event.id, `${event.pid}:${event.tid}`);\n    }\n  }\n  if (event.name === 'thread_name')
{\n    threadNameByPidTid.set(`${event.pid}:${event.tid}`, event.args.name);\n  }\n  if (event.name
=== 'ProfileChunk') {\n    const pidTid = `${event.pid}:${event.tid}`;\n    const cpuProfile =
cpuProfileById.get(event.id || pidTid);\n    if (cpuProfile) {\n    const chunk = event.args.data;\n
if (chunk.cpuProfile) {\n    if (chunk.cpuProfile.nodes) {\n    cpuProfile.nodes =
cpuProfile.nodes.concat(chunk.cpuProfile.nodes);\n    }\n    if (chunk.cpuProfile.samples) {\n

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        cpuProfile.samples = cpuProfile.samples.concat(chunk.cpuProfile.samples);\n        }\n    }\n    if (chunk.timeDeltas) {\n        cpuProfile.timeDeltas =\n        cpuProfile.timeDeltas.concat(chunk.timeDeltas);\n    }\n    if (chunk.startTime != null) {\n        cpuProfile.startTime = chunk.startTime;\n    }\n    if (chunk.endTime != null) {\n        cpuProfile.endTime = chunk.endTime;\n    }\n    else {\n        console.warn(`Ignoring\n        ProfileChunk for undeclared Profile with id ${event.id || pidTid}`);\n    }\n    }\n    }\n    if\n    (cpuProfileByID.size > 0) {\n        const profiles = [];\n        let indexToView = 0;\n        utils_1.forEach(cpuProfileByID.keys(), profileId => {\n            let threadName = null;\n            let pidTid =\n            pidTidById.get(profileId);\n            if (pidTid) {\n                threadName = threadNameByPidTid.get(pidTid) ||\n                null;\n                if (threadName) {\n                    }\n                }\n            }\n            const profile =\n            importFromChromeCPUProfile(cpuProfileByID.get(profileId));\n            if (threadName && cpuProfileByID.size >\n            1) {\n                profile.setName(`${fileName} - ${threadName}`);\n                if (threadName ===\n                'CrRendererMain') {\n                    indexToView = profiles.length;\n                }\n            }\n            else {\n                profile.setName(`${fileName}`);\n            }\n            profiles.push(profile);\n        });\n        return { name: fileName,\n        indexToView, profiles };\n    }\n    else {\n        throw new Error('Could not find CPU profile in Timeline');\n    }\n    }\n}\n\nexports.importFromChromeTimeline = importFromChromeTimeline;\nconst callFrameToFrameInfo = new\nMap();\nfunction frameInfoForCallFrame(callFrame) {\n    return utils_1.getOrInsert(callFrameToFrameInfo,\n    callFrame, callFrame => {\n        const name = callFrame.functionName || '(anonymous)';\n        const file =\n        callFrame.url;\n        const line = callFrame.lineNumber;\n        const col = callFrame.columnNumber;\n        return\n        {\n            key: `${name}:${file}:${line}:${col}`, \n            name, \n            file, \n            line, \n            col, \n        };\n    });\n}\n\nfunction shouldIgnoreFunction(callFrame) {\n    const { functionName, url } = callFrame;\n    if (url ===\n    'native dummy.js') {\n        // I'm not really sure what this is about, but this seems to be used\n        // as a way of\n        avoiding edge cases in V8's implementation.\n        // See:\n        https://github.com/v8/v8/blob/b8626ca4/tools/js2c.py#L419-L424\n        return true;\n    }\n    return functionName\n    === '(root)' || functionName === '(idle)';\n}\n\nfunction shouldPlaceOnTopOfPreviousStack(functionName) {\n    return functionName === '(garbage collector)' || functionName === '(program)';\n}\n\nfunction\nimportFromChromeCPUProfile(chromeProfile) {\n    const profile = new\n    profile_1.CallTreeProfileBuilder(chromeProfile.endTime - chromeProfile.startTime);\n    const nodeById = new\n    Map();\n    for (let node of chromeProfile.nodes) {\n        nodeById.set(node.id, node);\n    }\n    for (let node of\n    chromeProfile.nodes) {\n        if (typeof node.parent === 'number') {\n            node.parent =\n            nodeById.get(node.parent);\n        }\n        if (!node.children)\n            continue;\n        for (let childId of\n        node.children) {\n            const child = nodeById.get(childId);\n            if (!child)\n                continue;\n            child.parent = node;\n        }\n    }\n    const samples = [];\n    const sampleTimes = [];\n    // The first delta is relative\n    to the profile startTime.\n    // Ref: https://github.com/v8/v8/blob/44bd8fd7/src/inspector/js_protocol.json#L1485\n    let elapsed = chromeProfile.timeDeltas[0];\n    // Prevents negative time deltas from causing bad data. See\n    //\n    https://github.com/jlffwong/speedscope/pull/305 for details.\n    let lastValidElapsed = elapsed;\n    let lastNodeId =\n    NaN;\n    // The chrome CPU profile format doesn't collapse identical samples. We'll do that\n    // here to save a ton\n    of work later doing mergers.\n    for (let i = 0; i < chromeProfile.samples.length; i++) {\n        const nodeId =\n        chromeProfile.samples[i];\n        if (nodeId !== lastNodeId) {\n            samples.push(nodeId);\n            if (elapsed <\n            lastValidElapsed) {\n                sampleTimes.push(lastValidElapsed);\n            }\n            else {\n                sampleTimes.push(elapsed);\n                lastValidElapsed = elapsed;\n            }\n        }\n        if (i ===\n        chromeProfile.samples.length - 1) {\n            if (!isNaN(lastNodeId)) {\n                samples.push(lastNodeId);\n                if (elapsed < lastValidElapsed) {\n                    sampleTimes.push(lastValidElapsed);\n                }\n            }\n            else {\n                sampleTimes.push(elapsed);\n                lastValidElapsed = elapsed;\n            }\n        }\n    }\n    else {\n        const timeDelta = chromeProfile.timeDeltas[i + 1];\n        elapsed += timeDelta;\n        lastNodeId = nodeId;\n    }\n}\n\nlet prevStack = [];\nfor (let i = 0; i < samples.length; i++) {\n    const\n    value = sampleTimes[i];\n    const nodeId = samples[i];\n    let stackTop = nodeById.get(nodeId);\n    if\n    (!stackTop)\n        continue;\n    // Find lowest common ancestor of the current stack and the previous one\n
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let lca = null;\n    // This is O(n^2), but n should be relatively small here (stack height),\n    // so hopefully this isn't much of a problem\n    for (lca = stackTop; lca && prevStack.indexOf(lca) === -1; lca = shouldPlaceOnTopOfPreviousStack(lca.callFrame.functionName)\n        ? utils_1.lastOf(prevStack)\n        : lca.parent || null) {\n    // Close frames that are no longer open\n    while (prevStack.length > 0 && utils_1.lastOf(prevStack) !== lca) {\n        const closingNode = prevStack.pop();\n        const frame = frameInfoForCallFrame(closingNode.callFrame);\n        profile.leaveFrame(frame, value);\n    }\n    // Open frames that are now becoming open\n    const toOpen = [];\n    for (let node = stackTop; node && node !== lca && !shouldIgnoreFunction(node.callFrame); \n        // Place Chrome internal functions on top of the previous call stack\n        node = shouldPlaceOnTopOfPreviousStack(node.callFrame.functionName)\n        ? utils_1.lastOf(prevStack)\n        : node.parent || null) {\n        toOpen.push(node);\n    }\n    toOpen.reverse();\n    for (let node of toOpen) {\n        profile.enterFrame(frameInfoForCallFrame(node.callFrame), value);\n    }\n    prevStack = prevStack.concat(toOpen);\n    }\n    // Close frames that are open at the end of the trace\n    for (let i = prevStack.length - 1; i >= 0; i--) {\n        profile.leaveFrame(frameInfoForCallFrame(prevStack[i].callFrame),\n            utils_1.lastOf(sampleTimes));\n    }\n    profile.setValueFormatter(new value_formatters_1.TimeFormatter('microseconds'));\n    return profile.build();\n}\n\nexports.importFromChromeCPUProfile = importFromChromeCPUProfile;\nfunction importFromOldV8CPUProfile(content) {\n    return importFromChromeCPUProfile(v8cpuFormatter_1.chromeTreeToNodes(content));\n}\n\nexports.importFromOldV8CPUProfile = importFromOldV8CPUProfile;\n\n", "\nuse strict";\n\nvar __createBinding = (this && this.__createBinding) || (Object.create ? (function(o, m, k, k2) {\n    if (k2 === undefined) k2 = k;\n    Object.defineProperty(o, k2, { enumerable: true, get: function() { return m[k]; } });\n}) : (function(o, m, k, k2) {\n    if (k2 === undefined) k2 = k;\n    o[k2] = m[k];\n}));\n\nvar __setModuleDefault = (this && this.__setModuleDefault) || (Object.create ? (function(o, v) {\n    Object.defineProperty(o, "default", { enumerable: true, value: v });\n}) : function(o, v) {\n    o["default"] = v;\n});\n\nvar __importStar = (this && this.__importStar) || function (mod) {\n    if (mod && mod.__esModule) return mod;\n    var result = {};\n    if (mod !== null) for (var k in mod) if (Object.hasOwnProperty.call(mod, k)) __createBinding(result, mod, k);\n    __setModuleDefault(result, mod);\n    return result;\n};\n\nvar __awaiter = (this && this.__awaiter) || function (thisArg, _arguments, P, generator) {\n    function adopt(value) { return value instanceof P ? value : new P(function (resolve) { resolve(value); }); }\n    return new (P || (P = Promise))(function (resolve, reject) {\n        function fulfilled(value) { try { step(generator.next(value)); } catch (e) { reject(e); } }\n        function rejected(value) { try { step(generator["throw"](value)); } catch (e) { reject(e); } }\n        function step(result) { result.done ? resolve(result.value) : adopt(result.value).then(fulfilled, rejected); }\n        step((generator = generator.apply(thisArg, _arguments || [])).next());\n    });\n}\n\nObject.defineProperty(exports, "__esModule", { value: true });\n\nexports.CallTreeProfileBuilder = exports.StackListProfileBuilder = exports.Profile = exports.CallTreeNode = exports.Frame = exports.HasWeights = void 0;\n\nconst utils_1 = require("./utils");\nconst value_formatters_1 = require("./value-formatters");\nconst demangleCppTypeModule = Promise.resolve().then(() => __importStar(require("./demangle-cpp")));\n\n// Force eager loading of the module\ndemangleCppTypeModule.then(() => {\n    class HasWeights {\n        constructor() {\n            this.selfWeight = 0;\n            this.totalWeight = 0;\n        }\n        getSelfWeight() {\n            return this.selfWeight;\n        }\n        getTotalWeight() {\n            return this.totalWeight;\n        }\n        addToTotalWeight(delta) {\n            this.totalWeight += delta;\n        }\n        addToSelfWeight(delta) {\n            this.selfWeight += delta;\n        }\n        overwriteWeightWith(other) {\n            this.selfWeight = other.selfWeight;\n            this.totalWeight = other.totalWeight;\n        }\n    }\n\n    exports.HasWeights = HasWeights;\n\n    let Frame = /** @class */ (() => {\n        class Frame extends HasWeights {\n            constructor(info) {\n                super();\n                this.key = info.key;\n                this.name = info.name;\n                this.file = info.file;\n                this.line = info.line;\n                this.col = info.col;\n            }\n            static getOrInsert(set, info) {\n                return set.getOrInsert(new Frame(info));\n            }\n        }\n\n        Frame.root = new Frame({\n            key: '(speedscope root)',\n            name: '(speedscope root)',\n        });\n\n        return Frame;\n    })();\n\n    exports.Frame = Frame;\n\n    class CallTreeNode extends HasWeights {\n        constructor(frame, parent)

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{\n    super();\n    this.frame = frame;\n    this.parent = parent;\n    this.children = [];\n    // If a node is
"frozen", it means it should no longer be mutated.\n    this.frozen = false;\n    }\n    isRoot() {\n    return
this.frame === Frame.root;\n    }\n    isFrozen() {\n    return this.frozen;\n    }\n    freeze() {\n    this.frozen =
true;\n    }\n}\n\nexports.CallTreeNode = CallTreeNode;\n\nclass Profile {\n    constructor(totalWeight = 0) {\n
this.name = ";\n    this.frames = new utils_1.KeyedSet();\n    // Profiles store two call-trees.\n    /\n    //
The "append order" call tree is the one in which nodes are ordered in\n    // whatever order they were appended
to their parent.\n    /\n    // The "grouped" call tree is one in which each node has at most one child per\n
// frame. Nodes are ordered in decreasing order of weight\n    this.appendOrderCalltreeRoot = new
CallTreeNode(Frame.root, null);\n    this.groupedCalltreeRoot = new CallTreeNode(Frame.root, null);\n    //
List of references to CallTreeNodes at the top of the\n    // stack at the time of the sample.\n    this.samples =
[];\n    this.weights = [];\n    this.valueFormatter = new value_formatters_1.RawValueFormatter();\n
this.totalNonIdleWeight = null;\n    this.totalWeight = totalWeight;\n    }\n    getAppendOrderCalltreeRoot() {\n
return this.appendOrderCalltreeRoot;\n    }\n    getGroupedCalltreeRoot() {\n    return
this.groupedCalltreeRoot;\n    }\n    formatValue(v) {\n    return this.valueFormatter.format(v);\n    }\n
setValueFormatter(f) {\n    this.valueFormatter = f;\n    }\n    getWeightUnit() {\n    return
this.valueFormatter.unit;\n    }\n    getName() {\n    return this.name;\n    }\n    setName(name) {\n    this.name
= name;\n    }\n    getTotalWeight() {\n    return this.totalWeight;\n    }\n    getTotalNonIdleWeight() {\n    if
(this.totalNonIdleWeight === null) {\n        this.totalNonIdleWeight =
this.groupedCalltreeRoot.children.reduce((n, c) => n + c.getTotalWeight(), 0);\n    }\n    return
this.totalNonIdleWeight;\n    }\n    // This is private because it should only be called in the ProfileBuilder\n    //
classes. Once a Profile instance has been constructed, it should be treated\n    // as immutable.\n
sortGroupedCallTree() {\n    function visit(node) {\n        node.children.sort((a, b) => -(a.getTotalWeight() -
b.getTotalWeight()));\n        node.children.forEach(visit);\n    }\n    visit(this.groupedCalltreeRoot);\n    }\n
forEachCallGrouped(openFrame, closeFrame) {\n    function visit(node, start) {\n        if (node.frame !==
Frame.root) {\n            openFrame(node, start);\n        }\n        let childTime = 0;\n
node.children.forEach(function (child) {\n            visit(child, start + childTime);\n            childTime +=
child.getTotalWeight();\n        });\n        if (node.frame !== Frame.root) {\n            closeFrame(node, start +
node.getTotalWeight());\n        }\n    }\n    visit(this.groupedCalltreeRoot, 0);\n    }\n
forEachCall(openFrame, closeFrame) {\n    let prevStack = [];\n    let value = 0;\n    let sampleIndex = 0;\n
for (let stackTop of this.samples) {\n        // Find lowest common ancestor of the current stack and the previous
one\n        let lca = null;\n        // This is O(n^2), but n should be relatively small here (stack height),\n        //
so hopefully this isn't much of a problem\n        for (lca = stackTop; lca && lca.frame !== Frame.root &&
prevStack.indexOf(lca) === -1; lca = lca.parent) {\n            // Close frames that are no longer open\n            while
(prevStack.length > 0 && utils_1.lastOf(prevStack) !== lca) {\n                const node = prevStack.pop();\n
closeFrame(node, value);\n            }\n            // Open frames that are now becoming open\n            const toOpen =
[];\n            for (let node = stackTop; node && node.frame !== Frame.root && node !== lca; node = node.parent) {\n
                toOpen.push(node);\n            }\n            toOpen.reverse();\n            for (let node of toOpen) {\n
openFrame(node, value);\n            }\n            prevStack = prevStack.concat(toOpen);\n            value +=
this.weights[sampleIndex++];\n        }\n        // Close frames that are open at the end of the trace\n        for (let i =
prevStack.length - 1; i >= 0; i--) {\n            closeFrame(prevStack[i], value);\n        }\n    }\n    forEachFrame(fn) {\n
this.frames.forEach(fn);\n    }\n    getProfileWithRecursionFlattened() {\n    const builder = new
CallTreeProfileBuilder();\n    const stack = [];\n    const framesInStack = new Set();\n    function
openFrame(node, value) {\n        if (framesInStack.has(node.frame)) {\n            stack.push(null);\n        }\n
        else {\n            framesInStack.add(node.frame);\n            stack.push(node);\n        }\n
builder.enterFrame(node.frame, value);\n    }\n    function closeFrame(node, value) {\n    const
stackTop = stack.pop();\n        if (stackTop) {\n            framesInStack.delete(stackTop.frame);\n        }\n
builder.leaveFrame(stackTop.frame, value);\n    }\n    }\n    this.forEachCall(openFrame, closeFrame);\n
const flattenedProfile = builder.build();\n    flattenedProfile.name = this.name;\n

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flattenedProfile.valueFormatter = this.valueFormatter;\n    // When constructing a profile with recursion
flattened,\n    // counter-intuitive things can happen to \"self time\" measurements\n    // for functions.\n    //
For example, given the following list of stacks w/ weights:\n    //\n    // a 1\n    // a;b;a 1\n    // a;b;a;b;a 1\n    // a;b;a 1\n    //\n    // The resulting profile with recursion flattened out will look like this:\n    //\n    // a
1\n    // a;b 3\n    //\n    // Which is useful to view, but it's counter-intuitive to move self-time\n    // for
frames around, since analyzing the self-time of functions is an important\n    // thing to be able to do accurately,
and we don't want this to change when recursion\n    // is flattened. To work around that, we'll just copy the
weights directly from the\n    // un-flattened profile.\n    this.forEachFrame(f => {\n
flattenedProfile.frames.getOrInsert(f).overwriteWeightWith(f);\n    });\n    return flattenedProfile;\n  }\n
getInvertedProfileForCallersOf(focalFrameInfo) {\n    const focalFrame = Frame.getOrInsert(this.frames,
focalFrameInfo);\n    const builder = new StackListProfileBuilder();\n    // TODO(jlfwong): Could construct
this at profile\n    // construction time rather than on demand.\n    const nodes = [];\n    function visit(node)
{\n    if (node.frame === focalFrame) {\n      nodes.push(node);\n    } else {\n      for
(let child of node.children) {\n        visit(child);\n      }\n    }\n  }\n  visit(this.appendOrderCalltreeRoot);\n  for (let node of nodes) {\n    const stack = [];\n    for (let n =
node; n != null && n.frame !== Frame.root; n = n.parent) {\n      stack.push(n.frame);\n    }\n    builder.appendSampleWithWeight(stack, node.getTotalWeight());\n  }\n  const ret = builder.build();\n  ret.name = this.name;\n  ret.valueFormatter = this.valueFormatter;\n  return ret;\n }\n
getProfileForCalleesOf(focalFrameInfo) {\n    const focalFrame = Frame.getOrInsert(this.frames,
focalFrameInfo);\n    const builder = new StackListProfileBuilder();\n    function
recordSubtree(focalFrameNode) {\n      const stack = [];\n      function visit(node) {\n
stack.push(node.frame);\n      builder.appendSampleWithWeight(stack, node.getSelfWeight());\n      for
(let child of node.children) {\n        visit(child);\n      }\n      stack.pop();\n    }\n    visit(focalFrameNode);\n  }\n  function findCalls(node) {\n    if (node.frame === focalFrame) {\n
recordSubtree(node);\n    } else {\n      for (let child of node.children) {\n
findCalls(child);\n      }\n    }\n  }\n  findCalls(this.appendOrderCalltreeRoot);\n  const ret =
builder.build();\n  ret.name = this.name;\n  ret.valueFormatter = this.valueFormatter;\n  return ret;\n }\n
// Demangle symbols for readability\n  demangle() {\n    return __awaiter(this, void 0, void 0, function* () {\n
let demangleCpp = null;\n    for (let frame of this.frames) {\n      // This function converts a mangled
C++ name such as \"__ZNK7Support6ColorFeqERKS0_\"\n      // into a human-readable symbol (in this case
\"Support::ColorF::==(Support::ColorF&)\")\n      if (frame.name.startsWith('__Z')) {\n        if
(!demangleCpp) {\n          demangleCpp = (yield demangleCppModule).demangleCpp;\n        }\n        frame.name = demangleCpp(frame.name);\n      }\n    }\n  }\n  remapNames(callback) {\n    for (let frame of this.frames) {\n      frame.name = callback(frame.name);\n    }\n  }\n  exports.Profile = Profile;\n  class StackListProfileBuilder extends Profile {\n    constructor() {\n      super(...arguments);\n      this.pendingSample = null;\n    }\n    _appendSample(stack, weight, useAppendOrder)
{\n      if (isNaN(weight))\n        throw new Error('invalid weight');\n      let node = useAppendOrder ?
this.appendOrderCalltreeRoot : this.groupedCalltreeRoot;\n      let framesInStack = new Set();\n      for (let
frameInfo of stack) {\n        const frame = Frame.getOrInsert(this.frames, frameInfo);\n        const last =
useAppendOrder\n        ? utils_1.lastOf(node.children)\n        : node.children.find(c => c.frame ===
frame);\n        if (last && !last.isFrozen() && last.frame === frame) {\n          node = last;\n        }\n        else {\n          const parent = node;\n          node = new CallTreeNode(frame, node);\n          parent.children.push(node);\n        }\n        node.addToTotalWeight(weight);\n        // It's possible for the
same frame to occur multiple\n        // times in the same call stack due to either direct\n        // or indirect
recursion. We want to avoid counting that\n        // frame multiple times for a single sample, we so just\n        //
track all of the unique frames that participated in\n        // this call stack, then add to their weight at the end.\n        framesInStack.add(node.frame);\n      }\n      node.addToSelfWeight(weight);\n      if (useAppendOrder) {\n        for (let child of node.children) {\n          child.freeze();\n        }\n      }\n      if (useAppendOrder) {\n

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node.frame.addToSelfWeight(weight);\n      for (let frame of framesInStack) {\n
frame.addToTotalWeight(weight);\n      }\n      if (node === utils_1.lastOf(this.samples)) {\n
this.weights[this.weights.length - 1] += weight;\n      }\n      else {\n          this.samples.push(node);\n          this.weights.push(weight);\n      }\n      }\n      appendSampleWithWeight(stack, weight) {\n      if
(weight === 0) {\n          // Samples with zero weight have no effect, so let's ignore them\n          return;\n      }\n      if (weight < 0) {\n          throw new Error('Samples must have positive weights');\n      }\n      this._appendSample(stack, weight, true);\n      this._appendSample(stack, weight, false);\n      }\n      appendSampleWithTimestamp(stack, timestamp) {\n      if (this.pendingSample) {\n          if (timestamp <
this.pendingSample.centralTimestamp) {\n              throw new Error('Timestamps received out of order');\n          }\n          const endTimeStamp = (timestamp + this.pendingSample.centralTimestamp) / 2;\n          this.appendSampleWithWeight(this.pendingSample.stack, endTimeStamp - this.pendingSample.startTimestamp);\n          this.pendingSample = { stack, startTimestamp: endTimeStamp, centralTimestamp: timestamp };\n      }\n      else {\n          this.pendingSample = { stack, startTimestamp: timestamp, centralTimestamp: timestamp };\n      }\n      }\n      build() {\n      if (this.pendingSample) {\n          if (this.samples.length > 0) {\n          this.appendSampleWithWeight(this.pendingSample.stack, this.pendingSample.centralTimestamp -
this.pendingSample.startTimestamp);\n          }\n          else {\n              // There is only a single sample. In this
case, units will be meaningless,\n              // so we'll append with a weight of 1 and also clear any value formatter\n              this.appendSampleWithWeight(this.pendingSample.stack, 1);\n              this.setValueFormatter(new
value_formatters_1.RawValueFormatter());\n          }\n          }\n          this.totalWeight = Math.max(this.totalWeight,
this.weights.reduce((a, b) => a + b, 0));\n          this.sortGroupedCallTree();\n          return this;\n      }\n      }\n      exports.StackListProfileBuilder = StackListProfileBuilder;\n      // As an alternative API for importing profiles
more efficiently, provide a\n      // way to open & close frames directly without needing to construct tons of\n      // arrays as
intermediaries.\n      class CallTreeProfileBuilder extends Profile {\n      constructor() {\n          super(...arguments);\n          this.appendOrderStack = [this.appendOrderCalltreeRoot];\n          this.groupedOrderStack =
[this.groupedCalltreeRoot];\n          this.framesInStack = new Map();\n          this.stack = [];\n          this.lastValue = 0;\n          }\n          addWeightsToFrames(value) {\n          const delta = value - this.lastValue;\n          for (let frame of
this.framesInStack.keys()) {\n              frame.addToTotalWeight(delta);\n          }\n          }\n          const stackTop =
utils_1.lastOf(this.stack);\n          if (stackTop) {\n              stackTop.addToSelfWeight(delta);\n          }\n          }\n          addWeightsToNodes(value, stack) {\n          const delta = value - this.lastValue;\n          for (let node of stack) {\n          node.addToTotalWeight(delta);\n          }\n          }\n          const stackTop = utils_1.lastOf(stack);\n          if (stackTop) {\n          stackTop.addToSelfWeight(delta);\n          }\n          }\n          _enterFrame(frame, value, useAppendOrder) {\n          let stack
= useAppendOrder ? this.appendOrderStack : this.groupedOrderStack;\n          this.addWeightsToNodes(value,
stack);\n          let prevTop = utils_1.lastOf(stack);\n          if (prevTop) {\n              if (useAppendOrder) {\n          const delta = value - this.lastValue;\n              if (delta > 0) {\n                  this.samples.push(prevTop);\n                  this.weights.push(value - this.lastValue);\n              }\n              else if (delta < 0) {\n                  throw new
Error('Samples must be provided in increasing order of cumulative value. Last sample was ${this.lastValue}, this
sample was ${value}');\n              }\n          }\n          }\n          const last = useAppendOrder\n          ?\n          utils_1.lastOf(prevTop.children)\n          : prevTop.children.find(c => c.frame === frame);\n          let node;\n          if (last && !last.isFrozen() && last.frame === frame) {\n              node = last;\n          }\n          else {\n          node = new CallTreeNode(frame, prevTop);\n              prevTop.children.push(node);\n          }\n          }\n          stack.push(node);\n          }\n          }\n          enterFrame(frameInfo, value) {\n          const frame =
Frame.getOrInsert(this.frames, frameInfo);\n          this.addWeightsToFrames(value);\n          this._enterFrame(frame,
value, true);\n          this._enterFrame(frame, value, false);\n          this.stack.push(frame);\n          const frameCount =
this.framesInStack.get(frame) || 0;\n          this.framesInStack.set(frame, frameCount + 1);\n          this.lastValue =
value;\n          }\n          _leaveFrame(frame, value, useAppendOrder) {\n          let stack = useAppendOrder ?
this.appendOrderStack : this.groupedOrderStack;\n          this.addWeightsToNodes(value, stack);\n          if
(useAppendOrder) {\n              const leavingStackTop = this.appendOrderStack.pop();\n              if (leavingStackTop
=== null) {\n                  throw new Error('Trying to leave ${frame.key} when stack is empty');\n              }\n          }\n          if

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(this.lastValue == null) {\n          throw new Error(`Trying to leave a ${frame.key} before any have been
entered`);\n      }\n      leavingStackTop.freeze();\n      if (leavingStackTop.frame.key !== frame.key) {\n          throw new Error(`Tried to leave frame \"${frame.name}\" while frame \"${leavingStackTop.frame.name}\"
was at the top at ${value}`);\n      }\n      const delta = value - this.lastValue;\n      if (delta > 0) {\n          this.samples.push(leavingStackTop);\n          this.weights.push(value - this.lastValue);\n      }\n      else
if (delta < 0) {\n          throw new Error(`Samples must be provided in increasing order of cumulative value. Last
sample was ${this\n          .lastValue}, this sample was ${value}`);\n      }\n      }\n      else {\n          this.groupedOrderStack.pop();\n      }\n      }\n      leaveFrame(frameInfo, value) {\n          const frame =
Frame.getOrInsert(this.frames, frameInfo);\n          this.addWeightsToFrames(value);\n          this._leaveFrame(frame,
value, true);\n          this._leaveFrame(frame, value, false);\n          this.stack.pop();\n          const frameCount =
this.framesInStack.get(frame);\n          if (frameCount == null)\n              return;\n          if (frameCount === 1) {\n              this.framesInStack.delete(frame);\n          }\n          else {\n              this.framesInStack.set(frame, frameCount - 1);\n          }\n          this.lastValue = value;\n          this.totalWeight = Math.max(this.totalWeight, this.lastValue);\n      }\n      build()\n      {\n          // Each stack is expected to contain a single node which we initialize to be\n          // the root node.\n          if
(this.appendOrderStack.length > 1 || this.groupedOrderStack.length > 1) {\n              throw new Error(`Tried to
complete profile construction with a non-empty stack`);\n          }\n          this.sortGroupedCallTree();\n          return
this;\n      }\n      }\n      exports.CallTreeProfileBuilder = CallTreeProfileBuilder;\n      "\n      use
strict";\n      Object.defineProperty(exports, "__esModule", { value: true });\n      exports.demangleCpp = void 0;\n      let
cppfilt;\n      const cache = new Map();\n      // This function converts a mangled C++ name such as
`__ZNK7Support6ColorFeqERKS0_`\n      // into a human-readable symbol (in this case
`Support::ColorF::==(Support::ColorF&)`)\n      function demangleCpp(name) {\n          if (name.startsWith('__Z')) {\n              let result = cache.get(name);\n              if (result !== undefined) {\n                  name = result;\n              }\n              else {\n                  if (!cppfilt) {\n                      cppfilt = new Function('exports', code)();\n                  }\n                  result =
cppfilt(name.slice(1));\n                  result = result === '(null)' ? name : result;\n                  cache.set(name, result);\n                  name = result;\n              }\n              }\n              return name;\n          }\n          exports.demangleCpp = demangleCpp;\n      // This was taken from
https://d.fuqu.jp/c++filt.js/\n      const code = `\n      return function(){function r(r){eval.call(null,r)}function a(r){throw
print(r+":\\n\\n\\n"+(new Error).stack),ke=!0,"Assertion: `"+r)`function e(r,e){r||a(`Assertion failed: `"+e)}function
i(r,a,i,v){function t(r,a){if(`string`===a){var e=Oe;return le.stackAlloc(r.length+1),A(r,e),e}return r}function
f(r,a){return`string`===a?s(r):r}try{func=ce.Module[`_`+r]}catch(r){}e(func,`Cannot call unknown function
`"+r+") (perhaps LLVM optimizations or closure removed it?`);var _=0,n=v?v.map(function(r){return
t(r,i_++)}):[];return f(func.apply(null,n),a)}function v(r,a,e){return function(){return
i(r,a,e,Array.prototype.slice.call(arguments))}}function t(r,e,i,v){switch(i=i||"i8","*"===i[i.length-
1]&&(i=`i32`),i){case`i1`:Ae[r]=e;break;case`i8`:Ae[r]=e;break;case`i16`:ye[r>>1]=e;break;case`i32`:Se[r
>>2]=e;break;case`i64`:Se[r>>2]=e;break;case`float`:Ce[r>>2]=e;break;case`double`:ze[0]=e,Se[r>>2]=xe[0],
Se[r+4>>2]=xe[1];break;default:a(`invalid type for setValue: `"+i)}function
f(r,e,i){switch(e=e||"i8","*"===e[e.length-1]&&(e=`i32`),e){case`i1`:return Ae[r];case`i8`:return
Ae[r];case`i16`:return ye[r>>1];case`i32`:return Se[r>>2];case`i64`:return Se[r>>2];case`float`:return
Ce[r>>2];case`double`:return xe[0]=Se[r>>2],xe[1]=Se[r+4>>2],ze[0];default:a(`invalid type for setValue:
`"+e)}return null}function _(r,a,e){var i,v;`number`===typeof r?(i=!0,v=r):(i=!1,v=r.length);var
f=`string`===typeof a?a:null,_=[Jr,le.stackAlloc,le.staticAlloc][void
0===e?we:e](Math.max(v,f?1:a.length));if(i)return Fa(_ ,0,v),_;for(var s,n=0;n<v;){var o=r[n];`function`===typeof
o&&(o=le.getFunctionIndex(o)),s=f||a[n],0!===s?("i64`===s&&(s=`i32`),t(_+n,o,s),n+=le.getNativeTypeSize(s)):n
++}return _}function s(r,a){for(var e,i=`undefined`===typeof
a,v=``,t=0,f=String.fromCharCode(0));{if(e=String.fromCharCode(ge[r+t]),i&&e===f)break;if(v+=e,t+=1,!i&&t=
=a)break}return v}function n(r){for(var a=``,e=0;e<r.length;e++)a+=String.fromCharCode(r[e]);return a}function
o(r){return r+4095>>12<<12}function l(){for(;Le<=Ie;Le=0(2*Le);var r=Ae,a=new ArrayBuffer(Le);Ae=new
Int8Array(a),ye=new Int16Array(a),Se=new Int32Array(a),ge=new Uint8Array(a),me=new
Uint16Array(a),Me=new Uint32Array(a),Ce=new Float32Array(a),Re=new Float64Array(a),Ae.set(r)}function

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b(r){for(;r.length>0;){var a=r.shift(),e=a.func;"number"==typeof e&&(e=pe[e]),e(void
0===a.arg?null:a.arg)}}function k(){b(Ve)}function u(){b(Be),be.print()}function c(r,a){return
Array.prototype.slice.call(Ae.subarray(r,r+a))}function h(r,a){for(var e=new
Uint8Array(a),i=0;i<a;++i)e[i]=Ae[r+i];return e.buffer}function d(r){for(var a=0;Ae[r+a];)a++;return a}function
w(r,a){var e=d(r);a&&e++;var i=c(r,e);return a&&(i[e-1]=0),i}function p(r,a){for(var e=[],i=0;i<r.length;){var
v=r.charCodeAtAt(i);v>255&&(v&=255),e.push(v),i+=1}return a||e.push(0),e}function E(r){for(var
a=[],e=0;e<r.length;e++){var i=r[e];i>255&&(i&=255),a.push(String.fromCharCode(i))}return a.join("\")}function
A(r,a,e){for(var i=0;i<r.length;){var
v=r.charCodeAtAt(i);v>255&&(v&=255),Ae[a+i]=v,i+=1}e||(Ae[a+i]=0)}function g(r,a,e,i){return
r>=0?r:a<=32?2*Math.abs(1<<a-1)+r:Math.pow(2,a)+r}function y(r,a,e,i){if(r<=0)return r;var
v=a<=32?Math.abs(1<<a-1):Math.pow(2,a-1);return r>=v&&(a<=32||r>v)&&(r=-2*v+r),r}function
m(r,a,e){if(0==(0|r)|0==(0|a)|0==(0|e))var i=0;else{Se[r>>2]=0,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var i;return
i}function S(r,a,e){if(0==(0|r)|(0|a)<0|0==(0|e))var i=0;else{Se[r>>2]=41,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var
i;return i}function M(r,a,e){if(0==(0|r)|0==(0|e))var i=0;else{Se[r>>2]=6,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var
i;return i}function C(r,a,e){if(0==(0|r)|0==(0|e))var i=0;else{Se[r>>2]=7,Se[r+4>>2]=a,Se[r+8>>2]=e;var i=1}var
i;return i}function R(r,a){var e,i=0==(0|a);do if(i)var v=0;else{var
e=(r+32|0)>>2,t=Se[e];if((0|t)>=(0|Se[r+36>>2])){var v=0;break}var f=(t<<2)+Se[r+28>>2]|0;Se[f>>2]=a;var
_=Se[e]+1|0;Se[e]=_;var v=1}while(0);var v;return v}function T(r,a){var
e,e=(r+12|0)>>2,i=Se[e],v=i+1|0;Se[e]=v;var t=Ae[i]<<24>>24==95;do if(t){var
f=i+2|0;if(Se[e]=f,Ae[v]<<24>>24!=90){var _=0;break}var s=O(r,a),_s} else var _=0;while(0);var _;return
_}function O(r,a){var e=r+12|0,i=Ae[Se[e>>2]];r:do if(i<<24>>24==71||i<<24>>24==84)var v=Tr(r),t=v;else{var
f=Ar(r),_=0==(0|f)|0==(0|a);do if(!_){if(0!=(1&Se[r+8>>2]|0))break;var s=Me[f>>2],n=(s-25|0)>>>0<3;a:do
if(n)for(var o=f;){var o,l=Me[o+4>>2],b=Me[l>>2];if((b-25|0)>>>0>=3){var k=l,u=b;break a}var o=l} else var
k=f,u=s;while(0);var u,k;if(2!=(0|u)){var t=k;break r}var c=k+8|0,h=Me[c>>2],d=(Se[h>>2]-25|0)>>>0<3;a:do
if(d)for(var w=h;){var w,p=Me[w+4>>2];if((Se[p>>2]-25|0)>>>0>=3){var E=p;break a}var w=p} else var
E=h;while(0);var E;Se[c>>2]=E;var t=k;break r}while(0);var
A=Ae[Se[e>>2]];if(A<<24>>24==0||A<<24>>24==69){var t=f;break}var
g=Or(f),y=Sr(r,g),m=D(r,3,f,y),t=m}while(0);var t;return t}function N(r){var a,e,i=Oe;Oe+=4;var
v=i,e=v>>2,a=(r+12|0)>>2,t=Me[a],f=Ae[t],_=f<<24>>24;r:do
if(f<<24>>24==114||f<<24>>24==86||f<<24>>24==75){var s=I(r,v,0);if(0==(0|s)){var n=0;break}var
o=N(r);Se[s>>2]=o;var l=Se[e],b=R(r,l);if(0==(0|b)){var n=0;break}var
n=Se[e]}else{do{if(97==(0|_)||98==(0|_)||99==(0|_)||100==(0|_)||101==(0|_)||102==(0|_)||103==(0|_)||104==(0|_)||10
5==(0|_)||106==(0|_)||108==(0|_)||109==(0|_)||110==(0|_)||111==(0|_)||115==(0|_)||116==(0|_)||118==(0|_)||119==(0
|_)||120==(0|_)||121==(0|_)||122==(0|_)){var k=ai+20*(_-97)|0,u=P(r,k);Se[e]=u;var
c=r+48|0,h=Se[c>>2]+Se[Se[u+4>>2]+4>>2]|0;Se[c>>2]=h;var d=Se[a]+1|0;Se[a]=d;var n=u;break
r}if(117==(0|_)){Se[a]=t+1|0;var w=L(r),p=D(r,34,w,0);Se[e]=p;var E=p} else if(70==(0|_)){var
A=F(r);Se[e]=A;var E=A} else
if(48==(0|_)||49==(0|_)||50==(0|_)||51==(0|_)||52==(0|_)||53==(0|_)||54==(0|_)||55==(0|_)||56==(0|_)||57==(0|_)||78=
=(0|_)||90==(0|_)){var g=X(r);Se[e]=g;var E=g} else if(65==(0|_)){var y=j(r);Se[e]=y;var E=y} else
if(77==(0|_)){var m=U(r);Se[e]=m;var E=m} else if(84==(0|_)){var
S=x(r);if(Se[e]=S,Ae[Se[a]]<<24>>24!=73){var E=S;break}var M=R(r,S);if(0==(0|M)){var n=0;break r}var
C=Se[e],T=z(r),O=D(r,4,C,T);Se[e]=O;var E=O} else if(83==(0|_)){var B=ge[t+1|0];if((B-
48&255&255)<10|B<<24>>24==95|(B-65&255&255)<26){var
H=V(r,0);if(Se[e]=H,Ae[Se[a]]<<24>>24!=73){var n=H;break r}var K=z(r),Y=D(r,4,H,K);Se[e]=Y;var
E=Y} else{var G=X(r);if(Se[e]=G,0==(0|G)){var E=0;break}if(21==(0|Se[G>>2])){var n=G;break r}var E=G} } else
if(80==(0|_)){Se[a]=t+1|0;var W=N(r),Z=D(r,29,W,0);Se[e]=Z;var E=Z} else if(82==(0|_)){Se[a]=t+1|0;var
Q=N(r),q=D(r,30,Q,0);Se[e]=q;var E=q} else if(67==(0|_)){Se[a]=t+1|0;var $=N(r),J=D(r,31,$,0);Se[e]=J;var
E=J} else if(71==(0|_)){Se[a]=t+1|0;var rr=N(r),ar=D(r,32,rr,0);Se[e]=ar;var E=ar} else{if(85!=(0|_)){var n=0;break

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r}Se[a]=t+1|0;var er=L(r);Se[e]=er;var ir=N(r),vr=Se[e],tr=D(r,28,ir,vr);Se[e]=tr;var E=tr } while(0);var
E,fr=R(r,E);if(0==(0|fr)){ var n=0;break } var n=Se[e]} while(0);var n;return Oe=i,n}function I(r,a,e){ for(var
i,v=r+12|0,t=0!==(0|e),f=t?25:22,i=(r+48|0)>>2, _=t?26:23,s=t?27:24,n=a;){ var
n,o=Se[v>>2],l=Ae[o];if(1<<24>>24!=114&&1<<24>>24!=86&&1<<24>>24!=75){ var b=n;break } var
k=o+1|0;if(Se[v>>2]=k,1<<24>>24==114){ var u=Se[i]+9|0;Se[i]=u;var c=f} else if(1<<24>>24==86){ var
h=Se[i]+9|0;Se[i]=h;var c=_} else { var d=Se[i]+6|0;Se[i]=d;var c=s } var
c,w=D(r,c,0,0);if(Se[n>>2]=w,0==(0|w)){ var b=0;break } var n=w+4|0 } var b;return b } function P(r,a){ var
e=0==(0|a);do if(e) var i=0; else { var v=J(r); if(0==(0|v)) { var i=0;break } Se[v>>2]=33,Se[v+4>>2]=a;var
i=v } while(0);var i;return i } function D(r,a,e,i){ var
v,t;do { if(1==(0|a)||2==(0|a)||3==(0|a)||4==(0|a)||10==(0|a)||28==(0|a)||37==(0|a)||43==(0|a)||44==(0|a)||45==(0|a)||46=
=(0|a)||47==(0|a)||48==(0|a)||49==(0|a)||50==(0|a)) { if(0==(0|e)|0==(0|i)) { var
f=0;t=7;break } t=5;break } if(8==(0|a)||9==(0|a)||11==(0|a)||12==(0|a)||13==(0|a)||14==(0|a)||15==(0|a)||16==(0|a)||17=
=(0|a)||18==(0|a)||19==(0|a)||20==(0|a)||29==(0|a)||30==(0|a)||31==(0|a)||32==(0|a)||34==(0|a)||38==(0|a)||39==(0|a)||4
2==(0|a)) { if(0==(0|e)) { var f=0;t=7;break } t=5;break } if(36==(0|a)) { if(0==(0|i)) { var
f=0;t=7;break } t=5;break } if(35==(0|a)||22==(0|a)||23==(0|a)||24==(0|a)||25==(0|a)||26==(0|a)||27==(0|a)) t=5; else { var
f=0;t=7 } } while(0);do if(5==t) { var _=J(r),v=_>>2; if(0==(0|_)) { var f=0;break } Se[v]=a,Se[v+1]=e,Se[v+2]=i;var
f=_ } while(0);var f;return f } function L(r){ var a=sr(r); if((0|a)<1) var e=0; else { var i=Rr(r,a); Se[r+44>>2]=i;var
e=i } var e;return e } function F(r){ var
a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;if(Se[a]=i,Ae[e]<<24>>24==70){ if(Ae[i]<<24>>24==89){ var
v=e+2|0;Se[a]=v } var t=Sr(r,1),f=Se[a],_f=f+1|0;Se[a]=_; var s=Ae[f]<<24>>24==69?t:0,n=s } else var n=0;var
n;return n } function X(r){ var a=Ar(r);return a } function j(r){ var a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var
v=Ae[e]<<24>>24==65;do if(v) { var t=Ae[i]; if(t<<24>>24==95) var f=0; else if((t-48&255&255)<10){ for(var
_=:;){ var _,s=_+1|0;if(Se[a]=s,(Ae[s]-48&255&255)>=10) break;var _=s } var n=s-i|0,o=lr(r,i,n); if(0==(0|o)) { var
l=0;break } var f=o } else { var b=nr(r); if(0==(0|b)) { var l=0;break } var f=b } var
f,k=Se[a],u=k+1|0;if(Se[a]=u,Ae[k]<<24>>24!=95){ var l=0;break } var c=N(r),h=D(r,36,f,c),l=h } else var
l=0;while(0);var l;return l } function U(r){ var a=Oe;Oe+=4;var e=a,i=r+12|0,v=Se[i>>2],t=v+1|0;Se[i>>2]=t;var
f=Ae[v]<<24>>24==77;r:do if(f) { var _=N(r),s=I(r,e,1); if(0==(0|s)) { var n=0;break } var o=N(r); Se[s>>2]=o;var
l=(0|s)==(0|e);do if(!l) { if(35==(0|Se[o>>2])) break;var b=Se[e>>2],k=R(r,b); if(0==(0|k)) { var n=0;break
r } } while(0);var u=Se[e>>2],c=D(r,37,_,u),n=c } else var n=0;while(0);var n;return Oe=a,n } function x(r){ var
a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var v=Ae[e]<<24>>24==84;do if(v) { if(Ae[i]<<24>>24==95) var
t=0,f=i; else { var _=sr(r); if((0|_)<0) { var s=0;break } var t=_+1|0,f=Se[a] } var
f,t;if(Se[a]=f+1|0,Ae[f]<<24>>24!=95){ var s=0;break } var n=r+40|0,o=Se[n>>2]+1|0;Se[n>>2]=o;var
l=Er(r,t),s=1 } else var s=0;while(0);var s;return s } function z(r){ var a,e=Oe;Oe+=4;var
i=e,v=r+44|0,t=Se[v>>2],a=(r+12|0)>>2,f=Se[a],_f=f+1|0;Se[a]=_; var s=Ae[f]<<24>>24==73;r:do
if(s) { Se[i>>2]=0;for(var n=:;){ var n,o=_r(r); if(0==(0|o)) { var l=0;break r } var
b=D(r,39,o,0); if(Se[n>>2]=b,0==(0|b)) { var l=0;break r } var k=Se[a]; if(Ae[k]<<24>>24==69) break;var n=b+8|0 } var
u=k+1|0;Se[a]=u,Se[v>>2]=t;var l=Se[i>>2] } else var l=0;while(0);var l;return Oe=e,l } function V(r,a){ var
e,e=(r+12|0)>>2,i=Se[e],v=i+1|0;Se[e]=v;var t=Ae[i]<<24>>24==83;r:do if(t) { var f=i+2|0;Se[e]=f;var
_ =ge[v]; if(_<<24>>24==95) var s=0; else { if(!((_ -48&255&255)<10|(_ -65&255&255)<26)) { var
n=8&&Se[r+8>>2],o=n>>3,l=0!==(0|n)|0==(0|a);do if(l) var b=o; else { if((Ae[f]-67&255&255)>=2) { var
b=o;break } var b=1 } } while(0);for(var b,k=0|ei;){ var k;if(k>>>0>=(ei+196|0)>>>0) { var u=0;break
r } if(_<<24>>24==Ae[0|k]<<24>>24) break;var k=k+28|0 } var c=Se[k+20>>2]; if(0!==(0|c)) { var
h=Se[k+24>>2],d=fr(r,c,h); Se[r+44>>2]=d } if(0==(0|b)) var w=k+8|0,p=k+4|0; else var w=k+16|0,p=k+12|0;var
p,w,E=Se[w>>2],A=Se[p>>2],g=r+48|0,y=Se[g>>2]+E|0;Se[g>>2]=y;var m=fr(r,A,E),u=m; break } for(var
S=_M=0,C=f;){ var C,M,S;if((S-48&255&255)<10) var R=36*M-48|0; else { if((S-65&255&255)>=26) { var
u=0;break r } var R=36*M-55|0 } var R,T=(S<<24>>24)+R|0; if((0|T)<0) { var u=0;break r } var O=C+1|0;Se[e]=O;var
N=ge[C]; if(N<<24>>24==95) break;var S=N,M=T,C=O } var s=T+1|0 } var s; if((0|s)>=(0|Se[r+32>>2])) { var
u=0;break } var I=r+40|0,P=Se[I>>2]+1|0;Se[I>>2]=P;var u=Se[Se[r+28>>2]+(s<<2)>>2] } else var u=0;while(0);var

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u;return u}function B(r,a,e,i){var v,t,f,_,s=Oe;Oe+=28;var n,o=s,_=o>>2;Se[_]=r;var
l=e+1|0,f=(o+12|0)>>2;Se[f]=1;var b=Jr(l),t=(o+4|0)>>2;if(Se[t]=b,0==(0|b))var k=0,u=1;else{var
v=(o+8|0)>>2;Se[v]=0,Se[_+4]=0,Se[_+5]=0;var c=o+24|0;Se[c>>2]=0,H(o,a);var
h=Me[t],d=0==(0|h);do{if(!d){var
w=Me[v];if(w>>>0>=Me[f]>>>0){n=5;break}Se[v]=w+1|0,Ae[h+w|0]=0,n=6;break}n=5}while(0);5==n&&Y(o,0)
;var p=Se[t],E=0==(0|p)?Se[c>>2]:Se[f],k=p,u=E}var u,k;return Se[i>>2]=u,Oe=s,k}function H(r,a){var
e,i,v,t,f,_,s,n,o,l,b,k,u,c,h,d,w,p,E,A,g,y,m,S,M,C,R,T,O,N,I,P,D,L,F,X,j,U,x,z,V,B,K,G,W,J,vr,tr,fr,_r,sr,nr,or,lr,br,k
r,ur,cr,hr,dr,wr,pr=a>>2,Er=r>>2,Ar=Oe;Oe+=184;var
gr,yr=Ar,wr=yr>>2,mr=Ar+64,dr=mr>>2,Sr=Ar+72,Mr=Ar+88,Cr=Ar+104,hr=Cr>>2,Rr=Ar+168,Tr=0==(0|a);r:d
o if(Tr)Z(r);else{var cr=(r+4|0)>>2,Or=Me[cr];if(0==(0|Or))break;var
Nr=0|a,Ir=Me[Nr>>2];a:do{if(0==(0|Ir)){if(0!=(4&Se[Er|0])}{var Pr=Se[pr+1],Dr=Se[pr+2];q(r,Pr,Dr);break r}var
ur=(r+8|0)>>2,Lr=Me[ur],Fr=a+8|0,Xr=Me[Fr>>2];if((Xr+Lr|0)>>>0>Me[Er+3]>>>0){var
jr=Se[pr+1];Q(r,jr,Xr);break r}var Ur=Or+Lr|0,xr=Se[pr+1];Pa(Ur,xr,Xr,1);var
zr=Se[ur]+Se[Fr>>2]|0;Se[ur]=zr;break r}if(1==(0|Ir)||2==(0|Ir)){var Vr=Se[pr+1];H(r,Vr);var
Br=0==(4&Se[Er|0]),Hr=Me[cr],Kr=0!=(0|Hr);e:do if(Br){do if(Kr){var
kr=(r+8|0)>>2,Yr=Me[kr];if((Yr+2|0)>>>0>Me[Er+3]>>>0)break;var
Gr=Hr+Yr|0;oe=14906,Ae[Gr]=255&oe,oe>>>8,Ae[Gr+1]=255&oe;var Wr=Se[kr]+2|0;Se[kr]=Wr;break
e}while(0);Q(r,0|He.__str120,2)}else{do if(Kr){var
Zr=r+8|0,Qr=Me[Zr>>2];if(Qr>>>0>=Me[Er+3]>>>0)break;Se[Zr>>2]=Qr+1|0,Ae[Hr+Qr|0]=46;break
e}while(0);Y(r,46)}while(0);var qr=Se[pr+2];H(r,qr);break r}if(3==(0|Ir)){for(var
br=(r+20|0)>>2,$r=Me[br],lr=(r+16|0)>>2,Jr=a,ra=0,aa=$r;){var aa,ra,Jr,ea=Me[Jr+4>>2];if(0==(0|ea)){var
ia=ra,va=0;gr=33;break}if(ra>>>0>3){Z(r);break r}var
ta=(ra<<4)+yr|0;Se[ta>>2]=aa,Se[br]=ta,Se[((ra<<4)+4>>2)+wr]=ea,Se[((ra<<4)+8>>2)+wr]=0;var
fa=Me[lr];Se[((ra<<4)+12>>2)+wr]=fa;var _a=ra+1|0,sa=0|ea,na=Me[sa>>2];if((na-
25|0)>>>0>=3){gr=25;break}var Jr=ea,ra=_a,aa=ta}e:do
if(25==gr){if(4==(0|na)){Se[dr]=fa,Se[lr]=mr,Se[dr+1]=ea;var oa=Se[sa>>2],la=mr}else var oa=na,la=fa;var
la,oa;if(2!=(0|oa)){var ia=_a,va=sa;break}for(var ba=_a,ka=ea+8|0;){var ka,ba,ua=Me[ka>>2];if((Se[ua>>2]-
25|0)>>>0>=3){var ia=ba,va=sa;break e}if(ba>>>0>3)break;var ca=(ba<<4)+yr|0,ha=ba-
1|0,da=(ha<<4)+yr|0,or=ca>>2,nr=da>>2;Se[or]=Se[nr],Se[or+1]=Se[nr+1],Se[or+2]=Se[nr+2],Se[or+3]=Se[nr+3],
Se[ca>>2]=da,Se[br]=ca,Se[((ha<<4)+4>>2)+wr]=ua,Se[((ha<<4)+8>>2)+wr]=0,Se[((ha<<4)+12>>2)+wr]=la;var
ba=ba+1|0,ka=ua+4|0)Z(r);break r}while(0);var va,ia,wa=Se[pr+2];if(H(r,wa),4==(0|Se[va>>2])){var
pa=Se[dr];Se[lr]=pa}var Ea=0==(0|ia);e:do if(!Ea)for(var Aa=r+8|0,ga=r+12|0,ya=ia;){var ya,ma=ya-
1|0;if(0==(0|Se[((ma<<4)+8>>2)+wr])){var Sa=Me[cr],Ma=0==(0|Sa);do{if(!Ma){var
Ca=Me[Aa>>2];if(Ca>>>0>=Me[ga>>2]>>>0){gr=41;break}Se[Aa>>2]=Ca+1|0,Ae[Sa+Ca|0]=32,gr=42;break}gr
=41}while(0);41==gr&&Y(r,32);var Ra=Se[((ma<<4)+4>>2)+wr];$(r,Ra)}if(0==(0|ma))break e;var
ya=ma}while(0);Se[br]=$r;break r}if(4==(0|Ir)){var sr=(r+20|0)>>2,Ta=Se[sr];Se[sr]=0;var
Oa=Se[pr+1];H(r,Oa);var Na=Me[cr],Ia=0==(0|Na);do{if(!Ia){var _r=(r+8|0)>>2,Da=Me[_r],La=0==(0|Da);do
if(!La){if(Ae[Na+(Da-
1)|0]<<24>>24!=60)break;Da>>>0<Me[Er+3]>>>0?(Se[_r]=Da+1|0,Ae[Na+Da|0]=32):Y(r,32)}while(0);var
Fa=Me[cr];if(0==(0|Fa)){gr=54;break}var
Xa=Me[_r];if(Xa>>>0>=Me[Er+3]>>>0){gr=54;break}Se[_r]=Xa+1|0,Ae[Fa+Xa|0]=60,gr=55;break}gr=54}while(
0);54==gr&&Y(r,60);var ja=Se[pr+2];H(r,ja);var Ua=Me[cr],xa=0==(0|Ua);do{if(!xa){var
fr=(r+8|0)>>2,za=Me[fr],Va=0==(0|za);do if(!Va){if(Ae[Ua+(za-
1)|0]<<24>>24!=62)break;za>>>0<Me[Er+3]>>>0?(Se[fr]=za+1|0,Ae[Ua+za|0]=32):Y(r,32)}while(0);var
Ba=Me[cr];if(0==(0|Ba)){gr=64;break}var
Ha=Me[fr];if(Ha>>>0>=Me[Er+3]>>>0){gr=64;break}Se[fr]=Ha+1|0,Ae[Ba+Ha|0]=62,gr=65;break}gr=64}while(
0);64==gr&&Y(r,62),Se[sr]=Ta;break r}if(5==(0|Ir)){var tr=(r+16|0)>>2,Ka=Me[tr];if(0==(0|Ka)){Z(r);break
r}for(var Ya=Se[pr+1],Ga=Se[Ka+4>>2];){var

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Ga, Ya, Wa=Se[Ga+8>>2];if(0==(0|Wa))break;if(39!=(0|Se[Wa>>2])){Z(r);break
r}if((0|Ya)<1){if(0!=(0|Ya))break;var Za=Se[Ka>>2];Se[tr]=Za;var Qa=Se[Wa+4>>2];H(r,Qa),Se[tr]=Ka;break
r}var Ya=Ya-1|0,Ga=Wa}Z(r);break r}if(6==(0|Ir)){var qa=Se[pr+2];H(r,qa);break r}if(7==(0|Ir)){var
$a=r+8|0,Ja=Me[$a>>2];Ja>>>0<Me[Er+3]>>>0?(Se[$a>>2]=Ja+1|0,Ae[Or+Ja|0]=126):Y(r,126);var
re=Se[pr+2];H(r,re);break r}if(8==(0|Ir)){var
vr=(r+8|0)>>2,ae=Me[vr];if((ae+11|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str121,11);else{for(var
ee=Or+ae|0,ie=0|He.__str121,ve=ee,te=ie+11;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var fe=Se[vr]+11|0;Se[vr]=fe}var
_e=Se[pr+1];H(r,_e);break r}if(9==(0|Ir)){var
J=(r+8|0)>>2,se=Me[J];if((se+8|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str122,8);else{var
ne=Or+se|0,le=0|ne;oe=542397526,Ae[le]=255&oe,oe>>=8,Ae[le+1]=255&oe,oe>>=8,Ae[le+2]=255&oe,oe>>=8,
Ae[le+3]=255&oe;var
be=ne+4|0;oe=544370534,Ae[be]=255&oe,oe>>=8,Ae[be+1]=255&oe,oe>>=8,Ae[be+2]=255&oe,oe>>=8,Ae[be+
3]=255&oe;var ke=Se[J+8|0;Se[J]=ke}var ue=Se[pr+1];H(r,ue);break r}if(10==(0|Ir)){var
W=(r+8|0)>>2,ce=Me[W],he=r+12|0;if((ce+24|0)>>>0>Me[he>>2]>>>0)Q(r,0|He.__str123,24);else{var
de=Or+ce|0;Pa(de,0|He.__str123,24,1);var we=Se[W]+24|0;Se[W]=we}var pe=Se[pr+1];H(r,pe);var
Ee=Me[cr],ge=0==(0|Ee);do{if(!ge){var ye=Me[W];if((ye+4|0)>>>0>Me[he>>2]>>>0){gr=96;break}var
me=Ee+ye|0;oe=762210605,Ae[me]=255&oe,oe>>=8,Ae[me+1]=255&oe,oe>>=8,Ae[me+2]=255&oe,oe>>=8,Ae[
me+3]=255&oe;var Ce=Se[W]+4|0;Se[W]=Ce,gr=97;break}gr=96}while(0);96==gr&&Q(r,0|He.__str124,4);var
Re=Se[pr+2];H(r,Re);break r}if(11==(0|Ir)){var
G=(r+8|0)>>2,Te=Me[G];if((Te+13|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str125,13);else{for(var
Ne=Or+Te|0,ie=0|He.__str125,ve=Ne,te=ie+13;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var Ie=Se[G]+13|0;Se[G]=Ie}var
Pe=Se[pr+1];H(r,Pe);break r}if(12==(0|Ir)){var
K=(r+8|0)>>2,De=Me[K];if((De+18|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str126,18);else{for(var
Le=Or+De|0,ie=0|He.__str126,ve=Le,te=ie+18;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var Fe=Se[K]+18|0;Se[K]=Fe}var
Xe=Se[pr+1];H(r,Xe);break r}if(13==(0|Ir)){var
B=(r+8|0)>>2,je=Me[B];if((je+16|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str127,16);else{for(var
Ue=Or+je|0,ie=0|He.__str127,ve=Ue,te=ie+16;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var xe=Se[B]+16|0;Se[B]=xe}var
ze=Se[pr+1];H(r,ze);break r}if(14==(0|Ir)){var
V=(r+8|0)>>2,Ve=Me[V];if((Ve+21|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str128,21);else{var
Be=Or+Ve|0;Pa(Be,0|He.__str128,21,1);var Ke=Se[V]+21|0;Se[V]=Ke}var Ye=Se[pr+1];H(r,Ye);break
r}if(15==(0|Ir)){var z=(r+8|0)>>2,Ge=Me[z];if((Ge+17|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str129,17);else{for(var
We=Or+Ge|0,ie=0|He.__str129,ve=We,te=ie+17;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var Ze=Se[z]+17|0;Se[z]=Ze}var
Qe=Se[pr+1];H(r,Qe);break r}if(16==(0|Ir)){var
x=(r+8|0)>>2,qe=Me[x];if((qe+26|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str130,26);else{var
$e=Or+qe|0;Pa($e,0|He.__str130,26,1);var Je=Se[x]+26|0;Se[x]=Je}var ri=Se[pr+1];H(r,ri);break
r}if(17==(0|Ir)){var U=(r+8|0)>>2,ai=Me[U];if((ai+15|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str131,15);else{for(var
ei=Or+ai|0,ie=0|He.__str131,ve=ei,te=ie+15;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var ii=Se[U]+15|0;Se[U]=ii}var
vi=Se[pr+1];H(r,vi);break r}if(18==(0|Ir)){var
j=(r+8|0)>>2,ti=Me[j];if((ti+19|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str132,19);else{for(var
fi=Or+ti|0,ie=0|He.__str132,ve=fi,te=ie+19;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var _i=Se[j]+19|0;Se[j]=_i}var
si=Se[pr+1];H(r,si);break r}if(19==(0|Ir)){var
X=(r+8|0)>>2,ni=Me[X];if((ni+24|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str133,24);else{var
oi=Or+ni|0;Pa(oi,0|He.__str133,24,1);var li=Se[X]+24|0;Se[X]=li}var bi=Se[pr+1];H(r,bi);break
r}if(20==(0|Ir)){var F=(r+8|0)>>2,ki=Me[F];if((ki+17|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str134,17);else{for(var
ui=Or+ki|0,ie=0|He.__str134,ve=ui,te=ie+17;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var ci=Se[F]+17|0;Se[F]=ci}var
hi=Se[pr+1];H(r,hi);break r}if(21==(0|Ir)){var
L=(r+8|0)>>2,di=Me[L],wi=a+8|0,pi=Me[wi>>2];if((pi+di|0)>>>0>Me[Er+3]>>>0){var
Ei=Se[pr+1];Q(r,Ei,pi);break r}var Ai=Or+di|0,gi=Se[pr+1];Pa(Ai,gi,pi,1);var

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yi=Se[L]+Se[wi>>2]|0;Se[L]=yi;break r}if(22==(0|Ir)||23==(0|Ir)||24==(0|Ir)){for(var mi=r+20|0;){var
mi,Si=Me[mi>>2];if(0==(0|Si))break a;if(0==(0|Se[Si+8>>2])){var Mi=Me[Se[Si+4>>2]>>2];if((Mi-
22|0)>>>0>=3)break a;if((0|Mi)==(0|Ir))break }var mi=0|Si }var Ci=Se[pr+1];H(r,Ci);break
r}if(25!=(0|Ir)&&26!=(0|Ir)&&27!=(0|Ir)&&28!=(0|Ir)&&29!=(0|Ir)&&30!=(0|Ir)&&31!=(0|Ir)&&32!=(0|Ir)){if(3
3==(0|Ir)){var D=(r+8|0)>>2,Ri=Me[D],P=(a+4|0)>>2,I=Me[P]>>2;if(0==(4&Se[Er]|0)){var
Ti=Me[I+1];if((Ti+Ri|0)>>>0>Me[Er+3]>>>0){var Oi=Se[I];Q(r,Oi,Ti);break r }var
Ni=Or+Ri|0,Ii=Se[I];Pa(Ni,Ii,Ti,1);var Pi=Se[D]+Se[Se[P]+4>>2]|0;Se[D]=Pi;break r }var
Di=Me[I+3];if((Di+Ri|0)>>>0>Me[Er+3]>>>0){var Li=Se[I+2];Q(r,Li,Di);break r }var
Fi=Or+Ri|0,Xi=Se[I+2];Pa(Fi,Xi,Di,1);var ji=Se[D]+Se[Se[P]+12>>2]|0;Se[D]=ji;break r }if(34==(0|Ir)){var
Ui=Se[pr+1];H(r,Ui);break r }if(35==(0|Ir)){var N=(0|r)>>2;if(0!=(32&Se[N]|0)){var xi=Se[Er+5];rr(r,a,xi) }var
zi=a+4|0,Vi=0==(0|Se[zi>>2]);e:do if(!Vi){var
O=(r+20|0)>>2,Bi=Se[O],Hi=0|Mr;Se[Hi>>2]=Bi,Se[O]=Mr,Se[Mr+4>>2]=a;var Ki=Mr+8|0;Se[Ki>>2]=0;var
Yi=Se[Er+4];Se[Mr+12>>2]=Yi;var Gi=Se[zi>>2];H(r,Gi);var
Wi=Se[Hi>>2];if(Se[O]=Wi,0!=(0|Se[Ki>>2]))break r;if(0!=(32&Se[N]|0))break;var Zi=Me[cr],Qi=0==(0|Zi);do
if(!Qi){var qi=r+8|0,$i=Me[qi>>2];if($i>>>0>=Me[Er+3]>>>0)break;Se[qi>>2]=$i+1|0,Ae[Zi+$i|0]=32;break
e }while(0);Y(r,32) }while(0);if(0!=(32&Se[N]|0))break r;var Ji=Se[Er+5];rr(r,a,Ji);break r }if(36==(0|Ir)){var
T=(r+20|0)>>2,rv=Me[T],av=0|Cr;Se[hr]=rv,Se[T]=av,Se[hr+1]=a;var ev=Cr+8|0;Se[ev>>2]=0;var
iv=Se[Er+4];Se[hr+3]=iv;for(var vv=rv,tv=1;){var tv,vv;if(0==(0|vv))break;if((Se[Se[vv+4>>2]>>2]-
22|0)>>>0>=3)break;var fv=vv+8|0;if(0==(0|Se[fv>>2])){if(tv>>>0>3){Z(r);break r }var
_v=(tv<<4)+Cr|0,R=_v>>2,C=vv>>2;Se[R]=Se[C],Se[R+1]=Se[C+1],Se[R+2]=Se[C+2],Se[R+3]=Se[C+3];var
sv=Se[T];Se[_v>>2]=sv,Se[T]=_v,Se[fv>>2]=1;var nv=tv+1|0} else var nv=tv;var nv,vv=Se[vv>>2],tv=nv }var
ov=Se[pr+2];if(H(r,ov),Se[T]=rv,0!=(0|Se[ev>>2]))break r;if(tv>>>0>1){for(var lv=tv;){var lv,bv=lv-
1|0,kv=Se[((bv<<4)+4>>2)+hr];if($r(kv),bv>>>0<=1)break;var lv=bv }var uv=Se[T]} else var uv=rv;var
uv;ar(r,a,uv);break r }if(37==(0|Ir)){var
M=(r+20|0)>>2,cv=Se[M],hv=0|Rr;Se[hv>>2]=cv,Se[M]=Rr,Se[Rr+4>>2]=a;var dv=Rr+8|0;Se[dv>>2]=0;var
wv=Se[Er+4];Se[Rr+12>>2]=wv;var pv=a+4|0,Ev=Se[pr+2];H(r,Ev);var Av=0==(0|Se[dv>>2]);e:do if(Av){var
gv=Me[cr],yv=0==(0|gv);do {if(!yv){var
mv=r+8|0,Sv=Me[mv>>2];if(Sv>>>0>=Me[Er+3]>>>0){gr=187;break }Se[mv>>2]=Sv+1|0,Ae[gv+Sv|0]=32,gr=18
8;break }gr=187 }while(0);187==gr&&Y(r,32);var Mv=Se[pv>>2];H(r,Mv);var Cv=Me[cr],Rv=0==(0|Cv);do
if(!Rv){var S=(r+8|0)>>2,Tv=Me[S];if((Tv+3|0)>>>0>Me[Er+3]>>>0)break;var
Ov=Cv+Tv|0;Ae[Ov]=Ae[0|He.__str135],Ae[Ov+1]=Ae[(0|He.__str135)+1],Ae[Ov+2]=Ae[(0|He.__str135)+2];var
Nv=Se[S]+3|0;Se[S]=Nv;break e }while(0);Q(r,0|He.__str135,3) }while(0);var Iv=Se[hv>>2];Se[M]=Iv;break
r }if(38==(0|Ir)||39==(0|Ir)){var Pv=Se[pr+1];H(r,Pv);var Dv=a+8|0;if(0==(0|Se[Dv>>2]))break r;var
Lv=Me[cr],Fv=0==(0|Lv);do {if(!Fv){var
m=(r+8|0)>>2,Xv=Me[m];if((Xv+2|0)>>>0>Me[Er+3]>>>0){gr=197;break }var
jv=Lv+Xv|0;oe=8236,Ae[jv]=255&oe,oe>>=8,Ae[jv+1]=255&oe;var
Uv=Se[m]+2|0;Se[m]=Uv,gr=198;break }gr=197 }while(0);197==gr&&Q(r,0|He.__str136,2);var
xv=Se[Dv>>2];H(r,xv);break r }if(40==(0|Ir)){var
y=(r+8|0)>>2,zv=Me[y],g=(r+12|0)>>2;if((zv+8|0)>>>0>Me[g]>>>0)Q(r,0|He.__str137,8);else {var
Vv=Or+zv|0,le=0|Vv;oe=1919250543,Ae[le]=255&oe,oe>>=8,Ae[le+1]=255&oe,oe>>=8,Ae[le+2]=255&oe,oe>>
=8,Ae[le+3]=255&oe;var
be=Vv+4|0;oe=1919906913,Ae[be]=255&oe,oe>>=8,Ae[be+1]=255&oe,oe>>=8,Ae[be+2]=255&oe,oe>>=8,Ae[be
+3]=255&oe;var Bv=Se[y]+8|0;Se[y]=Bv }var A=(a+4|0)>>2,Hv=(Ae[Se[Se[A]+4>>2]]-97&255&255)<26;e:do
if(Hv){var Kv=Me[cr],Yv=0==(0|Kv);do if(!Yv){var
Gv=Me[y];if(Gv>>>0>=Me[g]>>>0)break;Se[y]=Gv+1|0,Ae[Kv+Gv|0]=32;break e }while(0);Y(r,32) }while(0);var
Wv=Me[cr],Zv=0==(0|Wv);do {if(!Zv){var
Qv=Me[y],qv=Me[A],$v=Me[qv+8>>2];if((($v+Qv|0)>>>0>Me[g]>>>0){var Jv=qv,rt=$v;break }var
at=Wv+Qv|0,et=Se[qv+4>>2];Pa(at,et,$v,1);var it=Se[y]+Se[Se[A]+8>>2]|0;Se[y]=it;break r }var

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vt=Me[A],Jv=vt,rt=Se[vt+8>>2]}while(0);var rt,Jv,tt=Se[Jv+4>>2];Q(r,tt,rt);break r}if(41==(0|Ir)){var
E=(r+8|0)>>2,ft=Me[E];if((ft+9|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str10180,9);else{for(var
_t=Or+ft|0,ie=0|He.__str10180,ve=_t,te=ie+9;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var st=Se[E]+9|0;Se[E]=st}var
nt=Se[pr+2];H(r,nt);break r}if(42==(0|Ir)){var
p=(r+8|0)>>2,ot=Me[p];if((ot+9|0)>>>0>Me[Er+3]>>>0)Q(r,0|He.__str10180,9);else{for(var
lt=Or+ot|0,ie=0|He.__str10180,ve=lt,te=ie+9;ie<te;ie++,ve++)Ae[ve]=Ae[ie];var
bt=Se[p]+9|0;Se[p]=bt}er(r,a);break r}if(43==(0|Ir)){var kt=a+4|0,ut=Se[kt>>2],ct=42==(0|Se[ut>>2]);e:do
if(ct){var w=(r+8|0)>>2,ht=Me[w],dt=r+12|0;ht>>>0<Me[dt>>2]>>>0?(Se[w]=ht+1|0,Ae[Or+ht|0]=40):Y(r,40);var
wt=Se[kt>>2];er(r,wt);var pt=Me[cr],Et=0==(0|pt);do if(!Et){var
At=Me[w];if(At>>>0>=Me[dt>>2]>>>0)break;Se[w]=At+1|0,Ae[pt+At|0]=41;break e}while(0);Y(r,41)}else
ir(r,ut);while(0);var gt=Me[cr],yt=0==(0|gt);do{if(!yt){var
mt=r+8|0,St=Me[mt>>2];if(St>>>0>=Me[Er+3]>>>0){gr=232;break}Se[mt>>2]=St+1|0,Ae[gt+St|0]=40,gr=233;br
eak}gr=232}while(0);232==gr&&Y(r,40);var Mt=Se[pr+2];H(r,Mt);var Ct=Me[cr],Rt=0==(0|Ct);do if(!Rt){var
Tt=r+8|0,Ot=Me[Tt>>2];if(Ot>>>0>=Me[Er+3]>>>0)break;Se[Tt>>2]=Ot+1|0,Ae[Ct+Ot|0]=41;break
r}while(0);Y(r,41);break r}if(44==(0|Ir)){var d=(a+8|0)>>2;if(45==(0|Se[Se[d]>>2])){var
h=(a+4|0)>>2,Nt=Se[h],It=40==(0|Se[Nt>>2]);do if(It){var
Pt=Se[Nt+4>>2];if(1!=(0|Se[Pt+8>>2]))break;if(Ae[Se[Pt+4>>2]]<<24>>24!=62)break;var
Dt=r+8|0,Lt=Me[Dt>>2];Lt>>>0<Me[Er+3]>>>0?(Se[Dt>>2]=Lt+1|0,Ae[Or+Lt|0]=40):Y(r,40)}while(0);var
Ft=Me[cr],Xt=0==(0|Ft);do{if(!Xt){var
jt=r+8|0,Ut=Me[jt>>2];if(Ut>>>0>=Me[Er+3]>>>0){gr=248;break}Se[jt>>2]=Ut+1|0,Ae[Ft+Ut|0]=40,gr=249;bre
ak}gr=248}while(0);248==gr&&Y(r,40);var xt=Se[Se[d]+4>>2];H(r,xt);var zt=Me[cr],Vt=0==(0|zt);do{if(!Vt){var
c=(r+8|0)>>2,Bt=Me[c];if((Bt+2|0)>>>0>Me[Er+3]>>>0){gr=252;break}var
Ht=zt+Bt|0;oe=8233,Ae[Ht]=255&oe,oe>>=8,Ae[Ht+1]=255&oe;var
Kt=Se[c]+2|0;Se[c]=Kt,gr=253;break}gr=252}while(0);252==gr&&Q(r,0|He.__str139,2);var Yt=Se[h];ir(r,Yt);var
Gt=Me[cr],Wt=0==(0|Gt);do{if(!Wt){var
u=(r+8|0)>>2,Zt=Me[u];if((Zt+2|0)>>>0>Me[Er+3]>>>0){gr=256;break}var
Qt=Gt+Zt|0;oe=10272,Ae[Qt]=255&oe,oe>>=8,Ae[Qt+1]=255&oe;var
qt=Se[u]+2|0;Se[u]=qt,gr=257;break}gr=256}while(0);256==gr&&Q(r,0|He.__str140,2);var
$t=Se[Se[d]+8>>2];H(r,$t);var Jt=Me[cr],rf=0==(0|Jt);do{if(!rf){var
af=r+8|0,ef=Me[af>>2];if(ef>>>0>=Me[Er+3]>>>0){gr=260;break}Se[af>>2]=ef+1|0,Ae[Jt+ef|0]=41,gr=261;bre
ak}gr=260}while(0);260==gr&&Y(r,41);var vf=Se[h];if(40!=(0|Se[vf>>2]))break r;var
tf=Se[vf+4>>2];if(1!=(0|Se[tf+8>>2]))break r;if(Ae[Se[tf+4>>2]]<<24>>24!=62)break r;var
ff=Me[cr],_f=0==(0|ff);do if(!_f){var
sf=r+8|0,nf=Me[sf>>2];if(nf>>>0>=Me[Er+3]>>>0)break;Se[sf>>2]=nf+1|0,Ae[ff+nf|0]=41;break
r}while(0);Y(r,41);break r}Z(r);break r}if(45==(0|Ir)){Z(r);break r}if(46==(0|Ir)){var
of=a+4|0,k=(a+8|0)>>2,lf=Se[k],bf=47==(0|Se[lf>>2]);do if(bf){if(48!=(0|Se[Se[lf+8>>2]>>2]))break;var
b=(r+8|0)>>2,kf=Me[b],l=(r+12|0)>>2;kf>>>0<Me[l]>>>0?(Se[b]=kf+1|0,Ae[Or+kf|0]=40):Y(r,40);var
uf=Se[Se[k]+4>>2];H(r,uf);var cf=Me[cr],hf=0==(0|cf);do{if(!hf){var
df=Me[b];if((df+2|0)>>>0>Me[l]>>>0){gr=278;break}var
wf=cf+df|0;oe=8233,Ae[wf]=255&oe,oe>>=8,Ae[wf+1]=255&oe;var
pf=Se[b]+2|0;Se[b]=pf,gr=279;break}gr=278}while(0);278==gr&&Q(r,0|He.__str139,2);var
Ef=Se[of>>2];ir(r,Ef);var Af=Me[cr],gf=0==(0|Af);do{if(!gf){var
yf=Me[b];if((yf+2|0)>>>0>Me[l]>>>0){gr=282;break}var
mf=Af+yf|0;oe=10272,Ae[mf]=255&oe,oe>>=8,Ae[mf+1]=255&oe;var
Sf=Se[b]+2|0;Se[b]=Sf,gr=283;break}gr=282}while(0);282==gr&&Q(r,0|He.__str140,2);var
Mf=Se[Se[Se[k]+8>>2]+4>>2];H(r,Mf);var Cf=Me[cr],Rf=0==(0|Cf);do{if(!Rf){var
Tf=Me[b];if((Tf+5|0)>>>0>Me[l]>>>0){gr=286;break}var
Of=Cf+Tf|0;Ae[Of]=Ae[0|He.__str141],Ae[Of+1]=Ae[(0|He.__str141)+1],Ae[Of+2]=Ae[(0|He.__str141)+2],Ae[Of

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+3]=Ae[(0|He.__str141)+3],Ae[Of+4]=Ae[(0|He.__str141)+4];var
Nf=Se[b]+5|0;Se[b]=Nf,gr=287;break }gr=286) while(0);286==gr&&Q(r,0|He.__str141,5);var
If=Se[Se[Se[k]+8>>2]+8>>2];H(r,If);var Pf=Me[cr],Df=0==(0|Pf);do if(!Df){ var
Lf=Me[b];if(Lf>>>0>=Me[l]>>>0)break;Se[b]=Lf+1|0,Ae[Pf+Lf|0]=41;break r} while(0);Y(r,41);break
r} while(0);Z(r);break r} if(47==(0|Ir)||48==(0|Ir)){ Z(r);break r} if(49==(0|Ir)||50==(0|Ir)){ var
Ff=a+4|0,Xf=Se[Ff>>2],jf=33==(0|Se[Xf>>2]);do {if(jf){ var
Uf=Me[Se[Xf+4>>2]+16>>2];if(1==(0|Uf)||2==(0|Uf)||3==(0|Uf)||4==(0|Uf)||5==(0|Uf)||6==(0|Uf)){ var
xf=a+8|0;if(0!=(0|Se[Se[xf>>2]>>2])){ var zf=Uf;break }if(50==(0|Ir)){ var
Vf=r+8|0,Bf=Me[Vf>>2];Bf>>>0<Me[Er+3]>>>0?(Se[Vf>>2]=Bf+1|0,Ae[Or+Bf|0]=45):Y(r,45)} var
Hf=Se[xf>>2];if(H(r,Hf),2==(0|Uf)){ var Kf=Me[cr],Yf=0==(0|Kf);do if(!Yf){ var
Gf=r+8|0,Wf=Me[Gf>>2];if(Wf>>>0>=Me[Er+3]>>>0)break;Se[Gf>>2]=Wf+1|0,Ae[Kf+Wf|0]=117;break
r} while(0);Y(r,117);break r} if(3==(0|Uf)){ var Zf=Me[cr],Qf=0==(0|Zf);do if(!Qf){ var
qf=r+8|0,$f=Me[qf>>2];if($f>>>0>=Me[Er+3]>>>0)break;Se[qf>>2]=$f+1|0,Ae[Zf+$f|0]=108;break
r} while(0);Y(r,108);break r} if(4==(0|Uf)){ var Jf=Me[cr],r_=0==(0|Jf);do if(!r_){ var
o=(r+8|0)>>2,a_=Me[o];if((a_+2|0)>>>0>Me[Er+3]>>>0)break;var
e_=Jf+a_|0;oe=27765,Ae[e_]=255&oe,oe>>=8,Ae[e_+1]=255&oe;var i_=Se[o]+2|0;Se[o]=i_;break
r} while(0);Q(r,0|He.__str142,2);break r} if(5==(0|Uf)){ var v_=Me[cr],t_=0==(0|v_);do if(!t_){ var
n=(r+8|0)>>2,f_=Me[n];if((f_+2|0)>>>0>Me[Er+3]>>>0)break;var
__=v_+f_|0;oe=27756,Ae[__]=255&oe,oe>>=8,Ae[__+1]=255&oe;var s_=Se[n]+2|0;Se[n]=s_;break
r} while(0);Q(r,0|He.__str143,2);break r} if(6==(0|Uf)){ var n_=Me[cr],o_=0==(0|n_);do if(!o_){ var
s=(r+8|0)>>2,l_=Me[s];if((l_+3|0)>>>0>Me[Er+3]>>>0)break;var
b_=n_+l_|0;Ae[b_]=Ae[0|He.__str144],Ae[b_+1]=Ae[(0|He.__str144)+1],Ae[b_+2]=Ae[(0|He.__str144)+2];var
k_=Se[s]+3|0;Se[s]=k_;break r} while(0);Q(r,0|He.__str144,3);break r} break r} if(7==(0|Uf)){ var
_=Se[pr+2]>>2;if(0!=(0|Se[_])){ var zf=7;break }if(!(1==(0|Se[_+2])&49==(0|Ir))){ var zf=Uf;break }var
u_=Ae[Se[_+1]]<<24>>24;if(48==(0|u_)){ var
f=(r+8|0)>>2,c_=Me[f];if((c_+5|0)>>>0>Me[Er+3]>>>0){ Q(r,0|He.__str145,5);break r} var
h_=Or+c_|0;Ae[h_]=Ae[0|He.__str145],Ae[h_+1]=Ae[(0|He.__str145)+1],Ae[h_+2]=Ae[(0|He.__str145)+2],Ae[h_
+3]=Ae[(0|He.__str145)+3],Ae[h_+4]=Ae[(0|He.__str145)+4];var d_=Se[f]+5|0;Se[f]=d_;break
r} if(49==(0|u_)){ var t=(r+8|0)>>2,w_=Me[t];if((w_+4|0)>>>0>Me[Er+3]>>>0){ Q(r,0|He.__str146,4);break r} var
p_=Or+w_|0;oe=1702195828,Ae[p_]=255&oe,oe>>=8,Ae[p_+1]=255&oe,oe>>=8,Ae[p_+2]=255&oe,oe>>=8,Ae[
p_+3]=255&oe;var E_=Se[t]+4|0;Se[t]=E_;break r} var zf=Uf;break } var zf=Uf;break } var zf=0} while(0);var
zf,v=(r+8|0)>>2,A_=Me[v],i=(r+12|0)>>2;A_>>>0<Me[i]>>>0?(Se[v]=A_+1|0,Ae[Or+A_|0]=40):Y(r,40);var
g_=Se[Ff>>2];H(r,g_);var y_=Me[cr],m_=0==(0|y_);do {if(!m_){ var
S_=Me[v];if(S_>>>0>=Me[i]>>>0){ gr=335;break }Se[v]=S_+1|0,Ae[y_+S_|0]=41,gr=336;break }gr=335} while(0);
335==gr&&Y(r,41);var M_=50==(0|Se[Nr>>2]);e:do if(M_){ var C_=Me[cr],R_=0==(0|C_);do if(!R_){ var
T_=Me[v];if(T_>>>0>=Me[i]>>>0)break;Se[v]=T_+1|0,Ae[C_+T_|0]=45;break
e} while(0);Y(r,45)} while(0);if(8==(0|zf)){ var O_=Me[cr],N_=0==(0|O_);do {if(!N_){ var
I_=Me[v];if(I_>>>0>=Me[i]>>>0){ gr=345;break }Se[v]=I_+1|0,Ae[O_+I_|0]=91,gr=346;break }gr=345} while(0);3
45==gr&&Y(r,91);var P_=Se[pr+2];H(r,P_);var D_=Me[cr],L_=0==(0|D_);do if(!L_){ var
F_=Me[v];if(F_>>>0>=Me[i]>>>0)break;Se[v]=F_+1|0,Ae[D_+F_|0]=93;break r} while(0);Y(r,93);break r} var
X_=Se[pr+2];H(r,X_);break r} Z(r);break r} } while(0);var
e=(r+20|0)>>2,j_=Se[e],U_=0|Sr;Se[U_>>2]=j_,Se[e]=Sr,Se[Sr+4>>2]=a;var x_=Sr+8|0;Se[x_>>2]=0;var
z_=Se[Er+4];Se[Sr+12>>2]=z_;var V_=Se[pr+1];H(r,V_),0==(0|Se[x_>>2])&&$(r,a);var
B_=Se[U_>>2];Se[e]=B_} while(0);Oe=Ar} function K(r,a,e,i){ var
v=i>>2;Se[v]=r,Se[v+1]=r+e|0,Se[v+2]=a,Se[v+3]=r,Se[v+6]=e<<1,Se[v+5]=0,Se[v+9]=e,Se[v+8]=0,Se[v+10]=0,
Se[v+11]=0,Se[v+12]=0} function Y(r,a){ var e,i=r+4|0,v=Me[i>>2],t=0==(0|v);do if(!t){ var
e=(r+8|0)>>2,f=Me[e];if(f>>>0<Me[r+12>>2]>>>0)var _=v,s=f;else {tr(r,1);var n=Me[i>>2];if(0==(0|n))break;var
_=n,s=Se[e]} var s_,_:Ae[_+s|0]=255&a;var o=Se[e]+1|0;Se[e]=o} while(0)} function G(r,a,e,i){ var

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v,t=i>>2,f=Oe;Oe+=4;var _=f,v=_>>2,s=0==(0|r);do if(s){if(0==(0|i)){var n=0;break}Se[t]=-3;var n=0}else{var
o=0==(0|e);if(0!=(0|a)&o){if(0==(0|i)){var n=0;break}Se[t]=-3;var n=0}else{var
l=W(r,_);if(0==(0|l)){if(0==(0|i)){var n=0;break}if(1==(0|Se[v])){Se[t]=-1;var n=0}else{Se[t]=-2;var
n=0}}else{var b=0==(0|a);do if(b){if(o){var k=l;break}var u=Se[v];Se[e>>2]=u;var k=l}else{var
c=Ca(l);if(c>>>0<Me[e>>2]>>>0){Ra(a,l);va(l);var k=a}else{va(a);var h=Se[v];Se[e>>2]=h;var k=l}}while(0);var
k;if(0==(0|i)){var n=k;break}Se[t]=0;var n=k}}while(0);var n;return Oe=f,n}function W(r,a){var
e,i=Oe;Oe+=52;var v,t=i,e=t>>2;Se[a>>2]=0;var
f=Ca(r,_=Ae[r]<<24>>24==95;do{if(_){if(Ae[r+1|0]<<24>>24==90){var
s=0;v=13;break}v=3;break}v=3}while(0);do if(3==v){var n=Na(r,0|He.__str117,8);if(0!=(0|n)){var
s=1;v=13;break}var o=Ae[r+8|0];if(o<<24>>24!=46&&o<<24>>24!=95&&o<<24>>24!=36){var
s=1;v=13;break}var l=r+9|0,b=Ae[l];if(b<<24>>24!=68&&b<<24>>24!=73){\nvar
s=1;v=13;break}if(Ae[r+10|0]<<24>>24!=95){var s=1;v=13;break}var
k=f+29|0,u=Jr(k);if(0==(0|u)){Se[a>>2]=1;var
c=0;v=19;break}Ae[l]<<24>>24==73?Pa(u,0|He.__str118,30,1):Pa(u,0|He.__str119,29,1);var
h=r+11|0,c=(Ia(u,h),u);v=19;break}while(0);if(13==v){var s;K(r,17,f,t);var
d=Se[e+6],w=Ta(),p=Oe;Oe+=12*d,Oe=Oe+3>>2<<2;var
E=Oe;if(Oe+=4*Se[e+9],Oe=Oe+3>>2<<2,Se[e+4]=p,Se[e+7]=E,s)var A=N(t),g=A;else var y=T(t,1),g=y;var
g,m=Ae[Se[e+3]]<<24>>24==0?g:0,S=Se[e+12]+f+10*Se[e+10]|0;if(0==(0|m))var M=0;else var
C=S/8+S|0,R=B(17,m,C,a),M=R;var M;Oa(w);var c=M}var c;return Oe=i,c}function Z(r){var
a=r+4|0,e=Se[a>>2];va(e),Se[a>>2]=0}function Q(r,a,e){var i,v=r+4|0,t=Me[v>>2],f=0==(0|t);do if(!f){var
i=(r+8|0)>>2,_=Me[i];if(_+e|0)>>>0>Me[r+12>>2]>>>0){tr(r,e);var s=Me[v>>2];if(0==(0|s))break;var
n=s,o=Se[i]}else var n=t,o=_;var o,n;Pa(n+o|0,a,e,1);var l=Se[i]+e|0;Se[i]=1}while(0)}function q(r,a,e){var
i,v,t=a+e|0,f=(0|e)>0;r:do if(f)for(var _=t,s=r+4|0,i=(r+8|0)>>2,n=r+12|0,o=a;){var o,l=(_-
o|0)>3;a:do{if(l){if(Ae[o]<<24>>24!=95){v=21;break}if(Ae[o+1|0]<<24>>24!=95){v=21;break}if(Ae[o+2|0]<<24
>>24!=85){v=21;break}for(var b=o+3|0,k=0;){var k,b;if(b>>>0>=t>>>0){v=21;break a}var
u=ge[b],c=u<<24>>24;if((u-48&&255&&255)<10)var h=c-48|0;else if((u-65&&255&&255)<6)var h=c-55|0;else{if((u-
97&&255&&255)>=6)break;var h=c-87|0}var
h,b=b+1|0,k=(k<<4)+h|0;if(!(u<<24>>24==95&&k>>>0<256)){v=21;break}var d=Me[s>>2],w=0==(0|d);do
if(!w){var p=Me[i];if(p>>>0>=Me[n>>2]>>>0)break;Se[i]=p+1|0,Ae[d+p|0]=255&k;var E=b;v=25;break
a}while(0);Y(r,k);var E=b;v=25;break}v=21}while(0);a:do if(21==v){var A=Me[s>>2],g=0==(0|A);do if(!g){var
y=Me[i];if(y>>>0>=Me[n>>2]>>>0)break;var m=Ae[o];Se[i]=y+1|0,Ae[A+y|0]=m;var E=o;break a}while(0);var
S=Ae[o]<<24>>24;Y(r,S);var E=o}while(0);var E,M=E+1|0;if(M>>>0>=t>>>0)break r;var
o=M}while(0)}function $(r,a){var e,i,v,t,f,_s,n=r>>2,o=Se[a>>2];r:do if(22==(0|o)||25==(0|o)){var
l=Me[n+1],b=0==(0|l);do if(!b){var _(r+8|0)>>2,k=Me[_];if((k+9|0)>>>0>Me[n+3]>>>0)break;for(var
u=l+k|0,c=0|He.__str147,h=u,d=c+9;c<d;c++,h++)Ae[h]=Ae[c];var w=Se[_+9|0];Se[_]=w;break
r}while(0);Q(r,0|He.__str147,9)}else if(23==(0|o)||26==(0|o)){var p=Me[n+1],E=0==(0|p);do if(!E){var
f=(r+8|0)>>2,A=Me[f];if((A+9|0)>>>0>Me[n+3]>>>0)break;for(var
g=p+A|0,c=0|He.__str148,h=g,d=c+9;c<d;c++,h++)Ae[h]=Ae[c];var y=Se[f+9|0];Se[f]=y;break
r}while(0);Q(r,0|He.__str148,9)}else if(24==(0|o)||27==(0|o)){var m=Me[n+1],S=0==(0|m);do if(!S){var
t=(r+8|0)>>2,M=Me[t];if((M+6|0)>>>0>Me[n+3]>>>0)break;var
C=m+M|0;Ae[C]=Ae[0|He.__str149],Ae[C+1]=Ae[(0|He.__str149)+1],Ae[C+2]=Ae[(0|He.__str149)+2],Ae[C+3]=
Ae[(0|He.__str149)+3],Ae[C+4]=Ae[(0|He.__str149)+4],Ae[C+5]=Ae[(0|He.__str149)+5];var
R=Se[t]+6|0;Se[t]=R;break r}while(0);Q(r,0|He.__str149,6)}else if(28==(0|o)){var
T=Me[n+1],O=0==(0|T);do{if(!O){var
N=r+8|0,I=Me[N>>2];if(I>>>0>=Me[n+3]>>>0){s=17;break}Se[N>>2]=I+1|0,Ae[T+I|0]=32,s=18;break}s=17}wh
ile(0);17==s&&Y(r,32);var P=Se[a+8>>2];H(r,P)}else if(29==(0|o)){if(0!=(4&Se[n|0))break;var
D=Me[n+1],L=0==(0|D);do if(!L){var
F=r+8|0,X=Me[F>>2];if(X>>>0>=Me[n+3]>>>0)break;Se[F>>2]=X+1|0,Ae[D+X|0]=42;break

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r}while(0);Y(r,42)}else if(30==(0|o)){var j=Me[n+1],U=0==(0|j);do if(!U){var
x=r+8|0,z=Me[x>>2];if(z>>>0>=Me[n+3]>>>0)break;Se[x>>2]=z+1|0,Ae[j+z|0]=38;break r}while(0);Y(r,38)}else
if(31==(0|o)){var V=Me[n+1],B=0==(0|V);do if(!B){var
v=(r+8|0)>>2,K=Me[v];if((K+8|0)>>>0>Me[n+3]>>>0)break;var
G=V+K|0,W=0|G;oe=1886220131,Ae[W]=255&oe,oe>>=8,Ae[W+1]=255&oe,oe>>=8,Ae[W+2]=255&oe,oe>>=8
,Ae[W+3]=255&oe;var
Z=G+4|0;oe=544761196,Ae[Z]=255&oe,oe>>=8,Ae[Z+1]=255&oe,oe>>=8,Ae[Z+2]=255&oe,oe>>=8,Ae[Z+3]=2
55&oe;var q=Se[v]+8|0;Se[v]=q;break r}while(0);Q(r,0|He.__str150,8)}else if(32==(0|o)){var
$=Me[n+1],J=0==(0|$);do if(!J){var i=(r+8|0)>>2,rr=Me[i];if((rr+10|0)>>>0>Me[n+3]>>>0)break;for(var
ar=$+rr|0,c=0|He.__str151,h=ar,d=c+10;c<d;c++,h++)Ae[h]=Ae[c];var er=Se[i]+10|0;Se[i]=er;break
r}while(0);Q(r,0|He.__str151,10)}else if(37==(0|o)){var ir=r+4|0,vr=Me[ir>>2],tr=0==(0|vr);do {if(!tr){var
fr=r+8|0,_r=Me[fr>>2];if(0!=(0|_r)&&Ae[vr+(_r-
1)|0]<<24>>24==40){s=42;break}if(_r>>>0>=Me[n+3]>>>0){s=41;break}Se[fr>>2]=_r+1|0,Ae[vr+_r|0]=32,s=42;
break}s=41}while(0);41==s&&Y(r,32);var sr=Se[a+4>>2];H(r,sr);var nr=Me[ir>>2],or=0==(0|nr);do if(!or){var
e=(r+8|0)>>2,lr=Me[e];if((lr+3|0)>>>0>Me[n+3]>>>0)break;var
br=nr+lr|0;Ae[br]=Ae[0|He.__str135],Ae[br+1]=Ae[(0|He.__str135)+1],Ae[br+2]=Ae[(0|He.__str135)+2];var
kr=Se[e]+3|0;Se[e]=kr;break r}while(0);Q(r,0|He.__str135,3)}else if(3==(0|o)){var ur=Se[a+4>>2];H(r,ur)}else
H(r,a);while(0)}function J(r){var a=r+20|0,e=Se[a>>2];if((0|e)<(0|Se[r+24>>2])){var
i=Se[r+16>>2]+12*e|0,v=e+1|0;Se[a>>2]=v;var t=i}else var t=0;var t;return t}function rr(r,a,e){var
i,v,t,f,_r>>2,s=e,t=s>>2,n=0;r:for(;;){var n,s,o=0==(0|s);do if(!o){if(0!=(0|Se[t+2]))break;var
l=Se[Se[t+1]>>2];if(29==(0|l)||30==(0|l)){f=9;break
r}if(22==(0|l)||23==(0|l)||24==(0|l)||28==(0|l)||31==(0|l)||32==(0|l)||37==(0|l)){var b=Se[_+1];f=12;break r}var
s=Se[t],t=s>>2,n=1;continue r}while(0);if(0!=(0|Se[a+4>>2])&0==(0|n)){f=9;break}var
k=0,u=r+4|0,v=u>>2;f=22;break}do if(9==f){var c=Se[_+1];if(0==(0|c)){f=17;break}var
h=Se[_+2];if(0==(0|h)){var d=c;f=13;break}var w=Ae[c+(h-
1)|0];if(w<<24>>24==40||w<<24>>24==42){f=18;break}var b=c;f=12;break}while(0);do if(12==f){var
b;if(0==(0|b)){f=17;break}var d=b;f=13;break}while(0);do if(13==f){var
d,p=r+8|0,E=Me[p>>2];if(0!=(0|E)&&Ae[d+(E-
1)|0]<<24>>24==32){f=18;break}if(E>>>0>=Me[_+3]>>>0){f=17;break}Se[p>>2]=E+1|0,Ae[d+E|0]=32,f=18;bre
ak}while(0);do if(17==f){Y(r,32),f=18;break}while(0);r:do if(18==f){var A=r+4|0,g=Me[A>>2],y=0==(0|g);do
if(!y){var m=r+8|0,S=Me[m>>2];if(S>>>0>=Me[_+3]>>>0)break;Se[m>>2]=S+1|0,Ae[g+S|0]=40;var
k=1,u=A,v=u>>2;break r}while(0);Y(r,40);var k=1,u=A,v=u>>2}while(0);var
u,k,i=(r+20|0)>>2,M=Se[i];Se[i]=0,vr(r,e,0);r:do if(k){var C=Me[v],R=0==(0|C);do if(!R){var
T=r+8|0,O=Me[T>>2];if(O>>>0>=Me[_+3]>>>0)break;Se[T>>2]=O+1|0,Ae[C+O|0]=41;break
r}while(0);Y(r,41)}while(0);var N=Me[v],I=0==(0|N);do {if(!I){var
P=r+8|0,D=Me[P>>2];if(D>>>0>=Me[_+3]>>>0){f=30;break}Se[P>>2]=D+1|0,Ae[N+D|0]=40,f=31;break}f=30}
while(0);30==f&&Y(r,40);var L=Se[a+8>>2];0!=(0|L)&&H(r,L);var F=Me[v],X=0==(0|F);do {if(!X){var
j=r+8|0,U=Me[j>>2];if(U>>>0>=Me[_+3]>>>0){f=36;break}Se[j>>2]=U+1|0,Ae[F+U|0]=41,f=37;break}f=36}wh
ile(0);36==f&&Y(r,41),vr(r,e,1),Se[i]=M}function ar(r,a,e){var i,v,t,f=r>>2,_=0==(0|e);do {if(!_) {var
s=e,v=s>>2;r:for(;;){var s;if(0==(0|s)){var n=1;t=14;break}if(0==(0|Se[v+2])){var
o=36==(0|Se[Se[v+1]>>2]),l=1&o^1;if(o){var n=1;t=14;break}var b=r+4|0,k=Me[b>>2],u=0==(0|k);do {if(!u){var
i=(r+8|0)>>2,c=Me[i];if((c+2|0)>>>0>Me[f+3]>>>0){t=9;break}var
h=k+c|0;oe=10272,Ae[h]=255&oe,oe>>=8,Ae[h+1]=255&oe;var
d=Se[i]+2|0;Se[i]=d,vr(r,e,0),t=10;break}t=9}while(0);9==t&&(Q(r,0|He.__str140,2),vr(r,e,0));var
w=Me[b>>2],p=0==(0|w);do if(!p){var
E=r+8|0,A=Me[E>>2];if(A>>>0>=Me[f+3]>>>0)break;Se[E>>2]=A+1|0,Ae[w+A|0]=41;var g=1;t=15;break
r}while(0);Y(r,41);var g=1;t=15;break}var s=Se[v],v=s>>2}if(14==t){var n;vr(r,e,0);var g=n}var
g;if(0!=(0|g)){t=17;break}var y=r+4|0;t=21;break}t=17}while(0);r:do if(17==t){var

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m=r+4|0,S=Me[m>>2],M=0==(0|S);do if(!M){ var
C=r+8|0,R=Me[C>>2];if(R>>>0>=Me[f+3]>>>0)break;Se[C>>2]=R+1|0,Ae[S+R|0]=32;var y=m;break
r} while(0);Y(r,32);var y=m} while(0);var y,T=Me[y>>2],O=0==(0|T);do {if(!O){ var
N=r+8|0,I=Me[N>>2];if(I>>>0>=Me[f+3]>>>0){t=24;break} Se[N>>2]=I+1|0,Ae[T+I|0]=91,t=25;break}t=24} while
e(0);24==t&&Y(r,91);var P=Se[a+4>>2];0!=(0|P)&&H(r,P);var D=Me[y>>2],L=0==(0|D);do {if(!L){ var
F=r+8|0,X=Me[F>>2];if(X>>>0>=Me[f+3]>>>0){t=30;break} Se[F>>2]=X+1|0,Ae[D+X|0]=93,t=31;break}t=30} w
hile(0);30==t&&Y(r,93)}function er(r,a){ var e,i,v,t,f,_,s=Oe;Oe+=8;var
n,o=s,_(a+4|0)>>2,l=Se[_];if(4==(0|Se[l>>2])){ var f=(r+20|0)>>2,b=Se[f];Se[f]=0;var
t=(r+16|0)>>2,k=Se[t],u=0|o;Se[u>>2]=k,Se[t]=o;var c=Se[_];Se[o+4>>2]=c;var h=Se[c+4>>2];H(r,h);var
d=Se[u>>2];Se[t]=d;var v=(r+4|0)>>2,w=Me[v],p=0==(0|w);do {if(!p){ var i=(r+8|0)>>2,E=Me[i],A=0==(0|E);do
if(!A){if(Ae[w+(E-
1)|0]<<24>>24!=60)break;E>>>0<Me[r+12>>2]>>>0?(Se[i]=E+1|0,Ae[w+E|0]=32):Y(r,32)} while(0);var
g=Me[v];if(0==(0|g)){n=12;break} var
y=Me[i];if(y>>>0>=Me[r+12>>2]>>>0){n=12;break} Se[i]=y+1|0,Ae[g+y|0]=60,n=13;break}n=12} while(0);12==n
&&Y(r,60);var m=Se[Se[_]+8>>2];H(r,m);var S=Me[v],M=0==(0|S);do {if(!M){ var
e=(r+8|0)>>2,C=Me[e],R=0==(0|C);do if(!R){if(Ae[S+(C-
1)|0]<<24>>24!=62)break;C>>>0<Me[r+12>>2]>>>0?(Se[e]=C+1|0,Ae[S+C|0]=32):Y(r,32)} while(0);var
T=Me[v];if(0==(0|T)){n=22;break} var
O=Me[e];if(O>>>0>=Me[r+12>>2]>>>0){n=22;break} Se[e]=O+1|0,Ae[T+O|0]=62,n=23;break}n=22} while(0);22
==n&&Y(r,62),Se[f]=b} else H(r,l);Oe=s}function ir(r,a){ var e,i=40==(0|Se[a>>2]);r:do if(i){ var
v=Me[r+4>>2],t=0==(0|v);do {if(!t){ var
e=(r+8|0)>>2,f=Me[e],_a+4|0,s=Me[_>>2],n=Me[s+8>>2];if((n+f|0)>>>0>Me[r+12>>2]>>>0){ var
o=s,l=n;break} var b=v+f|0,k=Se[s+4>>2];Pa(b,k,n,1);var u=Se[e]+Se[Se[_>>2]+8>>2]|0;Se[e]=u;break r} var
c=Me[a+4>>2],o=c,l=Se[c+8>>2]} while(0);var l,o,h=Se[o+4>>2];Q(r,h,l)} else H(r,a);while(0)}function
vr(r,a,e){ var i,v,t,f,_,f=(r+4|0)>>2,s=0==(0|e),t=(r+16|0)>>2;r:do if(s)for(var n=a;){ var n;if(0==(0|n)){_ =29;break
r}if(0==(0|Se[f])){ _ =29;break r} var o=n+8|0,l=0==(0|Se[o>>2]);do if(l){ var b=n+4|0;if((Se[Se[b>>2]>>2]-
25|0)>>>0<3)break;Se[o>>2]=1;var k=Me[t],u=Se[n+12>>2];Se[t]=u;var
c=Me[b>>2],h=Se[c>>2];if(35==(0|h)){ var d=n,w=k,p=c; _ =14;break r}if(36==(0|h)){ var E=n,A=k,g=c; _ =15;break
r}if(2==(0|h)){ var y=k,m=b; _ =16;break r}$(r,c),Se[t]=k} while(0);var n=Se[n>>2]}else for(var S=a;){ var
S;if(0==(0|S)){ _ =29;break r}if(0==(0|Se[f])){ _ =29;break r} var M=S+8|0;if(0==(0|Se[M>>2])){ Se[M>>2]=1;var
C=Me[t],R=Se[S+12>>2];Se[t]=R;var T=S+4|0,O=Me[T>>2],N=Se[O>>2];if(35==(0|N)){ var
d=S,w=C,p=O; _ =14;break r}if(36==(0|N)){ var E=S,A=C,g=O; _ =15;break r}if(2==(0|N)){ var
y=C,m=T; _ =16;break r}$(r,O),Se[t]=C} var S=Se[S>>2]} while(0);if(14==_){ var
p,w,d,I=Se[d>>2];rr(r,p,I),Se[t]=w} else if(15==_){ var g,A,E,P=Se[E>>2];ar(r,g,P),Se[t]=A} else if(16==_){ var
m,y,v=(r+20|0)>>2,D=Se[v];Se[v]=0;var L=Se[Se[m>>2]+4>>2];H(r,L),Se[v]=D;var
F=0==(4&Se[r>>2]|0),X=Me[f],j=0!=(0|X);r:do if(F){ do if(j){ var
i=(r+8|0)>>2,U=Me[i];if((U+2|0)>>>0>Me[r+12>>2]>>>0)break;var
x=X+U|0;oe=14906,Ae[x]=255&oe,oe>>=8,Ae[x+1]=255&oe;var z=Se[i+2|0];Se[i]=z;break
r} while(0);Q(r,0|He.__str120,2)} else {do if(j){ var
V=r+8|0,B=Me[V>>2];if(B>>>0>=Me[r+12>>2]>>>0)break;Se[V>>2]=B+1|0,Ae[X+B|0]=46;break
r} while(0);Y(r,46)} while(0);var K=Me[Se[m>>2]+8>>2],G=(Se[K>>2]-25|0)>>>0<3;r:do if(G)for(var W=K;){ var
W,Z=Me[W+4>>2];if((Se[Z>>2]-25|0)>>>0>=3){ var q=Z;break r} var W=Z} else var q=K;while(0);var
q;H(r,q),Se[t]=y} }function tr(r,a){ var e,e=(r+4|0)>>2,i=Se[e],v=0==(0|i);r:do if(!v){ for(var
t=Se[r+8>>2]+a|0,f=r+12|0, _ =Se[f>>2],s=i;){ var s, _ ;if(t>>>0<=_>>>0)break r;var
n=_<<1,o=fa(s,n);if(0==(0|o))break;Se[e]=o,Se[f>>2]=n;var _ =n,s=o} var
l=Se[e];va(l),Se[e]=0,Se[r+24>>2]=1} while(0)}function fr(r,a,e){ var i,v=J(r),i=v>>2;return
0!=(0|v)&&(Se[i]=21,Se[i+1]=a,Se[i+2]=e),v}function _r(r){ var
a,a=(r+12|0)>>2,e=Se[a],i=Ae[e]<<24>>24;if(88==(0|i)){ var v=e+1|0;Se[a]=v;var

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t=nr(r),f=Se[a],_=f+1|0;Se[a]=_;var s=Ae[f]<<24>>24==69?t:0,n=s}else if(76==(0|i))var o=or(r),n=o;else var
l=N(r),n=l;var n;return n}function sr(r){var a,a=(r+12|0)>>2,e=Se[a],i=Ae[e];if(i<<24>>24==110){var
v=e+1|0;Se[a]=v;var t=1,f=Ae[v],_=v}else var t=0,f=i,_=e;var _,f,t,s=(f-48&255&255)<10;r:do if(s)for(var
n=f,o=0,l=;){var l,o,n,b=(n<<24>>24)-48+10*o|0,k=l+1|0;Se[a]=k;var u=ge[k];if((u-48&255&255)>=10){var
c=b;break r}var n=u,o=b,l=k}else var c=0;while(0);var c,h=0==(0|t)?c:0|c;return h}function nr(r){var
a,e,a=(r+12|0)>>2,i=Se[a],v=Ae[i];do{if(v<<24>>24==76){var t=or(r),f=t;e=21;break}if(v<<24>>24==84){var
_=x(r),f=;e=21;break}if(v<<24>>24==115){if(Ae[i+1|0]<<24>>24!=114){e=8;break}var s=i+2|0;Se[a]=s;var
n=N(r),o=br(r);if(Ae[Se[a]]<<24>>24==73){var l=z(r),b=D(r,4,o,l),k=D(r,1,n,b),f=k;e=21;break}var
u=D(r,1,n,o),f=u;e=21;break}e=8}while(0);r:do if(8==e){var c=kr(r);if(0==(0|c)){var f=0;break}var
h=0|c,d=Se[h>>2],w=40==(0|d);do{if(w){var p=c+4|0,E=r+48|0,A=Se[Se[p>>2]+8>>2]-
2+Se[E>>2]|0;Se[E>>2]=A;var g=Se[h>>2];if(40!=(0|g)){var y=g;e=13;break}var
m=Se[p>>2],S=Se[m>>2],M=Da(S,0|He. __str90);if(0!=(0|M)){var C=m;e=15;break}var
R=N(r),T=D(r,43,c,R),f=T;break r}var y=d;e=13}while(0);do if(13==e){var y;if(40==(0|y)){var
C=Se[c+4>>2];e=15;break}if(41==(0|y)){var O=c+4|0;e=17;break}if(42==(0|y)){e=18;break}var f=0;break
r}while(0);do if(15==e){var C,O=C+12|0;e=17;break}while(0);do if(17==e){var
O,I=Se[O>>2];if(1==(0|I))break;if(2==(0|I)){var P=nr(r),L=nr(r),F=D(r,45,P,L),X=D(r,44,c,F);return
X}if(3==(0|I)){var j=nr(r),U=nr(r),V=nr(r),B=D(r,48,U,V),H=D(r,47,j,B),K=D(r,46,c,H);return K}var f=0;break
r}while(0);var Y=nr(r),G=D(r,43,c,Y);return G}while(0);var f;return f}function or(r){var
a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var v=Ae[e]<<24>>24==76;r:do if(v){if(Ae[i]<<24>>24==95)var
t=T(r,o),f=t;else{var _=N(r);if(0==(0|_)){var s=0;break}var n=33==(0|Se[_>>2]);do if(n){var
o=Se[_+4>>2];if(0==(0|Se[o+16>>2]))break;var l=r+48|0,b=Se[l>>2]-Se[o+4>>2]|0;Se[l>>2]=b}while(0);var
k=Se[a];if(Ae[k]<<24>>24==110){var u=k+1|0;Se[a]=u;var c=50,h=u}else var c=49,h=k;for(var h,c,d=h;){var
d,w=Ae[d];if(w<<24>>24==69)break;if(w<<24>>24==0){var s=0;break r}var p=d+1|0;Se[a]=p;var d=p}var
E=lr(r,h,d-h|0),A=D(r,c,_,E),f=A}var f,g=Se[a],y=g+1|0;Se[a]=y;var m=Ae[g]<<24>>24==69?f:0,s=m}else var
s=0;while(0);var s;return s}function lr(r,a,e){var i=J(r),v=m(i,a,e),t=0==(0|v)?0:i;return t}function br(r){var
a=r+12|0,e=Me[a>>2],i=ge[e],v=(i-48&255&255)<10;do if(v)var t=L(r),f=t;else if((i-97&255&255)<26){var
_=kr(r);if(0==(0|_)){var f=0;break}if(40!=(0|Se[_>>2])){var f=;break}var
s=r+48|0,n=Se[Se[_+4>>2]+8>>2]+Se[s>>2]+7|0;Se[s>>2]=n;var f=_}else
if(i<<24>>24==67||i<<24>>24==68)var o=hr(r),f=o;else{if(i<<24>>24!=76){var f=0;break}Se[a>>2]=e+1|0;var
l=L(r);if(0==(0|l)){var f=0;break}var b=dr(r),k=0==(0|b)?0:l,f=k}while(0);var f;return f}function kr(r){var
a,e,a=(r+12|0)>>2,i=Se[a],v=i+1|0;Se[a]=v;var t=ge[i],f=i+2|0;Se[a]=f;var _=ge[v];do{if(t<<24>>24==118){if((
-48&255&255)>=10){var s=49,n=0;e=6;break}var o=(_<<24>>24)-
48|0,l=L(r),b=ur(r,o,l),k=b;e=14;break}if(t<<24>>24==99){if(_<<24>>24!=118){var s=49,n=0;e=6;break}var
u=N(r),c=D(r,42,u,0),k=c;e=14;break}var s=49,n=0;e=6}while(0);r:do if(6==e){for(;;){var n,s,h=(s-
n)/2+n|0,d=(h<<4)+ri|0,w=Se[d>>2],p=Ae[w],E=t<<24>>24==p<<24>>24;if(E&&_<<24>>24==Ae[w+1|0]<<24>>
24)break;var A=t<<24>>24<p<<24>>24;do if(A)var
g=h,y=n;else{if(E&&_<<24>>24<Ae[w+1|0]<<24>>24){var g=h,y=n;break}var g=s,y=h+1|0}while(0);var
y,g;if((0|y)==(0|g)){var k=0;break r}var s=g,n=y}var m=cr(r,d),k=m}while(0);var k;return k}function ur(r,a,e){var
i=J(r),v=S(i,a,e),t=0==(0|v)?0:i;return t}function cr(r,a){var e=J(r);return
0!=(0|e)&&(Se[e>>2]=40,Se[e+4>>2]=a,e)}function hr(r){var a,e,i=Se[r+44>>2],e=i>>2,v=0==(0|i);do if(!v){var
t=Se[e];if(0==(0|t)){var f=r+48|0,_=Se[f>>2]+Se[e+2|0];Se[f>>2]=_}else{if(21!=(0|t))break;var
s=r+48|0,n=Se[s>>2]+Se[e+2|0];Se[s>>2]=n}}while(0);var a=(r+12|0)>>2,o=Se[a],l=o+1|0;Se[a]=l;var
b=Ae[o]<<24>>24;do if(67==(0|b)){var k=o+2|0;Se[a]=k;var u=Ae[l]<<24>>24;if(49==(0|u))var c=1;else
if(50==(0|u))var c=2;else{if(51!=(0|u)){var h=0;break}var c=3}var c,d=wr(r,c,i),h=d}else if(68==(0|b)){var
w=o+2|0;Se[a]=w;var p=Ae[l]<<24>>24;if(48==(0|p))var E=1;else if(49==(0|p))var E=2;else{if(50!=(0|p)){var
h=0;break}var E=3}var E,A=pr(r,E,i),h=A}else var h=0;while(0);var h;return h}function dr(r){var
a=r+12|0,e=Se[a>>2];if(Ae[e]<<24>>24==95){var i=e+1|0;Se[a>>2]=i;var v=sr(r),t=v>>>31^1}else var t=1;var
t;return t}function wr(r,a,e){var i=J(r),v=M(i,a,e),t=0==(0|v)?0:i;return t}function pr(r,a,e){var

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i=J(r),v=C(i,a,e),t=0==(0|v)?0:i;return t}function Er(r,a){var e=J(r);return
0!=(0|e)&&(Se[e>>2]=5,Se[e+4>>2]=a),e}function Ar(r){var a,a=(r+12|0)>>2,e=Se[a],i=Ae[e]<<24>>24;do
if(78==(0|i))var v=gr(r),t=v;else if(90==(0|i))var f=yr(r),t=f;else if(76==(0|i))var _=br(r),t=_;else
if(83==(0|i)){if(Ae[e+1|0]<<24>>24==116){var s=e+2|0;Se[a]=s;var
n=lr(r,0|He.__str152,3),o=br(r),l=D(r,1,n,o),b=r+48|0,k=Se[b>>2]+3|0;Se[b>>2]=k;var u=0,c=1}else var
h=V(r,0),u=1,c=h;var c,u;if(Ae[Se[a]]<<24>>24!=73){var t=c;break}if(0==(0|u)){var d=R(r,c);if(0==(0|d)){var
t=0;break}}var w=z(r),p=D(r,4,c,w),t=p}else{var E=br(r);if(Ae[Se[a]]<<24>>24!=73){var t=E;break}var
A=R(r,E);if(0==(0|A)){var t=0;break}var g=z(r),y=D(r,4,E,g),t=y}while(0);var t;return t}function gr(r){var
a,e=Oe;Oe+=4;var i=e,a=(r+12|0)>>2,v=Se[a],t=v+1|0;Se[a]=t;var f=Ae[v]<<24>>24==78;do if(f){var
_=I(r,i,1);if(0==(0|_)){var s=0;break}var n=mr(r);if(Se[_>>2]=n,0==(0|n)){var s=0;break}var
o=Se[a],l=o+1|0;if(Se[a]=l,Ae[o]<<24>>24!=69){var s=0;break}var s=Se[i>>2]}else var s=0;while(0);var s;return
Oe=e,s}function yr(r){var a,a=(r+12|0)>>2,e=Se[a],i=e+1|0;Se[a]=i;var v=Ae[e]<<24>>24==90;do if(v){var
t=O(r,0),f=Se[a],_=f+1|0;if(Se[a]=_,Ae[f]<<24>>24!=69){var s=0;break}if(Ae[_]<<24>>24==115){var
n=f+2|0;Se[a]=n;var o=dr(r);if(0==(0|o)){var s=0;break}var l=lr(r,0|He.__str168,14),b=D(r,2,t,l),s=b}else{var
k=Ar(r),u=dr(r);if(0==(0|u)){var s=0;break}var c=D(r,2,t,k),s=c} else var s=0;while(0);var s;return s}function
mr(r){var a,e=r+12|0,i=0;r:for(;;){var i,v=ge[Se[e>>2]];if(v<<24>>24==0){var t=0;break}var f=(v-
48&255&255)<10|(v-
97&255&255)<26;do{if(!f){if(v<<24>>24==76||v<<24>>24==68||v<<24>>24==67){a=5;break}if(v<<24>>24==8
3){var _=V(r,1),s=_;a=10;break}if(v<<24>>24==73){if(0==(0|i)){var t=0;break}var
n=z(r),o=4,l=n;a=11;break}if(v<<24>>24==84){var b=x(r),s=b;a=10;break}if(v<<24>>24==69){var t=i;break
r}var t=0;break}a=5}while(0);do if(5==a){var k=br(r),s=k;a=10;break}while(0);do if(10==a){var
s;if(0==(0|i)){var u=s;a=12;break}var o=1,l=s;a=11;break}while(0);if(11==a)var l,o,c=D(r,o,i,l),u=c;var
u;if(v<<24>>24!=83)if(Ae[Se[e>>2]]<<24>>24!=69){var h=R(r,u);if(0==(0|h)){var t=0;break}var i=u}else var
i=u;else var i=u}var t;return t}function Sr(r,a){var e,i,v=Oe;Oe+=4;var
t=v,i=t>>2,e=(r+12|0)>>2,f=Se[e];if(Ae[f]<<24>>24==74){var _=f+1|0;Se[e]=_;var s=1}else var s=a;var
s;Se[i]=0;var n=s,o=0,l=t;r:for(;;)for(var l,o,n,b=n,k=o;){var
k,b,u=Ae[Se[e]];if(u<<24>>24==0||u<<24>>24==69){var c=Se[i];if(0==(0|c)){var h=0;break}var
d=0==(0|Se[c+8>>2]);do if(d){var w=Se[c+4>>2];if(33!=(0|Se[w>>2])){var p=c;break}var
E=Se[w+4>>2];if(9!=(0|Se[E+16>>2])){var p=c;break}var A=r+48|0,g=Se[A>>2]-
Se[E+4>>2]|0;Se[A>>2]=g,Se[i]=0;var p=0}else var p=c;while(0);var p,y=D(r,35,k,p),h=y;break}var
m=N(r);if(0==(0|m)){var h=0;break}if(0==(0|b)){var S=D(r,38,m,0);if(Se[l>>2]=S,0==(0|S)){var h=0;break}var
n=0,o=k,l=S+8|0;continue}var b=0,k=m}var h;return Oe=v,h}function Mr(r){for(var a=r;){var a;if(0==(0|a)){var
e=0;break}var i=Se[a>>2];if(1!=(0|i)&&2!=(0|i)){if(6==(0|i)||7==(0|i)||42==(0|i)){var e=1;break}var e=0;break}var
a=Se[a+8>>2]}var e;return e}function Cr(r){var
a=r>>2;Se[a+3]=0,Se[a+2]=0,Se[a+1]=0,Se[a]=0,Se[a+4]=0}function Rr(r,a){var
e,e=(r+12|0)>>2,i=Se[e],v=(Se[r+4>>2]-i|0)<(0|a);r:do if(v)var t=0;else{var f=i+a|0;Se[e]=f;var
_=0==(4&Se[r+8>>2]|0);do if(!_){if(Ae[f]<<24>>24!=36)break;var s=a+(i+1)|0;Se[e]=s}while(0);var n=(0|a)>9;do
if(n){var o=La(i,0|He.__str117,8);if(0!=(0|o))break;var
l=Ae[i+8|0];if(l<<24>>24!=46&&l<<24>>24!=95&&l<<24>>24!=36)break;if(Ae[i+9|0]<<24>>24!=78)break;var
b=r+48|0,k=22-a+Se[b>>2]|0;Se[b>>2]=k;var u=lr(r,0|He.__str169,21),t=u;break}while(0);var
c=lr(r,i,a),t=c}while(0);var t;return t}function Tr(r){var a,e,e=(r+48|0)>>2,i=Se[e],v=i+20|0;Se[e]=v;var
a=(r+12|0)>>2,t=Se[a],f=t+1|0;Se[a]=f;var _=Ae[t];do if(_<<24>>24==84){var s=t+2|0;Se[a]=s;var
n=Ae[f]<<24>>24;if(86==(0|n)){var o=i+15|0;Se[e]=o;var l=N(r),b=D(r,8,l,0),k=b}else if(84==(0|n)){var
u=i+10|0;Se[e]=u;var c=N(r),h=D(r,9,c,0),k=h}else if(73==(0|n))var d=N(r),w=D(r,11,d,0),k=w;else
if(83==(0|n))var p=N(r),E=D(r,12,p,0),k=E;else if(104==(0|n)){var A=Nr(r,104);if(0==(0|A)){var k=0;break}var
g=O(r,0),y=D(r,14,g,0),k=y}else if(118==(0|n)){var m=Nr(r,118);if(0==(0|m)){var k=0;break}var
S=O(r,0),M=D(r,15,S,0),k=M}else if(99==(0|n)){var C=Nr(r,0);if(0==(0|C)){var k=0;break}var
R=Nr(r,0);if(0==(0|R)){var k=0;break}var T=O(r,0),I=D(r,16,T,0),k=I}else if(67==(0|n)){var

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P=N(r),L=sr(r);if((0|L)<0){var k=0;break }var F=Se[a],X=F+1|0;if(Se[a]=X,Ae[F]<<24>>24!=95){var
k=0;break }var j=N(r),U=Se[e]+5|0;Se[e]=U;var x=D(r,10,j,P),k=x }else if(70==(0|n))var
z=N(r),V=D(r,13,z,0),k=V;else{if(74!=(0|n)){var k=0;break }var B=N(r),H=D(r,17,B,0),k=H } }else
if(<<24>>24==71){var K=t+2|0;Se[a]=K;var Y=Ae[f]<<24>>24;if(86==(0|Y))var
G=Ar(r),W=D(r,18,G,0),k=W;else if(82==(0|Y))var Z=Ar(r),Q=D(r,19,Z,0),k=Q;else{if(65!=(0|Y)){var
k=0;break }var q=O(r,0),S=D(r,20,q,0),k=S } }else var k=0;while(0);var k;return k}function Or(r){for(var
a,e=r,a=e>>2;){var e;if(0==(0|e)){var i=0;break }var v=Se[a];if(4==(0|v)){var
t=Se[a+1],f=Mr(t),i=0==(0|f)&1;break }if(25!=(0|v)&&26!=(0|v)&&27!=(0|v)){var i=0;break }var
e=Se[a+1],a=e>>2 }var i;return i}function Nr(r,a){var e;if(0==(0|a)){var
i=r+12|0,v=Se[i>>2],t=v+1|0;Se[i>>2]=t;var f=Ae[v]<<24>>24}else var f=a;var f;do{if(104==(0|f)){var
_=(sr(r),r+12|0);e=7;break }if(118==(0|f)){var
s=(sr(r),r+12|0),n=Se[s>>2],o=n+1|0;if(Se[s>>2]=o,Ae[n]<<24>>24!=95){var l=0;e=8;break }var
_=(sr(r),s);e=7;break }var l=0;e=8 }while(0);if(7==e){var _b=Se[_>>2],k=b+1|0;Se[_>>2]=k;var
l=Ae[b]<<24>>24==95&1 }var l;return l }function Ir(r){var a,e,i=r>>2,v=Oe;Oe+=56;var
t,f=v,_v=v+8,s=v+16,n=v+36,e=(0|r)>>2,o=Se[e],l=0==(8192&o|0);r:do{if(l){var
a=(r+12|0)>>2,b=Se[a];if(Ae[b]<<24>>24!=63){var k=0;t=111;break }var u=b+1|0;Se[a]=u;var c=Ae[u];do
if(c<<24>>24==63){if(Ae[b+2|0]<<24>>24==36){var h=b+3|0;if(Ae[h]<<24>>24!=63){var
d=5;t=90;break }Se[a]=h;var w=6,p=h}else var w=0,p=u;var p,w,E=p+1|0;Se[a]=E;var A=Ae[E]<<24>>24;do
if(48==(0|A)){var g=1;t=81}else{if(49==(0|A)){var g=2;t=81;break }if(50!=(0|A)){if(51==(0|A)){var
y=0|He.__str2172,m=E;t=82;break }if(52==(0|A)){var y=0|He.__str3173,m=E;t=82;break }if(53==(0|A)){var
y=0|He.__str4174,m=E;t=82;break }if(54==(0|A)){var y=0|He.__str5175,m=E;t=82;break }if(55==(0|A)){var
y=0|He.__str6176,m=E;t=82;break }if(56==(0|A)){var y=0|He.__str7177,m=E;t=82;break }if(57==(0|A)){var
y=0|He.__str8178,m=E;t=82;break }if(65==(0|A)){var
y=0|He.__str9179,m=E;t=82;break }if(66==(0|A)){Se[a]=p+2|0;var
S=0|He.__str10180,M=3;t=88;break }if(67==(0|A)){var y=0|He.__str11181,m=E;t=82;break }if(68==(0|A)){var
y=0|He.__str12182,m=E;t=82;break }if(69==(0|A)){var y=0|He.__str13183,m=E;t=82;break }if(70==(0|A)){var
y=0|He.__str14184,m=E;t=82;break }if(71==(0|A)){var y=0|He.__str15185,m=E;t=82;break }if(72==(0|A)){var
y=0|He.__str16186,m=E;t=82;break }if(73==(0|A)){var y=0|He.__str17187,m=E;t=82;break }if(74==(0|A)){var
y=0|He.__str18188,m=E;t=82;break }if(75==(0|A)){var y=0|He.__str19189,m=E;t=82;break }if(76==(0|A)){var
y=0|He.__str20190,m=E;t=82;break }if(77==(0|A)){var y=0|He.__str21191,m=E;t=82;break }if(78==(0|A)){var
y=0|He.__str22192,m=E;t=82;break }if(79==(0|A)){var y=0|He.__str23193,m=E;t=82;break }if(80==(0|A)){var
y=0|He.__str24194,m=E;t=82;break }if(81==(0|A)){var y=0|He.__str25195,m=E;t=82;break }if(82==(0|A)){var
y=0|He.__str26196,m=E;t=82;break }if(83==(0|A)){var y=0|He.__str27197,m=E;t=82;break }if(84==(0|A)){var
y=0|He.__str28198,m=E;t=82;break }if(85==(0|A)){var y=0|He.__str29199,m=E;t=82;break }if(86==(0|A)){var
y=0|He.__str30200,m=E;t=82;break }if(87==(0|A)){var y=0|He.__str31201,m=E;t=82;break }if(88==(0|A)){var
y=0|He.__str32202,m=E;t=82;break }if(89==(0|A)){var y=0|He.__str33203,m=E;t=82;break }if(90==(0|A)){var
y=0|He.__str34204,m=E;t=82;break }if(95==(0|A)){var C=p+2|0;Se[a]=C;var
R=Ae[C]<<24>>24;if(48==(0|R)){var y=0|He.__str35205,m=C;t=82;break }if(49==(0|R)){var
y=0|He.__str36206,m=C;t=82;break }if(50==(0|R)){var y=0|He.__str37207,m=C;t=82;break }if(51==(0|R)){var
y=0|He.__str38208,m=C;t=82;break }if(52==(0|R)){var y=0|He.__str39209,m=C;t=82;break }if(53==(0|R)){var
y=0|He.__str40210,m=C;t=82;break }if(54==(0|R)){var y=0|He.__str41211,m=C;t=82;break }if(55==(0|R)){var
y=0|He.__str42212,m=C;t=82;break }if(56==(0|R)){var y=0|He.__str43213,m=C;t=82;break }if(57==(0|R)){var
y=0|He.__str44214,m=C;t=82;break }if(65==(0|R)){var y=0|He.__str45215,m=C;t=82;break }if(66==(0|R)){var
y=0|He.__str46216,m=C;t=82;break }if(67==(0|R)){Se[a]=p+3|0;var
T=0|He.__str47217;t=84;break }if(68==(0|R)){var y=0|He.__str48218,m=C;t=82;break }if(69==(0|R)){var
y=0|He.__str49219,m=C;t=82;break }if(70==(0|R)){var y=0|He.__str50220,m=C;t=82;break }if(71==(0|R)){var
y=0|He.__str51221,m=C;t=82;break }if(72==(0|R)){var y=0|He.__str52222,m=C;t=82;break }if(73==(0|R)){var
y=0|He.__str53223,m=C;t=82;break }if(74==(0|R)){var y=0|He.__str54224,m=C;t=82;break }if(75==(0|R)){var

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y=0|He.__str55225,m=C;t=82;break}if(76==(0|R)){var y=0|He.__str56226,m=C;t=82;break}if(77==(0|R)){var
y=0|He.__str57227,m=C;t=82;break}if(78==(0|R)){var y=0|He.__str58228,m=C;t=82;break}if(79==(0|R)){var
y=0|He.__str59229,m=C;t=82;break}if(82==(0|R)){var O=4|o;Se[e]=O;var N=p+3|0;Se[a]=N;var
I=Ae[N]<<24>>24;if(48==(0|I)){Se[a]=p+4|0,Cr(s);var
P=(Pr(r,_,s,0),Se[_>>2]),D=Se[_+4>>2],L=Dr(r,0|He.__str60230,(ne=Oe,Oe+=8,Se[ne>>2]=P,Se[ne+4>>2]=D,ne)
),F=Se[a]-1|0;Se[a]=F;var y=L,m=F;t=82;break}if(49==(0|I)){Se[a]=p+4|0;var
X=Lr(r),j=Lr(r),U=Lr(r),x=Lr(r),z=Se[a]-1|0;Se[a]=z;var
V=Dr(r,0|He.__str61231,(ne=Oe,Oe+=16,Se[ne>>2]=X,Se[ne+4>>2]=j,Se[ne+8>>2]=U,Se[ne+12>>2]=x,ne)),y=V
,m=Se[a];t=82;break}if(50==(0|I)){var y=0|He.__str62232,m=N;t=82;break}if(51==(0|I)){var
y=0|He.__str63233,m=N;t=82;break}if(52==(0|I)){var y=0|He.__str64234,m=N;t=82;break}var
y=0,m=N;t=82;break}if(83==(0|R)){var y=0|He.__str65235,m=C;t=82;break}if(84==(0|R)){var
y=0|He.__str66236,m=C;t=82;break}if(85==(0|R)){var y=0|He.__str67237,m=C;t=82;break}if(86==(0|R)){var
y=0|He.__str68238,m=C;t=82;break}if(88==(0|R)){var y=0|He.__str69239,m=C;t=82;break}if(89==(0|R)){var
y=0|He.__str70240,m=C;t=82;break}var k=0;t=111;break}var k=0;t=111;break}var
y=0|He.__str1171,m=E;t=82}while(0);do{if(81==t){var g;Se[a]=p+2|0;var B=g;t=83;break}if(82==t){var
m,y;if(Se[a]=m+1|0,1==(0|w)||2==(0|w)){var B=w;t=83;break}if(4==(0|w)){var T=y;t=84;break}if(6!=(0|w)){var
S=y,M=w;t=88;break}Cr(n);var H=Xr(r,n,0,60,62);if(0==(0|H))var K=y;else var
Y=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=y,Se[ne+4>>2]=H,ne)),K=Y;var K;Se[i+6]=0;var
S=K,M=w;t=88;break}}while(0);if(83==t){var B,G=r+40|0,W=Fr(r,0|He.__symbol_demangle_dashed_null,-
1,G);if(0==(0|W)){var k=0;t=111;break}var d=B;t=90;break}if(84==t){var T;Se[i+4]=T;var
Z=1,Q=T;t=109;break}if(88==t){var M,S,q=r+40|0,$=Fr(r,S,-1,q);if(0==(0|$)){var k=0;t=111;break}var
d=M;t=90;break}}else{if(c<<24>>24==36){var J=b+2|0;Se[a]=J;var rr=jr(r);Se[i+4]=rr;var
ar=0!=(0|rr)&1;t=107;break}var d=0;t=90}while(0);if(90==t){var
d,er=Me[a],ir=Ae[er]<<24>>24;if(64==(0|ir))Se[a]=er+1|0;else if(36==(0|ir))t=93;else{var
vr=zr(r);if(0==(0|vr)){var k=-1;t=111;break}}if(5==(0|d)){var tr=r+20|0,fr=Se[tr>>2]+1|0;Se[tr>>2]=fr}else
if(1==(0|d)||2==(0|d)){if(Me[i+11]>>>0<2){var k=-1;t=111;break}var
_r=r+56|0,sr=Me[_r>>2],nr=Se[sr+4>>2];if(1==(0|d))Se[sr>>2]=nr;else{var
or=Dr(r,0|He.__str71241,(ne=Oe,Oe+=4,Se[ne>>2]=nr,ne)),lr=Se[_r>>2];Se[lr>>2]=or}var
br=4|Se[e];Se[e]=br}else if(3==(0|d)){var kr=Se[e]&-5;Se[e]=kr}var ur=ge[Se[a]];if((ur-48&255&255)<10)var
cr=Vr(r),ar=cr;else if((ur-65&255&255)<26)var hr=Br(r,3==(0|d)&1),ar=hr;else{if(ur<<24>>24!=36){var k=-
1;t=111;break}var dr=Hr(r),ar=dr}}var ar;if(0==(0|ar)){var k=-1;t=111;break}var Z=ar,Q=Se[i+4];t=109;break}var
wr=Pr(r,f,0,0);if(0==(0|wr)){var k=-1;t=111;break}var
pr=Se[f>>2],Er=Se[f+4>>2],Ar=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=pr,Se[ne+4>>2]=Er,ne));Se[i+4]=A
r;var Z=1,Q=Ar;t=109;break}while(0);do if(109==t){var Q,Z;if(0!=(0|Q)){var
k=Z;break}Xa(0|He.__str72242,1499,0|He.__func__symbol_demangle,0|He.__str73243);var k=Z}while(0);var
k;return Oe=v,k}function Pr(r,a,e,i){var v,t,f,_=Oe;Oe+=24;var
s=_,n=_+4,o=_+8,l=_+16,b=_+20;0==(0|a)&&Xa(0|He.__str72242,829,0|He.__func__demangle_datatype,0|He._
_str121291);var f=(a+4|0)>>2;Se[f]=0;var t=(0|a)>>2;Se[t]=0;var v=(r+12|0)>>2,k=Me[v],u=k+1|0;Se[v]=u;var
c=Ae[k],h=c<<24>>24;do if(95==(0|h)){Se[v]=k+2|0;var d=Ae[u],w=Zr(d);Se[t]=w}else
if(67==(0|h)||68==(0|h)||69==(0|h)||70==(0|h)||71==(0|h)||72==(0|h)||73==(0|h)||74==(0|h)||75==(0|h)||77==(0|h)||78=
=(0|h)||79==(0|h)||88==(0|h)||90==(0|h)){var p=Qr(c);Se[t]=p}else
if(84==(0|h)||85==(0|h)||86==(0|h)||89==(0|h)){var E=qr(r);if(0==(0|E))break;var A=0==(32768&Se[r>>2])|0;do
if(A)if(84==(0|h))var g=0|He.__str122292;else if(85==(0|h))var g=0|He.__str123293;else if(86==(0|h))var
g=0|He.__str124294;else{if(89!=(0|h)){var g=0;break}var g=0|He.__str125295}else var g=0;while(0);var
g,y=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=g,Se[ne+4>>2]=E,ne));Se[t]=y}else
if(63==(0|h))if(0==(0|i))$r(a,r,e,63,0);else{var m=Lr(r);if(0==(0|m))break;var
S=Dr(r,0|He.__str126296,(ne=Oe,Oe+=4,Se[ne>>2]=m,ne));Se[t]=S}else if(65==(0|h)||66==(0|h))$r(a,r,e,c,i);else
if(81==(0|h)||82==(0|h)||83==(0|h)){var M=0==(0|i)?80:c;$r(a,r,e,M,i)}else if(80==(0|h))if(((Ae[u]<<24>>24)-

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48|0)>>>0<10){var C=k+2|0;if(Se[v]=C,Ae[u]<<24>>24!=54)break;var R=r+44|0,T=Se[R>>2];Se[v]=k+3|0;var
O=Ae[C],N=Se[r>>2]&&-17,I=Ur(O,s,n,N);if(0==(0|I))break;var P=Pr(r,o,e,0);if(0==(0|P))break;var
D=Xr(r,e,1,40,41);if(0==(0|D))break;Se[R>>2]=T;var
L=Se[o>>2],F=Se[o+4>>2],X=Se[s>>2],j=Dr(r,0|He.__str127297,(ne=Oe,Oe+=12,Se[ne>>2]=L,Se[ne+4>>2]=F,S
e[ne+8>>2]=X,ne));Se[t]=j;var U=Dr(r,0|He.__str128298,(ne=Oe,Oe+=4,Se[ne>>2]=D,ne));Se[f]=U}else
$(r,a,r,e,80,i);else if(87==(0|h)){if(Ae[u]<<24>>24!=52)break;Se[v]=k+2|0;var
x=qr(r);if(0==(0|x))break;if(0==(32768&Se[r>>2]|0)){var
z=Dr(r,0|He.__str129299,(ne=Oe,Oe+=4,Se[ne>>2]=x,ne));Se[t]=z}else Se[t]=x}else
if(48==(0|h)||49==(0|h)||50==(0|h)||51==(0|h)||52==(0|h)||53==(0|h)||54==(0|h)||55==(0|h)||56==(0|h)||57==(0|h)){var
V=h<<1,B=V-96|0,H=Yr(e,B);Se[t]=H;var K=V-95|0,Y=Yr(e,K);Se[f]=Y}else if(36==(0|h)){var
G=k+2|0;Se[v]=G;var W=Ae[u]<<24>>24;if(48==(0|W)){var Z=Lr(r);Se[t]=Z}else if(68==(0|W)){var
Q=Lr(r);if(0==(0|Q))break;var q=Dr(r,0|He.__str130300,(ne=Oe,Oe+=4,Se[ne>>2]=Q,ne));Se[t]=q}else
if(70==(0|W)){var $=Lr(r);if(0==(0|$))break;var J=Lr(r);if(0==(0|J))break;var
rr=Dr(r,0|He.__str131301,(ne=Oe,Oe+=8,Se[ne>>2]=$,Se[ne+4>>2]=J,ne));Se[t]=rr}else if(71==(0|W)){var
ar=Lr(r);if(0==(0|ar))break;var er=Lr(r);if(0==(0|er))break;var ir=Lr(r);if(0==(0|ir))break;var
vr=Dr(r,0|He.__str132302,(ne=Oe,Oe+=12,Se[ne>>2]=ar,Se[ne+4>>2]=er,Se[ne+8>>2]=ir,ne));Se[t]=vr}else
if(81==(0|W)){var tr=Lr(r);if(0==(0|tr))break;var
fr=Dr(r,0|He.__str133303,(ne=Oe,Oe+=4,Se[ne>>2]=tr,ne));Se[t]=fr}else{if(36!=(0|W))break;if(Ae[G]<<24>>24!=
67)break;Se[v]=k+3|0;var _r=xr(r,l,b);if(0==(0|_r))break;var sr=Pr(r,a,e,i);if(0==(0|sr))break;var
nr=Se[t],or=Se[l>>2],lr=Dr(r,0|He.__str83253,(ne=Oe,Oe+=8,Se[ne>>2]=nr,Se[ne+4>>2]=or,ne));Se[t]=lr} }while(
0);var br=0!==(0|Se[t])&&1;return Oe=_br}function Dr(r,a){var e,i=Oe;Oe+=4;var
v=i,e=v>>2,t=v;Se[t>>2]=arguments[Dr.length];var f=1,_=0;r:for(;;){var
_f,s=Ae[a+_|0];do{if(s<<24>>24==0)break r;if(s<<24>>24==37){var
n=_+1|0,o=Ae[a+n|0]<<24>>24;if(115==(0|o)){var l=Se[e],b=1,k=l+4|0;Se[e]=k;var u=Se[b>>2];if(0==(0|u)){var
c=f,h=n;break}var d=Ca(u),c=d+f|0,h=n;break}if(99==(0|o)){var w=Se[e]+4|0;Se[e]=w;var
c=f+1|0,h=n;break}if(37==(0|o))var p=n;else var p=_;var p,c=f+1|0,h=p}else var c=f+1|0,h=_}while(0);var
h,c,f=c,_=h+1|0}var E=W(r,f);if(0==(0|E))var A=0;else{Se[t>>2]=arguments[Dr.length];var g=E,y=0;r:for(;;){var
y,g,m=Ae[a+y|0];do{if(m<<24>>24==0)break r;if(m<<24>>24==37){var
S=y+1|0,M=Ae[a+S|0]<<24>>24;if(115==(0|M)){var C=Se[e],R=C,T=C+4|0;Se[e]=T;var
O=Se[R>>2];if(0==(0|O)){var N=g,I=S;break}var P=Ca(O);Pa(g,O,P,1);var N=g+P|0,I=S;break}if(99==(0|M)){var
D=Se[e],L=D,F=D+4|0;Se[e]=F,Ae[g]=255&Se[L>>2];var N=g+1|0,I=S;break}if(37==(0|M))var X=S;else var
X=y;var X;Ae[g]=37;var N=g+1|0,I=X}else{Ae[g]=m;var N=g+1|0,I=y} }while(0);var
I,N,g=N,y=I+1|0}Ae[g]=0;var A=E}var A;return Oe=i,A}function Lr(r){var
a,a=(r+12|0)>>2,e=Se[a],i=Ae[e];if(i<<24>>24==63){var v=e+1|0;Se[a]=v;var t=1,f=v,_=Ae[v]}else var
t=0,f=e,_=i;var _f,t,s=(-48&255&255)<9;do if(s){var n=W(r,3),o=0!==(0|t);o&&(Ae[n]=45);var
l=Ae[Se[a]+1+255];Ae[n+t|0]=l;var b=o?2:1;\nAe[n+b|0]=0;var k=Se[a]+1|0;Se[a]=k;var u=n}else
if(_<<24>>24==57){var c=W(r,4),h=0!==(0|t);h&&(Ae[c]=45),Ae[c+t|0]=49;var d=h?2:1;Ae[c+d|0]=48;var
w=h?3:2;Ae[c+w|0]=0;var p=Se[a]+1|0;Se[a]=p;var u=c}else{if((-65&255&255)>=16){var u=0;break}for(var
E=0,A=f;){var A,E,g=A+1|0;Se[a]=g;var y=(Ae[A]<<24>>24)+((E<<4)-65)|0,m=ge[g];if((m-
65&255&255)>=16)break;var E=y,A=g}if(m<<24>>24!=64){var u=0;break}var
S=W(r,17),M=0!==(0|t)?0|He.__str119289:0|ii,C=(za(S,0|He.__str118288,(ne=Oe,Oe+=8,Se[ne>>2]=M,Se[ne+4>>
2]=y,ne)),Se[a]+1|0);Se[a]=C;var u=S}while(0);var u;return u}function Fr(r,a,e,i){var
v,t,f,_;0==(0|a)&&Xa(0|He.__str72242,212,0|He.__func__str_array_push,0|He.__str115285),0==(0|i)&&Xa(0|He
.__str72242,213,0|He.__func__str_array_push,0|He.__str116286);var
f=(i+12|0)>>2,s=Me[f],n=0==(0|s);do{if(n){Se[f]=32;var o=W(r,128);if(0==(0|o)){var
l=0;_=17;break}Se[i+16>>2]=o,_=11;break}if(Me[i+8>>2]>>>0<s>>>0){_=11;break}var
b=s<<3,k=W(r,b);if(0==(0|k)){var l=0;_=17;break}var u=k,c=i+16|0,h=Se[c>>2],d=Se[f]<<2;Pa(k,h,d,1);var
w=Se[f]<<1;Se[f]=w,Se[c>>2]=u,_=11;break} }while(0);do if(11==_){if((0|e)==-1)var p=Ca(a),E=p;else var E=e;var

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E,A=ja(a),g=E+1|0,y=Wr(r,g),t=(i+4|0)>>2,v=(i+16|0)>>2,m=(Se[t]<<2)+Se[v]|0;Se[m>>2]=y;var
S=Se[Se[v]+(Se[t]<<2)>>2];if(0==(0|S)){Xa(0|He.__str72242,233,0|He.__func__str_array_push,0|He.__str11728
7);var M=Se[Se[v]+(Se[t]<<2)>>2]}else var M=S;var
M;Pa(M,A,E,1),va(A),Ae[Se[Se[v]+(Se[t]<<2)>>2]+g|0]=0;var C=Se[t]+1|0;Se[t]=C;var
R=i+8|0;if(C>>>0<Me[R>>2]>>>0){var l=1;break}Se[R>>2]=C;var l=1}while(0);var l;return l}function
Xr(r,a,e,i,v){var t,f,_=Oe;Oe+=28;var s,n=_,o=_+8;Cr(o);var f=(r+12|0)>>2,l=0==(0|e),t=(0|n)>>2,b=n+4|0;r:do
if(l)for(;;){var k=Se[f],u=Ae[k];if(u<<24>>24==0){s=12;break r}if(u<<24>>24==64){var c=k;s=7;break r}var
h=Pr(r,n,a,1);if(0==(0|h)){var d=0;s=25;break r}var
w=Se[t],p=Se[b>>2],E=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=w,Se[ne+4>>2]=p,ne)),A=Fr(r,E,-
1,o);if(0==(0|A)){var d=0;s=25;break r}var g=Se[t],y=Da(g,0|He.__str110280);if(0==(0|y)){s=12;break r} else
for(;;){var m=Se[f],S=Ae[m];if(S<<24>>24==0){s=12;break r}if(S<<24>>24==64){var c=m;s=7;break r}var
M=Pr(r,n,a,1);if(0==(0|M)){var d=0;s=25;break r}var C=Se[t],R=Da(C,0|He.__str84254);if(0==(0|R)){s=13;break
r}var T=Se[b>>2],O=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=C,Se[ne+4>>2]=T,ne)),N=Fr(r,O,-
1,o);if(0==(0|N)){var d=0;s=25;break r}var I=Se[t],P=Da(I,0|He.__str110280);if(0==(0|P)){s=12;break
r}}while(0);do if(7==s){var c;Se[f]=c+1|0,s=12;break}while(0);do
if(12==s){if(l){s=14;break}s=13;break}while(0);do if(13==s){var
D=Se[f],L=D+1|0;if(Se[f]=L,Ae[D]<<24>>24==90){s=14;break}var d=0;s=25;break}while(0);r:do if(14==s){var
F=o+4|0,X=Me[F>>2];do{if(0!=(0|X)){if(1==(0|X)){var
j=o+16|0,U=Se[Se[j>>2]>>2]},x=Da(U,0|He.__str84254);if(0==(0|x)){s=17;break}var z=j;s=20;break}var
V=o+16|0;if(X>>>0<=1){var z=V;s=20;break}for(var B=0,H=1;;){var
H,B,K=Se[Se[V>>2]+(H<<2)>>2],Y=Dr(r,0|He.__str112282,(ne=Oe,Oe+=8,Se[ne>>2]=B,Se[ne+4>>2]=K,ne)),G
=H+1|0;if(G>>>0>=Me[F>>2]>>>0)break;var B=Y,H=G}if(0==(0|Y)){var z=V;s=20;break}var
W=Y,Z=Y;s=21;break}s=17}while(0);if(17==s){var
Q=i<<24>>24,q=v<<24>>24,$=Dr(r,0|He.__str111281,(ne=Oe,Oe+=8,Se[ne>>2]=Q,Se[ne+4>>2]=q,ne)),d=$;brea
k}if(20==s)var z,W=Se[Se[z>>2]>>2],Z=0;var Z,W,J=v<<24>>24,rr=v<<24>>24==62;do if(rr){var
ar=Ca(W);if(Ae[W+(ar-1)|0]<<24>>24!=62)break;var
er=i<<24>>24,ir=Se[Se[o+16>>2]>>2],vr=Dr(r,0|He.__str113283,(ne=Oe,Oe+=16,Se[ne>>2]=er,Se[ne+4>>2]=ir,
Se[ne+8>>2]=Z,Se[ne+12>>2]=J,ne)),d=vr;break r}while(0);var
tr=i<<24>>24,fr=Se[Se[o+16>>2]>>2],_r=Dr(r,0|He.__str114284,(ne=Oe,Oe+=16,Se[ne>>2]=tr,Se[ne+4>>2]=fr,S
e[ne+8>>2]=Z,Se[ne+12>>2]=J,ne)),d=_r}while(0);var d;return Oe=_d}function jr(r){var a,e=Oe;Oe+=20;var
i=e,v=r+24|0,t=Se[v>>2],a=(r+20|0)>>2,f=Se[a],_=r+44|0,s=Se[_>>2];Se[a]=t;var n=Kr(r);if(0==(0|n))var
o=0;else{Cr(i);var l=Xr(r,i,0,60,62);if(0==(0|l))var b=n;else var
k=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=n,Se[ne+4>>2]=l,ne)),b=k;var
b;Se[v>>2]=t,Se[a]=f,Se[_>>2]=s;var o=b}var o;return Oe=e,o}function Ur(r,a,e,i){var
v,t=a>>2;Se[e>>2]=0,Se[t]=0;var f=0==(18&i|0);do{if(f){var _r<<24>>24,s=1==((_-
65)%2|0);if(0==(1&i|0)){if(s?Se[e>>2]=0|He.__str95265:v=14,65==(0|_)||66==(0|_)){Se[t]=0|He.__str96266,v=21;
break}if(67==(0|_)||68==(0|_)){Se[t]=0|He.__str97267,v=21;break}if(69==(0|_)||70==(0|_)){Se[t]=0|He.__str98268,
v=21;break}if(71==(0|_)||72==(0|_)){Se[t]=0|He.__str99269,v=21;break}if(73==(0|_)||74==(0|_)){Se[t]=0|He.__str
100270,v=21;break}if(75==(0|_)||76==(0|_)){v=21;break}if(77==(0|_)){Se[t]=0|He.__str101271,v=21;break}var
n=0;v=22;break}if(s?Se[e>>2]=0|He.__str88258:v=5,65==(0|_)||66==(0|_)){Se[t]=0|He.__str89259,v=21;break}if(6
7==(0|_)||68==(0|_)){Se[t]=0|He.__str90260,v=21;break}if(69==(0|_)||70==(0|_)){Se[t]=0|He.__str91261,v=21;brea
k}if(71==(0|_)||72==(0|_)){Se[t]=0|He.__str92262,v=21;break}if(73==(0|_)||74==(0|_)){Se[t]=0|He.__str93263,v=2
1;break}if(75==(0|_)||76==(0|_)){v=21;break}if(77==(0|_)){Se[t]=0|He.__str94264,v=21;break}var
n=0;v=22;break}v=21}while(0);if(21==v)var n=1;var n;return n}function xr(r,a,e){var i;Se[e>>2]=0;var
i=(r+12|0)>>2,v=Se[i];if(Ae[v]<<24>>24==69){Se[e>>2]=0|He.__str102272;var t=Se[i]+1|0;Se[i]=t;var f=t}else
var f=v;var f;Se[i]=f+1|0;var _=Ae[f]<<24>>24;if(65==(0|_)){Se[a>>2]=0;var s=1} else
if(66==(0|_)){Se[a>>2]=0|He.__str103273;var s=1} else if(67==(0|_)){Se[a>>2]=0|He.__str104274;var s=1} else
if(68==(0|_)){Se[a>>2]=0|He.__str105275;var s=1} else var s=0;var s;return s}function zr(r){var

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a,e,a=(r+12|0)>>2,i=r+40|0,v=r+20|0,t=0|i,f=r+44|0,_,r+48|0,s=r+52|0,n=r+56|0,o=r+20|0,l=r+24|0,b=r+16|0,k=0;r:
for(;;){var k,u=Se[a],c=Ae[u];if(c<<24>>24==64){var h=u+1|0;Se[a]=h;var d=1;break}var
w=c<<24>>24;do{if(0==(0|w)){var d=0;break
r}|if(48==(0|w)||49==(0|w)||50==(0|w)||51==(0|w)||52==(0|w)||53==(0|w)||54==(0|w)||55==(0|w)||56==(0|w)||57==(0|
w))){var p=u+1|0;Se[a]=p;var E=(Ae[u]<<24>>24)-48|0,A=Yr(v,E),g=A,e=14;break}if(63==(0|w)){var
y=u+1|0;Se[a]=y;var m=Ae[y]<<24>>24;if(36==(0|m)){var S=u+2|0;Se[a]=S;var M=jr(r);if(0==(0|M)){var
d=0;break r}var C=Fr(r,M,-1,v);if(0==(0|C)){var d=0;break r}var R=M;e=15;break}if(63==(0|m)){var
T=Se[t>>2],O=Se[f>>2],N=Se[_>>2],I=Se[s>>2],P=Se[n>>2],D=Se[o>>2],L=Se[l>>2];Cr(i);var
F=Ir(r);if(0==(0|F))var X=k;else var
j=Se[b>>2],U=Dr(r,0|He.__str109279,(ne=Oe,Oe+=4,Se[ne>>2]=j,ne)),X=U;var
X;Se[o>>2]=D,Se[l>>2]=L,Se[t>>2]=T,Se[f>>2]=O,Se[_>>2]=N,Se[s>>2]=I,Se[n>>2]=P;var g=X;e=14;break}var
x=Lr(r);if(0==(0|x)){var d=0;break r}var
z=Dr(r,0|He.__str109279,(ne=Oe,Oe+=4,Se[ne>>2]=x,ne)),g=z;e=14;break}var
V=Kr(r),g=V;e=14;break}while(0);if(14==e){var g;if(0==(0|g)){var d=0;break}var R=g}var R,B=Fr(r,R,-
1,i);if(0==(0|B)){var d=0;break}var k=R}var d;return d}function Vr(r){var a,e,i,v=Oe;Oe+=36;var
t,f=v,i=f>>2,_,v+4,s=v+8,e=s>>2,n=v+16;Se[i]=0;var o=0|r,l=Se[o>>2],b=0==(128&l|0),k=r+12|0;do if(b){var
u=Ae[Se[k>>2]]<<24>>24;if(48==(0|u))var c=0|He.__str76246,h=k,a=h>>2;else if(49==(0|u))var
c=0|He.__str77247,h=k,a=h>>2;else{if(50!=(0|u)){var c=0,h=k,a=h>>2;break}var
c=0|He.__str78248,h=k,a=h>>2}}else var c=0,h=k,a=h>>2;while(0);var h,c,d=0==(512&l|0);do if(d){if((Ae[Se[a]-
48&255&255]>=3){var w=0;break}var w=0|He.__str79249}else var w=0;while(0);var
w,p=Gr(r,0),E=Se[a],A=E+1|0;Se[a]=A;var
g=Ae[E]<<24>>24;do{if(48==(0|g)||49==(0|g)||50==(0|g)||51==(0|g)||52==(0|g)||53==(0|g))){var
y=r+44|0,m=Se[y>>2];Cr(n);var S=Pr(r,s,n,0);if(0==(0|S)){var M=0;t=28;break}var C=xr(r,f,_);if(0==(0|C)){var
M=0;t=28;break}var R=Se[i],T=0==(0|R),O=Se[_>>2];do if(T)Se[i]=O;else{if(0==(0|O))break;var
N=Dr(r,0|He.__str83253,(ne=Oe,Oe+=8,Se[ne>>2]=R,Se[ne+4>>2]=O,ne));Se[i]=N}while(0);Se[y>>2]=m,t=22;br
eak}if(54==(0|g)||55==(0|g)){var I=s+4|0;Se[I>>2]=0,Se[e]=0;var P=xr(r,f,_);if(0==(0|P)){var
M=0;t=28;break}if(Ae[Se[a]]<<24>>24==64){t=22;break}var D=qr(r);if(0==(0|D)){var M=0;t=28;break}var
L=Dr(r,0|He.__str107277,(ne=Oe,Oe+=4,Se[ne>>2]=D,ne));Se[l>>2]=L,t=22;break}if(56==(0|g)||57==(0|g)){Se[e
+1]=0,Se[e]=0,Se[i]=0,t=22;break}var M=0;t=28}while(0);if(22==t){var F=0==(4096&Se[o>>2]|0);do{if(F){var
X=Se[e],j=Se[i];if(0==(0|j)){var U=X;t=26;break}var
x=0!=(0|X)?0|He.__str87257:0,z=0|He.__str87257,V=j,B=x,H=X;t=27;break}Se[i]=0,Se[e+1]=0,Se[e]=0;var
U=0;t=26;break}while(0);if(26==t)var U,K=0!=(0|U)?0|He.__str87257:0,z=K,V=0,B=0,H=U;var
H,B,V,z,Y=Se[e+1],G=Dr(r,0|He.__str108278,(ne=Oe,Oe+=32,Se[ne>>2]=c,Se[ne+4>>2]=w,Se[ne+8>>2]=H,Se[n
e+12>>2]=B,Se[ne+16>>2]=V,Se[ne+20>>2]=z,Se[ne+24>>2]=p,Se[ne+28>>2]=Y,ne));Se[r+16>>2]=G;var
M=1}var M;return Oe=v,M}function Br(r,a){var e,i,v,t,f=Oe;Oe+=44;var
_,s=f,t=s>>2,n=f+8,o=f+12,v=o>>2,l=f+16,b=f+20,k=f+40;Se[v]=0;var i=(r+12|0)>>2,u=Se[i],c=u+1|0;Se[i]=c;var
h=ge[u],d=h<<24>>24,w=(h-65&255&255)>25;r:do if(w)var p=0;else{var
e=(0|r)>>2,E=Me[e],A=0==(128&E|0),g=d-65|0;do if(A){var y=g/8|0;if(0==(0|y))var m=0|He.__str76246,S=g;else
if(1==(0|y))var m=0|He.__str77247,S=g;else{if(2!=(0|y)){var m=0,S=g;break}var m=0|He.__str78248,S=g}}else
var m=0,S=g;while(0);var S,m,M=0==(512&E|0)&h<<24>>24<89,C=(0|S)%8;do if(M)if(2==(0|C)||3==(0|C))var
R=m,T=0|He.__str79249;else if(4==(0|C)||5==(0|C))var R=m,T=0|He.__str80250;else{if(6!=(0|C)&&7!=(0|C)){var
R=m,T=0;break}var O=Dr(r,0|He.__str81251,(ne=Oe,Oe+=4,Se[ne>>2]=m,ne)),R=O,T=0|He.__str80250}else var
R=m,T=0;while(0);var T,R,N=Gr(r,0),I=6==(0|C);do{if(!I){if(7==((d-56)%8|0)){_ =14;break}var
P=N;_ =15;break}_ =14}while(0);if(14==_)var
D=Lr(r),L=Dr(r,0|He.__str82252,(ne=Oe,Oe+=8,Se[ne>>2]=N,Se[ne+4>>2]=D,ne)),P=L;var
P,F=h<<24>>24>88;do if(F)var X=0;else{if((C-2|0)>>>0<2){var X=0;break}var j=xr(r,o,k);if(0==(0|j)){var
p=0;break r}var U=Me[v],x=Se[k>>2];if(0==(0|U)&0==(0|x)){var X=0;break}var
z=Dr(r,0|He.__str83253,(ne=Oe,Oe+=8,Se[ne>>2]=U,Se[ne+4>>2]=x,ne));Se[v]=z;var X=z}while(0);var

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X,V=Se[i],B=V+1|0;Se[i]=B;var H=Ae[V],K=Se[e],Y=Ur(H,n,l,K);if(0==(0|Y)){var p=0;break}Cr(b);var
G=Se[i];if(Ae[G]<<24>>24==64){Se[t]=0|He.__str84254,Se[t+1]=0;var W=G+1|0;Se[i]=W}else{var
Z=Pr(r,s,b,0);if(0==(0|Z)){var p=0;break}}if(0!=(4&Se[e]|0)&&(Se[t+1]=0,Se[t]=0),0==(0|a))var Q=P;else{var
q=0|s,$=Se[q>>2],J=s+4|0,rr=Se[J>>2],ar=Dr(r,0|He.__str85255,(ne=Oe,Oe+=12,Se[ne>>2]=P,Se[ne+4>>2]=$,Se[
ne+8>>2]=rr,ne));Se[J>>2]=0,Se[q>>2]=0;var Q=ar}var
Q,er=r+44|0,ir=Se[er>>2],vr=Xr(r,b,l,40,41);if(0==(0|vr)){var p=0;break}if(0==(4096&Se[e]|0))var
tr=vr,fr=X;else{Se[v]=0;var tr=0,fr=0}var fr,tr;Se[er>>2]=ir;var _r=Se[t],sr=Se[t+1];if(0==(0|_r))var nr=0;else var
or=0|!(0|sr)?0:0|He.__str87257,nr=or;var
nr,lr=Se[n>>2],br=0|!(0|lr)?0:0|He.__str87257:0,kr=Se[l>>2],ur=Dr(r,0|He.__str86256,(ne=Oe,Oe+=44,Se[ne>>2]=
R,Se[ne+4>>2]=T,Se[ne+8>>2]=_r,Se[ne+12>>2]=nr,Se[ne+16>>2]=lr,Se[ne+20>>2]=br,Se[ne+24>>2]=kr,Se[ne
+28>>2]=Q,Se[ne+32>>2]=tr,Se[ne+36>>2]=fr,Se[ne+40>>2]=sr,ne));Se[r+16>>2]=ur;var p=1}while(0);var
p;return Oe=f,p}function Hr(r){var a,a=(r+12|0)>>2,e=Se[a];if(Ae[e]<<24>>24==36)var
i=e;else{Xa(0|He.__str72242,1252,0|He.__func__handle_template,0|He.__str74244);var i=Se[a]}var
i;Se[a]=i+1|0;var v=Kr(r),t=0==(0|v);do if(t)var f=0;else{var _=Xr(r,0,0,60,62);if(0==(0|_)){var f=0;break}var
s=Dr(r,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=v,Se[ne+4>>2]=_));Se[r+16>>2]=s;var f=1}while(0);var
f;return f}function Kr(r){for(var a,a=(r+12|0)>>2,e=Me[a],i=e,v=Ae[e];){var v,i;if(!((v-65&255&255)<26|(v-
97&255&255)<26|(v-48&255&255)<10)&&v<<24>>24!=95&&v<<24>>24!=36){var t=0;break}var
f=i+1|0;Se[a]=f;var _=ge[f];if(_<<24>>24==64){Se[a]=i+2|0;var s=f-e|0,n=r+20|0,o=Fr(r,e,s,n);if(0==(0|o)){var
t=0;break}var l=Se[r+24>>2]-1-Se[n>>2]|0,b=Yr(n,l),t=b;break}var i=f,v=_}var t;return t}function
Yr(r,a){0==(0|r)&&Xa(0|He.__str72242,263,0|He.__func__str_array_get_ref,0|He.__str75245);var
e=Se[r>>2]+a|0;if(e>>>0<Me[r+8>>2]>>>0)var i=Se[Se[r+16>>2]+(e<<2)>>2];else var i=0;var i;return i}function
Gr(r,a){var e,e=(r+44|0)>>2,i=Me[e];if(i>>>0>a>>>0){for(var v=r+56|0,t=a,f=0,_=Se[v>>2],s=i;){var
s,_f,t,n=Me[_+(t<<2)>>2];if(0==(0|n)){Xa(0|He.__str72242,680,0|He.__func__get_class_string,0|He.__str10627
6);var o=Se[v>>2],l=o,b=Se[o+(t<<2)>>2],k=Se[e]}else var l=_b=n,k=s;var
k,b,l,u=Ca(b),c=u+(f+2)|0,h=t+1|0;if(h>>>0>k>>>0)break;var t=h,f=c,_=l,s=k}var d=c-1|0}else var d=-1;var
d,w=Wr(r,d);if(0==(0|w))var p=0;else{var E=Se[e]-1|0,A=(0|E)<(0|a);r:do if(A)var g=0;else for(var
y=r+56|0,m=0,S=E;){var S,m,M=Se[Se[y>>2]+(S<<2)>>2],C=Ca(M),R=w+m|0;Pa(R,M,C,1);var
T=C+m|0;if((0|S)>(0|a)){var O=T+1|0;Ae[w+T|0]=58;var N=T+2|0;Ae[w+O|0]=58;var I=N}else var I=T;var I,P=S-
1|0;if((0|P)<(0|a)){var g=I;break r}var m=I,S=P}while(0);var g;Ae[w+g|0]=0;var p=w}var p;return p}function
Wr(r,a){var e,i=a>>>0>1020;do if(i){var v=Se[r+4>>2],t=a+4|0,f=pe[v](t);if(0==(0|f)){var _=0;break}var
s=r+60|0,n=Se[s>>2],o=f;Se[o>>2]=n,Se[s>>2]=f,Se[r+64>>2]=0;var _=f+4|0}else{var
e=(r+64|0)>>2,l=Me[e];if(l>>>0<a>>>0){var b=Se[r+4>>2],k=pe[b](1024);if(0==(0|k)){var _=0;break}var
u=r+60|0,c=Se[u>>2],h=k;Se[h>>2]=c,Se[u>>2]=k,Se[e]=1020;var d=1020,w=k}else var d=l,w=Se[r+60>>2];var
w,d;Se[e]=d-a|0;var _=w+(1024-d)|0}while(0);var _;return _}function Zr(r){var a=r<<24>>24;if(68==(0|a))var
e=0|He.__str157327;else if(69==(0|a))var e=0|He.__str158328;else if(70==(0|a))var e=0|He.__str159329;else
if(71==(0|a))var e=0|He.__str160330;else if(72==(0|a))var e=0|He.__str161331;else if(73==(0|a))var
e=0|He.__str162332;else if(74==(0|a))var e=0|He.__str163333;else if(75==(0|a))var e=0|He.__str164334;else
if(76==(0|a))var e=0|He.__str165335;else if(77==(0|a))var e=0|He.__str166336;else if(78==(0|a))var
e=0|He.__str167337;else if(79==(0|a))var e=0|He.__str168338;else var e=0;var e;return e}function Qr(r){var
a=r<<24>>24;if(67==(0|a))var e=0|He.__str145315;else if(68==(0|a))var e=0|He.__str146316;else if(69==(0|a))var
e=0|He.__str147317;else if(70==(0|a))var e=0|He.__str148318;else if(71==(0|a))var e=0|He.__str149319;else
if(72==(0|a))var e=0|He.__str150320;else if(73==(0|a))var e=0|He.__str151321;else if(74==(0|a))var
e=0|He.__str152322;else if(75==(0|a))var e=0|He.__str153323;else if(76==(0|a))var e=0|He.__str154324;else
if(77==(0|a))var e=0|He.__str155325;else if(78==(0|a))var e=0|He.__str156326;else if(79==(0|a))var
e=0|He.__str157327;else if(80==(0|a))var e=0|He.__str158328;else if(81==(0|a))var e=0|He.__str159329;else
if(82==(0|a))var e=0|He.__str160330;else if(83==(0|a))var e=0|He.__str161331;else if(84==(0|a))var
e=0|He.__str162332;else if(85==(0|a))var e=0|He.__str163333;else if(86==(0|a))var e=0|He.__str164334;else
if(87==(0|a))var e=0|He.__str165335;else if(88==(0|a))var e=0|He.__str166336;else if(89==(0|a))var
e=0|He.__str167337;else if(90==(0|a))var e=0|He.__str168338;else var e=0;var e;return e}function qr(r){var
a=r+44|0,e=Se[a>>2],i=zr(r);if(0==(0|i))var v=0;else var t=Gr(r,e),v=t;var v;return Se[a>>2]=e,v}function
$(r,a,e,i,v){var t,f,_s=Oe;Oe+=16;var n,o=s,_o>>2,l=s+4,b=s+8,f=b>>2;Se[l>>2]=0|ii;var
t=(a+12|0)>>2,k=Se[t];if(Ae[k]<<24>>24==69){Se[l>>2]=0|He.__str134304;var u=k+1|0;Se[t]=u;var

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c=0|He.__str134304}else var c=0|ii;var c,h=i<<24>>24;do{if(65==(0|h)){var
d=Dr(a,0|He.__str135305,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=d;n=10;break}if(66==(0|h)){var
p=Dr(a,0|He.__str136306,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=p;n=10;break}if(80==(0|h)){var
E=Dr(a,0|He.__str137307,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=E;n=10;break}if(81==(0|h)){var
A=Dr(a,0|He.__str138308,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=A;n=10;break}if(82==(0|h)){var
g=Dr(a,0|He.__str139309,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=g;n=10;break}if(83==(0|h)){var
y=Dr(a,0|He.__str140310,(ne=Oe,Oe+=4,Se[ne>>2]=c,ne)),w=y;n=10;break}if(63==(0|h)){var w=0|ii;n=10}else
n=31}while(0);r:do if(10==n){var w,m=xr(a,o,l);if(0==(0|m))break;var
S=a+44|0,M=Se[S>>2],C=Se[t],R=Ae[C]<<24>>24==89;a:do if(R){var T=C+1|0;Se[t]=T;var
O=Lr(a);if(0==(0|O))break r;var
N=Ha(O),I=Ae[w]<<24>>24==32,P=Se[_],D=0==(0|P);do{if(I){if(!D){n=17;break}var
L=w+1|0;n=18;break}if(D){var L=w;n=18;break}n=17;break}while(0);if(17==n){var
F=Dr(a,0|He.__str141311,(ne=Oe,Oe+=8,Se[ne>>2]=P,Se[ne+4>>2]=w,ne));Se[_]=0;var X=F}else if(18==n)var
L,j=Dr(a,0|He.__str142312,(ne=Oe,Oe+=4,Se[ne>>2]=L,ne)),X=j;var X;if(0==(0|N)){var U=X;break}for(var
x=X,z=N;){var z,x,V=z-
1|0,B=Lr(a),H=Dr(a,0|He.__str143313,(ne=Oe,Oe+=8,Se[ne>>2]=x,Se[ne+4>>2]=B,ne));if(0==(0|V)){var
U=H;break a}var x=H,z=V}}else var U=w;while(0);var U,K=Pr(a,b,e,0);if(0==(0|K))break;var
Y=Se[_];if(0==(0|Y)){var G=0==(0|v);do if(G){if(Ae[U]<<24>>24==0){var W=U;break}var
Z=U+1|0;if(Ae[Z]<<24>>24!=42){var W=U;break}var Q=Se[f],q=Ca(Q);if(Ae[Q+(q-1)|0]<<24>>24!=42){var
W=U;break}var W=Z}else var W=U;while(0);var
W,$=Se[f],J=Dr(a,0|He.__str170,(ne=Oe,Oe+=8,Se[ne>>2]=$,Se[ne+4>>2]=W,ne));Se[r>>2]=J}else{var
rr=Se[f],ar=Dr(a,0|He.__str144314,(ne=Oe,Oe+=12,Se[ne>>2]=rr,Se[ne+4>>2]=Y,Se[ne+8>>2]=U,ne));Se[r>>2]=
ar}var er=Se[f+1];Se[r+4>>2]=er,Se[S>>2]=M}while(0);Oe=s}function Jr(r){var
a,e=r>>>0<245;do{if(e){if(r>>>0<11)var i=16;else var i=r+11&-8;var
i,v=i>>>3,t=Me[vi>>2],f=t>>>(v>>>0);if(0!=(3&f|0))){var
_=(1&f^1)+v|0,s_<<1,n=(s<<2)+vi+40|0,o=(s+2<<2)+vi+40|0,l=Me[o>>2],b=l+8|0,k=Me[b>>2];if((0|n)==(0|k))S
e[vi>>2]=t&(1<<^-1);else{if(k>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[o>>2]=k,Se[k+12>>2]=n}var u_<<3;Se[l+4>>2]=3|u;var
c=l+(4|u)|0,h=1|Se[c>>2];Se[c>>2]=h;var d=b;a=38;break}if(i>>>0<=Me[vi+8>>2]>>>0){var
w=i;a=30;break}if(0!=(0|f)){var p=2<<<v,E=f<<<v&(p|p),A=(E&-E)-
1|0,g=A>>>12&16,y=A>>>(g>>>0),m=y>>>5&8,S=y>>>(m>>>0),M=S>>>2&4,C=S>>>(M>>>0),R=C>>>1&2,
T=C>>>(R>>>0),O=T>>>1&1,N=(m|g|M|R|O)+(T>>>(O>>>0))|0,I=N<<1,P=(I<<2)+vi+40|0,D=(I+2<<2)+vi+40|
0,L=Me[D>>2],F=L+8|0,X=Me[F>>2];if((0|P)==(0|X))Se[vi>>2]=t&(1<<N^
1);else{if(X>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[D>>2]=X,Se[X+12>>2]=P}var
j=N<<3,U=j-i|0;Se[L+4>>2]=3|i;var x=L,z=x+i|0;Se[x+(4|i)>>2]=1|U,Se[x+j>>2]=U;var
V=Me[vi+8>>2];if(0!=(0|V)){var
B=Se[vi+20>>2],H=V>>>2&1073741822,K=(H<<2)+vi+40|0,Y=Me[vi>>2],G=1<<<(V>>>3),W=0==(Y&G|0);do{
if(!W){var Z=(H+2<<2)+vi+40|0,Q=Me[Z>>2];if(Q>>>0>=Me[vi+16>>2]>>>0){var q=Q,$=Z;break}throw
Ka(),"Reached an unreachable!"}Se[vi>>2]=Y|G;var q=K,$=(H+2<<2)+vi+40|0}while(0);var
$,q;Se[$>>2]=B,Se[q+12>>2]=B;var J=B+8|0;Se[J>>2]=q;var
rr=B+12|0;Se[rr>>2]=K}Se[vi+8>>2]=U,Se[vi+20>>2]=z;var d=F;a=38;break}if(0==(0|Se[vi+4>>2])){var
w=i;a=30;break}var ar=r(ar);if(0==(0|ar)){var w=i;a=30;break}var d=ar;a=38;break}if(r>>>0>4294967231){var
w=-1;a=30;break}var er=r+11&-8;if(0==(0|Se[vi+4>>2])){var w=er;a=30;break}var ir=ea(er);if(0==(0|ir)){var
w=er;a=30;break}var d=ir;a=38;break}while(0);if(30==a){var w,vr=Me[vi+8>>2];if(w>>>0>vr>>>0){var
tr=Me[vi+12>>2];if(w>>>0<tr>>>0){var fr=tr-w|0;Se[vi+12>>2]=fr;var
_r=Me[vi+24>>2],sr=_r;Se[vi+24>>2]=sr+w|0,Se[w+(sr+4)>>2]=1|fr,Se[_r+4>>2]=3|w;var d=_r+8|0}else var
nr=aa(w),d=nr}else{var or=vr-w|0,lr=Me[vi+20>>2];if(or>>>0>15){var
br=lr;Se[vi+20>>2]=br+w|0,Se[vi+8>>2]=or,Se[w+(br+4)>>2]=1|or,Se[br+vr>>2]=or,Se[lr+4>>2]=3|w}else{Se[vi

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+8>>2]=0,Se[vi+20>>2]=0,Se[lr+4>>2]=3|vr;var kr=vr+(lr+4)|0,ur=1|Se[kr>>2];Se[kr>>2]=ur}var d=lr+8|0}var
d;return d}function ra(r){var a,e,i,v=Se[vi+4>>2],t=(v&-v)-
1|0,f=t>>>12&16,_=t>>>(f>>>0),s=_>>>5&8,n=_>>>(s>>>0),o=n>>>2&4,l=n>>>(o>>>0),b=l>>>1&2,k=l>>>(b
>>>0),u=k>>>1&1,c=Me[vi+((s|f|o|b|u)+(k>>>(u>>>0))<<2)+304>>2],h=c,e=h>>2,d=(Se[c+4>>2]&-8)-
r|0;r:for(;;)for(var d,h,w=h;){var w,p=Se[w+16>>2];if(0==(0|p)){var E=Se[w+20>>2];if(0==(0|E))break r;var
A=E}else var A=p;var A,g=(Se[A+4>>2]&-8)-r|0;if(g>>>0<d>>>0){var h=A,e=h>>2,d=g;continue r}var w=A}var
y=h,m=Me[vi+16>>2],S=y>>>0<m>>>0;do if(!S){var M=y+r|0,C=M;if(y>>>0>=M>>>0)break;var
R=Me[e+6],T=Me[e+3],O=(0|T)==(0|h);do if(O){var N=h+20|0,I=Se[N>>2];if(0==(0|I)){var
P=h+16|0,D=Se[P>>2];if(0==(0|D)){var L=0,a=L>>2;break}var F=P,X=D}else{var F=N,X=I;i=14}for(;;){var
X,F,j=X+20|0,U=Se[j>>2];if(0==(0|U)){var x=X+16|0,z=Me[x>>2];if(0==(0|z))break;var F=x,X=z}else var
F=j,X=U}if(F>>>0<m>>>0)throw Ka(),"Reached an unreachable!";Se[F>>2]=0;var L=X,a=L>>2}else{var
V=Me[e+2];if(V>>>0<m>>>0)throw Ka(),"Reached an unreachable!";Se[V+12>>2]=T,Se[T+8>>2]=V;var
L=T,a=L>>2}while(0);var L,B=0==(0|R);r:do if(!B){var
H=h+28|0,K=(Se[H>>2]<<2)+vi+304|0,Y=(0|h)==(0|Se[K>>2]);do{if(Y){if(Se[K>>2]=L,0!=(0|L))break;var
G=Se[vi+4>>2]&(1<<Se[H>>2]^-1);Se[vi+4>>2]=G;break r}if(R>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached
an unreachable!";var W=R+16|0;if((0|Se[W>>2])==(0|h)?Se[W>>2]=L:Se[R+20>>2]=L,0==(0|L))break
r}while(0);if(L>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[a+6]=R;var
Z=Me[e+4];if(0!=(0|Z)){if(Z>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+4]=Z,Se[Z+24>>2]=L}var
Q=Me[e+5];if(0==(0|Q))break;if(Q>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+5]=Q,Se[Q+24>>2]=L}while(0);if(d>>>0<16){var q=d+r|0;Se[e+1]=3|q;var
$=q+(y+4)|0,J=1|Se[$>>2];Se[$>>2]=J}else{Se[e+1]=3|r,Se[r+(y+4)>>2]=1|d,Se[y+d+r>>2]=d;var
rr=Me[vi+8>>2];if(0!=(0|rr)){var
ar=Me[vi+20>>2],er=rr>>>2&1073741822,ir=(er<<2)+vi+40|0,vr=Me[vi>>2],tr=1<<(rr>>>3),fr=0==(vr&tr|0);do{
if(!fr){var _r=(er+2<<2)+vi+40|0,sr=Me[_r>>2];if(sr>>>0>=Me[vi+16>>2]>>>0){var nr=sr,or=_r;break}throw
Ka(),"Reached an unreachable!";Se[vi>>2]=vr|tr;var nr=ir,or=(er+2<<2)+vi+40|0}while(0);var
or,nr;Se[or>>2]=ar,Se[nr+12>>2]=ar,Se[ar+8>>2]=nr,Se[ar+12>>2]=ir}Se[vi+8>>2]=d,Se[vi+20>>2]=C}return
h+8|0}while(0);throw Ka(),"Reached an unreachable!";}function aa(r){var a,e;0==(0|Se[ti>>2])&&ba();var
i=0==(4&Se[vi+440>>2]|0);do{if(i){var v=Se[vi+24>>2],t=0==(0|v);do{if(!t){var
f=v,_=ua(f);if(0==(0|_)){e=6;break}var s=Se[ti+8>>2],n=r+47-Se[vi+12>>2]+s&-
s;if(n>>>0>=2147483647){e=14;break}var o=re(n);if((0|o)==(Se[_>>2]+Se[_+4>>2]|0)){var
l=o,b=n,k=o;e=13;break}var u=o,c=n;e=15;break}e=6}while(0);do if(6==e){var h=re(0);if((0|h)==-
1){e=14;break}var d=Se[ti+8>>2],w=d+(r+47)&-d,p=h,E=Se[ti+4>>2],A=E-1|0;if(0==(A&p|0))var g=w;else var
g=w-p+(A+p&-E)|0;var g;if(g>>>0>=2147483647){e=14;break}var y=re(g);if((0|y)==(0|h)){var
l=h,b=g,k=y;e=13;break}var u=y,c=g;e=15;break}while(0);if(13==e){var k,b,l;if((0|l)!=-1){var
m=b,S=l;e=26;break}var u=k,c=b}else if(14==e){var M=4|Se[vi+440>>2];Se[vi+440>>2]=M,e=23;break}var
c,u,C=0|c,R=(0|u)!=-1&c>>>0<2147483647;do{if(R){if(c>>>0>=(r+48|0)>>>0){var T=c;e=21;break}var
O=Se[ti+8>>2],N=r+47-c+O&-O;if(N>>>0>=2147483647){var T=c;e=21;break}var I=re(N);if((0|I)==-
1){re(C);e=22;break}var T=N+c|0;e=21;break}var T=c;e=21}while(0);if(21==e){var T;if((0|u)!=-1){var
m=T,S=u;e=26;break}}var P=4|Se[vi+440>>2];Se[vi+440>>2]=P,e=23;break}e=23}while(0);do if(23==e){var
D=Se[ti+8>>2],L=D+(r+47)&-D;if(L>>>0>=2147483647){e=49;break}var F=re(L),X=re(0);if(!((0|X)!=-
1&(0|F)!=-1&F>>>0<X>>>0)){e=49;break}var j=X-F|0;if(j>>>0<=(r+40|0)>>>0|(0|F)==-1){e=49;break}var
m=j,S=F;e=26;break}while(0);r:do if(26==e){var
S,m,U=Se[vi+432>>2]+m|0;Se[vi+432>>2]=U,U>>>0>Me[vi+436>>2]>>>0&&(Se[vi+436>>2]=U);var
x=Me[vi+24>>2],z=0==(0|x);a:do if(z){var
V=Me[vi+16>>2];0==(0|V)|S>>>0<V>>>0&&(Se[vi+16>>2]=S),Se[vi+444>>2]=S,Se[vi+448>>2]=m,Se[vi+456
>>2]=0;var B=Se[ti>>2];Se[vi+36>>2]=B,Se[vi+32>>2]=-1,ha(),ca(S,m-40|0)}else{for(var
H=vi+444|0,a=H>>2;){var H;if(0==(0|H))break;var

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K=Me[a],Y=H+4|0,G=Me[Y>>2],W=K+G|0;if((0|S)==(0|W)){if(0!=(8&&Se[a+3]|0))break;var
Z=x;if(!(Z>>>0>=K>>>0&Z>>>0<W>>>0))break;Se[Y>>2]=G+m|0;var
Q=Se[vi+24>>2],q=Se[vi+12>>2]+m|0;ca(Q,q);break a }var
H=Se[a+2],a=H>>2 }S>>>0<Me[vi+16>>2]>>>0&&(Se[vi+16>>2]=S);for(var $=S+m|0,J=vi+444|0;){ var
J;if(0==(0|J))break;var rr=0,J,ar=Me[rr>>2];if((0|ar)==(0|$)){if(0!=(8&&Se[J+12>>2]|0))break;Se[rr>>2]=S;var
er=J+4|0,ir=Se[er>>2]+m|0;Se[er>>2]=ir;var vr=da(S,ar,r),tr=vr;e=50;break r }var
J=Se[J+8>>2]}Ma(S,m)}while(0);var fr=Me[vi+12>>2];if(fr>>>0<=r>>>0){e=49;break } var _r=fr-
r|0;Se[vi+12>>2]=_r;var sr=Me[vi+24>>2],nr=sr;Se[vi+24>>2]=nr+r|0,Se[r+(nr+4)>>2]=1|_r,Se[sr+4>>2]=3|r;var
tr=sr+8|0;e=50;break }while(0);if(49==e){ var or=Je();Se[or>>2]=12;var tr=0 }var tr;return tr}function ea(r){ var
a,e,i,v,t,f,_r>>2,s=0|r,n=r>>>8,o=0==(0|n);do if(o)var l=0;else{if(r>>>0>16777215){var l=31;break }var
b=(n+1048320|0)>>>16&&8,k=n<<b,u=(k+520192|0)>>>16&&4,c=k<<u,h=(c+245760|0)>>>16&&2,d=14-
(u|b|h)+(c<<h>>>15)|0,l=r>>>((d+7|0)>>>0)&1|d<<1 }while(0);var l,w=Me[vi+(l<<2)+304>>2],p=0==(0|w);r:do
if(p)var E=0,A=s,g=0;else{if(31==(0|l))var y=0;else var y=25-(l>>>1)|0;for(var
y,m=0,S=s,M=w,t=M>>2,C=r<<y,R=0;){ var R,C,M,S,m,T=Se[t+1]&-8,O=T-
r|0;if(O>>>0<S>>>0){if((0|T)==(0|r)){ var E=M,A=O,g=M;break r }var N=M,I=O}else var N=m,I=S;var
I,N,P=Me[t+5],D=Me[((C>>>31<<2)+16>>2)+t],L=0==(0|P)|(0|P)==(0|D)?R:P;if(0==(0|D)){ var
E=N,A=I,g=L;break r }var m=N,S=I,M=D,t=M>>2,C=C<<1,R=L } }while(0);var g,A,E,F=0==(0|g)&0==(0|E);do
if(F){ var X=2<<l,j=Se[vi+4>>2]&(X|X);if(0==(0|j)){ var U=g;break }var x=(j&-j)-
1|0,z=x>>>12&16,V=x>>>(z>>>0),B=V>>>5&8,H=V>>>(B>>>0),K=H>>>2&4,Y=H>>>(K>>>0),G=Y>>>1&2
,W=Y>>>(G>>>0),Z=W>>>1&1,U=Se[vi+(B|z|K|G|Z)+(W>>>(Z>>>0))<<2)+304>>2]}else var
U=g;while(0);var U,Q=0==(0|U);r:do if(Q)var q=A,$=E,v=$>>2;else for(var J=U,i=J>>2,rr=A,ar=E;){ var
ar,rr,J,er=(Se[i+1]&-8)-r|0,ir=er>>>0<rr>>>0,vr=ir?er:rr,fr=ir?J:ar,fr=Me[i+4];if(0==(0|fr)){ var
_r=Me[i+5];if(0==(0|_r)){ var q=vr,$=tr,v=$>>2;break r }var J=_r,i=J>>2,rr=vr,ar=tr}else var
J=fr,i=J>>2,rr=vr,ar=tr }while(0);var $,q,sr=0==(0|$);r:do {if(!sr){if(q>>>0>=(Se[vi+8>>2]-r|0)>>>0){ var
nr=0;break }var or=$,e=or>>2,lr=Me[vi+16>>2],br=or>>>0<lr>>>0;do if(!br){ var
kr=or+r|0,ur=kr;if(or>>>0>=kr>>>0)break;var cr=Me[v+6],hr=Me[v+3],dr=(0|hr)==(0|$);do if(dr){ var
wr=$+20|0,pr=Se[wr>>2];if(0==(0|pr)){ var Er=$+16|0,Ar=Se[Er>>2];if(0==(0|Ar)){ var gr=0,a=gr>>2;break }var
yr=Er,mr=Ar}else { var yr=wr,mr=pr;f=28 }for(;;){ var mr,yr,Sr=mr+20|0,Mr=Se[Sr>>2];if(0==(0|Mr)){ var
Cr=mr+16|0,Rr=Me[Cr>>2];if(0==(0|Rr))break;var yr=Cr,mr=Rr}else var yr=Sr,mr=Mr }if(yr>>>0<lr>>>0)throw
Ka(),"Reached an unreachable!";Se[yr>>2]=0;var gr=mr,a=gr>>2}else { var Tr=Me[v+2];if(Tr>>>0<lr>>>0)throw
Ka(),"Reached an unreachable!";Se[Tr+12>>2]=hr,Se[hr+8>>2]=Tr;var gr=hr,a=gr>>2 }while(0);var
gr,Or=0==(0|cr);a:do if(!Or){ var
Nr=$+28|0,Ir=(Se[Nr>>2]<<2)+vi+304|0,Pr=(0|$)==(0|Se[Ir>>2]);do {if(Pr){if(Se[Ir>>2]=gr,0!=(0|gr))break;var
Dr=Se[vi+4>>2]&(1<<Se[Nr>>2]^1);Se[vi+4>>2]=Dr;break a }if(cr>>>0<Me[vi+16>>2]>>>0)throw
Ka(),"Reached an unreachable!";var
Lr=cr+16|0;if((0|Se[Lr>>2])==(0|$)?Se[Lr>>2]=gr:Se[cr+20>>2]=gr,0==(0|gr))break
a }while(0);if(gr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[a+6]=cr;var
Fr=Me[v+4];if(0!=(0|Fr)){if(Fr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+4]=Fr,Se[Fr+24>>2]=gr }var
Xr=Me[v+5];if(0==(0|Xr))break;if(Xr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+5]=Xr,Se[Xr+24>>2]=gr }while(0);var jr=q>>>0<16;a:do if(jr){ var
Ur=q+r|0;Se[v+1]=3|Ur;var xr=Ur+(or+4)|0,zr=1|Se[xr>>2];Se[xr>>2]=zr }else
if(Se[v+1]=3|r,Se[_+(e+1)]=1|q,Se[(q>>2)+e+_]=q,q>>>0<256){ var
Vr=q>>>2&1073741822,Br=(Vr<<2)+vi+40|0,Hr=Me[vi>>2],Kr=1<<(q>>>3),Yr=0==(Hr&Kr|0);do {if(!Yr){ var
Gr=(Vr+2<<2)+vi+40|0,Wr=Me[Gr>>2];if(Wr>>>0>=Me[vi+16>>2]>>>0){ var Zr=Wr,Qr=Gr;break }throw
Ka(),"Reached an unreachable!";Se[vi>>2]=Hr|Kr;var Zr=Br,Qr=(Vr+2<<2)+vi+40|0 }while(0);var
Qr,Zr;Se[Qr>>2]=ur,Se[Zr+12>>2]=ur,Se[_+(e+2)]=Zr,Se[_+(e+3)]=Br }else { var qr=kr,$r=q>>>8,Jr=0==(0|$r);do
if(Jr)var ra=0;else {if(q>>>0>16777215){ var ra=31;break }var

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aa=($r+1048320|0)>>>16&8,ea=$r<<aa,ia=(ea+520192|0)>>>16&4,va=ea<<ia,ta=(va+245760|0)>>>16&2,fa=14-
(ia|aa|ta)+(va<<ta>>>15)|0,ra=q>>>((fa+7|0)>>>0)&1|fa<<1 }while(0);var
ra,_a=(ra<<2)+vi+304|0;Se[_+(e+7)]=ra;var sa=r+(or+16)|0;Se[_+(e+5)]=0,Se[sa>>2]=0;var
na=Se[vi+4>>2],oa=1<<ra;if(0==(na&oa|0)){ var
la=na|oa;Se[vi+4>>2]=la,Se[_a>>2]=qr,Se[_+(e+6)]=_a,Se[_+(e+3)]=qr,Se[_+(e+2)]=qr}else{if(31==(0|ra))var
ba=0;else var ba=25-(ra>>>1)|0;for(var ba,ka=q<<ba,ua=Se[_a>>2];){ var ua,ka;if((Se[ua+4>>2]&-
8|0)==(0|q)){ var ca=ua+8|0,ha=Me[ca>>2],da=Me[vi+16>>2],wa=ua>>>0<da>>>0;do
if(!wa){if(ha>>>0<da>>>0)break;Se[ha+12>>2]=qr,Se[ca>>2]=qr,Se[_+(e+2)]=ha,Se[_+(e+3)]=ua,Se[_+(e+6)]=0;
break a}while(0);throw Ka(),"Reached an unreachable!" }var
pa=(ka>>>31<<2)+ua+16|0,Ea=Me[pa>>2];if(0==(0|Ea)){if(pa>>>0>=Me[vi+16>>2]>>>0){Se[pa>>2]=qr,Se[_+(
e+6)]=ua,Se[_+(e+3)]=qr,Se[_+(e+2)]=qr;break a}throw Ka(),"Reached an unreachable!" }var
ka=ka<<1,ua=Ea } }while(0);var nr=$+8|0;break r}while(0);throw Ka(),"Reached an unreachable!" }var
nr=0}while(0);var nr;return nr}function ia(r){ var a;0==(0|Se[ti>>2])&&ba();var e=r>>>0<4294967232;r:do
if(e){ var i=Me[vi+24>>2];if(0==(0|i)){ var v=0;break }var t=Me[vi+12>>2],f=t>>>0>(r+40|0)>>>0;do if(f){ var
_=Me[ti+8>>2],s=-40-r-1+t+_|0,n=Math.floor((s>>>0)/(<>>>0)),o=(n-
1)*_|0,l=i,b=ua(l);if(0!=(8&Se[b+12>>2]|0))break;var
k=re(0),a=(b+4|0)>>2;if((0|k)!=(Se[b>>2]+Se[a|0]))break;var u=o>>>0>2147483646?-2147483648-_|0:o,c=0|-
u,h=re(c),d=re(0);if(!((0|h)!=-1&d>>>0<k>>>0))break;var w=k-d|0;if((0|k)==(0|d))break;var p=Se[a]-
w|0;Se[a]=p;var E=Se[vi+432>>2]-w|0;Se[vi+432>>2]=E;var A=Se[vi+24>>2],g=Se[vi+12>>2]-w|0;ca(A,g);var
v=(0|k)!=(0|d);break r}while(0);if(Me[vi+12>>2]>>>0<=Me[vi+28>>2]>>>0){ var v=0;break }Se[vi+28>>2]=-1;var
v=0}else var v=0;while(0);var v;return 1&v}function va(r){ var a,e,i,v,t,f,_,s=r>>2,n=0==(0|r);r:do if(!n){ var o=r-
8|0,l=o,b=Me[vi+16>>2],k=o>>>0<b>>>0;a:do if(!k){ var u=Me[r-4>>2],c=3&u;if(1==(0|c))break;var h=u&-
8,f=h>>2,d=r+(h-8)|0,w=d,p=0==(1&u|0);e:do if(p){ var E=Me[o>>2];if(0==(0|c))break r;var A=-8-
E|0,t=A>>2,g=r+A|0,y=g,m=E+h|0;if(g>>>0<b>>>0)break a;if((0|y)==(0|Se[vi+20>>2])){ var v=(r+(h-
4)|0)>>2;if(3!=(3&Se[v]|0)){ var S=y,i=S>>2,M=m;break }Se[vi+8>>2]=m;var C=Se[v]&-
2;Se[v]=C,Se[t+(s+1)]=1|m,Se[d>>2]=m;break r}if(E>>>0<256){ var
R=Me[t+(s+2)],T=Me[t+(s+3)];if((0|R)!=(0|T)){ var
O=(E>>>2&1073741822)<<2)+vi+40|0,N=(0|R)!=(0|O)&R>>>0<b>>>0;do
if(!N){if(!((0|T)==(0|O)|T>>>0>=b>>>0))break;Se[R+12>>2]=T,Se[T+8>>2]=R;var S=y,i=S>>2,M=m;break
e}while(0);throw Ka(),"Reached an unreachable!" }var I=Se[vi>>2]&(1<<(E>>>3)^-1);Se[vi>>2]=I;var
S=y,i=S>>2,M=m}else{ var P=g,D=Me[t+(s+6)],L=Me[t+(s+3)],F=(0|L)==(0|P);do if(F){ var
X=A+(r+20)|0,j=Se[X>>2];if(0==(0|j)){ var U=A+(r+16)|0,x=Se[U>>2];if(0==(0|x)){ var z=0,e=z>>2;break }var
V=U,B=x}else{ var V=X,B=j;_ =21 }for(;;){ var B,V,H=B+20|0,K=Se[H>>2];if(0==(0|K)){ var
Y=B+16|0,G=Me[Y>>2];if(0==(0|G))break;var V=Y,B=G}else var V=H,B=K }if(V>>>0<b>>>0)throw
Ka(),"Reached an unreachable!";Se[V>>2]=0;var z=B,e=z>>2}else{ var W=Me[t+(s+2)];if(W>>>0<b>>>0)throw
Ka(),"Reached an unreachable!";Se[W+12>>2]=L,Se[L+8>>2]=W;var z=L,e=z>>2}while(0);var
z;if(0==(0|D)){ var S=y,i=S>>2,M=m;break }var
Z=A+(r+28)|0,Q=(Se[Z>>2]<<2)+vi+304|0,q=(0|P)==(0|Se[Q>>2]);do{ if(q){ if(Se[Q>>2]=z,0!=(0|z))break;var
$=Se[vi+4>>2]&(1<<Se[Z>>2]^-1);Se[vi+4>>2]=$;var S=y,i=S>>2,M=m;break
e}if(D>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";var
J=D+16|0;if((0|Se[J>>2])==(0|P)?Se[J>>2]=z:Se[D+20>>2]=z,0==(0|z)){ var S=y,i=S>>2,M=m;break
e } }while(0);if(z>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[e+6]=D;var
rr=Me[t+(s+4)];if(0!=(0|rr)){if(rr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[e+4]=rr,Se[rr+24>>2]=z}var ar=Me[t+(s+5)];if(0==(0|ar)){ var
S=y,i=S>>2,M=m;break }if(ar>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[e+5]=ar,Se[ar+24>>2]=z;var S=y,i=S>>2,M=m }else var S=l,i=S>>2,M=h;while(0);var
M,S,er=S;if(er>>>0>=d>>>0)break;var ir=r+(h-4)|0,vr=Me[ir>>2];if(0==(1&vr|0))break;var
tr=0==(2&vr|0);do{ if(tr){ if((0|w)==(0|Se[vi+24>>2])){ var

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fr=Se[vi+12>>2]+M[0;Se[vi+12>>2]=fr,Se[vi+24>>2]=S;var
_r=1|fr;if(Se[i+1]=_r,(0|S)==(0|Se[vi+20>>2])&&(Se[vi+20>>2]=0,Se[vi+8>>2]=0),fr>>>0<=Me[vi+28>>2]>>>0)
break r;ia(0);break r}if((0|w)==(0|Se[vi+20>>2])){var sr=Se[vi+8>>2]+M[0;Se[vi+8>>2]=sr,Se[vi+20>>2]=S;var
nr=1|sr;Se[i+1]=nr;var or=er+sr[0;Se[or>>2]=sr;break r}var lr=(vr&-8)+M[0;br=vr>>>3,kr=vr>>>0<256;e:do
if(kr){var ur=Me[s+f],cr=Me[((4|h)>>2)+s];if((0|ur)!=0|cr){var
hr=((vr>>>2&1073741822)<<2)+vi+40|0,dr=(0|ur)==(0|hr);do {if(!dr){if(ur>>>0<Me[vi+16>>2]>>>0){_=66;break
}_=63;break}_=63}while(0);do
if(63==_){if((0|cr)!=0|hr)&&cr>>>0<Me[vi+16>>2]>>>0)break;Se[ur+12>>2]=cr,Se[cr+8>>2]=ur;break
e}while(0);throw Ka(),"Reached an unreachable!"}var wr=Se[vi>>2]&(1<<br^-1);Se[vi>>2]=wr}else{var
pr=d,Er=Me[f+(s+4)],Ar=Me[((4|h)>>2)+s],gr=(0|Ar)==(0|pr);do if(gr){var
yr=h+(r+12)|0,mr=Se[yr>>2];if(0==(0|mr)){var Sr=h+(r+8)|0,Mr=Se[Sr>>2];if(0==(0|Mr)){var
Cr=0,a=Cr>>2;break}var Rr=Sr,Tr=Mr}else{var Rr=yr,Tr=mr;_=73}for(;;){var
Tr,Rr,Or=Tr+20|0,Nr=Se[Or>>2];if(0==(0|Nr)){var Ir=Tr+16|0,Pr=Me[Ir>>2];if(0==(0|Pr))break;var
Rr=Ir,Tr=Pr}else var Rr=Or,Tr=Nr}if(Rr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[Rr>>2]=0;var Cr=Tr,a=Cr>>2}else{var Dr=Me[s+f];if(Dr>>>0<Me[vi+16>>2]>>>0)throw
Ka(),"Reached an unreachable!";Se[Dr+12>>2]=Ar,\nSe[Ar+8>>2]=Dr;var Cr=Ar,a=Cr>>2}while(0);var
Cr;if(0==(0|Er))break;var
Lr=h+(r+20)|0,Fr=(Se[Lr>>2]<<2)+vi+304|0,Xr=(0|pr)==(0|Se[Fr>>2]);do {if(Xr){if(Se[Fr>>2]=Cr,0!=(0|Cr))break
;var jr=Se[vi+4>>2]&(1<<Se[Lr>>2]^1);Se[vi+4>>2]=jr;break e}if(Er>>>0<Me[vi+16>>2]>>>0)throw
Ka(),"Reached an unreachable!";var
Ur=Er+16|0;if((0|Se[Ur>>2])==(0|pr)?Se[Ur>>2]=Cr:Se[Er+20>>2]=Cr,0==(0|Cr))break
e}while(0);if(Cr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[a+6]=Er;var
xr=Me[f+(s+2)];if(0!=(0|xr)){if(xr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+4]=xr,Se[xr+24>>2]=Cr}var
zr=Me[f+(s+3)];if(0==(0|zr))break;if(zr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[a+5]=zr,Se[zr+24>>2]=Cr}while(0);if(Se[i+1]=1|lr,Se[er+lr>>2]=lr,(0|S)!=0|Se[vi+20>>2])){va
r Vr=lr;break}Se[vi+8>>2]=lr;break r}Se[ir>>2]=vr&-2,Se[i+1]=1|M,Se[er+M>>2]=M;var Vr=M}while(0);var
Vr;if(Vr>>>0<256){var
Br=Vr>>>2&1073741822,Hr=(Br<<2)+vi+40|0,Kr=Me[vi>>2],Yr=1<<(Vr>>>3),Gr=0==(Kr&Yr|0);do {if(!Gr){va
r Wr=(Br+2<<2)+vi+40|0,Zr=Me[Wr>>2];if(Zr>>>0)=Me[vi+16>>2]>>>0){var Qr=Zr,qr=Wr;break}throw
Ka(),"Reached an unreachable!"}Se[vi>>2]=Kr|Yr;var Qr=Hr,qr=(Br+2<<2)+vi+40|0}while(0);var
qr,Qr;Se[qr>>2]=S,Se[Qr+12>>2]=S,Se[i+2]=Qr,Se[i+3]=Hr;break r}var $r=S,Jr=Vr>>>8,ra=0==(0|Jr);do if(ra)var
aa=0;else {if(Vr>>>0>16777215){var aa=31;break}var
ea=(Jr+1048320|0)>>>16&8,va=Jr<<ea,fa=(va+520192|0)>>>16&4,_a=va<<fa,sa=(_a+245760|0)>>>16&2,na=14-
(fa|ea|sa)+(_a<<sa)>>>15|0,aa=Vr>>>((na+7|0)>>>0)&1|na<<1}while(0);var
aa,oa=(aa<<2)+vi+304|0;Se[i+7]=aa,Se[i+5]=0,Se[i+4]=0;var la=Se[vi+4>>2],ba=1<<aa,ka=0==(la&ba|0);e:do
if(ka){var ua=la|ba;Se[vi+4>>2]=ua,Se[oa>>2]=$r,Se[i+6]=oa,Se[i+3]=S,Se[i+2]=S}else {if(31==(0|aa))var
ca=0;else var ca=25-(aa>>>1)|0;for(var ca,ha=Vr<<ca,da=Se[oa>>2];){var da,ha;if((Se[da+4>>2]>>>1)&-
8|0)==(0|Vr)){var wa=da+8|0,pa=Me[wa>>2],Ea=Me[vi+16>>2],Aa=da>>>0<Ea>>>0;do
if(!Aa){if(pa>>>0<Ea>>>0)break;Se[pa+12>>2]=$r,Se[wa>>2]=$r,Se[i+2]=pa,Se[i+3]=da,Se[i+6]=0;break
e}while(0);throw Ka(),"Reached an unreachable!"}var
ga=(ha>>>31<<2)+da+16|0,ya=Me[ga>>2];if(0==(0|ya)){if(ga>>>0)=Me[vi+16>>2]>>>0){Se[ga>>2]=$r,Se[i+6]
=da,Se[i+3]=S,Se[i+2]=S;break e}throw Ka(),"Reached an unreachable!"}var ha=ha<<1,da=ya}while(0);var
ma=Se[vi+32>>2]-1|0;if(Se[vi+32>>2]=ma,0!=(0|ma))break r;ta(0);break r}while(0);throw Ka(),"Reached an
unreachable!"}while(0)}function ta(){var r=Se[vi+452>>2],a=0==(0|r);r:do if(!a)for(var e=r;){var
e,i=Se[e+8>>2];if(0==(0|i))break r;var e=i}while(0);Se[vi+32>>2]=-1}function fa(r,a){if(0==(0|r))var
e=Jr(a),i=e;else var v=la(r,a),i=v;var i;return i}function _a(r,a){var e,i=r>>>0<9;do if(i)var v=Jr(a),t=v;else {var
f=r>>>0<16?16:r,_=0==(f-1&f|0);r:do if(_){var s=f;else {if(f>>>0<=16){var s=16;break}for(var n=16;){var

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n,o=n<<1;if(o>>>0>=f>>>0){var s=o;break r}var n=o}while(0);var s;if((-64-s|0)>>>0>a>>>0){if(a>>>0<11)var
l=16;else var l=a+11&-8;var l,b=Jr(l+(s+12)|0);if(0==(0|b)){var t=0;break}var k=b-
8|0;if(0==((b>>>0)% (s>>>0)|0))var u=k,c=0;else{var h=b+(s-1)&-s,d=h-8|0,w=k;if((d-w|0)>>>0>15)var p=d;else
var p=h+(s-8)|0;var p,E=p-w|0,e=(b-4|0)>>2,A=Se[e],g=(A&-8)-E|0;if(0==(3&A|0)){var
y=Se[k>>2]+E|0;Se[p>>2]=y,Se[p+4>>2]=g;var u=p,c=0}else{var m=p+4|0,S=g|1&Se[m>>2]|2;Se[m>>2]=S;var
M=g+(p+4)|0,C=1|Se[M>>2];Se[M>>2]=C;var R=E|1&Se[e]|2;Se[e]=R;var T=b+(E-
4)|0,O=1|Se[T>>2];Se[T>>2]=O;var u=p,c=b}var c,u,N=u+4|0,I=Me[N>>2],P=0==(3&I|0);do if(P)var
D=0;else{var L=I&-8;if(L>>>0<=(l+16|0)>>>0){var D=0;break}var F=L-
l|0;Se[N>>2]=l|1&I|2,Se[u+(4|l)>>2]=3|F;var X=u+(4|L)|0,j=1|Se[X>>2];Se[X>>2]=j;var D=l+(u+8)|0}while(0);var
D;0!=(0|c)&&va(c),0!=(0|D)&&va(D);var t=u+8|0}else{var U=Je();Se[U>>2]=12;var t=0}while(0);var t;return
t}function sa(r,a,e,i){var v,t;0==(0|Se[ti>>2])&&ba();var f=0==(0|i),_=0==(0|r);do{if(f){if(_){var
s=Jr(0),n=s;t=30;break}var o=r<<2;if(o>>>0<11){var l=0,b=16;t=9;break}var l=0,b=o+11&-8;t=9;break}if(_){var
n=i;t=30;break}var l=i,b=0;t=9;break}while(0);do if(9==t){var b,l,k=0==(1&e|0);r:do if(k){if(_){var
u=0,c=0;break}for(var h=0,d=0;;){var d,h,w=Me[a+(d<<2)>>2];if(w>>>0<11)var p=16;else var p=w+11&-8;var
p,E=p+h|0,A=d+1|0;if((0|A)==(0|r)){var u=0,c=E;break r}var h=E,d=A}else{var g=Me[a>>2];if(g>>>0<11)var
y=16;else var y=g+11&-8;var y,u=y,c=y*r|0}while(0);var c,u,m=Jr(b-4+c|0);if(0==(0|m)){var n=0;break}var S=m-
8|0,M=Se[m-4>>2]&-8;if(0!=(2&e|0)){var C=-4-b+M|0;Fa(m,0,C,1)}if(0==(0|l)){var R=m+c|0,T=M-c|3;Se[m+(c-
4)>>2]=T;var O=R,v=O>>2,N=c}else var O=l,v=O>>2,N=M;var N,O;Se[v]=m;var I=r-1|0,P=0==(0|I);r:do if(P)var
D=S,L=N;else if(0==(0|u))for(var F=S,X=N,j=0;;){var j,X,F,U=Me[a+(j<<2)>>2];if(U>>>0<11)var x=16;else var
x=U+11&-8;var x,z=X-x|0;Se[F+4>>2]=3|x;var
V=F+x|0,B=j+1|0;if(Se[(B<<2)>>2]+v]=x+(F+8)|0,(0|B)==(0|I)){var D=V,L=z;break r}var F=V,X=z,j=B}else
for(var H=3|u,K=u+8|0,Y=S,G=N,W=0;;){var W,G,Y,Z=G-u|0;Se[Y+4>>2]=H;var
Q=Y+u|0,q=W+1|0;if(Se[(q<<2)>>2]+v]=Y+K|0,(0|q)==(0|I)){var D=Q,L=Z;break r}var
Y=Q,G=Z,W=q}while(0);var L,D;Se[D+4>>2]=3|L;var n=O}while(0);var n;return n}function na(r){var
a=r>>2;0==(0|Se[ti>>2])&&ba();var e=Me[vi+24>>2];if(0==(0|e))var i=0,v=0,t=0,f=0,_,s=0,n=0;else{for(var
o=Me[vi+12>>2],l=o+40|0,b=vi+444|0,k=l,u=l,c=1;;){var c,u,k,b,h=Me[b>>2],d=h+8|0;if(0==(7&d|0))var w=0;else
var w=7&-d;for(var w,p=b+4|0,E=h+w|0,A=c,g=u,y=k;;){var
y,g,A,E;if(E>>>0<h>>>0)break;if(E>>>0>=(h+Se[p>>2]|0)>>>0|(0|E)==(0|e))break;var
m=Se[E+4>>2];if(7==(0|m))break;var S=m&-8,M=S+y|0;if(1==(3&m|0))var C=A+1|0,R=S+g|0;else var
C=A,R=g;var R,C,E=E+S|0,A=C,g=R,y=M}var T=Me[b+8>>2];if(0==(0|T))break;var b=T,k=y,u=g,c=A}var
O=Se[vi+432>>2],i=y,v=A,t=o,f=g,_,O-y|0,s=Se[vi+436>>2],n=O-g|0}var
n,s,_,f,t,v,i;Se[a]=i,Se[a+1]=v,Se[a+2]=0,Se[a+3]=0,Se[a+4]=_,Se[a+5]=s,Se[a+6]=0,Se[a+7]=n,Se[a+8]=f,Se[a+9]
=t}function oa(){0==(0|Se[ti>>2])&&ba();var r=Me[vi+24>>2],a=0==(0|r);r:do if(a)var e=0,i=0,v=0;else for(var
t=Se[vi+436>>2],f=Me[vi+432>>2],_=vi+444|0,s=f-40-Se[vi+12>>2]|0;;){var
s,_,n=Me[_>>2],o=n+8|0;if(0==(7&o|0))var l=0;else var l=7&-o;for(var l,b=_+4|0,k=n+1|0,u=s;;){var
u,k;if(k>>>0<n>>>0)break;if(k>>>0>=(n+Se[b>>2]|0)>>>0|(0|k)==(0|r))break;var
c=Se[k+4>>2];if(7==(0|c))break;var h=c&-8,d=1==(3&c|0)?h:0,w=u-d|0,k=k+h|0,u=w}var
p=Me[_+8>>2];if(0==(0|p)){var e=t,i=f,v=u;break r}var _=p,s=u}while(0);var
v,i,e,E=Se[Se[qe>>2]+12>>2],A=(Qa(E,0|He.__str339,(ne=Oe,Oe+=4,Se[ne>>2]=e,ne)),Se[Se[qe>>2]+12>>2]),g=
(Qa(A,0|He.__str1340,(ne=Oe,Oe+=4,Se[ne>>2]=i,ne)),Se[Se[qe>>2]+12>>2]);Qa(g,0|He.__str2341,(ne=Oe,Oe+=
4,Se[ne>>2]=v,ne))}function la(r,a){var e,i,v,t=a>>>0>4294967231;r:do{if(!t){var f=r-8|0,_,f,i=(r-
4|0)>>2,s=Me[i],n=s&-8,o=n-8|0,l=r+o|0,b=f>>>0<Me[vi+16>>2]>>>0;do if(!b){var k=3&s;if(!(1!=(0|k)&(0|o)>-
8))break;var e=(r+(n-4)|0)>>2;if(0==(1&Se[e]|0))break;if(a>>>0<11)var u=16;else var u=a+11&-8;var
u,c=0==(0|k);do{if(c){var
h=ka(_,u),d=0,w=h;v=17;break}if(n>>>0<u>>>0){if((0|l)!=0|Se[vi+24>>2])}{v=21;break}var
p=Se[vi+12>>2]+n|0;if(p>>>0<u>>>0){v=21;break}var E=p-u|0,A=r+(u-8)|0;Se[i]=u|1&s|2;var g=1|E;Se[r+(u-
4)>>2]=g,Se[vi+24>>2]=A,Se[vi+12>>2]=E;var d=0,w=_,v=17;break}var y=n-u|0;if(y>>>0<=15){var
d=0,w=_,v=17;break}Se[i]=u|1&s|2,Se[r+(u-4)>>2]=3|y;var m=1|Se[e];Se[e]=m;var

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d=r+u|0,w=_;v=17;break }while(0);do if(17==v){ var w,d;if(0==(0|w))break;0!=(0|d)&&va(d);var S=w+8|0;break
r }while(0);var M=Jr(a);if(0==(0|M))){ var S=0;break r }var C=0==(3&Se[i]|0)?8:4,R=n-
C|0,T=R>>>0<a>>>0?R:a;Pa(M,r,T,1),va(r);var S=M;break r }while(0);throw Ka(),"Reached an unreachable!" } var
O=Je();Se[O>>2]=12;var S=0 }while(0);var S;return S }function ba(){ if(0==(0|Se[ti>>2])){ var r=qa(8);if(0!=(r-
1&r|0))throw Ka(),"Reached an unreachable!";Se[ti+8>>2]=r,Se[ti+4>>2]=r,Se[ti+12>>2]=
1,Se[ti+16>>2]=2097152,Se[ti+20>>2]=0,Se[vi+440>>2]=0;var a=$a(0);Se[ti>>2]=a&-16^1431655768 } }function
ka(r,a){ var e=Se[r+4>>2]&-8,i=a>>>0<256;do if(i)var v=0;else { if(e>>>0>=(a+4|0)>>>0&&(e-
a|0)>>>0<=Se[ti+8>>2]<<1>>>0){ var v=r;break } var v=0 } while(0);var v;return v }function ua(r){ for(var
a,e=vi+444|0,a=e>>2;){ var e,i=Me[a];if(i>>>0<=r>>>0&&(i+Se[a+1]|0)>>>0>r>>>0){ var v=e;break } var
t=Me[a+2];if(0==(0|t)){ var v=0;break } var e=t,a=e>>2 } var v;return v }function ca(r,a){ var
e=r,i=r+8|0;if(0==(7&i|0))var v=0;else var v=7&-i;var v,t=a-
v|0;Se[vi+24>>2]=e+v|0,Se[vi+12>>2]=t,Se[v+(e+4)>>2]=1|t,Se[a+(e+4)>>2]=40;var
f=Se[ti+16>>2];Se[vi+28>>2]=f }function ha(){ for(var r=0;){ var
r,a=r<<1,e=(a<<2)+vi+40|0;Se[vi+(a+3<<2)+40>>2]=e,Se[vi+(a+2<<2)+40>>2]=e;var
i=r+1|0;if(32==(0|i))break;var r=i } }function da(r,a,e){ var i,v,t,f,_=a>>2,s=r>>2,n=r+8|0;if(0==(7&n|0))var o=0;else
var o=7&-n;var o,l=a+8|0;if(0==(7&l|0))var b=0,t=b>>2;else var b=7&-1,t=b>>2;var
b,k=a+b|0,u=k,c=o+e|0,v=c>>2,h=r+c|0,d=h,w=k-(r+o)-e|0;Se[(o+4>>2)+s]=3|e;var
p=(0|u)==(0|Se[vi+24>>2]);r:do if(p){ var E=Se[vi+12>>2]+w|0;Se[vi+12>>2]=E,Se[vi+24>>2]=d;var
A=1|E;Se[v+(s+1)]=A }else if((0|u)==(0|Se[vi+20>>2])){ var
g=Se[vi+8>>2]+w|0;Se[vi+8>>2]=g,Se[vi+20>>2]=d;var y=1|g;Se[v+(s+1)]=y;var
m=r+g+c|0;Se[m>>2]=g }else { var S=Me[t+(_+1)];if(1==(3&S|0)){ var M=S&-8,C=S>>>3,R=S>>>0<256;a:do
if(R){ var T=Me[((8|b)>>2)+_],O=Me[t+(_+3)];if((0|T)!=(0|O)){ var
N=(S>>>2&1073741822)<<2)+vi+40|0,I=(0|T)==(0|N);do { if(!I){ if(T>>>0<Me[vi+16>>2]>>>0){ f=18;break } f=1
5;break } f=15 } while(0);do
if(15==f){ if((0|O)!=(0|N)&&O>>>0<Me[vi+16>>2]>>>0)break;Se[T+12>>2]=O,Se[O+8>>2]=T;break
a } while(0);throw Ka(),"Reached an unreachable!" } var P=Se[vi>>2]&(1<<C^1);Se[vi>>2]=P }else { var
D=k,L=Me[((24|b)>>2)+_],F=Me[t+(_+3)],X=(0|F)==(0|D);do if(X){ var
j=16|b,U=j+(a+4)|0,x=Se[U>>2];if(0==(0|x)){ var z=a+j|0,V=Se[z>>2];if(0==(0|V)){ var B=0,i=B>>2;break } var
H=z,K=V }else { var H=U,K=x;f=25 } for(;;){ var K,H,Y=K+20|0,G=Se[Y>>2];if(0==(0|G)){ var
W=K+16|0,Z=Me[W>>2];if(0==(0|Z))break;var H=W,K=Z }else var
H=Y,K=G }if(H>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[H>>2]=0;var
B=K,i=B>>2 }else { var Q=Me[((8|b)>>2)+_];if(Q>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[Q+12>>2]=F,Se[F+8>>2]=Q;var B=F,i=B>>2 } while(0);var B;if(0==(0|L))break;var
q=b+(a+28)|0,$=(Se[q>>2]<<2)+vi+304|0,J=(0|D)==(0|Se[$>>2]);do { if(J){ if(Se[$>>2]=B,0!=(0|B))break;var
rr=Se[vi+4>>2]&(1<<Se[q>>2]^1);Se[vi+4>>2]=rr;break a }if(L>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached
an unreachable!";var ar=L+16|0;if((0|Se[ar>>2])==(0|D)?Se[ar>>2]=B:Se[L+20>>2]=B,0==(0|B))break
a } while(0);if(B>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an unreachable!";Se[i+6]=L;var
er=16|b,ir=Me[(er>>2)+_];if(0!=(0|ir)){ if(ir>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[i+4]=ir,Se[ir+24>>2]=B } var
vr=Me[(er+4>>2)+_];if(0==(0|vr))break;if(vr>>>0<Me[vi+16>>2]>>>0)throw Ka(),"Reached an
unreachable!";Se[i+5]=vr,Se[vr+24>>2]=B } while(0);var tr=a+(M|b)|0,fr=M+w|0 }else var tr=u,fr=w;var
fr,tr,_r=tr+4|0,sr=Se[_r>>2]&-2;if(Se[_r>>2]=sr,Se[v+(s+1)]=1|fr,Se[(fr>>2)+s+v]=fr,fr>>>0<256){ var
nr=fr>>>2&1073741822,or=(nr<<2)+vi+40|0,lr=Me[vi>>2],br=1<<(fr>>>3),kr=0==(1&r&br|0);do { if(!kr){ var
ur=(nr+2<<2)+vi+40|0,cr=Me[ur>>2];if(cr>>>0>=Me[vi+16>>2]>>>0){ var hr=cr,dr=ur;break } throw
Ka(),"Reached an unreachable!" } Se[vi>>2]=lr|br;var hr=or,dr=(nr+2<<2)+vi+40|0 } while(0);var
dr,hr;Se[dr>>2]=d,Se[hr+12>>2]=d,Se[v+(s+2)]=hr,Se[v+(s+3)]=or }else { var wr=h,pr=fr>>>8,Er=0==(0|pr);do
if(Er)var Ar=0;else { if(fr>>>0>16777215){ var Ar=31;break } var
gr=(pr+1048320|0)>>>16&8,yr=pr<<gr,mr=(yr+520192|0)>>>16&4,Sr=yr<<mr,Mr=(Sr+245760|0)>>>16&2,Cr=1

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4-(mr|gr|Mr)+(Sr<<Mr>>>15)|0,Ar=fr>>>((Cr+7|0)>>>0)&1|Cr<<1 } while(0);var
Ar,Rr=(Ar<<2)+vi+304|0;Se[v+(s+7)]=Ar;var Tr=c+(r+16)|0;Se[v+(s+5)]=0,Se[Tr>>2]=0;var
Or=Se[vi+4>>2],Nr=1<<Ar;if(0==(Or&Nr|0)){ var
Ir=Or|Nr;Se[vi+4>>2]=Ir,Se[Rr>>2]=wr,Se[v+(s+6)]=Rr,Se[v+(s+3)]=wr,Se[v+(s+2)]=wr} else {if(31==(0|Ar))var
Pr=0;else var Pr=25-(Ar>>>1)|0;for(var Pr,Dr=fr<<Pr,Lr=Se[Rr>>2];){ var Lr,Dr;if((Se[Lr+4>>2]&-
8|0)==(0|fr)){ var Fr=Lr+8|0,Xr=Me[Fr>>2],jr=Me[vi+16>>2],Ur=Lr>>>0<jr>>>0;do
if(!Ur){if(Xr>>>0<jr>>>0)break;Se[Xr+12>>2]=wr,Se[Fr>>2]=wr,Se[v+(s+2)]=Xr,Se[v+(s+3)]=Lr,Se[v+(s+6)]=0
;break r} while(0);throw Ka(),\"Reached an unreachable!\" } var
xr=(Dr>>>31<<2)+Lr+16|0,zr=Me[xr>>2];if(0==(0|zr)){if(xr>>>0>=Me[vi+16>>2]>>>0){Se[xr>>2]=wr,Se[v+(s
+6)]=Lr,Se[v+(s+3)]=wr,Se[v+(s+2)]=wr;break r}throw Ka(),\"Reached an unreachable!\" } var
Dr=Dr<<1,Lr=zr } } while(0);return r+(8|0)|0}function wa(r){return 0|He.__str3342}function pa(r){return
0|He.__str14343}function Ea(r){Se[r>>2]=si+8|0}function Aa(r){0!==(0|r)&&va(r)}function ga(r){ya(r);var
a=r;Aa(a)}function ya(r){var a=0|r;Ye(a)}function ma(r){var a=0|r;Ea(a),Se[r>>2]=ni+8|0}function Sa(r){var
a=0|r;ya(a);var e=r;Aa(e)}function Ma(r,a){var
e,i,v=Me[vi+24>>2],i=v>>2,t=v,f=ua(t),_=Se[f>>2],s=Se[f+4>>2],n=_+s|0,o=_+(s-39)|0;if(0==(7&o|0))var
l=0;else var l=7&-o;var l,b=_+(s-47)+l|0,k=b>>>0<(v+16|0)>>>0?t:b,u=k+8|0,e=u>>2,c=u,h=r,d=a-40|0;ca(h,d);var
w=k+4|0;Se[w>>2]=27,Se[e]=Se[vi+444>>2],Se[e+1]=Se[vi+448>>2],Se[e+2]=Se[vi+452>>2],Se[e+3]=Se[vi+45
6>>2],Se[vi+444>>2]=r,Se[vi+448>>2]=a,Se[vi+456>>2]=0,Se[vi+452>>2]=c;var p=k+28|0;Se[p>>2]=7;var
E=(k+32|0)>>>0<n>>>0;r:do if(E)for(var A=p;;){ var A,g=A+4|0;if(Se[g>>2]=7,(A+8|0)>>>0>=n>>>0)break r;var
A=g } while(0);var y=(0|k)==(0|t);r:do if(!y){ var m=k-v|0,S=t+m|0,M=m+(t+4)|0,C=Se[M>>2]&-2;Se[M>>2]=C;var
R=1|m;Se[i+1]=R;var T=S;if(Se[T>>2]=m,m>>>0<256){ var
O=m>>>2&1073741822,N=(O<<2)+vi+40|0,I=Me[vi>>2],P=1<<(m>>>3),D=0==(I&P|0);do {if(!D){ var
L=(O+2<<2)+vi+40|0,F=Me[L>>2];if(F>>>0>=Me[vi+16>>2]>>>0){ var X=F,j=L;break}throw Ka(),\"Reached an
unreachable!\" } var U=I|P;Se[vi>>2]=U;var X=N,j=(O+2<<2)+vi+40|0} while(0);var
j,X;Se[j>>2]=v,Se[X+12>>2]=v,Se[i+2]=X,Se[i+3]=N} else { var x=v,z=m>>>8,V=0==(0|z);do if(V)var
B=0;else {if(m>>>0>16777215){ var B=31;break } var
H=(z+1048320|0)>>>16&8,K=z<<H,Y=(K+520192|0)>>>16&4,G=K<<Y,W=(G+245760|0)>>>16&2,Z=14-
(Y|H|W)+(G<<W>>>15)|0,B=m>>>((Z+7|0)>>>0)&1|Z<<1 } while(0);var
B,Q=(B<<2)+vi+304|0;Se[i+7]=B,Se[i+5]=0,Se[i+4]=0;var q=Se[vi+4>>2],$=1<<B;if(0==(q&$|0)){ var
J=q|$;Se[vi+4>>2]=J,Se[Q>>2]=x,Se[i+6]=Q,Se[i+3]=v,Se[i+2]=v} else {if(31==(0|B))var rr=0;else var rr=25-
(B>>>1)|0;for(var rr,ar=m<<rr,er=Se[Q>>2];){ var er,ar;if((Se[er+4>>2]&-8|0)==(0|m)){ var
ir=er+8|0,vr=Me[ir>>2],tr=Me[vi+16>>2],fr=er>>>0<tr>>>0;do
if(!fr){if(vr>>>0<tr>>>0)break;Se[vr+12>>2]=x,Se[ir>>2]=x,Se[i+2]=vr,Se[i+3]=er,Se[i+6]=0;break
r} while(0);throw Ka(),\"Reached an unreachable!\" } var
_r=(ar>>>31<<2)+er+16|0,sr=Me[_r>>2];if(0==(0|sr)){if(_r>>>0>=Me[vi+16>>2]>>>0){Se[_r>>2]=x,Se[i+6]=er,
Se[i+3]=v,Se[i+2]=v;break r}throw Ka(),\"Reached an unreachable!\" } var ar=ar<<1,er=sr } } while(0)}function
Ca(r){return d(r)}function Ra(r,a){ var e=0;do Ae[r+e]=Ae[a+e],e++;while(0!=Ae[a+e-1]);return r}function
Ta(){ var r=Ta;return
r.LLVM_SAVEDSTACKS|(r.LLVM_SAVEDSTACKS=[]),r.LLVM_SAVEDSTACKS.push(le.stackSave()),r.LL
VM_SAVEDSTACKS.length-1}function Oa(r){ var
a=Ta,e=a.LLVM_SAVEDSTACKS[r];a.LLVM_SAVEDSTACKS.splice(r,1),le.stackRestore(e)}function
Na(r,a,e){for(var i=0;i<e;){ var v=Ae[r+i],t=Ae[a+i];if(v==t&&0==v)return 0;if(0==v)return -1;if(0==t)return
1;if(v!=0)return v>t?1:-1;i++}return 0}function Ia(r,a){ var e=Ca(r),i=0;do Ae[r+e+i]=Ae[a+i],i++;while(0!=Ae[a+i-
1]);return r}function Pa(r,a,e,i){if(e>=20&&a%2==r%2)if(a%4==r%4){for(var
v=a+e;a%4;)Ae[r++]=Ae[a++];for(var
t=a>>2,f=r>>2,_=v>>2;t<_;)Se[f++]=Se[t++];for(a=t<<2,r=f<<2;a<v;)Ae[r++]=Ae[a++]} else { var
v=a+e;a%2&&(Ae[r++]=Ae[a++]);for(var
s=a>>1,n=r>>1,o=v>>1;s<o;)ye[n++]=ye[s++];a=s<<1,r=n<<1,a<v&&(Ae[r++]=Ae[a++])} else for(;e--

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);Ae[r++]=Ae[a++]}function Da(r,a){return Na(r,a,Le)}function La(r,a,e){for(var i=0;i<e;i++){var
v=Ae[r+i],t=Ae[a+i];if(v!=t)return v>t?1:-1)return 0}function Fa(r,a,e,i){if(e>=20){for(var
v=r+e;r%4;)Ae[r++]=a;a<0&&(a+=256);for(var
t=r>>2,f=v>>2,_,a|a<<8|a<<16|a<<24;t<f;)Se[++]=_;;for(r=t<<2;r<v;)Ae[r++]=a}else for(;e-
);)Ae[r++]=a}function Xa(r,a,e,i){throw`Assertion failed: \"+s(i)+\", at: \"+[s(r),a,s(e)]}function ja(r){var
a=d(r),e=Jr(a+1);return Pa(e,r,a,1),Ae[e+a]=0,e}function Ua(r,a){function e(r){var
e;return`double`===r?(xe[0]=Se[a+_>>2],xe[1]=Se[a+_+4>>2],e=ze[0]):`i64`===r?e=[Se[a+_>>2],Se[a+_+4>>2
]]:(r=`i32`,e=Se[a+_>>2]),_+=le.getNativeFieldSize(r),e)for(var i,v,t,f=r,_=0,s=[];){var
n=f;if(i=Ae[f],0===i)break;if(v=Ae[f+1],i===`%`.charCodeAt(0)){var
o=!1,l=!1,b=!1,k=!1;r:for(;;){switch(v){case`+`.charCodeAt(0):o=!0;break;case`-
`.charCodeAt(0):l=!0;break;case`#`.charCodeAt(0):b=!0;break;case`0`.charCodeAt(0):if(k)break
r;k=!0;break;default:break r}f++,v=Ae[f+1]}var u=0;if(v===`*`.charCodeAt(0))u=e(`i32`),f++,v=Ae[f+1];else
for(;v>=`0`.charCodeAt(0)&&v<=`9`.charCodeAt(0);)u=10*u+(v-`0`.charCodeAt(0)),f++,v=Ae[f+1];var
c=!1;if(v===`.`.charCodeAt(0)){var h=0;if(c!=0,f++,v=Ae[f+1],v===`*`.charCodeAt(0))h=e(`i32`),f++;else
for(;;){var d=Ae[f+1];if(d<`0`.charCodeAt(0)||d>`9`.charCodeAt(0))break;h=10*h+(d-
`0`.charCodeAt(0)),f++}v=Ae[f+1]}else var h=6;var E;switch(String.fromCharCode(v)){case`h`:var
A=Ae[f+2];A===`h`.charCodeAt(0)?(f++,E=1):E=2;break;case`l`:var
A=Ae[f+2];A===`l`.charCodeAt(0)?(f++,E=8):E=4;break;case`L`:case`q`:case`j`:E=8;break;case`z`:case`t
`:case`I`:E=4;break;default:E=null}if(E&&f++,v=Ae[f+1],[`d`,`i`,`u`,`o`,`x`,`X`,`p`].indexOf(String.f
romCharCode(v))!=-1){var m=v===`d`.charCodeAt(0)||v===`i`.charCodeAt(0);E=E|4;var
t=e(`i`+8*E);if(8===E&&(t=le.makeBigInt(t[0],t[1],v===`u`.charCodeAt(0))),E<=4){var S=Math.pow(256,E)-
1;t=(m?y:g)(t&S,8*E)}var
M,C=Math.abs(t),R=``;if(v===`d`.charCodeAt(0)||v===`i`.charCodeAt(0))M=y(t,8*E,1).toString(10);else
if(v===`u`.charCodeAt(0))M=g(t,8*E,1).toString(10),t=Math.abs(t);else
if(v===`o`.charCodeAt(0))M=(b?`0`:`")+C.toString(8);else
if(v===`x`.charCodeAt(0)||v===`X`.charCodeAt(0)){if(R=b?`0x`:``,t<0){t=-t,M=(C-1).toString(16);for(var
T=[],O=0;O<M.length;O++)T.push((15-
parseInt(M[O],16)).toString(16));for(M=T.join(``);M.length<2*E;)M=`f`+M}else
M=C.toString(16);v===`X`.charCodeAt(0)&&(R=R.toUpperCase(),M=M.toUpperCase())}else
v===`p`.charCodeAt(0)&&(0===C?M=`(nil)`:R=`0x`,M=C.toString(16));if(c)for(;M.length<h;)M=`0`+M;f
or(o&&(R=t<0?`-`+R:`+`+R);R.length+M.length<u;)l?M+=` `:k?M=`0`+M:R=`
`+R;M=R+M,M.split(``).forEach(function(r){s.push(r.charCodeAt(0))})}else
if([\`f`,`F`,`e`,`E`,`g`,`G`].indexOf(String.fromCharCode(v))!=-1){var
M,t=e(`double`);if(isNaN(t))M=`nan`,k=!1;else if(isFinite(t)){var
N=!1,I=Math.min(h,20);if(v===`g`.charCodeAt(0)||v===`G`.charCodeAt(0)){N=!0,h=h|1;var
P=parseInt(t.toExponential(I).split(`e`)[1],10);h>P&&P>=-
4?(v=(v===`g`.charCodeAt(0)?`f`:`F`).charCodeAt(0),h-
=P+1):(v=(v===`g`.charCodeAt(0)?`e`:`E`).charCodeAt(0),h--
),I=Math.min(h,20)}v===`e`.charCodeAt(0)||v===`E`.charCodeAt(0)?(M=t.toExponential(I),[e][
+])\\\d$/.test(M)&&(M=M.slice(0,-1)+`0`+M.slice(-
1)):v!=`f`.charCodeAt(0)&&v!=`F`.charCodeAt(0)|(M=t.toFixed(I));var
D=M.split(`e`);if(N&&!b)for(;D[0].length>1&&D[0].indexOf(`.`)!=-1&&(`0`===D[0].slice(-
1)||`.`===D[0].slice(-1));)D[0]=D[0].slice(0,-1);else for(b&&M.indexOf(`.`)===
1&&(D[0]+=`.`);h>I++;)D[0]+=`0`;M=D[0]+(D.length>1?`e`+D[1]:``),v===`E`.charCodeAt(0)&&(M=M.to
UpperCase()),o&&t>=0&&(M=`+`+M)}else M=(t<0?`-`:`+`)+`inf`,k=!1;for(;M.length<u;)l?M+=`
`:M=!k||`-`!=M[0]&&`+`!=M[0]?(k?`0`:
`)+M:M[0]+`0`+M.slice(1);v<`a`.charCodeAt(0)&&(M=M.toUpperCase()),M.split(``).forEach(function(r){s.
push(r.charCodeAt(0))})}else if(v===`s`.charCodeAt(0)){var

```



```

L,F=e("\i8*\");if(F?(L=w(F),c&&L.length>h&&(L=L.slice(0,h)):L=p("\(null)\",!0,!1)for(;L.length<u--;)s.push(\
\".charCodeAt(0));if(s=s.concat(L,l)for(;L.length<u--;)s.push(\ \" .charCodeAt(0))}else
if(v==\"c\".charCodeAt(0)){for(l&&s.push(e(\"i8\"));--u>0;s.push(\ \" .charCodeAt(0));l||s.push(e(\"i8\"))}else
if(v==\"n\".charCodeAt(0)){var X=e(\"i32*\");Se[X>>2]=s.length}else if(v==\"%\".charCodeAt(0))s.push(i);else
for(var O=n;O<f+2;O++)s.push(Ae[O]);f+=2}else s.push(i),f+=1}return s}function xa(r,a,e,i){for(var
v=Ua(e,i),t=void 0===a?v.length:Math.min(v.length,a-1),f=0;f<t;f++)Ae[r+f]=v[f];return
Ae[r+f]=0,v.length}function za(r,a,e){return xa(r,void 0,a,e)}function Va(r){return r
in{32:0,9:0,10:0,11:0,12:0,13:0}}function Ba(r){return
r>=\"0\".charCodeAt(0)&&r<=\"9\".charCodeAt(0)}function Ha(r){for(var
a;(a=Ae[r])&&Va(a);r)++;if(!a||!Ba(a))return 0;for(var e=r;(a=Ae[e])&&Ba(a);e)++;return
Math.floor(Number(s(r).substr(0,e-r)))}function Ka(r){throw ke=!0,\"ABORT: \"+r+\"\", at \"+(new
Error).stack}function Ya(r){return Ya.ret||(Ya.ret=_[0],\"i32\",we),Se[Ya.ret>>2]=r,r}function Ga(r,a,e,i){var
v=$e.streams[r];if(!v||v.object.isDevice)return Ya(Ge.EBADF),-1;if(v.isWrite){if(v.object.isFolder)return
Ya(Ge.EISDIR),-1;if(e<0||i<0)return Ya(Ge.EINVAL),-1;for(var t=v.object.contents;t.length<i;t.push(0);for(var
f=0;f<e;f++)t[f]=ge[a+f];return v.object.timestamp=Date.now(),f}return Ya(Ge.EACCES),-1}function
Wa(r,a,e){var i=$e.streams[r];if(i){if(i.isWrite){if(e<0)return Ya(Ge.EINVAL),-
1;if(i.object.isDevice){if(i.object.output){for(var v=0;v<e;v++)try{i.object.output(Ae[a+v])}catch(r){return
Ya(Ge.EIO),-1}return i.object.timestamp=Date.now(),v}return Ya(Ge.ENXIO),-1}var t=Ga(r,a,e,i.position);return
t!=-1&&(i.position+=t)}return Ya(Ge.EACCES),-1}return Ya(Ge.EBADF),-1}function Za(r,a,e,i){var
v=e*a;if(0==v)return 0;var t=Wa(i,r,v);return t==1?($e.streams[i]&&($e.streams[i].error=!0),-
1):Math.floor(t/a)}function Qa(r,a,e){var i=Ua(a,e),v=le.stackSave(),t=Za(_(\"i8\",de),1,i.length,r);return
le.stackRestore(v,t)}function qa(r){switch(r){case 8:return Pe;case 54:case 56:case 21:case 61:case 63:case 22:case
67:case 23:case 24:case 25:case 26:case 27:case 69:case 28:case 101:case 70:case 71:case 29:case 30:case 199:case
75:case 76:case 32:case 43:case 44:case 80:case 46:case 47:case 45:case 48:case 49:case 42:case 82:case 33:case
7:case 108:case 109:case 107:case 112:case 119:case 121:return 200809;case 13:case 104:case 94:case 95:case
34:case 35:case 77:case 81:case 83:case 84:case 85:case 86:case 87:case 88:case 89:case 90:case 91:case 94:case
95:case 110:case 111:case 113:case 114:case 115:case 116:case 117:case 118:case 120:case 40:case 16:case 79:case
19:return-1;case 92:case 93:case 5:case 72:case 6:case 74:case 92:case 93:case 96:case 97:case 98:case 99:case
102:case 103:case 105:return 1;case 38:case 66:case 50:case 51:case 4:return 1024;case 15:case 64:case 41:return
32;case 55:case 37:case 17:return 2147483647;case 18:case 1:return 47839;case 59:case 57:return 99;case 68:case
58:return 2048;case 0:return 2097152;case 3:return 65536;case 14:return 32768;case 73:return 32767;case 39:return
16384;case 60:return 1e3;case 106:return 700;case 52:return 256;case 62:return 255;case 2:return 100;case 65:return
64;case 36:return 20;case 100:return 16;case 20:return 6;case 53:return 4}return Ya(Ge.EINVAL),-1}function
$a(r){var a=Math.floor(Date.now()/1e3);return r&&(Se[r>>2]=a),a}function Ja(){return Ya.ret}function re(r){var
a=re;a.called||(Ie=o(Ie),a.called=!0);var e=Ie;return 0!=r&&le.staticAlloc(r),e}function ae(){return
Se[ae.buf>>2]}function ee(r){r=r||Module.arguments,k();var a=null;return
Module._main&&(a=Module.callMain(r),Module.noExitRuntime||u()),a}var ie=[],ve=false,te=\"object\"==typeof
window,fe=\"function\"==typeof
importScripts,_e=!te&&!ve&&!fe;if(ve){print=function(r){process.stdout.write(r+\"\\n\")},printErr=function(r){pr
ocess.stderr.write(r+\"\\n\")};var se=require(\"fs\");read=function(r){var a=se.readFileSync(r).toString();return
a||\"^\"==r[0]||(r=__dirname.split(\"^\"),slice(0,-
1).join(\"^\")+\"/src^\"+r,a=se.readFileSync(r).toString(),a),load=function(a){r(read(a))},ie=process.argv.slice(2)}el
se if(_e)this.read||(this.read=function(r){snarf(r)},\"undefined\"!=typeof
scriptArgs?ie=scriptArgs:\"undefined\"!=typeof arguments&&(ie=arguments);else
if(te)this.print=printErr=function(r){console.log(r)},this.read=function(r){var a=new XMLHttpRequest;return
a.open(\"GET\",r,!1),a.send(null),a.responseText},this.arguments&&(ie=arguments);else{if(!fe)throw\"Unknown
runtime environment. Where are we?\";this.load=importScripts}\"undefined\"==typeof
load&&\"undefined\"!=typeof read&&(this.load=function(a){r(read(a))},\"undefined\"==typeof

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printErr&&(this.printErr=function(){}),\undefined\==typeof
print&&(this.print=printErr);try{this.Module=Module}catch(r){this.Module=Module={}}Module.arguments||(Module.arguments=ie),Module.print&&(print=Module.print);var ne,oe,le={stackSave:function(){return Oe},stackRestore:function(r){Oe=r},forceAlign:function(r,a){if(a=a|4,1==a)return r;if(isNumber(r)&&isNumber(a))return Math.ceil(r/a)*a;if(isNumber(a)&&isPowerOfTwo(a)){var e=log2(a);return"((((\"+r+\")+\"+(a-1)+\")>>\"+e+\")<<\"+e+\")\"}return\"Math.ceil((\"+r+\")/\"+a+\")*\"+a},isNumberType:function(r){return r in le.INT_TYPES||r in le.FLOAT_TYPES},isPointerType:function(r){return\"*\"==r[r.length-1]},isStructType:function(r){return!isPointerType(r)&&(!!/^\\\\\\\\[\\\\\\\\d+\\\\\\\\ x\\\\\\\\ (.*)\\\\\\\\]/.test(r)||(!/<?{ [^]* }>?/.test(r)||\"%\"==r[0]))},INT_TYPES:{i1:0,i8:0,i16:0,i32:0,i64:0},FLOAT_TYPES:{float:0,double:0},bitshift64:function(r,e,i,v){var t=Math.pow(2,v)-1;if(v<32)switch(i){case\"shl\":return[r<<v,e<<v|(r&t<<32-v)>>>32-v];case\"ashr\":return[(r>>>v|(e&t)<<32-v)>>>0,e>>>v>>>0];case\"lshr\":return[(r>>>v|(e&t)<<32-v)>>>0,e>>>v]}else if(32==v)switch(i){case\"shl\":return[0,r];case\"ashr\":return[e,(0|e)<0?t:0];case\"lshr\":return[e,0]}else switch(i){case\"shl\":return[0,r<<v-32];case\"ashr\":return[e>>v-32>>>0,(0|e)<0?t:0];case\"lshr\":return[e>>>v-32,0]}a(\"unknown bitshift64 op: \"+[value,i,v]),or64:function(r,a){var e=0|r(0|a),i=4294967296*(Math.round(r/4294967296)|Math.round(a/4294967296));return e+i},and64:function(r,a){var e=(0|r)&(0|a),i=4294967296*(Math.round(r/4294967296)&Math.round(a/4294967296));return e+i},xor64:function(r,a){var e=(0|r)^(0|a),i=4294967296*(Math.round(r/4294967296)^Math.round(a/4294967296));return e+i},getNativeTypeSize:function(r,a){if(1==le.QUANTUM_SIZE)return 1;var i={\"%i1\":1,\"%i8\":1,\"%i16\":2,\"%i32\":4,\"%i64\":8,\"%float\":4,\"%double\":8}[\"%\"+r];if(!i)if(\"*\"==r[r.length-1])i=le.QUANTUM_SIZE;else if(\"i\"==r[0]){var v=parseInt(r.substr(1));e=(v%8==0),i=v/8}return i},getNativeFieldSize:function(r){return Math.max(le.getNativeTypeSize(r),le.QUANTUM_SIZE)},dedup:function(r,a){var e={};return a?r.filter(function(r){return!e[r[a]]&&(e[r[a]]=!0,!0)}):r.filter(function(r){return!e[r]&&(e[r]=!0,!0)}),set:function(){for(var r=\"object\"==typeof arguments[0]?arguments[0]:arguments,a={},e=0,e<r.length;e++)a[r[e]]=0;return a},calculateStructAlignment:function(r){r.flatSize=0,r.alignSize=0;var a=[],e=-1;return r.flatIndexes=r.fields.map(function(i){var v,t;if(le.isNumberType(i)||le.isPointerType(i))v=le.getNativeTypeSize(i),t=v;else if(!le.isStructType(i))throw\"Unclear type in struct: \"+i+\", in \"+r.name_+\" :: \"+dump(Types.types[r.name_]);v=Types.types[i].flatSize,t=Types.types[i].alignSize}t=r.packed?1:Math.min(t,le.QUANTUM_SIZE),r.alignSize=Math.max(r.alignSize,t);var f=le.alignMemory(r.flatSize,t);return r.flatSize=f+v,e>=0&&a.push(f-e),e=f,f}),r.flatSize=le.alignMemory(r.flatSize,r.alignSize),0==a.length?r.flatFactor=r.flatSize:1==le.dedup(a).length&&(r.flatFactor=a[0]),r.needsFlattening=1!=r.flatFactor,r.flatIndexes},generateStructInfo:function(r,a,i){var v,t;if(a){if(i=i||0,v=(\"undefined\"==typeof Types?le.typeInfo:Types.types)[a,!v])return null;e(v.fields.length===r.length,\"Number of named fields must match the type for \"+a),t=v.flatIndexes}else{var v={fields:r.map(function(r){return r[0]})};t=le.calculateStructAlignment(v)}var f={__size__:v.flatSize};return a?r.forEach(function(r,a){if(\"string\"==typeof r)f[r]=t[a]+i;else{var e;for(var _ in r)e=_;f[e]=le.generateStructInfo(r[e],v.fields[a],[a])}):r.forEach(function(r,a){f[r[1]]=t[a]}),f},stackAlloc:function(r){var a=Oe;return Oe+=r,Oe=Oe+3>>2<<2,a},staticAlloc:function(r){var a=Ie;return Ie+=r,Ie=Ie+3>>2<<2,Ie=Le&&l(a),alignMemory:function(r,a){var e=r=Math.ceil(r/(a?4:1))*(a?4:1);return e},makeBigInt:function(r,a,e){var i=e?(r>>>0)+4294967296*(a>>>0):(r>>>0)+4294967296*(0|a);return i},QUANTUM_SIZE:4,__dummy__:0},be={MAX_ALLOWED:0,corrections:0,sigs:{},note:function(r,e,i){e||(this.corrections++,this.corrections>=this.MAX_ALLOWED&&a(\"\\\\\\\\n\\\\\\\\nToo many corrections!\")}),print:function(){}},ke=!1,ue=0,ce=this;Module.ccall=i,Module.setValue=t,Module.getValue=f;var

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he=0,de=1,we=2;Module.ALLOC_NORMAL=he,Module.ALLOC_STACK=de,Module.ALLOC_STATIC=we,Module.allocate=_,Module.Pointer_stringify=s,Module.Array_stringify=n;var
pe,Ee,Ae,ge,ye,me,Se,Me,Ce,Re,Te,Oe,Ne,Ie,Pe=4096,De=Module.TOTAL_STACK||5242880,Le=Module.TOTAL_MEMORY||10485760;Module.FAST_MEMORY||2097152;e(!(Int32Array&&Float64Array&&new
Int32Array(1).subarray&&new Int32Array(1).set),\`Cannot fallback to non-typed array case: Code is too
specialized\`);var Fe=new ArrayBuffer(Le);Ae=new Int8Array(Fe),ye=new Int16Array(Fe),Se=new
Int32Array(Fe),ge=new Uint8Array(Fe),me=new Uint16Array(Fe),Me=new Uint32Array(Fe),Ce=new
Float32Array(Fe),Re=new Float64Array(Fe),Se[0]=255,e(255===ge[0]&&0===ge[3],\`Typed arrays 2 must be run
on a little-endian system\`);var Xe=p(\`(\`null)\`);Ie=Xe.length;for(var
je=0;je<Xe.length;je++)Ae[je]=Xe[je];Module.HEAP=Ee,Module.HEAP8=Ae,Module.HEAP16=ye,Module.HEAP
32=Se,Module.HEAPU8=ge,Module.HEAPU16=me,Module.HEAPU32=Me,Module.HEAPF32=Ce,Module.HEAP
F64=Re,Te=Oe=Ie.alignMemory(Ie),Ne=Te+De;var
Ue=Ie.alignMemory(Ne,8),xe=(Ae.subarray(Ue),Se.subarray(Ue>>2)),ze=(Ce.subarray(Ue>>2),Re.subarray(Ue>>3
));Ne=Ue+8,Ie=o(Ne);var
Ve=[],Be=[];Module.Array_copy=c,Module.TypedArray_copy=h,Module.String_len=d,Module.String_copy=w,Module.intArrayFromString=p,Module.intArrayToString=E,Module.writeStringToMemory=A;var
He=[],Ke=0;O.X=1,N.X=1,V.X=1,H.X=1,G.X=1,W.X=1,q.X=1,$.X=1,rr.X=1,ar.X=1,er.X=1,vr.X=1,nr.X=1,or.X=
1,kr.X=1,hr.X=1,Ar.X=1,Sr.X=1,Tr.X=1,Ir.X=1,Pr.X=1,Dr.X=1,Lr.X=1,Fr.X=1,Xr.X=1,zr.X=1,Vr.X=1,Br.X=1,Gr
.X=1,$r.X=1,Module._malloc=Jr,Jr.X=1,ra.X=1,aa.X=1,ea.X=1,ia.X=1,Module._free=va,va.X=1,_a.X=1,sa.X=1,na
.X=1,oa.X=1,la.X=1,da.X=1,Ma.X=1;var
Ye,Ge={E2BIG:7,EACCES:13,EADDRINUSE:98,EADDRNOTAVAIL:99,EAFNOSUPPORT:97,EAGAIN:11,E
ALREADY:114,EBADF:9,EBADMSG:74,EBUSY:16,ECANCELED:125,ECHILD:10,ECONNABORTED:103,E
CONNREFUSED:111,ECONNRESET:104,EDEADLK:35,EDESTADDRREQ:89,EDOM:33,EDQUOT:122,EEXI
ST:17,EFAULT:14,EFBIG:27,EHOSTUNREACH:113,EIDRM:43,EILSEQ:84,EINPROGRESS:115,EINTR:4,EIN
VAL:22,EIO:5,EISCONN:106,EISDIR:21,ELOOP:40,EMFILE:24,EMLINK:31,EMSGSIZE:90,EMULTIHOP:72,
ENAMETOOLONG:36,ENETDOWN:100,ENETRESET:102,ENETUNREACH:101,ENFILE:23,ENOBUFS:105,
ENODATA:61,ENODEV:19,ENOENT:2,ENOEXEC:8,ENOLCK:37,ENOLINK:67,ENOMEM:12,ENOMSG:42,E
NOPROTOOPT:92,ENOSPC:28,ENOSR:63,ENOSTR:60,ENOSYS:38,ENOTCONN:107,ENOTDIR:20,ENOTEM
PTY:39,ENOTRECOVERABLE:131,ENOTSOCK:88,ENOTSUP:95,ENOTTY:25,ENXIO:6,E_OVERFLOW:75,E
OWNERDEAD:130,EPERM:1,EPIPE:32,EPROTO:71,EPROTONOSUPPORT:93,EPROTOTYPE:91,ERANGE:3
4,EROFS:30,ESPIPE:29,ESRCH:3,ESTALE:116,ETIME:62,ETIMEDOUT:110,ETXTBSY:26,EWOULDBLOCK:
11,EXDEV:18},We=0,Ze=0,Qe=0,qe=0,$e={currentPath:\`^\`,nextNode:2,streams:[null],ignorePermissions:!0,absolu
tePath:function(r,a){if(\`string\`!=typeof r)return null;void
0===a&&(a=$e.currentPath),r&&\`^\`==r[0]&&(a="\`");for(var
e=a+\`^\`+r,i=e.split(\`^\`),v=[\`^\`];i.length;){var
t=i.pop();\`^\`==t||\`^\`==t||\`^\`..^\`==t?v.length>1&&v.pop():v.push(t)}return
1==v.length?\`^\`:v.join(\`^\`)},analyzePath:function(r,a,e){var
i={isRoot:!1,exists:!1,error:0,name:null,path:null,object:null,parentExists:!1,parentPath:null,parentObject:null};if(r=
$.absolutePath(r),\`^\`==r)i.isRoot=!0,i.exists=i.parentExists=!0,i.name=\`^\`,i.path=i.parentPath=\`^\`,i.object=i.pa
rentObject=$e.root;else if(null!==(r)){e=e||0,r=r.slice(1).split(\`^\`);for(var
v=$e.root,t=[\`^\`];r.length;){1==r.length&&v.isFolder&&(i.parentExists=!0,i.parentPath=1==t.length?\`^\`:t.join(\`
^\`),i.parentObject=v,i.name=r[0]);var
f=r.shift();if(!v.isFolder){i.error=Ge.ENOTDIR;break}if(!v.read){i.error=Ge.EACCES;break}if(!v.contents.hasOw
nProperty(f)){i.error=Ge.ENOENT;break}if(v=v.contents[f],v.link&&(!a||0!=r.length)){if(e>40){i.error=Ge.ELOOP;
break}var _=$e.absolutePath(v.link,t.join(\`^\`));return
$.analyzePath(_.concat(r).join(\`^\`),a,e+1)}t.push(f),0==r.length&&(i.exists=!0,i.path=t.join(\`^\`),i.object=v)}re
turn i}return i},findObject:function(r,a){$.ensureRoot();var e=$e.analyzePath(r,a);return
e.exists?e.object:(Ya(e.error),null)},createObject:function(r,a,e,i,v){if(r||(r="\`^\`"),\`string\`==typeof

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r&&(r=$e.findObject(r),!r)throw Ya(Ge.EACCES),new Error("\Parent path must exist.\");if(!r.isFolder)throw
Ya(Ge.ENOTDIR),\nnew Error("\Parent must be a folder.\");if(!r.write&&!$e.ignorePermissions)throw
Ya(Ge.EACCES),new Error("\Parent folder must be writeable.\");if(!a||"."===a||"..\"===a)throw
Ya(Ge.ENOENT),new Error("\Name must not be empty.\");if(r.contents.hasOwnProperty(a))throw
Ya(Ge.EEXIST),new Error("\Can't overwrite object.\");r.contents[a]={read:void 0===i||i,write:void
0!:=v&&v,timestamp:Date.now(),inodeNumber:$e.nextInode++};for(var t in
e)e.hasOwnProperty(t)&&(r.contents[a][t]=e[t]);return r.contents[a]},createFolder:function(r,a,e,i){var
v={isFolder:!0,isDevice:!1,contents:{}};return $e.createObject(r,a,v,e,i)},createPath:function(r,a,e,i){var
v=$e.findObject(r);if(null===v)throw new Error("\Invalid parent.\");for(a=a.split("\^").reverse();a.length;){var
t=a.pop();t&&(v.contents.hasOwnProperty(t)||$e.createFolder(v,t,e,i),v=v.contents[t])}return
v},createFile:function(r,a,e,i,v){return
e.isFolder=!1,$e.createObject(r,a,e,i,v)},createDataFile:function(r,a,e,i,v){if("\string\"===typeof e){for(var t=new
Array(e.length),f=0,_=e.length;f<_;++f)t[f]=e.charCodeAtAt(f);e=t}var s={isDevice:!1,contents:e};return
$e.createFile(r,a,s,i,v)},createLazyFile:function(r,a,e,i,v){var t={isDevice:!1,url:e};return
$e.createFile(r,a,t,i,v)},createLink:function(r,a,e,i,v){var t={isDevice:!1,link:e};return
$e.createFile(r,a,t,i,v)},createDevice:function(r,a,e,i){if(!e&&!i)throw new Error("\A device must have at least one
callback defined.\");var v={isDevice:!0,input:e,output:i};return
$e.createFile(r,a,v,Boolean(e),Boolean(i))},forceLoadFile:function(r){if(r.isDevice||r.isFolder||r.link||r.contents)retur
n!0;var a=!0;if("\undefined\"!==typeof XMLHttpRequest)e("\Cannot do synchronous binary XHRs in modern
browsers. Use --embed-file or --preload-file in emcc");else{if("\undefined\"===typeof read)throw new
Error("\Cannot load without read() or XMLHttpRequest.\");try{r.contents=p(read(r.url),!0)}catch(r){a=!1}}return
a||Ya(Ge.EIO),a},ensureRoot:function(){$e.root||($e.root={read:!0,write:!0,isFolder:!0,isDevice:!1,timestamp:Date.
now(),inodeNumber:1,contents:{}})},init:function(r,a,i){function
v(r){null===r||r===\\"\\n\".charCodeAt(0)?(a.printer(a.buffer.join(\"\")),a.buffer=[]):a.buffer.push(String.fromCharCode(r))}e(!$e.init.initialized,\FS.init was previously called. If you want to initialize later with custom parameters,
remove any earlier calls (note that one is automatically added to the generated
code)\),$e.init.initialized=!0,$e.ensureRoot(),r=r||Module.stdin,a=a||Module.stdout,i=i||Module.stderr;var
t=!0,f=!0,s=!0;r||(t=!1,r=function(){if(!r.cache||r.cache.length){var a;\undefined\"!==typeof
window&&\function\"===typeof window.prompt?a=window.prompt("\Input: \"):\"function\"===typeof
readline&&(a=readline()),a||(a=\\n\",r.cache=p(a+\\n\",!0)}return
r.cache.shift()),a||(f=!1,a=v),a.printer||(a.printer=print),a.buffer||(a.buffer=[]),i||(s=!1,i=v),i.printer||(i.printer=print),i
.buffer||(i.buffer=[]),$e.createFolder(\"^\",\"tmp\",!0,!0);var
n=$e.createFolder(\"^\",\"dev\",!0,!0),o=$e.createDevice(n,\"stdin\",r),l=$e.createDevice(n,\"stdout\",null,a),b=$e.cr
eateDevice(n,\"stderr\",null,i),$e.createDevice(n,\"tty\",r,a),$e.streams[1]={path:\"/dev/stdin\",object:o,position:0,is
Read:!0,isWrite:!1,isAppend:!1,isTerminal:!t,error:!1,eof:!1,ungotten:[],$e.streams[2]={path:\"/dev/stdout\",object:
l,position:0,isRead:!1,isWrite:!0,isAppend:!1,isTerminal:!f,error:!1,eof:!1,ungotten:[],$e.streams[3]={path:\"/dev/s
tderr\",object:b,position:0,isRead:!1,isWrite:!0,isAppend:!1,isTerminal:!s,error:!1,eof:!1,ungotten:[],We=_(([1],\"vo
id*\",we),Ze=_( [2],\"void*\",we),Qe=_( [3],\"void*\",we),$e.createPath(\"^\",\"dev/shm/tmp\",!0,!0),$e.streams[We]
=$e.streams[1],$e.streams[Ze]=$e.streams[2],$e.streams[Qe]=$e.streams[3],qe=_( [ (0,0,0,0,We,0,0,0,Ze,0,0,0,Qe,
0,0,0],\"void*\",we),\"void*\",we)},quit:function(){ $e.init.initialized&&($e.streams[2]&&$e.streams[2].object.outp
ut.buffer.length>0&&$e.streams[2].object.output(\"\\n\".charCodeAt(0)),$e.streams[3]&&$e.streams[3].object.out
put.buffer.length>0&&$e.streams[3].object.output(\"\\n\".charCodeAt(0)) }},Je=Ja;Ve.unshift({func:function(){ $e
.ignorePermissions=!1,$e.init.initialized||$e.init() }},Be.push({func:function(){ $e.quit() } }),Ya(0),ae.buf=_(12,\"voi
d*\",we),Module.callMain=function(r){function a(){for(var r=0;r<3;r++)i.push(0)}var
e=r.length+1,i=[_ (p(\"/bin/this.program\"),\"i8\",we)];a();for(var v=0;v<e-
1;v+=1)i.push(_ (p(r[v]),\"i8\",we),a());return i.push(0),i=_(i,\"i32\",we),_main(e,i,0)};var
ri,ai,ei,ii,vi,ti,qe,fi,_i,si,ni,oi,li,bi,ki,ui,ci,hi,di,wi;if(He.__str=_( [97,78,0],\"i8\",we),He.__str1=_( [38,61,0],\"i8\",we)
,He.__str2=_( [97,83,0],\"i8\",we),He.__str3=_( [61,0],\"i8\",we),He.__str4=_( [97,97,0],\"i8\",we),He.__str5=_( [38,3

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He.__str15185=_([111,112,101,114,97,116,111,114,45,0],\"i8\",we),He.__str16186=_([111,112,101,114,97,116,111,114,43,0],\"i8\",we),He.__str17187=_([111,112,101,114,97,116,111,114,38,0],\"i8\",we),He.__str18188=_([111,112,101,114,97,116,111,114,45,62,42,0],\"i8\",we),He.__str19189=_([111,112,101,114,97,116,111,114,47,0],\"i8\",we),He.__str20190=_([111,112,101,114,97,116,111,114,37,0],\"i8\",we),He.__str21191=_([111,112,101,114,97,116,111,114,60,0],\"i8\",we),He.__str22192=_([111,112,101,114,97,116,111,114,60,61,0],\"i8\",we),He.__str23193=_([111,112,101,114,97,116,111,114,62,0],\"i8\",we),He.__str24194=_([111,112,101,114,97,116,111,114,62,61,0],\"i8\",we),He.__str25195=_([111,112,101,114,97,116,111,114,44,0],\"i8\",we),He.__str26196=_([111,112,101,114,97,116,111,114,40,41,0],\"i8\",we),He.__str27197=_([111,112,101,114,97,116,111,114,126,0],\"i8\",we),He.__str28198=_([111,112,101,114,97,116,111,114,94,0],\"i8\",we),He.__str29199=_([111,112,101,114,97,116,111,114,124,0],\"i8\",we),He.__str30200=_([111,112,101,114,97,116,111,114,38,38,0],\"i8\",we),He.__str31201=_([111,112,101,114,97,116,111,114,124,124,0],\"i8\",we),He.__str32202=_([111,112,101,114,97,116,111,114,42,61,0],\"i8\",we),He.__str33203=_([111,112,101,114,97,116,111,114,43,61,0],\"i8\",we),He.__str34204=_([111,112,101,114,97,116,111,114,45,61,0],\"i8\",we),He.__str35205=_([111,112,101,114,97,116,111,114,47,61,0],\"i8\",we),He.__str36206=_([111,112,101,114,97,116,111,114,37,61,0],\"i8\",we),He.__str37207=_([111,112,101,114,97,116,111,114,62,62,61,0],\"i8\",we),He.__str38208=_([111,112,101,114,97,116,111,114,60,60,61,0],\"i8\",we),He.__str39209=_([111,112,101,114,97,116,111,114,38,61,0],\"i8\",we),He.__str40210=_([111,112,101,114,97,116,111,114,124,61,0],\"i8\",we),He.__str41211=_([111,112,101,114,97,116,111,114,94,61,0],\"i8\",we),He.__str42212=_([96,118,102,116,97,98,108,101,39,0],\"i8\",we),He.__str43213=_([96,118,98,116,97,98,108,101,39,0],\"i8\",we),He.__str44214=_([96,118,99,97,108,108,39,0],\"i8\",we),He.__str45215=_([96,116,121,112,101,111,102,39,0],\"i8\",we),He.__str46216=_([96,108,111,99,97,108,32,115,116,97,116,105,99,32,103,117,97,114,100,39,0],\"i8\",we),He.__str47217=_([96,115,116,114,105,110,103,39,0],\"i8\",we),He.__str48218=_([96,118,98,97,115,101,32,100,101,115,116,114,117,99,116,111,114,39,0],\"i8\",we),He.__str49219=_([96,118,101,99,116,111,114,32,100,101,108,101,116,105,110,103,32,100,101,115,116,114,117,99,116,111,114,39,0],\"i8\",we),He.__str50220=_([96,100,101,102,97,117,108,116,32,99,111,110,115,116,114,117,99,116,111,114,32,99,108,111,115,117,114,101,39,0],\"i8\",we),He.__str51221=_([96,115,99,97,108,97,114,32,100,101,108,101,116,105,110,103,32,100,101,115,116,114,117,99,116,111,114,39,0],\"i8\",we),He.__str52222=_([96,118,101,99,116,111,114,32,99,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.__str53223=_([96,118,101,99,116,111,114,32,100,101,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.__str54224=_([96,118,101,99,116,111,114,32,118,98,97,115,101,32,99,111,110,115,116,114,117,99,116,111,114,39,0],\"i8\",we),He.__str55225=_([96,118,105,114,116,117,97,108,32,100,105,115,112,108,97,99,101,109,101,110,116,32,109,97,112,39,0],\"i8\",we),He.__str56226=_([96,101,104,32,118,101,99,116,111,114,32,99,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.__str57227=_([96,101,104,32,118,101,99,116,111,114,32,100,101,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.__str58228=_([96,101,104,32,118,101,99,116,111,114,32,118,98,97,115,101,32,99,111,110,115,116,114,117,99,116,111,114,32,105,116,101,114,97,116,111,114,39,0],\"i8\",we),He.__str59229=_([96,99,111,112,121,32,99,111,110,115,116,114,117,99,116,111,114,32,99,108,111,115,117,114,101,39,0],\"i8\",we),He.__str60230=_([37,115,37,115,32,96,82,84,84,73,32,84,121,112,101,32,68,101,115,99,114,105,112,116,111,114,39,0],\"i8\",we),He.__str61231=_([96,82,84,84,73,32,66,97,115,101,32,67,108,97,115,115,32,68,101,115,99,114,105,112,116,111,114,32,97,116,32,40,37,115,44,37,115,44,37,115,41,39,0],\"i8\",we),He.__str62232=_([96,82,84,84,73,32,66,97,115,101,32,67,108,97,115,115,32,65,114,114,97,121,39,0],\"i8\",we),He.__str63233=_([96,82,84,84,73,32,67,108,97,115,115,32,72,105,101,114,97,114,99,104,121,32,68,101,115,99,114,105,112,116,111,114,39,0],\"i8\",we),He.__str64234=_([96,82,84,84,73,32,67,111,109,112,108,101,116,101,32,79,98,106,101,99,116,32,76,111,99,97,116,111,114,39,0],\"i8\",we),He.__str65235=_([96,108,111,99,97,108,32,118,102,116,97,98,108,101,39,0],\"i8\",we),He.__str66236=_([96,108,111,99,97,108,32,118,102,116,97,98,108,101,32,99,111,110,115,116,114,117,99,116,111,114,32,99,108,111,115,117,114,101,39,0],\"i8\",we),He.__str67237=_([111,112,101,114,97,116,111,114,32,110,101,119,91,93,0],\"i8\",we),He.__str68238=_([111,112,101,114,97,116,111,114,32,100,101,108,101,116,101,91,93,0],\"i8\",we),He.__str69239=_([96,112,108,97,99,101,109,101,110,116,32,100,101,108,101,116,101,32,99,108,111,115,117,114,101,39,0],\"i8\",we),He.__str70240=_([96,112,108,97,99,101,109,101,110,116,32,100,101,108,101,116,101,91,93,32,99,108,111,115,117,1

14,101,39,0],\"i8\",we),He.__str71241=_([126,37,115,0],\"i8\",we),He.__str72242=_([117,110,100,110,97,109,101,46,99,0],\"i8\",we),He.__func__symbol_demangle=_([115,121,109,98,111,108,95,100,101,109,97,110,103,108,101,0],\"i8\",we),He.__str73243=_([115,121,109,45,62,114,101,115,117,108,116,0],\"i8\",we),He.__func__handle__template=_([104,97,110,100,108,101,95,116,101,109,112,108,97,116,101,0],\"i8\",we),He.__str74244=_([42,115,121,109,45,62,99,117,114,114,101,110,116,32,61,61,32,39,36,39,0],\"i8\",we),He.__func__str_array_get_ref=_([115,116,114,95,97,114,114,97,121,95,103,101,116,95,114,101,102,0],\"i8\",we),He.__str75245=_([99,114,101,102,0],\"i8\",we),He.__str76246=_([112,114,105,118,97,116,101,58,32,0],\"i8\",we),He.__str77247=_([112,114,111,116,101,99,116,101,100,58,32,0],\"i8\",we),He.__str78248=_([112,117,98,108,105,99,58,32,0],\"i8\",we),He.__str79249=_([115,116,97,116,105,99,32,0],\"i8\",we),He.__str80250=_([118,105,114,116,117,97,108,32,0],\"i8\",we),He.__str81251=_([91,116,104,117,110,107,93,58,37,115,0],\"i8\",we),He.__str82252=_([37,115,96,97,100,106,117,115,116,111,114,123,37,115,125,39,32,0],\"i8\",we),He.__str83253=_([37,115,32,37,115,0],\"i8\",we),He.__str84254=_([118,111,105,100,0],\"i8\",we),He.__str85255=_([37,115,37,115,37,115,0],\"i8\",we),He.__str86256=_([37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,0],\"i8\",we),He.__str87257=_([32,0],\"i8\",we),He.__str88258=_([100,108,108,95,101,120,112,111,114,116,32,0],\"i8\",we),He.__str89259=_([99,100,101,99,108,0],\"i8\",we),He.__str90260=_([112,97,115,99,97,108,0],\"i8\",we),He.__str91261=_([116,104,105,115,99,97,108,108,0],\"i8\",we),He.__str92262=_([115,116,100,99,97,108,108,0],\"i8\",we),He.__str93263=_([102,97,115,116,99,97,108,108,0],\"i8\",we),He.__str94264=_([99,108,114,99,97,108,108,0],\"i8\",we),He.__str95265=_([95,95,100,108,108,95,101,120,112,111,114,116,32,0],\"i8\",we),He.__str96266=_([95,95,99,100,101,99,108,0],\"i8\",we),He.__str97267=_([95,95,112,97,115,99,97,108,0],\"i8\",we),He.__str98268=_([95,95,116,104,105,115,99,97,108,108,0],\"i8\",we),He.__str99269=_([95,95,115,116,100,99,97,108,108,0],\"i8\",we),He.__str100270=_([95,95,102,97,115,116,99,97,108,108,0],\"i8\",we),He.__str101271=_([95,95,99,108,114,99,97,108,108,0],\"i8\",we),He.__str102272=_([95,95,112,116,114,54,52,0],\"i8\",we),He.__str103273=_([99,111,110,115,116,0],\"i8\",we),He.__str104274=_([118,111,108,97,116,105,108,101,0],\"i8\",we),He.__str105275=_([99,111,110,115,116,32,118,111,108,97,116,105,108,101,0],\"i8\",we),He.__func__get_class_string=_([103,101,116,95,99,108,97,115,115,95,115,116,114,105,110,103,0],\"i8\",we),He.__str106276=_([97,45,62,101,108,116,115,91,105,93,0],\"i8\",we),He.__str107277=_([123,102,111,114,32,96,37,115,39,125,0],\"i8\",we),He.__str108278=_([37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,37,115,0],\"i8\",we),He.__str109279=_([96,37,115,39,0],\"i8\",we),He.__str110280=_([46,46,46,0],\"i8\",we),He.__str111281=_([37,99,118,111,105,100,37,99,0],\"i8\",we),He.__str112282=_([37,115,44,37,115,0],\"i8\",we),He.__str113283=_([37,99,37,115,37,115,32,37,99,0],\"i8\",we),He.__str114284=_([37,99,37,115,37,115,37,99,0],\"i8\",we),He.__func__str_array_push=_([115,116,114,95,97,114,114,97,121,95,112,117,115,104,0],\"i8\",we),He.__str115285=_([112,116,114,0],\"i8\",we),He.__str116286=_([97,0],\"i8\",we),He.__str117287=_([97,45,62,101,108,116,115,91,97,45,62,110,117,109,93,0],\"i8\",we),He.__str118288=_([37,115,37,100,0],\"i8\",we),He.__str119289=_([45,0],\"i8\",we),He.__str120290=_([1,0],\"i8\",we),He.__func__demangle_datatype=_([100,101,109,97,110,103,108,101,95,100,97,116,97,116,121,112,101,0],\"i8\",we),He.__str121291=_([99,116,0],\"i8\",we),He.__str122292=_([117,110,105,111,110,32,0],\"i8\",we),He.__str123293=_([115,116,114,117,99,116,32,0],\"i8\",we),He.__str124294=_([99,108,97,115,115,32,0],\"i8\",we),He.__str125295=_([99,111,105,110,116,101,114,102,97,99,101,32,0],\"i8\",we),He.__str126296=_([96,116,101,109,112,108,97,116,101,45,112,97,114,97,109,101,116,101,114,45,37,115,39,0],\"i8\",we),He.__str127297=_([37,115,37,115,32,40,37,115,42,0],\"i8\",we),He.__str128298=_([41,37,115,0],\"i8\",we),He.__str129299=_([101,110,117,109,32,37,115,0],\"i8\",we),He.__str130300=_([96,116,101,109,112,108,97,116,101,45,112,97,114,97,109,101,116,101,114,37,115,39,0],\"i8\",we),He.__str131301=_([123,37,115,44,37,115,125,0],\"i8\",we),He.__str132302=_([123,37,115,44,37,115,44,37,115,125,0],\"i8\",we),He.__str133303=_([96,110,111,110,45,116,121,112,101,45,116,101,109,112,108,97,116,101,45,112,97,114,97,109,101,116,101,114,37,115,39,0],\"i8\",we),He.__str134304=_([32,95,95,112,116,114,54,52,0],\"i8\",we),He.__str135305=_([32,38,37,115,0],\"i8\",we),He.__str136306=_([32,38,37,115,32,118,111,108,97,116,105,108,101,0],\"i8\",we),He.__str137307=_([32,42,37,115,0],\"i8\",we),He.__str138308=_([32,42,37,115,32,99,111,110,115,116,0],\"i8\",we),He.__str139309=_([32,42,37,115,32,118,111,108,97,116,105,108,101,0],\"i8\",we),He.__str140310=_([32,42,37,115,32,99,111,110,115,116,32,118,111,108,97,116,105,108,101,0],\"i8\",we),He.__str141311=_([32,40,37,115,37,115,41,0],\"i8\",we),He.__str142312=_([32,40,37,115,41,0],\"i8\",we),He.__str143313=_([37,115,91,37,115,93,0],\"i8\",we),He.__str144314=_([37,115,32,37,115,37,

>>2]=0|He.__str46,Se[ri+384>>2]=0|He.__str47,Se[ri+388>>2]=0|He.__str48,Se[ri+400>>2]=0|He.__str49,Se[ri+404>>2]=0|He.__str119289,Se[ri+416>>2]=0|He.__str51,Se[ri+420>>2]=0|He.__str20,Se[ri+432>>2]=0|He.__str52,Se[ri+436>>2]=0|He.__str53,Se[ri+448>>2]=0|He.__str54,Se[ri+452>>2]=0|He.__str55,Se[ri+464>>2]=0|He.__str56,Se[ri+468>>2]=0|He.__str57,Se[ri+480>>2]=0|He.__str58,Se[ri+484>>2]=0|He.__str119289,Se[ri+496>>2]=0|He.__str59,Se[ri+500>>2]=0|He.__str60,Se[ri+512>>2]=0|He.__str61,Se[ri+516>>2]=0|He.__str62,Se[ri+528>>2]=0|He.__str63,Se[ri+532>>2]=0|He.__str64,Se[ri+544>>2]=0|He.__str65,Se[ri+548>>2]=0|He.__str66,Se[ri+560>>2]=0|He.__str67,Se[ri+564>>2]=0|He.__str68,Se[ri+576>>2]=0|He.__str69,Se[ri+580>>2]=0|He.__str70,Se[ri+592>>2]=0|He.__str71,Se[ri+596>>2]=0|He.__str72,Se[ri+608>>2]=0|He.__str73,Se[ri+612>>2]=0|He.__str74,Se[ri+624>>2]=0|He.__str75,Se[ri+628>>2]=0|He.__str76,Se[ri+640>>2]=0|He.__str77,Se[ri+644>>2]=0|He.__str72,Se[ri+656>>2]=0|He.__str78,Se[ri+660>>2]=0|He.__str79,Se[ri+672>>2]=0|He.__str80,Se[ri+676>>2]=0|He.__str81,Se[ri+688>>2]=0|He.__str82,Se[ri+692>>2]=0|He.__str83,Se[ri+704>>2]=0|He.__str84,Se[ri+708>>2]=0|He.__str85,Se[ri+720>>2]=0|He.__str86,Se[ri+724>>2]=0|He.__str87,Se[ri+736>>2]=0|He.__str88,Se[ri+740>>2]=0|He.__str89,Se[ri+752>>2]=0|He.__str90,Se[ri+756>>2]=0|He.__str91,Se[ri+768>>2]=0|He.__str92,Se[ri+772>>2]=0|He.__str91,Se[ai>>2]=0|He.__str145315,Se[ai+8>>2]=0|He.__str145315,Se[ai+20>>2]=0|He.__str167337,Se[ai+28>>2]=0|He.__str95,Se[ai+40>>2]=0|He.__str146316,Se[ai+48>>2]=0|He.__str97,Se[ai+60>>2]=0|He.__str155325,Se[ai+68>>2]=0|He.__str155325,Se[ai+80>>2]=0|He.__str156326,Se[ai+88>>2]=0|He.__str156326,Se[ai+100>>2]=0|He.__str154324,Se[ai+108>>2]=0|He.__str154324,Se[ai+120>>2]=0|He.__str101,Se[ai+128>>2]=0|He.__str101,Se[ai+140>>2]=0|He.__str147317,Se[ai+148>>2]=0|He.__str147317,Se[ai+160>>2]=0|He.__str150320,Se[ai+168>>2]=0|He.__str150320,Se[ai+180>>2]=0|He.__str151321,Se[ai+188>>2]=0|He.__str105,Se[ai+220>>2]=0|He.__str152322,Se[ai+228>>2]=0|He.__str152322,Se[ai+240>>2]=0|He.__str153323,Se[ai+248>>2]=0|He.__str153323,Se[ai+260>>2]=0|He.__str165335,Se[ai+268>>2]=0|He.__str165335,Se[ai+280>>2]=0|He.__str166336,Se[ai+288>>2]=0|He.__str166336,Se[ai+360>>2]=0|He.__str148318,Se[ai+368>>2]=0|He.__str148318,Se[ai+380>>2]=0|He.__str149319,Se[ai+388>>2]=0|He.__str149319,Se[ai+420>>2]=0|He.__str84254,Se[ai+428>>2]=0|He.__str84254,Se[ai+440>>2]=0|He.__str168338,Se[ai+448>>2]=0|He.__str146316,Se[ai+460>>2]=0|He.__str114,Se[ai+468>>2]=0|He.__str152322,Se[ai+480>>2]=0|He.__str115,Se[ai+488>>2]=0|He.__str115,Se[ai+500>>2]=0|He.__str110280,Se[ai+508>>2]=0|He.__str110280,Se[ei+4>>2]=0|He.__str152,Se[ei+12>>2]=0|He.__str152,Se[ei+32>>2]=0|He.__str153,Se[ei+40>>2]=0|He.__str153,Se[ei+48>>2]=0|He.__str154,Se[ei+60>>2]=0|He.__str155,Se[ei+68>>2]=0|He.__str155,Se[ei+76>>2]=0|He.__str156,Se[ei+88>>2]=0|He.__str157,Se[ei+96>>2]=0|He.__str158,Se[ei+104>>2]=0|He.__str156,Se[ei+116>>2]=0|He.__str159,Se[ei+124>>2]=0|He.__str160,Se[ei+132>>2]=0|He.__str161,Se[ei+144>>2]=0|He.__str162,Se[ei+152>>2]=0|He.__str163,Se[ei+160>>2]=0|He.__str164,Se[ei+172>>2]=0|He.__str165,Se[ei+180>>2]=0|He.__str166,Se[ei+188>>2]=0|He.__str167,Se[si+4>>2]=bi,Se[ni+4>>2]=ki,oi=([2,0,0,0],[\"i8*\",0,0,0,0,we),Se[bi>>2]=oi+8|0,Se[bi+4>>2]=0|He.__ZTSSt9bad_alloc,Se[bi+8>>2]=li,Se[ki>>2]=oi+8|0,Se[ki+4>>2]=0|He.__ZTSSt20bad_array_new_length,Se[ki+8>>2]=bi,ui=16,ci=6,hi=18,di=6,wi=6,pe=[0,0,Jr,0,va,0,ya,0,ga,0,wa,0,Sa,0,pa,0,Ea,0,ma,0],Module.FUNCTION_TABLE=pe,Module.run=ee,Module.preRun&&Module.preRun(),0==Ke){ee()}Module.postRun&&Module.postRun(),Module.__cxa_demangle=G;var pi=v(\"__cxa_demangle\", \"string\", [\"string\", \"string\", \"number\", \"number\"]);return function(r){return pi(r,\"\",1,0)}();\n\n\", \"use strict\";\nObject.defineProperty(exports, \"__esModule\", { value: true });\n\nexports.chromeTreeToNodes = void 0;\n\nfunction treeToArray(root) {\n const nodes = [];\n function visit(node) {\n nodes.push({\n id: node.id,\n callFrame: {\n columnNumber: 0,\n functionName: node.functionName,\n lineNumber: node.lineNumber,\n scriptId: node.scriptId,\n url: node.url,\n },\n hitCount: node.hitCount,\n children: node.children.map(child => child.id),\n });\n node.children.forEach(visit);\n }\n visit(root);\n return nodes;\n}\n\nfunction timestampsToDeltas(timestamps, startTime) {\n return timestamps.map((timestamp, index) => {\n const lastTimestamp = index === 0 ? startTime * 1000000 : timestamps[index - 1];\n return timestamp - lastTimestamp;\n });\n}\n\n/**\n * Convert the old tree-based format to the new flat-array based format\n */\nfunction chromeTreeToNodes(content) {\n // Note that both startTime and endTime are now in microseconds\n return {\n samples: content.samples,\n startTime: content.startTime * 1000000,\n endTime: content.endTime * 1000000,\n nodes: treeToArray(content.head),\n timeDeltas:

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timestampsToDeltas(content.timestamps, content.startTime),\n  });\n}\nexports.chromeTreeToNodes =
chromeTreeToNodes;\n","use strict";\nObject.defineProperty(exports, "__esModule", { value: true
});\nexports.Flamechart = void 0;\nconst utils_1 = require("./utils");\nconst math_1 = require("./math");\nclass
Flamechart {\n  constructor(source) {\n    this.source = source;\n    // Bottom to top\n    this.layers = [];\n    this.totalWeight = 0;\n    this.minFrameWidth = 1;\n    const stack = [];\n    const openFrame = (node, value)
=> {\n    const parent = utils_1.lastOf(stack);\n    const frame = {\n      node,\n      parent,\n      children: [],\n      start: value,\n      end: value,\n    }; \n    if (parent) {\n      parent.children.push(frame);\n    } \n    stack.push(frame);\n    }; \n    this.minFrameWidth = Infinity;\n    const closeFrame = (node, value) => {\n      console.assert(stack.length > 0);\n      const stackTop =
stack.pop();\n      stackTop.end = value;\n      if (stackTop.end - stackTop.start === 0)\n        return;\n      const layerIndex = stack.length;\n      while (this.layers.length <= layerIndex)\n        this.layers.push([]);\n      this.layers[layerIndex].push(stackTop);\n      this.minFrameWidth =
Math.min(this.minFrameWidth, stackTop.end - stackTop.start);\n    }; \n    this.totalWeight =
source.getTotalWeight();\n    source.forEachCall(openFrame, closeFrame);\n    if
(!isFinite(this.minFrameWidth))\n      this.minFrameWidth = 1;\n    } \n    getTotalWeight() {\n      return
this.totalWeight;\n    } \n    getLayers() {\n      return this.layers;\n    } \n    getColorBucketForFrame(frame) {\n
return this.source.getColorBucketForFrame(frame);\n    } \n    getMinFrameWidth() {\n      return
this.minFrameWidth;\n    } \n    formatValue(v) {\n      return this.source.formatValue(v);\n    } \n
getClampedViewportWidth(viewportWidth) {\n      const maxWidth = this.getTotalWeight();\n      // In order to
avoid floating point error, we cap the maximum zoom. In\n      // particular, it's important that at the maximum
zoom level, the total\n      // trace size + a viewport width is not equal to the trace size due to\n      // floating point
rounding.\n      /\n      // For instance, if the profile's total weight is 2^60, and the viewport\n      // size is 1,
trying to move one viewport width right will result in no\n      // change because 2^60 + 1 = 2^60 in floating point
arithmetic. JavaScript\n      // numbers are 64 bit floats, and therefore have 53 mantissa bits. You can\n      // see
this for yourself in the console. Try:\n      /\n      // > Math.pow(2, 60) + 1 === Math.pow(2, 60)\n      // true\n
      // > Math.pow(2, 53) + 1 === Math.pow(2, 53)\n      // true\n      // > Math.pow(2, 52) + 1 ===
Math.pow(2, 52)\n      // false\n      /\n      // We use 2^40 as a cap instead, since we want to be able to make
small\n      // adjustments within a viewport width.\n      /\n      // For reference, this will still allow you to zoom
until 1 nanosecond fills\n      // the screen in a profile with a duration of over 18 minutes.\n      /\n      // >
Math.pow(2, 40) / (60 * Math.pow(10, 9))\n      // 18.325193796266667\n      /\n      const maxZoom =
Math.pow(2, 40);\n      // In addition to capping zoom to avoid floating point error, we further cap\n      // zoom to
avoid letting you zoom in so that the smallest element more than\n      // fills the screen, since that probably isn't
useful. The final zoom cap is\n      // determined by the minimum zoom of either 2^40x zoom or the necessary
zoom\n      // for the smallest frame to fill the screen three times.\n      const minWidth = math_1.clamp(3 *
this.getMinFrameWidth(), maxWidth / maxZoom, maxWidth);\n      return math_1.clamp(viewportWidth,
minWidth, maxWidth);\n    } \n    // Given a desired config-space viewport rectangle, clamp the rectangle so\n    //
that it fits within the given flamechart. This prevents the viewport from\n    // extending past the bounds of the
flamechart or zooming in too far.\n    getClampedConfigSpaceViewportRect({ configSpaceViewportRect,
renderInverted, }) {\n      const configSpaceSize = new math_1.Vec2(this.getTotalWeight(),
this.getLayers().length);\n      const width = this.getClampedViewportWidth(configSpaceViewportRect.size.x);\n
      const size = configSpaceViewportRect.size.withX(width);\n      const origin =
math_1.Vec2.clamp(configSpaceViewportRect.origin, new math_1.Vec2(0, renderInverted ? 0 : -1),
math_1.Vec2.max(math_1.Vec2.zero, configSpaceSize.minus(size).plus(new math_1.Vec2(0, 1))));\n      return
new math_1.Rect(origin, configSpaceViewportRect.size.withX(width));\n    } \n}\nexports.Flamechart =
Flamechart;\n","use strict";\nObject.defineProperty(exports, "__esModule", { value: true });\nexports.Rect =
exports.AffineTransform = exports.Vec2 = exports.clamp = void 0;\nfunction clamp(x, minVal, maxVal) {\n  if (x
< minVal)\n    return minVal;\n  if (x > maxVal)\n    return maxVal;\n  return x;\n}\nexports.clamp =
clamp;\nlet Vec2 = /** @class */ (() => {\n  class Vec2 {\n    constructor(x, y) {\n      this.x = x;\n

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this.y = y;\n    }\n    withX(x) {\n        return new Vec2(x, this.y);\n    }\n    withY(y) {\n        return
new Vec2(this.x, y);\n    }\n    plus(other) {\n        return new Vec2(this.x + other.x, this.y + other.y);\n
}\n    minus(other) {\n        return new Vec2(this.x - other.x, this.y - other.y);\n    }\n    times(scalar) {\n
        return new Vec2(this.x * scalar, this.y * scalar);\n    }\n    timesPointwise(other) {\n        return new
Vec2(this.x * other.x, this.y * other.y);\n    }\n    dividedByPointwise(other) {\n        return new Vec2(this.x /
other.x, this.y / other.y);\n    }\n    dot(other) {\n        return this.x * other.x + this.y * other.y;\n    }\n
equals(other) {\n        return this.x === other.x && this.y === other.y;\n    }\n    approxEquals(other, epsilon
= 1e-9) {\n        return Math.abs(this.x - other.x) < epsilon && Math.abs(this.y - other.y) < epsilon;\n    }\n
length2() {\n        return this.dot(this);\n    }\n    length() {\n        return Math.sqrt(this.length2());\n    }\n
abs() {\n        return new Vec2(Math.abs(this.x), Math.abs(this.y));\n    }\n    static min(a, b) {\n
return new Vec2(Math.min(a.x, b.x), Math.min(a.y, b.y));\n    }\n    static max(a, b) {\n        return new
Vec2(Math.max(a.x, b.x), Math.max(a.y, b.y));\n    }\n    static clamp(v, min, max) {\n        return new
Vec2(clamp(v.x, min.x, max.x), clamp(v.y, min.y, max.y));\n    }\n    flatten() {\n        return [this.x,
this.y];\n    }\n    }\n    Vec2.zero = new Vec2(0, 0);\n    Vec2.unit = new Vec2(1, 1);\n    return
Vec2;\n})();\nexports.Vec2 = Vec2;\n\nclass AffineTransform {\n    constructor(m00 = 1, m01 = 0, m02 = 0, m10 = 0,
m11 = 1, m12 = 0) {\n        this.m00 = m00;\n        this.m01 = m01;\n        this.m02 = m02;\n        this.m10 = m10;\n
        this.m11 = m11;\n        this.m12 = m12;\n    }\n    withScale(s) {\n        let { m00, m01, m02, m10, m11, m12 } =
this;\n        m00 = s.x;\n        m11 = s.y;\n        return new AffineTransform(m00, m01, m02, m10, m11, m12);\n
    }\n    static withScale(s) {\n        return new AffineTransform().withScale(s);\n    }\n    scaledBy(s) {\n        return
AffineTransform.withScale(s).times(this);\n    }\n    getScale() {\n        return new Vec2(this.m00, this.m11);\n    }\n
withTranslation(t) {\n        let { m00, m01, m02, m10, m11, m12 } = this;\n        m02 = t.x;\n        m12 = t.y;\n
return new AffineTransform(m00, m01, m02, m10, m11, m12);\n    }\n    static withTranslation(t) {\n        return
new AffineTransform().withTranslation(t);\n    }\n    getTranslation() {\n        return new Vec2(this.m02,
this.m12);\n    }\n    translatedBy(t) {\n        return AffineTransform.withTranslation(t).times(this);\n    }\n    static
betweenRects(from, to) {\n        return AffineTransform.withTranslation(from.origin.times(-1)).\n        .scaledBy(new Vec2(to.size.x / from.size.x, to.size.y / from.size.y)).\n        translatedBy(to.origin);\n    }\n    }\n
times(other) {\n        const m00 = this.m00 * other.m00 + this.m01 * other.m10;\n        const m01 = this.m00 *
other.m01 + this.m01 * other.m11;\n        const m02 = this.m00 * other.m02 + this.m01 * other.m12 + this.m02;\n
        const m10 = this.m10 * other.m00 + this.m11 * other.m10;\n        const m11 = this.m10 * other.m01 + this.m11 *
other.m11;\n        const m12 = this.m10 * other.m02 + this.m11 * other.m12 + this.m12;\n        return new
AffineTransform(m00, m01, m02, m10, m11, m12);\n    }\n    equals(other) {\n        return (this.m00 === other.m00
&&\n        this.m01 === other.m01 &&\n        this.m02 === other.m02 &&\n        this.m10 === other.m10 &&\n
        this.m11 === other.m11 &&\n        this.m12 === other.m12);\n    }\n    approxEquals(other, epsilon = 1e-9)
{\n        return (Math.abs(this.m00 - other.m00) < epsilon &&\n        Math.abs(this.m01 - other.m01) < epsilon
&&\n        Math.abs(this.m02 - other.m02) < epsilon &&\n        Math.abs(this.m10 - other.m10) < epsilon
&&\n        Math.abs(this.m11 - other.m11) < epsilon &&\n        Math.abs(this.m12 - other.m12) < epsilon);\n
    }\n    timesScalar(s) {\n        const { m00, m01, m02, m10, m11, m12 } = this;\n        return new AffineTransform(s
* m00, s * m01, s * m02, s * m10, s * m11, s * m12);\n    }\n    det() {\n        const { m00, m01, m02, m10, m11,
m12 } = this;\n        const m20 = 0;\n        const m21 = 0;\n        const m22 = 1;\n        return (m00 * (m11 * m22 -
m12 * m21) - m01 * (m10 * m22 - m12 * m20) + m02 * (m10 * m21 - m11 * m20));\n    }\n    adj() {\n        const {
m00, m01, m02, m10, m11, m12 } = this;\n        const m20 = 0;\n        const m21 = 0;\n        const m22 = 1;\n        //
Adjugate matrix (a) is the transpose of the\n        // cofactor matrix (c).\n        //\n        // 00 01 02\n        // 10 11 12\n
// 20 21 22\n        const a00 = /* c00 = */ +(m11 * m22 - m12 * m21);\n        const a01 = /* c10 = */ -(m01 * m22
- m02 * m21);\n        const a02 = /* c20 = */ +(m01 * m12 - m02 * m11);\n        const a10 = /* c01 = */ -(m10 *
m22 - m12 * m20);\n        const a11 = /* c11 = */ +(m00 * m22 - m02 * m20);\n        const a12 = /* c21 = */ -(m00
* m12 - m02 * m10);\n        return new AffineTransform(a00, a01, a02, a10, a11, a12);\n    }\n    inverted() {\n
const det = this.det();\n        if (det === 0)\n            return null;\n        const adj = this.adj();\n        return
adj.timesScalar(1 / det);\n    }\n    transformVector(v) {\n        return new Vec2(v.x * this.m00 + v.y * this.m01, v.x

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* this.m10 + v.y * this.m11);\n } \n inverseTransformVector(v) {\n   const inv = this.inverted();\n   if (!inv)\n     return null;\n   return inv.transformVector(v);\n } \n transformPosition(v) {\n   return new Vec2(v.x * this.m00 + v.y * this.m01 + this.m02, v.x * this.m10 + v.y * this.m11 + this.m12);\n } \n inverseTransformPosition(v) {\n   const inv = this.inverted();\n   if (!inv)\n     return null;\n   return inv.transformPosition(v);\n } \n transformRect(r) {\n   const size = this.transformVector(r.size);\n   const origin = this.transformPosition(r.origin);\n   if (size.x < 0 && size.y < 0) {\n     return new Rect(origin.plus(size), size.abs());\n   } \n   else if (size.x < 0) {\n     return new Rect(origin.withX(origin.x + size.x), size.abs());\n   } \n   else if (size.y < 0) {\n     return new Rect(origin.withY(origin.y + size.y), size.abs());\n   } \n   return new Rect(origin, size);\n } \n inverseTransformRect(r) {\n   const inv = this.inverted();\n   if (!inv)\n     return null;\n   return inv.transformRect(r);\n } \n flatten() {\n   // Flatten into GLSL format\n   // prettier-ignore\n   return [\n     this.m00, this.m10, 0,\n     this.m01, this.m11, 0,\n     this.m02, this.m12, 1,\n     ];\n } \n } \n } \n exports.AffineTransform = AffineTransform;\n let Rect = /** @class */ ((() => {\n   class Rect {\n     constructor(origin, size) {\n       this.origin = origin;\n       this.size = size;\n     } \n     isEmpty() {\n       return this.width() == 0 || this.height() == 0;\n     } \n     width() {\n       return this.size.x;\n     } \n     height() {\n       return this.size.y;\n     } \n     left() {\n       return this.origin.x;\n     } \n     right() {\n       return this.left() + this.width();\n     } \n     top() {\n       return this.origin.y;\n     } \n     bottom() {\n       return this.top() + this.height();\n     } \n     topLeft() {\n       return this.origin;\n     } \n     topRight() {\n       return this.origin.plus(new Vec2(this.width(), 0));\n     } \n     bottomRight() {\n       return this.origin.plus(this.size);\n     } \n     bottomLeft() {\n       return this.origin.plus(new Vec2(0, this.height()));\n     } \n     withOrigin(origin) {\n       return new Rect(origin, this.size);\n     } \n     withSize(size) {\n       return new Rect(this.origin, size);\n     } \n     closestPointTo(p) {\n       return new Vec2(clamp(p.x, this.left(), this.right()), clamp(p.y, this.top(), this.bottom()));\n     } \n     distanceFrom(p) {\n       return p.minus(this.closestPointTo(p)).length();\n     } \n     contains(p) {\n       return this.distanceFrom(p) === 0;\n     } \n     hasIntersectionWith(other) {\n       const top = Math.max(this.top(), other.top());\n       const bottom = Math.max(top, Math.min(this.bottom(), other.bottom()));\n       if (bottom - top === 0)\n         return false;\n       const left = Math.max(this.left(), other.left());\n       const right = Math.max(left, Math.min(this.right(), other.right()));\n       if (right - left === 0)\n         return false;\n       return true;\n     } \n     intersectWith(other) {\n       const topLeft = Vec2.max(this.topLeft(), other.topLeft());\n       const bottomRight = Vec2.max(topLeft, Vec2.min(this.bottomRight(), other.bottomRight()));\n       return new Rect(topLeft, bottomRight.minus(topLeft));\n     } \n     equals(other) {\n       return this.origin.equals(other.origin) && this.size.equals(other.size);\n     } \n     approxEquals(other) {\n       return this.origin.approxEquals(other.origin) && this.size.approxEquals(other.size);\n     } \n     area() {\n       return this.size.x * this.size.y;\n     } \n     } \n     Rect.empty = new Rect(Vec2.zero, Vec2.zero);\n     Rect.unit = new Rect(Vec2.zero, Vec2.unit);\n     Rect.NDC = new Rect(new Vec2(-1, -1), new Vec2(2, 2));\n     return Rect;\n   })());\n exports.Rect = Rect;\n }, "(function(root, factory) {\n   'use strict';\n   // Universal Module Definition (UMD) to support AMD, CommonJS/Node.js, Rhino, and browsers.\n\n   /* istanbul ignore next */\n   if (typeof define === 'function' && define.amd) {\n     define('stackframe', [], factory);\n   } else if (typeof exports === 'object') {\n     module.exports = factory();\n   } else {\n     root.StackFrame = factory();\n   } \n })\n (this, function() {\n   'use strict';\n   function _isNumber(n) {\n     return !isNaN(parseFloat(n)) && isFinite(n);\n   } \n\n   function _capitalize(str) {\n     return str.charAt(0).toUpperCase() + str.substring(1);\n   } \n\n   function _getter(p) {\n     return function() {\n       return this[p];\n     }; \n   } \n\n   var booleanProps = ['isConstructor', 'isEval', 'isNative', 'isToplevel'];\n   var numericProps = ['columnNumber', 'lineNumber'];\n   var stringProps = ['fileName', 'functionName', 'source'];\n   var arrayProps = ['args'];\n\n   var props = booleanProps.concat(numericProps, stringProps, arrayProps);\n\n   function StackFrame(obj) {\n     if (!obj) return;\n     for (var i = 0; i < props.length; i++) {\n       if (obj[props[i]] !== undefined) {\n         this['set' + _capitalize(props[i])](obj[props[i]]);\n       } \n     } \n     StackFrame.prototype = {\n       getArgs: function() {\n         return this.args;\n       }, \n       setArgs: function(v) {\n         if

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(Object.prototype.toString.call(v) !== '[object Array]') {\n      throw new TypeError('Args must be an
Array');\n    }\n    this.args = v;\n  },\n  getEvalOrigin: function() {\n    return
this.evalOrigin;\n  },\n  setEvalOrigin: function(v) {\n    if (v instanceof StackFrame) {\n
this.evalOrigin = v;\n    } else if (v instanceof Object) {\n      this.evalOrigin = new StackFrame(v);\n
    } else {\n      throw new TypeError('Eval Origin must be an Object or StackFrame');\n    }\n  },\n  toString: function() {\n    var fileName = this.getFileName() || '';\n    var lineNumber =
this.getLineNumber() || '';\n    var columnNumber = this.getColumnNumber() || '';\n    var functionName =
this.getFunctionName() || '';\n    if (this.getIsEval()) {\n      if (fileName) {\n        return '[eval] (' +
fileName + ':' + lineNumber + ':' + columnNumber + ')';\n      }\n      return '[eval]:' + lineNumber + ':' +
columnNumber;\n    }\n    if (functionName) {\n      return functionName + ' (' + fileName + ':' +
lineNumber + ':' + columnNumber + ')';\n    }\n    return fileName + ':' + lineNumber + ':' +
columnNumber;\n  }\n};\n\nStackFrame.fromString = function StackFrame$$fromString(str) {\n  var
argsStartIndex = str.indexOf('(');\n  var argsEndIndex = str.lastIndexOf(');\n\n  var functionName =
str.substring(0, argsStartIndex);\n  var args = str.substring(argsStartIndex + 1, argsEndIndex).split(',');\n  var
locationString = str.substring(argsEndIndex + 1);\n\n  if (locationString.indexOf('@') === 0) {\n    var parts
= /@(.+)?(?:\\d+)?(?:\\d+)?$/exec(locationString, '');\n    var fileName = parts[1];\n    var lineNumber
= parts[2];\n    var columnNumber = parts[3];\n  }\n\n  return new StackFrame({\n    functionName: functionName,\n    args: args || undefined,\n    fileName: fileName,\n    lineNumber:
lineNumber || undefined,\n    columnNumber: columnNumber || undefined\n  });\n};\n\nfor (var i = 0; i
< booleanProps.length; i++) {\n  StackFrame.prototype['get' + _capitalize(booleanProps[i])] =
_getter(booleanProps[i]);\n  StackFrame.prototype['set' + _capitalize(booleanProps[i])] = (function(p) {\n
return function(v) {\n    this[p] = Boolean(v);\n  };})(booleanProps[i]);\n}\n\nfor (var j = 0; j
< numericProps.length; j++) {\n  StackFrame.prototype['get' + _capitalize(numericProps[j])] =
_getter(numericProps[j]);\n  StackFrame.prototype['set' + _capitalize(numericProps[j])] = (function(p) {\n
return function(v) {\n    if (!isNumber(v)) {\n      throw new TypeError(p + ' must be a Number');\n    }\n
    this[p] = Number(v);\n  };})(numericProps[j]);\n}\n\nfor (var k = 0; k <
stringProps.length; k++) {\n  StackFrame.prototype['get' + _capitalize(stringProps[k])] =
_getter(stringProps[k]);\n  StackFrame.prototype['set' + _capitalize(stringProps[k])] = (function(p) {\n
return function(v) {\n    this[p] = String(v);\n  };})(stringProps[k]);\n}\n\nreturn
StackFrame;\n});\n";\n\nexport const CHANGE_LOG_URL =\n'https://github.com/facebook/react/blob/main/packages/react-devtools/CHANGELOG.md';\n\nexport const
UNSUPPORTED_VERSION_URL =\n'https://reactjs.org/blog/2019/08/15/new-react-devtools.html#how-do-i-get-the-old-version-back';\n\nexport const REACT_DEVTOOLS_WORKPLACE_URL =\n'https://fburl.com/react-devtools-workplace-group';\n\nimport type {\n  Theme,\n  DisplayDensity,\n} from
'/devtools/views/Settings/SettingsContext';\n\nexport const THEME_STYLES: {[style: Theme | DisplayDensity]:
any, ...} = {\n  light: {\n    '--color-attribute-name': '#ef6632',\n    '--color-attribute-name-not-editable': '#23272f',\n
'--color-attribute-name-inverted': 'rgba(255, 255, 255, 0.7)',\n    '--color-attribute-value': '#1a1aa6',\n    '--color-attribute-value-inverted': '#ffffff',\n
'--color-attribute-editable-value': '#1a1aa6',\n    '--color-background': '#ffffff',\n    '--color-background-hover': 'rgba(0, 136, 250, 0.1)',\n
'--color-background-inactive': '#e5e5e5',\n    '--color-background-invalid': '#fff0f0',\n    '--color-background-selected': '#0088fa',\n    '--color-button-background':
'#ffffff',\n    '--color-button-background-focus': '#ededed',\n    '--color-button': '#5f6673',\n    '--color-button-disabled': '#cfd1d5',\n
'--color-button-active': '#0088fa',\n    '--color-button-focus': '#23272f',\n    '--color-button-hover': '#23272f',\n    '--color-border': '#eeeeee',\n
'--color-commit-did-not-render-fill': '#cfd1d5',\n    '--color-commit-did-not-render-fill-text': '#000000',\n    '--color-commit-did-not-render-pattern': '#cfd1d5',\n
'--color-commit-did-not-render-pattern-text': '#333333',\n    '--color-commit-gradient-0': '#37afa9',\n    '--color-commit-gradient-1': '#63b19e',\n
'--color-commit-gradient-2': '#80b393',\n    '--color-commit-gradient-3': '#97b488',\n    '--color-commit-gradient-4': '#abb67d',\n    '--color-commit-gradient-5': '#beb771',\n
'--color-commit-gradient-6': '#cfb965',\n    '--color-commit-gradient-7': '#dfba57',\n    '--color-commit-gradient-8': '#efbb49',\n    '--color-commit-

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gradient-9: '#febc38',\n  '--color-commit-gradient-text': '#000000',\n  '--color-component-name': '#6a51b2',\n  '--color-component-name-inverted': '#ffffff',\n  '--color-component-badge-background': 'rgba(0, 0, 0, 0.1)',\n  '--color-component-badge-background-inverted': 'rgba(255, 255, 255, 0.25)',\n  '--color-component-badge-count': '#777d88',\n  '--color-component-badge-count-inverted': 'rgba(255, 255, 255, 0.7)',\n  '--color-console-error-badge-text': '#ffffff',\n  '--color-console-error-background': '#fff0f0',\n  '--color-console-error-border': '#ffd6d6',\n  '--color-console-error-icon': '#eb3941',\n  '--color-console-error-text': '#fe2e31',\n  '--color-console-warning-badge-text': '#000000',\n  '--color-console-warning-background': '#fffbe5',\n  '--color-console-warning-border': '#fff5c1',\n  '--color-console-warning-icon': '#f4bd00',\n  '--color-console-warning-text': '#64460c',\n  '--color-context-background': 'rgba(0,0,0,.9)',\n  '--color-context-background-hover': 'rgba(255, 255, 255, 0.1)',\n  '--color-context-background-selected': '#178fb9',\n  '--color-context-border': '#3d424a',\n  '--color-context-text': '#ffffff',\n  '--color-context-text-selected': '#ffffff',\n  '--color-dim': '#777d88',\n  '--color-dimmer': '#cfd1d5',\n  '--color-dimmest': '#eff0f1',\n  '--color-error-background': 'hsl(0, 100%, 97%)',\n  '--color-error-border': 'hsl(0, 100%, 92%)',\n  '--color-error-text': '#ff0000',\n  '--color-expand-collapse-toggle': '#777d88',\n  '--color-link': '#0000ff',\n  '--color-modal-background': 'rgba(255, 255, 255, 0.75)',\n  '--color-bridge-version-npm-background': '#eff0f1',\n  '--color-bridge-version-npm-text': '#000000',\n  '--color-bridge-version-number': '#0088fa',\n  '--color-primitive-hook-badge-background': '#e5e5e5',\n  '--color-primitive-hook-badge-text': '#5f6673',\n  '--color-record-active': '#fc3a4b',\n  '--color-record-hover': '#3578e5',\n  '--color-record-inactive': '#0088fa',\n  '--color-resize-bar': '#eeeeee',\n  '--color-resize-bar-active': '#dcdcdc',\n  '--color-resize-bar-border': '#d1d1d1',\n  '--color-resize-bar-dot': '#333333',\n  '--color-timeline-internal-module': '#d1d1d1',\n  '--color-timeline-internal-module-hover': '#c9c9c9',\n  '--color-timeline-internal-module-text': '#444',\n  '--color-timeline-native-event': '#ccc',\n  '--color-timeline-native-event-hover': '#aaa',\n  '--color-timeline-network-primary': '#fcf3dc',\n  '--color-timeline-network-primary-hover': '#f0e7d1',\n  '--color-timeline-network-secondary': '#efc457',\n  '--color-timeline-network-secondary-hover': '#e3ba52',\n  '--color-timeline-priority-background': '#f6f6f6',\n  '--color-timeline-priority-border': '#eeeeee',\n  '--color-timeline-user-timing': '#c9c9c9',\n  '--color-timeline-user-timing-hover': '#93959a',\n  '--color-timeline-react-idle': '#d3e5f6',\n  '--color-timeline-react-idle-hover': '#c3d9ef',\n  '--color-timeline-react-render': '#9fc3f3',\n  '--color-timeline-react-render-hover': '#83afe9',\n  '--color-timeline-react-render-text': '#11365e',\n  '--color-timeline-react-commit': '#c88ff0',\n  '--color-timeline-react-commit-hover': '#b281d6',\n  '--color-timeline-react-commit-text': '#3e2c4a',\n  '--color-timeline-react-layout-effects': '#b281d6',\n  '--color-timeline-react-layout-effects-hover': '#9d71bd',\n  '--color-timeline-react-layout-effects-text': '#3e2c4a',\n  '--color-timeline-react-passive-effects': '#b281d6',\n  '--color-timeline-react-passive-effects-hover': '#9d71bd',\n  '--color-timeline-react-passive-effects-text': '#3e2c4a',\n  '--color-timeline-react-schedule': '#9fc3f3',\n  '--color-timeline-react-schedule-hover': '#2683E2',\n  '--color-timeline-react-suspense-rejected': '#f1cc14',\n  '--color-timeline-react-suspense-rejected-hover': '#ffdf37',\n  '--color-timeline-react-suspense-resolved': '#a6e59f',\n  '--color-timeline-react-suspense-resolved-hover': '#89d281',\n  '--color-timeline-react-suspense-unresolved': '#c9c9c9',\n  '--color-timeline-react-suspense-unresolved-hover': '#93959a',\n  '--color-timeline-thrown-error': '#ee1638',\n  '--color-timeline-thrown-error-hover': '#da1030',\n  '--color-timeline-text-color': '#000000',\n  '--color-timeline-text-dim-color': '#ccc',\n  '--color-timeline-react-work-border': '#eeeeee',\n  '--color-search-match': 'yellow',\n  '--color-search-match-current': '#f7923b',\n  '--color-selected-tree-highlight-active': 'rgba(0, 136, 250, 0.1)',\n  '--color-selected-tree-highlight-inactive': 'rgba(0, 0, 0, 0.05)',\n  '--color-scroll-caret': 'rgba(150, 150, 150, 0.5)',\n  '--color-tab-selected-border': '#0088fa',\n  '--color-text': '#000000',\n  '--color-text-invalid': '#ff0000',\n  '--color-text-selected': '#ffffff',\n  '--color-toggle-background-invalid': '#fc3a4b',\n  '--color-toggle-background-on': '#0088fa',\n  '--color-toggle-background-off': '#cfd1d5',\n  '--color-toggle-text': '#ffffff',\n  '--color-warning-background': '#fb3655',\n  '--color-warning-background-hover': '#f82042',\n  '--color-warning-text-color': '#ffffff',\n  '--color-warning-text-color-inverted': '#fd4d69',\n  // The styles below should be kept in sync with 'root.css'\n  // They are repeated there because they're used by e.g. tooltips or context menus\n  // which get rendered outside of the DOM subtree (where normal theme/styles are written).\n  '--color-scroll-thumb': '#c2c2c2',\n  '--color-scroll-track': '#fafafa',\n  '--color-tooltip-background': 'rgba(0, 0, 0, 0.9)',\n  '--color-tooltip-text': '#ffffff',\n  },\n  dark: {\n    '--color-attribute-name': '#9d87d2',\n    '--color-attribute-name-not-editable':

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'#ededed',\n '--color-attribute-name-inverted': '#282828',\n '--color-attribute-value': '#cedae0',\n '--color-attribute-value-inverted': '#ffffff',\n '--color-attribute-editable-value': 'yellow',\n '--color-background': '#282c34',\n '--color-background-hover': 'rgba(255, 255, 255, 0.1)',\n '--color-background-inactive': '#3d424a',\n '--color-background-invalid': '#5c0000',\n '--color-background-selected': '#178fb9',\n '--color-button-background': '#282c34',\n '--color-button-background-focus': '#3d424a',\n '--color-button': '#afb3b9',\n '--color-button-active': '#61dafb',\n '--color-button-disabled': '#4f5766',\n '--color-button-focus': '#a2e9fc',\n '--color-button-hover': '#ededed',\n '--color-border': '#3d424a',\n '--color-commit-did-not-render-fill': '#777d88',\n '--color-commit-did-not-render-fill-text': '#000000',\n '--color-commit-did-not-render-pattern': '#666c77',\n '--color-commit-did-not-render-pattern-text': '#ffffff',\n '--color-commit-gradient-0': '#37afa9',\n '--color-commit-gradient-1': '#63b19e',\n '--color-commit-gradient-2': '#80b393',\n '--color-commit-gradient-3': '#97b488',\n '--color-commit-gradient-4': '#abb67d',\n '--color-commit-gradient-5': '#beb771',\n '--color-commit-gradient-6': '#cfb965',\n '--color-commit-gradient-7': '#dfba57',\n '--color-commit-gradient-8': '#efbb49',\n '--color-commit-gradient-9': '#febc38',\n '--color-commit-gradient-text': '#000000',\n '--color-component-name': '#61dafb',\n '--color-component-name-inverted': '#282828',\n '--color-component-badge-background': 'rgba(255, 255, 255, 0.25)',\n '--color-component-badge-background-inverted': 'rgba(0, 0, 0, 0.25)',\n '--color-component-badge-count': '#8f949d',\n '--color-component-badge-count-inverted': 'rgba(255, 255, 255, 0.7)',\n '--color-console-error-badge-text': '#000000',\n '--color-console-error-background': '#290000',\n '--color-console-error-border': '#5c0000',\n '--color-console-error-icon': '#eb3941',\n '--color-console-error-text': '#fc7f7f',\n '--color-console-warning-badge-text': '#000000',\n '--color-console-warning-background': '#332b00',\n '--color-console-warning-border': '#665500',\n '--color-console-warning-icon': '#f4bd00',\n '--color-console-warning-text': '#f5f2ed',\n '--color-context-background': 'rgba(255,255,255,.95)',\n '--color-context-background-hover': 'rgba(0, 136, 250, 0.1)',\n '--color-context-background-selected': '#0088fa',\n '--color-context-border': '#eeeeee',\n '--color-context-text': '#000000',\n '--color-context-text-selected': '#ffffff',\n '--color-dim': '#8f949d',\n '--color-dimmer': '#777d88',\n '--color-dimmest': '#4f5766',\n '--color-error-background': '#200',\n '--color-error-border': '#900',\n '--color-error-text': '#f55',\n '--color-expand-collapse-toggle': '#8f949d',\n '--color-link': '#61dafb',\n '--color-modal-background': 'rgba(0, 0, 0, 0.75)',\n '--color-bridge-version-npm-background': 'rgba(0, 0, 0, 0.25)',\n '--color-bridge-version-npm-text': '#ffffff',\n '--color-bridge-version-number': 'yellow',\n '--color-primitive-hook-badge-background': 'rgba(0, 0, 0, 0.25)',\n '--color-primitive-hook-badge-text': 'rgba(255, 255, 255, 0.7)',\n '--color-record-active': '#fc3a4b',\n '--color-record-hover': '#a2e9fc',\n '--color-record-inactive': '#61dafb',\n '--color-resize-bar': '#282c34',\n '--color-resize-bar-active': '#31363f',\n '--color-resize-bar-border': '#3d424a',\n '--color-resize-bar-dot': '#cfd1d5',\n '--color-timeline-internal-module': '#303542',\n '--color-timeline-internal-module-hover': '#363b4a',\n '--color-timeline-internal-module-text': '#7f8899',\n '--color-timeline-native-event': '#b2b2b2',\n '--color-timeline-native-event-hover': '#949494',\n '--color-timeline-network-primary': '#fcf3dc',\n '--color-timeline-network-primary-hover': '#e3dbc5',\n '--color-timeline-network-secondary': '#efc457',\n '--color-timeline-network-secondary-hover': '#d6af4d',\n '--color-timeline-priority-background': '#1d2129',\n '--color-timeline-priority-border': '#282c34',\n '--color-timeline-user-timing': '#c9cadc',\n '--color-timeline-user-timing-hover': '#93959a',\n '--color-timeline-react-idle': '#3d485b',\n '--color-timeline-react-idle-hover': '#465269',\n '--color-timeline-react-render': '#2683E2',\n '--color-timeline-react-render-hover': '#1a76d4',\n '--color-timeline-react-render-text': '#11365e',\n '--color-timeline-react-commit': '#731fad',\n '--color-timeline-react-commit-hover': '#611b94',\n '--color-timeline-react-commit-text': '#e5c1ff',\n '--color-timeline-react-layout-effects': '#611b94',\n '--color-timeline-react-layout-effects-hover': '#51167a',\n '--color-timeline-react-layout-effects-text': '#e5c1ff',\n '--color-timeline-react-passive-effects': '#611b94',\n '--color-timeline-react-passive-effects-hover': '#51167a',\n '--color-timeline-react-passive-effects-text': '#e5c1ff',\n '--color-timeline-react-schedule': '#2683E2',\n '--color-timeline-react-schedule-hover': '#1a76d4',\n '--color-timeline-react-suspense-rejected': '#f1cc14',\n '--color-timeline-react-suspense-rejected-hover': '#e4c00f',\n '--color-timeline-react-suspense-resolved': '#a6e59f',\n '--color-timeline-react-suspense-resolved-hover': '#89d281',\n '--color-timeline-react-suspense-unresolved': '#c9cadc',\n '--color-timeline-react-suspense-unresolved-hover': '#93959a',\n '--color-timeline-thrown-error': '#fb3655',\n '--color-timeline-thrown-error-hover': '#f82042',\n '--color-timeline-text'

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color: '#282c34',\n  '--color-timeline-text-dim-color': '#555b66',\n  '--color-timeline-react-work-border':
'#3d424a',\n  '--color-search-match': 'yellow',\n  '--color-search-match-current': '#f7923b',\n  '--color-selected-
tree-highlight-active': 'rgba(23, 143, 185, 0.15)',\n  '--color-selected-tree-highlight-inactive': 'rgba(255, 255, 255,
0.05)',\n  '--color-scroll-caret': '#4f5766',\n  '--color-shadow': 'rgba(0, 0, 0, 0.5)',\n  '--color-tab-selected-border':
'#178fb9',\n  '--color-text': '#ffffff',\n  '--color-text-invalid': '#ff8080',\n  '--color-text-selected': '#ffffff',\n  '--
color-toggle-background-invalid': '#fc3a4b',\n  '--color-toggle-background-on': '#178fb9',\n  '--color-toggle-
background-off': '#777d88',\n  '--color-toggle-text': '#ffffff',\n  '--color-warning-background': '#ee1638',\n  '--
color-warning-background-hover': '#da1030',\n  '--color-warning-text-color': '#ffffff',\n  '--color-warning-text-
color-inverted': '#ee1638',\n\n  // The styles below should be kept in sync with 'root.css'\n  // They are repeated
there because they're used by e.g. tooltips or context menus\n  // which get rendered outside of the DOM subtree
(where normal theme/styles are written).\n  '--color-scroll-thumb': '#afb3b9',\n  '--color-scroll-track': '#313640',\n
'--color-tooltip-background': 'rgba(255, 255, 255, 0.95)',\n  '--color-tooltip-text': '#000000',\n },\n compact: {\n '-
font-size-monospace-small': '9px',\n  '--font-size-monospace-normal': '11px',\n  '--font-size-monospace-large':
'15px',\n  '--font-size-sans-small': '10px',\n  '--font-size-sans-normal': '12px',\n  '--font-size-sans-large': '14px',\n
'--line-height-data': '18px',\n },\n comfortable: {\n  '--font-size-monospace-small': '10px',\n  '--font-size-
monospace-normal': '13px',\n  '--font-size-monospace-large': '17px',\n  '--font-size-sans-small': '12px',\n  '--font-
size-sans-normal': '14px',\n  '--font-size-sans-large': '16px',\n  '--line-height-data': '22px',\n },\n};\n\n//
HACK\n/\n\n// Sometimes the inline target is rendered before root styles are applied,\n\n// which would result in e.g.
NaN itemSize being passed to react-window list.\n\nconst COMFORTABLE_LINE_HEIGHT: number = parseInt(\n
THEME_STYLES.comfortable['--line-height-data'],\n 10,\n);\n\nconst COMPACT_LINE_HEIGHT: number =
parseInt(\n  THEME_STYLES.compact['--line-height-data'],\n 10,\n);\n\n\nexport
{COMFORTABLE_LINE_HEIGHT, COMPACT_LINE_HEIGHT};\n\n",\n\n/**\n * Copyright (c) Meta Platforms, Inc.
and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n * @flow\n */\n\n\n/**\n * An error thrown when an invalid profile could not be
processed.\n */\n\nexport default class InvalidProfileError extends Error {\n  constructor(message: string, ...args:
Array<any>) {\n    super(message, ...args);\n  }\n}\n\nfunction areInputsEqual(newInputs: Array<any>,
lastInputs: Array<any>) {\n  if (newInputs.length !== lastInputs.length) {\n    return false;\n  }\n  for (var i = 0; i <
newInputs.length; i++) {\n    if (newInputs[i] !== lastInputs[i]) {\n      return false;\n    }\n  }\n  return
true;\n}\n\nfunction memoizeOne(resultFn: () => any, isEqual: (a: any, b: any) => boolean) {\n  if (isEqual === void 0) {\n    isEqual = areInputsEqual;\n  }\n  var lastThis: any;\n  var lastArgs: Array<any> = [];\n  var lastResult: any;\n  var calledOnce = false;\n  function memoized() {\n    var newArgs: Array<any> = [];\n    for (var _i = 0; _i < arguments.length; _i++) {\n      newArgs[_i] = arguments[_i];\n    }\n    if (calledOnce && lastThis === this && isEqual(newArgs, lastArgs)) {\n      return lastResult;\n    }\n    lastResult = resultFn.apply(this, newArgs);\n    calledOnce = true;\n    lastThis = this;\n    lastArgs =
newArgs;\n    return lastResult;\n  }\n  return memoized;\n}\n\nexport default memoizeOne;\n\n",\n\n/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\n\nimport memoize from
'memoize-one';\n\nimport type {\n  BatchUID,\n  Milliseconds,\n  ReactMeasure,\n  TimelineData,\n} from
'./types';\n\nfunction unmemoizedGetBatchRange(\n  batchUID: BatchUID,\n  data: TimelineData,\n  minStartTime?:
number = 0,\n): [Milliseconds, Milliseconds] {\n  const measures =
data.batchUIDToMeasuresMap.get(batchUID);\n  if (measures == null || measures.length === 0) {\n    throw
Error(`Could not find measures with batch UID "${batchUID}"`);\n  }\n  const lastMeasure =
(measures[measures.length - 1]: any): ReactMeasure;\n  const stopTime = lastMeasure.timestamp +
lastMeasure.duration;\n  if (stopTime < minStartTime) {\n    return [0, 0];\n  }\n  let startTime =
minStartTime;\n  for (let index = 0; index < measures.length; index++) {\n    const measure = measures[index];\n    if
(measure.timestamp >= minStartTime) {\n      startTime = measure.timestamp;\n      break;\n    }\n  }\n  return
[startTime, stopTime];\n}\n\nexport const getBatchRange: (\n  batchUID: BatchUID,\n  data: TimelineData,\n  minStartTime?:
number,\n) => [Milliseconds, Milliseconds] = memoize(unmemoizedGetBatchRange);\n\n",\n\n/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\n\n\nimport {\n

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importFromChromeTimeline,\n Flamechart as SpeedscopeFlamechart,\n} from '@elg/speedscope';\nimport type
{TimelineEvent} from '@elg/speedscope';\nimport type {\n ErrorStackFrame,\n BatchUID,\n Flamechart,\n
Milliseconds,\n NativeEvent,\n NetworkMeasure,\n Phase,\n ReactLane,\n ReactComponentMeasure,\n
ReactComponentMeasureType,\n ReactMeasure,\n ReactMeasureType,\n TimelineData,\n SchedulingEvent,\n
SuspenseEvent,\n} from './types';\nimport {\n REACT_TOTAL_NUM_LANES,\n
SCHEDULING_PROFILER_VERSION,\n SNAPSHOT_MAX_HEIGHT,\n} from './constants';\nimport
InvalidProfileError from './InvalidProfileError';\nimport {getBatchRange} from './utils/getBatchRange';\nimport
ErrorStackParser from 'error-stack-parser';\n\ntype MeasureStackElement = {\n type: ReactMeasureType,\n depth:
number,\n measure: ReactMeasure,\n startTime: Milliseconds,\n stopTime?: Milliseconds,\n};\n\ntype
ProcessorState = {\n asyncProcessingPromises: Promise<any>[],\n batchUID: BatchUID,\n
currentReactComponentMeasure: ReactComponentMeasure | null,\n internalModuleCurrentStackFrame:
ErrorStackFrame | null,\n internalModuleStackStringSet: Set<string>,\n measureStack: MeasureStackElement[],\n
nativeEventStack: NativeEvent[],\n nextRenderShouldGenerateNewBatchID: boolean,\n potentialLongEvents:
Array<[NativeEvent, BatchUID]>,\n potentialLongNestedUpdate: SchedulingEvent | null,\n
potentialLongNestedUpdates: Array<[SchedulingEvent, BatchUID]>,\n
potentialSuspenseEventsOutsideOfTransition: Array<\n [SuspenseEvent, ReactLane[]],\n >,\n
requestIdToNetworkMeasureMap: Map<string, NetworkMeasure>,\n uidCounter: BatchUID,\n
unresolvedSuspenseEvents: Map<string, SuspenseEvent>,\n};\n\nconst
NATIVE_EVENT_DURATION_THRESHOLD = 20;\nconst NESTED_UPDATE_DURATION_THRESHOLD =
20;\nconst WARNING_STRINGS = {\n LONG_EVENT_HANDLER:\n 'An event handler scheduled a big
update with React. Consider using the Transition API to defer some of this work.',\n NESTED_UPDATE:\n 'A
big nested update was scheduled during layout. '\n\n 'Nested updates require React to re-render synchronously
before the browser can paint. '\n\n 'Consider delaying this update by moving it to a passive effect (useEffect).',\n
SUSPEND_DURING_UPDATE:\n 'A component suspended during an update which caused a fallback to be
shown. '\n\n 'Consider using the Transition API to avoid hiding components after they've been
mounted.',\n};\n\n// Exported for tests\nexport function getLanesFromTransportDecimalBitmask(\n
laneBitmaskString: string,\n): ReactLane[] {\n const laneBitmask = parseInt(laneBitmaskString, 10);\n\n // As
negative numbers are stored in two's complement format, our bitmask\n // checks will be thrown off by them.\n if
(laneBitmask < 0) {\n return [];\n }\n\n const lanes = [];\n let powersOfTwo = 0;\n while (powersOfTwo <=
REACT_TOTAL_NUM_LANES) {\n if ((1 << powersOfTwo) & laneBitmask) {\n
lanes.push(powersOfTwo);\n }\n powersOfTwo++;\n }\n return lanes;\n}\n\nfunction
updateLaneToLabelMap(\n profilerData: TimelineData,\n laneLabelTuplesString: string,\n): void {\n // These
marks appear multiple times in the data;\n // We only need to extract them once.\n if
(profilerData.laneToLabelMap.size === 0) {\n const laneLabelTuples = laneLabelTuplesString.split(',');\n for
(let laneIndex = 0; laneIndex < laneLabelTuples.length; laneIndex++) {\n // The numeric lane value (e.g. 64) isn't
important.\n // The profiler parses and stores the lane's position within the bitmap,\n // (e.g. lane 1 is index 0,
lane 16 is index 4).\n profilerData.laneToLabelMap.set(laneIndex, laneLabelTuples[laneIndex]);\n }\n
}\n}\n\nlet profilerVersion = null;\n\nfunction getLastType(stack: $PropertyType<ProcessorState, 'measureStack'>)\n
{\n if (stack.length > 0) {\n const {type} = stack[stack.length - 1];\n return type;\n }\n return
null;\n}\n\nfunction getDepth(stack: $PropertyType<ProcessorState, 'measureStack'>)\n
{\n if (stack.length > 0) {\n const {depth, type} = stack[stack.length - 1];\n return type === 'render-idle' ? depth : depth + 1;\n }\n return
0;\n}\n\nfunction markWorkStarted(\n type: ReactMeasureType,\n startTime: Milliseconds,\n lanes:
ReactLane[],\n currentProfilerData: TimelineData,\n state: ProcessorState,\n) {\n const {batchUID, measureStack}
= state;\n const depth = getDepth(measureStack);\n\n const measure: ReactMeasure = {\n type,\n batchUID,\n
depth,\n lanes,\n timestamp: startTime,\n duration: 0,\n }; \n\n state.measureStack.push({depth, measure,
startTime, type});\n\n // This array is pre-initialized when the batchUID is generated.\n const measures =
currentProfilerData.batchUIDToMeasuresMap.get(batchUID);\n if (measures != null) {\n
measures.push(measure);\n } else {\n currentProfilerData.batchUIDToMeasuresMap.set(state.batchUID,

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[measure]);\n }\n\n // This array is pre-initialized before processing starts.\n lanes.forEach(lane => {\n
((currentProfilerData.laneToReactMeasureMap.get(\n lane,\n ): any): ReactMeasure[]).push(measure);\n
});\n\n\nfunction markWorkCompleted(\n type: ReactMeasureType,\n stopTime: Milliseconds,\n
currentProfilerData: TimelineData,\n stack: $PropertyType<ProcessorState, 'measureStack'>,\n) {\n if (stack.length
=== 0) {\n console.error(\n 'Unexpected type \''%s\'' completed at %sms while stack is empty.',\n type,\n
stopTime,\n );\n // Ignore work \"completion\" user timing mark that doesn't complete anything\n return;\n
}\n\n const last = stack[stack.length - 1];\n if (last.type !== type) {\n console.error(\n 'Unexpected type \''%s\''
completed at %sms before \''%s\'' completed.',\n type,\n stopTime,\n last.type,\n );\n }\n\n const
{measure, startTime} = stack.pop();\n if (!measure) {\n console.error('Could not find matching measure for type
'\%s\'.', type);\n }\n\n // $FlowFixMe[cannot-write] This property should not be writable outside of this function.\n
measure.duration = stopTime - startTime;\n}\n\nfunction throwIfIncomplete(\n type: ReactMeasureType,\n stack:
$PropertyType<ProcessorState, 'measureStack'>,\n) {\n const lastIndex = stack.length - 1;\n if (lastIndex >= 0) {\n
const last = stack[lastIndex];\n if (last.stopTime === undefined && last.type === type) {\n throw new
InvalidProfileError(\n `Unexpected type \"${type}\" started before \"${last.type}\" completed.',\n );\n }\n
}\n}\n\nfunction processEventDispatch(\n event: TimelineEvent,\n timestamp: Milliseconds,\n profilerData:
TimelineData,\n state: ProcessorState,\n) {\n const data = event.args.data;\n const type = data.type;\n\n if
(type.startsWith('react-')) {\n const stackTrace = data.stackTrace;\n if (stackTrace) {\n const topFrame =
stackTrace[stackTrace.length - 1];\n if (topFrame.url.includes('/react-dom.')) {\n // Filter out fake React
events dispatched by invokeGuardedCallbackDev.\n return;\n }\n }\n }\n\n // Reduce noise from events
like DOMActivate, load/unload, etc. which are usually not relevant\n if (\n type === 'blur' ||\n type === 'click'
||\n type === 'input' ||\n type.startsWith('focus') ||\n type.startsWith('key') ||\n type.startsWith('mouse') ||\n
type.startsWith('pointer')\n ) {\n const duration = event.dur / 1000;\n\n let depth = 0;\n\n while
(state.nativeEventStack.length > 0) {\n const prevNativeEvent =\n
state.nativeEventStack[state.nativeEventStack.length - 1];\n const prevStopTime = prevNativeEvent.timestamp +
prevNativeEvent.duration;\n\n if (timestamp < prevStopTime) {\n depth = prevNativeEvent.depth + 1;\n
break;\n } else {\n state.nativeEventStack.pop();\n }\n }\n\n const nativeEvent = {\n depth,\n
duration,\n timestamp,\n type,\n warning: null,\n };\n\n profilerData.nativeEvents.push(nativeEvent);\n\n // Keep track of curent event in case future ones overlap.\n //
We separate them into different vertical lanes in this case.\n state.nativeEventStack.push(nativeEvent);\n
}\n}\n\nfunction processResourceFinish(\n event: TimelineEvent,\n timestamp: Milliseconds,\n profilerData:
TimelineData,\n state: ProcessorState,\n) {\n const requestId = event.args.data.requestId;\n const networkMeasure
= state.requestIdToNetworkMeasureMap.get(requestId);\n if (networkMeasure !== null) {\n
networkMeasure.finishTimestamp = timestamp;\n if (networkMeasure.firstReceivedDataTimestamp === 0) {\n
networkMeasure.firstReceivedDataTimestamp = timestamp;\n }\n if
(networkMeasure.lastReceivedDataTimestamp === 0) {\n networkMeasure.lastReceivedDataTimestamp =
timestamp;\n }\n\n // Clean up now that the resource is done.\n
state.requestIdToNetworkMeasureMap.delete(event.args.data.requestId);\n }\n}\n\nfunction
processResourceReceivedData(\n event: TimelineEvent,\n timestamp: Milliseconds,\n profilerData:
TimelineData,\n state: ProcessorState,\n) {\n const requestId = event.args.data.requestId;\n const networkMeasure
= state.requestIdToNetworkMeasureMap.get(requestId);\n if (networkMeasure !== null) {\n if
(networkMeasure.firstReceivedDataTimestamp === 0) {\n networkMeasure.firstReceivedDataTimestamp =
timestamp;\n }\n networkMeasure.lastReceivedDataTimestamp = timestamp;\n
networkMeasure.finishTimestamp = timestamp;\n }\n}\n\nfunction processResourceReceiveResponse(\n event:
TimelineEvent,\n timestamp: Milliseconds,\n profilerData: TimelineData,\n state: ProcessorState,\n) {\n const
requestId = event.args.data.requestId;\n const networkMeasure =
state.requestIdToNetworkMeasureMap.get(requestId);\n if (networkMeasure !== null) {\n
networkMeasure.receiveResponseTimestamp = timestamp;\n }\n}\n\nfunction processScreenshot(\n event:
TimelineEvent,\n timestamp: Milliseconds,\n profilerData: TimelineData,\n state: ProcessorState,\n) {\n const

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encodedSnapshot = event.args.snapshot; // Base 64 encoded\n\n const snapshot = {\n  height: 0,\n  image: null,\n  imageSource: `data:image/png;base64,${encodedSnapshot}`, \n  timestamp,\n  width: 0,\n  };\n\n // Delay processing until we've extracted snapshot dimensions.\n let resolveFn = ((null: any): Function);\n state.asyncProcessingPromises.push(\n  new Promise(resolve => {\n    resolveFn = resolve;\n  }),\n );\n\n // Parse the Base64 image data to determine native size.\n // This will be used later to scale for display within the thumbnail strip.\n fetch(snapshot.imageSource)\n .then(response => response.blob())\n .then(blob => {\n  // $FlowFixMe[cannot-resolve-name] createImageBitmap\n  createImageBitmap(blob).then(bitmap => {\n    snapshot.height = bitmap.height;\n    snapshot.width = bitmap.width;\n\n    resolveFn();\n  });\n });\n\n profilerData.snapshots.push(snapshot);\n\n\nfunction processResourceSendRequest(\n  event: TimelineEvent,\n  timestamp: Milliseconds,\n  profilerData: TimelineData,\n  state: ProcessorState,\n) {\n  const data = event.args.data;\n  const requestId = data.requestId;\n\n  const availableDepths = new Array<boolean>(\n    state.requestIdToNetworkMeasureMap.size + 1,\n  ).fill(true);\n\n  state.requestIdToNetworkMeasureMap.forEach(({ depth }) => {\n    availableDepths[depth] = false;\n  });\n\n  let depth = 0;\n  for (let i = 0; i < availableDepths.length; i++) {\n    if (availableDepths[i]) {\n      depth = i;\n      break;\n    }\n  }\n\n  const networkMeasure: NetworkMeasure = {\n    depth,\n    finishTimestamp: 0,\n    firstReceivedDataTimestamp: 0,\n    lastReceivedDataTimestamp: 0,\n    requestId,\n    requestMethod:\n      data.requestMethod,\n    priority: data.priority,\n    sendRequestTimestamp: timestamp,\n    receiveResponseTimestamp: 0,\n    url: data.url,\n  };\n\n  state.requestIdToNetworkMeasureMap.set(requestId,\n    networkMeasure);\n\n  profilerData.networkMeasures.push(networkMeasure);\n\n  networkMeasure.sendRequestTimestamp = timestamp;\n\n\nfunction processTimelineEvent(\n  event:\n  TimelineEvent,\n  /** Finalized profiler data up to `event`. May be mutated. */\n  currentProfilerData:\n  TimelineData,\n  /** Intermediate processor state. May be mutated. */\n  state: ProcessorState,\n) {\n  const {cat,\n    name, ts, ph} = event;\n\n  const startTime = (ts - currentProfilerData.startTime) / 1000;\n\n  switch (cat) {\n    case 'disabled-by-default-devtools.screenshot':\n      processScreenshot(event, startTime, currentProfilerData, state);\n      break;\n    case 'devtools.timeline':\n      switch (name) {\n        case 'EventDispatch':\n          processEventDispatch(event, startTime, currentProfilerData, state);\n          break;\n        case 'ResourceFinish':\n          processResourceFinish(event, startTime, currentProfilerData, state);\n          break;\n        case 'ResourceReceivedData':\n          processResourceReceivedData(\n            event,\n            startTime,\n            currentProfilerData,\n            state,\n          );\n          break;\n        case 'ResourceReceiveResponse':\n          processResourceReceiveResponse(\n            event,\n            startTime,\n            currentProfilerData,\n            state,\n          );\n          break;\n        case 'ResourceSendRequest':\n          processResourceSendRequest(\n            event,\n            startTime,\n            currentProfilerData,\n            state,\n          );\n          break;\n      }\n      break;\n    case 'blink.user_timing':\n      if (name.startsWith('--react-version-')) {\n        const [reactVersion] = name.slice(16).split('-');\n        currentProfilerData.reactVersion = reactVersion;\n      } else if (name.startsWith('--profiler-version-')) {\n        const [versionString] = name.slice(19).split('-');\n        profilerVersion = parseInt(versionString, 10);\n        if (profilerVersion !== SCHEDULING_PROFILER_VERSION) {\n          throw new InvalidProfileError(\n            `This version of profiling data (${versionString}) is not supported by the current profiler.`,\n          );\n        }\n      } else if (name.startsWith('--react-lane-labels-')) {\n        const [laneLabelTuplesString] = name.slice(20).split('-');\n        updateLaneToLabelMap(currentProfilerData, laneLabelTuplesString);\n      } else if (name.startsWith('--component-')) {\n        processReactComponentMeasure(\n          name,\n          startTime,\n          currentProfilerData,\n          state,\n        );\n      } else if (name.startsWith('--schedule-render-')) {\n        const [laneBitmaskString] = name.slice(18).split('-');\n        currentProfilerData.schedulingEvents.push({\n          type: 'schedule-render',\n          lanes: getLanesFromTransportDecimalBitmask(laneBitmaskString),\n          timestamp: startTime,\n          warning: null,\n        });\n      } else if (name.startsWith('--schedule-forced-update-')) {\n        const [laneBitmaskString, componentName] = name.slice(25).split('-');\n        const forceUpdateEvent = {\n          type: 'schedule-force-update',\n          lanes: getLanesFromTransportDecimalBitmask(laneBitmaskString),\n          componentName,\n          timestamp: startTime,\n          warning: null,\n        }; \n        // If this is a nested update, make a note of it.\n        // Once we're done processing events, we'll check to see if it was a long update and warn

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about it.\n    if (state.measureStack.find(({type}) => type === 'commit')) {\n
state.potentialLongNestedUpdate = forceUpdateEvent;\n    }\n\n
currentProfilerData.schedulingEvents.push(forceUpdateEvent);\n    } else if (name.startsWith('--schedule-state-
update-')) {\n    const [laneBitmaskString, componentName] = name.slice(24).split('-');\n\n    const
stateUpdateEvent = {\n        type: 'schedule-state-update',\n        lanes:
getLanesFromTransportDecimalBitmask(laneBitmaskString),\n        componentName,\n        timestamp:
startTime,\n        warning: null,\n    };\n\n    // If this is a nested update, make a note of it.\n    // Once we're
done processing events, we'll check to see if it was a long update and warn about it.\n    if
(state.measureStack.find(({type}) => type === 'commit')) {\n        state.potentialLongNestedUpdate =
stateUpdateEvent;\n    }\n\n    currentProfilerData.schedulingEvents.push(stateUpdateEvent);\n    } else if
(name.startsWith('--error-')) {\n    const [componentName, phase, message] = name.slice(8).split('-');\n\n
currentProfilerData.thrownErrors.push({\n        componentName,\n        message,\n        phase: ((phase: any):
Phase),\n        timestamp: startTime,\n        type: 'thrown-error',\n    });\n    } else if (name.startsWith('--
suspend-suspend-')) {\n    const [id, componentName, phase, laneBitmaskString, promiseName] = name\n
.slice(19)\n        .split('-');\n    const lanes = getLanesFromTransportDecimalBitmask(laneBitmaskString);\n\n
const availableDepths = new Array<boolean>(\n        state.unresolvedSuspenseEvents.size + 1,\n        ).fill(true);\n
state.unresolvedSuspenseEvents.forEach(({depth}) => {\n        availableDepths[depth] = false;\n    });\n\n
let depth = 0;\n    for (let i = 0; i < availableDepths.length; i++) {\n        if (availableDepths[i]) {\n            depth =
i;\n            break;\n        }\n    }\n\n    // TODO (timeline) Maybe we should calculate depth in post,\n    // so
unresolved Suspense requests don't take up space.\n    // We can't know if they'll be resolved or not at this point.\n
\n    // We'll just give them a default (fake) duration width.\n\n    const suspenseEvent = {\n
componentName,\n        depth,\n        duration: null,\n        id,\n        phase: ((phase: any): Phase),\n
promiseName: promiseName || null,\n        resolution: 'unresolved',\n        timestamp: startTime,\n        type:
'suspense',\n        warning: null,\n    };\n\n    if (phase === 'update') {\n        // If a component suspended
during an update, we should verify that it was during a transition.\n        // We need the lane metadata to verify this
though.\n        // Since that data is only logged during commit, we may not have it yet.\n        // Store these events
for post-processing then.\n        state.potentialSuspenseEventsOutsideOfTransition.push([\n
suspenseEvent,\n        lanes,\n    ]);\n    }\n\n
currentProfilerData.suspenseEvents.push(suspenseEvent);\n    state.unresolvedSuspenseEvents.set(id,
suspenseEvent);\n    } else if (name.startsWith('--suspend-resolved-')) {\n    const [id] = name.slice(20).split('-
');\n    const suspenseEvent = state.unresolvedSuspenseEvents.get(id);\n    if (suspenseEvent !== null) {\n
state.unresolvedSuspenseEvents.delete(id);\n\n        suspenseEvent.duration = startTime -
suspenseEvent.timestamp;\n        suspenseEvent.resolution = 'resolved';\n    }\n    } else if (name.startsWith('--
suspend-rejected-')) {\n    const [id] = name.slice(20).split('-');\n    const suspenseEvent =
state.unresolvedSuspenseEvents.get(id);\n    if (suspenseEvent !== null) {\n
state.unresolvedSuspenseEvents.delete(id);\n\n        suspenseEvent.duration = startTime -
suspenseEvent.timestamp;\n        suspenseEvent.resolution = 'rejected';\n    }\n    } else if (name.startsWith('--
render-start-')) {\n    if (state.nextRenderShouldGenerateNewBatchID) {\n
state.nextRenderShouldGenerateNewBatchID = false;\n        state.batchUID = ((state.uidCounter++: any):
BatchUID);\n    }\n\n    // If this render is the result of a nested update, make a note of it.\n    // Once we're
done processing events, we'll check to see if it was a long update and warn about it.\n    if
(state.potentialLongNestedUpdate !== null) {\n        state.potentialLongNestedUpdates.push([\n
state.potentialLongNestedUpdate,\n        state.batchUID,\n    ]);\n        state.potentialLongNestedUpdate =
null;\n    }\n\n    const [laneBitmaskString] = name.slice(15).split('-');\n\n    throwIfIncomplete('render',
state.measureStack);\n    if (getLastType(state.measureStack) !== 'render-idle') {\n        markWorkStarted(\n
'render-idle',\n        startTime,\n        getLanesFromTransportDecimalBitmask(laneBitmaskString),\n
currentProfilerData,\n        state,\n    );\n    }\n    markWorkStarted(\n        'render',\n        startTime,\n
getLanesFromTransportDecimalBitmask(laneBitmaskString),\n        currentProfilerData,\n        state,\n

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);\n\n    for (let i = 0; i < state.nativeEventStack.length; i++) {\n        const nativeEvent =
state.nativeEventStack[i];\n        const stopTime = nativeEvent.timestamp + nativeEvent.duration;\n        // If
React work was scheduled during an event handler, and the event had a long duration,\n        // it might be because
the React render was long and stretched the event.\n        // It might also be that the React work was short and that
something else stretched the event.\n        // Make a note of this event for now and we'll examine the batch of React
render work later.\n        // (We can't know until we're done processing the React update anyway.)\n        if
(stopTime > startTime) {\n            state.potentialLongEvents.push([nativeEvent, state.batchUID]);\n        }\n    } else if (\n        name.startsWith('--render-stop') ||\n        name.startsWith('--render-yield')\n    ) {\n        markWorkCompleted(\n            'render',\n            startTime,\n            currentProfilerData,\n            state.measureStack,\n            );\n    } else if (name.startsWith('--commit-start-')) {\n        state.nextRenderShouldGenerateNewBatchID =
true;\n        const [laneBitmaskString] = name.slice(15).split('-');\n        markWorkStarted(\n            'commit',\n            startTime,\n            getLanesFromTransportDecimalBitmask(laneBitmaskString),\n            currentProfilerData,\n            state,\n            );\n    } else if (name.startsWith('--commit-stop')) {\n        markWorkCompleted(\n            'commit',\n            startTime,\n            currentProfilerData,\n            state.measureStack,\n            );\n        markWorkCompleted(\n            'render-idle',\n            startTime,\n            currentProfilerData,\n            state.measureStack,\n            );\n    } else if
(name.startsWith('--layout-effects-start-')) {\n        const [laneBitmaskString] = name.slice(23).split('-');\n        markWorkStarted(\n            'layout-effects',\n            startTime,\n            getLanesFromTransportDecimalBitmask(laneBitmaskString),\n            currentProfilerData,\n            state,\n            );\n    } else if (name.startsWith('--layout-effects-stop')) {\n        markWorkCompleted(\n            'layout-effects',\n            startTime,\n            currentProfilerData,\n            state.measureStack,\n            );\n    } else if (name.startsWith('--
passive-effects-start-')) {\n        const [laneBitmaskString] = name.slice(24).split('-');\n        markWorkStarted(\n            'passive-effects',\n            startTime,\n            getLanesFromTransportDecimalBitmask(laneBitmaskString),\n            currentProfilerData,\n            state,\n            );\n    } else if (name.startsWith('--passive-effects-stop')) {\n        markWorkCompleted(\n            'passive-effects',\n            startTime,\n            currentProfilerData,\n            state.measureStack,\n            );\n    } else if (name.startsWith('--react-internal-module-start-')) {\n        const
stackFrameStart = name.slice(30);\n        if (!state.internalModuleStackStringSet.has(stackFrameStart)) {\n            state.internalModuleStackStringSet.add(stackFrameStart);\n            const parsedStackFrameStart =
parseStackFrame(stackFrameStart);\n            state.internalModuleCurrentStackFrame = parsedStackFrameStart;\n        }\n    } else if (name.startsWith('--react-internal-module-stop-')) {\n        const stackFrameStop =
name.slice(29);\n        if (!state.internalModuleStackStringSet.has(stackFrameStop)) {\n            state.internalModuleStackStringSet.add(stackFrameStop);\n            const parsedStackFrameStop =
parseStackFrame(stackFrameStop);\n            if (\n                parsedStackFrameStop !== null &&\n                state.internalModuleCurrentStackFrame !== null\n            ) {\n                const parsedStackFrameStart =
state.internalModuleCurrentStackFrame;\n                state.internalModuleCurrentStackFrame = null;\n                const
range = [parsedStackFrameStart, parsedStackFrameStop];\n                const ranges =
currentProfilerData.internalModuleSourceToRanges.get(\n                    parsedStackFrameStart.fileName,\n                    );\n                if (ranges === null) {\n                    currentProfilerData.internalModuleSourceToRanges.set(\n                        parsedStackFrameStart.fileName,\n                        [range],\n                    );\n                } else {\n                    ranges.push(range);\n                }\n            }\n        } else if (ph === 'R' || ph === 'n') {\n            // User Timing mark\n            currentProfilerData.otherUserTimingMarks.push({\n                name,\n                timestamp: startTime,\n            });\n        } else
if (ph === 'b') {\n            // TODO: Begin user timing measure\n        } else if (ph === 'e') {\n            // TODO: End user
timing measure\n        } else if (ph === 'i' || ph === 'T') {\n            // Instant events.\n            // Note that the capital "I" is a
deprecated value that exists in Chrome Canary traces.\n        } else {\n            throw new InvalidProfileError(\n                `Unrecognized event ${JSON.stringify(\n                    event,\n                )}`\n            );\n        }\n        break;\n    }\n}\n\nfunction assertNoOverlappingComponentMeasure(state: ProcessorState) {\n    if
(state.currentReactComponentMeasure !== null) {\n        console.error(\n            'Component measure started while
another measure in progress:',\n            state.currentReactComponentMeasure,\n        );\n    }\n}\n\nfunction
assertCurrentComponentMeasureType(\n    state: ProcessorState,\n    type: ReactComponentMeasureType,\n): void {\n

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if (state.currentReactComponentMeasure === null) {\n  console.error(\n    `Component measure type \"${type}\"
stopped while no measure was in progress`,\n  );\n } else if (state.currentReactComponentMeasure.type !== type)
{\n  console.error(\n    `Component measure type \"${type}\" stopped while type
${state.currentReactComponentMeasure.type} in progress`,\n  );\n }\n}\n\nfunction
processReactComponentMeasure(\n name: string,\n startTime: Milliseconds,\n currentProfilerData:
TimelineData,\n state: ProcessorState,\n): void {\n  if (name.startsWith('--component-render-start-')) {\n  const
[componentName] = name.slice(25).split('-');\n  assertNoOverlappingComponentMeasure(state);\n  state.currentReactComponentMeasure = {\n  componentName,\n  timestamp: startTime,\n  duration: 0,\n  type: 'render',\n  warning: null,\n  }; \n } else if (name === '--component-render-stop') {\n
assertCurrentComponentMeasureType(state, 'render');\n  if (state.currentReactComponentMeasure !== null) {\n
  const componentMeasure = state.currentReactComponentMeasure;\n  componentMeasure.duration = startTime -
componentMeasure.timestamp;\n  state.currentReactComponentMeasure = null;\n  currentProfilerData.componentMeasures.push(componentMeasure);\n  }\n } else if (name.startsWith('--
component-layout-effect-mount-start-')) {\n  const [componentName] = name.slice(38).split('-');\n  assertNoOverlappingComponentMeasure(state);\n  state.currentReactComponentMeasure = {\n
componentName,\n  timestamp: startTime,\n  duration: 0,\n  type: 'layout-effect-mount',\n  warning:
null,\n  }; \n } else if (name === '--component-layout-effect-mount-stop') {\n
assertCurrentComponentMeasureType(state, 'layout-effect-mount');\n  if (state.currentReactComponentMeasure
!== null) {\n  const componentMeasure = state.currentReactComponentMeasure;\n
componentMeasure.duration = startTime - componentMeasure.timestamp;\n  state.currentReactComponentMeasure = null;\n
currentProfilerData.componentMeasures.push(componentMeasure);\n  }\n } else if (name.startsWith('--
component-layout-effect-unmount-start-')) {\n  const [componentName] = name.slice(40).split('-');\n  assertNoOverlappingComponentMeasure(state);\n  state.currentReactComponentMeasure = {\n
componentName,\n  timestamp: startTime,\n  duration: 0,\n  type: 'layout-effect-unmount',\n  warning:
null,\n  }; \n } else if (name === '--component-layout-effect-unmount-stop') {\n
assertCurrentComponentMeasureType(state, 'layout-effect-unmount');\n  if
(state.currentReactComponentMeasure !== null) {\n  const componentMeasure =
state.currentReactComponentMeasure;\n  componentMeasure.duration = startTime -
componentMeasure.timestamp;\n  state.currentReactComponentMeasure = null;\n
currentProfilerData.componentMeasures.push(componentMeasure);\n  }\n } else if (name.startsWith('--
component-passive-effect-mount-start-')) {\n  const [componentName] = name.slice(39).split('-');\n  assertNoOverlappingComponentMeasure(state);\n  state.currentReactComponentMeasure = {\n
componentName,\n  timestamp: startTime,\n  duration: 0,\n  type: 'passive-effect-mount',\n  warning:
null,\n  }; \n } else if (name === '--component-passive-effect-mount-stop') {\n
assertCurrentComponentMeasureType(state, 'passive-effect-mount');\n  if (state.currentReactComponentMeasure
!== null) {\n  const componentMeasure = state.currentReactComponentMeasure;\n
componentMeasure.duration = startTime - componentMeasure.timestamp;\n  state.currentReactComponentMeasure = null;\n
currentProfilerData.componentMeasures.push(componentMeasure);\n  }\n } else if (name.startsWith('--
component-passive-effect-unmount-start-')) {\n  const [componentName] = name.slice(41).split('-');\n  assertNoOverlappingComponentMeasure(state);\n  state.currentReactComponentMeasure = {\n
componentName,\n  timestamp: startTime,\n  duration: 0,\n  type: 'passive-effect-unmount',\n  warning:
null,\n  }; \n } else if (name === '--component-passive-effect-unmount-stop') {\n
assertCurrentComponentMeasureType(state, 'passive-effect-unmount');\n  if
(state.currentReactComponentMeasure !== null) {\n  const componentMeasure =
state.currentReactComponentMeasure;\n  componentMeasure.duration = startTime -
componentMeasure.timestamp;\n  state.currentReactComponentMeasure = null;\n

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currentProfilerData.componentMeasures.push(componentMeasure);\n  }\n }\n}\n\nfunction
preprocessFlamechart(rawData: TimelineEvent[]): Flamechart {\n  let parsedData;\n  try {\n    parsedData =
importFromChromeTimeline(rawData, 'react-devtools');\n  } catch (error) {\n    // Assume any Speedscope errors are
caused by bad profiles\n    const errorToRethrow = new InvalidProfileError(error.message);\n
errorToRethrow.stack = error.stack;\n    throw errorToRethrow;\n  }\n\n  const profile = parsedData.profiles[0]; //
TODO: Choose the main CPU thread only\n\n  const speedscopeFlamechart = new SpeedscopeFlamechart({\n    //
$FlowFixMe[method-unbinding]\n    getTotalWeight: profile.getTotalWeight.bind(profile),\n    //
$FlowFixMe[method-unbinding]\n    forEachCall: profile.forEachCall.bind(profile),\n    // $FlowFixMe[method-
unbinding]\n    formatValue: profile.formatValue.bind(profile),\n    getColorBucketForFrame: () => 0,\n  });\n\n
const flamechart: Flamechart = speedscopeFlamechart.getLayers().map(layer =>\n  layer.map(\n    ({\n
start,\n    end,\n    node: {\n      frame: {name, file, line, col},\n    },\n  }) => ({\n    name,\n
timestamp: start / 1000,\n    duration: (end - start) / 1000,\n    scriptUrl: file,\n    locationLine: line,\n
locationColumn: col,\n  })),\n  ),\n  );\n\n  return flamechart;\n}\n\nfunction parseStackFrame(stackFrame:
string): ErrorStackFrame | null {\n  const error = new Error();\n  error.stack = stackFrame;\n\n  const frames =
ErrorStackParser.parse(error);\n\n  return frames.length === 1 ? frames[0] : null;\n}\n\n\nexport default async
function preprocessData(\n  timeline: TimelineEvent[],\n): Promise<TimelineData> {\n  const flamechart =
preprocessFlamechart(timeline);\n\n  const laneToReactMeasureMap: Map<ReactLane, Array<ReactMeasure>> =
new Map();\n  for (let lane: ReactLane = 0; lane < REACT_TOTAL_NUM_LANES; lane++) {\n
laneToReactMeasureMap.set(lane, []);\n  }\n\n  const profilerData: TimelineData = {\n
batchUIDToMeasuresMap: new Map(),\n  componentMeasures: [],\n  duration: 0,\n  flamechart,\n
internalModuleSourceToRanges: new Map(),\n  laneToLabelMap: new Map(),\n  laneToReactMeasureMap,\n
nativeEvents: [],\n  networkMeasures: [],\n  otherUserTimingMarks: [],\n  reactVersion: null,\n
schedulingEvents: [],\n  snapshots: [],\n  snapshotHeight: 0,\n  startTime: 0,\n  suspenseEvents: [],\n
thrownErrors: [],\n  };\n\n  // Sort `timeline`. JSON Array Format trace events need not be ordered. See:\n  //
https://docs.google.com/document/d/1CvAClvFfyA5R-PhYUmn500QtYMH4h6I0nSsKchNAySU/preview#heading=h.f2f0yd51w15\n  timeline =
timeline.filter(Boolean).sort((a, b) => (a.ts > b.ts ? 1 : -1));\n\n  // Events displayed in flamechart have timestamps
relative to the profile\n  // event's startTime. Source:
https://github.com/v8/v8/blob/44bd8fd7/src/inspector/js\_protocol.json#L1486\n  // We'll thus expect there to be
a 'Profile' event; if there is not one, we\n  // can deduce that there are no flame chart events. As we expect React\n  //
scheduling profiling user timing marks to be recorded together with browser\n  // flame chart events, we can further
deduce that the data is invalid and we\n  // don't bother finding React events.\n  const indexOfProfileEvent =
timeline.findIndex(\n    event => event.name === 'Profile',\n  );\n  if (indexOfProfileEvent === -1) {\n    return
profilerData;\n  }\n\n  // Use Profile event's `startTime` as the start time to align with flame chart.\n  // TODO:
Remove assumption that there'll only be 1 'Profile' event. If this\n  // assumption does not hold, the chart may start at
the wrong time.\n  profilerData.startTime = timeline[indexOfProfileEvent].args.data.startTime;\n
profilerData.duration =\n    (timeline[timeline.length - 1].ts - profilerData.startTime) / 1000;\n\n  const state:
ProcessorState = {\n    asyncProcessingPromises: [],\n    batchUID: 0,\n    currentReactComponentMeasure: null,\n
internalModuleCurrentStackFrame: null,\n    internalModuleStackStringSet: new Set(),\n    measureStack: [],\n
nativeEventStack: [],\n    nextRenderShouldGenerateNewBatchID: true,\n    potentialLongEvents: [],\n
potentialLongNestedUpdate: null,\n    potentialLongNestedUpdates: [],\n
potentialSuspenseEventsOutsideOfTransition: [],\n    requestIdToNetworkMeasureMap: new Map(),\n    uidCounter:
0,\n    unresolvedSuspenseEvents: new Map(),\n  };\n\n  timeline.forEach(event => processTimelineEvent(event,
profilerData, state));\n\n  if (profilerVersion === null) {\n    if (\n      profilerData.schedulingEvents.length === 0
&&\n      profilerData.batchUIDToMeasuresMap.size === 0\n    ) {\n      // No profiler version could indicate data
was logged using an older build of React,\n      // before an explicitly profiler version was included in the logging
data.\n      // But it could also indicate that the website was either not using React, or using a production build.\n      //
The easiest way to check for this case is to see if the data contains any scheduled updates or render work.\n      throw

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new InvalidProfileError(\n      'No React marks were found in the provided profile.' +\n      ' Please provide\n      profiling data from an React application running in development or profiling mode.',\n      );\n  }\n\n  throw new\n  InvalidProfileError(\n    `This version of profiling data is not supported by the current profiler.`,\n    );\n  }\n\n  //\n  Validate that all events and measures are complete\n  const {measureStack} = state;\n  if (measureStack.length > 0)\n  {\n    console.error('Incomplete events or measures', measureStack);\n  }\n\n  // Check for warnings.\n  state.potentialLongEvents.forEach(([nativeEvent, batchUID]) => {\n    // See how long the subsequent batch of\n    React work was.\n    // Ignore any work that was already started.\n    const [startTime, stopTime] =\n    getBatchRange(\n      batchUID,\n      profilerData,\n      nativeEvent.timestamp,\n      );\n    if (stopTime - startTime >\n    NATIVE_EVENT_DURATION_THRESHOLD) {\n      nativeEvent.warning =\n      WARNING_STRINGS.LONG_EVENT_HANDLER;\n    }\n  });\n\n  state.potentialLongNestedUpdates.forEach(([schedulingEvent, batchUID]) => {\n    // See how long the subsequent\n    batch of React work was.\n    const [startTime, stopTime] = getBatchRange(batchUID, profilerData);\n    if\n    (stopTime - startTime > NESTED_UPDATE_DURATION_THRESHOLD) {\n      // Don't warn about transition\n      updates scheduled during the commit phase.\n      // e.g. useTransition, useDeferredValue\n      // These are allowed\n      to be long-running.\n      if (\n        !schedulingEvent.lanes.some(\n          lane =>\n          profilerData.laneToLabelMap.get(lane) === 'Transition',\n        )\n      ) {\n        // FIXME: This warning doesn't\n        account for \"nested updates\" that are\n        // spawned by useDeferredValue. Disabling temporarily until we\n        figure\n        // out the right way to handle this.\n        // schedulingEvent.warning =\n        WARNING_STRINGS.NESTED_UPDATE;\n      }\n    }\n  });\n\n  state.potentialSuspenseEventsOutsideOfTransition.forEach(\n    ([suspenseEvent, lanes]) => {\n      // HACK This is\n      a bit gross but the numeric lane value might change between render versions.\n      if (\n        !lanes.some(\n          lane => profilerData.laneToLabelMap.get(lane) === 'Transition',\n        )\n      ) {\n        suspenseEvent.warning =\n        WARNING_STRINGS.SUSPEND_DURING_UPDATE;\n      }\n    },\n  );\n\n  // Wait for any async processing to\n  complete before returning.\n  // Since processing is done in a worker, async work must complete before data is\n  serialized and returned.\n  await Promise.all(state.asyncProcessingPromises);\n\n  // Now that all images have been\n  loaded, let's figure out the display size we're going to use for our thumbnails.\n  // both the ones rendered to the\n  canvas and the ones shown on hover.\n  if (profilerData.snapshots.length > 0) {\n    // NOTE We assume a static\n    window size here, which is not necessarily true but should be for most cases.\n    // Regardless, Chrome also sets a\n    single size/ratio and stick with it- so we'll do the same.\n    const snapshot = profilerData.snapshots[0];\n\n    profilerData.snapshotHeight = Math.min(\n      snapshot.height,\n      SNAPSHOT_MAX_HEIGHT,\n    );\n  }\n\n  return profilerData;\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is\n * licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nexport {\n  COMFORTABLE_LINE_HEIGHT,\n  COMPACT_LINE_HEIGHT,\n} from 'react-\n  devtools-shared/src/devtools/constants.js';\n\nexport const REACT_TOTAL_NUM_LANES = 31;\n\n// Increment\n  this number any time a backwards breaking change is made to the profiler metadata.\n\nexport const\n  SCHEDULING_PROFILER_VERSION = 1;\n\nexport const SNAPSHOT_MAX_HEIGHT = 60;\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found\n  in the\n * LICENSE file in the root directory of this source tree.\n *\n */\n\nimport * as importFileModule from\n  './importFile';\n\nexport const importFile = importFileModule.importFile;\n\n", "/*\n * Copyright (c) Meta Platforms,\n  Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the\n  root directory of this source tree.\n *\n * @flow\n */\n\nimport 'regenerator-runtime/runtime';\n\nimport type\n  {TimelineEvent} from '@elg/speedscope';\n\nimport type {ImportWorkerOutputData} from './index';\n\nimport\n  preprocessData from './preprocessData';\n\nimport {readInputData} from './readInputData';\n\nimport\n  InvalidProfileError from './InvalidProfileError';\n\nexport async function importFile(file: File):\n  Promise<ImportWorkerOutputData> {\n  try {\n    const readFile = await readInputData(file);\n    const events:\n    TimelineEvent[] = JSON.parse(readFile);\n    if (events.length === 0) {\n      throw new InvalidProfileError('No\n      profiling data found in file.);\n    }\n\n    const processedData = await preprocessData(events);\n\n    return {\n      status: 'SUCCESS',\n      processedData,\n    };\n  } catch (error) {\n    if (error instanceof InvalidProfileError) {\n
```



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e;if(4&t&&e&&"object\==="==typeof e&&&&e.__esModule)return e;var
n=Object.create(null);if(r.r(n),Object.defineProperty(n,\\\\"default\\\\"",{enumerable:!0,value:e}),2&t&&e&&"string\==="!
=typeof e)for(var i in e)r.d(n,i,function(t){return e[t]}.bind(null,i));return n},r.n=function(e){var
t=e&&e.__esModule?function(){return e.default}:function(){return e};return
r.d(t,\\\\"a\\\\"",t),r.o=function(e,t){return
Object.prototype.hasOwnProperty.call(e,t)},r.p=\\\\"\\\\"",r(r.s=374)}([function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\"",{value:!0});var
n={react:!0,assertNode:!0,createTypeAnnotationBasedOnTypeof:!0,createUnionTypeAnnotation:!0,createFlowUnio
nType:!0,createTSUnionType:!0,cloneNode:!0,clone:!0,cloneDeep:!0,cloneDeepWithoutLoc:!0,cloneWithoutLoc:!
0,addComment:!0,addComments:!0,inheritInnerComments:!0,inheritLeadingComments:!0,inheritsComments:!0,inh
eritTrailingComments:!0,removeComments:!0,ensureBlock:!0,toBindingIdentifierName:!0,toBlock:!0,toComputed
Key:!0,toExpression:!0,toIdentifier:!0,toKeyAlias:!0,toSequenceExpression:!0,toStatement:!0,valueToNode:!0,appe
ndToMemberExpression:!0,inherits:!0,prependToMemberExpression:!0,removeProperties:!0,removePropertiesDeep
:!0,removeTypeDuplicates:!0,getBindingIdentifiers:!0,getOuterBindingIdentifiers:!0,truncate:!0,truncateFast:!0,shall
owEqual:!0,is:!0,isBinding:!0,isBlockScoped:!0,isImmutable:!0,isLet:!0,isNode:!0,isNodesEquivalent:!0,isPlacehol
derType:!0,isReferenced:!0,isScope:!0,isSpecifierDefault:!0,isType:!0,isValidES3Identifier:!0,isValidIdentifier:!0,is
Var:!0,matchesPattern:!0,validate:!0,buildMatchMemberExpression:!0};Object.defineProperty(t,\\\\"assertNode\\\\"",{
enumerable:!0,get:function(){return
o.default}}),Object.defineProperty(t,\\\\"createTypeAnnotationBasedOnTypeof\\\\"",{enumerable:!0,get:function(){ret
urn c.default}}),Object.defineProperty(t,\\\\"createUnionTypeAnnotation\\\\"",{enumerable:!0,get:function(){return
p.default}}),Object.defineProperty(t,\\\\"createFlowUnionType\\\\"",{enumerable:!0,get:function(){return
p.default}}),Object.defineProperty(t,\\\\"createTSUnionType\\\\"",{enumerable:!0,get:function(){return
u.default}}),Object.defineProperty(t,\\\\"cloneNode\\\\"",{enumerable:!0,get:function(){return
h.default}}),Object.defineProperty(t,\\\\"clone\\\\"",{enumerable:!0,get:function(){return
f.default}}),Object.defineProperty(t,\\\\"cloneDeep\\\\"",{enumerable:!0,get:function(){return
m.default}}),Object.defineProperty(t,\\\\"cloneDeepWithoutLoc\\\\"",{enumerable:!0,get:function(){return
y.default}}),Object.defineProperty(t,\\\\"cloneWithoutLoc\\\\"",{enumerable:!0,get:function(){return
T.default}}),Object.defineProperty(t,\\\\"addComment\\\\"",{enumerable:!0,get:function(){return
b.default}}),Object.defineProperty(t,\\\\"addComments\\\\"",{enumerable:!0,get:function(){return
g.default}}),Object.defineProperty(t,\\\\"inheritInnerComments\\\\"",{enumerable:!0,get:function(){return
S.default}}),Object.defineProperty(t,\\\\"inheritLeadingComments\\\\"",{enumerable:!0,get:function(){return
x.default}}),Object.defineProperty(t,\\\\"inheritsComments\\\\"",{enumerable:!0,get:function(){return
E.default}}),Object.defineProperty(t,\\\\"inheritTrailingComments\\\\"",{enumerable:!0,get:function(){return
P.default}}),Object.defineProperty(t,\\\\"removeComments\\\\"",{enumerable:!0,get:function(){return
v.default}}),Object.defineProperty(t,\\\\"ensureBlock\\\\"",{enumerable:!0,get:function(){return
O.default}}),Object.defineProperty(t,\\\\"toBindingIdentifierName\\\\"",{enumerable:!0,get:function(){return
I.default}}),Object.defineProperty(t,\\\\"toBlock\\\\"",{enumerable:!0,get:function(){return
C.default}}),Object.defineProperty(t,\\\\"toComputedKey\\\\"",{enumerable:!0,get:function(){return
N.default}}),Object.defineProperty(t,\\\\"toExpression\\\\"",{enumerable:!0,get:function(){return
k.default}}),Object.defineProperty(t,\\\\"toIdentifier\\\\"",{enumerable:!0,get:function(){return
D.default}}),Object.defineProperty(t,\\\\"toKeyAlias\\\\"",{enumerable:!0,get:function(){return
_.default}}),Object.defineProperty(t,\\\\"toSequenceExpression\\\\"",{enumerable:!0,get:function(){return
L.default}}),Object.defineProperty(t,\\\\"toStatement\\\\"",{enumerable:!0,get:function(){return
M.default}}),Object.defineProperty(t,\\\\"valueToNode\\\\"",{enumerable:!0,get:function(){return
j.default}}),Object.defineProperty(t,\\\\"appendToMemberExpression\\\\"",{enumerable:!0,get:function(){return
R.default}}),Object.defineProperty(t,\\\\"inherits\\\\"",{enumerable:!0,get:function(){return
B.default}}),Object.defineProperty(t,\\\\"prependToMemberExpression\\\\"",{enumerable:!0,get:function(){return
U.default}}),Object.defineProperty(t,\\\\"removeProperties\\\\"",{enumerable:!0,get:function(){return

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V.default } },Object.defineProperty(t,\\\\"removePropertiesDeep\\\\",{ enumerable:!0,get:function(){return
K.default } },Object.defineProperty(t,\\\\"removeTypeDuplicates\\\\",{ enumerable:!0,get:function(){return
q.default } },Object.defineProperty(t,\\\\"getBindingIdentifiers\\\\",{ enumerable:!0,get:function(){return
Y.default } },Object.defineProperty(t,\\\\"getOuterBindingIdentifiers\\\\",{ enumerable:!0,get:function(){return
W.default } },Object.defineProperty(t,\\\\"traverse\\\\",{ enumerable:!0,get:function(){return
X.default } },Object.defineProperty(t,\\\\"traverseFast\\\\",{ enumerable:!0,get:function(){return
J.default } },Object.defineProperty(t,\\\\"shallowEqual\\\\",{ enumerable:!0,get:function(){return
H.default } },Object.defineProperty(t,\\\\"is\\\\",{ enumerable:!0,get:function(){return
G.default } },Object.defineProperty(t,\\\\"isBinding\\\\",{ enumerable:!0,get:function(){return
z.default } },Object.defineProperty(t,\\\\"isBlockScoped\\\\",{ enumerable:!0,get:function(){return
$.default } },Object.defineProperty(t,\\\\"isImmutable\\\\",{ enumerable:!0,get:function(){return
Q.default } },Object.defineProperty(t,\\\\"isLet\\\\",{ enumerable:!0,get:function(){return
Z.default } },Object.defineProperty(t,\\\\"isNode\\\\",{ enumerable:!0,get:function(){return
ee.default } },Object.defineProperty(t,\\\\"isNodesEquivalent\\\\",{ enumerable:!0,get:function(){return
te.default } },Object.defineProperty(t,\\\\"isPlaceholderType\\\\",{ enumerable:!0,get:function(){return
re.default } },Object.defineProperty(t,\\\\"isReferenced\\\\",{ enumerable:!0,get:function(){return
ne.default } },Object.defineProperty(t,\\\\"isScope\\\\",{ enumerable:!0,get:function(){return
ie.default } },Object.defineProperty(t,\\\\"isSpecifierDefault\\\\",{ enumerable:!0,get:function(){return
se.default } },Object.defineProperty(t,\\\\"isType\\\\",{ enumerable:!0,get:function(){return
ae.default } },Object.defineProperty(t,\\\\"isValidES3Identifier\\\\",{ enumerable:!0,get:function(){return
oe.default } },Object.defineProperty(t,\\\\"isValidIdentifier\\\\",{ enumerable:!0,get:function(){return
le.default } },Object.defineProperty(t,\\\\"isVar\\\\",{ enumerable:!0,get:function(){return
ce.default } },Object.defineProperty(t,\\\\"matchesPattern\\\\",{ enumerable:!0,get:function(){return
pe.default } },Object.defineProperty(t,\\\\"validate\\\\",{ enumerable:!0,get:function(){return
ue.default } },Object.defineProperty(t,\\\\"buildMatchMemberExpression\\\\",{ enumerable:!0,get:function(){return
de.default } },t.react=void 0;var
i=fe(r(133)),s=fe(r(134)),a=fe(r(135)),o=fe(r(216)),l=r(217);Object.keys(l).forEach((function(e){\\\\"default\\\\"!===e&&\\\\"__esModule\\\\"!===e&&(Object.prototype.hasOwnProperty.call(n,e))|e in
t&&t[e]===l[e]||Object.defineProperty(t,e,{ enumerable:!0,get:function(){return l[e] } })))));var
c=fe(r(218)),p=fe(r(219)),u=fe(r(220)),d=r(4);Object.keys(d).forEach((function(e){\\\\"default\\\\"!===e&&\\\\"__esModule\\\\"!===e&&(Object.prototype.hasOwnProperty.call(n,e))|e in
t&&t[e]===d[e]||Object.defineProperty(t,e,{ enumerable:!0,get:function(){return d[e] } })))));var
h=fe(r(14)),f=fe(r(222)),m=fe(r(223)),y=fe(r(224)),T=fe(r(225)),b=fe(r(226)),g=fe(r(86)),S=fe(r(87)),x=fe(r(88)),E=
fe(r(89)),P=fe(r(90)),v=fe(r(227)),A=r(228);Object.keys(A).forEach((function(e){\\\\"default\\\\"!===e&&\\\\"__esModule\\\\"!===e&&(Object.prototype.hasOwnProperty.call(n,e))|e in
t&&t[e]===A[e]||Object.defineProperty(t,e,{ enumerable:!0,get:function(){return A[e] } })))));var
w=r(13);Object.keys(w).forEach((function(e){\\\\"default\\\\"!===e&&\\\\"__esModule\\\\"!===e&&(Object.prototype.ha
sOwnProperty.call(n,e))|e in t&&t[e]===w[e]||Object.defineProperty(t,e,{ enumerable:!0,get:function(){return
w[e] } })))));var
O=fe(r(229)),I=fe(r(230)),C=fe(r(91)),N=fe(r(231)),k=fe(r(232)),D=fe(r(92)),_=fe(r(233)),L=fe(r(234)),M=fe(r(236
)),j=fe(r(237)),F=r(5);Object.keys(F).forEach((function(e){\\\\"default\\\\"!===e&&\\\\"__esModule\\\\"!===e&&(Object.
prototype.hasOwnProperty.call(n,e))|e in
t&&t[e]===F[e]||Object.defineProperty(t,e,{ enumerable:!0,get:function(){return F[e] } })))));var
R=fe(r(241)),B=fe(r(242)),U=fe(r(243)),V=fe(r(95)),K=fe(r(93)),q=fe(r(85)),Y=fe(r(35)),W=fe(r(244)),X=fe(r(245
)),J=fe(r(94)),H=fe(r(39)),G=fe(r(34)),z=fe(r(246)),S=fe(r(247)),Q=fe(r(248)),Z=fe(r(96)),ee=fe(r(84)),te=fe(r(249)),
re=fe(r(82)),ne=fe(r(250)),ie=fe(r(251)),se=fe(r(252)),ae=fe(r(51)),oe=fe(r(253)),le=fe(r(23)),ce=fe(r(254)),pe=fe(r(
65)),ue=fe(r(52)),de=fe(r(64)),he=r(2);function fe(e){return
e&&e.__esModule?:{ default:e } }Object.keys(he).forEach((function(e){\\\\"default\\\\"!===e&&\\\\"__esModule\\\\"!===

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e&&(Object.prototype.hasOwnProperty.call(n,e))|e in
t&&t[e]===he[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return he[e]}}));const
me={isReactComponent:i.default,isCompatTag:s.default,buildChildren:a.default};t.react=me},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.isArrayExpression=function(e,t){if(!e)return!1;if(\\"
ArrayExpression\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isAssignmentExpression=function(e,t){if(!e)return!1;if(\\"AssignmentExpressio
n\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBinaryExpression=function(e,t){if(!e)return!1;if(\\"BinaryExpression\\"===e.
type)return void
0===t||(0,n.default)(e,t);return!1},t.isInterpreterDirective=function(e,t){if(!e)return!1;if(\\"InterpreterDirective\\"=
=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDirective=function(e,t){if(!e)return!1;if(\\"Directive\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDirectiveLiteral=function(e,t){if(!e)return!1;if(\\"DirectiveLiteral\\"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isBlockStatement=function(e,t){if(!e)return!1;if(\\"BlockStatement\\"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isBreakStatement=function(e,t){if(!e)return!1;if(\\"BreakStatement\\"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isCallExpression=function(e,t){if(!e)return!1;if(\\"CallExpression\\"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isCatchClause=function(e,t){if(!e)return!1;if(\\"CatchClause\\"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isConditionalExpression=function(e,t){if(!e)return!1;if(\\"ConditionalExpressio
n\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isContinueStatement=function(e,t){if(!e)return!1;if(\\"ContinueStatement\\"==
=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDebuggerStatement=function(e,t){if(!e)return!1;if(\\"DebuggerStatement\\"=
=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDoWhileStatement=function(e,t){if(!e)return!1;if(\\"DoWhileStatement\\"==
=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEmptyStatement=function(e,t){if(!e)return!1;if(\\"EmptyStatement\\"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isExpressionStatement=function(e,t){if(!e)return!1;if(\\"ExpressionStatement\\"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isFile=function(e,t){if(!e)return!1;if(\\"File\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isForInStatement=function(e,t){if(!e)return!1;if(\\"ForInStatement\\"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isForStatement=function(e,t){if(!e)return!1;if(\\"ForStatement\\"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isFunctionDeclaration=function(e,t){if(!e)return!1;if(\\"FunctionDeclaration\\"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isFunctionExpression=function(e,t){if(!e)return!1;if(\\"FunctionExpression\\"=
=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isIdentifier=function(e,t){if(!e)return!1;if(\\"Identifier\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isIfStatement=function(e,t){if(!e)return!1;if(\\"IfStatement\\"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isLabeledStatement=function(e,t){if(!e)return!1;if(\\"LabeledStatement\\"===e.
type)return void

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0===t||(0,n.default)(e,t);return!1},t.isStringLiteral=function(e,t){if(!e)return!1;if(\\\\"StringLiteral\\\\"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isNumericLiteral=function(e,t){if(!e)return!1;if(\\\\"NumericLiteral\\\\"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isNullLiteral=function(e,t){if(!e)return!1;if(\\\\"NullLiteral\\\\"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isBooleanLiteral=function(e,t){if(!e)return!1;if(\\\\"BooleanLiteral\\\\"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isRegExpLiteral=function(e,t){if(!e)return!1;if(\\\\"RegExpLiteral\\\\"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isLogicalExpression=function(e,t){if(!e)return!1;if(\\\\"LogicalExpression\\\\"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isMemberExpression=function(e,t){if(!e)return!1;if(\\\\"MemberExpression\\\\"==
=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNewExpression=function(e,t){if(!e)return!1;if(\\\\"NewExpression\\\\"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isProgram=function(e,t){if(!e)return!1;if(\\\\"Program\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectExpression=function(e,t){if(!e)return!1;if(\\\\"ObjectExpression\\\\"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectMethod=function(e,t){if(!e)return!1;if(\\\\"ObjectMethod\\\\"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isObjectProperty=function(e,t){if(!e)return!1;if(\\\\"ObjectProperty\\\\"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isRestElement=function(e,t){if(!e)return!1;if(\\\\"RestElement\\\\"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isReturnStatement=function(e,t){if(!e)return!1;if(\\\\"ReturnStatement\\\\"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isSequenceExpression=function(e,t){if(!e)return!1;if(\\\\"SequenceExpression\\\\"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isParenthesizedExpression=function(e,t){if(!e)return!1;if(\\\\"ParenthesizedExpre
ssion\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isSwitchCase=function(e,t){if(!e)return!1;if(\\\\"SwitchCase\\\\"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isSwitchStatement=function(e,t){if(!e)return!1;if(\\\\"SwitchStatement\\\\"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isThisExpression=function(e,t){if(!e)return!1;if(\\\\"ThisExpression\\\\"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isThrowStatement=function(e,t){if(!e)return!1;if(\\\\"ThrowStatement\\\\"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isTryStatement=function(e,t){if(!e)return!1;if(\\\\"TryStatement\\\\"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isUnaryExpression=function(e,t){if(!e)return!1;if(\\\\"UnaryExpression\\\\"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isUpdateExpression=function(e,t){if(!e)return!1;if(\\\\"UpdateExpression\\\\"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isVariableDeclaration=function(e,t){if(!e)return!1;if(\\\\"VariableDeclaration\\\\"=
=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isVariableDeclarator=function(e,t){if(!e)return!1;if(\\\\"VariableDeclarator\\\\"=

```



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=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isWhileStatement=function(e,t){if(!e)return!1;if(\\\\"WhileStatement\\\\\\"===e.type)
e)return void
0===t||(0,n.default)(e,t);return!1},t.isWithStatement=function(e,t){if(!e)return!1;if(\\\\"WithStatement\\\\\\"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isAssignmentPattern=function(e,t){if(!e)return!1;if(\\\\"AssignmentPattern\\\\\\"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isArrayPattern=function(e,t){if(!e)return!1;if(\\\\"ArrayPattern\\\\\\"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isArrowFunctionExpression=function(e,t){if(!e)return!1;if(\\\\"ArrowFunctionExp
ression\\\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassBody=function(e,t){if(!e)return!1;if(\\\\"ClassBody\\\\\\"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isClassExpression=function(e,t){if(!e)return!1;if(\\\\"ClassExpression\\\\\\"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isClassDeclaration=function(e,t){if(!e)return!1;if(\\\\"ClassDeclaration\\\\\\"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isExportAllDeclaration=function(e,t){if(!e)return!1;if(\\\\"ExportAllDeclaration\\\\
\\\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExportDefaultDeclaration=function(e,t){if(!e)return!1;if(\\\\"ExportDefaultDecl
aration\\\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExportNamedDeclaration=function(e,t){if(!e)return!1;if(\\\\"ExportNamedDecl
aration\\\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExportSpecifier=function(e,t){if(!e)return!1;if(\\\\"ExportSpecifier\\\\\\"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isForOfStatement=function(e,t){if(!e)return!1;if(\\\\"ForOfStatement\\\\\\"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isImportDeclaration=function(e,t){if(!e)return!1;if(\\\\"ImportDeclaration\\\\\\"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isImportDefaultSpecifier=function(e,t){if(!e)return!1;if(\\\\"ImportDefaultSpecifi
er\\\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isImportNamespaceSpecifier=function(e,t){if(!e)return!1;if(\\\\"ImportNamespac
eSpecifier\\\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isImportSpecifier=function(e,t){if(!e)return!1;if(\\\\"ImportSpecifier\\\\\\"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isMetaProperty=function(e,t){if(!e)return!1;if(\\\\"MetaProperty\\\\\\"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isClassMethod=function(e,t){if(!e)return!1;if(\\\\"ClassMethod\\\\\\"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isObjectPattern=function(e,t){if(!e)return!1;if(\\\\"ObjectPattern\\\\\\"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isSpreadElement=function(e,t){if(!e)return!1;if(\\\\"SpreadElement\\\\\\"===e.type)
return void 0===t||(0,n.default)(e,t);return!1},t.isSuper=function(e,t){if(!e)return!1;if(\\\\"Super\\\\\\"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTaggedTemplateExpression=function(e,t){if(!e)return!1;if(\\\\"TaggedTemplate
Expression\\\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTemplateElement=function(e,t){if(!e)return!1;if(\\\\"TemplateElement\\\\\\"===e.t
ype)return void

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0===t||(0,n.default)(e,t);return!1},t.isTemplateLiteral=function(e,t){if(!e)return!1;if(\\\\"TemplateLiteral\\\\"===e.type
e)return void
0===t||(0,n.default)(e,t);return!1},t.isYieldExpression=function(e,t){if(!e)return!1;if(\\\\"YieldExpression\\\\"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isAwaitExpression=function(e,t){if(!e)return!1;if(\\\\"AwaitExpression\\\\"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isImport=function(e,t){if(!e)return!1;if(\\\\"Import\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBigIntLiteral=function(e,t){if(!e)return!1;if(\\\\"BigIntLiteral\\\\"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isExportNamespaceSpecifier=function(e,t){if(!e)return!1;if(\\\\"ExportNamespac
eSpecifier\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isOptionalMemberExpression=function(e,t){if(!e)return!1;if(\\\\"OptionalMembe
rExpression\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isOptionalCallExpression=function(e,t){if(!e)return!1;if(\\\\"OptionalCallExpres
sion\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isAnyTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"AnyTypeAnnotation\\\\"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isArrayTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"ArrayTypeAnnotation\\
\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBooleanTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"BooleanTypeAnnot
ation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBooleanLiteralTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"BooleanLiter
alTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNullLiteralTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"NullLiteralType
Annotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassImplements=function(e,t){if(!e)return!1;if(\\\\"ClassImplements\\\\"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareClass=function(e,t){if(!e)return!1;if(\\\\"DeclareClass\\\\"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isDeclareFunction=function(e,t){if(!e)return!1;if(\\\\"DeclareFunction\\\\"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareInterface=function(e,t){if(!e)return!1;if(\\\\"DeclareInterface\\\\"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareModule=function(e,t){if(!e)return!1;if(\\\\"DeclareModule\\\\"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareModuleExports=function(e,t){if(!e)return!1;if(\\\\"DeclareModuleExpors
ts\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareTypeAlias=function(e,t){if(!e)return!1;if(\\\\"DeclareTypeAlias\\\\"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareOpaqueType=function(e,t){if(!e)return!1;if(\\\\"DeclareOpaqueType\\\\"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareVariable=function(e,t){if(!e)return!1;if(\\\\"DeclareVariable\\\\"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareExportDeclaration=function(e,t){if(!e)return!1;if(\\\\"DeclareExportDec
laration\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareExportAllDeclaration=function(e,t){if(!e)return!1;if(\\\\"DeclareExport
AllDeclaration\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclaredPredicate=function(e,t){if(!e)return!1;if(\\\\"DeclaredPredicate\\\\"===e

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.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExistsTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"ExistsTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isFunctionTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"FunctionTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isFunctionTypeParam=function(e,t){if(!e)return!1;if(\\\\"FunctionTypeParam\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isGenericTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"GenericTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isInferredPredicate=function(e,t){if(!e)return!1;if(\\\\"InferredPredicate\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isInterfaceExtends=function(e,t){if(!e)return!1;if(\\\\"InterfaceExtends\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isInterfaceDeclaration=function(e,t){if(!e)return!1;if(\\\\"InterfaceDeclaration\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isInterfaceTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"InterfaceTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isIntersectionTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"IntersectionTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isMixedTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"MixedTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEmptyTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"EmptyTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNullableTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"NullableTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNumberLiteralTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"NumberLiteralTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNumberTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"NumberTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"ObjectTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeInternalSlot=function(e,t){if(!e)return!1;if(\\\\"ObjectTypeInternalSlot\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeCallProperty=function(e,t){if(!e)return!1;if(\\\\"ObjectTypeCallProperty\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeIndexer=function(e,t){if(!e)return!1;if(\\\\"ObjectTypeIndexer\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeProperty=function(e,t){if(!e)return!1;if(\\\\"ObjectTypeProperty\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeSpreadProperty=function(e,t){if(!e)return!1;if(\\\\"ObjectTypeSpreadProperty\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isOpaqueType=function(e,t){if(!e)return!1;if(\\\\"OpaqueType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isQualifiedTypeIdentifier=function(e,t){if(!e)return!1;if(\\\\"QualifiedTypeIdentifier\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isStringLiteralTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"StringLiteralTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isStringTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"StringTypeAnnotation

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\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isSymbolTypeAnnotation=function(e,t){if(!e)return!1;if(\\|"SymbolTypeAnnotation\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isThisTypeAnnotation=function(e,t){if(!e)return!1;if(\\|"ThisTypeAnnotation\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTupleTypeAnnotation=function(e,t){if(!e)return!1;if(\\|"TupleTypeAnnotation\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTypeofTypeAnnotation=function(e,t){if(!e)return!1;if(\\|"TypeofTypeAnnotation\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTypeAlias=function(e,t){if(!e)return!1;if(\\|"TypeAlias\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTypeAnnotation=function(e,t){if(!e)return!1;if(\\|"TypeAnnotation\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTypeCastExpression=function(e,t){if(!e)return!1;if(\\|"TypeCastExpression\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTypeParameter=function(e,t){if(!e)return!1;if(\\|"TypeParameter\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTypeParameterDeclaration=function(e,t){if(!e)return!1;if(\\|"TypeParameterDeclaration\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTypeParameterInstantiation=function(e,t){if(!e)return!1;if(\\|"TypeParameterInstantiation\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isUnionTypeAnnotation=function(e,t){if(!e)return!1;if(\\|"UnionTypeAnnotation\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isVariance=function(e,t){if(!e)return!1;if(\\|"Variance\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isVoidTypeAnnotation=function(e,t){if(!e)return!1;if(\\|"VoidTypeAnnotation\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isEnumDeclaration=function(e,t){if(!e)return!1;if(\\|"EnumDeclaration\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isEnumBooleanBody=function(e,t){if(!e)return!1;if(\\|"EnumBooleanBody\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isEnumNumberBody=function(e,t){if(!e)return!1;if(\\|"EnumNumberBody\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isEnumStringBody=function(e,t){if(!e)return!1;if(\\|"EnumStringBody\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isEnumSymbolBody=function(e,t){if(!e)return!1;if(\\|"EnumSymbolBody\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isEnumBooleanMember=function(e,t){if(!e)return!1;if(\\|"EnumBooleanMember\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isEnumNumberMember=function(e,t){if(!e)return!1;if(\\|"EnumNumberMember\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isEnumStringMember=function(e,t){if(!e)return!1;if(\\|"EnumStringMember\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isEnumDefaultedMember=function(e,t){if(!e)return!1;if(\\|"EnumDefaultedMember\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isIndexedAccessType=function(e,t){if(!e)return!1;if(\\|"IndexedAccessType\\|"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isOptionalIndexedAccessType=function(e,t){if(!e)return!1;if(\\|"OptionalIndexedAccessType\\|"===e.type)return void

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0===t||(0,n.default)(e,t);return!1},t.isJSXAttribute=function(e,t){if(!e)return!1;if(\\\\"JSXAttribute\\\\"===e.type)return
n void
0===t||(0,n.default)(e,t);return!1},t.isJSXClosingElement=function(e,t){if(!e)return!1;if(\\\\"JSXClosingElement\\\\"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXElement=function(e,t){if(!e)return!1;if(\\\\"JSXElement\\\\"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isJSXEmptyExpression=function(e,t){if(!e)return!1;if(\\\\"JSXEmptyExpression\\
\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXExpressionContainer=function(e,t){if(!e)return!1;if(\\\\"JSXExpressionCont
ainer\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXSpreadChild=function(e,t){if(!e)return!1;if(\\\\"JSXSpreadChild\\\\"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXIdentifier=function(e,t){if(!e)return!1;if(\\\\"JSXIdentifier\\\\"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isJSXMemberExpression=function(e,t){if(!e)return!1;if(\\\\"JSXMemberExpressi
on\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXNamespacedName=function(e,t){if(!e)return!1;if(\\\\"JSXNamespacedNam
e\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXOpeningElement=function(e,t){if(!e)return!1;if(\\\\"JSXOpeningElement\\\\"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXSpreadAttribute=function(e,t){if(!e)return!1;if(\\\\"JSXSpreadAttribute\\\\"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXText=function(e,t){if(!e)return!1;if(\\\\"JSXText\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXFragment=function(e,t){if(!e)return!1;if(\\\\"JSXFragment\\\\"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isJSXOpeningFragment=function(e,t){if(!e)return!1;if(\\\\"JSXOpeningFragment\\
\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXClosingFragment=function(e,t){if(!e)return!1;if(\\\\"JSXClosingFragment\\
\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNoop=function(e,t){if(!e)return!1;if(\\\\"Noop\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isPlaceholder=function(e,t){if(!e)return!1;if(\\\\"Placeholder\\\\"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isV8IntrinsicIdentifier=function(e,t){if(!e)return!1;if(\\\\"V8IntrinsicIdentifier\\\\"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isArgumentPlaceholder=function(e,t){if(!e)return!1;if(\\\\"ArgumentPlaceholder\\
\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBindExpression=function(e,t){if(!e)return!1;if(\\\\"BindExpression\\\\"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isClassProperty=function(e,t){if(!e)return!1;if(\\\\"ClassProperty\\\\"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isPipelineTopicExpression=function(e,t){if(!e)return!1;if(\\\\"PipelineTopicExpre
ssion\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isPipelineBareFunction=function(e,t){if(!e)return!1;if(\\\\"PipelineBareFunction\\
\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isPipelinePrimaryTopicReference=function(e,t){if(!e)return!1;if(\\\\"PipelinePrim
aryTopicReference\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassPrivateProperty=function(e,t){if(!e)return!1;if(\\\\"ClassPrivateProperty\\\\"
===e.type)return void

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0===t|(0,n.default)(e,t);return!1},t.isClassPrivateMethod=function(e,t){if(!e)return!1;if(\\\\"ClassPrivateMethod\\\\"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isImportAttribute=function(e,t){if(!e)return!1;if(\\\\"ImportAttribute\\\\"===e.type
)return void
0===t|(0,n.default)(e,t);return!1},t.isDecorator=function(e,t){if(!e)return!1;if(\\\\"Decorator\\\\"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isDoExpression=function(e,t){if(!e)return!1;if(\\\\"DoExpression\\\\"===e.type)ret
urn void
0===t|(0,n.default)(e,t);return!1},t.isExportDefaultSpecifier=function(e,t){if(!e)return!1;if(\\\\"ExportDefaultSpecifi
er\\\\"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isPrivateName=function(e,t){if(!e)return!1;if(\\\\"PrivateName\\\\"===e.type)retur
n void
0===t|(0,n.default)(e,t);return!1},t.isRecordExpression=function(e,t){if(!e)return!1;if(\\\\"RecordExpression\\\\"===e
.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTupleExpression=function(e,t){if(!e)return!1;if(\\\\"TupleExpression\\\\"===e.ty
pe)return void
0===t|(0,n.default)(e,t);return!1},t.isDecimalLiteral=function(e,t){if(!e)return!1;if(\\\\"DecimalLiteral\\\\"===e.type)r
eturn void
0===t|(0,n.default)(e,t);return!1},t.isStaticBlock=function(e,t){if(!e)return!1;if(\\\\"StaticBlock\\\\"===e.type)return
void
0===t|(0,n.default)(e,t);return!1},t.isModuleExpression=function(e,t){if(!e)return!1;if(\\\\"ModuleExpression\\\\"===
e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSParameterProperty=function(e,t){if(!e)return!1;if(\\\\"TSParameterProperty\\\\"
===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSDeclareFunction=function(e,t){if(!e)return!1;if(\\\\"TSDeclareFunction\\\\"=
=e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSDeclareMethod=function(e,t){if(!e)return!1;if(\\\\"TSDeclareMethod\\\\"===e
.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSQualifiedName=function(e,t){if(!e)return!1;if(\\\\"TSQualifiedName\\\\"===e
.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSCallSignatureDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSCallSignature
Declaration\\\\"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSConstructSignatureDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSConstru
ctSignatureDeclaration\\\\"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSPropertySignature=function(e,t){if(!e)return!1;if(\\\\"TSPropertySignature\\\\"
===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSMethodSignature=function(e,t){if(!e)return!1;if(\\\\"TSMethodSignature\\\\"=
===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSIndexSignature=function(e,t){if(!e)return!1;if(\\\\"TSIndexSignature\\\\"===e
.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSAnyKeyword=function(e,t){if(!e)return!1;if(\\\\"TSAnyKeyword\\\\"===e.typ
e)return void
0===t|(0,n.default)(e,t);return!1},t.isTSBooleanKeyword=function(e,t){if(!e)return!1;if(\\\\"TSBooleanKeyword\\\\"
===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSBigIntKeyword=function(e,t){if(!e)return!1;if(\\\\"TSBigIntKeyword\\\\"===
e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSIntrinsicKeyword=function(e,t){if(!e)return!1;if(\\\\"TSIntrinsicKeyword\\\\"
===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isTSNeverKeyword=function(e,t){if(!e)return!1;if(\\\\"TSNeverKeyword\\\\"===e

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.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNullKeyword=function(e,t){if(!e)return!1;if(\\\\"TSNullKeyword\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNumberKeyword=function(e,t){if(!e)return!1;if(\\\\"TSNumberKeyword\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSObjectKeyword=function(e,t){if(!e)return!1;if(\\\\"TSObjectKeyword\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSStringKeyword=function(e,t){if(!e)return!1;if(\\\\"TSStringKeyword\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSSymbolKeyword=function(e,t){if(!e)return!1;if(\\\\"TSSymbolKeyword\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSUndefinedKeyword=function(e,t){if(!e)return!1;if(\\\\"TSUndefinedKeyword\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSUnknownKeyword=function(e,t){if(!e)return!1;if(\\\\"TSUnknownKeyword\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSVoidKeyword=function(e,t){if(!e)return!1;if(\\\\"TSVoidKeyword\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSThisType=function(e,t){if(!e)return!1;if(\\\\"TSThisType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSFunctionType=function(e,t){if(!e)return!1;if(\\\\"TSFunctionType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSConstructorType=function(e,t){if(!e)return!1;if(\\\\"TSConstructorType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeReference=function(e,t){if(!e)return!1;if(\\\\"TSTypeReference\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypePredicate=function(e,t){if(!e)return!1;if(\\\\"TSTypePredicate\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeQuery=function(e,t){if(!e)return!1;if(\\\\"TSTypeQuery\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeLiteral=function(e,t){if(!e)return!1;if(\\\\"TSTypeLiteral\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSArrayType=function(e,t){if(!e)return!1;if(\\\\"TSArrayType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTupleType=function(e,t){if(!e)return!1;if(\\\\"TSTupleType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSOptionalType=function(e,t){if(!e)return!1;if(\\\\"TSOptionalType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSRestType=function(e,t){if(!e)return!1;if(\\\\"TSRestType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNamedTupleMember=function(e,t){if(!e)return!1;if(\\\\"TSNamedTupleMember\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSUnionType=function(e,t){if(!e)return!1;if(\\\\"TSUnionType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSIntersectionType=function(e,t){if(!e)return!1;if(\\\\"TSIntersectionType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSConditionalType=function(e,t){if(!e)return!1;if(\\\\"TSConditionalType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSInferType=function(e,t){if(!e)return!1;if(\\\\"TSInferType\\\\"===e.type)return

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n void
0===t||(0,n.default)(e,t);return!1},t.isTSParenthesizedType=function(e,t){if(!e)return!1;if(\\\\"TSParenthesizedType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeOperator=function(e,t){if(!e)return!1;if(\\\\"TSTypeOperator\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSIndexedAccessType=function(e,t){if(!e)return!1;if(\\\\"TSIndexedAccessType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSMappedType=function(e,t){if(!e)return!1;if(\\\\"TSMappedType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSLiteralType=function(e,t){if(!e)return!1;if(\\\\"TSLiteralType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSExpressionWithTypeArguments=function(e,t){if(!e)return!1;if(\\\\"TSExpressionWithTypeArguments\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSInterfaceDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSInterfaceDeclaration\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSInterfaceBody=function(e,t){if(!e)return!1;if(\\\\"TSInterfaceBody\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeAliasDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSTypeAliasDeclaration\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSAsExpression=function(e,t){if(!e)return!1;if(\\\\"TSAsExpression\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeAssertion=function(e,t){if(!e)return!1;if(\\\\"TSTypeAssertion\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSEnumDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSEnumDeclaration\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSEnumMember=function(e,t){if(!e)return!1;if(\\\\"TSEnumMember\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSModuleDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSModuleDeclaration\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSModuleBlock=function(e,t){if(!e)return!1;if(\\\\"TSModuleBlock\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSImportType=function(e,t){if(!e)return!1;if(\\\\"TSImportType\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSImportEqualsDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSImportEqualsDeclaration\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSExternalModuleReference=function(e,t){if(!e)return!1;if(\\\\"TSExternalModuleReference\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNonNullExpression=function(e,t){if(!e)return!1;if(\\\\"TSNonNullExpression\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSExportAssignment=function(e,t){if(!e)return!1;if(\\\\"TSExportAssignment\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNamespaceExportDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSNamespaceExportDeclaration\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"TSTypeAnnotation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeParameterInstantiation=function(e,t){if(!e)return!1;if(\\\\"TSTypeParameterInstantiation\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeParameterDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSTypeParameter

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terDeclaration\\\\"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeParameter=function(e,t){if(!e)return!1;if(\\\\"TSTypeParameter\\\\"===e.type)return void 0===t||(0,n.default)(e,t);return!1},t.isExpression=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"ArrayExpression\\\\"===r||\\\\"AssignmentExpression\\\\"===r||\\\\"BinaryExpression\\\\"===r||\\\\"CallExpression\\\\"===r||\\\\"ConditionalExpression\\\\"===r||\\\\"FunctionExpression\\\\"===r||\\\\"Identifier\\\\"===r||\\\\"StringLiteral\\\\"===r||\\\\"NumericLiteral\\\\"===r||\\\\"NullLiteral\\\\"===r||\\\\"BooleanLiteral\\\\"===r||\\\\"RegExpLiteral\\\\"===r||\\\\"LogicalExpression\\\\"===r||\\\\"MemberExpression\\\\"===r||\\\\"NewExpression\\\\"===r||\\\\"ObjectExpression\\\\"===r||\\\\"SequenceExpression\\\\"===r||\\\\"ParenthesizedExpression\\\\"===r||\\\\"ThisExpression\\\\"===r||\\\\"UnaryExpression\\\\"===r||\\\\"UpdateExpression\\\\"===r||\\\\"ArrowFunctionExpression\\\\"===r||\\\\"ClassExpression\\\\"===r||\\\\"MetaProperty\\\\"===r||\\\\"Super\\\\"===r||\\\\"TaggedTemplateExpression\\\\"===r||\\\\"TemplateLiteral\\\\"===r||\\\\"YieldExpression\\\\"===r||\\\\"AwaitExpression\\\\"===r||\\\\"Import\\\\"===r||\\\\"BigIntLiteral\\\\"===r||\\\\"OptionalMemberExpression\\\\"===r||\\\\"OptionalCallExpression\\\\"===r||\\\\"TypeCastExpression\\\\"===r||\\\\"JSXElement\\\\"===r||\\\\"JSXFragment\\\\"===r||\\\\"BindExpression\\\\"===r||\\\\"PipelinePrimaryTopicReference\\\\"===r||\\\\"DoExpression\\\\"===r||\\\\"RecordExpression\\\\"===r||\\\\"TupleExpression\\\\"===r||\\\\"DecimalLiteral\\\\"===r||\\\\"ModuleExpression\\\\"===r||\\\\"TSAsExpression\\\\"===r||\\\\"TSTypeAssertion\\\\"===r||\\\\"TSNonNullExpression\\\\"===r||\\\\"Placeholder\\\\"===r&&(\\\\"Expression\\\\"===e.expectedNode||\\\\"Identifier\\\\"===e.expectedNode||\\\\"StringLiteral\\\\"===e.expectedNode))return void 0===t||(0,n.default)(e,t);return!1},t.isBinary=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"BinaryExpression\\\\"===r||\\\\"LogicalExpression\\\\"===r)return void 0===t||(0,n.default)(e,t);return!1},t.isScopable=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"BlockStatement\\\\"===r||\\\\"CatchClause\\\\"===r||\\\\"DoWhileStatement\\\\"===r||\\\\"ForInStatement\\\\"===r||\\\\"ForStatement\\\\"===r||\\\\"FunctionDeclaration\\\\"===r||\\\\"FunctionExpression\\\\"===r||\\\\"Program\\\\"===r||\\\\"ObjectMethod\\\\"===r||\\\\"SwitchStatement\\\\"===r||\\\\"WhileStatement\\\\"===r||\\\\"ArrowFunctionExpression\\\\"===r||\\\\"ClassExpression\\\\"===r||\\\\"ClassDeclaration\\\\"===r||\\\\"ForOfStatement\\\\"===r||\\\\"ClassMethod\\\\"===r||\\\\"ClassPrivateMethod\\\\"===r||\\\\"StaticBlock\\\\"===r||\\\\"TSModuleBlock\\\\"===r||\\\\"Placeholder\\\\"===r&&\\\\"BlockStatement\\\\"===e.expectedNode)return void 0===t||(0,n.default)(e,t);return!1},t.isBlockParent=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"BlockStatement\\\\"===r||\\\\"CatchClause\\\\"===r||\\\\"DoWhileStatement\\\\"===r||\\\\"ForInStatement\\\\"===r||\\\\"ForStatement\\\\"===r||\\\\"FunctionDeclaration\\\\"===r||\\\\"FunctionExpression\\\\"===r||\\\\"Program\\\\"===r||\\\\"ObjectMethod\\\\"===r||\\\\"SwitchStatement\\\\"===r||\\\\"WhileStatement\\\\"===r||\\\\"ArrowFunctionExpression\\\\"===r||\\\\"ForOfStatement\\\\"===r||\\\\"ClassMethod\\\\"===r||\\\\"ClassPrivateMethod\\\\"===r||\\\\"StaticBlock\\\\"===r||\\\\"TSModuleBlock\\\\"===r||\\\\"Placeholder\\\\"===r&&\\\\"BlockStatement\\\\"===e.expectedNode)return void 0===t||(0,n.default)(e,t);return!1},t.isBlock=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"BlockStatement\\\\"===r||\\\\"Program\\\\"===r||\\\\"TSModuleBlock\\\\"===r||\\\\"Placeholder\\\\"===r&&\\\\"BlockStatement\\\\"===e.expectedNode)return void 0===t||(0,n.default)(e,t);return!1},t.isStatement=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"BlockStatement\\\\"===r||\\\\"BreakStatement\\\\"===r||\\\\"ContinueStatement\\\\"===r||\\\\"DebuggerStatement\\\\"===r||\\\\"DoWhileStatement\\\\"===r||\\\\"EmptyStatement\\\\"===r||\\\\"ExpressionStatement\\\\"===r||\\\\"ForInStatement\\\\"===r||\\\\"ForStatement\\\\"===r||\\\\"FunctionDeclaration\\\\"===r||\\\\"IfStatement\\\\"===r||\\\\"LabeledStatement\\\\"===r||\\\\"ReturnStatement\\\\"===r||\\\\"SwitchStatement\\\\"===r||\\\\"ThrowStatement\\\\"===r||\\\\"TryStatement\\\\"===r||\\\\"VariableDeclaration\\\\"===r||\\\\"WhileStatement\\\\"===r||\\\\"WithStatement\\\\"===r||\\\\"ClassDeclaration\\\\"===r||\\\\"ExportAllDeclaration\\\\"===r||\\\\"ExportDefaultDeclaration\\\\"===r||\\\\"ExportNamedDeclaration\\\\"===r||\\\\"ForOfStatement\\\\"===r||\\\\"ImportDeclaration\\\\"===r||\\\\"DeclareClass\\\\"===r||\\\\"DeclareFunction\\\\"===r||\\\\"DeclareInterface\\\\"===r||\\\\"DeclareModule\\\\"===r||\\\\"DeclareModuleExports\\\\"===r||\\\\"DeclareTypeAlias\\\\"===r||\\\\"DeclareOpaqueType\\\\"===r||\\\\"DeclareVariable\\\\"===r||\\\\"DeclareExportDeclaration\\\\"===r||\\\\"DeclareExportAllDeclaration\\\\"===r||\\\\"InterfaceDeclaration\\\\"===r||\\\\"OpaqueType\\\\"===r||\\\\"TypeAlias\\\\"===r||\\\\"EnumDeclaration\\\\"===r||\\\\"TSDeclareFunction\\\\"===r||\\\\"TSInterfaceDeclaration\\\\"===r||\\\\"TSTypeAliasDeclaration\\\\"===r||\\\\"TSEnumDeclaration\\\\"===r||\\\\"TSModuleDeclaration\\\\"===r||\\\\"TSImportEqualsDeclaration\\\\"===r||\\\\"TSExportAssignment\\\\"===r||\\\\"TSNamespaceExportDeclaration\\\\"===r||\\\\"Placeholder\\\\"===r&&

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(\\\\"Statement\\\\\\"===e.expectedNode||||\\"Declaration\\\\\\"===e.expectedNode||||\\"BlockStatement\\\\\\"===e.expectedNode))return void 0===t|(0,n.default)(e,t);return!1},t.isTerminatorless=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"BreakStatement\\\\\\"===r||||\\"ContinueStatement\\\\\\"===r||||\\"ReturnStatement\\\\\\"===r||||\\"ThrowStatement\\\\\\"===r||||\\"YieldExpression\\\\\\"===r||||\\"AwaitExpression\\\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isCompletionStatement=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"BreakStatement\\\\\\"===r||||\\"ContinueStatement\\\\\\"===r||||\\"ReturnStatement\\\\\\"===r||||\\"ThrowStatement\\\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isConditional=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"ConditionalExpression\\\\\\"===r||||\\"IfStatement\\\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isLoop=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"DoWhileStatement\\\\\\"===r||||\\"ForInStatement\\\\\\"===r||||\\"ForStatement\\\\\\"===r||||\\"WhileStatement\\\\\\"===r||||\\"ForOfStatement\\\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isWhile=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"DoWhileStatement\\\\\\"===r||||\\"WhileStatement\\\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isExpressionWrapper=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"ExpressionStatement\\\\\\"===r||||\\"ParenthesizedExpression\\\\\\"===r||||\\"TypeCastExpression\\\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isFor=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"ForInStatement\\\\\\"===r||||\\"ForStatement\\\\\\"===r||||\\"ForOfStatement\\\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isForXStatement=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"ForInStatement\\\\\\"===r||||\\"ForOfStatement\\\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isFunction=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"FunctionDeclaration\\\\\\"===r||||\\"FunctionExpression\\\\\\"===r||||\\"ObjectMethod\\\\\\"===r||||\\"ArrowFunctionExpression\\\\\\"===r||||\\"ClassMethod\\\\\\"===r||||\\"ClassPrivateMethod\\\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isFunctionParent=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"FunctionDeclaration\\\\\\"===r||||\\"FunctionExpression\\\\\\"===r||||\\"ObjectMethod\\\\\\"===r||||\\"ArrowFunctionExpression\\\\\\"===r||||\\"ClassMethod\\\\\\"===r||||\\"ClassPrivateMethod\\\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isPureish=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"FunctionDeclaration\\\\\\"===r||||\\"FunctionExpression\\\\\\"===r||||\\"StringLiteral\\\\\\"===r||||\\"NumericLiteral\\\\\\"===r||||\\"NullLiteral\\\\\\"===r||||\\"BooleanLiteral\\\\\\"===r||||\\"RegExpLiteral\\\\\\"===r||||\\"ArrowFunctionExpression\\\\\\"===r||||\\"BigIntLiteral\\\\\\"===r||||\\"DecimalLiteral\\\\\\"===r||||\\"Placeholder\\\\\\"===r&&\\\\"StringLiteral\\\\\\"===e.expectedNode)return void 0===t|(0,n.default)(e,t);return!1},t.isDeclaration=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"FunctionDeclaration\\\\\\"===r||||\\"VariableDeclaration\\\\\\"===r||||\\"ClassDeclaration\\\\\\"===r||||\\"ExportAllDeclaration\\\\\\"===r||||\\"ExportDefaultDeclaration\\\\\\"===r||||\\"ExportNamedDeclaration\\\\\\"===r||||\\"ImportDeclaration\\\\\\"===r||||\\"DeclareClass\\\\\\"===r||||\\"DeclareFunction\\\\\\"===r||||\\"DeclareInterface\\\\\\"===r||||\\"DeclareModule\\\\\\"===r||||\\"DeclareModuleExports\\\\\\"===r||||\\"DeclareTypeAlias\\\\\\"===r||||\\"DeclareOpaqueType\\\\\\"===r||||\\"DeclareVariable\\\\\\"===r||||\\"DeclareExportDeclaration\\\\\\"===r||||\\"DeclareExportAllDeclaration\\\\\\"===r||||\\"InterfaceDeclaration\\\\\\"===r||||\\"OpaqueType\\\\\\"===r||||\\"TypeAlias\\\\\\"===r||||\\"EnumDeclaration\\\\\\"===r||||\\"TSDeclareFunction\\\\\\"===r||||\\"TSInterfaceDeclaration\\\\\\"===r||||\\"TSTypeAliasDeclaration\\\\\\"===r||||\\"TSEnumDeclaration\\\\\\"===r\\\\\\"TSMODULEDECLARATION\\\\\\"===r||||\\"Placeholder\\\\\\"===r&&\\\\"Declaration\\\\\\"===e.expectedNode)return void 0===t|(0,n.default)(e,t);return!1},t.isPatternLike=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"Identifier\\\\\\"===r||||\\"RestElement\\\\\\"===r||||\\"AssignmentPattern\\\\\\"===r||||\\"ArrayPattern\\\\\\"===r\\\\\\"ObjectPattern\\\\\\"===r\\\\\\"Placeholder\\\\\\"===r&&(\\\\"Pattern\\\\\\"===e.expectedNode||||\\"Identifier\\\\\\"===e.expectedNode))return void 0===t|(0,n.default)(e,t);return!1},t.isLVal=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"Identifier\\\\\\"===r||||\\"MemberExpression\\\\\\"===r||||\\"RestElement\\\\\\"===r\\\\\\"AssignmentPattern\\\\\\"===r\\\\\\"ArrayPattern\\\\\\"===r\\\\\\"ObjectPattern\\\\\\"===r\\\\\\"TSParameterProperty\\\\\\"===r\\\\\\"Placeholder\\\\\\"===r&&(\\\\"Pattern\\\\\\"===e.expectedNode||||\\"Identifier\\\\\\"===e.expectedNode))return void 0===t|(0,n.default)(e,t);return!1},t.isTSEntityName=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"Identifier\\\\\\"===r||||\\"TSQualifiedName\\\\\\"===r\\\\\\"Placeholder\\\\\\"===r&&\\\\"Identifier\\\\\\"===e.expectedNode)return void 0===t|(0,n.default)(e,t);return!1},t.isLiteral=function(e,t){if(!e)return!1;const

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r=e.type;if(\\\\"StringLiteral\\\\"===r|\\\\"NumericLiteral\\\\"===r|\\\\"NullLiteral\\\\"===r|\\\\"BooleanLiteral\\\\"===r|\\\\"RegExpLiteral\\\\"===r|\\\\"TemplateLiteral\\\\"===r|\\\\"BigIntLiteral\\\\"===r|\\\\"DecimalLiteral\\\\"===r|\\\\"Placeholder\\\\"===r&&\\\\"StringLiteral\\\\"===e.expectedNode)return void
0===t|(0,n.default)(e,t);return!1},t.isImmutable=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"StringLiteral\\\\"===r|\\\\"NumericLiteral\\\\"===r|\\\\"NullLiteral\\\\"===r|\\\\"BooleanLiteral\\\\"===r|\\\\"BigIntLiteral\\\\"===r|\\\\"JSXAttribute\\\\"===r|\\\\"JSXClosingElement\\\\"===r|\\\\"JSXElement\\\\"===r|\\\\"JSXExpressionContainer\\\\"===r|\\\\"JSXSpreadChild\\\\"===r|\\\\"JSXOpeningElement\\\\"===r|\\\\"JSXText\\\\"===r|\\\\"JSXFragment\\\\"===r|\\\\"JSXOpeningFragment\\\\"===r|\\\\"JSXClosingFragment\\\\"===r|\\\\"DecimalLiteral\\\\"===r|\\\\"Placeholder\\\\"===r&&\\\\"StringLiteral\\\\"===e.expectedNode)return void
0===t|(0,n.default)(e,t);return!1},t.isUserWhitespacable=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"ObjectMethod\\\\"===r|\\\\"ObjectProperty\\\\"===r|\\\\"ObjectTypeInternalSlot\\\\"===r|\\\\"ObjectTypeCallProperty\\\\"===r|\\\\"ObjectTypeIndexer\\\\"===r|\\\\"ObjectTypeProperty\\\\"===r|\\\\"ObjectTypeSpreadProperty\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isMethod=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"ObjectMethod\\\\"===r|\\\\"ClassMethod\\\\"===r|\\\\"ClassPrivateMethod\\\\"===r)return void
0===t|(0,n.default)(e,t);return!1},t.isObjectMember=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"ObjectMethod\\\\"===r|\\\\"ObjectProperty\\\\"===r)return void
0===t|(0,n.default)(e,t);return!1},t.isProperty=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"ObjectProperty\\\\"===r|\\\\"ClassProperty\\\\"===r|\\\\"ClassPrivateProperty\\\\"===r)return void
0===t|(0,n.default)(e,t);return!1},t.isUnaryLike=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"UnaryExpression\\\\"===r|\\\\"SpreadElement\\\\"===r)return void
0===t|(0,n.default)(e,t);return!1},t.isPattern=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"AssignmentPattern\\\\"===r|\\\\"ArrayPattern\\\\"===r|\\\\"ObjectPattern\\\\"===r|\\\\"Placeholder\\\\"===r&&\\\\"Pattern\\\\"===e.expectedNode)return void
0===t|(0,n.default)(e,t);return!1},t.isClass=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"ClassExpression\\\\"===r|\\\\"ClassDeclaration\\\\"===r)return void
0===t|(0,n.default)(e,t);return!1},t.isModuleDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"ExportAllDeclaration\\\\"===r|\\\\"ExportDefaultDeclaration\\\\"===r|\\\\"ExportNamedDeclaration\\\\"===r|\\\\"ImportDeclaration\\\\"===r)return void
0===t|(0,n.default)(e,t);return!1},t.isExportDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"ExportAllDeclaration\\\\"===r|\\\\"ExportDefaultDeclaration\\\\"===r|\\\\"ExportNamedDeclaration\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isModuleSpecifier=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"ExportSpecifier\\\\"===r|\\\\"ImportDefaultSpecifier\\\\"===r|\\\\"ImportNamespaceSpecifier\\\\"===r|\\\\"ImportSpecifier\\\\"===r|\\\\"ExportNamespaceSpecifier\\\\"===r|\\\\"ExportDefaultSpecifier\\\\"===r)return void
0===t|(0,n.default)(e,t);return!1},t.isFlow=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"AnyTypeAnnotation\\\\"===r|\\\\"ArrayTypeAnnotation\\\\"===r|\\\\"BooleanTypeAnnotation\\\\"===r|\\\\"BooleanLiteralTypeAnnotation\\\\"===r|\\\\"NullLiteralTypeAnnotation\\\\"===r|\\\\"ClassImplements\\\\"===r|\\\\"DeclareClass\\\\"===r|\\\\"DeclareFunction\\\\"===r|\\\\"DeclareInterface\\\\"===r|\\\\"DeclareModule\\\\"===r|\\\\"DeclareModuleExports\\\\"===r|\\\\"DeclareTypeAlias\\\\"===r|\\\\"DeclareOpaqueType\\\\"===r|\\\\"DeclareVariable\\\\"===r|\\\\"DeclareExportDeclaration\\\\"===r|\\\\"DeclareExportAllDeclaration\\\\"===r|\\\\"DeclaredPredicate\\\\"===r|\\\\"ExistsTypeAnnotation\\\\"===r|\\\\"FunctionTypeAnnotation\\\\"===r|\\\\"FunctionTypeParam\\\\"===r|\\\\"GenericTypeAnnotation\\\\"===r|\\\\"InferredPredicate\\\\"===r|\\\\"InterfaceExtends\\\\"===r|\\\\"InterfaceDeclaration\\\\"===r|\\\\"InterfaceTypeAnnotation\\\\"===r|\\\\"IntersectionTypeAnnotation\\\\"===r|\\\\"MixedTypeAnnotation\\\\"===r|\\\\"EmptyTypeAnnotation\\\\"===r|\\\\"NullableTypeAnnotation\\\\"===r|\\\\"NumberLiteralTypeAnnotation\\\\"===r|\\\\"NumberTypeAnnotation\\\\"===r|\\\\"ObjectTypeAnnotation\\\\"===r|\\\\"ObjectTypeInternalSlot\\\\"===r|\\\\"ObjectTypeCallProperty\\\\"===r|\\\\"ObjectTypeIndexer\\\\"===r|\\\\"ObjectTypeProperty\\\\"===r|\\\\"ObjectTypeSpreadProperty\\\\"===r|\\\\"OpaqueType\\\\"===r|\\\\"QualifiedTypeIdentifier\\\\"===r|\\\\"StringLiteralTypeAnnotation\\\\"===r|\\\\"StringTypeAnnotation\\\\"===r|\\\\"SymbolTypeAnnotation\\\\"===r|\\\\"ThisTypeAnnotation\\\\"===r|\\\\"TupleTypeAnnotation\\\\"===r|\\\\"TypeofTypeAnnotation\\\\"===r|\\\\"TypeAlias\\\\"===r|\\\\"TypeAnnotation\\\\"===r|\\\\"TypeCas

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tExpression\\\\"==r|\\\\"TypeParameter\\\\"==r|\\\\"TypeParameterDeclaration\\\\"==r|\\\\"TypeParameterInstantiati
on\\\\"==r|\\\\"UnionTypeAnnotation\\\\"==r|\\\\"Variance\\\\"==r|\\\\"VoidTypeAnnotation\\\\"==r|\\\\"IndexedAcc
essType\\\\"==r|\\\\"OptionalIndexedAccessType\\\\"==r)return void
0===t|(0,n.default)(e,t);return!1},t.isFlowType=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"AnyTypeAnnotation\\\\"==r|\\\\"ArrayTypeAnnotation\\\\"==r|\\\\"BooleanTypeAnnotation\\\\"==r|\\
\\\\"BooleanLiteralTypeAnnotation\\\\"==r|\\\\"NullLiteralTypeAnnotation\\\\"==r|\\\\"ExistsTypeAnnotation\\\\"==r
|\\\\"FunctionTypeAnnotation\\\\"==r|\\\\"GenericTypeAnnotation\\\\"==r|\\\\"InterfaceTypeAnnotation\\\\"==r|\\\\"I
ntersectionTypeAnnotation\\\\"==r|\\\\"MixedTypeAnnotation\\\\"==r|\\\\"EmptyTypeAnnotation\\\\"==r|\\\\"Nullab
leTypeAnnotation\\\\"==r|\\\\"NumberLiteralTypeAnnotation\\\\"==r|\\\\"NumberTypeAnnotation\\\\"==r|\\\\"Objec
tTypeAnnotation\\\\"==r|\\\\"StringLiteralTypeAnnotation\\\\"==r|\\\\"StringTypeAnnotation\\\\"==r|\\\\"SymbolTy
peAnnotation\\\\"==r|\\\\"ThisTypeAnnotation\\\\"==r|\\\\"TupleTypeAnnotation\\\\"==r|\\\\"TypeofTypeAnnotatio
n\\\\"==r|\\\\"UnionTypeAnnotation\\\\"==r|\\\\"VoidTypeAnnotation\\\\"==r|\\\\"IndexedAccessType\\\\"==r|\\\\"O
ptionalIndexedAccessType\\\\"==r)return void
0===t|(0,n.default)(e,t);return!1},t.isFlowBaseAnnotation=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"AnyTypeAnnotation\\\\"==r|\\\\"BooleanTypeAnnotation\\\\"==r|\\\\"NullLiteralTypeAnnotation\\\\"=
==r|\\\\"MixedTypeAnnotation\\\\"==r|\\\\"EmptyTypeAnnotation\\\\"==r|\\\\"NumberTypeAnnotation\\\\"==r|\\\\"S
tringTypeAnnotation\\\\"==r|\\\\"SymbolTypeAnnotation\\\\"==r|\\\\"ThisTypeAnnotation\\\\"==r|\\\\"VoidTypeAn
notation\\\\"==r)return void
0===t|(0,n.default)(e,t);return!1},t.isFlowDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"DeclareClass\\\\"==r|\\\\"DeclareFunction\\\\"==r|\\\\"DeclareInterface\\\\"==r|\\\\"DeclareModule\\\\"
==r|\\\\"DeclareModuleExports\\\\"==r|\\\\"DeclareTypeAlias\\\\"==r|\\\\"DeclareOpaqueType\\\\"==r|\\\\"Declare
Variable\\\\"==r|\\\\"DeclareExportDeclaration\\\\"==r|\\\\"DeclareExportAllDeclaration\\\\"==r|\\\\"InterfaceDeclar
ation\\\\"==r|\\\\"OpaqueType\\\\"==r|\\\\"TypeAlias\\\\"==r)return void
0===t|(0,n.default)(e,t);return!1},t.isFlowPredicate=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"DeclaredPredicate\\\\"==r|\\\\"InferredPredicate\\\\"==r)return void
0===t|(0,n.default)(e,t);return!1},t.isEnumBody=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"EnumBooleanBody\\\\"==r|\\\\"EnumNumberBody\\\\"==r|\\\\"EnumStringBody\\\\"==r|\\\\"EnumSy
mbolBody\\\\"==r)return void
0===t|(0,n.default)(e,t);return!1},t.isEnumMember=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"EnumBooleanMember\\\\"==r|\\\\"EnumNumberMember\\\\"==r|\\\\"EnumStringMember\\\\"==r|\\\\"
EnumDefaultedMember\\\\"==r)return void
0===t|(0,n.default)(e,t);return!1},t.isJSX=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"JSXAttribute\\\\"==r|\\\\"JSXClosingElement\\\\"==r|\\\\"JSXElement\\\\"==r|\\\\"JSXEmptyExpressi
on\\\\"==r|\\\\"JSXExpressionContainer\\\\"==r|\\\\"JSXSpreadChild\\\\"==r|\\\\"JSXIdentifier\\\\"==r|\\\\"JSXMem
berExpression\\\\"==r|\\\\"JSXNamespacedName\\\\"==r|\\\\"JSXOpeningElement\\\\"==r|\\\\"JSXSpreadAttribute\\
\\\\"==r|\\\\"JSXText\\\\"==r|\\\\"JSXFragment\\\\"==r|\\\\"JSXOpeningFragment\\\\"==r|\\\\"JSXClosingFragment\\
\\\\"==r)return void
0===t|(0,n.default)(e,t);return!1},t.isPrivate=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"ClassPrivateProperty\\\\"==r|\\\\"ClassPrivateMethod\\\\"==r|\\\\"PrivateName\\\\"==r)return void
0===t|(0,n.default)(e,t);return!1},t.isTSTypeElement=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"TSCallSignatureDeclaration\\\\"==r|\\\\"TSConstructSignatureDeclaration\\\\"==r|\\\\"TSPropertySig
nature\\\\"==r|\\\\"TSMethodSignature\\\\"==r|\\\\"TSIndexSignature\\\\"==r)return void
0===t|(0,n.default)(e,t);return!1},t.isTSType=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"TSAnyKeyword\\\\"==r|\\\\"TSBooleanKeyword\\\\"==r|\\\\"TSBigIntKeyword\\\\"==r|\\\\"TSIntrins
icKeyword\\\\"==r|\\\\"TSNeverKeyword\\\\"==r|\\\\"TSNullKeyword\\\\"==r|\\\\"TSNumberKeyword\\\\"==r|\\\\"
TSObjectKeyword\\\\"==r|\\\\"TSStringKeyword\\\\"==r|\\\\"TSSymbolKeyword\\\\"==r|\\\\"TSUndefinedKeyword
\\\\"==r|\\\\"TSUnknownKeyword\\\\"==r|\\\\"TSVoidKeyword\\\\"==r|\\\\"TSThisType\\\\"==r|\\\\"TSFunctionTyp
e\\\\"==r|\\\\"TSConstructorType\\\\"==r|\\\\"TSTypeReference\\\\"==r|\\\\"TSTypePredicate\\\\"==r|\\\\"TSTypeQu
ery\\\\"==r|\\\\"TSTypeLiteral\\\\"==r|\\\\"TSArrayType\\\\"==r|\\\\"TSTupleType\\\\"==r|\\\\"TSOptionalType\\\\"=

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===r|\\\\"TSRestType\\\\"===r|\\\\"TSUnionType\\\\"===r|\\\\"TSIntersectionType\\\\"===r|\\\\"TSConditionalType\\\\"=
===r|\\\\"TSInferType\\\\"===r|\\\\"TSParenthesizedType\\\\"===r|\\\\"TSTypeOperator\\\\"===r|\\\\"TSIndexedAccessT
ype\\\\"===r|\\\\"TSMappedType\\\\"===r|\\\\"TSLiteralType\\\\"===r|\\\\"TSExpressionWithTypeArguments\\\\"===r|\\
\\\\"TSImportType\\\\"===r)return void
0===t|(0,n.default)(e,t);return!1},t.isTSBaseType=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"TSAnyKeyword\\\\"===r|\\\\"TSBooleanKeyword\\\\"===r|\\\\"TSBigIntKeyword\\\\"===r|\\\\"TSIntrin
sicKeyword\\\\"===r|\\\\"TSNeverKeyword\\\\"===r|\\\\"TSNullKeyword\\\\"===r|\\\\"TSNumberKeyword\\\\"===r|\\\\"
TSObjectKeyword\\\\"===r|\\\\"TSStringKeyword\\\\"===r|\\\\"TSSymbolKeyword\\\\"===r|\\\\"TSUndefinedKeyword
\\\\"===r|\\\\"TSUnknownKeyword\\\\"===r|\\\\"TSVoidKeyword\\\\"===r|\\\\"TSThisType\\\\"===r|\\\\"TSLiteralType\\
\\\\"===r)return void 0===t|(0,n.default)(e,t);return!1},t.isNumberLiteral=function(e,t){if(console.trace(\\\\"The node
type NumberLiteral has been renamed to NumericLiteral\\\\"),!e)return!1;if(\\\\"NumberLiteral\\\\"===e.type)return
void 0===t|(0,n.default)(e,t);return!1},t.isRegexLiteral=function(e,t){if(console.trace(\\\\"The node type
RegexLiteral has been renamed to RegExpLiteral\\\\"),!e)return!1;if(\\\\"RegexLiteral\\\\"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isRestProperty=function(e,t){if(console.trace(\\\\"The node type RestProperty has
been renamed to RestElement\\\\"),!e)return!1;if(\\\\"RestProperty\\\\"===e.type)return void
0===t|(0,n.default)(e,t);return!1},t.isSpreadProperty=function(e,t){if(console.trace(\\\\"The node type
SpreadProperty has been renamed to SpreadElement\\\\"),!e)return!1;if(\\\\"SpreadProperty\\\\"===e.type)return void
0===t|(0,n.default)(e,t);return!1};var n=r(54)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\"",{value:!0}),t.isArrayExpression=function(e,t){if(!e)return!1;if(\\
\\\"ArrayExpression\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isAssignmentExpression=function(e,t){if(!e)return!1;if(\\\\"AssignmentExpressio
n\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isBinaryExpression=function(e,t){if(!e)return!1;if(\\\\"BinaryExpression\\\\"===e.t
ype)return void
0===t|(0,i.default)(e,t);return!1},t.isInterpreterDirective=function(e,t){if(!e)return!1;if(\\\\"InterpreterDirective\\\\"=
=e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isDirective=function(e,t){if(!e)return!1;if(\\\\"Directive\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isDirectiveLiteral=function(e,t){if(!e)return!1;if(\\\\"DirectiveLiteral\\\\"===e.type
)return void
0===t|(0,i.default)(e,t);return!1},t.isBlockStatement=function(e,t){if(!e)return!1;if(\\\\"BlockStatement\\\\"===e.type
)return void
0===t|(0,i.default)(e,t);return!1},t.isBreakStatement=function(e,t){if(!e)return!1;if(\\\\"BreakStatement\\\\"===e.type
)return void
0===t|(0,i.default)(e,t);return!1},t.isCallExpression=function(e,t){if(!e)return!1;if(\\\\"CallExpression\\\\"===e.type)r
eturn void
0===t|(0,i.default)(e,t);return!1},t.isCatchClause=function(e,t){if(!e)return!1;if(\\\\"CatchClause\\\\"===e.type)return
void
0===t|(0,i.default)(e,t);return!1},t.isConditionalExpression=function(e,t){if(!e)return!1;if(\\\\"ConditionalExpression
\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isContinueStatement=function(e,t){if(!e)return!1;if(\\\\"ContinueStatement\\\\"===
e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isDebuggerStatement=function(e,t){if(!e)return!1;if(\\\\"DebuggerStatement\\\\"=
=e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isDoWhileStatement=function(e,t){if(!e)return!1;if(\\\\"DoWhileStatement\\\\"===
e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isEmptyStatement=function(e,t){if(!e)return!1;if(\\\\"EmptyStatement\\\\"===e.typ
e)return void
0===t|(0,i.default)(e,t);return!1},t.isExpressionStatement=function(e,t){if(!e)return!1;if(\\\\"ExpressionStatement\\\\"

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===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isFile=function(e,t){if(!e)return!1;if(\\\\"File\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isForInStatement=function(e,t){if(!e)return!1;if(\\\\"ForInStatement\\\\"===e.type)
return void
0===t||(0,i.default)(e,t);return!1},t.isForStatement=function(e,t){if(!e)return!1;if(\\\\"ForStatement\\\\"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isFunctionDeclaration=function(e,t){if(!e)return!1;if(\\\\"FunctionDeclaration\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isFunctionExpression=function(e,t){if(!e)return!1;if(\\\\"FunctionExpression\\\\"=
=e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isIdentifier=function(e,t){if(!e)return!1;if(\\\\"Identifier\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isIfStatement=function(e,t){if(!e)return!1;if(\\\\"IfStatement\\\\"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isLabeledStatement=function(e,t){if(!e)return!1;if(\\\\"LabeledStatement\\\\"===e.t
ype)return void
0===t||(0,i.default)(e,t);return!1},t.isStringLiteral=function(e,t){if(!e)return!1;if(\\\\"StringLiteral\\\\"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isNumericLiteral=function(e,t){if(!e)return!1;if(\\\\"NumericLiteral\\\\"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isNullLiteral=function(e,t){if(!e)return!1;if(\\\\"NullLiteral\\\\"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isBooleanLiteral=function(e,t){if(!e)return!1;if(\\\\"BooleanLiteral\\\\"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isRegExpLiteral=function(e,t){if(!e)return!1;if(\\\\"RegExpLiteral\\\\"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isLogicalExpression=function(e,t){if(!e)return!1;if(\\\\"LogicalExpression\\\\"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isMemberExpression=function(e,t){if(!e)return!1;if(\\\\"MemberExpression\\\\"=
=e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNewExpression=function(e,t){if(!e)return!1;if(\\\\"NewExpression\\\\"===e.type)
return void
0===t||(0,i.default)(e,t);return!1},t.isProgram=function(e,t){if(!e)return!1;if(\\\\"Program\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectExpression=function(e,t){if(!e)return!1;if(\\\\"ObjectExpression\\\\"===e.t
ype)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectMethod=function(e,t){if(!e)return!1;if(\\\\"ObjectMethod\\\\"===e.type)ret
urn void
0===t||(0,i.default)(e,t);return!1},t.isObjectProperty=function(e,t){if(!e)return!1;if(\\\\"ObjectProperty\\\\"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isRestElement=function(e,t){if(!e)return!1;if(\\\\"RestElement\\\\"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isReturnStatement=function(e,t){if(!e)return!1;if(\\\\"ReturnStatement\\\\"===e.typ
e)return void
0===t||(0,i.default)(e,t);return!1},t.isSequenceExpression=function(e,t){if(!e)return!1;if(\\\\"SequenceExpression\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isParenthesizedExpression=function(e,t){if(!e)return!1;if(\\\\"ParenthesizedExpres
sion\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isSwitchCase=function(e,t){if(!e)return!1;if(\\\\"SwitchCase\\\\"===e.type)return
void

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0===t||(0,i.default)(e,t);return!1},t.isSwitchStatement=function(e,t){if(!e)return!1;if(\\\\"SwitchStatement\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isThisExpression=function(e,t){if(!e)return!1;if(\\\\"ThisExpression\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isThrowStatement=function(e,t){if(!e)return!1;if(\\\\"ThrowStatement\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTryStatement=function(e,t){if(!e)return!1;if(\\\\"TryStatement\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isUnaryExpression=function(e,t){if(!e)return!1;if(\\\\"UnaryExpression\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isUpdateExpression=function(e,t){if(!e)return!1;if(\\\\"UpdateExpression\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isVariableDeclaration=function(e,t){if(!e)return!1;if(\\\\"VariableDeclaration\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isVariableDeclarator=function(e,t){if(!e)return!1;if(\\\\"VariableDeclarator\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isWhileStatement=function(e,t){if(!e)return!1;if(\\\\"WhileStatement\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isWithStatement=function(e,t){if(!e)return!1;if(\\\\"WithStatement\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isAssignmentPattern=function(e,t){if(!e)return!1;if(\\\\"AssignmentPattern\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isArrayPattern=function(e,t){if(!e)return!1;if(\\\\"ArrayPattern\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isArrowFunctionExpression=function(e,t){if(!e)return!1;if(\\\\"ArrowFunctionExpression\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassBody=function(e,t){if(!e)return!1;if(\\\\"ClassBody\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassExpression=function(e,t){if(!e)return!1;if(\\\\"ClassExpression\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassDeclaration=function(e,t){if(!e)return!1;if(\\\\"ClassDeclaration\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExportAllDeclaration=function(e,t){if(!e)return!1;if(\\\\"ExportAllDeclaration\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExportDefaultDeclaration=function(e,t){if(!e)return!1;if(\\\\"ExportDefaultDeclaration\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExportNamedDeclaration=function(e,t){if(!e)return!1;if(\\\\"ExportNamedDeclaration\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExportSpecifier=function(e,t){if(!e)return!1;if(\\\\"ExportSpecifier\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isForOfStatement=function(e,t){if(!e)return!1;if(\\\\"ForOfStatement\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isImportDeclaration=function(e,t){if(!e)return!1;if(\\\\"ImportDeclaration\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isImportDefaultSpecifier=function(e,t){if(!e)return!1;if(\\\\"ImportDefaultSpecifier\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isImportNamespaceSpecifier=function(e,t){if(!e)return!1;if(\\\\"ImportNamespaceSpecifier\\\\"===e.type)return void

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0===t||(0,i.default)(e,t);return!1},t.isImportSpecifier=function(e,t){if(!e)return!1;if(\\\\"ImportSpecifier\\\\\\"===e.type)
return void
0===t||(0,i.default)(e,t);return!1},t.isMetaProperty=function(e,t){if(!e)return!1;if(\\\\"MetaProperty\\\\\\"===e.type)retu
rn void
0===t||(0,i.default)(e,t);return!1},t.isClassMethod=function(e,t){if(!e)return!1;if(\\\\"ClassMethod\\\\\\"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isObjectPattern=function(e,t){if(!e)return!1;if(\\\\"ObjectPattern\\\\\\"===e.type)retu
rn void
0===t||(0,i.default)(e,t);return!1},t.isSpreadElement=function(e,t){if(!e)return!1;if(\\\\"SpreadElement\\\\\\"===e.type)r
eturn void 0===t||(0,i.default)(e,t);return!1},t.isSuper=function(e,t){if(!e)return!1;if(\\\\"Super\\\\\\"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isTaggedTemplateExpression=function(e,t){if(!e)return!1;if(\\\\"TaggedTemplate
Expression\\\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTemplateElement=function(e,t){if(!e)return!1;if(\\\\"TemplateElement\\\\\\"===e.t
ype)return void
0===t||(0,i.default)(e,t);return!1},t.isTemplateLiteral=function(e,t){if(!e)return!1;if(\\\\"TemplateLiteral\\\\\\"===e.type
)return void
0===t||(0,i.default)(e,t);return!1},t.isYieldExpression=function(e,t){if(!e)return!1;if(\\\\"YieldExpression\\\\\\"===e.typ
e)return void
0===t||(0,i.default)(e,t);return!1},t.isAwaitExpression=function(e,t){if(!e)return!1;if(\\\\"AwaitExpression\\\\\\"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isImport=function(e,t){if(!e)return!1;if(\\\\"Import\\\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBigIntLiteral=function(e,t){if(!e)return!1;if(\\\\"BigIntLiteral\\\\\\"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isExportNamespaceSpecifier=function(e,t){if(!e)return!1;if(\\\\"ExportNamespace
Specifier\\\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isOptionalMemberExpression=function(e,t){if(!e)return!1;if(\\\\"OptionalMember
Expression\\\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isOptionalCallExpression=function(e,t){if(!e)return!1;if(\\\\"OptionalCallExpressi
on\\\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isAnyTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"AnyTypeAnnotation\\\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isArrayTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"ArrayTypeAnnotation\\
\\\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBooleanTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"BooleanTypeAnnota
tion\\\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBooleanLiteralTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"BooleanLitera
lTypeAnnotation\\\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNullLiteralTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"NullLiteralTypeA
nnotation\\\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassImplements=function(e,t){if(!e)return!1;if(\\\\"ClassImplements\\\\\\"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareClass=function(e,t){if(!e)return!1;if(\\\\"DeclareClass\\\\\\"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isDeclareFunction=function(e,t){if(!e)return!1;if(\\\\"DeclareFunction\\\\\\"===e.typ
e)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareInterface=function(e,t){if(!e)return!1;if(\\\\"DeclareInterface\\\\\\"===e.typ
e)return void

```



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0===t||(0,i.default)(e,t);return!1},t.isDeclareModule=function(e,t){if(!e)return!1;if(\\\\"DeclareModule\\\\"===e.type)
return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareModuleExports=function(e,t){if(!e)return!1;if(\\\\"DeclareModuleExport
s\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareTypeAlias=function(e,t){if(!e)return!1;if(\\\\"DeclareTypeAlias\\\\"===e.
type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareOpaqueType=function(e,t){if(!e)return!1;if(\\\\"DeclareOpaqueType\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareVariable=function(e,t){if(!e)return!1;if(\\\\"DeclareVariable\\\\"===e.typ
e)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareExportDeclaration=function(e,t){if(!e)return!1;if(\\\\"DeclareExportDecl
aration\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareExportAllDeclaration=function(e,t){if(!e)return!1;if(\\\\"DeclareExportA
llDeclaration\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclaredPredicate=function(e,t){if(!e)return!1;if(\\\\"DeclaredPredicate\\\\"===e.
type)return void
0===t||(0,i.default)(e,t);return!1},t.isExistsTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"ExistsTypeAnnotation\\
\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isFunctionTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"FunctionTypeAnnot
ation\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isFunctionTypeParam=function(e,t){if(!e)return!1;if(\\\\"FunctionTypeParam\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isGenericTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"GenericTypeAnnotat
ion\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isInferredPredicate=function(e,t){if(!e)return!1;if(\\\\"InferredPredicate\\\\"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isInterfaceExtends=function(e,t){if(!e)return!1;if(\\\\"InterfaceExtends\\\\"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isInterfaceDeclaration=function(e,t){if(!e)return!1;if(\\\\"InterfaceDeclaration\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isInterfaceTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"InterfaceTypeAnnot
ation\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isIntersectionTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"IntersectionType
Annotation\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isMixedTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"MixedTypeAnnotation
\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEmptyTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"EmptyTypeAnnotatio
n\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNullableTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"NullableTypeAnnot
ation\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNumberLiteralTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"NumberLitera
lTypeAnnotation\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNumberTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"NumberTypeAnnotat
ion\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"ObjectTypeAnnotatio
n\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeInternalSlot=function(e,t){if(!e)return!1;if(\\\\"ObjectTypeInternalSl
ot\\\\"===e.type)return void

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0===t||(0,i.default)(e,t);return!1},t.isObjectTypeCallProperty=function(e,t){if(!e)return!1;if(\\\\"ObjectTypeCallProp
erty\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeIndexer=function(e,t){if(!e)return!1;if(\\\\"ObjectTypeIndexer\\\\"===
=e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeProperty=function(e,t){if(!e)return!1;if(\\\\"ObjectTypeProperty\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeSpreadProperty=function(e,t){if(!e)return!1;if(\\\\"ObjectTypeSprea
dProperty\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isOpaqueType=function(e,t){if(!e)return!1;if(\\\\"OpaqueType\\\\"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isQualifiedTypeIdentifier=function(e,t){if(!e)return!1;if(\\\\"QualifiedTypeIdentifi
er\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isStringLiteralTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"StringLiteralTyp
eAnnotation\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isStringTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"StringTypeAnnotation\\
\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isSymbolTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"SymbolTypeAnnotati
on\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isThisTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"ThisTypeAnnotation\\\\"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTupleTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"TupleTypeAnnotation\\
\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeofTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"TypeofTypeAnnotatio
n\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeAlias=function(e,t){if(!e)return!1;if(\\\\"TypeAlias\\\\"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"TypeAnnotation\\\\"===e.typ
e)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeCastExpression=function(e,t){if(!e)return!1;if(\\\\"TypeCastExpression\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeParameter=function(e,t){if(!e)return!1;if(\\\\"TypeParameter\\\\"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isTypeParameterDeclaration=function(e,t){if(!e)return!1;if(\\\\"TypeParameterDe
claration\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeParameterInstantiation=function(e,t){if(!e)return!1;if(\\\\"TypeParameterIn
stantiation\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isUnionTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"UnionTypeAnnotation\\
\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isVariance=function(e,t){if(!e)return!1;if(\\\\"Variance\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isVoidTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"VoidTypeAnnotation\\\\"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumDeclaration=function(e,t){if(!e)return!1;if(\\\\"EnumDeclaration\\\\"===e.t
ype)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumBooleanBody=function(e,t){if(!e)return!1;if(\\\\"EnumBooleanBody\\\\"===
=e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumNumberBody=function(e,t){if(!e)return!1;if(\\\\"EnumNumberBody\\\\"===
=e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumStringBody=function(e,t){if(!e)return!1;if(\\\\"EnumStringBody\\\\"===e.t

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ype)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumSymbolBody=function(e,t){if(!e)return!1;if(\\\\"EnumSymbolBody\\\\"===
e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumBooleanMember=function(e,t){if(!e)return!1;if(\\\\"EnumBooleanMember
\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumNumberMember=function(e,t){if(!e)return!1;if(\\\\"EnumNumberMember\\
\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumStringMember=function(e,t){if(!e)return!1;if(\\\\"EnumStringMember\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumDefaultedMember=function(e,t){if(!e)return!1;if(\\\\"EnumDefaultedMem
ber\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXAttribute=function(e,t){if(!e)return!1;if(\\\\"JSXAttribute\\\\"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isJSXClosingElement=function(e,t){if(!e)return!1;if(\\\\"JSXClosingElement\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXElement=function(e,t){if(!e)return!1;if(\\\\"JSXElement\\\\"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isJSXEmptyExpression=function(e,t){if(!e)return!1;if(\\\\"JSXEmptyExpression\\\\"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXExpressionContainer=function(e,t){if(!e)return!1;if(\\\\"JSXExpressionCont
ainer\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXSpreadChild=function(e,t){if(!e)return!1;if(\\\\"JSXSpreadChild\\\\"===e.typ
e)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXIdentifier=function(e,t){if(!e)return!1;if(\\\\"JSXIdentifier\\\\"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isJSXMemberExpression=function(e,t){if(!e)return!1;if(\\\\"JSXMemberExpressi
on\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXNamespacedName=function(e,t){if(!e)return!1;if(\\\\"JSXNamespacedName
\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXOpeningElement=function(e,t){if(!e)return!1;if(\\\\"JSXOpeningElement\\\\"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXSpreadAttribute=function(e,t){if(!e)return!1;if(\\\\"JSXSpreadAttribute\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXText=function(e,t){if(!e)return!1;if(\\\\"JSXText\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXFragment=function(e,t){if(!e)return!1;if(\\\\"JSXFragment\\\\"===e.type)retu
rn void
0===t||(0,i.default)(e,t);return!1},t.isJSXOpeningFragment=function(e,t){if(!e)return!1;if(\\\\"JSXOpeningFragment\\
\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXClosingFragment=function(e,t){if(!e)return!1;if(\\\\"JSXClosingFragment\\\\"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNoop=function(e,t){if(!e)return!1;if(\\\\"Noop\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPlaceholder=function(e,t){if(!e)return!1;if(\\\\"Placeholder\\\\"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isV8IntrinsicIdentifier=function(e,t){if(!e)return!1;if(\\\\"V8IntrinsicIdentifier\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isArgumentPlaceholder=function(e,t){if(!e)return!1;if(\\\\"ArgumentPlaceholder\\\\"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBindExpression=function(e,t){if(!e)return!1;if(\\\\"BindExpression\\\\"===e.type

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)return void
0===t||(0,i.default)(e,t);return!1},t.isClassProperty=function(e,t){if(!e)return!1;if(\\\\"ClassProperty\\\\"===e.type)ret
urn void
0===t||(0,i.default)(e,t);return!1},t.isPipelineTopicExpression=function(e,t){if(!e)return!1;if(\\\\"PipelineTopicExpre
ssion\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPipelineBareFunction=function(e,t){if(!e)return!1;if(\\\\"PipelineBareFunction\\\\"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPipelinePrimaryTopicReference=function(e,t){if(!e)return!1;if(\\\\"PipelinePrim
aryTopicReference\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassPrivateProperty=function(e,t){if(!e)return!1;if(\\\\"ClassPrivateProperty\\\\"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassPrivateMethod=function(e,t){if(!e)return!1;if(\\\\"ClassPrivateMethod\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isImportAttribute=function(e,t){if(!e)return!1;if(\\\\"ImportAttribute\\\\"===e.type)
return void
0===t||(0,i.default)(e,t);return!1},t.isDecorator=function(e,t){if(!e)return!1;if(\\\\"Decorator\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDoExpression=function(e,t){if(!e)return!1;if(\\\\"DoExpression\\\\"===e.type)ret
urn void
0===t||(0,i.default)(e,t);return!1},t.isExportDefaultSpecifier=function(e,t){if(!e)return!1;if(\\\\"ExportDefaultSpecifie
r\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPrivateName=function(e,t){if(!e)return!1;if(\\\\"PrivateName\\\\"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isRecordExpression=function(e,t){if(!e)return!1;if(\\\\"RecordExpression\\\\"===e.
type)return void
0===t||(0,i.default)(e,t);return!1},t.isTupleExpression=function(e,t){if(!e)return!1;if(\\\\"TupleExpression\\\\"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isDecimalLiteral=function(e,t){if(!e)return!1;if(\\\\"DecimalLiteral\\\\"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isStaticBlock=function(e,t){if(!e)return!1;if(\\\\"StaticBlock\\\\"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isTSParameterProperty=function(e,t){if(!e)return!1;if(\\\\"TSParameterProperty\\\\"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSDeclareFunction=function(e,t){if(!e)return!1;if(\\\\"TSDeclareFunction\\\\"=
=e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSDeclareMethod=function(e,t){if(!e)return!1;if(\\\\"TSDeclareMethod\\\\"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSQualifiedName=function(e,t){if(!e)return!1;if(\\\\"TSQualifiedName\\\\"===e.
type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSCallSignatureDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSCallSignature
Declaration\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSConstructSignatureDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSConstruc
tSignatureDeclaration\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSPropertySignature=function(e,t){if(!e)return!1;if(\\\\"TSPropertySignature\\\\"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSMMethodSignature=function(e,t){if(!e)return!1;if(\\\\"TSMMethodSignature\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSIndexSignature=function(e,t){if(!e)return!1;if(\\\\"TSIndexSignature\\\\"===e.
type)return void

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0===t||(0,i.default)(e,t);return!1},t.isTSAnyKeyword=function(e,t){if(!e)return!1;if(\\\\"TSAnyKeyword\\\\"===e.type)
return void
0===t||(0,i.default)(e,t);return!1},t.isTSBooleanKeyword=function(e,t){if(!e)return!1;if(\\\\"TSBooleanKeyword\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSBigIntKeyword=function(e,t){if(!e)return!1;if(\\\\"TSBigIntKeyword\\\\"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSIntrinsicKeyword=function(e,t){if(!e)return!1;if(\\\\"TSIntrinsicKeyword\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNeverKeyword=function(e,t){if(!e)return!1;if(\\\\"TSNeverKeyword\\\\"===e.
type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNullKeyword=function(e,t){if(!e)return!1;if(\\\\"TSNullKeyword\\\\"===e.type
e)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNumberKeyword=function(e,t){if(!e)return!1;if(\\\\"TSNumberKeyword\\\\"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSObjectKeyword=function(e,t){if(!e)return!1;if(\\\\"TSObjectKeyword\\\\"===
e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSStringKeyword=function(e,t){if(!e)return!1;if(\\\\"TSStringKeyword\\\\"===e.
type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSSymbolKeyword=function(e,t){if(!e)return!1;if(\\\\"TSSymbolKeyword\\\\"===
=e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSUndefinedKeyword=function(e,t){if(!e)return!1;if(\\\\"TSUndefinedKeyword
\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSUnknownKeyword=function(e,t){if(!e)return!1;if(\\\\"TSUnknownKeyword\\
\\\\"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSVoidKeyword=function(e,t){if(!e)return!1;if(\\\\"TSVoidKeyword\\\\"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isTSThisType=function(e,t){if(!e)return!1;if(\\\\"TSThisType\\\\"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isTSFunctionType=function(e,t){if(!e)return!1;if(\\\\"TSFunctionType\\\\"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isTSConstructorType=function(e,t){if(!e)return!1;if(\\\\"TSConstructorType\\\\"=
=e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeReference=function(e,t){if(!e)return!1;if(\\\\"TSTypeReference\\\\"===e.
type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypePredicate=function(e,t){if(!e)return!1;if(\\\\"TSTypePredicate\\\\"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeQuery=function(e,t){if(!e)return!1;if(\\\\"TSTypeQuery\\\\"===e.type)ret
urn void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeLiteral=function(e,t){if(!e)return!1;if(\\\\"TSTypeLiteral\\\\"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isTSArrayType=function(e,t){if(!e)return!1;if(\\\\"TSArrayType\\\\"===e.type)retu
rn void
0===t||(0,i.default)(e,t);return!1},t.isTSTupleType=function(e,t){if(!e)return!1;if(\\\\"TSTupleType\\\\"===e.type)retu
rn void
0===t||(0,i.default)(e,t);return!1},t.isTSOptionalType=function(e,t){if(!e)return!1;if(\\\\"TSOptionalType\\\\"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isTSRestType=function(e,t){if(!e)return!1;if(\\\\"TSRestType\\\\"===e.type)return
void

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0===t|(0,i.default)(e,t);return!1},t.isTSNamedTupleMember=function(e,t){if(!e)return!1;if(\\\\"TSNamedTupleMember\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSUnionType=function(e,t){if(!e)return!1;if(\\\\"TSUnionType\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSIntersectionType=function(e,t){if(!e)return!1;if(\\\\"TSIntersectionType\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSConditionalType=function(e,t){if(!e)return!1;if(\\\\"TSConditionalType\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSInferType=function(e,t){if(!e)return!1;if(\\\\"TSInferType\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSParenthesizedType=function(e,t){if(!e)return!1;if(\\\\"TSParenthesizedType\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSTypeOperator=function(e,t){if(!e)return!1;if(\\\\"TSTypeOperator\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSIndexedAccessType=function(e,t){if(!e)return!1;if(\\\\"TSIndexedAccessType\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSMappedType=function(e,t){if(!e)return!1;if(\\\\"TSMappedType\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSLiteralType=function(e,t){if(!e)return!1;if(\\\\"TSLiteralType\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSExpressionWithTypeArguments=function(e,t){if(!e)return!1;if(\\\\"TSExpressionWithTypeArguments\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSInterfaceDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSInterfaceDeclaration\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSInterfaceBody=function(e,t){if(!e)return!1;if(\\\\"TSInterfaceBody\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSTypeAliasDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSTypeAliasDeclaration\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSAsExpression=function(e,t){if(!e)return!1;if(\\\\"TSAsExpression\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSTypeAssertion=function(e,t){if(!e)return!1;if(\\\\"TSTypeAssertion\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSEnumDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSEnumDeclaration\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSEnumMember=function(e,t){if(!e)return!1;if(\\\\"TSEnumMember\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSModuleDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSModuleDeclaration\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSModuleBlock=function(e,t){if(!e)return!1;if(\\\\"TSModuleBlock\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSImportType=function(e,t){if(!e)return!1;if(\\\\"TSImportType\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSImportEqualsDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSImportEqualsDeclaration\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSExternalModuleReference=function(e,t){if(!e)return!1;if(\\\\"TSExternalModuleReference\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSNonNullExpression=function(e,t){if(!e)return!1;if(\\\\"TSNonNullExpression\\\\"===e.type)return void

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0===t|(0,i.default)(e,t);return!1},t.isTSExportAssignment=function(e,t){if(!e)return!1;if(\\\\"TSExportAssignment\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSNamespaceExportDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSNamespaceExportDeclaration\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSTypeAnnotation=function(e,t){if(!e)return!1;if(\\\\"TSTypeAnnotation\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSTypeParameterInstantiation=function(e,t){if(!e)return!1;if(\\\\"TSTypeParameterInstantiation\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSTypeParameterDeclaration=function(e,t){if(!e)return!1;if(\\\\"TSTypeParameterDeclaration\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isTSTypeParameter=function(e,t){if(!e)return!1;if(\\\\"TSTypeParameter\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isExpression=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Expression\\\\"===r||\\\\"ArrayExpression\\\\"===r||\\\\"AssignmentExpression\\\\"===r||\\\\"BinaryExpression\\\\"===r||\\\\"CallExpression\\\\"===r||\\\\"ConditionalExpression\\\\"===r||\\\\"FunctionExpression\\\\"===r||\\\\"Identifier\\\\"===r||\\\\"StringLiteral\\\\"===r||\\\\"NumericLiteral\\\\"===r||\\\\"NullLiteral\\\\"===r||\\\\"BooleanLiteral\\\\"===r||\\\\"RegExpLiteral\\\\"===r||\\\\"LogicalExpression\\\\"===r||\\\\"MemberExpression\\\\"===r||\\\\"NewExpression\\\\"===r||\\\\"ObjectExpression\\\\"===r||\\\\"SequenceExpression\\\\"===r||\\\\"ParenthesizedExpression\\\\"===r||\\\\"ThisExpression\\\\"===r||\\\\"UnaryExpression\\\\"===r||\\\\"UpdateExpression\\\\"===r||\\\\"ArrowFunctionExpression\\\\"===r||\\\\"ClassExpression\\\\"===r||\\\\"MetaProperty\\\\"===r||\\\\"Super\\\\"===r||\\\\"TaggedTemplateExpression\\\\"===r||\\\\"TemplateLiteral\\\\"===r||\\\\"YieldExpression\\\\"===r||\\\\"AwaitExpression\\\\"===r||\\\\"Import\\\\"===r||\\\\"BigIntLiteral\\\\"===r||\\\\"OptionalMemberExpression\\\\"===r||\\\\"OptionalCallExpression\\\\"===r||\\\\"TypeCastExpression\\\\"===r||\\\\"JSXElement\\\\"===r||\\\\"JSXFragment\\\\"===r||\\\\"BindExpression\\\\"===r||\\\\"PipelinePrimaryTopicReference\\\\"===r||\\\\"DoExpression\\\\"===r||\\\\"RecordExpression\\\\"===r||\\\\"TupleExpression\\\\"===r||\\\\"DecimalLiteral\\\\"===r||\\\\"TSAsExpression\\\\"===r||\\\\"TSTypeAssertion\\\\"===r||\\\\"TSNonNullExpression\\\\"===r||\\\\"Placeholder\\\\"===r&&(\\\\"Expression\\\\"===e.expectedNode||\\\\"Identifier\\\\"===e.expectedNode||\\\\"StringLiteral\\\\"===e.expectedNode))return void
0===t|(0,i.default)(e,t);return!1},t.isBinary=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Binary\\\\"===r||\\\\"BinaryExpression\\\\"===r||\\\\"LogicalExpression\\\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isScopable=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Scopable\\\\"===r||\\\\"BlockStatement\\\\"===r||\\\\"CatchClause\\\\"===r||\\\\"DoWhileStatement\\\\"===r||\\\\"ForInStatement\\\\"===r||\\\\"ForStatement\\\\"===r||\\\\"FunctionDeclaration\\\\"===r||\\\\"FunctionExpression\\\\"===r||\\\\"Program\\\\"===r||\\\\"ObjectMethod\\\\"===r||\\\\"SwitchStatement\\\\"===r||\\\\"WhileStatement\\\\"===r||\\\\"ArrowFunctionExpression\\\\"===r||\\\\"ClassExpression\\\\"===r||\\\\"ClassDeclaration\\\\"===r||\\\\"ForOfStatement\\\\"===r||\\\\"ClassMethod\\\\"===r||\\\\"ClassPrivateMethod\\\\"===r||\\\\"StaticBlock\\\\"===r||\\\\"TSMODULEBlock\\\\"===r||\\\\"Placeholder\\\\"===r&&(\\\\"BlockStatement\\\\"===e.expectedNode))return void
0===t|(0,i.default)(e,t);return!1},t.isBlockParent=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"BlockParent\\\\"===r||\\\\"BlockStatement\\\\"===r||\\\\"CatchClause\\\\"===r||\\\\"DoWhileStatement\\\\"===r||\\\\"ForInStatement\\\\"===r||\\\\"ForStatement\\\\"===r||\\\\"FunctionDeclaration\\\\"===r||\\\\"FunctionExpression\\\\"===r||\\\\"Program\\\\"===r||\\\\"ObjectMethod\\\\"===r||\\\\"SwitchStatement\\\\"===r||\\\\"WhileStatement\\\\"===r||\\\\"ArrowFunctionExpression\\\\"===r||\\\\"ForOfStatement\\\\"===r||\\\\"ClassMethod\\\\"===r||\\\\"ClassPrivateMethod\\\\"===r||\\\\"StaticBlock\\\\"===r||\\\\"TSMODULEBlock\\\\"===r||\\\\"Placeholder\\\\"===r&&(\\\\"BlockStatement\\\\"===e.expectedNode))return void
0===t|(0,i.default)(e,t);return!1},t.isBlock=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Block\\\\"===r||\\\\"BlockStatement\\\\"===r||\\\\"Program\\\\"===r||\\\\"TSMODULEBlock\\\\"===r||\\\\"Placeholder\\\\"===r&&(\\\\"BlockStatement\\\\"===e.expectedNode))return void
0===t|(0,i.default)(e,t);return!1},t.isStatement=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Statement\\\\"===r||\\\\"BlockStatement\\\\"===r||\\\\"BreakStatement\\\\"===r||\\\\"ContinueStatement\\\\"===r||\\\\"DebuggerStatement\\\\"===r||\\\\"DoWhileStatement\\\\"===r||\\\\"EmptyStatement\\\\"===r||\\\\"ExpressionStatement\\\\"===r||\\\\"ForInStatement\\\\"===r||\\\\"ForStatement\\\\"===r||\\\\"FunctionDeclaration\\\\"===r||\\\\"IfStatement\\\\"===r||\\\\"LabeledStatement\\\\"===r||\\\\"ReturnStatement\\\\"===r||\\\\"SwitchStatement\\\\"===r||\\\\"ThrowStatement\\\\"

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\\===r|\\\\"TryStatement\\"===r|\\\\"VariableDeclaration\\"===r|\\\\"WhileStatement\\"===r|\\\\"WithStatement\\"
===r|\\\\"ClassDeclaration\\"===r|\\\\"ExportAllDeclaration\\"===r|\\\\"ExportDefaultDeclaration\\"===r|\\\\"Export
NamedDeclaration\\"===r|\\\\"ForOfStatement\\"===r|\\\\"ImportDeclaration\\"===r|\\\\"DeclareClass\\"===r|\\\\"
DeclareFunction\\"===r|\\\\"DeclareInterface\\"===r|\\\\"DeclareModule\\"===r|\\\\"DeclareModuleExports\\"===
r|\\\\"DeclareTypeAlias\\"===r|\\\\"DeclareOpaqueType\\"===r|\\\\"DeclareVariable\\"===r|\\\\"DeclareExportDecl
laration\\"===r|\\\\"DeclareExportAllDeclaration\\"===r|\\\\"InterfaceDeclaration\\"===r|\\\\"OpaqueType\\"===r|\\
\\"TypeAlias\\"===r|\\\\"EnumDeclaration\\"===r|\\\\"TSDeclareFunction\\"===r|\\\\"TSInterfaceDeclaration\\"===
=r|\\\\"TSTypeAliasDeclaration\\"===r|\\\\"TSEnumDeclaration\\"===r|\\\\"TSModuleDeclaration\\"===r|\\\\"TSIm
portEqualsDeclaration\\"===r|\\\\"TSExportAssignment\\"===r|\\\\"TSNamespaceExportDeclaration\\"===r|\\\\"Pl
aceholder\\"===r&&|\\\\"Statement\\"===e.expectedNode|\\\\"Declaration\\"===e.expectedNode|\\\\"BlockStateme
nt\\"===e.expectedNode))return void
0===t|(0,i.default)(e,t);return!1},t.isTerminatorless=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Terminatorless\\"===r|\\\\"BreakStatement\\"===r|\\\\"ContinueStatement\\"===r|\\\\"ReturnStateme
nt\\"===r|\\\\"ThrowStatement\\"===r|\\\\"YieldExpression\\"===r|\\\\"AwaitExpression\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isCompletionStatement=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"CompletionStatement\\"===r|\\\\"BreakStatement\\"===r|\\\\"ContinueStatement\\"===r|\\\\"ReturnS
tatement\\"===r|\\\\"ThrowStatement\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isConditional=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Conditional\\"===r|\\\\"ConditionalExpression\\"===r|\\\\"IfStatement\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isLoop=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Loop\\"===r|\\\\"DoWhileStatement\\"===r|\\\\"ForInStatement\\"===r|\\\\"ForStatement\\"===r|\\
\\"WhileStatement\\"===r|\\\\"ForOfStatement\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isWhile=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"While\\"===r|\\\\"DoWhileStatement\\"===r|\\\\"WhileStatement\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isExpressionWrapper=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"ExpressionWrapper\\"===r|\\\\"ExpressionStatement\\"===r|\\\\"ParenthesizedExpression\\"===r|\\
\\"TypeCastExpression\\"===r)return void 0===t|(0,i.default)(e,t);return!1},t.isFor=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"For\\"===r|\\\\"ForInStatement\\"===r|\\\\"ForStatement\\"===r|\\\\"ForOfStatement\\"===r)return
void 0===t|(0,i.default)(e,t);return!1},t.isForXStatement=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"ForXStatement\\"===r|\\\\"ForInStatement\\"===r|\\\\"ForOfStatement\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isFunction=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Function\\"===r|\\\\"FunctionDeclaration\\"===r|\\\\"FunctionExpression\\"===r|\\\\"ObjectMethod\\
\\"===r|\\\\"ArrowFunctionExpression\\"===r|\\\\"ClassMethod\\"===r|\\\\"ClassPrivateMethod\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isFunctionParent=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"FunctionParent\\"===r|\\\\"FunctionDeclaration\\"===r|\\\\"FunctionExpression\\"===r|\\\\"ObjectM
ethod\\"===r|\\\\"ArrowFunctionExpression\\"===r|\\\\"ClassMethod\\"===r|\\\\"ClassPrivateMethod\\"===r)retur
n void 0===t|(0,i.default)(e,t);return!1},t.isPureish=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Pureish\\"===r|\\\\"FunctionDeclaration\\"===r|\\\\"FunctionExpression\\"===r|\\\\"StringLiteral\\"=
=r|\\\\"NumericLiteral\\"===r|\\\\"NullLiteral\\"===r|\\\\"BooleanLiteral\\"===r|\\\\"RegExpLiteral\\"===r|\\\\"Arr
owFunctionExpression\\"===r|\\\\"BigIntLiteral\\"===r|\\\\"DecimalLiteral\\"===r|\\\\"Placeholder\\"===r&&|\\\\"S
tringLiteral\\"===e.expectedNode)return void
0===t|(0,i.default)(e,t);return!1},t.isDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Declaration\\"===r|\\\\"FunctionDeclaration\\"===r|\\\\"VariableDeclaration\\"===r|\\\\"ClassDecla
ration\\"===r|\\\\"ExportAllDeclaration\\"===r|\\\\"ExportDefaultDeclaration\\"===r|\\\\"ExportNamedDeclaration\\
\\"===r|\\\\"ImportDeclaration\\"===r|\\\\"DeclareClass\\"===r|\\\\"DeclareFunction\\"===r|\\\\"DeclareInterface\\"=
=r|\\\\"DeclareModule\\"===r|\\\\"DeclareModuleExports\\"===r|\\\\"DeclareTypeAlias\\"===r|\\\\"DeclareOpaqu
eType\\"===r|\\\\"DeclareVariable\\"===r|\\\\"DeclareExportDeclaration\\"===r|\\\\"DeclareExportAllDeclaration\\
\\"===r|\\\\"InterfaceDeclaration\\"===r|\\\\"OpaqueType\\"===r|\\\\"TypeAlias\\"===r|\\\\"EnumDeclaration\\"===

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r|\\\\"TSDeclareFunction\\\\"===r|\\\\"TSInterfaceDeclaration\\\\"===r|\\\\"TSTypeAliasDeclaration\\\\"===r|\\\\"TSEnumDeclaration\\\\"===r|\\\\"TSMODULEDECLARATION\\\\"===r|\\\\"Placeholder\\\\"===r&&\\\\"Declaration\\\\"===e.expectedNode)return void 0===t|(0,i.default)(e,t);return!1},t.isPatternLike=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"PatternLike\\\\"===r|\\\\"Identifier\\\\"===r|\\\\"RestElement\\\\"===r|\\\\"AssignmentPattern\\\\"===r|\\\\"ArrayPattern\\\\"===r|\\\\"ObjectPattern\\\\"===r|\\\\"Placeholder\\\\"===r&&(\\\\"Pattern\\\\"===e.expectedNode|\\\\"Identifier\\\\"===e.expectedNode))return void 0===t|(0,i.default)(e,t);return!1},t.isLVal=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"LVal\\\\"===r|\\\\"Identifier\\\\"===r|\\\\"MemberExpression\\\\"===r|\\\\"RestElement\\\\"===r|\\\\"AssignmentPattern\\\\"===r|\\\\"ArrayPattern\\\\"===r|\\\\"ObjectPattern\\\\"===r|\\\\"TSParameterProperty\\\\"===r|\\\\"Placeholder\\\\"===r&&(\\\\"Pattern\\\\"===e.expectedNode|\\\\"Identifier\\\\"===e.expectedNode))return void 0===t|(0,i.default)(e,t);return!1},t.isTSEntityName=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"TSEntityName\\\\"===r|\\\\"Identifier\\\\"===r|\\\\"TSQualifiedName\\\\"===r|\\\\"Placeholder\\\\"===r&&\\\\"Identifier\\\\"===e.expectedNode)return void 0===t|(0,i.default)(e,t);return!1},t.isLiteral=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"Literal\\\\"===r|\\\\"StringLiteral\\\\"===r|\\\\"NumericLiteral\\\\"===r|\\\\"NullLiteral\\\\"===r|\\\\"BooleanLiteral\\\\"===r|\\\\"RegExpLiteral\\\\"===r|\\\\"TemplateLiteral\\\\"===r|\\\\"BigIntLiteral\\\\"===r|\\\\"DecimalLiteral\\\\"===r|\\\\"Placeholder\\\\"===r&&\\\\"StringLiteral\\\\"===e.expectedNode)return void 0===t|(0,i.default)(e,t);return!1},t.isImmutable=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"Immutable\\\\"===r|\\\\"StringLiteral\\\\"===r|\\\\"NumericLiteral\\\\"===r|\\\\"NullLiteral\\\\"===r|\\\\"BooleanLiteral\\\\"===r|\\\\"BigIntLiteral\\\\"===r|\\\\"JSXAttribute\\\\"===r|\\\\"JSXClosingElement\\\\"===r|\\\\"JSXElement\\\\"===r|\\\\"JSXExpressionContainer\\\\"===r|\\\\"JSXSpreadChild\\\\"===r|\\\\"JSXOpeningElement\\\\"===r|\\\\"JSXText\\\\"===r|\\\\"JSXFragment\\\\"===r|\\\\"JSXOpeningFragment\\\\"===r|\\\\"JSXClosingFragment\\\\"===r|\\\\"DecimalLiteral\\\\"===r|\\\\"Placeholder\\\\"===r&&\\\\"StringLiteral\\\\"===e.expectedNode)return void 0===t|(0,i.default)(e,t);return!1},t.isUserWhitespacable=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"UserWhitespacable\\\\"===r|\\\\"ObjectMethod\\\\"===r|\\\\"ObjectProperty\\\\"===r|\\\\"ObjectTypeInternalSlot\\\\"===r|\\\\"ObjectTypeCallProperty\\\\"===r|\\\\"ObjectTypeIndexer\\\\"===r|\\\\"ObjectTypeProperty\\\\"===r|\\\\"ObjectTypeSpreadProperty\\\\"===r)return void 0===t|(0,i.default)(e,t);return!1},t.isMethod=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"Method\\\\"===r|\\\\"ObjectMethod\\\\"===r|\\\\"ClassMethod\\\\"===r|\\\\"ClassPrivateMethod\\\\"===r)return void 0===t|(0,i.default)(e,t);return!1},t.isObjectMember=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"ObjectMember\\\\"===r|\\\\"ObjectMethod\\\\"===r|\\\\"ObjectProperty\\\\"===r)return void 0===t|(0,i.default)(e,t);return!1},t.isProperty=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"Property\\\\"===r|\\\\"ObjectProperty\\\\"===r|\\\\"ClassProperty\\\\"===r|\\\\"ClassPrivateProperty\\\\"===r)return void 0===t|(0,i.default)(e,t);return!1},t.isUnaryLike=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"UnaryLike\\\\"===r|\\\\"UnaryExpression\\\\"===r|\\\\"SpreadElement\\\\"===r)return void 0===t|(0,i.default)(e,t);return!1},t.isPattern=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"Pattern\\\\"===r|\\\\"AssignmentPattern\\\\"===r|\\\\"ArrayPattern\\\\"===r|\\\\"ObjectPattern\\\\"===r|\\\\"Placeholder\\\\"===r&&\\\\"Pattern\\\\"===e.expectedNode)return void 0===t|(0,i.default)(e,t);return!1},t.isClass=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"Class\\\\"===r|\\\\"ClassExpression\\\\"===r|\\\\"ClassDeclaration\\\\"===r)return void 0===t|(0,i.default)(e,t);return!1},t.isModuleDeclaration=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"ModuleDeclaration\\\\"===r|\\\\"ExportAllDeclaration\\\\"===r|\\\\"ExportDefaultDeclaration\\\\"===r|\\\\"ExportNamedDeclaration\\\\"===r|\\\\"ImportDeclaration\\\\"===r)return void 0===t|(0,i.default)(e,t);return!1},t.isExportDeclaration=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"ExportDeclaration\\\\"===r|\\\\"ExportAllDeclaration\\\\"===r|\\\\"ExportDefaultDeclaration\\\\"===r|\\\\"ExportNamedDeclaration\\\\"===r)return void 0===t|(0,i.default)(e,t);return!1},t.isModuleSpecifier=function(e,t){if(!e)return!1;const r=e.type;if(\\\\"ModuleSpecifier\\\\"===r|\\\\"ExportSpecifier\\\\"===r|\\\\"ImportDefaultSpecifier\\\\"===r|\\\\"ImportNa

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namespaceSpecifier\\\\"===r|\\\\"ImportSpecifier\\\\"===r|\\\\"ExportNamespaceSpecifier\\\\"===r|\\\\"ExportDefaultSpec
ifier\\\\"===r)return void 0===t|(0,i.default)(e,t);return!1},t.isFlow=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Flow\\\\"===r|\\\\"AnyTypeAnnotation\\\\"===r|\\\\"ArrayTypeAnnotation\\\\"===r|\\\\"BooleanTypeAn
notation\\\\"===r|\\\\"BooleanLiteralTypeAnnotation\\\\"===r|\\\\"NullLiteralTypeAnnotation\\\\"===r|\\\\"ClassImple
ments\\\\"===r|\\\\"DeclareClass\\\\"===r|\\\\"DeclareFunction\\\\"===r|\\\\"DeclareInterface\\\\"===r|\\\\"DeclareModul
e\\\\"===r|\\\\"DeclareModuleExports\\\\"===r|\\\\"DeclareTypeAlias\\\\"===r|\\\\"DeclareOpaqueType\\\\"===r|\\\\"Decl
areVariable\\\\"===r|\\\\"DeclareExportDeclaration\\\\"===r|\\\\"DeclareExportAllDeclaration\\\\"===r|\\\\"DeclaredPr
edicate\\\\"===r|\\\\"ExistsTypeAnnotation\\\\"===r|\\\\"FunctionTypeAnnotation\\\\"===r|\\\\"FunctionTypeParam\\\\"=
===r|\\\\"GenericTypeAnnotation\\\\"===r|\\\\"InferredPredicate\\\\"===r|\\\\"InterfaceExtends\\\\"===r|\\\\"InterfaceDecl
aration\\\\"===r|\\\\"InterfaceTypeAnnotation\\\\"===r|\\\\"IntersectionTypeAnnotation\\\\"===r|\\\\"MixedTypeAnnotat
ion\\\\"===r|\\\\"EmptyTypeAnnotation\\\\"===r|\\\\"NullableTypeAnnotation\\\\"===r|\\\\"NumberLiteralTypeAnnotati
on\\\\"===r|\\\\"NumberTypeAnnotation\\\\"===r|\\\\"ObjectTypeAnnotation\\\\"===r|\\\\"ObjectTypeInternalSlot\\\\"=
=r|\\\\"ObjectTypeCallProperty\\\\"===r|\\\\"ObjectTypeIndexer\\\\"===r|\\\\"ObjectTypeProperty\\\\"===r|\\\\"ObjectT
ypeSpreadProperty\\\\"===r|\\\\"OpaqueType\\\\"===r|\\\\"QualifiedTypeIdentifier\\\\"===r|\\\\"StringLiteralTypeAnnot
ation\\\\"===r|\\\\"StringTypeAnnotation\\\\"===r|\\\\"SymbolTypeAnnotation\\\\"===r|\\\\"ThisTypeAnnotation\\\\"===
r|\\\\"TupleTypeAnnotation\\\\"===r|\\\\"TypeofTypeAnnotation\\\\"===r|\\\\"TypeAlias\\\\"===r|\\\\"TypeAnnotation\\\\"
===r|\\\\"TypeCastExpression\\\\"===r|\\\\"TypeParameter\\\\"===r|\\\\"TypeParameterDeclaration\\\\"===r|\\\\"TypeP
arameterInstantiation\\\\"===r|\\\\"UnionTypeAnnotation\\\\"===r|\\\\"Variance\\\\"===r|\\\\"VoidTypeAnnotation\\\\"=
===r)return void 0===t|(0,i.default)(e,t);return!1},t.isFlowType=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"FlowType\\\\"===r|\\\\"AnyTypeAnnotation\\\\"===r|\\\\"ArrayTypeAnnotation\\\\"===r|\\\\"BooleanTyp
eAnnotation\\\\"===r|\\\\"BooleanLiteralTypeAnnotation\\\\"===r|\\\\"NullLiteralTypeAnnotation\\\\"===r|\\\\"ExistsTy
peAnnotation\\\\"===r|\\\\"FunctionTypeAnnotation\\\\"===r|\\\\"GenericTypeAnnotation\\\\"===r|\\\\"InterfaceTypeA
nnotation\\\\"===r|\\\\"IntersectionTypeAnnotation\\\\"===r|\\\\"MixedTypeAnnotation\\\\"===r|\\\\"EmptyTypeAnnota
tion\\\\"===r|\\\\"NullableTypeAnnotation\\\\"===r|\\\\"NumberLiteralTypeAnnotation\\\\"===r|\\\\"NumberTypeAnnot
ation\\\\"===r|\\\\"ObjectTypeAnnotation\\\\"===r|\\\\"StringLiteralTypeAnnotation\\\\"===r|\\\\"StringTypeAnnotation
\\\\"===r|\\\\"SymbolTypeAnnotation\\\\"===r|\\\\"ThisTypeAnnotation\\\\"===r|\\\\"TupleTypeAnnotation\\\\"===r|\\\\"
TypeofTypeAnnotation\\\\"===r|\\\\"UnionTypeAnnotation\\\\"===r|\\\\"VoidTypeAnnotation\\\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isFlowBaseAnnotation=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"FlowBaseAnnotation\\\\"===r|\\\\"AnyTypeAnnotation\\\\"===r|\\\\"BooleanTypeAnnotation\\\\"===r|\\\\"
NullLiteralTypeAnnotation\\\\"===r|\\\\"MixedTypeAnnotation\\\\"===r|\\\\"EmptyTypeAnnotation\\\\"===r|\\\\"Num
berTypeAnnotation\\\\"===r|\\\\"StringTypeAnnotation\\\\"===r|\\\\"SymbolTypeAnnotation\\\\"===r|\\\\"ThisTypeAnn
otation\\\\"===r|\\\\"VoidTypeAnnotation\\\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isFlowDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"FlowDeclaration\\\\"===r|\\\\"DeclareClass\\\\"===r|\\\\"DeclareFunction\\\\"===r|\\\\"DeclareInterface\\\\"
===r|\\\\"DeclareModule\\\\"===r|\\\\"DeclareModuleExports\\\\"===r|\\\\"DeclareTypeAlias\\\\"===r|\\\\"DeclareOpa
queType\\\\"===r|\\\\"DeclareVariable\\\\"===r|\\\\"DeclareExportDeclaration\\\\"===r|\\\\"DeclareExportAllDeclaratio
n\\\\"===r|\\\\"InterfaceDeclaration\\\\"===r|\\\\"OpaqueType\\\\"===r|\\\\"TypeAlias\\\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isFlowPredicate=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"FlowPredicate\\\\"===r|\\\\"DeclaredPredicate\\\\"===r|\\\\"InferredPredicate\\\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isEnumBody=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"EnumBody\\\\"===r|\\\\"EnumBooleanBody\\\\"===r|\\\\"EnumNumberBody\\\\"===r|\\\\"EnumStringBo
dy\\\\"===r|\\\\"EnumSymbolBody\\\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isEnumMember=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"EnumMember\\\\"===r|\\\\"EnumBooleanMember\\\\"===r|\\\\"EnumNumberMember\\\\"===r|\\\\"Enu
mStringMember\\\\"===r|\\\\"EnumDefaultedMember\\\\"===r)return void
0===t|(0,i.default)(e,t);return!1},t.isJSX=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"JSX\\\\"===r|\\\\"JSXAttribute\\\\"===r|\\\\"JSXClosingElement\\\\"===r|\\\\"JSXElement\\\\"===r|\\\\"JS
XEmptyExpression\\\\"===r|\\\\"JSXExpressionContainer\\\\"===r|\\\\"JSXSpreadChild\\\\"===r|\\\\"JSXIdentifier\\\\"=

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===r|\\\\"JSXMemberExpression\\\\"===r|\\\\"JSXNamespacedName\\\\"===r|\\\\"JSXOpeningElement\\\\"===r|\\\\"JSX
SpreadAttribute\\\\"===r|\\\\"JSXText\\\\"===r|\\\\"JSXFragment\\\\"===r|\\\\"JSXOpeningFragment\\\\"===r|\\\\"JSXCl
osingFragment\\\\"===r|return void 0===t|(0,i.default)(e,t);return!1},t.isPrivate=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"Private\\\\"===r|\\\\"ClassPrivateProperty\\\\"===r|\\\\"ClassPrivateMethod\\\\"===r|\\\\"PrivateName\\\\"
===r|return void 0===t|(0,i.default)(e,t);return!1},t.isTSTypeElement=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"TSTypeElement\\\\"===r|\\\\"TSCallSignatureDeclaration\\\\"===r|\\\\"TSConstructSignatureDeclaratio
n\\\\"===r|\\\\"TSPropertySignature\\\\"===r|\\\\"TSMethodSignature\\\\"===r|\\\\"TSIndexSignature\\\\"===r|return
void 0===t|(0,i.default)(e,t);return!1},t.isTSType=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"TSType\\\\"===r|\\\\"TSAnyKeyword\\\\"===r|\\\\"TSBooleanKeyword\\\\"===r|\\\\"TSBigIntKeyword\\\\"
\\\\"===r|\\\\"TSIntrinsicKeyword\\\\"===r|\\\\"TSNeverKeyword\\\\"===r|\\\\"TSNullKeyword\\\\"===r|\\\\"TSNumberK
eyword\\\\"===r|\\\\"TSObjectKeyword\\\\"===r|\\\\"TSStringKeyword\\\\"===r|\\\\"TSSymbolKeyword\\\\"===r|\\\\"TS
UndefinedKeyword\\\\"===r|\\\\"TSUnknownKeyword\\\\"===r|\\\\"TSVoidKeyword\\\\"===r|\\\\"TSThisType\\\\"===r
|\\\\"TSFunctionType\\\\"===r|\\\\"TSConstructorType\\\\"===r|\\\\"TSTypeReference\\\\"===r|\\\\"TSTypePredicate\\\\"
===r|\\\\"TSTypeQuery\\\\"===r|\\\\"TSTypeLiteral\\\\"===r|\\\\"TSArrayType\\\\"===r|\\\\"TSTupleType\\\\"===r|\\\\"T
SOptionalType\\\\"===r|\\\\"TSRestType\\\\"===r|\\\\"TSUnionType\\\\"===r|\\\\"TSIntersectionType\\\\"===r|\\\\"TSCo
nditionalType\\\\"===r|\\\\"TSInferType\\\\"===r|\\\\"TSParenthesizedType\\\\"===r|\\\\"TSTypeOperator\\\\"===r|\\\\"T
SIndexedAccessType\\\\"===r|\\\\"TSMappedType\\\\"===r|\\\\"TSLiteralType\\\\"===r|\\\\"TSExpressionWithTypeAr
guments\\\\"===r|\\\\"TSImportType\\\\"===r|return void
0===t|(0,i.default)(e,t);return!1},t.isTSBaseType=function(e,t){if(!e)return!1;const
r=e.type;if(\\\\"TSBaseType\\\\"===r|\\\\"TSAnyKeyword\\\\"===r|\\\\"TSBooleanKeyword\\\\"===r|\\\\"TSBigIntKeyw
ord\\\\"===r|\\\\"TSIntrinsicKeyword\\\\"===r|\\\\"TSNeverKeyword\\\\"===r|\\\\"TSNullKeyword\\\\"===r|\\\\"TSNum
berKeyword\\\\"===r|\\\\"TSObjectKeyword\\\\"===r|\\\\"TSStringKeyword\\\\"===r|\\\\"TSSymbolKeyword\\\\"===r|\\
\\\\"TSUndefinedKeyword\\\\"===r|\\\\"TSUnknownKeyword\\\\"===r|\\\\"TSVoidKeyword\\\\"===r|\\\\"TSThisType\\\\"
===r|\\\\"TSLiteralType\\\\"===r|return void
0===t|(0,i.default)(e,t);return!1},t.isNumberLiteral=function(e,t){if(console.trace(\\\\"The node type NumberLiteral
has been renamed to NumericLiteral\\\\"),!e)return!1;if(\\\\"NumberLiteral\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isRegexLiteral=function(e,t){if(console.trace(\\\\"The node type RegexLiteral has
been renamed to RegExpLiteral\\\\"),!e)return!1;if(\\\\"RegexLiteral\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isRestProperty=function(e,t){if(console.trace(\\\\"The node type RestProperty has
been renamed to RestElement\\\\"),!e)return!1;if(\\\\"RestProperty\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1},t.isSpreadProperty=function(e,t){if(console.trace(\\\\"The node type
SpreadProperty has been renamed to SpreadElement\\\\"),!e)return!1;if(\\\\"SpreadProperty\\\\"===e.type)return void
0===t|(0,i.default)(e,t);return!1};var n,i=(n=r(39))&&n.__esModule?n:{default:n}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.arrayExpression=function(e){return(0,n.default)(\\\\"
ArrayExpression\\\\",...arguments)},t.assignmentExpression=function(e,t,r){return(0,n.default)(\\\\"AssignmentExpre
ssion\\\\",...arguments)},t.binaryExpression=function(e,t,r){return(0,n.default)(\\\\"BinaryExpression\\\\",...arguments)
},t.interpreterDirective=function(e){return(0,n.default)(\\\\"InterpreterDirective\\\\",...arguments)},t.directive=functio
n(e){return(0,n.default)(\\\\"Directive\\\\",...arguments)},t.directiveLiteral=function(e){return(0,n.default)(\\\\"Directiv
eLiteral\\\\",...arguments)},t.blockStatement=function(e,t){return(0,n.default)(\\\\"BlockStatement\\\\",...arguments)},t.
breakStatement=function(e){return(0,n.default)(\\\\"BreakStatement\\\\",...arguments)},t.callExpression=function(e,t)
{return(0,n.default)(\\\\"CallExpression\\\\",...arguments)},t.catchClause=function(e,t){return(0,n.default)(\\\\"CatchCl
ause\\\\",...arguments)},t.conditionalExpression=function(e,t,r){return(0,n.default)(\\\\"ConditionalExpression\\\\",...ar
guments)},t.continueStatement=function(e){return(0,n.default)(\\\\"ContinueStatement\\\\",...arguments)},t.debuggerS
tatement=function(){return(0,n.default)(\\\\"DebuggerStatement\\\\",...arguments)},t.doWhileStatement=function(e,t){
return(0,n.default)(\\\\"DoWhileStatement\\\\",...arguments)},t.emptyStatement=function(){return(0,n.default)(\\\\"Em
ptyStatement\\\\",...arguments)},t.expressionStatement=function(e){return(0,n.default)(\\\\"ExpressionStatement\\\\",...
arguments)},t.file=function(e,t,r){return(0,n.default)(\\\\"File\\\\",...arguments)},t.forInStatement=function(e,t,r){retu
n(0,n.default)(\\\\"ForInStatement\\\\",...arguments)},t.forStatement=function(e,t,r,i){return(0,n.default)(\\\\"ForStatem

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ent("\\",...arguments)},t.functionDeclaration=function(e,t,r,i,s){return(0,n.default)(\\"FunctionDeclaration\\",...arguments)},t.functionExpression=function(e,t,r,i,s){return(0,n.default)(\\"FunctionExpression\\",...arguments)},t.identifier=function(e){return(0,n.default)(\\"Identifier\\",...arguments)},t.ifStatement=function(e,t,r){return(0,n.default)(\\"IfStatement\\",...arguments)},t.labeledStatement=function(e,t){return(0,n.default)(\\"LabeledStatement\\",...arguments)},t.stringLiteral=function(e){return(0,n.default)(\\"StringLiteral\\",...arguments)},t.numericLiteral=function(e){return(0,n.default)(\\"NumericLiteral\\",...arguments)},t.nullLiteral=function(){return(0,n.default)(\\"NullLiteral\\",...arguments)},t.booleanLiteral=function(e){return(0,n.default)(\\"BooleanLiteral\\",...arguments)},t.regExpLiteral=function(e,t){return(0,n.default)(\\"RegExpLiteral\\",...arguments)},t.logicalExpression=function(e,t,r){return(0,n.default)(\\"LogicalExpression\\",...arguments)},t.memberExpression=function(e,t,r,i){return(0,n.default)(\\"MemberExpression\\",...arguments)},t.newExpression=function(e,t){return(0,n.default)(\\"NewExpression\\",...arguments)},t.program=function(e,t,r,i){return(0,n.default)(\\"Program\\",...arguments)},t.objectExpression=function(e,t,r,i){return(0,n.default)(\\"ObjectExpression\\",...arguments)},t.objectMethod=function(e,t,r,i,s,a,o){return(0,n.default)(\\"ObjectMethod\\",...arguments)},t.objectProperty=function(e,t,r,i,s){return(0,n.default)(\\"ObjectProperty\\",...arguments)},t.restElement=function(e,t,r,i){return(0,n.default)(\\"RestElement\\",...arguments)},t.returnStatement=function(e,t,r,i){return(0,n.default)(\\"ReturnStatement\\",...arguments)},t.sequenceExpression=function(e,t,r,i){return(0,n.default)(\\"SequenceExpression\\",...arguments)},t.parenthesizedExpression=function(e,t,r,i){return(0,n.default)(\\"ParenthesizedExpression\\",...arguments)},t.switchCase=function(e,t,r,i){return(0,n.default)(\\"SwitchCase\\",...arguments)},t.switchStatement=function(e,t,r,i){return(0,n.default)(\\"SwitchStatement\\",...arguments)},t.thisExpression=function(e,t,r,i){return(0,n.default)(\\"ThisExpression\\",...arguments)},t.throwStatement=function(e,t,r,i){return(0,n.default)(\\"ThrowStatement\\",...arguments)},t.tryStatement=function(e,t,r,i){return(0,n.default)(\\"TryStatement\\",...arguments)},t.unaryExpression=function(e,t,r,i){return(0,n.default)(\\"UnaryExpression\\",...arguments)},t.updateExpression=function(e,t,r,i){return(0,n.default)(\\"UpdateExpression\\",...arguments)},t.variableDeclaration=function(e,t,r,i){return(0,n.default)(\\"VariableDeclaration\\",...arguments)},t.variableDeclarator=function(e,t,r,i){return(0,n.default)(\\"VariableDeclarator\\",...arguments)},t.whileStatement=function(e,t,r,i){return(0,n.default)(\\"WhileStatement\\",...arguments)},t.withStatement=function(e,t,r,i){return(0,n.default)(\\"WithStatement\\",...arguments)},t.assignmentPattern=function(e,t,r,i){return(0,n.default)(\\"AssignmentPattern\\",...arguments)},t.arrayPattern=function(e,t,r,i){return(0,n.default)(\\"ArrayPattern\\",...arguments)},t.arrowFunctionExpression=function(e,t,r,i){return(0,n.default)(\\"ArrowFunctionExpression\\",...arguments)},t.classBody=function(e,t,r,i){return(0,n.default)(\\"ClassBody\\",...arguments)},t.classExpression=function(e,t,r,i){return(0,n.default)(\\"ClassExpression\\",...arguments)},t.classDeclaration=function(e,t,r,i){return(0,n.default)(\\"ClassDeclaration\\",...arguments)},t.exportAllDeclaration=function(e,t,r,i){return(0,n.default)(\\"ExportAllDeclaration\\",...arguments)},t.exportDefaultDeclaration=function(e,t,r,i){return(0,n.default)(\\"ExportDefaultDeclaration\\",...arguments)},t.exportNamedDeclaration=function(e,t,r,i){return(0,n.default)(\\"ExportNamedDeclaration\\",...arguments)},t.exportSpecifier=function(e,t,r,i){return(0,n.default)(\\"ExportSpecifier\\",...arguments)},t.forOfStatement=function(e,t,r,i){return(0,n.default)(\\"ForOfStatement\\",...arguments)},t.importDeclaration=function(e,t,r,i){return(0,n.default)(\\"ImportDeclaration\\",...arguments)},t.importDefaultSpecifier=function(e,t,r,i){return(0,n.default)(\\"ImportDefaultSpecifier\\",...arguments)},t.importNamespaceSpecifier=function(e,t,r,i){return(0,n.default)(\\"ImportNamespaceSpecifier\\",...arguments)},t.importSpecifier=function(e,t,r,i){return(0,n.default)(\\"ImportSpecifier\\",...arguments)},t.metaProperty=function(e,t,r,i){return(0,n.default)(\\"MetaProperty\\",...arguments)},t.classMethod=function(e,t,r,i,s,a,o,l){return(0,n.default)(\\"ClassMethod\\",...arguments)},t.objectPattern=function(e,t,r,i){return(0,n.default)(\\"ObjectPattern\\",...arguments)},t.spreadElement=function(e,t,r,i){return(0,n.default)(\\"SpreadElement\\",...arguments)},t.super=function(e,t,r,i){return(0,n.default)(\\"Super\\",...arguments)},t.taggedTemplateExpression=function(e,t,r,i){return(0,n.default)(\\"TaggedTemplateExpression\\",...arguments)},t.templateElement=function(e,t,r,i){return(0,n.default)(\\"TemplateElement\\",...arguments)},t.templateLiteral=function(e,t,r,i){return(0,n.default)(\\"TemplateLiteral\\",...arguments)},t.yieldExpression=function(e,t,r,i){return(0,n.default)(\\"YieldExpression\\",...arguments)},t.awaitExpression=function(e,t,r,i){return(0,n.default)(\\"AwaitExpression\\",...arguments)},t.import=function(e,t,r,i){return(0,n.default)(\\"Import\\",...arguments)},t.bigIntLiteral=function(e,t,r,i){return(0,n.default)(\\"BigIntLiteral\\",...arguments)},t.exportNamespaceSpecifier=function(e,t,r,i){return(0,n.default)(\\"ExportNamespaceSpecifier\\",...arguments)},t.optionalMemberExpression=function(e,t,r,i){return(0,n.default)(\\"OptionalMemberExpression\\",...arguments)},t.opti

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onalCallExpression=function(e,t,r){return(0,n.default)(\\"OptionalCallExpression\\",...arguments)},t.anyTypeAnnotation=function(){return(0,n.default)(\\"AnyTypeAnnotation\\",...arguments)},t.arrayTypeAnnotation=function(e){return(0,n.default)(\\"ArrayTypeAnnotation\\",...arguments)},t.booleanTypeAnnotation=function(){return(0,n.default)(\\"BooleanTypeAnnotation\\",...arguments)},t.booleanLiteralTypeAnnotation=function(e){return(0,n.default)(\\"BooleanLiteralTypeAnnotation\\",...arguments)},t.nullLiteralTypeAnnotation=function(){return(0,n.default)(\\"NullLiteralTypeAnnotation\\",...arguments)},t.classImplements=function(e,t){return(0,n.default)(\\"ClassImplements\\",...arguments)},t.createClass=function(e,t,r,i){return(0,n.default)(\\"DeclareClass\\",...arguments)},t.declareFunction=function(e){return(0,n.default)(\\"DeclareFunction\\",...arguments)},t.declareInterface=function(e,t,r,i){return(0,n.default)(\\"DeclareInterface\\",...arguments)},t.declareModule=function(e,t,r){return(0,n.default)(\\"DeclareModule\\",...arguments)},t.declareModuleExports=function(e){return(0,n.default)(\\"DeclareModuleExports\\",...arguments)},t.declareTypeAlias=function(e,t,r){return(0,n.default)(\\"DeclareTypeAlias\\",...arguments)},t.declareOpaqueType=function(e,t,r){return(0,n.default)(\\"DeclareOpaqueType\\",...arguments)},t.declareVariable=function(e){return(0,n.default)(\\"DeclareVariable\\",...arguments)},t.declareExportDeclaration=function(e,t,r){return(0,n.default)(\\"DeclareExportDeclaration\\",...arguments)},t.declareExportAllDeclaration=function(e){return(0,n.default)(\\"DeclareExportAllDeclaration\\",...arguments)},t.declaredPredicate=function(e){return(0,n.default)(\\"DeclaredPredicate\\",...arguments)},t.existsTypeAnnotation=function(){return(0,n.default)(\\"ExistsTypeAnnotation\\",...arguments)},t.functionTypeAnnotation=function(e,t,r,i){return(0,n.default)(\\"FunctionTypeAnnotation\\",...arguments)},t.functionTypeParam=function(e,t){return(0,n.default)(\\"FunctionTypeParam\\",...arguments)},t.genericTypeAnnotation=function(e,t){return(0,n.default)(\\"GenericTypeAnnotation\\",...arguments)},t.inferredPredicate=function(){return(0,n.default)(\\"InferredPredicate\\",...arguments)},t.interfaceExtends=function(e,t){return(0,n.default)(\\"InterfaceExtends\\",...arguments)},t.interfaceDeclaration=function(e,t,r,i){return(0,n.default)(\\"InterfaceDeclaration\\",...arguments)},t.interfaceTypeAnnotation=function(e,t){return(0,n.default)(\\"InterfaceTypeAnnotation\\",...arguments)},t.intersectionTypeAnnotation=function(e){return(0,n.default)(\\"IntersectionTypeAnnotation\\",...arguments)},t.mixedTypeAnnotation=function(){return(0,n.default)(\\"MixedTypeAnnotation\\",...arguments)},t.emptyTypeAnnotation=function(){return(0,n.default)(\\"EmptyTypeAnnotation\\",...arguments)},t.nullableTypeAnnotation=function(e){return(0,n.default)(\\"NullableTypeAnnotation\\",...arguments)},t.numberLiteralTypeAnnotation=function(e){return(0,n.default)(\\"NumberLiteralTypeAnnotation\\",...arguments)},t.numberTypeAnnotation=function(){return(0,n.default)(\\"NumberTypeAnnotation\\",...arguments)},t.objectTypeAnnotation=function(e,t,r,i,s){return(0,n.default)(\\"ObjectTypeAnnotation\\",...arguments)},t.objectTypeInternalSlot=function(e,t,r,i,s){return(0,n.default)(\\"ObjectTypeInternalSlot\\",...arguments)},t.objectTypeCallProperty=function(e){return(0,n.default)(\\"ObjectTypeCallProperty\\",...arguments)},t.objectTypeIndexer=function(e,t,r,i){return(0,n.default)(\\"ObjectTypeIndexer\\",...arguments)},t.objectTypeProperty=function(e,t,r){return(0,n.default)(\\"ObjectTypeProperty\\",...arguments)},t.objectTypeSpreadProperty=function(e){return(0,n.default)(\\"ObjectTypeSpreadProperty\\",...arguments)},t.opaqueType=function(e,t,r,i){return(0,n.default)(\\"OpaqueType\\",...arguments)},t.qualifiedTypeIdentifier=function(e,t){return(0,n.default)(\\"QualifiedTypeIdentifier\\",...arguments)},t.stringLiteralTypeAnnotation=function(e){return(0,n.default)(\\"StringLiteralTypeAnnotation\\",...arguments)},t.stringTypeAnnotation=function(){return(0,n.default)(\\"StringTypeAnnotation\\",...arguments)},t.symbolTypeAnnotation=function(){return(0,n.default)(\\"SymbolTypeAnnotation\\",...arguments)},t.thisTypeAnnotation=function(){return(0,n.default)(\\"ThisTypeAnnotation\\",...arguments)},t.tupleTypeAnnotation=function(e){return(0,n.default)(\\"TupleTypeAnnotation\\",...arguments)},t.typeofTypeAnnotation=function(e){return(0,n.default)(\\"TypeofTypeAnnotation\\",...arguments)},t.typeAlias=function(e,t,r){return(0,n.default)(\\"TypeAlias\\",...arguments)},t.typeAnnotation=function(e){return(0,n.default)(\\"TypeAnnotation\\",...arguments)},t.typeCastExpression=function(e,t){return(0,n.default)(\\"TypeCastExpression\\",...arguments)},t.typeParameter=function(e,t,r){return(0,n.default)(\\"TypeParameter\\",...arguments)},t.typeParameterDeclaration=function(e){return(0,n.default)(\\"TypeParameterDeclaration\\",...arguments)},t.typeParameterInstantiation=function(e){return(0,n.default)(\\"TypeParameterInstantiation\\",...arguments)},t.unionTypeAnnotation=function(e){return(0,n.default)(\\"UnionTypeAnnotation\\",...arguments)},t.variance=function(e){return(0,n.default)(\\"Variance\\",...arguments)},t.voidTypeAnnotation=function(){return(0,n.default)(\\"VoidTypeAnnotation\\",...arguments)},t.enumDeclaration=function(e,t){return(0,n.default)(\\"EnumDeclaration\\",...arguments)},t.e

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numBooleanBody=function(e){return(0,n.default)(\\"EnumBooleanBody\\",...arguments)},t.enumNumberBody=function(e){return(0,n.default)(\\"EnumNumberBody\\",...arguments)},t.enumStringBody=function(e){return(0,n.default)(\\"EnumStringBody\\",...arguments)},t.enumSymbolBody=function(e){return(0,n.default)(\\"EnumSymbolBody\\",...arguments)},t.enumBooleanMember=function(e){return(0,n.default)(\\"EnumBooleanMember\\",...arguments)},t.enumNumberMember=function(e,t){return(0,n.default)(\\"EnumNumberMember\\",...arguments)},t.enumStringMember=function(e,t){return(0,n.default)(\\"EnumStringMember\\",...arguments)},t.enumDefaultedMember=function(e){return(0,n.default)(\\"EnumDefaultedMember\\",...arguments)},t.indexedAccessType=function(e,t){return(0,n.default)(\\"IndexedAccessType\\",...arguments)},t.optionalIndexedAccessType=function(e,t){return(0,n.default)(\\"OptionalIndexedAccessType\\",...arguments)},t.jsxAttribute=t.jsxAttribute=function(e,t){return(0,n.default)(\\"JSXAttribute\\",...arguments)},t.jsxClosingElement=t.jsxClosingElement=function(e){return(0,n.default)(\\"JSXClosingElement\\",...arguments)},t.jsxElement=t.jsxElement=function(e,t,r,i){return(0,n.default)(\\"JSXElement\\",...arguments)},t.jsxEmptyExpression=t.jsxEmptyExpression=function(){return(0,n.default)(\\"JSXEmptyExpression\\",...arguments)},t.jsxExpressionContainer=t.jsxExpressionContainer=function(e){return(0,n.default)(\\"JSXExpressionContainer\\",...arguments)},t.jsxSpreadChild=t.jsxSpreadChild=function(e){return(0,n.default)(\\"JSXSpreadChild\\",...arguments)},t.jsxIdentifier=t.jsxIdentifier=function(e){return(0,n.default)(\\"JSXIdentifier\\",...arguments)},t.jsxMemberExpression=t.jsxMemberExpression=function(e,t){return(0,n.default)(\\"JSXMemberExpression\\",...arguments)},t.jsxNamespacedName=t.jsxNamespacedName=function(e,t){return(0,n.default)(\\"JSXNamespacedName\\",...arguments)},t.jsxOpeningElement=t.jsxOpeningElement=function(e,t,r){return(0,n.default)(\\"JSXOpeningElement\\",...arguments)},t.jsxSpreadAttribute=t.jsxSpreadAttribute=function(e){return(0,n.default)(\\"JSXSpreadAttribute\\",...arguments)},t.jsxText=t.jsxText=function(e){return(0,n.default)(\\"JSXText\\",...arguments)},t.jsxFragment=t.jsxFragment=function(e,t,r){return(0,n.default)(\\"JSXFragment\\",...arguments)},t.jsxOpeningFragment=t.jsxOpeningFragment=function(){return(0,n.default)(\\"JSXOpeningFragment\\",...arguments)},t.jsxClosingFragment=t.jsxClosingFragment=function(){return(0,n.default)(\\"JSXClosingFragment\\",...arguments)},t.noop=function(){return(0,n.default)(\\"Noop\\",...arguments)},t.placeholder=function(e,t){return(0,n.default)(\\"Placeholder\\",...arguments)},t.v8IntrinsicIdentifier=function(e){return(0,n.default)(\\"V8IntrinsicIdentifier\\",...arguments)},t.argumentPlaceholder=function(){return(0,n.default)(\\"ArgumentPlaceholder\\",...arguments)},t.bindExpression=function(e,t){return(0,n.default)(\\"BindExpression\\",...arguments)},t.classProperty=function(e,t,r,i,s,a){return(0,n.default)(\\"ClassProperty\\",...arguments)},t.pipelineTopicExpression=function(e){return(0,n.default)(\\"PipelineTopicExpression\\",...arguments)},t.pipelineBareFunction=function(e){return(0,n.default)(\\"PipelineBareFunction\\",...arguments)},t.pipelinePrimaryTopicReference=function(){return(0,n.default)(\\"PipelinePrimaryTopicReference\\",...arguments)},t.classPrivateProperty=function(e,t,r,i){return(0,n.default)(\\"ClassPrivateProperty\\",...arguments)},t.classPrivateMethod=function(e,t,r,i,s){return(0,n.default)(\\"ClassPrivateMethod\\",...arguments)},t.importAttribute=function(e,t){return(0,n.default)(\\"ImportAttribute\\",...arguments)},t.decorator=function(e){return(0,n.default)(\\"Decorator\\",...arguments)},t.doExpression=function(e,t){return(0,n.default)(\\"DoExpression\\",...arguments)},t.exportDefaultSpecifier=function(e){return(0,n.default)(\\"ExportDefaultSpecifier\\",...arguments)},t.privateName=function(e){return(0,n.default)(\\"PrivateName\\",...arguments)},t.recordExpression=function(e){return(0,n.default)(\\"RecordExpression\\",...arguments)},t.tupleExpression=function(e){return(0,n.default)(\\"TupleExpression\\",...arguments)},t.decimalLiteral=function(e){return(0,n.default)(\\"DecimalLiteral\\",...arguments)},t.staticBlock=function(e){return(0,n.default)(\\"StaticBlock\\",...arguments)},t.moduleExpression=function(e){return(0,n.default)(\\"ModuleExpression\\",...arguments)},t.tsParameterProperty=t.tsParameterProperty=function(e){return(0,n.default)(\\"TSParameterProperty\\",...arguments)},t.tsDeclareFunction=t.tsDeclareFunction=function(e,t,r,i){return(0,n.default)(\\"TSDeclareFunction\\",...arguments)},t.tsDeclareMethod=t.tsDeclareMethod=function(e,t,r,i,s){return(0,n.default)(\\"TSDeclareMethod\\",...arguments)},t.tsQualifiedName=t.tsQualifiedName=function(e,t){return(0,n.default)(\\"TSQualifiedName\\",...arguments)},t.tsCallSignatureDeclaration=t.tsCallSignatureDeclaration=function(e,t,r){return(0,n.default)(\\"TSCallSignatureDeclaration\\",...arguments)},t.tsConstructSignatureDeclaration=t.tsConstructSignatureDeclaration=function(e,t,r){return(0,n.default)(\\"TSConstructSignatureDeclaration\\",...arguments)},t.tsPropertySignature=t.tsPropertySignature=function(e,t,r){return(0,n.default)(\\"TSPropertySignature\\",...arguments)},t.tsMethodSignature=t.tsMethodSignature=function(e,t,r,i){return(0,n.default}

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t)(\\\\"TSMethodSignature\\\\",...arguments)},t.tSIndexSignature=t.tsIndexSignature=function(e,t){return(0,n.default)(
\\\\"TSIndexSignature\\\\",...arguments)},t.tSAnyKeyword=t.tsAnyKeyword=function(){return(0,n.default)(\\\\"TSAny
yKeyword\\\\",...arguments)},t.tSBooleanKeyword=t.tsBooleanKeyword=function(){return(0,n.default)(\\\\"TSBoole
anKeyword\\\\",...arguments)},t.tSBigIntKeyword=t.tsBigIntKeyword=function(){return(0,n.default)(\\\\"TSBigIntKe
yword\\\\",...arguments)},t.tSIntrinsicKeyword=t.tsIntrinsicKeyword=function(){return(0,n.default)(\\\\"TSIntrinsicK
eyword\\\\",...arguments)},t.tSNeverKeyword=t.tsNeverKeyword=function(){return(0,n.default)(\\\\"TSNeverKeywor
d\\\\",...arguments)},t.tSNullKeyword=t.tsNullKeyword=function(){return(0,n.default)(\\\\"TSNullKeyword\\\\",...argu
ments)},t.tSNumberKeyword=t.tsNumberKeyword=function(){return(0,n.default)(\\\\"TSNumberKeyword\\\\",...argu
ments)},t.tSObjectKeyword=t.tsObjectKeyword=function(){return(0,n.default)(\\\\"TSObjectKeyword\\\\",...argumen
ts)},t.tSStringKeyword=t.tsStringKeyword=function(){return(0,n.default)(\\\\"TSStringKeyword\\\\",...arguments)},t.t
SSymbolKeyword=t.tsSymbolKeyword=function(){return(0,n.default)(\\\\"TSSymbolKeyword\\\\",...arguments)},t.tS
UndefinedKeyword=t.tsUndefinedKeyword=function(){return(0,n.default)(\\\\"TSUndefinedKeyword\\\\",...argument
s)},t.tSUnknownKeyword=t.tsUnknownKeyword=function(){return(0,n.default)(\\\\"TSUnknownKeyword\\\\",...argu
ments)},t.tSVoidKeyword=t.tsVoidKeyword=function(){return(0,n.default)(\\\\"TSVoidKeyword\\\\",...arguments)},t
.tSThisType=t.tsThisType=function(){return(0,n.default)(\\\\"TSThisType\\\\",...arguments)},t.tSFunctionType=t.tsFu
nctionType=function(e,t,r){return(0,n.default)(\\\\"TSFunctionType\\\\",...arguments)},t.tSConstructorType=t.tsConst
ructorType=function(e,t,r){return(0,n.default)(\\\\"TSConstructorType\\\\",...arguments)},t.tSTypeReference=t.tsType
Reference=function(e,t){return(0,n.default)(\\\\"TSTypeReference\\\\",...arguments)},t.tSTypePredicate=t.tsTypePredi
cate=function(e,t,r){return(0,n.default)(\\\\"TSTypePredicate\\\\",...arguments)},t.tSTypeQuery=t.tsTypeQuery=functi
on(e){return(0,n.default)(\\\\"TSTypeQuery\\\\",...arguments)},t.tSTypeLiteral=t.tsTypeLiteral=function(e){return(0,n
.default)(\\\\"TSTypeLiteral\\\\",...arguments)},t.tSArrayType=t.tsArrayType=function(e){return(0,n.default)(\\\\"TSA
rrayType\\\\",...arguments)},t.tSTupleType=t.tsTupleType=function(e){return(0,n.default)(\\\\"TSTupleType\\\\",...arg
uments)},t.tSOptionalType=t.tsOptionalType=function(e){return(0,n.default)(\\\\"TSOptionalType\\\\",...arguments)},
t.tSRestType=t.tsRestType=function(e){return(0,n.default)(\\\\"TSRestType\\\\",...arguments)},t.tSNamedTupleMem
ber=t.tsNamedTupleMember=function(e,t,r){return(0,n.default)(\\\\"TSNamedTupleMember\\\\",...arguments)},t.tSU
nionType=t.tsUnionType=function(e){return(0,n.default)(\\\\"TSUnionType\\\\",...arguments)},t.tSIntersectionType=t
.tsIntersectionType=function(e){return(0,n.default)(\\\\"TSIntersectionType\\\\",...arguments)},t.tSConditionalType=t
.tsConditionalType=function(e,t,r,i){return(0,n.default)(\\\\"TSConditionalType\\\\",...arguments)},t.tSInferType=t.tsI
nferType=function(e){return(0,n.default)(\\\\"TSInferType\\\\",...arguments)},t.tSParenthesizedType=t.tsParenthesize
dType=function(e){return(0,n.default)(\\\\"TSParenthesizedType\\\\",...arguments)},t.tSTypeOperator=t.tsTypeOperat
or=function(e){return(0,n.default)(\\\\"TSTypeOperator\\\\",...arguments)},t.tSIndexedAccessType=t.tsIndexedAccess
Type=function(e,t){return(0,n.default)(\\\\"TSIndexedAccessType\\\\",...arguments)},t.tSMappedType=t.tsMappedTy
pe=function(e,t,r){return(0,n.default)(\\\\"TSMappedType\\\\",...arguments)},t.tSLiteralType=t.tsLiteralType=functio
n(e){return(0,n.default)(\\\\"TSLiteralType\\\\",...arguments)},t.tSExpressionWithTypeArguments=t.tsExpressionWit
hTypeArguments=function(e,t){return(0,n.default)(\\\\"TSExpressionWithTypeArguments\\\\",...arguments)},t.tSInter
faceDeclaration=t.tsInterfaceDeclaration=function(e,t,r,i){return(0,n.default)(\\\\"TSInterfaceDeclaration\\\\",...argu
ments)},t.tSInterfaceBody=t.tsInterfaceBody=function(e){return(0,n.default)(\\\\"TSInterfaceBody\\\\",...arguments)},t.t
STypeAliasDeclaration=t.tsTypeAliasDeclaration=function(e,t,r){return(0,n.default)(\\\\"TSTypeAliasDeclaration\\\\"
,...arguments)},t.tSAsExpression=t.tsAsExpression=function(e,t){return(0,n.default)(\\\\"TSAsExpression\\\\",...argu
ments)},t.tSTypeAssertion=t.tsTypeAssertion=function(e,t){return(0,n.default)(\\\\"TSTypeAssertion\\\\",...arguments
)},t.tSEnumDeclaration=t.tsEnumDeclaration=function(e,t){return(0,n.default)(\\\\"TSEnumDeclaration\\\\",...argume
nts)},t.tSEnumMember=t.tsEnumMember=function(e,t){return(0,n.default)(\\\\"TSEnumMember\\\\",...arguments)},t.t
SModuleDeclaration=t.tsModuleDeclaration=function(e,t){return(0,n.default)(\\\\"TSModuleDeclaration\\\\",...argu
ments)},t.tSModuleBlock=t.tsModuleBlock=function(e){return(0,n.default)(\\\\"TSModuleBlock\\\\",...arguments)},t.t
SImportType=t.tsImportType=function(e,t,r){return(0,n.default)(\\\\"TSImportType\\\\",...arguments)},t.tSImportEqu
alsDeclaration=t.tsImportEqualsDeclaration=function(e,t){return(0,n.default)(\\\\"TSImportEqualsDeclaration\\\\",...a
rguments)},t.tSExternalModuleReference=t.tsExternalModuleReference=function(e){return(0,n.default)(\\\\"TSExter
nalModuleReference\\\\",...arguments)},t.tSNonNullExpression=t.tsNonNullExpression=function(e){return(0,n.defau

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It)(\\\\"TSNonNullExpression\\\\",...arguments)},t.tsExportAssignment=t.tsExportAssignment=function(e){return(0,n
.default)(\\\\"TSExportAssignment\\\\",...arguments)},t.tsNamespaceExportDeclaration=t.tsNamespaceExportDeclara
tion=function(e){return(0,n.default)(\\\\"TSNamespaceExportDeclaration\\\\",...arguments)},t.tsTypeAnnotation=t.ts
TypeAnnotation=function(e){return(0,n.default)(\\\\"TSTypeAnnotation\\\\",...arguments)},t.tsTypeParameterInstanti
ation=t.tsTypeParameterInstantiation=function(e){return(0,n.default)(\\\\"TSTypeParameterInstantiation\\\\",...argume
nts)},t.tsTypeParameterDeclaration=t.tsTypeParameterDeclaration=function(e){return(0,n.default)(\\\\"TSTypePara
meterDeclaration\\\\",...arguments)},t.tsTypeParameter=t.tsTypeParameter=function(e,t,r){return(0,n.default)(\\\\"TS
TypeParameter\\\\",...arguments)},t.numberLiteral=function(...e){return console.trace(\\\\"The node type
NumberLiteral has been renamed to
NumericLiteral\\\\"),(0,n.default)(\\\\"NumberLiteral\\\\",...e)},t.regexLiteral=function(...e){return
console.trace(\\\\"The node type RegexLiteral has been renamed to
RegExpLiteral\\\\"),(0,n.default)(\\\\"RegexLiteral\\\\",...e)},t.restProperty=function(...e){return console.trace(\\\\"The
node type RestProperty has been renamed to
RestElement\\\\"),(0,n.default)(\\\\"RestProperty\\\\",...e)},t.spreadProperty=function(...e){return console.trace(\\\\"The
node type SpreadProperty has been renamed to SpreadElement\\\\"),(0,n.default)(\\\\"SpreadProperty\\\\",...e)};var
n=r(268)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.ArrayExpression=t.arrayExpression=function(...e)
{return(0,i.default)(\\\\"ArrayExpression\\\\",...e)},t.AssignmentExpression=t.assignmentExpression=function(...e){ret
urn(0,i.default)(\\\\"AssignmentExpression\\\\",...e)},t.BinaryExpression=t.binaryExpression=function(...e){return(0,i
.default)(\\\\"BinaryExpression\\\\",...e)},t.InterpreterDirective=t.interpreterDirective=function(...e){return(0,i.default)(
\\\\"InterpreterDirective\\\\",...e)},t.Directive=t.directive=function(...e){return(0,i.default)(\\\\"Directive\\\\",...e)},t.Dire
ctiveLiteral=t.directiveLiteral=function(...e){return(0,i.default)(\\\\"DirectiveLiteral\\\\",...e)},t.BlockStatement=t.bloc
kStatement=function(...e){return(0,i.default)(\\\\"BlockStatement\\\\",...e)},t.BreakStatement=t.breakStatement=functi
on(...e){return(0,i.default)(\\\\"BreakStatement\\\\",...e)},t.CallExpression=t.callExpression=function(...e){return(0,i.d
efault)(\\\\"CallExpression\\\\",...e)},t.CatchClause=t.catchClause=function(...e){return(0,i.default)(\\\\"CatchClause\\\\"
,...e)},t.ConditionalExpression=t.conditionalExpression=function(...e){return(0,i.default)(\\\\"ConditionalExpression\\
\\\\",...e)},t.ContinueStatement=t.continueStatement=function(...e){return(0,i.default)(\\\\"ContinueStatement\\\\",...e)},
t.DebuggerStatement=t.debuggerStatement=function(...e){return(0,i.default)(\\\\"DebuggerStatement\\\\",...e)},t.DoW
hileStatement=t.doWhileStatement=function(...e){return(0,i.default)(\\\\"DoWhileStatement\\\\",...e)},t.EmptyStateme
nt=t.emptyStatement=function(...e){return(0,i.default)(\\\\"EmptyStatement\\\\",...e)},t.ExpressionStatement=t.express
ionStatement=function(...e){return(0,i.default)(\\\\"ExpressionStatement\\\\",...e)},t.File=t.file=function(...e){return(0,
i.default)(\\\\"File\\\\",...e)},t.ForInStatement=t.forInStatement=function(...e){return(0,i.default)(\\\\"ForInStatement\\\\"
,...e)},t.ForStatement=t.forStatement=function(...e){return(0,i.default)(\\\\"ForStatement\\\\",...e)},t.FunctionDeclarati
on=t.functionDeclaration=function(...e){return(0,i.default)(\\\\"FunctionDeclaration\\\\",...e)},t.FunctionExpression=t.
functionExpression=function(...e){return(0,i.default)(\\\\"FunctionExpression\\\\",...e)},t.Identifier=t.identifier=functi
on(...e){return(0,i.default)(\\\\"Identifier\\\\",...e)},t.IfStatement=t.ifStatement=function(...e){return(0,i.default)(\\\\"IfS
tatement\\\\",...e)},t.LabeledStatement=t.labeledStatement=function(...e){return(0,i.default)(\\\\"LabeledStatement\\\\"
,...e)},t.StringLiteral=t.stringLiteral=function(...e){return(0,i.default)(\\\\"StringLiteral\\\\",...e)},t.NumericLiteral=t.nu
mericLiteral=function(...e){return(0,i.default)(\\\\"NumericLiteral\\\\",...e)},t.NullLiteral=t.nullLiteral=function(...e){r
eturn(0,i.default)(\\\\"NullLiteral\\\\",...e)},t.BooleanLiteral=t.booleanLiteral=function(...e){return(0,i.default)(\\\\"Boo
leanLiteral\\\\",...e)},t.RegExpLiteral=t.regexLiteral=function(...e){return(0,i.default)(\\\\"RegExpLiteral\\\\",...e)},t.
LogicalExpression=t.logicalExpression=function(...e){return(0,i.default)(\\\\"LogicalExpression\\\\",...e)},t.MemberE
xpression=t.memberExpression=function(...e){return(0,i.default)(\\\\"MemberExpression\\\\",...e)},t.NewExpression=
t.newExpression=function(...e){return(0,i.default)(\\\\"NewExpression\\\\",...e)},t.Program=t.program=function(...e){r
eturn(0,i.default)(\\\\"Program\\\\",...e)},t.ObjectExpression=t.objectExpression=function(...e){return(0,i.default)(\\\\"
ObjectExpression\\\\",...e)},t.ObjectMethod=t.objectMethod=function(...e){return(0,i.default)(\\\\"ObjectMethod\\\\",...
e)},t.ObjectProperty=t.objectProperty=function(...e){return(0,i.default)(\\\\"ObjectProperty\\\\",...e)},t.RestElement=t.
restElement=function(...e){return(0,i.default)(\\\\"RestElement\\\\",...e)},t.ReturnStatement=t.returnStatement=functio

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n(...e){return(0,i.default)(\\"ReturnStatement\\",...e)},t.SequenceExpression=t.sequenceExpression=function(...e){return(0,i.default)(\\"SequenceExpression\\",...e)},t.ParenthesizedExpression=t.parenthesizedExpression=function(...e){return(0,i.default)(\\"ParenthesizedExpression\\",...e)},t.SwitchCase=t.switchCase=function(...e){return(0,i.default)(\\"SwitchCase\\",...e)},t.SwitchStatement=t.switchStatement=function(...e){return(0,i.default)(\\"SwitchStatement\\",...e)},t.ThisExpression=t.thisExpression=function(...e){return(0,i.default)(\\"ThisExpression\\",...e)},t.ThrowStatement=t.throwStatement=function(...e){return(0,i.default)(\\"ThrowStatement\\",...e)},t.TryStatement=t.tryStatement=function(...e){return(0,i.default)(\\"TryStatement\\",...e)},t.UnaryExpression=t.unaryExpression=function(...e){return(0,i.default)(\\"UnaryExpression\\",...e)},t.UpdateExpression=t.updateExpression=function(...e){return(0,i.default)(\\"UpdateExpression\\",...e)},t.VariableDeclaration=t.variableDeclaration=function(...e){return(0,i.default)(\\"VariableDeclaration\\",...e)},t.VariableDeclarator=t.variableDeclarator=function(...e){return(0,i.default)(\\"VariableDeclarator\\",...e)},t.WhileStatement=t.whileStatement=function(...e){return(0,i.default)(\\"WhileStatement\\",...e)},t.WithStatement=t.withStatement=function(...e){return(0,i.default)(\\"WithStatement\\",...e)},t.AssignmentPattern=t.assignmentPattern=function(...e){return(0,i.default)(\\"AssignmentPattern\\",...e)},t.ArrayPattern=t.arrayPattern=function(...e){return(0,i.default)(\\"ArrayPattern\\",...e)},t.ArrowFunctionExpression=t.arrowFunctionExpression=function(...e){return(0,i.default)(\\"ArrowFunctionExpression\\",...e)},t.ClassBody=t.classBody=function(...e){return(0,i.default)(\\"ClassBody\\",...e)},t.ClassExpression=t.classExpression=function(...e){return(0,i.default)(\\"ClassExpression\\",...e)},t.ClassDeclaration=t.classDeclaration=function(...e){return(0,i.default)(\\"ClassDeclaration\\",...e)},t.ExportAllDeclaration=t.exportAllDeclaration=function(...e){return(0,i.default)(\\"ExportAllDeclaration\\",...e)},t.ExportDefaultDeclaration=t.exportDefaultDeclaration=function(...e){return(0,i.default)(\\"ExportDefaultDeclaration\\",...e)},t.ExportNamedDeclaration=t.exportNamedDeclaration=function(...e){return(0,i.default)(\\"ExportNamedDeclaration\\",...e)},t.ExportSpecifier=t.exportSpecifier=function(...e){return(0,i.default)(\\"ExportSpecifier\\",...e)},t.ForOfStatement=t.forOfStatement=function(...e){return(0,i.default)(\\"ForOfStatement\\",...e)},t.ImportDeclaration=t.importDeclaration=function(...e){return(0,i.default)(\\"ImportDeclaration\\",...e)},t.ImportDefaultSpecifier=t.importDefaultSpecifier=function(...e){return(0,i.default)(\\"ImportDefaultSpecifier\\",...e)},t.ImportNamespaceSpecifier=t.importNamespaceSpecifier=function(...e){return(0,i.default)(\\"ImportNamespaceSpecifier\\",...e)},t.ImportSpecifier=t.importSpecifier=function(...e){return(0,i.default)(\\"ImportSpecifier\\",...e)},t.MetaProperty=t.metaProperty=function(...e){return(0,i.default)(\\"MetaProperty\\",...e)},t.ClassMethod=t.classMethod=function(...e){return(0,i.default)(\\"ClassMethod\\",...e)},t.ObjectPattern=t.objectPattern=function(...e){return(0,i.default)(\\"ObjectPattern\\",...e)},t.SpreadElement=t.spreadElement=function(...e){return(0,i.default)(\\"SpreadElement\\",...e)},t.super=t.super=function(...e){return(0,i.default)(\\"Super\\",...e)},t.TaggedTemplateExpression=t.taggedTemplateExpression=function(...e){return(0,i.default)(\\"TaggedTemplateExpression\\",...e)},t.TemplateElement=t.templateElement=function(...e){return(0,i.default)(\\"TemplateElement\\",...e)},t.TemplateLiteral=t.templateLiteral=function(...e){return(0,i.default)(\\"TemplateLiteral\\",...e)},t.YieldExpression=t.yieldExpression=function(...e){return(0,i.default)(\\"YieldExpression\\",...e)},t.AwaitExpression=t.awaitExpression=function(...e){return(0,i.default)(\\"AwaitExpression\\",...e)},t.import=t.Import=function(...e){return(0,i.default)(\\"Import\\",...e)},t.BigIntLiteral=t.bigIntLiteral=function(...e){return(0,i.default)(\\"BigIntLiteral\\",...e)},t.ExportNamespaceSpecifier=t.exportNamespaceSpecifier=function(...e){return(0,i.default)(\\"ExportNamespaceSpecifier\\",...e)},t.OptionalMemberExpression=t.optionalMemberExpression=function(...e){return(0,i.default)(\\"OptionalMemberExpression\\",...e)},t.OptionalCallExpression=t.optionalCallExpression=function(...e){return(0,i.default)(\\"OptionalCallExpression\\",...e)},t.AnyTypeAnnotation=t.anyTypeAnnotation=function(...e){return(0,i.default)(\\"AnyTypeAnnotation\\",...e)},t.ArrayTypeAnnotation=t.arrayTypeAnnotation=function(...e){return(0,i.default)(\\"ArrayTypeAnnotation\\",...e)},t.BooleanTypeAnnotation=t.booleanTypeAnnotation=function(...e){return(0,i.default)(\\"BooleanTypeAnnotation\\",...e)},t.BooleanLiteralTypeAnnotation=t.booleanLiteralTypeAnnotation=function(...e){return(0,i.default)(\\"BooleanLiteralTypeAnnotation\\",...e)},t.NullLiteralTypeAnnotation=t.nullLiteralTypeAnnotation=function(...e){return(0,i.default)(\\"NullLiteralTypeAnnotation\\",...e)},t.ClassImplements=t.classImplements=function(...e){return(0,i.default)(\\"ClassImplements\\",...e)},t.DeclareClass=t.declareClass=function(...e){return(0,i.default)(\\"DeclareClass\\",...e)},t.DeclareFunction=t.declareFunction=function(...e){return(0,i.default)(\\"DeclareFunction\\",...e)},t.DeclareInterface=t.declareInterface=function(...e){return(0,i.default)(\\"DeclareInterface\\",...e)},t.DeclareModule=t.declar

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eModule=function(...e){return(0,i.default)(\\"DeclareModule\\",...e)},t.DeclareModuleExports=t.declareModuleExports=function(...e){return(0,i.default)(\\"DeclareModuleExports\\",...e)},t.DeclareTypeAlias=t.declareTypeAlias=function(...e){return(0,i.default)(\\"DeclareTypeAlias\\",...e)},t.DeclareOpaqueType=t.declareOpaqueType=function(...e){return(0,i.default)(\\"DeclareOpaqueType\\",...e)},t.DeclareVariable=t.declareVariable=function(...e){return(0,i.default)(\\"DeclareVariable\\",...e)},t.DeclareExportDeclaration=t.declareExportDeclaration=function(...e){return(0,i.default)(\\"DeclareExportDeclaration\\",...e)},t.DeclareExportAllDeclaration=t.declareExportAllDeclaration=function(...e){return(0,i.default)(\\"DeclareExportAllDeclaration\\",...e)},t.DeclaredPredicate=t.declaredPredicate=function(...e){return(0,i.default)(\\"DeclaredPredicate\\",...e)},t.ExistsTypeAnnotation=t.existsTypeAnnotation=function(...e){return(0,i.default)(\\"ExistsTypeAnnotation\\",...e)},t.FunctionTypeAnnotation=t.functionTypeAnnotation=function(...e){return(0,i.default)(\\"FunctionTypeAnnotation\\",...e)},t.FunctionTypeParam=t.functionTypeParam=function(...e){return(0,i.default)(\\"FunctionTypeParam\\",...e)},t.GenericTypeAnnotation=t.genericTypeAnnotation=function(...e){return(0,i.default)(\\"GenericTypeAnnotation\\",...e)},t.InferredPredicate=t.inferredPredicate=function(...e){return(0,i.default)(\\"InferredPredicate\\",...e)},t.InterfaceExtends=t.interfaceExtends=function(...e){return(0,i.default)(\\"InterfaceExtends\\",...e)},t.InterfaceDeclaration=t.interfaceDeclaration=function(...e){return(0,i.default)(\\"InterfaceDeclaration\\",...e)},t.InterfaceTypeAnnotation=t.interfaceTypeAnnotation=function(...e){return(0,i.default)(\\"InterfaceTypeAnnotation\\",...e)},t.IntersectionTypeAnnotation=t.intersectionTypeAnnotation=function(...e){return(0,i.default)(\\"IntersectionTypeAnnotation\\",...e)},t.MixedTypeAnnotation=t.mixedTypeAnnotation=function(...e){return(0,i.default)(\\"MixedTypeAnnotation\\",...e)},t.EmptyTypeAnnotation=t.emptyTypeAnnotation=function(...e){return(0,i.default)(\\"EmptyTypeAnnotation\\",...e)},t.NullableTypeAnnotation=t.nullableTypeAnnotation=function(...e){return(0,i.default)(\\"NullableTypeAnnotation\\",...e)},t.NumberLiteralTypeAnnotation=t.numberLiteralTypeAnnotation=function(...e){return(0,i.default)(\\"NumberLiteralTypeAnnotation\\",...e)},t.NumberTypeAnnotation=t.numberTypeAnnotation=function(...e){return(0,i.default)(\\"NumberTypeAnnotation\\",...e)},t.ObjectTypeAnnotation=t.objectTypeAnnotation=function(...e){return(0,i.default)(\\"ObjectTypeAnnotation\\",...e)},t.ObjectTypeInternalSlot=t.objectTypeInternalSlot=function(...e){return(0,i.default)(\\"ObjectTypeInternalSlot\\",...e)},t.ObjectTypeCallProperty=t.objectTypeCallProperty=function(...e){return(0,i.default)(\\"ObjectTypeCallProperty\\",...e)},t.ObjectTypeIndexer=t.objectTypeIndexer=function(...e){return(0,i.default)(\\"ObjectTypeIndexer\\",...e)},t.ObjectTypeProperty=t.objectTypeProperty=function(...e){return(0,i.default)(\\"ObjectTypeProperty\\",...e)},t.ObjectTypeSpreadProperty=t.objectTypeSpreadProperty=function(...e){return(0,i.default)(\\"ObjectTypeSpreadProperty\\",...e)},t.OpaqueType=t.opaqueType=function(...e){return(0,i.default)(\\"OpaqueType\\",...e)},t.QualifiedTypeIdentifier=t.qualifiedTypeIdentifier=function(...e){return(0,i.default)(\\"QualifiedTypeIdentifier\\",...e)},t.StringLiteralTypeAnnotation=t.stringLiteralTypeAnnotation=function(...e){return(0,i.default)(\\"StringLiteralTypeAnnotation\\",...e)},t.StringTypeAnnotation=t.stringTypeAnnotation=function(...e){return(0,i.default)(\\"StringTypeAnnotation\\",...e)},t.SymbolTypeAnnotation=t.symbolTypeAnnotation=function(...e){return(0,i.default)(\\"SymbolTypeAnnotation\\",...e)},t.ThisTypeAnnotation=t.thisTypeAnnotation=function(...e){return(0,i.default)(\\"ThisTypeAnnotation\\",...e)},t.TupleTypeAnnotation=t.tupleTypeAnnotation=function(...e){return(0,i.default)(\\"TupleTypeAnnotation\\",...e)},t.TypeOfTypeAnnotation=t.typeofTypeAnnotation=function(...e){return(0,i.default)(\\"TypeofTypeAnnotation\\",...e)},t.TypeAlias=t.typeAlias=function(...e){return(0,i.default)(\\"TypeAlias\\",...e)},t.TypeAnnotation=t.typeAnnotation=function(...e){return(0,i.default)(\\"TypeAnnotation\\",...e)},t.TypeCastExpression=t.typeCastExpression=function(...e){return(0,i.default)(\\"TypeCastExpression\\",...e)},t.TypeParameter=t.typeParameter=function(...e){return(0,i.default)(\\"TypeParameter\\",...e)},t.TypeParameterDeclaration=t.typeParameterDeclaration=function(...e){return(0,i.default)(\\"TypeParameterDeclaration\\",...e)},t.TypeParameterInstantiation=t.typeParameterInstantiation=function(...e){return(0,i.default)(\\"TypeParameterInstantiation\\",...e)},t.UnionTypeAnnotation=t.unionTypeAnnotation=function(...e){return(0,i.default)(\\"UnionTypeAnnotation\\",...e)},t.Variance=t.variance=function(...e){return(0,i.default)(\\"Variance\\",...e)},t.VoidTypeAnnotation=t.voidTypeAnnotation=function(...e){return(0,i.default)(\\"VoidTypeAnnotation\\",...e)},t.EnumDeclaration=t.enumDeclaration=function(...e){return(0,i.default)(\\"EnumDeclaration\\",...e)},t.EnumBooleanBody=t.enumBooleanBody=function(...e){return(0,i.default)(\\"EnumBooleanBody\\",...e)},t.EnumNumberBody=t.enumNumberBody=function(...e){return(0,i.default)(\\"EnumNumberBody\\",...e)},t.EnumStringBody=t.enumStringBody=function(...e){return(0,i.default)(\\"EnumStringBody\\",...e)},t.EnumStringBody=t.enumStringBody=function(...e){return(0,i.default)(\\"EnumStringBody\\",...e)}
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ringBody\\",...e)},t.EnumSymbolBody=t.enumSymbolBody=function(...e){return(0,i.default)(\\"EnumSymbolBody\\",...e)},t.EnumBooleanMember=t.enumBooleanMember=function(...e){return(0,i.default)(\\"EnumBooleanMember\\",...e)},t.EnumNumberMember=t.enumNumberMember=function(...e){return(0,i.default)(\\"EnumNumberMember\\",...e)},t.EnumStringMember=t.enumStringMember=function(...e){return(0,i.default)(\\"EnumStringMember\\",...e)},t.EnumDefaultedMember=t.enumDefaultedMember=function(...e){return(0,i.default)(\\"EnumDefaultedMember\\",...e)},t.jSXAttribute=t.JSXAttribute=t.jsxAttribute=function(...e){return(0,i.default)(\\"JSXAttribute\\",...e)},t.jSXClosingElement=t.JSXClosingElement=t.jsxClosingElement=function(...e){return(0,i.default)(\\"JSXClosingElement\\",...e)},t.jSXElement=t.JSXElement=t.jsxElement=function(...e){return(0,i.default)(\\"JSXElement\\",...e)},t.jSXEmptyExpression=t.JSXEmptyExpression=t.jsxEmptyExpression=function(...e){return(0,i.default)(\\"JSXEmptyExpression\\",...e)},t.jSXExpressionContainer=t.JSXExpressionContainer=t.jsxExpressionContainer=function(...e){return(0,i.default)(\\"JSXExpressionContainer\\",...e)},t.jSXSpreadChild=t.JSXSpreadChild=t.jsxSpreadChild=function(...e){return(0,i.default)(\\"JSXSpreadChild\\",...e)},t.jSXIdentifier=t.JSXIdentifier=t.jsxIdentifier=function(...e){return(0,i.default)(\\"JSXIdentifier\\",...e)},t.jSXMemberExpression=t.JSXMemberExpression=t.jsxMemberExpression=function(...e){return(0,i.default)(\\"JSXMemberExpression\\",...e)},t.jSXNamespacedName=t.JSXNamespacedName=t.jsxNamespacedName=function(...e){return(0,i.default)(\\"JSXNamespacedName\\",...e)},t.jSXOpeningElement=t.JSXOpeningElement=t.jsxOpeningElement=function(...e){return(0,i.default)(\\"JSXOpeningElement\\",...e)},t.jSXSpreadAttribute=t.JSXSpreadAttribute=t.jsxSpreadAttribute=function(...e){return(0,i.default)(\\"JSXSpreadAttribute\\",...e)},t.jSXText=t.JSXText=t.jsxText=function(...e){return(0,i.default)(\\"JSXText\\",...e)},t.jSXFragment=t.JSXFragment=t.jsxFragment=function(...e){return(0,i.default)(\\"JSXFragment\\",...e)},t.jSXOpeningFragment=t.JSXOpeningFragment=t.jsxOpeningFragment=function(...e){return(0,i.default)(\\"JSXOpeningFragment\\",...e)},t.jSXClosingFragment=t.JSXClosingFragment=t.jsxClosingFragment=function(...e){return(0,i.default)(\\"JSXClosingFragment\\",...e)},t.Noop=t.noop=function(...e){return(0,i.default)(\\"Noop\\",...e)},t.Placeholder=t.placeholder=function(...e){return(0,i.default)(\\"Placeholder\\",...e)},t.V8IntrinsicIdentifier=t.v8IntrinsicIdentifier=function(...e){return(0,i.default)(\\"V8IntrinsicIdentifier\\",...e)},t.ArgumentPlaceholder=t.argumentPlaceholder=function(...e){return(0,i.default)(\\"ArgumentPlaceholder\\",...e)},t.BindExpression=t.bindExpression=function(...e){return(0,i.default)(\\"BindExpression\\",...e)},t.ClassProperty=t.classProperty=function(...e){return(0,i.default)(\\"ClassProperty\\",...e)},t.PipelineTopicExpression=t.pipelineTopicExpression=function(...e){return(0,i.default)(\\"PipelineTopicExpression\\",...e)},t.PipelineBareFunction=t.pipelineBareFunction=function(...e){return(0,i.default)(\\"PipelineBareFunction\\",...e)},t.PipelinePrimaryTopicReference=t.pipelinePrimaryTopicReference=function(...e){return(0,i.default)(\\"PipelinePrimaryTopicReference\\",...e)},t.ClassPrivateProperty=t.classPrivateProperty=function(...e){return(0,i.default)(\\"ClassPrivateProperty\\",...e)},t.ClassPrivateMethod=t.classPrivateMethod=function(...e){return(0,i.default)(\\"ClassPrivateMethod\\",...e)},t.ImportAttribute=t.importAttribute=function(...e){return(0,i.default)(\\"ImportAttribute\\",...e)},t.Decorator=t.decorator=function(...e){return(0,i.default)(\\"Decorator\\",...e)},t.DoExpression=t.doExpression=function(...e){return(0,i.default)(\\"DoExpression\\",...e)},t.ExportDefaultSpecifier=t.exportDefaultSpecifier=function(...e){return(0,i.default)(\\"ExportDefaultSpecifier\\",...e)},t.PrivateName=t.privateName=function(...e){return(0,i.default)(\\"PrivateName\\",...e)},t.RecordExpression=t.recordExpression=function(...e){return(0,i.default)(\\"RecordExpression\\",...e)},t.TupleExpression=t.tupleExpression=function(...e){return(0,i.default)(\\"TupleExpression\\",...e)},t.DecimalLiteral=t.decimalLiteral=function(...e){return(0,i.default)(\\"DecimalLiteral\\",...e)},t.StaticBlock=t.staticBlock=function(...e){return(0,i.default)(\\"StaticBlock\\",...e)},t.TSParameterProperty=t.TSParameterProperty=t.tsParameterProperty=function(...e){return(0,i.default)(\\"TSParameterProperty\\",...e)},t.TSDeclareFunction=t.TSDeclareFunction=t.tsDeclareFunction=function(...e){return(0,i.default)(\\"TSDeclareFunction\\",...e)},t.TSDeclareMethod=t.TSDeclareMethod=t.tsDeclareMethod=function(...e){return(0,i.default)(\\"TSDeclareMethod\\",...e)},t.TSQualifiedName=t.TSQualifiedName=t.tsQualifiedName=function(...e){return(0,i.default)(\\"TSQualifiedName\\",...e)},t.TSCallSignatureDeclaration=t.TSCallSignatureDeclaration=t.tsCallSignatureDeclaration=function(...e){return(0,i.default)(\\"TSCallSignatureDeclaration\\",...e)},t.TSConstructSignatureDeclaration=t.TSConstructSignatureDeclaration=t.tsConstructSignatureDeclaration=function(...e){return(0,i.default)(\\"TSConstructSignatureDeclaration\\",...e)},t.TSPropertySignature=t.TSPropertySignature=t.tsPropertySignature=function(...e){return(0,i.default)(\\"TSPropertySignature\\",...e)},t.TSMethodSignature=t.TSMethodSignature

ure=t.tsMethodSignature=function(...e){return(0,i.default)(\\"TSMMethodSignature\\",...e)},t.tSIndexSignature=t.TSIndexSignature=t.tsIndexSignature=function(...e){return(0,i.default)(\\"TSIndexSignature\\",...e)},t.tSAnyKeyword=t.TSAnyKeyword=t.tsAnyKeyword=function(...e){return(0,i.default)(\\"TSAnyKeyword\\",...e)},t.tSBooleanKeyword=t.TSBooleanKeyword=t.tsBooleanKeyword=function(...e){return(0,i.default)(\\"TSBooleanKeyword\\",...e)},t.tSBigIntKeyword=t.TSBigIntKeyword=t.tsBigIntKeyword=function(...e){return(0,i.default)(\\"TSBigIntKeyword\\",...e)},t.tSIntrinsicKeyword=t.TSIntrinsicKeyword=t.tsIntrinsicKeyword=function(...e){return(0,i.default)(\\"TSIntrinsicKeyword\\",...e)},t.tSNeverKeyword=t.TSNeverKeyword=t.tsNeverKeyword=function(...e){return(0,i.default)(\\"TSNeverKeyword\\",...e)},t.tSNullKeyword=t.TSNullKeyword=t.tsNullKeyword=function(...e){return(0,i.default)(\\"TSNullKeyword\\",...e)},t.tSNumberKeyword=t.TSNumberKeyword=t.tsNumberKeyword=function(...e){return(0,i.default)(\\"TSNumberKeyword\\",...e)},t.tSObjectKeyword=t.TSObjectKeyword=t.tsObjectKeyword=function(...e){return(0,i.default)(\\"TSObjectKeyword\\",...e)},t.tSStringKeyword=t.TSStringKeyword=t.tsStringKeyword=function(...e){return(0,i.default)(\\"TSStringKeyword\\",...e)},t.tSSymbolKeyword=t.TSSymbolKeyword=t.tsSymbolKeyword=function(...e){return(0,i.default)(\\"TSSymbolKeyword\\",...e)},t.tSUndefinedKeyword=t.TSUndefinedKeyword=t.tsUndefinedKeyword=function(...e){return(0,i.default)(\\"TSUndefinedKeyword\\",...e)},t.tSUnknownKeyword=t.TSUnknownKeyword=t.tsUnknownKeyword=function(...e){return(0,i.default)(\\"TSUnknownKeyword\\",...e)},t.tSVoidKeyword=t.TSVoidKeyword=t.tsVoidKeyword=function(...e){return(0,i.default)(\\"TSVoidKeyword\\",...e)},t.tSThisType=t.TSThisType=t.tsThisType=function(...e){return(0,i.default)(\\"TSThisType\\",...e)},t.tSFunctionType=t.TSFunctionType=t.tsFunctionType=function(...e){return(0,i.default)(\\"TSFunctionType\\",...e)},t.tSConstructorType=t.TSConstructorType=t.tsConstructorType=function(...e){return(0,i.default)(\\"TSConstructorType\\",...e)},t.tSTypeReference=t.TSTypeReference=t.tsTypeReference=function(...e){return(0,i.default)(\\"TSTypeReference\\",...e)},t.tSTypePredicate=t.TSTypePredicate=t.tsTypePredicate=function(...e){return(0,i.default)(\\"TSTypePredicate\\",...e)},t.tSTypeQuery=t.TSTypeQuery=t.tsTypeQuery=function(...e){return(0,i.default)(\\"TSTypeQuery\\",...e)},t.tSTypeLiteral=t.TSTypeLiteral=t.tsTypeLiteral=function(...e){return(0,i.default)(\\"TSTypeLiteral\\",...e)},t.tSArrayType=t.TSArrayType=t.tsArrayType=function(...e){return(0,i.default)(\\"TSArrayType\\",...e)},t.tSTupleType=t.TSTupleType=t.tsTupleType=function(...e){return(0,i.default)(\\"TSTupleType\\",...e)},t.tSOptionalType=t.TSOptionalType=t.tsOptionalType=function(...e){return(0,i.default)(\\"TSOptionalType\\",...e)},t.tSRestType=t.TSRestType=t.tsRestType=function(...e){return(0,i.default)(\\"TSRestType\\",...e)},t.tSNamedTupleMember=t.TSNamedTupleMember=t.tsNamedTupleMember=function(...e){return(0,i.default)(\\"TSNamedTupleMember\\",...e)},t.tSUnionType=t.TSUnionType=t.tsUnionType=function(...e){return(0,i.default)(\\"TSUnionType\\",...e)},t.tSIntersectionType=t.TSIntersectionType=t.tsIntersectionType=function(...e){return(0,i.default)(\\"TSIntersectionType\\",...e)},t.tSConditionalType=t.TSConditionalType=t.tsConditionalType=function(...e){return(0,i.default)(\\"TSConditionalType\\",...e)},t.tSInferType=t.TSInferType=t.tsInferType=function(...e){return(0,i.default)(\\"TSInferType\\",...e)},t.tSParenthesizedType=t.TSParenthesizedType=t.tsParenthesizedType=function(...e){return(0,i.default)(\\"TSParenthesizedType\\",...e)},t.tSTypeOperator=t.TSTypeOperator=t.tsTypeOperator=function(...e){return(0,i.default)(\\"TSTypeOperator\\",...e)},t.tSIndexedAccessType=t.TSIndexedAccessType=t.tsIndexedAccessType=function(...e){return(0,i.default)(\\"TSIndexedAccessType\\",...e)},t.tSMappedType=t.TSMappedType=t.tsMappedType=function(...e){return(0,i.default)(\\"TSMappedType\\",...e)},t.tSLiteralType=t.TSLiteralType=t.tsLiteralType=function(...e){return(0,i.default)(\\"TSLiteralType\\",...e)},t.tSExpressionWithTypeArguments=t.TSExpressionWithTypeArguments=t.tsExpressionWithTypeArguments=function(...e){return(0,i.default)(\\"TSExpressionWithTypeArguments\\",...e)},t.tSInterfaceDeclaration=t.TSInterfaceDeclaration=t.tsInterfaceDeclaration=function(...e){return(0,i.default)(\\"TSInterfaceDeclaration\\",...e)},t.tSInterfaceBody=t.TSInterfaceBody=t.tsInterfaceBody=function(...e){return(0,i.default)(\\"TSInterfaceBody\\",...e)},t.tSTypeAliasDeclaration=t.TSTypeAliasDeclaration=t.tsTypeAliasDeclaration=function(...e){return(0,i.default)(\\"TSTypeAliasDeclaration\\",...e)},t.tSAsExpression=t.TSAsExpression=t.tsAsExpression=function(...e){return(0,i.default)(\\"TSAsExpression\\",...e)},t.tSTypeAssertion=t.TSTypeAssertion=t.tsTypeAssertion=function(...e){return(0,i.default)(\\"TSTypeAssertion\\",...e)},t.tSEnumDeclaration=t.TSEnumDeclaration=t.tsEnumDeclaration=function(...e){return(0,i.default)(\\"TSEnumDeclaration\\",...e)},t.tSEnumMember=t.TSEnumMember=t.tsEnumMember=function(...e){return(0,i.default)(\\"TSEnumMember\\",...e)},t.tSModuleDeclaration=t.TSModuleDeclaration=t.tsModuleDeclaration=function(...e){return(0

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,i.default)(\\"TSMODULEDECLARATION\\",...e)},t.tSMODULEBLOCK=t.TSMODULEBLOCK=t.tsMODULEBLOCK=function(...e){r
return(0,i.default)(\\"TSMODULEBLOCK\\",...e)},t.tSIMPORTTYPE=t.TSIMPORTTYPE=t.tsIMPORTTYPE=function(...e){retu
n(0,i.default)(\\"TSIMPORTTYPE\\",...e)},t.tSIMPEQUALSDECLARATION=t.TSIMPORTEQUALSDECLARATION=t.tsIMPORTEQU
ALSDECLARATION=function(...e){return(0,i.default)(\\"TSIMPORTEQUALSDECLARATION\\",...e)},t.tSEXTERNALMODULEREFEREN
CE=t.TSEXTERNALMODULEREFERENCE=t.tsEXTERNALMODULEREFERENCE=function(...e){return(0,i.default)(\\"TSEXTERNALM
ODULEREFERENCE\\",...e)},t.tSNONNULLEXPRESSION=t.TSNONNULLEXPRESSION=t.tsNONNULLEXPRESSION=function(...e){ret
urn(0,i.default)(\\"TSNONNULLEXPRESSION\\",...e)},t.tSEXPORTASSIGNMENT=t.TSEXPORTASSIGNMENT=t.tsEXPORTASSIGN
MENT=function(...e){return(0,i.default)(\\"TSEXPORTASSIGNMENT\\",...e)},t.tSNSPACESEXPORTDECLARATION=t.TSNS
PACESEXPORTDECLARATION=t.tsNSPACESEXPORTDECLARATION=function(...e){return(0,i.default)(\\"TSNSPACESEXP
ORTDECLARATION\\",...e)},t.tSTYPEANNOTATION=t.TSTYPEANNOTATION=t.tsTYPEANNOTATION=function(...e){return(0,i.def
ault)(\\"TSTYPEANNOTATION\\",...e)},t.tSTYPEPARAMETERINSTANTIATION=t.TSTYPEPARAMETERINSTANTIATION=t.tsTYPEPAR
AMETERINSTANTIATION=function(...e){return(0,i.default)(\\"TSTYPEPARAMETERINSTANTIATION\\",...e)},t.tSTYPEPARAMETERD
ECLARATION=t.TSTYPEPARAMETERDECLARATION=t.tsTYPEPARAMETERDECLARATION=function(...e){return(0,i.default)(\\"TSTy
peParameterDeclaration\\",...e)},t.tSTYPEPARAMETER=t.TSTYPEPARAMETER=t.tsTYPEPARAMETER=function(...e){return(0
,i.default)(\\"TSTYPEPARAMETER\\",...e)},t.numberLiteral=t.NumberLiteral=function(...e){return
console.trace(\\\\"The node type NumberLiteral has been renamed to
NumericLiteral\\\\"),(0,i.default)(\\"NumberLiteral\\",...e)},t.regexLiteral=t.RegexLiteral=function(...e){return
console.trace(\\\\"The node type RegexLiteral has been renamed to
RegExpLiteral\\\\"),(0,i.default)(\\"RegexLiteral\\",...e)},t.restProperty=t.RestProperty=function(...e){return
console.trace(\\\\"The node type RestProperty has been renamed to
RestElement\\\\"),(0,i.default)(\\"RestProperty\\",...e)},t.spreadProperty=t.SpreadProperty=function(...e){return
console.trace(\\\\"The node type SpreadProperty has been renamed to
SpreadElement\\\\"),(0,i.default)(\\"SpreadProperty\\",...e)};var
n,i=(n=r(137))&&n.__esModule?n:{default:n}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),Object.defineProperty(t,\\\\"VISITOR_KEYS\\\\",{en
umerable:!0,get:function(){return
s.VISITOR_KEYS}}),Object.defineProperty(t,\\\\"ALIAS_KEYS\\\\",{enumerable:!0,get:function(){return
s.ALIAS_KEYS}}),Object.defineProperty(t,\\\\"FLIPPED_ALIAS_KEYS\\\\",{enumerable:!0,get:function(){return
s.FLIPPED_ALIAS_KEYS}}),Object.defineProperty(t,\\\\"NODE_FIELDS\\\\",{enumerable:!0,get:function(){return
s.NODE_FIELDS}}),Object.defineProperty(t,\\\\"BUILDER_KEYS\\\\",{enumerable:!0,get:function(){return
s.BUILDER_KEYS}}),Object.defineProperty(t,\\\\"DEPRECATED_KEYS\\\\",{enumerable:!0,get:function(){return
s.DEPRECATED_KEYS}}),Object.defineProperty(t,\\\\"NODE_PARENT_VALIDATIONS\\\\",{enumerable:!0,get:
function(){return
s.NODE_PARENT_VALIDATIONS}}),Object.defineProperty(t,\\\\"PLACEHOLDERS\\\\",{enumerable:!0,get:func
tion(){return
a.PLACEHOLDERS}}),Object.defineProperty(t,\\\\"PLACEHOLDERS_ALIAS\\\\",{enumerable:!0,get:function(){r
eturn
a.PLACEHOLDERS_ALIAS}}),Object.defineProperty(t,\\\\"PLACEHOLDERS_FLIPPED_ALIAS\\\\",{enumerable
:!0,get:function(){return a.PLACEHOLDERS_FLIPPED_ALIAS}}),t.TYPES=void 0;var
n,i=(n=r(81))&&n.__esModule?n:{default:n};r(50),r(211),r(212),r(213),r(214),r(215);var
s=r(9),a=r(83);(0,i.default)(s.VISITOR_KEYS),(0,i.default)(s.ALIAS_KEYS),(0,i.default)(s.FLIPPED_ALIAS_KE
YS),(0,i.default)(s.NODE_FIELDS),(0,i.default)(s.BUILDER_KEYS),(0,i.default)(s.DEPRECATED_KEYS),(0,i.d
efault)(a.PLACEHOLDERS_ALIAS),(0,i.default)(a.PLACEHOLDERS_FLIPPED_ALIAS);const
o=Object.keys(s.VISITOR_KEYS).concat(Object.keys(s.FLIPPED_ALIAS_KEYS)).concat(Object.keys(s.DEPRE
CATED_KEYS));t.TYPES=o},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),Object.defineProperty(t,\\\\"VISITOR_KEYS\\\\",{en
umerable:!0,get:function(){return
i.VISITOR_KEYS}}),Object.defineProperty(t,\\\\"ALIAS_KEYS\\\\",{enumerable:!0,get:function(){return

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i.ALIAS_KEYS })),Object.defineProperty(t,\\\\"FLIPPED_ALIAS_KEYS\\\\",{enumerable:!0,get:function(){return
i.FLIPPED_ALIAS_KEYS })),Object.defineProperty(t,\\\\"NODE_FIELDS\\\\",{enumerable:!0,get:function(){return
i.NODE_FIELDS })),Object.defineProperty(t,\\\\"BUILDER_KEYS\\\\",{enumerable:!0,get:function(){return
i.BUILDER_KEYS })),Object.defineProperty(t,\\\\"DEPRECATED_KEYS\\\\",{enumerable:!0,get:function(){return
i.DEPRECATED_KEYS })),Object.defineProperty(t,\\\\"NODE_PARENT_VALIDATIONS\\\\",{enumerable:!0,get:
function(){return
i.NODE_PARENT_VALIDATIONS })),Object.defineProperty(t,\\\\"PLACEHOLDERS\\\\",{enumerable:!0,get:func
tion(){return
s.PLACEHOLDERS })),Object.defineProperty(t,\\\\"PLACEHOLDERS_ALIAS\\\\",{enumerable:!0,get:function(){r
eturn
s.PLACEHOLDERS_ALIAS })),Object.defineProperty(t,\\\\"PLACEHOLDERS_FLIPPED_ALIAS\\\\",{enumerable
:!0,get:function(){return s.PLACEHOLDERS_FLIPPED_ALIAS })),t.TYPES=void 0;var
n=r(81);r(55),r(269),r(270),r(271),r(272),r(273);var
i=r(10),s=r(105);n(i.VISITOR_KEYS),n(i.ALIAS_KEYS),n(i.FLIPPED_ALIAS_KEYS),n(i.NODE_FIELDS),n(i.
BUILDER_KEYS),n(i.DEPRECATED_KEYS),n(s.PLACEHOLDERS_ALIAS),n(s.PLACEHOLDERS_FLIPPED
_ALIAS);const
a=Object.keys(i.VISITOR_KEYS).concat(Object.keys(i.FLIPPED_ALIAS_KEYS)).concat(Object.keys(i.DEPREC
ATED_KEYS));t.TYPES=a},function(e,t,r){var n=r(68),i=\\\\"object\\\\"==typeof
self&&self&&self.Object===Object&&self,s=n||i||Function(\\\\"return this\\\\"");e.exports=s},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=t.SHOULD_SKIP=t.SHOULD_STOP=t.R
EMOVED=void 0;var
n=P(r(63)),i=x(r(255)),s=x(r(17)),a=x(r(100)),o=P(r(0)),l=r(38),c=x(r(314)),p=P(r(338)),u=P(r(339)),d=P(r(342)),h
=P(r(353)),f=P(r(354)),m=P(r(363)),y=P(r(364)),T=P(r(365)),b=P(r(367)),g=P(r(369)),S=P(r(370));function
x(e){return e&&e.__esModule?:{default:e}}function E(){if(\\\\"function\\\\"!=typeof WeakMap)return null;var
e=new WeakMap;return E=function(){return e},e}function P(e){if(e&&e.__esModule)return
e;if(null===e||\\\\"object\\\\"!=typeof e&&\\\\"function\\\\"!=typeof e)return{default:e};var t=E();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}const
v=(0,i.default)(\\\\"babel\\\\"");t.REMOVED=1;t.SHOULD_STOP=2;t.SHOULD_SKIP=4;class
A{constructor(e,t){this.contexts=[],this.state=null,this.opts=null,this._traverseFlags=0,this.skipKeys=null,this.parent
Path=null,this.container=null,this.listKey=null,this.key=null,this.node=null,this.type=null,this.parent=t,this.hub=e,th
is.data=null,this.context=null,this.scope=null}static
get({hub:e,parentPath:t,parent:r,container:n,listKey:i,key:s}){if(!e&&t&&(e=t.hub),!r)throw new Error(\\\\"To get a
node path the parent needs to exist\\\\"");const a=n[s],o=l.path.get(r)||[];let c;l.path.has(r)||l.path.set(r,o);for(let
e=0;e<o.length;e++){const t=o[e];if(t.node===a){c=t;break}}return c||(c=new
A(e,r),o.push(c),c.setup(t,n,i,s),c)getScope(e){return this.isScope()?new a.default(this):e}setData(e,t){return
null===this.data&&(this.data=Object.create(null)),this.data[e]=t}getData(e,t){null===this.data&&(this.data=Object.cr
eate(null));let r=this.data[e];return void 0===r&&void
0!==t&&(r=this.data[e]=t),r}buildCodeFrameError(e,t=SyntaxError){return
this.hub.buildError(this.node,e,t)}traverse(e,t){(0,s.default)(this.node,e,this.scope,t,this)}set(e,t){o.validate(this.node
,e,t),this.node[e]=t}getPathLocation(){const e=[];let t=this;do{let
r=t.key;t.inList&&(r=`${t.listKey}[${r}]`),e.unshift(r)}while(t=t.parentPath);return
e.join(\\\\".\\\\"")}debug(e){v.enabled&&v(`${this.getPathLocation()} ${this.type}:
${e}`)}toString(){return(0,c.default)(this.node).code}get inList(){return!!this.listKey}set
inList(e){e||(this.listKey=null)}get parentKey(){return this.listKey||this.key}get
shouldSkip(){return!!(4&this._traverseFlags)}set shouldSkip(e){e?this._traverseFlags|=4:this._traverseFlags&=

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5 }get shouldStop(){return!!(2&this._traverseFlags)}set
shouldStop(e){e?this._traverseFlags|=2:this._traverseFlags&=-3}get removed(){return!!(1&this._traverseFlags)}set
removed(e){e?this._traverseFlags|=1:this._traverseFlags&=-
2}}t.default=A,Object.assign(A.prototype,p,u,d,h,f,m,y,T,b,g,S);for(const e of o.TYPES){const
t=\\\\"is\\\\"+e,r=o[t];A.prototype[t]=function(e){return
r(this.node,e),A.prototype[\\\\"assert\\\\"+e]=function(t){if(!r(this.node,t))throw new TypeError(\\\\"Expected node
path of type \\\\"+e)} }for(const e of
Object.keys(n)){if(\\\\"_\\\\"===e[0])continue;o.TYPES.indexOf(e)<0&&o.TYPES.push(e);const
t=n[e];A.prototype[\\\\"is\\\\"+e]=function(e){return t.checkPath(this,e)}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.validate=f,t.typeIs=m,t.validateType=function(e){r
eturn
f(m(e)),t.validateOptional=function(e){return{validate:e,optional:!0}},t.validateOptionalType=function(e){return{
validate:m(e),optional:!0}},t.arrayOf=y,t.arrayOfType=T,t.validateArrayOfType=function(e){return
f(T(e)),t.assertEach=b,t.assertOneOf=function(...e){function t(t,r,n){if(e.indexOf(n)<0)throw new
TypeError(`Property ${r} expected value to be one of ${JSON.stringify(e)} but got ${JSON.stringify(n)}`)}return
t.oneOf=e,t,t.assertNodeType=g,t.assertNodeOrValueType=function(...e){function t(t,r,n){for(const a of
e)if(h(n)===a||(0,i.default)(a,n))return void(0,s.validateChild)(t,r,n);throw new TypeError(`Property ${r} of
${t.type} expected node to be of a type ${JSON.stringify(e)} but instead got ${JSON.stringify(null===n?void
0:n.type)`)}}return t.oneOfNodeOrValueTypes=e,t,t.assertValueType=S,t.assertShape=function(e){function
t(t,r,n){const i=[];for(const r of Object.keys(e))try{(0,s.validateField)(t,r,n[r],e[r])}catch(e){if(e instanceof
TypeError){i.push(e.message);continue}throw e}if(i.length)throw new TypeError(`Property ${r} of ${t.type}
expected to have the following:\\\\n${i.join(\\\\"\\\\"n\\\\"")}`)}return
t.shapeOf=e,t,t.assertOptionalChainStart=function(){return function(e){var t;let
r=e;for(;e;){const{type:e}=r;if(\\\\"OptionalCallExpression\\\\"!===e){if(\\\\"OptionalMemberExpression\\\\"!===e)break
;if(r.optional)return;r=r.object}else{if(r.optional)return;r=r.callee}}throw new TypeError(`Non-optional ${e.type}
must chain from an optional OptionalMemberExpression or OptionalCallExpression. Found chain from
${null==(t=r)?void 0:t.type}`)}},t.chain=x,t.default=function(e,t={}){const r=t.inherits&&v[t.inherits]||{ };let
n=t.fields;if(!n&&(n={ },r.fields)){const e=Object.getOwnPropertyNames(r.fields);for(const t of e){const
e=r.fields[t];n[t]={default:e.default,optional:e.optional,validate:e.validate}} }const
i=t.visitor||r.visitor||[],s=t.aliases||r.aliases||[],f=t.builder||r.builder||t.visitor||[];for(const r of Object.keys(t))if(-
1===E.indexOf(r))throw new Error(`Unknown type option \\\\"${r}\\\\" on
${e}`);t.deprecatedAlias&&(u[t.deprecatedAlias]=e);for(const e of i.concat(f))n[e]=n[e]||{ };for(const t of
Object.keys(n)){const r=n[t];void 0!===r.default&&-1===f.indexOf(t)&&(r.optional=!0),void
0===r.default?r.default=null:r.validate||null===r.default||(r.validate=S(h(r.default)));for(const n of Object.keys(r))if(-
1===P.indexOf(n))throw new Error(`Unknown field key \\\\"${n}\\\\" on
${e}.${t}`)}a[e]=t.visitor=i,p[e]=t.builder=f,c[e]=t.fields=n,o[e]=t.aliases=s,s.forEach(t=>{l[t]=l[t]||[],l[t].push(e)}),
t.validate&&(d[e]=t.validate);v[e]=t,t.NODE_PARENT_VALIDATIONS=t.DEPRECATED_KEYS=t.BUILDER
_KEYS=t.NODE_FIELDS=t.FLIPPED_ALIAS_KEYS=t.ALIAS_KEYS=t.VISITOR_KEYS=void 0;var
n,i=(n=r(34))&&n.__esModule?n:{default:n},s=r(52);const a={ };t.VISITOR_KEYS=a;const
o={ };t.ALIAS_KEYS=o;const l={ };t.FLIPPED_ALIAS_KEYS=l;const c={ };t.NODE_FIELDS=c;const
p={ };t.BUILDER_KEYS=p;const u={ };t.DEPRECATED_KEYS=u;const d={ };function h(e){return
Array.isArray(e)?\\\\"array\\\\":null===e?\\\\"null\\\\":typeof e}function f(e){return{validate:e}}function
m(e){return\\\\"string\\\\"===typeof e?g(e):g(...e)}function y(e){return x(S(\\\\"array\\\\"),b(e))}function T(e){return
y(m(e))}function b(e){function t(t,r,n){if(Array.isArray(n))for(let i=0;i<n.length;i++){const
a=`${r}[${i}]`,o=n[i];e(t,a,o),process.env.BABEL_TYPES_8_BREAKING&&(0,s.validateChild)(t,a,o)} }return
t.each=e,t}function g(...e){function t(t,r,n){for(const a of e)if((0,i.default)(a,n))return
void(0,s.validateChild)(t,r,n);throw new TypeError(`Property ${r} of ${t.type} expected node to be of a type
${JSON.stringify(e)} but instead got ${JSON.stringify(null===n?void 0:n.type)`)}}return

```

```

t.oneOfNodeTypes=e,t}function S(e){function t(t,r,n){if(!(h(n)===e))throw new TypeError(`Property ${r} expected
type of ${e} but got ${h(n)}`)}return t.type=e,t}function x(...e){function t(...t){for(const r of e)r(...t)}return
t.chainOf=e,t}.NODE_PARENT_VALIDATIONS=d;const
E=[["aliases"],["builder"],["deprecatedAlias"],["fields"],["inherits"],["visitor"],["validate"]],P=[["
default"],["optional"],["validate"];const v={},function(e,t,r){["use
strict"];Object.defineProperty(t,["__esModule"],{value:!0}),t.validate=h,t.typeIs=f,t.validateType=function(e){r
return
h(f(e)),t.validateOptional=function(e){return{validate:e,optional:!0}},t.validateOptionalType=function(e){return{v
alidate:f(e),optional:!0}},t.arrayOf=m,t.arrayOfType=y,t.validateArrayOfType=function(e){return
h(y(e)),t.assertEach=T,t.assertOneOf=function(...e){function t(t,r,n){if(e.indexOf(n)<0)throw new
TypeError(`Property ${r} expected value to be one of ${JSON.stringify(e)} but got ${JSON.stringify(n)}`)}return
t.oneOf=e,t},t.assertNodeType=b,t.assertNodeOrValueType=function(...e){function t(t,r,s){for(const a of
e)if(d(s)===a||(0,n.default)(a,s))return void(0,i.validateChild)(t,r,s);throw new TypeError(`Property ${r} of
${t.type} expected node to be of a type ${JSON.stringify(e)} but instead got ${JSON.stringify(null===s?void
0:s.type)`)}}return t.oneOfNodeOrValueTypes=e,t},t.assertValueType=g,t.assertShape=function(e){function
t(t,r,n){const s=[];for(const r of Object.keys(e))try{(0,i.validateField)(t,r,n[r],e[r])}catch(e){if(e instanceof
TypeError){s.push(e.message);continue}throw e}if(s.length)throw new TypeError(`Property ${r} of ${t.type}
expected to have the following: ${s.join("\n")}`)}return
t.shapeOf=e,t},t.assertOptionalChainStart=function(){return function(e){var t;let
r=e;for(;e){const{type:e}=r;if(["OptionalCallExpression"]!==e){if(["OptionalMemberExpression"]!==e)break
;if(r.optional)return;r=r.object}else{if(r.optional)return;r=r.callee}}throw new TypeError(`Non-optional ${e.type}
must chain from an optional OptionalMemberExpression or OptionalCallExpression. Found chain from
${null==(t=r)?void 0:t.type}`)}},t.chain=S,t.default=function(e,t={}){const r=t.inherits&&P[t.inherits]||{};let
n=t.fields;if(!n&&(n={},r.fields)){const e=Object.getOwnPropertyNames(r.fields);for(const t of e){const
e=r.fields[t],i=e.default;if(Array.isArray(i)?i.length>0:i&&["object"]===typeof i)throw new Error(["field defaults
can only be primitives or empty arrays
currently"]);n[t]={default:Array.isArray(i)?i,optional:e.optional,validate:e.validate}}}const
i=t.visitor|r.visitor||[],h=t.aliases|r.aliases||[],f=t.builder|r.builder|t.visitor||[];for(const r of Object.keys(t))if(-
1===x.indexOf(r))throw new Error(`Unknown type option "${r}" on
${e}`);t.deprecatedAlias&&(p[t.deprecatedAlias]=e);for(const e of i.concat(f))n[e]=n[e]||{};for(const t of
Object.keys(n)){const r=n[t];void 0!==(r.default&&-1===f.indexOf(t)&&(r.optional!=0),void
0===r.default?r.default=null:r.validate||null===r.default||(r.validate=g(d(r.default)));for(const n of Object.keys(r))if(-
1===E.indexOf(n))throw new Error(`Unknown field key "${n}" on
${e}.${t}`)}s[e]=t.visitor=i,c[e]=t.builder=f,l[e]=t.fields=n,a[e]=t.aliases=h,h.forEach(t=>{o[t]=o[t]||[],o[t].push(e)
}),t.validate&&(u[e]=t.validate);P[e]=t},t.NODE_PARENT_VALIDATIONS=t.DEPRECATED_KEYS=t.BUILDE
R_KEYS=t.NODE_FIELDS=t.FLIPPED_ALIAS_KEYS=t.ALIAS_KEYS=t.VISITOR_KEYS=void 0;var
n=r(36),i=r(57);const s={};t.VISITOR_KEYS=s;const a={};t.ALIAS_KEYS=a;const
o={};t.FLIPPED_ALIAS_KEYS=o;const l={};t.NODE_FIELDS=l;const c={};t.BUILDER_KEYS=c;const
p={};t.DEPRECATED_KEYS=p;const u={};function d(e){return
Array.isArray(e)?["array"]:"null===e?"null":typeof e}function h(e){return{validate:e}}function
f(e){return["string"]===typeof e?b(e):b(...e)}function m(e){return S(g(["array"]),T(e))}function y(e){return
m(f(e))}function T(e){function t(t,r,n){if(Array.isArray(n))for(let s=0;s<n.length;s++){const
a=`${r}[${s}]`,o=n[s];e(t,a,o),process.env.BABEL_TYPES_8_BREAKING&&(0,i.validateChild)(t,a,o)}}return
t.each=e,t}function b(...e){function t(t,r,s){for(const a of e)if((0,n.default)(a,s))return
void(0,i.validateChild)(t,r,s);throw new TypeError(`Property ${r} of ${t.type} expected node to be of a type
${JSON.stringify(e)} but instead got ${JSON.stringify(null===s?void 0:s.type)`)}}return
t.oneOfNodeTypes=e,t}function g(e){function t(t,r,n){if(!(d(n)===e))throw new TypeError(`Property ${r} expected
type of ${e} but got ${d(n)}`)}return t.type=e,t}function S(...e){function t(...t){for(const r of

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e)r(...t)}if(t.chainOf=e,e.length>=2&&\\\\"type\\"in e[0]&&\\\\"array\\"===e[0].type&&!((\\\\"each\\"in e[1]))throw
new Error('An assertValueType(\\\\"array\\") validator can only be followed by an assertEach(...) validator.');
```

```

return t)t.NODE_PARENT_VALIDATIONS=u;const
x=[\\\\"aliases\\",\\\\"builder\\",\\\\"deprecatedAlias\\",\\\\"fields\\",\\\\"inherits\\",\\\\"visitor\\",\\\\"validate\\",E=[\\\\"
default\\",\\\\"optional\\",\\\\"validate\\"];const P={ },function(e,t,r){ var
n=r(151),i=r(156);e.exports=function(e,t){ var r=i(e,t);return n(r)?r:void
0}},function(e,t){e.exports=function(e){return null!=e&&\\\\"object\\"===typeof e}},function(e,t,r){\\\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\",{ value:!0}),t.NOT_LOCAL_BINDING=t.BLOCK_SCOPED_S
YMBOL=t.INHERIT_KEYS=t.UNARY_OPERATORS=t.STRING_UNARY_OPERATORS=t.NUMBER_UNAR
Y_OPERATORS=t.BOOLEAN_UNARY_OPERATORS=t.ASSIGNMENT_OPERATORS=t.BINARY_OPERAT
ORS=t.NUMBER_BINARY_OPERATORS=t.BOOLEAN_BINARY_OPERATORS=t.COMPARISON_BINARY
_OPERATORS=t.EQUALITY_BINARY_OPERATORS=t.BOOLEAN_NUMBER_BINARY_OPERATORS=t.U
PDATE_OPERATORS=t.LOGICAL_OPERATORS=t.COMMENT_KEYS=t.FOR_INIT_KEYS=t.FLATTENAB
LE_KEYS=t.STATEMENT_OR_BLOCK_KEYS=void
0;t.STATEMENT_OR_BLOCK_KEYS=[\\\\"consequent\\",\\\\"body\\",\\\\"alternate\\"];t.FLATTENABLE_KEYS=
[\\\\"body\\",\\\\"expressions\\"];t.FOR_INIT_KEYS=[\\\\"left\\",\\\\"init\\"];t.COMMENT_KEYS=[\\\\"leadingCom
ments\\",\\\\"trailingComments\\",\\\\"innerComments\\"];const
n=[\\\\"\\/\\",\\\\"&&\\",\\\\"??\\"];t.LOGICAL_OPERATORS=n;t.UPDATE_OPERATORS=[\\\\"++\\",\\\\"--
\\"];const i=[\\\\">\\",\\\\"<\\",\\\\">=\\",\\\\"<=\\"];t.BOOLEAN_NUMBER_BINARY_OPERATORS=i;const
s=[\\\\"==\\",\\\\"===\\",\\\\"!=\\",\\\\"!==\\"];t.EQUALITY_BINARY_OPERATORS=s;const
a=[...s,\\\\"in\\",\\\\"instanceof\\"];t.COMPARISON_BINARY_OPERATORS=a;const
o=[...a,...i];t.BOOLEAN_BINARY_OPERATORS=o;const l=[\\\\"-
\\",\\\\"/\\",\\\\"%\\",\\\\"*\\",\\\\"**\\",\\\\"&\\",\\\\"|\\",\\\\">>\\",\\\\">>>\\",\\\\"<<\\",\\\\"^\\"];t.NUMBER_BINARY
_OPERATORS=l;const c=[\\\\"+\\",...l,...o];t.BINARY_OPERATORS=c;const
p=[\\\\"=\\",\\\\"+=\\",...l.map(e=>e+\\\\"=\\"),...n.map(e=>e+\\\\"=\\")];t.ASSIGNMENT_OPERATORS=p;const
u=[\\\\"delete\\",\\\\"!\\"];t.BOOLEAN_UNARY_OPERATORS=u;const d=[\\\\"+\\",\\\\"-
\\",\\\\"~\\"];t.NUMBER_UNARY_OPERATORS=d;const
h=[\\\\"typeof\\"];t.STRING_UNARY_OPERATORS=h;const
f=[\\\\"void\\",\\\\"throw\\",...u,...d,...h];t.UNARY_OPERATORS=f;t.INHERIT_KEYS={ optional:[\\\\"typeAnnotatio
n\\",\\\\"typeParameters\\",\\\\"returnType\\"],force:[\\\\"start\\",\\\\"loc\\",\\\\"end\\"]};const m=Symbol.for(\\\\"var
used to be block scoped\\");t.BLOCK_SCOPED_SYMBOL=m;const y=Symbol.for(\\\\"should not be considered a
local binding\\");t.NOT_LOCAL_BINDING=y},function(e,t,r){\\\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\",{ value:!0}),t.default=o;var n=r(5);const
i=Function.call.bind(Object.prototype.hasOwnProperty);function s(e,t,r){ return e&&\\\\"string\\"===typeof
e.type?o(e,t,r):e}function a(e,t,r){ return Array.isArray(e)?e.map(e=>s(e,t,r)):s(e,t,r)}function
o(e,t=!0,r=!1){if(!e)return
e;const{ type:s}=e,o={ type:s};if(\\\\"Identifier\\"===s)o.name=e.name,i(e,\\\\"optional\\")&&\\\\"boolean\\"===typeof
e.optional&&(o.optional=e.optional),i(e,\\\\"typeAnnotation\\")&&(o.typeAnnotation=t?a(e.typeAnnotation,!0,r):e.t
ypeAnnotation);else{if(!i(n.NODE_FIELDS,s))throw new Error('Unknown node type: \\\\"${s}\\");for(const c of
Object.keys(n.NODE_FIELDS[s]))i(e,c)&&(o[c]=t?\\\\"File\\"===s&&\\\\"comments\\"===c?!e.comments,t,r):a(e[
c],!0,r):e[c])return
i(e,\\\\"loc\\")&&(o.loc=r?null:e.loc),i(e,\\\\"leadingComments\\")&&(o.leadingComments=l(e.leadingComments,t,r)
),i(e,\\\\"innerComments\\")&&(o.innerComments=l(e.innerComments,t,r)),i(e,\\\\"trailingComments\\")&&(o.trailin
gComments=l(e.trailingComments,t,r)),i(e,\\\\"extra\\")&&(o.extra=Object.assign({ },e.extra)),o}function
l(e,t,r){return t&&r?function(e){return
e.map(({ type:e,value:t})=>({ type:e,value:t,loc:null}))(e):e}},function(e,t,r){\\\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\",{ value:!0}),t.NOT_LOCAL_BINDING=t.BLOCK_SCOPED_S
YMBOL=t.INHERIT_KEYS=t.UNARY_OPERATORS=t.STRING_UNARY_OPERATORS=t.NUMBER_UNAR
```

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Y_OPERATORS=t.BOOLEAN_UNARY_OPERATORS=t.ASSIGNMENT_OPERATORS=t.BINARY_OPERATORS=t.NUMBER_BINARY_OPERATORS=t.BOOLEAN_BINARY_OPERATORS=t.COMPARISON_BINARY_OPERATORS=t.EQUALITY_BINARY_OPERATORS=t.BOOLEAN_NUMBER_BINARY_OPERATORS=t.UPDATE_OPERATORS=t.LOGICAL_OPERATORS=t.COMMENT_KEYS=t.FOR_INIT_KEYS=t.FLATTENABLE_KEYS=t.STATEMENT_OR_BLOCK_KEYS=void
0;t.STATEMENT_OR_BLOCK_KEYS=[\\"consequent\\",\\"body\\",\\"alternate\\"];t.FLATTENABLE_KEYS=[\\"body\\",\\"expressions\\"];t.FOR_INIT_KEYS=[\\"left\\",\\"init\\"];t.COMMENT_KEYS=[\\"leadingComments\\",\\"trailingComments\\",\\"innerComments\\"];const
n=[\\"|\\",\\"&&\\",\\"??\\"];t.LOGICAL_OPERATORS=n;t.UPDATE_OPERATORS=[\\"++\\",\\"--\\"];const i=[\\">\\",\\"<\\",\\">=\\",\\"<=\\"];t.BOOLEAN_NUMBER_BINARY_OPERATORS=i;const
s=[\\"==\\",\\"===\\",\\"!=\\",\\"!==\\"];t.EQUALITY_BINARY_OPERATORS=s;const
a=[...s,\\"in\\",\\"instanceof\\"];t.COMPARISON_BINARY_OPERATORS=a;const
o=[...a,...i];t.BOOLEAN_BINARY_OPERATORS=o;const l=[\\"-\\",\\"/\\",\\"%\\",\\"*\\",\\"**\\",\\"&\\",\\"|\\",\\">>\\",\\">>>\\",\\"<<\\",\\"^\\"];t.NUMBER_BINARY_OPERATORS=l;const c=[\\"+\\",...l,...o];t.BINARY_OPERATORS=c;const
p=[\\"=\\",\\"+=\\",...l.map(e=>e+\\"=\\",...n.map(e=>e+\\"=\\")];t.ASSIGNMENT_OPERATORS=p;const
u=[\\"delete\\",\\"!\\"];t.BOOLEAN_UNARY_OPERATORS=u;const d=[\\"+\\",\\"-\\",\\"~\\"];t.NUMBER_UNARY_OPERATORS=d;const
h=[\\"typeof\\"];t.STRING_UNARY_OPERATORS=h;const
f=[\\"void\\",\\"throw\\",...u,...d,...h];t.UNARY_OPERATORS=f;t.INHERIT_KEYS={ optional:[\\"typeAnnotation\\",\\"typeParameters\\",\\"returnType\\"],force:[\\"start\\",\\"loc\\",\\"end\\"]};const m=Symbol.for(\\var used to be block scoped\\");t.BLOCK_SCOPED_SYMBOL=m;const y=Symbol.for(\\should not be considered a local binding\\");t.NOT_LOCAL_BINDING=y,function(e,t,r){\\use strict\\";Object.defineProperty(t,\\__esModule\\",{value:!0}),t.default=l;var n=r(6),i=r(1);const
s=Function.call.bind(Object.prototype.hasOwnProperty);function a(e,t,r){return e&&\\string\\"===typeof e.type?l(e,t,r):e}function o(e,t,r){return Array.isArray(e)?e.map(e=>a(e,t,r)):a(e,t,r)}function l(e,t=!0,r=!1){if(!e)return
e;const{type:a}=e,l={type:e.type};if((0,i.isIdentifier)(e))l.name=e.name,s(e,\\optional\\")&&\\boolean\\"===typeof e.optional&&(l.optional=e.optional),s(e,\\typeAnnotation\\")&&(l.typeAnnotation=t?o(e.typeAnnotation,!0,r):e.typeAnnotation);else if(!s(n.NODE_FIELDS,a))throw new Error(\\Unknown node type: \\${a}\\");for(const p of Object.keys(n.NODE_FIELDS[a]))s(e,p)&&(l[p]=t?(0,i.isFile)(e)&&\\comments\\"===p?c(e.comments,t,r):o(e[p],!0,r):e[p])}return
s(e,\\loc\\")&&(l.loc=r?null:e.loc),s(e,\\leadingComments\\")&&(l.leadingComments=c(e.leadingComments,t,r)),s(e,\\innerComments\\")&&(l.innerComments=c(e.innerComments,t,r)),s(e,\\trailingComments\\")&&(l.trailingComments=c(e.trailingComments,t,r)),s(e,\\extra\\")&&(l.extra=Object.assign({},e.extra)),l}function
c(e,t,r){return
e&&t?e.map(({type:e,value:t,loc:n})=>r?{type:e,value:t,loc:null}:{type:e,value:t,loc:n}):e},function(e,t,r){\\use strict\\";Object.defineProperty(t,\\__esModule\\",{value:!0}),t.default=h,Object.defineProperty(t,\\NodePath\\",{enumerable:!0,get:function(){return
o.default}}),Object.defineProperty(t,\\Scope\\",{enumerable:!0,get:function(){return
l.default}}),Object.defineProperty(t,\\Hub\\",{enumerable:!0,get:function(){return c.default}}),t.visitors=void
0;var n=d(r(132)),i=u(r(371));t.visitors=i;var s=u(r(0)),a=u(r(38)),o=d(r(8)),l=d(r(100)),c=d(r(372));function
p(){if(\\function\\"!==typeof WeakMap)return null;var e=new WeakMap;return p=function(){return e},e}function
u(e){if(e&&e.__esModule)return e;if(null===e||\\object\\"!==typeof e&&\\function\\"!==typeof e)return {default:e};var t=p();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in e)if(Object.prototype.hasOwnProperty.call(e,i)){var

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s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}function d(e){return e&&e.__esModule?:{default:e}}function
h(e,t,r,n,a){if(e){if(t|(t={}),!t.noScope&&!r&&"Program"!==e.type&&"File"!==e.type)throw new
Error(`You must pass a scope and parentPath unless traversing a Program/File. Instead of that you tried to traverse a
${e.type} node without passing scope and
parentPath.`);s.VISITOR_KEYS[e.type]&&(i.explode(t),h.node(e,t,r,n,a))}function
f(e,t){e.node.type===t.type&&(t.has=!0,e.stop())}h.visitors=i,h.verify=i.verify,h.explode=i.explode,h.cheap=functio
n(e,t){return s.traverseFast(e,t),h.node=function(e,t,r,i,a,o){const l=s.VISITOR_KEYS[e.type];if(!l)return;const
c=new n.default(r,t,i,a);for(const t of
l){if(!o||o[t])&&c.visit(e,t)}return},h.clearNode=function(e,t){s.removeProperties(e,t),a.path.delete(e)},h.removePro
perties=function(e,t){return s.traverseFast(e,h.clearNode,t),e},h.hasType=function(e,t,r){if(null===r?void
0:r.includes(e.type))return!1;if(e.type===t)return!0;const n={has:!1,type:t};return
h(e,{noScope:!0,denylist:r,enter:f,null,n},n.has),h.cache=a},function(e,t,r){var
n=r(41),i=r(152),s=r(153),a=n?n.toStringTag:void 0;e.exports=function(e){return null===e?void 0===e?"[object
Undefined]":'[object Null]':a&&a in Object(e)?i(e):s(e)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),Object.defineProperty(t,"isIdentifierName",{en
umerable:!0,get:function(){return
n.isIdentifierName}}),Object.defineProperty(t,"isIdentifierChar",{enumerable:!0,get:function(){return
n.isIdentifierChar}}),Object.defineProperty(t,"isIdentifierStart",{enumerable:!0,get:function(){return
n.isIdentifierStart}}),Object.defineProperty(t,"isReservedWord",{enumerable:!0,get:function(){return
i.isReservedWord}}),Object.defineProperty(t,"isStrictBindOnlyReservedWord",{enumerable:!0,get:function(){r
eturn
i.isStrictBindOnlyReservedWord}}),Object.defineProperty(t,"isStrictBindReservedWord",{enumerable:!0,get:f
unction(){return
i.isStrictBindReservedWord}}),Object.defineProperty(t,"isStrictReservedWord",{enumerable:!0,get:function(){
return i.isStrictReservedWord}}),Object.defineProperty(t,"isKeyword",{enumerable:!0,get:function(){return
i.isKeyword}});var n=r(209),i=r(210)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0});var
n={react:!0,assertNode:!0,createTypeAnnotationBasedOnTypeof:!0,createUnionTypeAnnotation:!0,createFlowUnio
nType:!0,createTSUnionType:!0,cloneNode:!0,clone:!0,cloneDeep:!0,cloneDeepWithoutLoc:!0,cloneWithoutLoc:!
0,addComment:!0,addComments:!0,inheritInnerComments:!0,inheritLeadingComments:!0,inheritsComments:!0,inh
eritTrailingComments:!0,removeComments:!0,ensureBlock:!0,toBindingIdentifierName:!0,toBlock:!0,toComputed
Key:!0,toExpression:!0,toIdentifier:!0,toKeyAlias:!0,toSequenceExpression:!0,toStatement:!0,valueToNode:!0,appe
ndToMemberExpression:!0,inherits:!0,prependToMemberExpression:!0,removeProperties:!0,removePropertiesDeep
:!0,removeTypeDuplicates:!0,getBindingIdentifiers:!0,getOuterBindingIdentifiers:!0,traverse:!0,traverseFast:!0,shall
owEqual:!0,is:!0,isBinding:!0,isBlockScoped:!0,isImmutable:!0,isLet:!0,isNode:!0,isNodesEquivalent:!0,isPlacehol
derType:!0,isReferenced:!0,isScope:!0,isSpecifierDefault:!0,isType:!0,isValidES3Identifier:!0,isValidIdentifier:!0,is
Var:!0,matchesPattern:!0,validate:!0,buildMatchMemberExpression:!0};Object.defineProperty(t,"assertNode",{
enumerable:!0,get:function(){return
o.default}}),Object.defineProperty(t,"createTypeAnnotationBasedOnTypeof",{enumerable:!0,get:function(){ret
urn c.default}}),Object.defineProperty(t,"createUnionTypeAnnotation",{enumerable:!0,get:function(){return
p.default}}),Object.defineProperty(t,"createFlowUnionType",{enumerable:!0,get:function(){return
p.default}}),Object.defineProperty(t,"createTSUnionType",{enumerable:!0,get:function(){return
u.default}}),Object.defineProperty(t,"cloneNode",{enumerable:!0,get:function(){return
f.default}}),Object.defineProperty(t,"clone",{enumerable:!0,get:function(){return
m.default}}),Object.defineProperty(t,"cloneDeep",{enumerable:!0,get:function(){return
y.default}}),Object.defineProperty(t,"cloneDeepWithoutLoc",{enumerable:!0,get:function(){return
T.default}}),Object.defineProperty(t,"cloneWithoutLoc",{enumerable:!0,get:function(){return

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b.default })),Object.defineProperty(t,\\\\"addComment\\\\",{enumerable:!0,get:function(){return
g.default })),Object.defineProperty(t,\\\\"addComments\\\\",{enumerable:!0,get:function(){return
S.default })),Object.defineProperty(t,\\\\"inheritInnerComments\\\\",{enumerable:!0,get:function(){return
x.default })),Object.defineProperty(t,\\\\"inheritLeadingComments\\\\",{enumerable:!0,get:function(){return
E.default })),Object.defineProperty(t,\\\\"inheritsComments\\\\",{enumerable:!0,get:function(){return
P.default })),Object.defineProperty(t,\\\\"inheritTrailingComments\\\\",{enumerable:!0,get:function(){return
v.default })),Object.defineProperty(t,\\\\"removeComments\\\\",{enumerable:!0,get:function(){return
A.default })),Object.defineProperty(t,\\\\"ensureBlock\\\\",{enumerable:!0,get:function(){return
I.default })),Object.defineProperty(t,\\\\"toBindingIdentifierName\\\\",{enumerable:!0,get:function(){return
C.default })),Object.defineProperty(t,\\\\"toBlock\\\\",{enumerable:!0,get:function(){return
N.default })),Object.defineProperty(t,\\\\"toComputedKey\\\\",{enumerable:!0,get:function(){return
k.default })),Object.defineProperty(t,\\\\"toExpression\\\\",{enumerable:!0,get:function(){return
D.default })),Object.defineProperty(t,\\\\"toIdentifier\\\\",{enumerable:!0,get:function(){return
_.default })),Object.defineProperty(t,\\\\"toKeyAlias\\\\",{enumerable:!0,get:function(){return
L.default })),Object.defineProperty(t,\\\\"toSequenceExpression\\\\",{enumerable:!0,get:function(){return
M.default })),Object.defineProperty(t,\\\\"toStatement\\\\",{enumerable:!0,get:function(){return
j.default })),Object.defineProperty(t,\\\\"valueToNode\\\\",{enumerable:!0,get:function(){return
F.default })),Object.defineProperty(t,\\\\"appendToMemberExpression\\\\",{enumerable:!0,get:function(){return
B.default })),Object.defineProperty(t,\\\\"inherits\\\\",{enumerable:!0,get:function(){return
U.default })),Object.defineProperty(t,\\\\"prependToMemberExpression\\\\",{enumerable:!0,get:function(){return
V.default })),Object.defineProperty(t,\\\\"removeProperties\\\\",{enumerable:!0,get:function(){return
K.default })),Object.defineProperty(t,\\\\"removePropertiesDeep\\\\",{enumerable:!0,get:function(){return
q.default })),Object.defineProperty(t,\\\\"removeTypeDuplicates\\\\",{enumerable:!0,get:function(){return
Y.default })),Object.defineProperty(t,\\\\"getBindingIdentifiers\\\\",{enumerable:!0,get:function(){return
W.default })),Object.defineProperty(t,\\\\"getOuterBindingIdentifiers\\\\",{enumerable:!0,get:function(){return
X.default })),Object.defineProperty(t,\\\\"traverse\\\\",{enumerable:!0,get:function(){return
J.default })),Object.defineProperty(t,\\\\"traverseFast\\\\",{enumerable:!0,get:function(){return
H.default })),Object.defineProperty(t,\\\\"shallowEqual\\\\",{enumerable:!0,get:function(){return
G.default })),Object.defineProperty(t,\\\\"is\\\\",{enumerable:!0,get:function(){return
z.default })),Object.defineProperty(t,\\\\"isBinding\\\\",{enumerable:!0,get:function(){return
$.default })),Object.defineProperty(t,\\\\"isBlockScoped\\\\",{enumerable:!0,get:function(){return
Q.default })),Object.defineProperty(t,\\\\"isImmutable\\\\",{enumerable:!0,get:function(){return
Z.default })),Object.defineProperty(t,\\\\"isLet\\\\",{enumerable:!0,get:function(){return
ee.default })),Object.defineProperty(t,\\\\"isNode\\\\",{enumerable:!0,get:function(){return
te.default })),Object.defineProperty(t,\\\\"isNodesEquivalent\\\\",{enumerable:!0,get:function(){return
re.default })),Object.defineProperty(t,\\\\"isPlaceholderType\\\\",{enumerable:!0,get:function(){return
ne.default })),Object.defineProperty(t,\\\\"isReferenced\\\\",{enumerable:!0,get:function(){return
ie.default })),Object.defineProperty(t,\\\\"isScope\\\\",{enumerable:!0,get:function(){return
se.default })),Object.defineProperty(t,\\\\"isSpecifierDefault\\\\",{enumerable:!0,get:function(){return
ae.default })),Object.defineProperty(t,\\\\"isType\\\\",{enumerable:!0,get:function(){return
oe.default })),Object.defineProperty(t,\\\\"isValidES3Identifier\\\\",{enumerable:!0,get:function(){return
le.default })),Object.defineProperty(t,\\\\"isValidIdentifier\\\\",{enumerable:!0,get:function(){return
ce.default })),Object.defineProperty(t,\\\\"isVar\\\\",{enumerable:!0,get:function(){return
pe.default })),Object.defineProperty(t,\\\\"matchesPattern\\\\",{enumerable:!0,get:function(){return
ue.default })),Object.defineProperty(t,\\\\"validate\\\\",{enumerable:!0,get:function(){return
de.default })),Object.defineProperty(t,\\\\"buildMatchMemberExpression\\\\",{enumerable:!0,get:function(){return
he.default })),t.react=void 0;var
i=r(264),s=r(265),a=r(266),o=r(274),l=r(275);Object.keys(l).forEach((function(e){\\\\"default\\\\"!==e&&\\\\"__esModule

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n=e.lastIndexOf("\\\\\\"");if(n<0)return t;if((e=e.slice(0,n)).match(/^[^\\\/]+:\\\\\/)?\\\\\\*$/)return t;+r}return
Array(r+1).join("\\\\\\"..\\\\"")+t.substr(e.length+1)};var p=!{\\\\"__proto__\\\\"in Object.create(null)};function u(e){return
e}function d(e){if(!e)return!1;var t=e.length;if(t<9)return!1;if(95!==(e.charCodeAt(t-1))|95!==(e.charCodeAt(t-
2))|111!==(e.charCodeAt(t-3))|116!==(e.charCodeAt(t-4))|111!==(e.charCodeAt(t-5))|114!==(e.charCodeAt(t-
6))|112!==(e.charCodeAt(t-7))|95!==(e.charCodeAt(t-8))|95!==(e.charCodeAt(t-9))return!1;for(var r=t-10;r>=0;r--
)if(36!==(e.charCodeAt(r))return!1;return!0}function h(e,t){return e===t?0:null===e?1:null===t?-1:e>t?1:-
1}t.toSetString=p?u:function(e){return d(e)?\\"$\\\\"+e:e},t.fromSetString=p?u:function(e){return
d(e)?e.slice(1):e},t.compareByOriginalPositions=function(e,t,r){var n=h(e.source,t.source);return
0!==(n|0)!==(n=e.originalLine-t.originalLine)|0!==(n=e.originalColumn-
t.originalColumn)||r|0!==(n=e.generatedColumn-t.generatedColumn)|0!==(n=e.generatedLine-
t.generatedLine)?n:h(e.name,t.name)},t.compareByOriginalPositionsNoSource=function(e,t,r){var n;return
0!==(n=e.originalLine-t.originalLine)|0!==(n=e.originalColumn-t.originalColumn)||r|0!==(n=e.generatedColumn-
t.generatedColumn)|0!==(n=e.generatedLine-
t.generatedLine)?n:h(e.name,t.name)},t.compareByGeneratedPositionsDeflated=function(e,t,r){var
n=e.generatedLine-t.generatedLine;return 0!==(n|0)!==(n=e.generatedColumn-
t.generatedColumn)||r|0!==(n=h(e.source,t.source))|0!==(n=e.originalLine-
t.originalLine)|0!==(n=e.originalColumn-
t.originalColumn)?n:h(e.name,t.name)},t.compareByGeneratedPositionsDeflatedNoLine=function(e,t,r){var
n=e.generatedColumn-t.generatedColumn;return 0!==(n|0)!==(n=h(e.source,t.source))|0!==(n=e.originalLine-
t.originalLine)|0!==(n=e.originalColumn-
t.originalColumn)?n:h(e.name,t.name)},t.compareByGeneratedPositionsInflated=function(e,t){var
r=e.generatedLine-t.generatedLine;return 0!==(r|0)!==(r=e.generatedColumn-
t.generatedColumn)|0!==(r=h(e.source,t.source))|0!==(r=e.originalLine-t.originalLine)|0!==(r=e.originalColumn-
t.originalColumn)?r:h(e.name,t.name)},t.parseSourceMapInput=function(e){return
JSON.parse(e.replace(/^[^\\\/]*/n,/n,\\\\""))},t.computeSourceURL=function(e,t,r){if(t=t\\\\"\\\\"",e&&(\\\\"\\\\"
\\\\"!==(e.length-1)&&\\\\"\\\\"!==(t[0]&&(e+\\\\"\\\\"),t=e+t),r){var n=i(r);if(!n)throw new Error(\\\\"sourceMapURL
could not be parsed\\\\"");if(n.path){var
a=n.path.lastIndexOf(\\\\"\\\\"");a>=0&&(n.path=n.path.substring(0,a+1))}t=c(s(n),t)}return
l(t)},function(e,t){e.exports=function(e){var t=typeof e;return
null!=e&&(\\\\"object\\\\"==t||\\\\"function\\\\"==t)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e,t=!0){if(\\\\"string\\\\"!=typeof
e)return!1;if(t){if((0,n.isKeyword)(e)|(0,n.isStrictReservedWord)(e))return!1;if(\\\\"await\\\\"===e)return!1}return(0,
n.isIdentifierName)(e)};var n=r(19)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e,t=!0){if(\\\\"string\\\\"!=typeof
e)return!1;if(t&&((0,n.isKeyword)(e)|(0,n.isStrictReservedWord)(e,!0)))return!1;return(0,n.isIdentifierName)(e)};v
ar n=r(19)},function(e,t){t.getArg=function(e,t,r){if(t in e)return e[t];if(3===arguments.length)return r;throw new
Error(\\\\""+t+\\\\" is a required argument.");var r=/(?:(\\\\"w+\\\\"-
.+)?:)?\\\\\\\/(?:((\\\\"w+\\\\"w+)?)@?(\\\\"w.*")*(?:((\\\\"d+\\\\")?(\\\\"S*")$/n,/^data:.+\\\\".,+$/);function i(e){var
t=e.match(r);return t?[1,auth:t[2],host:t[3],port:t[4],path:t[5]]:null}function s(e){var t=\\\\"\\\\"";return
e.scheme&&(t+=e.scheme+\\\\"\\\\"),t+=\\\\"\\\\"",e.auth&&(t+=e.auth+\\\\"@\\\\"),e.host&&(t+=e.host),e.port&&(t+=\\\\"
\\\\"+e.port),e.path&&(t+=e.path),t}function a(e){var r=e,n=i(e);if(n){if(!n.path)return e;r=n.path}for(var
a,o=t.isAbsolute(r),l=r.split(/\\\/+/),c=0,p=l.length-1;p>=0;p--
)\\\\".\\\\"===a=l[p]?l.splice(p,1):\\\\".\\\\"===a?c++:c>0&&(\\\\"\\\\"===a?(l.splice(p+1,c),c=0):(l.splice(p,2),c--
));return\\\\"\\\\"===(r=l.join(\\\\"\\\\"))&&(r=o?\\\\"\\\\".\\\\".\\\\"),n?(n.path=r,s(n)):r}t.urlParse=i,t.urlGenerate=s,t.norm
alize=a,t.join=function(e,t){\\\\"\\\\"===e&&(e=\\\\".\\\\"),\\\\"\\\\"===t&&(t=\\\\".\\\\"");var
r=i(t),o=i(e);if(o&&(e=o.path||\\\\"\\\\"),r&&!r.scheme)return o&&(r.scheme=o.scheme),s(r);if(r|t.match(n))return
t;if(o&&!o.host&&!o.path)return o.host=t,s(o);var
l=\\\\"\\\\"===t.charAt(0)?a(e.replace(/\\\/+$/,\\\\"\\\\"))+\\\\"\\\\"+t):return

```

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o?(o.path=l,s(o):l},t.isAbsolute=function(e){return!!/^\\/===e.charAt(0)||!e.match(r)},t.relative=function(e,t){\\/
\\/===e&&(e=\\/\\.\\/),e=e.replace(/\\/\\$/,\\/\\/);for(var r=0;0!==t.indexOf(e+\\/\\/));{var
n=e.lastIndexOf(\\/\\/);if(n<0)return t;if((e=e.slice(0,n)).match(/^[^\\/]+:\\/)?\\/\\*$/)return t;++r}return
Array(r+1).join(\\/\\.\\/")+t.substr(e.length+1)};var o=!(/__proto__ in Object.create(null));function l(e){return
e}function c(e){if(!e)return!1;var t=e.length;if(t<9)return!1;if(95!==e.charCodeAt(t-1)||95!==e.charCodeAt(t-
2)||111!==e.charCodeAt(t-3)||116!==e.charCodeAt(t-4)||111!==e.charCodeAt(t-5)||114!==e.charCodeAt(t-
6)||112!==e.charCodeAt(t-7)||95!==e.charCodeAt(t-8)||95!==e.charCodeAt(t-9))return!1;for(var r=t-10;r>=0;r--
)if(36!==e.charCodeAt(r))return!1;return!0}function p(e,t){return e===t?0:e>t?1:-
1}t.toSetString=o?!:function(e){return c(e)?\\"$\\"+e},t.fromSetString=o?!:function(e){return
c(e)?e.slice(1):e},t.compareByOriginalPositions=function(e,t,r){var n=e.source-t.source;return
0!==(n||0!==(n=e.originalLine-t.originalLine)||0!==(n=e.originalColumn-
t.originalColumn)||r||0!==(n=e.generatedColumn-t.generatedColumn)||0!==(n=e.generatedLine-
t.generatedLine)?n:e.name-t.name},t.compareByGeneratedPositionsDeflated=function(e,t,r){var n=e.generatedLine-
t.generatedLine;return 0!==(n||0!==(n=e.generatedColumn-t.generatedColumn)||r||0!==(n=e.source-
t.source)||0!==(n=e.originalLine-t.originalLine)||0!==(n=e.originalColumn-t.originalColumn)?n:e.name-
t.name},t.compareByGeneratedPositionsInflated=function(e,t){var r=e.generatedLine-t.generatedLine;return
0!==(r||0!==(r=e.generatedColumn-t.generatedColumn)||0!==(r=p(e.source,t.source))||0!==(r=e.originalLine-
t.originalLine)||0!==(r=e.originalColumn-t.originalColumn)?r:p(e.name,t.name)}},function(e,t,r){var
n=r(141),i=r(142),s=r(143),a=r(144),o=r(145);function l(e){var t=-
1,r=null==e?0:e.length;for(this.clear();++t<r;){var
n=e[t];this.set(n[0],n[1])}l.prototype.clear=n,l.prototype.delete=i,l.prototype.get=s,l.prototype.has=a,l.prototype.set
=o,e.exports=l},function(e,t,r){var n=r(66);e.exports=function(e,t){for(var r=e.length;r--);if(n(e[r][0],t))return
r;return-1}},function(e,t,r){var n=r(11)(Object,\\/create\\/);e.exports=n},function(e,t,r){var
n=r(166);e.exports=function(e,t){var r=e.__data__;return n(t)?r[\\/string\\/]==typeof
t?\\/string\\/:\\/hash\\/:r.map}},function(e,t,r){var n=r(70),i=r(71);e.exports=function(e,t,r,s){var
a=!r;r||(r={});for(var o=-1,l=t.length;++o<l;){var c=t[o],p=s?s(r[c],e[c],c,r,e):void 0;void
0===p&&(p=e[c]),a?i(r,c,p):n(r,c,p)}return r}},function(e,t){e.exports=function(e){return
e.webpackPolyfill||(e.deprecate=function(){},e.paths=[],e.children||(e.children=[]),Object.defineProperty(e,\\/loade
d\\/,{enumerable:!0,get:function(){return
e.l}}),Object.defineProperty(e,\\/id\\/,{enumerable:!0,get:function(){return
e.i}}),e.webpackPolyfill=1,e)},function(e,t){e.exports=function(e){return function(t){return
e(t)}},function(e,t,r){(function(e){var n=r(68),i=t&&!t.nodeType&&t.s=i&&\\/object\\/==typeof
e&&e&&!e.nodeType&&e.a=s&&s.exports===i&&n.process,o=function(){try{var
e=s&&s.require&&s.require(\\/util\\/).types;return
e||a&&a.binding&&a.binding(\\/util\\/)}catch(e){}});e.exports=o).call(this,r(31)(e)),function(e,t,r){\\/use
strict\\/:Object.defineProperty(t,\\/__esModule\\/,{value:!0}),t.default=function(e,t,r){if(!t)return!1;if(!t,i.default
)(t.type,e))return!r&&\\/Placeholder\\/===t.type&&e in
a.FLIPPED_ALIAS_KEYS&&(0,s.default)(t.expectedNode,e);return void 0===r||(0,n.default)(t,r)};var
n=o(r(39)),i=o(r(51)),s=o(r(82)),a=r(5);function o(e){return
e&&e.__esModule?:{default:e}},function(e,t,r){\\/use
strict\\/:Object.defineProperty(t,\\/__esModule\\/,{value:!0}),t.default=i;var n=r(2);function i(e,t,r){let
s=[].concat(e);const a=Object.create(null);for(;s.length;){const e=s.shift();if(!e)continue;const
o=i.keys[e.type];if((0,n.isIdentifier)(e))if(t){a[e.name]=a[e.name]||[]}.push(e)}else a[e.name]=e;else
if((0,n.isExportDeclaration)(e))(0,n.isDeclaration)(e.declaration)&&s.push(e.declaration);else if(r){if((0,n.isFuncio
nDeclaration)(e)){s.push(e.id);continue}if((0,n.isFunctionExpression)(e))continue}if(o)for(let
t=0;t<o.length;t++){const r=o[t];e[r]&&(s=s.concat(e[r]))}}return
a}i.keys={DeclareClass:\\/id\\/,DeclareFunction:\\/id\\/,DeclareModule:\\/id\\/,DeclareVariable:\\/id\\/
,DeclareInterface:\\/id\\/,DeclareTypeAlias:\\/id\\/,DeclareOpaqueType:\\/id\\/,InterfaceDeclaration:\\/id

```

```

\\",TypeAlias:[\\"id\\"],OpaqueType:[\\"id\\"],CatchClause:[\\"param\\"],LabeledStatement:[\\"label\\"],Unary
Expression:[\\"argument\\"],AssignmentExpression:[\\"left\\"],ImportSpecifier:[\\"local\\"],ImportNamespaceSp
ecifier:[\\"local\\"],ImportDefaultSpecifier:[\\"local\\"],ImportDeclaration:[\\"specifiers\\"],ExportSpecifier:[\\"e
xported\\"],ExportNamespaceSpecifier:[\\"exported\\"],ExportDefaultSpecifier:[\\"exported\\"],FunctionDeclarati
on:[\\"id\\",\\"params\\"],FunctionExpression:[\\"id\\",\\"params\\"],ArrowFunctionExpression:[\\"params\\"],
ObjectMethod:[\\"params\\"],ClassMethod:[\\"params\\"],ForInStatement:[\\"left\\"],ForOfStatement:[\\"left\\"]
,ClassDeclaration:[\\"id\\"],ClassExpression:[\\"id\\"],RestElement:[\\"argument\\"],UpdateExpression:[\\"argu
ment\\"],ObjectProperty:[\\"value\\"],AssignmentPattern:[\\"left\\"],ArrayPattern:[\\"elements\\"],ObjectPattern:
[\\"properties\\"],VariableDeclaration:[\\"declarations\\"],VariableDeclarator:[\\"id\\"]},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e,t,r){if(!t)return!1;if(!0,i.default
)(t.type,e))return!r&&\\\\"Placeholder\\\\"===t.type&&e in
a.FLIPPED_ALIAS_KEYS&&(0,s.default)(t.expectedNode,e);return void 0===r||(0,n.default)(t,r);var
n=r(54),i=r(56),s=r(104),a=r(6)},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=i;var n=r(1);function i(e,t,r){let
s=[].concat(e);const a=Object.create(null);for(;s.length;){const e=s.shift();if(!e)continue;const
o=i.keys[e.type];if((0,n.isIdentifier)(e))if(t){(a[e.name]=a[e.name]||[]).push(e)}else a[e.name]=e;else
if(!(0,n.isExportDeclaration)(e)||(0,n.isExportAllDeclaration)(e)){if(r){if((0,n.isFunctionDeclaration)(e)){s.push(e.id
)};continue}if((0,n.isFunctionExpression)(e))continue}if(o)for(let t=0;t<o.length;t++){const
r=o[t];e[r]&&(s=s.concat(e[r]))}else(0,n.isDeclaration)(e.declaration)&&s.push(e.declaration)}return
a}i.keys={DeclareClass:[\\"id\\"],DeclareFunction:[\\"id\\"],DeclareModule:[\\"id\\"],DeclareVariable:[\\"id\\"]
,DeclareInterface:[\\"id\\"],DeclareTypeAlias:[\\"id\\"],DeclareOpaqueType:[\\"id\\"],InterfaceDeclaration:[\\"id
\\"],TypeAlias:[\\"id\\"],OpaqueType:[\\"id\\"],CatchClause:[\\"param\\"],LabeledStatement:[\\"label\\"],Unary
Expression:[\\"argument\\"],AssignmentExpression:[\\"left\\"],ImportSpecifier:[\\"local\\"],ImportNamespaceSp
ecifier:[\\"local\\"],ImportDefaultSpecifier:[\\"local\\"],ImportDeclaration:[\\"specifiers\\"],ExportSpecifier:[\\"e
xported\\"],ExportNamespaceSpecifier:[\\"exported\\"],ExportDefaultSpecifier:[\\"exported\\"],FunctionDeclarati
on:[\\"id\\",\\"params\\"],FunctionExpression:[\\"id\\",\\"params\\"],ArrowFunctionExpression:[\\"params\\"],
ObjectMethod:[\\"params\\"],ClassMethod:[\\"params\\"],ForInStatement:[\\"left\\"],ForOfStatement:[\\"left\\"]
,ClassDeclaration:[\\"id\\"],ClassExpression:[\\"id\\"],RestElement:[\\"argument\\"],UpdateExpression:[\\"argu
ment\\"],ObjectProperty:[\\"value\\"],AssignmentPattern:[\\"left\\"],ArrayPattern:[\\"elements\\"],ObjectPattern:
[\\"properties\\"],VariableDeclaration:[\\"declarations\\"],VariableDeclarator:[\\"id\\"]},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.clear=function(){s(),a()},t.clearPath=s,t.clearScope
=a,t.scope=t.path=void 0;let n=new WeakMap;t.path=n;let i=new WeakMap;function s(){t.path=n=new
WeakMap}function a(){t.scope=i=new WeakMap}t.scope=i},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e,t){const
r=Object.keys(t);for(const n of r)if(e[n]!==t[n])return!1;return!0}},function(e,t,r){var
n=r(11)(r(7),\\\\"Map\\\\");e.exports=n},function(e,t,r){var n=r(7).Symbol;e.exports=n},function(e,t,r){var
n=r(72),i=r(180),s=r(76);e.exports=function(e){return s(e)?n(e):i(e)},function(e,t){var
r=Array.isArray;e.exports=r},function(e,t){var r=Object.prototype;e.exports=function(e){var
t=e&&e.constructor;return e===("\\\"function\\\"")==typeof t&&t.prototype||r}},function(e,t,r){var
n=r(72),i=r(183),s=r(76);e.exports=function(e){return s(e)?n(e,!0):i(e)},function(e,t,r){var
n=r(188),i=r(77),s=Object.prototype.propertyIsEnumerable,a=Object.getOwnPropertySymbols,o=a?function(e){retu
rn null==e?[]:(e=Object(e),n(a(e),(function(t){return s.call(e,t)})))};i.e.exports=o},function(e,t,r){var
n=r(75)(Object.getPrototypeOf,Object);e.exports=n},function(e,t,r){var
n=r(192),i=r(40),s=r(193),a=r(194),o=r(195),l=r(18),c=r(69),p=c(n),u=c(i),d=c(s),h=c(a),f=c(o),m=l;(n&&\\\\"[objec
t DataView]\\\\"!=m(new n(new ArrayBuffer(1)))||i&&\\\\"[object Map]\\\\"!=m(new i)||s&&\\\\"[object
Promise]\\\\"!=m(s.resolve())||a&&\\\\"[object Set]\\\\"!=m(new a)||o&&\\\\"[object WeakMap]\\\\"!=m(new
o))&&(m=function(e){var t=l(e),r=\\\\"[object Object]\\\\"===t?e.constructor:void
0,n=r?c(r):\\\\"\\\\";if(n)switch(n){case p:return\\\\"[object DataView]\\\\";case u:return\\\\"[object Map]\\\\";case

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d:return\[\[object Promise]\]\];case h:return\[\[object Set]\]\];case f:return\[\[object WeakMap]\]\]return
t}),e.exports=m},function(e,t,r){var n=r(198);e.exports=function(e){var t=new e.constructor(e.byteLength);return
new n(t).set(new n(e),t)},function(e,t,r){\[\[use
strict\]\];Object.defineProperty(t,\[\[__esModule\]\],{value:!0}),t.classMethodOrDeclareMethodCommon=t.classMe
thodOrPropertyCommon=t.patternLikeCommon=t.functionDeclarationCommon=t.functionTypeAnnotationCommon=t.functionCommon=void 0;var n=c(r(34)),i=c(r(23)),s=r(19),a=r(13),o=function(e){if(e&&e.__esModule)return
e;if(null===e\[\[object\]\]!==typeof e&&\[\[function\]\]!==typeof e)return{default:e};var t=l();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(9));function l(){if(\[\[function\]\]!==typeof WeakMap)return null;var e=new WeakMap;return
l=function(){return e},e}function c(e){return
e&&e.__esModule?:{default:e}}(0,o.default)(\[\[ArrayExpression\]\],{fields:{elements:{validate:(0,o.o.chain)((0,o.a
ssertValueType)(\[\[array\]\]),(0,o.o.assertEach)((0,o.o.assertNodeOrValueType)(\[\[null\]\],\[\[Expression\]\],\[\[Spread
Element\]\]))},default:process.env.BABEL_TYPES_8_BREAKING?void
0:[]}},visitor:\[\[elements\]\],aliases:\[\[Expression\]\]}),(0,o.default)(\[\[AssignmentExpression\]\],{fields:{oper
ator:{validate:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(0,o.o.assertValueType)(\[\[string\]\]
)};const e=(0,o.o.assertOneOf)(...a.ASSIGNMENT_OPERATORS),t=(0,o.o.assertOneOf)(\[\[=]\]\]);return
function(r,i,s){((0,n.default)(\[\[Pattern\]\],r.left)?t:e)(r,i,s)}},left:{validate:process.env.BABEL_TYPES_8_BRE
AKING?(0,o.o.assertNodeType)(\[\[Identifier\]\],\[\[MemberExpression\]\],\[\[ArrayPattern\]\],\[\[ObjectPattern\]\]):(
0,o.o.assertNodeType)(\[\[LVal\]\]}},right:{validate:(0,o.o.assertNodeType)(\[\[Expression\]\]}},builder:\[\[operator\]\]
,\[\[left\]\],\[\[right\]\],visitor:\[\[left\]\],\[\[right\]\],aliases:\[\[Expression\]\]}),(0,o.default)(\[\[BinaryExpressio
n\]\],{builder:\[\[operator\]\],\[\[left\]\],\[\[right\]\],fields:{operator:{validate:(0,o.o.assertOneOf)(...a.BINARY_OPE
RATORS)}},left:{validate:function(){const
e=(0,o.o.assertNodeType)(\[\[Expression\]\]),t=(0,o.o.assertNodeType)(\[\[Expression\]\],\[\[PrivateName\]\]),r=functio
n(r,n,i){(\[\[in\]\]===r.operator?t:e)(r,n,i)};return
r.oneOfNodeTypes=\[\[Expression\]\],\[\[PrivateName\]\],r)},right:{validate:(0,o.o.assertNodeType)(\[\[Expressio
n\]\]}},visitor:\[\[left\]\],\[\[right\]\],aliases:\[\[Binary\]\],\[\[Expression\]\]}),(0,o.default)(\[\[InterpreterDirectiv
e\]\],{builder:\[\[value\]\],fields:{value:{validate:(0,o.o.assertValueType)(\[\[string\]\]}},(0,o.default)(\[\[Directiv
e\]\],{visitor:\[\[value\]\],fields:{value:{validate:(0,o.o.assertNodeType)(\[\[DirectiveLiteral\]\]}},(0,o.default)(\[\[
DirectiveLiteral\]\],{builder:\[\[value\]\],fields:{value:{validate:(0,o.o.assertValueType)(\[\[string\]\]}},(0,o.defa
ult)(\[\[BlockStatement\]\],{builder:\[\[body\]\],\[\[directives\]\],visitor:\[\[directives\]\],\[\[body\]\],fields:{direct
ives:{validate:(0,o.o.chain)((0,o.o.assertValueType)(\[\[array\]\]),(0,o.o.assertEach)((0,o.o.assertNodeType)(\[\[Directive\]\]
))),default:[]},body:{validate:(0,o.o.chain)((0,o.o.assertValueType)(\[\[array\]\]),(0,o.o.assertEach)((0,o.o.assertNodeType)(
\[\[Statement\]\]))}},aliases:\[\[Scopable\]\],\[\[BlockParent\]\],\[\[Block\]\],\[\[Statement\]\]}),(0,o.default)(\[\[Br
eakStatement\]\],{visitor:\[\[label\]\],fields:{label:{validate:(0,o.o.assertNodeType)(\[\[Identifier\]\]),optional:!0}},al
aliases:\[\[Statement\]\],\[\[Terminatorless\]\],\[\[CompletionStatement\]\]}),(0,o.default)(\[\[CallExpression\]\],{visi
tor:\[\[callee\]\],\[\[arguments\]\],\[\[typeParameters\]\],\[\[typeArguments\]\],builder:\[\[callee\]\],\[\[arguments\]\]
},aliases:\[\[Expression\]\],fields:Object.assign({callee:{validate:(0,o.o.assertNodeType)(\[\[Expression\]\],\[\[V8Int
rinsicIdentifier\]\]}},arguments:{validate:(0,o.o.chain)((0,o.o.assertValueType)(\[\[array\]\]),(0,o.o.assertEach)((0,o.o.assert
NodeType)(\[\[Expression\]\],\[\[SpreadElement\]\],\[\[JSXNamespacedName\]\],\[\[ArgumentPlaceholder\]\]))}},p
rocess.env.BABEL_TYPES_8_BREAKING?{}:{optional:{validate:(0,o.o.assertOneOf)(!0,!1),optional:!0}},{typeAr
guments:{validate:(0,o.o.assertNodeType)(\[\[TypeParameterInstantiation\]\]),optional:!0},typeParameters:{validate:(
0,o.o.assertNodeType)(\[\[TSTypeParameterInstantiation\]\]),optional:!0}}},(0,o.default)(\[\[CatchClause\]\],{visito
r:\[\[param\]\],\[\[body\]\],fields:{param:{validate:(0,o.o.assertNodeType)(\[\[Identifier\]\],\[\[ArrayPattern\]\],\[\[Ob
jectPattern\]\]),optional:!0},body:{validate:(0,o.o.assertNodeType)(\[\[BlockStatement\]\]}},aliases:\[\[Scopable\]\],
\[\[BlockParent\]\]}),(0,o.default)(\[\[ConditionalExpression\]\],{visitor:\[\[test\]\],\[\[consequent\]\],\[\[alternate\]\]
},fields:{test:{validate:(0,o.o.assertNodeType)(\[\[Expression\]\]),consequent:{validate:(0,o.o.assertNodeType)(\[\[Exp

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ression\\")),alternate:{validate:(0,o.assertNodeType)(\\"Expression\\")},aliases:[\\"Expression\\",\\"Conditional
\\")},(0,o.default)(\\"ContinueStatement\\",{visitor:[\\"label\\"],fields:{label:{validate:(0,o.assertNodeType)(\\"I
dentifier\\"),optional:!0}},aliases:[\\"Statement\\",\\"Terminatorless\\",\\"CompletionStatement\\"]}),
(0,o.default)(\\"DebuggerStatement\\",{aliases:[\\"Statement\\"]}),
(0,o.default)(\\"DoWhileStatement\\",{visitor:[\\"test\\",\\"body\\"],fields:{test:{validate:(0,o.assertNodeType)(\\"Expression\\")},body:{validate:(0,o.assertNodeType)(\\"
Statement\\")}},aliases:[\\"Statement\\",\\"BlockParent\\",\\"Loop\\",\\"While\\",\\"Scopable\\"]}),
(0,o.default)(\\"EmptyStatement\\",{aliases:[\\"Statement\\"]}),
(0,o.default)(\\"ExpressionStatement\\",{visitor:[\\"expressi
on\\"],fields:{expression:{validate:(0,o.assertNodeType)(\\"Expression\\")}},aliases:[\\"Statement\\",\\"Expressi
onWrapper\\"]}),
(0,o.default)(\\"File\\",{builder:[\\"program\\",\\"comments\\",\\"tokens\\"],visitor:[\\"progra
m\\"],fields:{program:{validate:(0,o.assertNodeType)(\\"Program\\")},comments:{validate:process.env.BABEL_
TYPES_8_BREAKING?(0,o.assertEach)((0,o.assertNodeType)(\\"CommentBlock\\",\\"CommentLine\\")):Objec
t.assign(=>{}},{each:{oneOfNodeTypes:[\\"CommentBlock\\",\\"CommentLine\\"]}},optional:!0},tokens:{vali
date:(0,o.assertEach)(Object.assign(=>{}},{type:\\\\"any\\\\"})),optional:!0}},(0,o.default)(\\"ForInStatement\\",{
visitor:[\\"left\\",\\"right\\",\\"body\\"],aliases:[\\"Scopable\\",\\"Statement\\",\\"For\\",\\"BlockParent\\",\\"Lo
op\\",\\"ForXStatement\\"],fields:{left:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNode
Type)(\\"VariableDeclaration\\",\\"Identifier\\",\\"MemberExpression\\",\\"ArrayPattern\\",\\"ObjectPattern\\")
:(0,o.assertNodeType)(\\"VariableDeclaration\\",\\"LVal\\")},right:{validate:(0,o.assertNodeType)(\\"Expression\\
\\")},body:{validate:(0,o.assertNodeType)(\\"Statement\\")}}}),
(0,o.default)(\\"ForStatement\\",{visitor:[\\"init\\",\\"test\\",\\"update\\",\\"body\\"],aliases:[\\"Scopable\\",\\"Statement\\",\\"For\\",\\"BlockParent\\",\\"Lo
op\\"],fields:{init:{validate:(0,o.assertNodeType)(\\"VariableDeclaration\\",\\"Expression\\"),optional:!0},test:{val
idate:(0,o.assertNodeType)(\\"Expression\\"),optional:!0},update:{validate:(0,o.assertNodeType)(\\"Expression\\")
},optional:!0},body:{validate:(0,o.assertNodeType)(\\"Statement\\")}}});const
p={params:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"Ident
ifier\\",\\"Pattern\\",\\"RestElement\\",\\"TSPParameterProperty\\"))},generator:{default:!1},async:{default:!1}};
t.functionCommon=p;const
u={returnType:{validate:(0,o.assertNodeType)(\\"TypeAnnotation\\",\\"TSTypeAnnotation\\",\\"Noop\\"),option
al:!0},typeParameters:{validate:(0,o.assertNodeType)(\\"TypeParameterDeclaration\\",\\"TSTypeParameterDeclar
ation\\",\\"Noop\\"),optional:!0}};t.functionTypeAnnotationCommon=u;const
d=Object.assign({},p,{declare:{validate:(0,o.assertValueType)(\\"boolean\\"),optional:!0},id:{validate:(0,o.assertN
odeType)(\\"Identifier\\"),optional:!0}});t.functionDeclarationCommon=d,(0,o.default)(\\"FunctionDeclaration\\",
{builder:[\\"id\\",\\"params\\",\\"body\\",\\"generator\\",\\"async\\"],visitor:[\\"id\\",\\"params\\",\\"body\\",
\\"returnType\\",\\"typeParameters\\"],fields:Object.assign({},d,u,{body:{validate:(0,o.assertNodeType)(\\"Block
Statement\\")}},aliases:[\\"Scopable\\",\\"Function\\",\\"BlockParent\\",\\"FunctionParent\\",\\"Statement\\",\\"
Pureish\\",\\"Declaration\\"],validate:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(=>{});
const e=(0,o.assertNodeType)(\\"Identifier\\");return
function(t,r,i){(0,n.default)(\\"ExportDefaultDeclaration\\",t)||e(i,\\"id\\",i.id)}(0)),(0,o.default)(\\"FunctionExpr
ession\\",{inherits:\\\\"FunctionDeclaration\\",aliases:[\\"Scopable\\",\\"Function\\",\\"BlockParent\\",\\"Funcio
nParent\\",\\"Expression\\",\\"Pureish\\"],fields:Object.assign({},p,u,{id:{validate:(0,o.assertNodeType)(\\"Identi
fier\\"),optional:!0},body:{validate:(0,o.assertNodeType)(\\"BlockStatement\\")}}));const
h={typeAnnotation:{validate:(0,o.assertNodeType)(\\"TypeAnnotation\\",\\"TSTypeAnnotation\\",\\"Noop\\")},o
ptional:!0},decorators:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeTyp
e)(\\"Decorator\\"))});t.patternLikeCommon=h,(0,o.default)(\\"Identifier\\",{builder:[\\"name\\"],visitor:[\\"typ
eAnnotation\\",\\"decorators\\"],aliases:[\\"Expression\\",\\"PatternLike\\",\\"LVal\\",\\"TSEntityName\\"],fiel
ds:Object.assign({},h,{name:{validate:(0,o.chain)((0,o.assertValueType)(\\"string\\"),Object.assign((function(e,t,r)
{if(process.env.BABEL_TYPES_8_BREAKING&&!0,i.default)(r,!1))throw new TypeError(`\\"${r}\\\" is not a
valid identifier
name`)}),{type:\\\\"string\\\\"}})),optional:{validate:(0,o.assertValueType)(\\"boolean\\"),optional:!0}},validate(e,t,
r){if(!process.env.BABEL_TYPES_8_BREAKING)return;const

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i=/^\\|\\.(\\|\\w+)$/.exec(t);if(!i)return;const[,a]=i,o={computed:!1};if(\\|\\|property\\|\\|===a){if((0,n.default)(\\|\\|Member
Expression\\|\\|,e,o))return;if((0,n.default)(\\|\\|OptionalMemberExpression\\|\\|,e,o))return}else
if(\\|\\|key\\|\\|===a){if((0,n.default)(\\|\\|Property\\|\\|,e,o))return;if((0,n.default)(\\|\\|Method\\|\\|,e,o))return}else
if(\\|\\|exported\\|\\|===a){if((0,n.default)(\\|\\|ExportSpecifier\\|\\|,e))return}else
if(\\|\\|imported\\|\\|===a){if((0,n.default)(\\|\\|ImportSpecifier\\|\\|,e,{imported:r}))return}else
if(\\|\\|meta\\|\\|===a&&(0,n.default)(\\|\\|MetaProperty\\|\\|,e,{meta:r}))return;if(((0,s.isKeyword)(r.name)|(0,s.isReser
vedWord)(r.name))&&\\|\\|this\\|\\|!==r.name)throw new TypeError(\\|\\|`$${r.name}` is not a valid
identifier`));(0,o.default)(\\|\\|IfStatement\\|\\|,{visitor:[\\|\\|test\\|\\|,\\|\\|consequent\\|\\|,\\|\\|alternate\\|\\|],aliases:[\\|\\|State
ment\\|\\|,\\|\\|Conditional\\|\\|],fields:{test:{validate:(0,o.assertNodeType)(\\|\\|Expression\\|\\|)},consequent:{validate:(0,
o.assertNodeType)(\\|\\|Statement\\|\\|)},alternate:{optional:!0,validate:(0,o.assertNodeType)(\\|\\|Statement\\|\\|)}}}),
(0,o.default)(\\|\\|LabeledStatement\\|\\|,{visitor:[\\|\\|label\\|\\|,\\|\\|body\\|\\|],aliases:[\\|\\|Statement\\|\\|],fields:{label:{validate
:(0,o.assertNodeType)(\\|\\|Identifier\\|\\|)},body:{validate:(0,o.assertNodeType)(\\|\\|Statement\\|\\|)}}}),
(0,o.default)(\\|\\|StringLiteral\\|\\|,{builder:[\\|\\|value\\|\\|],fields:{value:{validate:(0,o.assertValueType)(\\|\\|string\\|\\|)}},aliases:[\\|\\|Ex
pression\\|\\|,\\|\\|Pureish\\|\\|,\\|\\|Literal\\|\\|,\\|\\|Immutable\\|\\|]}),
(0,o.default)(\\|\\|NumericLiteral\\|\\|,{builder:[\\|\\|value\\|\\|],deprecatedAlias:\\|\\|NumberLiteral\\|\\|,fields:{value:{validate:(0,o.assertValueType)(\\|\\|number\\|\\|)}},aliases:[\\|\\|
Expression\\|\\|,\\|\\|Pureish\\|\\|,\\|\\|Literal\\|\\|,\\|\\|Immutable\\|\\|]}),
(0,o.default)(\\|\\|NullLiteral\\|\\|,{aliases:[\\|\\|Expressio
n\\|\\|,\\|\\|Pureish\\|\\|,\\|\\|Literal\\|\\|,\\|\\|Immutable\\|\\|]}),
(0,o.default)(\\|\\|BooleanLiteral\\|\\|,{builder:[\\|\\|value\\|\\|],fields
:{value:{validate:(0,o.assertValueType)(\\|\\|boolean\\|\\|)}},aliases:[\\|\\|Expression\\|\\|,\\|\\|Pureish\\|\\|,\\|\\|Literal\\|\\|,\\|\\|I
mmutable\\|\\|]}),
(0,o.default)(\\|\\|RegExpLiteral\\|\\|,{builder:[\\|\\|pattern\\|\\|,\\|\\|flags\\|\\|],deprecatedAlias:\\|\\|RegexLit
eral\\|\\|,aliases:[\\|\\|Expression\\|\\|,\\|\\|Pureish\\|\\|,\\|\\|Literal\\|\\|],fields:{pattern:{validate:(0,o.assertValueType)(\\|\\|stri
ng\\|\\|)},flags:{validate:(0,o.chain)((0,o.assertValueType)(\\|\\|string\\|\\|),Object.assign((function(e,t,r){if(!process.env
.BABEL_TYPES_8_BREAKING)return;const n=/^gimsuy/.exec(r);if(n)throw new TypeError(\\|\\|`$${n[0]}` is
not a valid RegExp
flag`))},{type:\\|\\|string\\|\\|}),default:\\|\\|``}}}),
(0,o.default)(\\|\\|LogicalExpression\\|\\|,{builder:[\\|\\|operator\\|\\|,\\|\\|l
eft\\|\\|,\\|\\|right\\|\\|],visitor:[\\|\\|left\\|\\|,\\|\\|right\\|\\|],aliases:[\\|\\|Binary\\|\\|,\\|\\|Expression\\|\\|],fields:{operator:{validate:(
0,o.assertOneOf)(...a.LOGICAL_OPERATORS)},left:{validate:(0,o.assertNodeType)(\\|\\|Expression\\|\\|)},right:{val
idate:(0,o.assertNodeType)(\\|\\|Expression\\|\\|)}}}),
(0,o.default)(\\|\\|MemberExpression\\|\\|,{builder:[\\|\\|object\\|\\|,\\|\\|
property\\|\\|,\\|\\|computed\\|\\|,\\|\\|optional\\|\\|],visitor:[\\|\\|object\\|\\|,\\|\\|property\\|\\|],aliases:[\\|\\|Expression\\|\\|,\\|\\|LVal
\\|\\|],fields:Object.assign({object:{validate:(0,o.assertNodeType)(\\|\\|Expression\\|\\|)},property:{validate:function(){c
onst
e=(0,o.assertNodeType)(\\|\\|Identifier\\|\\|,\\|\\|PrivateName\\|\\|),t=(0,o.assertNodeType)(\\|\\|Expression\\|\\|),r=function(
r,n,i){(r.computed?t:e)(r,n,i)};return
r.oneOfNodeTypes=[\\|\\|Expression\\|\\|,\\|\\|Identifier\\|\\|,\\|\\|PrivateName\\|\\|],r}),computed:{default:!1}},process.en
v.BABEL_TYPES_8_BREAKING?{optional:{validate:(0,o.assertOneOf)(!0,!1),optional:!0}}}),
(0,o.default)(\\|\\|NewExpression\\|\\|,{inherits:\\|\\|CallExpression\\|\\|}),
(0,o.default)(\\|\\|Program\\|\\|,{visitor:[\\|\\|directives\\|\\|,\\|\\|body
\\|\\|],builder:[\\|\\|body\\|\\|,\\|\\|directives\\|\\|,\\|\\|sourceType\\|\\|,\\|\\|interpreter\\|\\|],fields:{sourceFile:{validate:(0,o.assert
ValueType)(\\|\\|string\\|\\|)},sourceType:{validate:(0,o.assertOneOf)(\\|\\|script\\|\\|,\\|\\|module\\|\\|),default:\\|\\|script\\|\\|}
,interpreter:{validate:(0,o.assertNodeType)(\\|\\|InterpreterDirective\\|\\|),default:null,optional:!0},directives:{validate:
(0,o.chain)((0,o.assertValueType)(\\|\\|array\\|\\|),
(0,o.assertEach)((0,o.assertNodeType)(\\|\\|Directive\\|\\|))),default:[]},
body:{validate:(0,o.chain)((0,o.assertValueType)(\\|\\|array\\|\\|),
(0,o.assertEach)((0,o.assertNodeType)(\\|\\|Statement\\|\\|
\\|\\|))}},aliases:[\\|\\|Scopable\\|\\|,\\|\\|BlockParent\\|\\|,\\|\\|Block\\|\\|]}),
(0,o.default)(\\|\\|ObjectExpression\\|\\|,{visitor:[\\|\\|
properties\\|\\|],aliases:[\\|\\|Expression\\|\\|],fields:{properties:{validate:(0,o.chain)((0,o.assertValueType)(\\|\\|array\\|\\|),
(0,o.assertEach)((0,o.assertNodeType)(\\|\\|ObjectMethod\\|\\|,\\|\\|ObjectProperty\\|\\|,\\|\\|SpreadElement\\|\\|))}}}),
(0,o.default)(\\|\\|ObjectMethod\\|\\|,{builder:[\\|\\|kind\\|\\|,\\|\\|key\\|\\|,\\|\\|params\\|\\|,\\|\\|body\\|\\|,\\|\\|computed\\|\\|,\\|\\|generator
\\|\\|,\\|\\|async\\|\\|],fields:Object.assign({p,u,{kind:Object.assign({validate:(0,o.assertOneOf)(\\|\\|method\\|\\|,\\|\\|get\\|\\|
\\|\\|set\\|\\|)},process.env.BABEL_TYPES_8_BREAKING?{default:\\|\\|method\\|\\|}),computed:{default:!1},key:
{validate:function(){const
e=(0,o.assertNodeType)(\\|\\|Identifier\\|\\|,\\|\\|StringLiteral\\|\\|,\\|\\|NumericLiteral\\|\\|),t=(0,o.assertNodeType)(\\|\\|Expr

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ession\\"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return
r.oneOfNodeTypes=[\\"Expression\\",\\"Identifier\\",\\"StringLiteral\\",\\"NumericLiteral\\",r}],decorators:{
validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"Decorator\\"))),o
ptional:!0},body:{validate:(0,o.assertNodeType)(\\"BlockStatement\\")}},visitor:[\\"key\\",\\"params\\",\\"body
\\",\\"decorators\\",\\"returnType\\",\\"typeParameters\\"],aliases:[\\"UserWhitespacable\\",\\"Function\\",\\"S
copable\\",\\"BlockParent\\",\\"FunctionParent\\",\\"Method\\",\\"ObjectMember\\"]),(0,o.default)(\\"ObjectP
roperty\\",{builder:[\\"key\\",\\"value\\",\\"computed\\",\\"shorthand\\",...process.env.BABEL_TYPES_8_BRE
AKING?:[\\"decorators\\"]],fields:{computed:{default:!1},key:{validate:function(){const
e=(0,o.assertNodeType)(\\"Identifier\\",\\"StringLiteral\\",\\"NumericLiteral\\"),t=(0,o.assertNodeType)(\\"Expr
ession\\"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return
r.oneOfNodeTypes=[\\"Expression\\",\\"Identifier\\",\\"StringLiteral\\",\\"NumericLiteral\\",r]},value:{valid
ate:(0,o.assertNodeType)(\\"Expression\\",\\"PatternLike\\"),shorthand:{validate:(0,o.chain)((0,o.assertValueTyp
e)(\\"boolean\\"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&r&&e.computed)throw new TypeError(\\"Property shorthand of ObjectProperty cannot be true if computed is
true\\"))},{type:\\\\"boolean\\"}),(function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&r&&!0,n.defa
ult)(\\"Identifier\\",e.key))throw new TypeError(\\"Property shorthand of ObjectProperty cannot be true if key is
not an
Identifier\\"))}),default:!1},decorators:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,
o.assertNodeType)(\\"Decorator\\"))),optional:!0}},visitor:[\\"key\\",\\"value\\",\\"decorators\\"],aliases:[\\"Use
rWhitespacable\\",\\"Property\\",\\"ObjectMember\\"],validate:function(){const
e=(0,o.assertNodeType)(\\"Identifier\\",\\"PatternLike\\"),t=(0,o.assertNodeType)(\\"Expression\\");return
function(r,i,s){if(!process.env.BABEL_TYPES_8_BREAKING)return:(0,n.default)(\\"ObjectPattern\\",r)?e:t}(s,\\
"value\\",s.value)}(0)),(0,o.default)(\\"RestElement\\",{visitor:[\\"argument\\",\\"typeAnnotation\\"],builder:[\\
"argument\\",aliases:[\\"LVal\\",\\"PatternLike\\"],deprecatedAlias:\\\\"RestProperty\\"],fields:Object.assign({},h,
{argument:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)(\\"Identifier\\",\\"Patter
n\\",\\"MemberExpression\\"):(0,o.assertNodeType)(\\"LVal\\"}}),validate(e,t){if(!process.env.BABEL_TYPES
_8_BREAKING)return;const r=/(((w+))|(((d+)))/.exec(t);if(!r)throw new Error(\\"Internal Babel error:
malformed key.\\");const[n,i]=r;if(e[n].length>+1)throw new TypeError(\\"RestElement must be last element of
\\")+n})),(0,o.default)(\\"ReturnStatement\\",{visitor:[\\"argument\\"],aliases:[\\"Statement\\",\\"Terminatorless
\\",\\"CompletionStatement\\"],fields:{argument:{validate:(0,o.assertNodeType)(\\"Expression\\"),optional:!0}}
),(0,o.default)(\\"SequenceExpression\\",{visitor:[\\"expressions\\"],fields:{expressions:{validate:(0,o.chain)((0,o.
assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"Expression\\"))}}},aliases:[\\"Expression\\
\\"]),(0,o.default)(\\"ParenthesizedExpression\\",{visitor:[\\"expression\\"],aliases:[\\"Expression\\",\\"Expressi
onWrapper\\"],fields:{expression:{validate:(0,o.assertNodeType)(\\"Expression\\"}}}),0,o.default)(\\"SwitchCa
se\\",{visitor:[\\"test\\",\\"consequent\\"],fields:{test:{validate:(0,o.assertNodeType)(\\"Expression\\"),optional:!
0},consequent:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"St
atement\\"))}}}),0,o.default)(\\"SwitchStatement\\",{visitor:[\\"discriminant\\",\\"cases\\"],aliases:[\\"Stateme
nt\\",\\"BlockParent\\",\\"Scopable\\"],fields:{discriminant:{validate:(0,o.assertNodeType)(\\"Expression\\"}},ca
ses:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"SwitchCase\\
\\"))}}}),0,o.default)(\\"ThisExpression\\",{aliases:[\\"Expression\\"]}),0,o.default)(\\"ThrowStatement\\",{visi
tor:[\\"argument\\"],aliases:[\\"Statement\\",\\"Terminatorless\\",\\"CompletionStatement\\"],fields:{argument:{
validate:(0,o.assertNodeType)(\\"Expression\\"}}}),0,o.default)(\\"TryStatement\\",{visitor:[\\"block\\",\\"han
dler\\",\\"finalizer\\"],aliases:[\\"Statement\\"],fields:{block:{validate:(0,o.chain)((0,o.assertNodeType)(\\"Block
Statement\\"),Object.assign((function(e){if(process.env.BABEL_TYPES_8_BREAKING&&!e.handler&&!e.finali
zer)throw new TypeError(\\"TryStatement expects either a handler or finalizer, or
both\\"))},{oneOfNodeTypes:[\\"BlockStatement\\"]}}),handler:{optional:!0,validate:(0,o.assertNodeType)(\\"C
atchClause\\"}),finalizer:{optional:!0,validate:(0,o.assertNodeType)(\\"BlockStatement\\")}}}),0,o.default)(\\"U
naryExpression\\",{builder:[\\"operator\\",\\"argument\\",\\"prefix\\"],fields:{prefix:{default:!0},argument:{vali

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date:(0,o.assertNodeType)(\\"Expression\\"),operator:{validate:(0,o.assertOneOf(...a.UNARY_OPERATORS))},
visitor:[\\"argument\\"],aliases:[\\"UnaryLike\\"],(0,o.default)(\\"UpdateExpression\\"},{builder:[\\"operator\\"],\\"argument\\"},fields:{prefix:{default:!1},argument:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)(\\"Identifier\\"),\\"MemberExpression\\"}):
(0,o.assertNodeType)(\\"Expression\\"),operator:{validate:(0,o.assertOneOf(...a.UPDATE_OPERATORS))},visitor:[\\"argument\\"],aliases:[\\"Expression\\"]},(0,o.default)(\\"VariableDeclaration\\"},{builder:[\\"kind\\"],\\"declarations\\"},visitor:[\\"declarations\\"],aliases:[\\"Statement\\"],\\"Declaration\\"},fields:{declare:{validate:(0,o.assertValueType)(\\"boolean\\"),optional:!0},kind:{validate:(0,o.assertOneOf(\\\\"var\\\\"),\\\\"let\\\\"),\\"const\\"}},declarations:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),
(0,o.assertEach)((0,o.assertNodeType)(\\"VariableDeclarator\\"))}},validate(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&(0,n.default)(\\"ForXStatement\\"),e,{left:r})&&!
==r.declarations.length)throw new TypeError(\\"Exactly one VariableDeclarator is required in the
VariableDeclaration of a
\\"+e.type)}},(0,o.default)(\\"VariableDeclarator\\"},{visitor:[\\"id\\"],\\"init\\"},fields:{id:{validate:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(0,o.assertNodeType)(\\"LVal\\"");const
e=(0,o.assertNodeType)(\\"Identifier\\"),\\"ArrayPattern\\"},\\"ObjectPattern\\"),t=(0,o.assertNodeType)(\\"Identifier\\");return
function(r,n,i){(r.init?t(r,n,i)){}},definite:{optional:!0,validate:(0,o.assertValueType)(\\"boolean\\")},init:{optional:!0,validate:(0,o.assertNodeType)(\\"Expression\\")}},(0,o.default)(\\"WhileStatement\\"},{visitor:[\\"test\\"],\\"body\\"},aliases:[\\"Statement\\"],\\"BlockParent\\"},\\"Loop\\"},\\"While\\"},\\"Scopable\\"},fields:{test:{validate:(0,o.assertNodeType)(\\"Expression\\")},body:{validate:(0,o.assertNodeType)(\\"Statement\\")}},(0,o.default)(\\"WithStatement\\"},{visitor:[\\"object\\"],\\"body\\"},aliases:[\\"Statement\\"},fields:{object:{validate:(0,o.assertNodeType)(\\"Expression\\")},body:{validate:(0,o.assertNodeType)(\\"Statement\\")}},(0,o.default)(\\"AssignmentPattern\\"},{visitor:[\\"left\\"],\\"right\\"},\\"decorators\\"},builder:[\\"left\\"],\\"right\\"},aliases:[\\"Pattern\\"],\\"PatternLike\\"},\\"LVal\\"},fields:Object.assign({},h,{left:{validate:(0,o.assertNodeType)(\\"Identifier\\"),\\"ObjectPattern\\"},\\"ArrayPattern\\"},\\"MemberExpression\\"},right:{validate:(0,o.assertNodeType)(\\"Expression\\")},decorators:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),
(0,o.assertEach)((0,o.assertNodeType)(\\"Decorator\\"))},optional:!0)}},(0,o.default)(\\"ArrayPattern\\"},{visitor:[\\"elements\\"],\\"typeAnnotation\\"},builder:[\\"elements\\"},aliases:[\\"Pattern\\"},\\"PatternLike\\"},\\"LVal\\"},fields:Object.assign({},h,{elements:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),
(0,o.assertEach)((0,o.assertNodeOrValueType)(\\"null\\"},\\"PatternLike\\"))},decorators:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),
(0,o.assertEach)((0,o.assertNodeType)(\\"Decorator\\"))},optional:!0)}},(0,o.default)(\\"ArrowFunctionExpression\\"},{builder:[\\"params\\"],\\"body\\"},\\"async\\"},visitor:[\\"params\\"],\\"body\\"},\\"returnType\\"},\\"typeParameters\\"},aliases:[\\"Scopable\\"},\\"Function\\"},\\"BlockParent\\"},\\"FunctionParent\\"},\\"Expression\\"},\\"Pureish\\"},fields:Object.assign({},p,u,{expression:{validate:(0,o.assertValueType)(\\"boolean\\")},body:{validate:(0,o.assertNodeType)(\\"BlockStatement\\"},\\"Expression\\")}},(0,o.default)(\\"ClassBody\\"},{visitor:[\\"body\\"},fields:{body:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),
(0,o.assertEach)((0,o.assertNodeType)(\\"ClassMethod\\"},\\"ClassPrivateMethod\\"},\\"ClassProperty\\"},\\"ClassPrivateProperty\\"},\\"TSDeclareMethod\\"},\\"TSIndexSignature\\"))}}},(0,o.default)(\\"ClassExpression\\"},{builder:[\\"id\\"],\\"superClass\\"},\\"body\\"},\\"decorators\\"},visitor:[\\"id\\"],\\"body\\"},\\"superClass\\"},\\"mixins\\"},\\"typeParameters\\"},\\"superTypeParameters\\"},\\"implements\\"},\\"decorators\\"},aliases:[\\"Scopable\\"},\\"Class\\"},\\"Expression\\"},fields:{id:{validate:(0,o.assertNodeType)(\\"Identifier\\"),optional:!0},typeParameters:{validate:(0,o.assertNodeType)(\\"TypeParameterDeclaration\\"},\\"TSTypeParameterDeclaration\\"},\\"Noop\\"},optional:!0},body:{validate:(0,o.assertNodeType)(\\"ClassBody\\")},superClass:{optional:!0,validate:(0,o.assertNodeType)(\\"Expression\\")},superTypeParameters:{validate:(0,o.assertNodeType)(\\"TypeParameterInstantiation\\"},\\"TSTypeParameterInstantiation\\"},optional:!0},implements:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),
(0,o.assertEach)((0,o.assertNodeType)(\\"TSExpressionWithTypeArguments\\"},\\"ClassImplements\\"))},optional:!0},decorators:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),
(0,o.assertEach)((0,o.assertNodeType)(\\"Decorator\\"))},optional:!0},mixins:{validate:(0,o.assertNodeType)(\\"InterfaceExtends\\"},optional:!0)}},(0,o.default)(\\"ClassDeclaration\\"},{inherits:\\\\"ClassExpressi

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on|||,aliases:[|||"Scopable|||",|||"Class|||",|||"Statement|||",|||"Declaration|||"],fields:{id:{validate:(0,o.assertNodeType)(|||"Identifier|||"),typeParameters:{validate:(0,o.assertNodeType)(|||"TypeParameterDeclaration|||",|||"TSTypeParameterDeclaration|||",|||"Noop|||"),optional:!0},body:{validate:(0,o.assertNodeType)(|||"ClassBody|||")},superClass:{optional:!0,validate:(0,o.assertNodeType)(|||"Expression|||")},superTypeParameters:{validate:(0,o.assertNodeType)(|||"TypeParameterInstantiation|||",|||"TSTypeParameterInstantiation|||"),optional:!0},implements:{validate:(0,o.chain)((0,o.assertValueType)(|||"array|||"),(0,o.assertEach)((0,o.assertNodeType)(|||"TSExpressionWithTypeArguments|||",|||"ClassImplements|||"))},optional:!0},decorators:{validate:(0,o.chain)((0,o.assertValueType)(|||"array|||"),(0,o.assertEach)((0,o.assertNodeType)(|||"Decorator|||"))},optional:!0},mixins:{validate:(0,o.assertNodeType)(|||"InterfaceExtends|||"),optional:!0},declare:{validate:(0,o.assertValueType)(|||"boolean|||"),optional:!0},abstract:{validate:(0,o.assertValueType)(|||"boolean|||"),optional:!0},validate:function(){const e=(0,o.assertNodeType)(|||"Identifier|||");return function(t,r,i){process.env.BABEL_TYPES_8_BREAKING&&((0,n.default)(|||"ExportDefaultDeclaration|||",t)|e(i,|||"id|||",i.id))}),(0,o.default)(|||"ExportAllDeclaration|||",{visitor:[|||"source|||"],aliases:[|||"Statement|||",|||"Declaration|||",|||"ModuleDeclaration|||",|||"ExportDeclaration|||"],fields:{source:{validate:(0,o.assertNodeType)(|||"StringLiteral|||")},assertions:{optional:!0,validate:(0,o.chain)((0,o.assertValueType)(|||"array|||"),(0,o.assertNodeType)(|||"ImportAttribute|||"))}},(0,o.default)(|||"ExportDefaultDeclaration|||",{visitor:[|||"declaration|||"],aliases:[|||"Statement|||",|||"Declaration|||",|||"ModuleDeclaration|||",|||"ExportDeclaration|||"],fields:{declaration:{validate:(0,o.assertNodeType)(|||"FunctionDeclaration|||",|||"TSDeclareFunction|||",|||"ClassDeclaration|||",|||"Expression|||")}}),(0,o.default)(|||"ExportNamedDeclaration|||",{visitor:[|||"declaration|||",|||"specifiers|||",|||"source|||"],aliases:[|||"Statement|||",|||"Declaration|||",|||"ModuleDeclaration|||",|||"ExportDeclaration|||"],fields:{declaration:{optional:!0,validate:(0,o.chain)((0,o.assertNodeType)(|||"Declaration|||"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&r&&e.specifiers.length)throw new TypeError(|||"Only declaration or specifiers is allowed on ExportNamedDeclaration|||")}),{oneOfNodeTypes:[|||"Declaration|||"]}),function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&r&&e.source)throw new TypeError(|||"Cannot export a declaration from a source|||")}}),assertions:{optional:!0,validate:(0,o.chain)((0,o.assertValueType)(|||"array|||"),(0,o.assertNodeType)(|||"ImportAttribute|||"))},specifiers:{default:[],validate:(0,o.chain)((0,o.assertValueType)(|||"array|||"),(0,o.assertEach)(function(){const e=(0,o.assertNodeType)(|||"ExportSpecifier|||",|||"ExportDefaultSpecifier|||",|||"ExportNamespaceSpecifier|||"),t=(0,o.assertNodeType)(|||"ExportSpecifier|||");return process.env.BABEL_TYPES_8_BREAKING?function(r,n,i){(r.source?t(r,n,i):e)}(i)}),source:{validate:(0,o.assertNodeType)(|||"StringLiteral|||"),optional:!0},exportKind:(0,o.validateOptional)((0,o.assertOneOf)(|||"type|||",|||"value|||"))),(0,o.default)(|||"ExportSpecifier|||",{visitor:[|||"local|||",|||"exported|||"],aliases:[|||"ModuleSpecifier|||"],fields:{local:{validate:(0,o.assertNodeType)(|||"Identifier|||")},exported:{validate:(0,o.assertNodeType)(|||"Identifier|||",|||"StringLiteral|||")}}),(0,o.default)(|||"ForOfStatement|||",{visitor:[|||"left|||",|||"right|||",|||"body|||"],builder:[|||"left|||",|||"right|||",|||"body|||",|||"await|||"],aliases:[|||"Scopable|||",|||"Statement|||",|||"For|||",|||"BlockParent|||",|||"Loop|||",|||"ForXStatement|||"],fields:{left:{validate:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(0,o.assertNodeType)(|||"VariableDeclaration|||",|||"LVal|||");const e=(0,o.assertNodeType)(|||"VariableDeclaration|||"),t=(0,o.assertNodeType)(|||"Identifier|||",|||"MemberExpression|||",|||"ArrayPattern|||",|||"ObjectPattern|||");return function(r,i,s){(0,n.default)(|||"VariableDeclaration|||",s)?e(r,i,s):t(r,i,s)}(i)},right:{validate:(0,o.assertNodeType)(|||"Expression|||")},body:{validate:(0,o.assertNodeType)(|||"Statement|||")},await:{default:!1}}),(0,o.default)(|||"ImportDeclaration|||",{visitor:[|||"specifiers|||",|||"source|||"],aliases:[|||"Statement|||",|||"Declaration|||",|||"ModuleDeclaration|||"],fields:{assertions:{optional:!0,validate:(0,o.chain)((0,o.assertValueType)(|||"array|||"),(0,o.assertNodeType)(|||"ImportAttribute|||"))},specifiers:{validate:(0,o.chain)((0,o.assertValueType)(|||"array|||"),(0,o.assertEach)((0,o.assertNodeType)(|||"ImportSpecifier|||",|||"ImportDefaultSpecifier|||",|||"ImportNamespaceSpecifier|||"))},source:{validate:(0,o.assertNodeType)(|||"StringLiteral|||")},importKind:{validate:(0,o.assertOneOf)(|||"type|||",|||"typeof|||",|||"value|||"),optional:!0}}),(0,o.default)(|||"ImportDefaultSpecifier|||",{visitor:[|||"local|||"],aliases:[|||"Mo

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duleSpecifier\\",fields:{local:{validate:(0,o.assertNodeType)(\\"Identifier\\")}}}), (0,o.default)(\\"ImportNamesp
aceSpecifier\\",{visitor:[\\"local\\"],aliases:[\\"ModuleSpecifier\\"],fields:{local:{validate:(0,o.assertNodeType)(\
\\"Identifier\\")}}}), (0,o.default)(\\"ImportSpecifier\\",{visitor:[\\"local\\",\\"imported\\"],aliases:[\\"ModuleSpe
cifier\\"],fields:{local:{validate:(0,o.assertNodeType)(\\"Identifier\\")},imported:{validate:(0,o.assertNodeType)(\
\\"Identifier\\",\\"StringLiteral\\")},importKind:{validate:(0,o.assertOneOf)(\\"type\\",\\"typeof\\"),optional:!0}
}), (0,o.default)(\\"MetaProperty\\",{visitor:[\\"meta\\",\\"property\\"],aliases:[\\"Expression\\"],fields:{va
lidate:(0,o.chain)((0,o.assertNodeType)(\\"Identifier\\"),Object.assign((function(e,t,r){if(!process.env.BABEL_TY
PES_8_BREAKING)return;let
i;switch(r.name){case\\"function\\":i=\\"sent\\";break;case\\"new\\":i=\\"target\\";break;case\\"import\\":i=\\"
meta\\\"}if(!(0,n.default)(\\"Identifier\\",e.property,{name:i}))throw new TypeError(\\"Unrecognised
MetaProperty\\")}),{oneOfNodeTypes:[\\"Identifier\\"]}}}),property:{validate:(0,o.assertNodeType)(\\"Identifier\
\\")}}});const
f={abstract:{validate:(0,o.assertValueType)(\\"boolean\\"),optional:!0},accessibility:{validate:(0,o.assertOneOf)(\
\\"public\\",\\"private\\",\\"protected\\"),optional:!0},static:{default:!1},computed:{default:!1},optional:{validate:(
0,o.assertValueType)(\\"boolean\\"),optional:!0},key:{validate:(0,o.chain)(function(){const
e=(0,o.assertNodeType)(\\"Identifier\\",\\"StringLiteral\\",\\"NumericLiteral\\"),t=(0,o.assertNodeType)(\\"Expr
ession\\");return
function(r,n,i){(r.computed?t:e)(r,n,i)}(0,o.assertNodeType)(\\"Identifier\\",\\"StringLiteral\\",\\"NumericLite
ral\\",\\"Expression\\")}};t.classMethodOrPropertyCommon=f;const
m=Object.assign({,p,f,{kind:{validate:(0,o.assertOneOf)(\\"get\\",\\"set\\",\\"method\\",\\"constructor\\"),defa
ult:\\\"method\\\"},access:{validate:(0,o.chain)((0,o.assertValueType)(\\"string\\"),(0,o.assertOneOf)(\\"public\\",\
\\"private\\",\\"protected\\")),optional:!0},decorators:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\\"), (0,o.
assertEach)((0,o.assertNodeType)(\\"Decorator\\"))},optional:!0}};t.classMethodOrDeclareMethodCommon=m,(0
,o.default)(\\"ClassMethod\\",{aliases:[\\"Function\\",\\"Scopable\\",\\"BlockParent\\",\\"FunctionParent\\",\\"
Method\\"],builder:[\\"kind\\",\\"key\\",\\"params\\",\\"body\\",\\"computed\\",\\"static\\",\\"generator\\",\\"
async\\"],visitor:[\\"key\\",\\"params\\",\\"body\\",\\"decorators\\",\\"returnType\\",\\"typeParameters\\"],fiel
ds:Object.assign({,m,u,{body:{validate:(0,o.assertNodeType)(\\"BlockStatement\\")}}}), (0,o.default)(\\"Object
Pattern\\",{visitor:[\\"properties\\",\\"typeAnnotation\\",\\"decorators\\"],builder:[\\"properties\\"],aliases:[\\"P
attern\\",\\"PatternLike\\",\\"LVal\\"],fields:Object.assign({,h,{properties:{validate:(0,o.chain)((0,o.assertValue
Type)(\\"array\\\"), (0,o.assertEach)((0,o.assertNodeType)(\\"RestElement\\",\\"ObjectProperty\\"))}}}), (0,o.def
ault)(\\"SpreadElement\\",{visitor:[\\"argument\\"],aliases:[\\"UnaryLike\\"],deprecatedAlias:\\\"SpreadProperty\
\\",fields:{argument:{validate:(0,o.assertNodeType)(\\"Expression\\")}}}), (0,o.default)(\\"Super\\",{aliases:[\\"E
xpression\\"]}), (0,o.default)(\\"TaggedTemplateExpression\\",{visitor:[\\"tag\\",\\"quasi\\"],aliases:[\\"Expressi
on\\"],fields:{tag:{validate:(0,o.assertNodeType)(\\"Expression\\")},quasi:{validate:(0,o.assertNodeType)(\\"Tem
plateLiteral\\")},typeParameters:{validate:(0,o.assertNodeType)(\\"TypeParameterInstantiation\\",\\"TSTypePara
meterInstantiation\\"),optional:!0}}}), (0,o.default)(\\"TemplateElement\\",{builder:[\\"value\\",\\"tail\\"],fields:{
value:{validate:(0,o.assertShape)({raw:{validate:(0,o.assertValueType)(\\"string\\")},cooked:{validate:(0,o.assertV
alueType)(\\"string\\"),optional:!0}}}),tail:{default:!1}}}), (0,o.default)(\\"TemplateLiteral\\",{visitor:[\\"quasis\
\\",\\"expressions\\"],aliases:[\\"Expression\\",\\"Literal\\"],fields:{quasis:{validate:(0,o.chain)((0,o.assertValue
Type)(\\"array\\\"), (0,o.assertEach)((0,o.assertNodeType)(\\"TemplateElement\\"))},expressions:{validate:(0,o.chain
)((0,o.assertValueType)(\\"array\\\"), (0,o.assertEach)((0,o.assertNodeType)(\\"Expression\\",\\"TSType\\\")),(func
tion(e,t,r){if(e.quasis.length!==r.length+1)throw new TypeError(\\Number of ${e.type} quasis should be exactly one
more than the number of expressions.\\nExpected ${r.length+1} quasis but got
${e.quasis.length} \\")}}}), (0,o.default)(\\"YieldExpression\\",{builder:[\\"argument\\",\\"delegate\\"],visitor:[\
\\"argument\\"],aliases:[\\"Expression\\",\\"Terminatorless\\"],fields:{delegate:{validate:(0,o.chain)((0,o.assertValu
eType)(\\"boolean\\\"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&r&&!e.arg
ument)throw new TypeError(\\"Property delegate of YieldExpression cannot be true if there is no
argument\\\")),{type:\\\"boolean\\\"}),default:!1,argument:{optional:!0,validate:(0,o.assertNodeType)(\\"Express

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ion\\")}})),(0,o.default)(\\"AwaitExpression\\",{builder:[\\"argument\\"],visitor:[\\"argument\\"],aliases:[\\"Exp
ression\\",\\"Terminatorless\\"],fields:{argument:{validate:(0,o.assertNodeType)(\\"Expression\\")}})),(0,o.defau
lt)(\\"Import\\",{aliases:[\\"Expression\\"]}),(0,o.default)(\\"BigIntLiteral\\",{builder:[\\"value\\"],fields:{value:
{validate:(0,o.assertValueType)(\\"string\\")}},aliases:[\\"Expression\\",\\"Pureish\\"],\\"Literal\\"],\\"Immutable
\\"})),(0,o.default)(\\"ExportNamespaceSpecifier\\",{visitor:[\\"exported\\"],aliases:[\\"ModuleSpecifier\\"],field
s:{exported:{validate:(0,o.assertNodeType)(\\"Identifier\\")}})),(0,o.default)(\\"OptionalMemberExpression\\",{b
uilder:[\\"object\\",\\"property\\",\\"computed\\",\\"optional\\"],visitor:[\\"object\\",\\"property\\"],aliases:[\\"
Expression\\"],fields:{object:{validate:(0,o.assertNodeType)(\\"Expression\\")},property:{validate:function(){cons
t
e=(0,o.assertNodeType)(\\"Identifier\\"),t=(0,o.assertNodeType)(\\"Expression\\"),r=function(r,n,i){(r.computed?t
:e)(r,n,i)};return
r.oneOfNodeTypes=[\\"Expression\\",\\"Identifier\\"],r}),computed:{default:!1},optional:{validate:process.env.
BABEL_TYPES_8_BREAKING?(0,o.chain)((0,o.assertValueType)(\\"boolean\\"),(0,o.assertOptionalChainStart)(
)): (0,o.assertValueType)(\\"boolean\\")}})),(0,o.default)(\\"OptionalCallExpression\\",{visitor:[\\"callee\\"],\\"ar
guments\\",\\"typeParameters\\",\\"typeArguments\\"],builder:[\\"callee\\"],\\"arguments\\",\\"optional\\"],alias
es:[\\"Expression\\"],fields:{callee:{validate:(0,o.assertNodeType)(\\"Expression\\")},arguments:{validate:(0,o.ch
ain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"Expression\\",\\"SpreadElement
\\"],\\"JSXNamespacedName\\"))}},optional:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.chain)((0
,o.assertValueType)(\\"boolean\\"),(0,o.assertOptionalChainStart): (0,o.assertValueType)(\\"boolean\\")),typeA
rguments:{validate:(0,o.assertNodeType)(\\"TypeParameterInstantiation\\"),optional:!0},typeParameters:{validate:
(0,o.assertNodeType)(\\"TSTypeParameterInstantiation\\"),optional:!0}}},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\",{value:!0}),t.default=function(e,t){if(e===t)return!0;if(n.ALIA
S_KEYS[t])return!1;const r=n.FLIPPED_ALIAS_KEYS[t];if(r){if(r[0]===e)return!0;for(const t of
r)if(e===t)return!0}return!1};var n=r(5)},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\",{value:!0}),t.default=function(e,t,r){if(!e)return;const
a=n.NODE_FIELDS[e.type];if(!a)return;const o=a[t];i(e,t,r,o),s(e,t,r),t.validateField=i,t.validateChild=s;var
n=r(5);function i(e,t,r,n){(null===n?void 0:n.validate)&&(n.optional&&null===r|n.validate(e,t,r))}function
s(e,t,r){if(null===r)return;const i=n.NODE_PARENT_VALIDATIONS[r.type];i&&i(e,t,r)},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\",{value:!0}),t.default=function(e,t,r){t&&r&&(t[e]=Array.from(
new Set([].concat(t[e],r[e]).filter(Boolean))))},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\",{value:!0}),t.default=function(e,t){const
r=Object.keys(t);for(const n of r)if(e[n]!==t[n])return!1;return!0}},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\",{value:!0}),t.classMethodOrDeclareMethodCommon=t.classMe
thodOrPropertyCommon=t.patternLikeCommon=t.functionDeclarationCommon=t.functionTypeAnnotationCommon=t.functionCommon=void 0;var
n=r(36),i=r(24),s=r(19),a=r(15),o=r(10);(0,o.default)(\\"ArrayExpression\\",{fields:{elements:{validate:(0,o.chain)
((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeOrValueType)(\\"null\\",\\"Expression\\",\\"
SpreadElement\\"))}},default:process.env.BABEL_TYPES_8_BREAKING?void
0:[]}},visitor:[\\"elements\\"],aliases:[\\"Expression\\"]}), (0,o.default)(\\"AssignmentExpression\\",{fields:{oper
ator:{validate:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(0,o.assertValueType)(\\"string\\"
);const e=(0,o.assertOneOf)(...a.ASSIGNMENT_OPERATORS),t=(0,o.assertOneOf)(\\"=\\");return
function(r,i,s){((0,n.default)(\\"Pattern\\",r.left)?t:e)(r,i,s)}},left:{validate:process.env.BABEL_TYPES_8_BRE
AKING?(0,o.assertNodeType)(\\"Identifier\\",\\"MemberExpression\\",\\"ArrayPattern\\",\\"ObjectPattern\\"):(
0,o.assertNodeType)(\\"LVal\\")},right:{validate:(0,o.assertNodeType)(\\"Expression\\")}},builder:[\\"operator\\
",\\"left\\",\\"right\\"],visitor:[\\"left\\",\\"right\\"],aliases:[\\"Expression\\"]}), (0,o.default)(\\"BinaryExpressio
n\\",{builder:[\\"operator\\",\\"left\\",\\"right\\"],fields:{operator:{validate:(0,o.assertOneOf)(...a.BINARY_OPE
RATORS)},left:{validate:function(){const
e=(0,o.assertNodeType)(\\"Expression\\")},t=(0,o.assertNodeType)(\\"Expression\\",\\"PrivateName\\"),r=functio

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n(r,n,i){(\\\\"in\\\\"===r.operator?t:e)(r,n,i);return
r.oneOfNodeTypes=[\\\\"Expression\\\\"|\\\\"PrivateName\\\\"],r},right:{validate:(0,o.assertNodeType)(\\\\"Expressio
n\\\\")}},visitor:[\\\\"left\\\\"|\\\\"right\\\\"],aliases:[\\\\"Binary\\\\"|\\\\"Expression\\\\"]}),(0,o.default)(\\\\"InterpreterDirectiv
e\\\\"},{builder:[\\\\"value\\\\"],fields:{value:{validate:(0,o.assertValueType)(\\\\"string\\\\")}}}), (0,o.default)(\\\\"Directive
e\\\\",{visitor:[\\\\"value\\\\"],fields:{value:{validate:(0,o.assertNodeType)(\\\\"DirectiveLiteral\\\\")}}}), (0,o.default)(\\\\"
DirectiveLiteral\\\\"},{builder:[\\\\"value\\\\"],fields:{value:{validate:(0,o.assertValueType)(\\\\"string\\\\")}}}), (0,o.defa
ult)(\\\\"BlockStatement\\\\",{builder:[\\\\"body\\\\"|\\\\"directives\\\\"],visitor:[\\\\"directives\\\\"|\\\\"body\\\\"],fields:{direct
ives:{validate:(0,o.chain)((0,o.assertValueType)(\\\\"array\\\\"),(0,o.assertEach)((0,o.assertNodeType)(\\\\"Directive\\\\"
))),default:[]},body:{validate:(0,o.chain)((0,o.assertValueType)(\\\\"array\\\\"),(0,o.assertEach)((0,o.assertNodeType)(
\\\\"Statement\\\\"))}}},aliases:[\\\\"Scopable\\\\"|\\\\"BlockParent\\\\"|\\\\"Block\\\\"|\\\\"Statement\\\\"]}), (0,o.default)(\\\\"Br
eakStatement\\\\",{visitor:[\\\\"label\\\\"],fields:{label:{validate:(0,o.assertNodeType)(\\\\"Identifier\\\\"),optional:!0}},al
ias:[\\\\"Statement\\\\"|\\\\"Terminatorless\\\\"|\\\\"CompletionStatement\\\\"]}), (0,o.default)(\\\\"CallExpression\\\\",{visi
tor:[\\\\"callee\\\\"|\\\\"arguments\\\\"|\\\\"typeParameters\\\\"|\\\\"typeArguments\\\\"],builder:[\\\\"callee\\\\"|\\\\"arguments\\
\\\"],aliases:[\\\\"Expression\\\\"],fields:Object.assign({callee:{validate:(0,o.assertNodeType)(\\\\"Expression\\\\"|\\\\"V8Int
trinsicIdentifier\\\\")},arguments:{validate:(0,o.chain)((0,o.assertValueType)(\\\\"array\\\\"),(0,o.assertEach)((0,o.assert
NodeType)(\\\\"Expression\\\\"|\\\\"SpreadElement\\\\"|\\\\"JSXNamespacedName\\\\"|\\\\"ArgumentPlaceholder\\\\"))}}),p
rocess.env.BABEL_TYPES_8_BREAKING?{}:{optional:{validate:(0,o.assertOneOf)(!0,!1),optional:!0}},{typeAr
guments:{validate:(0,o.assertNodeType)(\\\\"TypeParameterInstantiation\\\\"),optional:!0},typeParameters:{validate:(
0,o.assertNodeType)(\\\\"TSTypeParameterInstantiation\\\\"),optional:!0}}}), (0,o.default)(\\\\"CatchClause\\\\",{visito
r:[\\\\"param\\\\"|\\\\"body\\\\"],fields:{param:{validate:(0,o.assertNodeType)(\\\\"Identifier\\\\"|\\\\"ArrayPattern\\\\"|\\\\"Ob
jectPattern\\\\"),optional:!0},body:{validate:(0,o.assertNodeType)(\\\\"BlockStatement\\\\")}},aliases:[\\\\"Scopable\\\\"|
\\\\"BlockParent\\\\"]}), (0,o.default)(\\\\"ConditionalExpression\\\\",{visitor:[\\\\"test\\\\"|\\\\"consequent\\\\"|\\\\"alternate\\\\"
],fields:{test:{validate:(0,o.assertNodeType)(\\\\"Expression\\\\")},consequent:{validate:(0,o.assertNodeType)(\\\\"Exp
ression\\\\")},alternate:{validate:(0,o.assertNodeType)(\\\\"Expression\\\\")}},aliases:[\\\\"Expression\\\\"|\\\\"Conditional
\\\\"]}), (0,o.default)(\\\\"ContinueStatement\\\\",{visitor:[\\\\"label\\\\"],fields:{label:{validate:(0,o.assertNodeType)(\\\\"I
dentifier\\\\"),optional:!0}},aliases:[\\\\"Statement\\\\"|\\\\"Terminatorless\\\\"|\\\\"CompletionStatement\\\\"]}), (0,o.default
)(\\\\"DebuggerStatement\\\\",{aliases:[\\\\"Statement\\\\"]}), (0,o.default)(\\\\"DoWhileStatement\\\\",{visitor:[\\\\"test\\\\"|
\\\\"body\\\\"],fields:{test:{validate:(0,o.assertNodeType)(\\\\"Expression\\\\")},body:{validate:(0,o.assertNodeType)(\\\\"
Statement\\\\")}},aliases:[\\\\"Statement\\\\"|\\\\"BlockParent\\\\"|\\\\"Loop\\\\"|\\\\"While\\\\"|\\\\"Scopable\\\\"]}), (0,o.default
)(\\\\"EmptyStatement\\\\",{aliases:[\\\\"Statement\\\\"]}), (0,o.default)(\\\\"ExpressionStatement\\\\",{visitor:[\\\\"expressi
on\\\\"],fields:{expression:{validate:(0,o.assertNodeType)(\\\\"Expression\\\\")}},aliases:[\\\\"Statement\\\\"|\\\\"Expressi
onWrapper\\\\"]}), (0,o.default)(\\\\"File\\\\",{builder:[\\\\"program\\\\"|\\\\"comments\\\\"|\\\\"tokens\\\\"],visitor:[\\\\"progra
m\\\\"],fields:{program:{validate:(0,o.assertNodeType)(\\\\"Program\\\\")},comments:{validate:process.env.BABEL_
TYPES_8_BREAKING?(0,o.assertEach)((0,o.assertNodeType)(\\\\"CommentBlock\\\\"|\\\\"CommentLine\\\\")):Objec
t.assign(=>{}},{each:{oneOfNodeTypes:[\\\\"CommentBlock\\\\"|\\\\"CommentLine\\\\"]}},optional:!0},tokens:{vali
date:(0,o.assertEach)(Object.assign(=>{}},{type:\\\\"any\\\\"})),optional:!0}}}), (0,o.default)(\\\\"ForInStatement\\\\",{
visitor:[\\\\"left\\\\"|\\\\"right\\\\"|\\\\"body\\\\"],aliases:[\\\\"Scopable\\\\"|\\\\"Statement\\\\"|\\\\"For\\\\"|\\\\"BlockParent\\\\"|\\\\"
Loop\\\\"|\\\\"ForXStatement\\\\"],fields:{left:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNode
Type)(\\\\"VariableDeclaration\\\\"|\\\\"Identifier\\\\"|\\\\"MemberExpression\\\\"|\\\\"ArrayPattern\\\\"|\\\\"ObjectPattern\\\\"
):(0,o.assertNodeType)(\\\\"VariableDeclaration\\\\"|\\\\"LVal\\\\")}},right:{validate:(0,o.assertNodeType)(\\\\"Expression\\
\\\"),body:{validate:(0,o.assertNodeType)(\\\\"Statement\\\\")}},(0,o.default)(\\\\"ForStatement\\\\",{visitor:[\\\\"init\\
\\\"|\\\\"test\\\\"|\\\\"update\\\\"|\\\\"body\\\\"],aliases:[\\\\"Scopable\\\\"|\\\\"Statement\\\\"|\\\\"For\\\\"|\\\\"BlockParent\\\\"|\\\\"Loo
p\\\\"],fields:{init:{validate:(0,o.assertNodeType)(\\\\"VariableDeclaration\\\\"|\\\\"Expression\\\\"),optional:!0},test:{val
idate:(0,o.assertNodeType)(\\\\"Expression\\\\"),optional:!0},update:{validate:(0,o.assertNodeType)(\\\\"Expression\\\\"
),optional:!0},body:{validate:(0,o.assertNodeType)(\\\\"Statement\\\\")}},(0,o.default)(\\\\"Identifier\\\\"|\\\\"Pattern\\\\"|\\\\"RestElement\\\\"|\\\\"TSPParameterProperty\\\\"})),generator:{default:!1},async:{default:!1};t
.functionCommon=l;const

```

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c={returnType:{validate:(0,o.assertNodeType)(\\"TypeAnnotation\\"),\\"TSTypeAnnotation\\"},\\"Noop\\"},optional:!0},typeParameters:{validate:(0,o.assertNodeType)(\\"TypeParameterDeclaration\\"),\\"TSTypeParameterDeclaration\\"},\\"Noop\\"},optional:!0});t.functionTypeAnnotationCommon=c;const
p=Object.assign({},l,{declare:{validate:(0,o.assertValueType)(\\"boolean\\"),optional:!0},id:{validate:(0,o.assertNodeType)(\\"Identifier\\"),optional:!0}});t.functionDeclarationCommon=p,(0,o.default)(\\"FunctionDeclaration\\",{builder:[\\"id\\",\\"params\\",\\"body\\",\\"generator\\",\\"async\\"],visitor:[\\"id\\",\\"params\\",\\"body\\",\\"returnType\\",\\"typeParameters\\"],fields:Object.assign({},p,c,{body:{validate:(0,o.assertNodeType)(\\"BlockStatement\\")}}),aliases:[\\"Scopable\\",\\"Function\\",\\"BlockParent\\",\\"FunctionParent\\",\\"Statement\\",\\"Pureish\\",\\"Declaration\\"],validate:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return()}=>{};const e=(0,o.assertNodeType)(\\"Identifier\\"),return
function(t,r,i){(0,n.default)(\\"ExportDefaultDeclaration\\",t)|e(i,\\"id\\",i.id)}(0),(0,o.default)(\\"FunctionExpression\\",{inherits:\\\"FunctionDeclaration\\",aliases:[\\"Scopable\\",\\"Function\\",\\"BlockParent\\",\\"FunctionParent\\",\\"Expression\\",\\"Pureish\\"],fields:Object.assign({},l,c,{id:{validate:(0,o.assertNodeType)(\\"Identifier\\"),optional:!0},body:{validate:(0,o.assertNodeType)(\\"BlockStatement\\")}}));const
u={typeAnnotation:{validate:(0,o.assertNodeType)(\\"TypeAnnotation\\"),\\"TSTypeAnnotation\\"},\\"Noop\\"},optional:!0},decorators:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"Decorator\\")))};t.patternLikeCommon=u,(0,o.default)(\\"Identifier\\",{builder:[\\"name\\"],visitor:[\\"typeAnnotation\\",\\"decorators\\"],aliases:[\\"Expression\\",\\"PatternLike\\",\\"LVal\\",\\"TSEntityName\\"],fields:Object.assign({},u,{name:{validate:(0,o.chain)((0,o.assertValueType)(\\"string\\"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&!0,i.default)(r,!1))throw new TypeError(\\\\"${r}\\\" is not a valid identifier name`)}),{type:\\\"string\\\"}}),optional:{validate:(0,o.assertValueType)(\\"boolean\\"),optional:!0}},validate(e,t,r){if(!process.env.BABEL_TYPES_8_BREAKING)return;const
i=/\\.(\\w+)$\\.exec(t);if(!i)return;const [,a]=i,o={computed:!1};if(\\\"property\\\"===a){if((0,n.default)(\\"MemberExpression\\",e,o))return;if((0,n.default)(\\"OptionalMemberExpression\\",e,o))return}else
if(\\\"key\\\"===a){if((0,n.default)(\\"Property\\",e,o))return;if((0,n.default)(\\"Method\\",e,o))return}else
if(\\\"exported\\\"===a){if((0,n.default)(\\"ExportSpecifier\\",e))return}else
if(\\\"imported\\\"===a){if((0,n.default)(\\"ImportSpecifier\\",e,{imported:r}))return}else
if(\\\"meta\\\"===a&&(0,n.default)(\\"MetaProperty\\",e,{meta:r}))return;if(((0,s.isKeyword)(r.name)|(0,s.isReservedWord)(r.name,!1))&&\\\"this\\\"!==r.name)throw new TypeError(\\\\"${r.name}\\\" is not a valid identifier`)}(0,o.default)(\\"IfStatement\\",{visitor:[\\"test\\",\\"consequent\\",\\"alternate\\"],aliases:[\\"Statement\\",\\"Conditional\\"],fields:{test:{validate:(0,o.assertNodeType)(\\"Expression\\")},consequent:{validate:(0,o.assertNodeType)(\\"Statement\\")},alternate:{optional:!0,validate:(0,o.assertNodeType)(\\"Statement\\")}}),(0,o.default)(\\"LabeledStatement\\",{visitor:[\\"label\\",\\"body\\"],aliases:[\\"Statement\\"],fields:{label:{validate:(0,o.assertNodeType)(\\"Identifier\\")},body:{validate:(0,o.assertNodeType)(\\"Statement\\")}}),(0,o.default)(\\"StringLiteral\\",{builder:[\\"value\\"],fields:{value:{validate:(0,o.assertValueType)(\\"string\\")}}},aliases:[\\"Expression\\",\\"Pureish\\",\\"Literal\\",\\"Immutable\\"]),(0,o.default)(\\"NumericLiteral\\",{builder:[\\"value\\",\\"deprecatedAlias:\\\"NumberLiteral\\",fields:{value:{validate:(0,o.assertValueType)(\\"number\\")}}},aliases:[\\"Expression\\",\\"Pureish\\",\\"Literal\\",\\"Immutable\\"]),(0,o.default)(\\"NullLiteral\\",{aliases:[\\"Expression\\",\\"Pureish\\",\\"Literal\\",\\"Immutable\\"]),(0,o.default)(\\"BooleanLiteral\\",{builder:[\\"value\\"],fields:{value:{validate:(0,o.assertValueType)(\\"boolean\\")}}},aliases:[\\"Expression\\",\\"Pureish\\",\\"Literal\\",\\"Immutable\\"]),(0,o.default)(\\"RegExpLiteral\\",{builder:[\\"pattern\\",\\"flags\\"],deprecatedAlias:\\\"RegexLiteral\\",aliases:[\\"Expression\\",\\"Pureish\\",\\"Literal\\"],fields:{pattern:{validate:(0,o.assertValueType)(\\"string\\")},flags:{validate:(0,o.chain)((0,o.assertValueType)(\\"string\\"),Object.assign((function(e,t,r){if(!process.env.BABEL_TYPES_8_BREAKING)return;const n=/^gimsuy/.exec(r);if(n)throw new TypeError(\\\\"${n[0]}\\\" is not a valid RegExp flag`)}),{type:\\\"string\\\"}}),default:\\\"\\\"}}),(0,o.default)(\\"LogicalExpression\\",{builder:[\\"operator\\",\\"left\\",\\"right\\"],visitor:[\\"left\\",\\"right\\"],aliases:[\\"Binary\\",\\"Expression\\"],fields:{operator:{validate:(

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0,o.assertOneOf(...a.LOGICAL_OPERATORS)},left:{validate:(0,o.assertNodeType)("Expression")},right:{val
idate:(0,o.assertNodeType)("Expression")}},(0,o.default)("MemberExpression",{builder:[["object"],["
property"],["computed"],["optional"],visitor:[["object"],["property"],aliases:[["Expression"],["LVal
"]],fields:Object.assign({object:{validate:(0,o.assertNodeType)("Expression")},property:{validate:function(){c
onst
e=(0,o.assertNodeType)("Identifier"],["PrivateName"],t=(0,o.assertNodeType)("Expression"),r=function(
r,n,i){(r.computed?t:e)(r,n,i)};return
r.oneOfNodeTypes=[["Expression"],["Identifier"],["PrivateName"],r]},computed:{default:!1},process.en
v.BABEL_TYPES_8_BREAKING?{}:{optional:{validate:(0,o.assertOneOf)(!0,!1),optional:!0}}}),
(0,o.default)("NewExpression",{inherits:["CallExpression"]}),
(0,o.default)("Program",{visitor:[["directives"],["body
"]],builder:[["body"],["directives"],["sourceType"],["interpreter"],fields:{sourceFile:{validate:(0,o.assert
ValueType)("string")},sourceType:{validate:(0,o.assertOneOf)("script"],["module"],default:["script"]
},interpreter:{validate:(0,o.assertNodeType)("InterpreterDirective"),default:null,optional:!0},directives:{validate:
(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Directive"))),default:[]},
body:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Statement\
"))}}},aliases:[["Scopable"],["BlockParent"],["Block"]]),
(0,o.default)("ObjectExpression",{visitor:[["
properties"],aliases:[["Expression"]],fields:{properties:{validate:(0,o.chain)((0,o.assertValueType)("array"),
(0,o.assertEach)((0,o.assertNodeType)("ObjectMethod"],["ObjectProperty"],["SpreadElement"]))}}}),
(0,o.default)("ObjectMethod",{builder:[["kind"],["key"],["params"],["body"],["computed"],["generator
"],["async"],fields:Object.assign({,l,c,{kind:Object.assign({validate:(0,o.assertOneOf)("method"],["get"]
),["set"]}),process.env.BABEL_TYPES_8_BREAKING?{}:{default:["method"]}),computed:{default:!1},key:{
validate:function(){const
e=(0,o.assertNodeType)("Identifier"],["StringLiteral"],["NumericLiteral"],t=(0,o.assertNodeType)("Expr
ession"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return
r.oneOfNodeTypes=[["Expression"],["Identifier"],["StringLiteral"],["NumericLiteral"],r]},decorators:{
validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))),o
ptional:!0},body:{validate:(0,o.assertNodeType)("BlockStatement")}},visitor:[["key"],["params"],["body
"],["decorators"],["returnType"],["typeParameters"],aliases:[["UserWhitespacable"],["Function"],["S
copable"],["BlockParent"],["FunctionParent"],["Method"],["ObjectMember"]]),
(0,o.default)("ObjectP
roperty",{builder:[["key"],["value"],["computed"],["shorthand"],...process.env.BABEL_TYPES_8_BRE
AKING?[]:[["decorators"]],fields:{computed:{default:!1},key:{validate:function(){const
e=(0,o.assertNodeType)("Identifier"],["StringLiteral"],["NumericLiteral"],t=(0,o.assertNodeType)("Expr
ession"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return
r.oneOfNodeTypes=[["Expression"],["Identifier"],["StringLiteral"],["NumericLiteral"],r]},value:{valid
ate:(0,o.assertNodeType)("Expression"],["PatternLike"]},shorthand:{validate:(0,o.chain)((0,o.assertValueTyp
e)("boolean"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&e.compu
ted)throw new TypeError("Property shorthand of ObjectProperty cannot be true if computed is
true")),{"type":["boolean"]}),
(function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&e!(0,n.defa
ult)("Identifier",e.key))throw new TypeError("Property shorthand of ObjectProperty cannot be true if key is
not an
Identifier"))}),default:!1},decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,
o.assertNodeType)("Decorator"))),optional:!0},visitor:[["key"],["value"],["decorators"],aliases:[["Use
rWhitespacable"],["Property"],["ObjectMember"],validate:function(){const
e=(0,o.assertNodeType)("Identifier"],["Pattern"],t=(0,o.assertNodeType)("Expression");return
function(r,i,s){if(!process.env.BABEL_TYPES_8_BREAKING)return;(0,n.default)("ObjectPattern",r)?e:t(s,["
value"],s.value)}())},(0,o.default)("RestElement",{visitor:[["argument"],["typeAnnotation"],builder:[["
argument"],aliases:[["LVal"],["PatternLike"],deprecatedAlias:["RestProperty"],fields:Object.assign({,u,
{argument:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)("Identifier"],["Patter

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n|||"MemberExpression|||):(0,o.assertNodeType)(|||"LVal|||"})),validate(e,t){if(!process.env.BABEL_TYPES
_8_BREAKING)return;const r=(|||w+)|||[|||d+)|||]/.exec(t);if(!r)throw new Error(|||"Internal Babel error:
malformed key.|||");const[,n,i]=r;if(e[n].length>i+1)throw new TypeError(|||"RestElement must be last element of
|||"+n)}),(0,o.default)(|||"ReturnStatement|||",{visitor:|||||"argument|||",aliases:|||||"Statement|||",|||"Terminatorless
|||",|||"CompletionStatement|||",fields:{argument:{validate:(0,o.assertNodeType)(|||"Expression|||"),optional:!0}}
}),
(0,o.default)(|||"SequenceExpression|||",{visitor:|||||"expressions|||",fields:{expressions:{validate:(0,o.chain)((0,o.
assertValueType)(|||"array|||"),(0,o.assertEach)((0,o.assertNodeType)(|||"Expression|||"))}}},aliases:|||||"Expression\
|||"),(0,o.default)(|||"ParenthesizedExpression|||",{visitor:|||||"expression|||",aliases:|||||"Expression|||",|||"Expressi
onWrapper|||",fields:{expression:{validate:(0,o.assertNodeType)(|||"Expression|||")}}}),
(0,o.default)(|||"SwitchCase|||",{visitor:|||||"test|||",|||"consequent|||",fields:{test:{validate:(0,o.assertNodeType)(|||"Expression|||"),optional:!
0},consequent:{validate:(0,o.chain)((0,o.assertValueType)(|||"array|||"),(0,o.assertEach)((0,o.assertNodeType)(|||"St
atement|||"))}}}),
(0,o.default)(|||"SwitchStatement|||",{visitor:|||||"discriminant|||",|||"cases|||",aliases:|||||"Stateme
nt|||",|||"BlockParent|||",|||"Scopable|||",fields:{discriminant:{validate:(0,o.assertNodeType)(|||"Expression|||")},ca
ses:{validate:(0,o.chain)((0,o.assertValueType)(|||"array|||"),(0,o.assertEach)((0,o.assertNodeType)(|||"SwitchCase\
|||"))}}}),
(0,o.default)(|||"ThisExpression|||",{aliases:|||||"Expression|||"}),
(0,o.default)(|||"ThrowStatement|||",{visi
tor:|||||"argument|||",aliases:|||||"Statement|||",|||"Terminatorless|||",|||"CompletionStatement|||",fields:{argument:{
validate:(0,o.assertNodeType)(|||"Expression|||")}}}),
(0,o.default)(|||"TryStatement|||",{visitor:|||||"block|||",|||"han
dler|||",|||"finalizer|||",aliases:|||||"Statement|||",fields:{block:{validate:(0,o.chain)((0,o.assertNodeType)(|||"Block
Statement|||"),Object.assign((function(e){if(process.env.BABEL_TYPES_8_BREAKING&&!e.handler&&!e.finali
zer)throw new TypeError(|||"TryStatement expects either a handler or finalizer, or
both|||"))},{oneOfNodeTypes:|||||"BlockStatement|||"})),handler:{optional:!0,validate:(0,o.assertNodeType)(|||"C
atchClause|||")},finalizer:{optional:!0,validate:(0,o.assertNodeType)(|||"BlockStatement|||")}}}),
(0,o.default)(|||"U
naryExpression|||",{builder:|||||"operator|||",|||"argument|||",|||"prefix|||",fields:{prefix:{default:!0},argument:{vali
date:(0,o.assertNodeType)(|||"Expression|||")},operator:{validate:(0,o.assertOneOf)(...a.UNARY_OPERATORS)}
},visitor:|||||"argument|||",aliases:|||||"UnaryLike|||",|||"Expression|||"}),
(0,o.default)(|||"UpdateExpression|||",{buil
der:|||||"operator|||",|||"argument|||",|||"prefix|||",fields:{prefix:{default:!1},argument:{validate:process.env.BABE
L_TYPES_8_BREAKING?(0,o.assertNodeType)(|||"Identifier|||",|||"MemberExpression|||"):
(0,o.assertNodeType)(|||"Expression|||")},operator:{validate:(0,o.assertOneOf)(...a.UPDATE_OPERATORS)}},visitor:|||||"argument|||",a
liases:|||||"Expression|||"}),
(0,o.default)(|||"VariableDeclaration|||",{builder:|||||"kind|||",|||"declarations|||",visitor:|
|||||"declarations|||",aliases:|||||"Statement|||",|||"Declaration|||",fields:{declare:{validate:(0,o.assertValueType)(|||"b
oolean|||"),optional:!0},kind:{validate:(0,o.assertOneOf)(|||"var|||",|||"let|||",|||"const|||")},declarations:{validate:(0,
o.chain)((0,o.assertValueType)(|||"array|||"),(0,o.assertEach)((0,o.assertNodeType)(|||"VariableDeclarator|||"))}},v
alidate(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&(0,n.default)(|||"ForXStatement|||",e,{left:r})&&!
==r.declarations.length)throw new TypeError(|||"Exactly one VariableDeclarator is required in the
VariableDeclaration of a
|||"+e.type)})),
(0,o.default)(|||"VariableDeclarator|||",{visitor:|||||"id|||",|||"init|||",fields:{id:{validate:function(){if(
!process.env.BABEL_TYPES_8_BREAKING)return(0,o.assertNodeType)(|||"LVal|||");const
e=(0,o.assertNodeType)(|||"Identifier|||",|||"ArrayPattern|||",|||"ObjectPattern|||"),t=(0,o.assertNodeType)(|||"Identif
ier|||");return
function(r,n,i){(r.init?e:t)(r,n,i)}(),definite:{optional:!0,validate:(0,o.assertValueType)(|||"boolean|||")},init:{optio
nal:!0,validate:(0,o.assertNodeType)(|||"Expression|||")}}}),
(0,o.default)(|||"WhileStatement|||",{visitor:|||||"test|||",
|||"body|||",aliases:|||||"Statement|||",|||"BlockParent|||",|||"Loop|||",|||"While|||",|||"Scopable|||",fields:{test:{valid
ate:(0,o.assertNodeType)(|||"Expression|||")},body:{validate:(0,o.assertNodeType)(|||"Statement|||")}}}),
(0,o.defau
lt)(|||"WithStatement|||",{visitor:|||||"object|||",|||"body|||",aliases:|||||"Statement|||",fields:{object:{validate:(0,o.as
sertNodeType)(|||"Expression|||")},body:{validate:(0,o.assertNodeType)(|||"Statement|||")}}}),
(0,o.default)(|||"Assi
gnmentPattern|||",{visitor:|||||"left|||",|||"right|||",|||"decorators|||",builder:|||||"left|||",|||"right|||",aliases:|||||"Pattern
|||",|||"PatternLike|||",|||"LVal|||",fields:
Object.assign({,u,{left:{validate:(0,o.assertNodeType)(|||"Identifier|||",|||"ObjectPattern|||",|||"ArrayPattern|||",|||"MemberExpression|||")},right:{validate:(0,o.assertNodeType)(|||"Expressi

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on)))},decorators:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\
\\"Decorator\\"))),optional:!0}})),(0,o.default)(\\"ArrayPattern\\",{visitor:[\\"elements\\",\\"typeAnnotation\\"],
builder:[\\"elements\\"],aliases:[\\"Pattern\\",\\"PatternLike\\",\\"LVal\\"],fields:Object.assign({,u,{elements:{
validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeOrValueType)(\\"null\\",\\
\\"PatternLike\\"))}),decorators:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assert
NodeType)(\\"Decorator\\"))),optional:!0}})),(0,o.default)(\\"ArrowFunctionExpression\\",{builder:[\\"params\\
\\",\\"body\\",\\"async\\"],visitor:[\\"params\\",\\"body\\",\\"returnType\\",\\"typeParameters\\"],aliases:[\\"Sc
opable\\",\\"Function\\",\\"BlockParent\\",\\"FunctionParent\\",\\"Expression\\",\\"Pureish\\"],fields:Object.as
sign({,l,c,{expression:{validate:(0,o.assertValueType)(\\"boolean\\"}),body:{validate:(0,o.assertNodeType)(\\"Bl
ockStatement\\",\\"Expression\\"))}},(0,o.default)(\\"ClassBody\\",{visitor:[\\"body\\"],fields:{body:{validate:
(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"ClassMethod\\",\\"ClassP
rivateMethod\\",\\"ClassProperty\\",\\"ClassPrivateProperty\\",\\"TSDeclareMethod\\",\\"TSIndexSignature\\"
))}})),(0,o.default)(\\"ClassExpression\\",{builder:[\\"id\\",\\"superClass\\",\\"body\\",\\"decorators\\"],visitor:
[\\"id\\",\\"body\\",\\"superClass\\",\\"mixins\\",\\"typeParameters\\",\\"superTypeParameters\\",\\"implemen
ts\\",\\"decorators\\"],aliases:[\\"Scopable\\",\\"Class\\",\\"Expression\\"],fields:{id:{validate:(0,o.assertNodeT
ype)(\\"Identifier\\"),optional:!0},typeParameters:{validate:(0,o.assertNodeType)(\\"TypeParameterDeclaration\\"
,\\"TSTypeParameterDeclaration\\",\\"Noop\\"),optional:!0},body:{validate:(0,o.assertNodeType)(\\"ClassBody\\
\\")},superClass:{optional:!0,validate:(0,o.assertNodeType)(\\"Expression\\"}),superTypeParameters:{validate:(0,o.
assertNodeType)(\\"TypeParameterInstantiation\\",\\"TSTypeParameterInstantiation\\"),optional:!0},implements:
{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"TSExpressionWi
thTypeArguments\\",\\"ClassImplements\\"))),optional:!0},decorators:{validate:(0,o.chain)((0,o.assertValueType)(
\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"Decorator\\"))),optional:!0},mixins:{validate:(0,o.assertNod
eType)(\\"InterfaceExtends\\"),optional:!0}})),(0,o.default)(\\"ClassDeclaration\\",{inherits:\\\\"ClassExpression\\
\\",aliases:[\\"Scopable\\",\\"Class\\",\\"Statement\\",\\"Declaration\\"],fields:{id:{validate:(0,o.assertNodeType)(
\\"Identifier\\"}),typeParameters:{validate:(0,o.assertNodeType)(\\"TypeParameterDeclaration\\",\\"TSTypePara
meterDeclaration\\",\\"Noop\\"),optional:!0},body:{validate:(0,o.assertNodeType)(\\"ClassBody\\"}),superClass:
{optional:!0,validate:(0,o.assertNodeType)(\\"Expression\\"}),superTypeParameters:{validate:(0,o.assertNodeType
)(\\"TypeParameterInstantiation\\",\\"TSTypeParameterInstantiation\\"),optional:!0},implements:{validate:(0,o.ch
ain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"TSExpressionWithTypeArgumen
ts\\",\\"ClassImplements\\"))),optional:!0},decorators:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,
o.assertEach)((0,o.assertNodeType)(\\"Decorator\\"))),optional:!0},mixins:{validate:(0,o.assertNodeType)(\\"Inter
faceExtends\\"),optional:!0},declare:{validate:(0,o.assertValueType)(\\"boolean\\"),optional:!0},abstract:{validate
:(0,o.assertValueType)(\\"boolean\\"),optional:!0}},validate:function(){const
e=(0,o.assertNodeType)(\\"Identifier\\");return
function(t,r,i){process.env.BABEL_TYPES_8_BREAKING&&((0,n.default)(\\"ExportDefaultDeclaration\\",t)|e(i
,\\id\\",i.id))})),(0,o.default)(\\"ExportAllDeclaration\\",{visitor:[\\"source\\"],aliases:[\\"Statement\\",\\"D
eclaration\\",\\"ModuleDeclaration\\",\\"ExportDeclaration\\"],fields:{source:{validate:(0,o.assertNodeType)(\\"
StringLiteral\\"}),exportKind:(0,o.validateOptional)((0,o.assertOneOf)(\\"type\\",\\"value\\")),assertions:{optiona
l:!0,validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"ImportAttribu
te\\"))}})),(0,o.default)(\\"ExportDefaultDeclaration\\",{visitor:[\\"declaration\\"],aliases:[\\"Statement\\",\\"D
eclaration\\",\\"ModuleDeclaration\\",\\"ExportDeclaration\\"],fields:{declaration:{validate:(0,o.assertNodeType)
(\\"FunctionDeclaration\\",\\"TSDeclareFunction\\",\\"ClassDeclaration\\",\\"Expression\\"))}})),(0,o.default)(\\
\\"ExportNamedDeclaration\\",{visitor:[\\"declaration\\",\\"specifiers\\",\\"source\\"],aliases:[\\"Statement\\",\\"
Declaration\\",\\"ModuleDeclaration\\",\\"ExportDeclaration\\"],fields:{declaration:{optional:!0,validate:(0,o.cha
in)((0,o.assertNodeType)(\\"Declaration\\"),Object.assign(function(e,t,r){if(process.env.BABEL_TYPES_8_BRE
AKING&&r&&e.specifiers.length)throw new TypeError(\\"Only declaration or specifiers is allowed on
ExportNamedDeclaration\\"))},{oneOfNodeTypes:[\\"Declaration\\"]}),function(e,t,r){if(process.env.BABEL_T
YPES_8_BREAKING&&r&&e.source)throw new TypeError(\\"Cannot export a declaration from a

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source\|")))),assertions:{optional:!0,validate:(0,o.chain)((0,o.assertValueType)(\|"array\|"),(0,o.assertEach)((0,o.assertNodeType)(\|"ImportAttribute\|")))},specifiers:{default:[],validate:(0,o.chain)((0,o.assertValueType)(\|"array\|"),(0,o.assertEach)(function(){const e=(0,o.assertNodeType)(\|"ExportSpecifier\|",\|"ExportDefaultSpecifier\|",\|"ExportNamespaceSpecifier\|"),t=(0,o.assertNodeType)(\|"ExportSpecifier\|");return process.env.BABEL_TYPES_8_BREAKING?function(r,n,i){(r.source?t)(r,n,i):e}})},source:{validate:(0,o.assertNodeType)(\|"StringLiteral\|"),optional:!0,exportKind:(0,o.validateOptional)((0,o.assertOneOf)(\|"type\|",\|"value\|"))}},(0,o.default)(\|"ExportSpecifier\|",{visitor:[\|"local\|",\|"exported\|"],aliases:[\|"ModuleSpecifier\|"],fields:{local:{validate:(0,o.assertNodeType)(\|"Identifier\|"),exported:{validate:(0,o.assertNodeType)(\|"Identifier\|",\|"StringLiteral\|")}}}},(0,o.default)(\|"ForOfStatement\|",{visitor:[\|"left\|",\|"right\|",\|"body\|"],builder:[\|"left\|",\|"right\|",\|"body\|",\|"await\|"],aliases:[\|"Scopable\|",\|"Statement\|",\|"For\|",\|"BlockParent\|",\|"Loop\|",\|"ForXStatement\|"],fields:{left:{validate:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(0,o.assertNodeType)(\|"VariableDeclaration\|",\|"LVal\|");const e=(0,o.assertNodeType)(\|"VariableDeclaration\|"),t=(0,o.assertNodeType)(\|"Identifier\|",\|"MemberExpression\|",\|"ArrayPattern\|",\|"ObjectPattern\|");return function(r,i,s){(0,n.default)(\|"VariableDeclaration\|",s)?e(r,i,s):t(r,i,s)}},right:{validate:(0,o.assertNodeType)(\|"Expression\|")},body:{validate:(0,o.assertNodeType)(\|"Statement\|"),await:{default:!1}}}},(0,o.default)(\|"ImportDeclaration\|",{visitor:[\|"specifiers\|",\|"source\|"],aliases:[\|"Statement\|",\|"Declaration\|",\|"ModuleDeclaration\|"],fields:{assertions:{optional:!0,validate:(0,o.chain)((0,o.assertValueType)(\|"array\|"),(0,o.assertEach)((0,o.assertNodeType)(\|"ImportAttribute\|")))},specifiers:{validate:(0,o.chain)((0,o.assertValueType)(\|"array\|"),(0,o.assertEach)((0,o.assertNodeType)(\|"ImportSpecifier\|",\|"ImportDefaultSpecifier\|",\|"ImportNamespaceSpecifier\|"))}},source:{validate:(0,o.assertNodeType)(\|"StringLiteral\|")},importKind:{validate:(0,o.assertOneOf)(\|"type\|",\|"typeof\|",\|"value\|"),optional:!0}}}},(0,o.default)(\|"ImportDefaultSpecifier\|",{visitor:[\|"local\|"],aliases:[\|"ModuleSpecifier\|"],fields:{local:{validate:(0,o.assertNodeType)(\|"Identifier\|")}}}},(0,o.default)(\|"ImportNamespaceSpecifier\|",{visitor:[\|"local\|"],aliases:[\|"ModuleSpecifier\|"],fields:{local:{validate:(0,o.assertNodeType)(\|"Identifier\|")}}}},(0,o.default)(\|"ImportSpecifier\|",{visitor:[\|"local\|",\|"imported\|"],aliases:[\|"ModuleSpecifier\|"],fields:{local:{validate:(0,o.assertNodeType)(\|"Identifier\|")},imported:{validate:(0,o.assertNodeType)(\|"Identifier\|",\|"StringLiteral\|")},importKind:{validate:(0,o.assertOneOf)(\|"type\|",\|"typeof\|"),optional:!0}}}},(0,o.default)(\|"MetaProperty\|",{visitor:[\|"meta\|",\|"property\|"],aliases:[\|"Expression\|"],fields:{meta:{validate:(0,o.chain)((0,o.assertNodeType)(\|"Identifier\|"),Object.assign((function(e,t,r){if(!process.env.BABEL_TYPES_8_BREAKING)return;let i;switch(r.name){case\|"function\|":i=\|"sent\|";break;case\|"new\|":i=\|"target\|";break;case\|"import\|":i=\|"meta\|"}if(!(0,n.default)(\|"Identifier\|",e.property,{name:i}))throw new TypeError(\|"Unrecognised MetaProperty\|")}),{oneOfNodeTypes:[\|"Identifier\|"]}})},property:{validate:(0,o.assertNodeType)(\|"Identifier\|")}}});const d={abstract:{validate:(0,o.assertValueType)(\|"boolean\|"),optional:!0},accessibility:{validate:(0,o.assertOneOf)(\|"public\|",\|"private\|",\|"protected\|"),optional:!0},static:{default:!1},override:{default:!1},computed:{default:!1},optional:{validate:(0,o.assertValueType)(\|"boolean\|"),optional:!0},key:{validate:(0,o.chain)(function(){const e=(0,o.assertNodeType)(\|"Identifier\|",\|"StringLiteral\|",\|"NumericLiteral\|"),t=(0,o.assertNodeType)(\|"Expression\|");return function(r,n,i){(r.computed?t)(r,n,i)}},(0,o.assertNodeType)(\|"Identifier\|",\|"StringLiteral\|",\|"NumericLiteral\|",\|"Expression\|"))}};t.classMethodOrPropertyCommon=d;const h=Object.assign({},l,d,{kind:{validate:(0,o.assertOneOf)(\|"get\|",\|"set\|",\|"method\|",\|"constructor\|"),default:\|"method\|"},access:{validate:(0,o.chain)((0,o.assertValueType)(\|"string\|"),(0,o.assertOneOf)(\|"public\|",\|"private\|",\|"protected\|")),optional:!0},decorators:{validate:(0,o.chain)((0,o.assertValueType)(\|"array\|"),(0,o.assertEach)((0,o.assertNodeType)(\|"Decorator\|"))},optional:!0}});t.classMethodOrDeclareMethodCommon=h,(0,o.default)(\|"ClassMethod\|",{aliases:[\|"Function\|",\|"Scopable\|",\|"BlockParent\|",\|"FunctionParent\|",\|"Method\|"],builder:[\|"kind\|",\|"key\|",\|"params\|",\|"body\|",\|"computed\|",\|"static\|",\|"generator\|",\|"

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async\\",visitor:[\\"key\\",\\"params\\",\\"body\\",\\"decorators\\",\\"returnType\\",\\"typeParameters\\"],fields:Object.assign({,h,c,{body:{validate:(0,o.assertNodeType)(\\"BlockStatement\\")}}),(0,o.default)(\\"ObjectPattern\\",{visitor:[\\"properties\\",\\"typeAnnotation\\",\\"decorators\\"],builder:[\\"properties\\"],aliases:[\\"Pattern\\",\\"PatternLike\\",\\"LVal\\"],fields:Object.assign({,u,{properties:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"RestElement\\",\\"ObjectProperty\\"))}}),(0,o.default)(\\"SpreadElement\\",{visitor:[\\"argument\\"],aliases:[\\"UnaryLike\\"],deprecatedAlias:\\\\"SpreadProperty\\"},fields:{argument:{validate:(0,o.assertNodeType)(\\"Expression\\")}}),(0,o.default)(\\"Super\\",{aliases:[\\"Expression\\"]}),0,o.default)(\\"TaggedTemplateExpression\\",{visitor:[\\"tag\\",\\"quasi\\"],aliases:[\\"Expression\\"],fields:{tag:{validate:(0,o.assertNodeType)(\\"Expression\\")},quasi:{validate:(0,o.assertNodeType)(\\"TemplateLiteral\\"}},typeParameters:{validate:(0,o.assertNodeType)(\\"TypeParameterInstantiation\\",\\"TSTypeParameterInstantiation\\"),optional:!0}}),(0,o.default)(\\"TemplateElement\\",{builder:[\\"value\\",\\"tail\\"],fields:{value:{validate:(0,o.assertShape)({raw:{validate:(0,o.assertValueType)(\\"string\\")},cooked:{validate:(0,o.assertValueType)(\\"string\\"),optional:!0}}},tail:{default:!1}}),(0,o.default)(\\"TemplateLiteral\\",{visitor:[\\"quasis\\",\\"expressions\\"],aliases:[\\"Expression\\",\\"Literal\\"],fields:{quasis:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"TemplateElement\\"))},expressions:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"Expression\\",\\"TSType\\"))),(function(e,t,r){if(e.quasis.length!==r.length+1)throw new TypeError( Number of ${e.type} quasis should be exactly one more than the number of expressions.\\nExpected ${r.length+1} quasis but got ${e.quasis.length}`)}})),(0,o.default)(\\"YieldExpression\\",{builder:[\\"argument\\",\\"delegate\\"],visitor:[\\"argument\\"],aliases:[\\"Expression\\",\\"Terminatorless\\"],fields:{delegate:{validate:(0,o.chain)((0,o.assertValueType)(\\"boolean\\"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&&!e.argument)throw new TypeError(\\"Property delegate of YieldExpression cannot be true if there is no argument\\")}),{type:\\\\"boolean\\"})),default:!1},argument:{optional:!0,validate:(0,o.assertNodeType)(\\"Expression\\")}}),(0,o.default)(\\"AwaitExpression\\",{builder:[\\"argument\\"],visitor:[\\"argument\\"],aliases:[\\"Expression\\",\\"Terminatorless\\"],fields:{argument:{validate:(0,o.assertNodeType)(\\"Expression\\")}}),(0,o.default)(\\"Import\\",{aliases:[\\"Expression\\"]}),0,o.default)(\\"BigIntLiteral\\",{builder:[\\"value\\"],fields:{value:{validate:(0,o.assertValueType)(\\"string\\")}},aliases:[\\"Expression\\",\\"Pureish\\",\\"Literal\\",\\"Immutable\\"]}),0,o.default)(\\"ExportNamespaceSpecifier\\",{visitor:[\\"exported\\"],aliases:[\\"ModuleSpecifier\\"],fields:{exported:{validate:(0,o.assertNodeType)(\\"Identifier\\")}}),(0,o.default)(\\"OptionalMemberExpression\\",{builder:[\\"object\\",\\"property\\",\\"computed\\",\\"optional\\"],visitor:[\\"object\\",\\"property\\"],aliases:[\\"Expression\\"],fields:{object:{validate:(0,o.assertNodeType)(\\"Expression\\")},property:{validate:function(){const e=(0,o.assertNodeType)(\\"Identifier\\"),t=(0,o.assertNodeType)(\\"Expression\\"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return r.oneOfNodeTypes=[\\"Expression\\",\\"Identifier\\",r]}),computed:{default:!1},optional:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.chain)((0,o.assertValueType)(\\"boolean\\"),(0,o.assertOptionalChainStart)):(0,o.assertValueType)(\\"boolean\\")}}),(0,o.default)(\\"OptionalCallExpression\\",{visitor:[\\"callee\\",\\"arguments\\",\\"typeParameters\\",\\"typeArguments\\"],builder:[\\"callee\\",\\"arguments\\",\\"optional\\"],aliases:[\\"Expression\\"],fields:{callee:{validate:(0,o.assertNodeType)(\\"Expression\\")},arguments:{validate:(0,o.chain)((0,o.assertValueType)(\\"array\\"),(0,o.assertEach)((0,o.assertNodeType)(\\"Expression\\",\\"SpreadElement\\",\\"JSXNamespacedName\\",\\"ArgumentPlaceholder\\"))},optional:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.chain)((0,o.assertValueType)(\\"boolean\\"),(0,o.assertOptionalChainStart)):(0,o.assertValueType)(\\"boolean\\")},typeArguments:{validate:(0,o.assertNodeType)(\\"TypeParameterInstantiation\\"),optional:!0},typeParameters:{validate:(0,o.assertNodeType)(\\"TSTypeParameterInstantiation\\"),optional:!0}}},function(e,t,r){\\"use strict\\";Object.defineProperty(t,\\\\"__esModule\\",{value:!0}),t.default=function(e,t){if(e===t)return!0;if(n.ALIAS_KEYS[t])return!1;const r=n.FLIPPED_ALIAS_KEYS[t];if(r){if(r[0]===e)return!0;for(const t of r)if(e===t)return!0}return!1};var n=r(6)},function(e,t,r){\\"use

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strict";Object.defineProperty(t, "__esModule", { value: !0}), t.default = function (e, t, r) { if (!e) return; const
a = n.NODE_FIELDS[e.type]; if (!a) return; const o = a[t]; i(e, t, r, o), s(e, t, r), t.validateField = i, t.validateChild = s; var
n = r(6); function i (e, t, r, n) { null != n && n.validate && (n.optional && null == r || n.validate(e, t, r)) } function
s (e, t, r) { if (null == r) return; const i = n.NODE_PARENT_VALIDATIONS[r.type]; i && i(e, t, r) }, function (e, t, r) { "use
strict"; Object.defineProperty(t, "__esModule", { value: !0}), t.default = function (e, t, r) { t && r && (t[e] = Array.from(
new Set([].concat(t[e], r[e])).filter(Boolean))) }, function (e, t, r) { "use
strict"; Object.defineProperty(t, "__esModule", { value: !0}), t.merge = function (e, t) { const { placeholderWhitelist: r
= e.placeholderWhitelist, placeholderPattern: n = e.placeholderPattern, preserveComments: i = e.preserveComments, synta
cticPlaceholders: s = e.syntacticPlaceholders } = t; return { parser: Object.assign({}, e.parser, t.parser), placeholderWhitelist
: r, placeholderPattern: n, preserveComments: i, syntacticPlaceholders: s }, t.validate = function (e) { if (null != e && "object
" != typeof e) throw new Error("Unknown template options."); const
t = e || {}, { placeholderWhitelist: r, placeholderPattern: n, preserveComments: i, syntacticPlaceholders: s } = t, a = function (e, t)
{ if (null == e) return {}; var r, n, i = {}, s = Object.keys(e); for (n = 0; n < s.length; n++) r = s[n], t.indexOf(r) >= 0 || (i[r] = e[r]); return
i } (t, [{"placeholderWhitelist": r, "placeholderPattern": n, "preserveComments": i, "syntacticPlaceholders": s}]); if(
null != r && !(r instanceof Set)) throw new Error("'placeholderWhitelist' must be a Set, null, or
undefined"); if (null != n && !(n instanceof RegExp) && !1 != n) throw new Error("'placeholderPattern' must be a
RegExp, false, null, or undefined"); if (null != i && "boolean" != typeof i) throw new
Error("'preserveComments' must be a boolean, null, or undefined"); if (null != s && "boolean" != typeof s) throw
new Error("'syntacticPlaceholders' must be a boolean, null, or undefined"); if (!0 === s && (null != r || null != n)) throw
new Error("'placeholderWhitelist' and 'placeholderPattern' aren't compatible with 'syntacticPlaceholders:
true'"); return { parser: a, placeholderWhitelist: r || void 0, placeholderPattern: null == n ? void
0: n, preserveComments: null == i ? void 0: i, syntacticPlaceholders: null == s ? void
0: s }, t.normalizeReplacements = function (e) { if (Array.isArray(e)) return
e.reduce((e, t, r) => (e["$" + r] = t, e), {}); if ("object" == typeof e || null == e) return e || void 0; throw new
Error("Template replacements must be an array, object, null, or undefined") }, function (e, t, r) { "use
strict"; Object.defineProperty(t, "__esModule", { value: !0}); class n { constructor (e, t = {}) { this.label = void
0, this.keyword = void 0, this.beforeExpr = void 0, this.startsExpr = void 0, this.rightAssociative = void 0, this.isLoop = void
0, this.isAssign = void 0, this.prefix = void 0, this.postfix = void 0, this.binop = void 0, this.updateContext = void
0, this.label = e, this.keyword = t.keyword, this.beforeExpr = !t.beforeExpr, this.startsExpr = !t.startsExpr, this.rightAssociative = !t.rightAssociative, this.isLoop = !t.isLoop, this.isAssign = !t.isAssign, this.prefix = !t.prefix, this.postfix = !t.postfix, this.binop = null != t.binop ? t.binop: null, this.updateContext = null } } const i = new Map; function
s (e, t = {}) { t.keyword = e; const r = new n (e, t); return i.set (e, r), r } function a (e, t) { return new
n (e, { beforeExpr: !0, binop: t }) } const o = { num: new n ("num", { startsExpr: !0 }), bigint: new
n ("bigint", { startsExpr: !0 }), decimal: new n ("decimal", { startsExpr: !0 }), regexp: new
n ("regexp", { startsExpr: !0 }), string: new n ("string", { startsExpr: !0 }), name: new
n ("name", { startsExpr: !0 }), eof: new n ("eof"), bracketL: new
n ("["), { beforeExpr: !0, startsExpr: !0 }, bracketHashL: new
n ("#[", { beforeExpr: !0, startsExpr: !0 }, bracketBarL: new n ("["), { beforeExpr: !0, startsExpr: !0 }, bracketR: new
n ("]"), bracketBarR: new n ("]"), braceL: new n ("{"), { beforeExpr: !0, startsExpr: !0 }, braceBarL: new
n ("{"), { beforeExpr: !0, startsExpr: !0 }, braceHashL: new n ("#{", { beforeExpr: !0, startsExpr: !0 }, braceR: new
n ("}"), braceBarR: new n ("}"), parenL: new n ("("), { beforeExpr: !0, startsExpr: !0 }, parenR: new
n (")"), comma: new n (","), { beforeExpr: !0 }, semi: new n (";"), { beforeExpr: !0 }, colon: new
n (":"), { beforeExpr: !0 }, doubleColon: new n (":="), { beforeExpr: !0 }, dot: new n ("."), question: new
n ("?"), { beforeExpr: !0 }, questionDot: new n ("?."), arrow: new n ("=>"), { beforeExpr: !0 }, template: new
n ("template"), ellipsis: new n ("..."), { beforeExpr: !0 }, backQuote: new
n ("`"), { startsExpr: !0 }, dollarBraceL: new n ("${", { beforeExpr: !0, startsExpr: !0 }, at: new n ("@"), hash: new
n ("#"), { startsExpr: !0 }, interpreterDirective: new n ("#!..."), eq: new
n ("="), { beforeExpr: !0, isAssign: !0 }, assign: new n ("_="), { beforeExpr: !0, isAssign: !0 }, incDec: new n ("++/--

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| | , { prefix: !0, postfix: !0, startsExpr: !0 } , bang: new n( | | "! | | " , { beforeExpr: !0, prefix: !0, startsExpr: !0 } ) , tilde: new
n( | | "~ | | " , { beforeExpr: !0, prefix: !0, startsExpr: !0 } ) , pipeline: a( | | "> | | " , 0 ) , nullishCoalescing: a( | | "?? | | " , 1 ) , logicalOR:
a( | | "| | | | " , 1 ) , logicalAND: a( | | "&& | | " , 2 ) , bitwiseOR: a( | | "| | | | " , 3 ) , bitwiseXOR: a( | | "^ | | " , 4 ) , bitwiseAND: a( | | "& | | " , 5 ) ,
equality: a( | | " == ! / !== / === / !== " , 6 ) , relational: a( | | "< / > / <= / >= " , 7 ) , bitShift: a( | | "<< / >> " , 8 ) , plusMin: new
n( | | "+ / - | | " , { beforeExpr: !0, binop: 9, prefix: !0, startsExpr: !0 } ) , modulo: new
n( | | "% | | " , { beforeExpr: !0, binop: 10, startsExpr: !0 } ) , star: new
n( | | "* | | " , { binop: 10 } ) , slash: a( | | "/" | | " , 10 ) , exponent: new
n( | | "** | | " , { beforeExpr: !0, binop: 11, rightAssociative: !0 } ) , _break: s( | | "break | | " ) , _case: s( | | "case | | " , { beforeExpr: !0 } )
) , _catch: s( | | "catch | | " ) , _continue: s( | | "continue | | " ) , _debugger: s( | | "debugger | | " ) , _default: s( | | "default | | " , { beforeEx
pr: !0 } ) , _do: s( | | "do | | " , { isLoop: !0, beforeExpr: !0 } ) , _else: s( | | "else | | " , { beforeExpr: !0 } ) , _finally: s( | | "finally | | " ) , _for:
s( | | "for | | " , { isLoop: !0 } ) , _function: s( | | "function | | " , { startsExpr: !0 } ) , _if: s( | | "if | | " ) , _return: s( | | "return | | " , { beforeEx
pr: !0 } ) , _switch: s( | | "switch | | " ) , _throw: s( | | "throw | | " , { beforeExpr: !0, prefix: !0, startsExpr: !0 } ) , _try: s( | | "try | | " ) , _var
: s( | | "var | | " ) , _const: s( | | "const | | " ) , _while: s( | | "while | | " , { isLoop: !0 } ) , _with: s( | | "with | | " ) , _new: s( | | "new | | " , { befor
eExpr: !0, startsExpr: !0 } ) , _this: s( | | "this | | " , { startsExpr: !0 } ) , _super: s( | | "super | | " , { startsExpr: !0 } ) , _class: s( | | "class | |
" , { startsExpr: !0 } ) , _extends: s( | | "extends | | " , { beforeExpr: !0 } ) , _export: s( | | "export | | " ) , _import: s( | | "import | | " , { starts
Expr: !0 } ) , _null: s( | | "null | | " , { startsExpr: !0 } ) , _true: s( | | "true | | " , { startsExpr: !0 } ) , _false: s( | | "false | | " , { startsExpr: !0 } )
) , _in: s( | | "in | | " , { beforeExpr: !0, binop: 7 } ) , _instanceof: s( | | "instanceof | | " , { beforeExpr: !0, binop: 7 } ) , _typeof: s( | | "type
of | | " , { beforeExpr: !0, prefix: !0, startsExpr: !0 } ) , _void: s( | | "void | | " , { beforeExpr: !0, prefix: !0, startsExpr: !0 } ) , _delete: s(
| | "delete | | " , { beforeExpr: !0, prefix: !0, startsExpr: !0 } ) } , l = / | | r | | n ? [ | | | | n | | | | u2028 | | | | u2029 ] / , c = new
RegExp( l.source, | | "g | | " ) ; function p( e ) { switch( e ) { case 10: case 13: case 8232: case
8233: return !0 ; default: return !1 } } const u = ( ? : | | | | s | | | | | | | | \ | | \ . * | | | | | | | | [ ^ ] * ? | | | | * | | | | \ | | ) * / g ; function d( e ) { switch( e ) { case
9: case 11: case 12: case 32: case 160: case 5760: case 8192: case 8193: case 8194: case 8195: case 8196: case 8197: case
8198: case 8199: case 8200: case 8201: case 8202: case 8239: case 8287: case 12288: case
65279: return !0 ; default: return !1 } } class h { constructor( e, t ) { this.line = void 0, this.column = void
0, this.line = e, this.column = t } } class f { constructor( e, t ) { this.start = void 0, this.end = void 0, this.filename = void
0, this.identifierName = void 0, this.start = e, this.end = t } } function m( e ) { return e [ e.length - 1 ] } const
y = Object.freeze( { AccessorIsGenerator: | | "A %0ter cannot be a generator | | " , ArgumentsInClass: | | "arguments' is
only allowed in functions and class methods | | " , AsyncFunctionInSingleStatementContext: | | "Async functions can
only be declared at the top level or inside a block | | " , AwaitBindingIdentifier: | | "Can not use 'await' as identifier
inside an async function | | " , AwaitExpressionFormalParameter: | | "'await' is not allowed in async function
parameters | | " , AwaitNotInAsyncContext: | | "'await' is only allowed within async functions and at the top levels of
modules | | " , AwaitNotInAsyncFunction: | | "'await' is only allowed within async
functions | | " , BadGetterArity: | | "getter must not have any formal parameters | | " , BadSetterArity: | | "setter must have
exactly one formal parameter | | " , BadSetterRestParameter: | | "setter function argument must not be a rest
parameter | | " , ConstructorClassField: | | "Classes may not have a field named
'constructor' | | " , ConstructorClassPrivateField: | | "Classes may not have a private field named
'#constructor' | | " , ConstructorIsAccessor: | | "Class constructor may not be an
accessor | | " , ConstructorIsAsync: | | "Constructor can't be an async
function | | " , ConstructorIsGenerator: | | "Constructor can't be a generator | | " , DeclarationMissingInitializer: | | "%0
require an initialization value | | " , DecoratorBeforeExport: | | "Decorators must be placed *before* the 'export'
keyword. You can set the 'decoratorsBeforeExport' option to false to use the 'export @decorator class { }'
syntax | | " , DecoratorConstructor: | | "Decorators can't be used with a constructor. Did you mean '@dec class { ...
}?' | | " , DecoratorExportClass: | | "Using the export keyword between a decorator and a class is not allowed. Please
use `export @dec class` instead. | | " , DecoratorSemicolon: | | "Decorators must not be followed by a
semicolon | | " , DecoratorStaticBlock: | | "Decorators can't be used with a static
block | | " , DeletePrivateField: | | "Deleting a private field is not allowed | | " , DestructureNamedImport: | | "ES2015
named imports do not destructure. Use another statement for destructuring after the
import. | | " , DuplicateConstructor: | | "Duplicate constructor in the same class | | " , DuplicateDefaultExport: | | "Only one

```

default export allowed per module.\\",DuplicateExport:\\",DuplicateProto:\\",DuplicateRegExpFlags:\\",DuplicateRegularExpressionFlag:\\",DuplicateStaticBlock:\\",ElementAfterRest:\\",EscapedCharNotAnIdentifier:\\",ExportBindingIsString:\\",ExportDefaultFromAsIdentifier:\\",ForInOfLoopInitializer:\\",GeneratorInSingleStatementContext:\\",IllegalBreakContinue:\\",IllegalLanguageModeDirective:\\",IllegalReturn:\\",ImportBindingIsString:\\",ImportCallArgumentTrailingComma:\\",ImportCallAriety:\\",ImportCallNotNewExpression:\\",ImportCallSpreadArgument:\\",ImportMetaOutsideModule:\\",ImportOutsideModule:\\",InvalidBigIntLiteral:\\",InvalidCodePoint:\\",InvalidDecimal:\\",InvalidDigit:\\",InvalidEscapeSequence:\\",InvalidEscapeSequenceTemplate:\\",InvalidEscapedReservedWord:\\",InvalidIdentifier:\\",InvalidLhs:\\",InvalidLhsBinding:\\",InvalidNumber:\\",InvalidOrMissingExponent:\\",InvalidOrUnexpectedToken:\\",InvalidParenthesizedAssignment:\\",InvalidPrivateFieldResolution:\\",InvalidPropertyBindingPattern:\\",InvalidRecordProperty:\\",InvalidRestAssignmentPattern:\\",LabelRedeclaration:\\",LetInLexicalBinding:\\",LineTerminatorBeforeArrow:\\",MalformedRegExpFlags:\\",MissingClassName:\\",MissingEqInAssignment:\\",MissingUnicodeEscape:\\",MixingCoalesceWithLogical:\\",ModuleAttributeDifferentFromType:\\",ModuleAttributeInvalidValue:\\",ModuleAttributesWithDuplicateKeys:\\",ModuleExportNameHasLoneSurrogate:\\",ModuleExportUndefined:\\",MultipleDefaultsInSwitch:\\",NewlineAfterThrow:\\",NoCatchOrFinally:\\",NumberIdentifier:\\",NumericSeparatorInEscapeSequence:\\",ObsoleteAwaitStar:\\",OptionalChainingNoNew:\\",OptionalChainingNoTemplate:\\",ParamDupe:\\",PatternHasAccessor:\\",PatternHasMethod:\\",PipelineBodyNoArrow:\\",DuplicateExport:\\",DuplicateProto:\\",DuplicateRegExpFlags:\\",DuplicateRegularExpressionFlag:\\",DuplicateStaticBlock:\\",ElementAfterRest:\\",EscapedCharNotAnIdentifier:\\",ExportBindingIsString:\\",ExportDefaultFromAsIdentifier:\\",ForInOfLoopInitializer:\\",GeneratorInSingleStatementContext:\\",IllegalBreakContinue:\\",IllegalLanguageModeDirective:\\",IllegalReturn:\\",ImportBindingIsString:\\",ImportCallArgumentTrailingComma:\\",ImportCallAriety:\\",ImportCallNotNewExpression:\\",ImportCallSpreadArgument:\\",ImportMetaOutsideModule:\\",ImportOutsideModule:\\",InvalidBigIntLiteral:\\",InvalidCodePoint:\\",InvalidDecimal:\\",InvalidDigit:\\",InvalidEscapeSequence:\\",InvalidEscapeSequenceTemplate:\\",InvalidEscapedReservedWord:\\",InvalidIdentifier:\\",InvalidLhs:\\",InvalidLhsBinding:\\",InvalidNumber:\\",InvalidOrMissingExponent:\\",InvalidOrUnexpectedToken:\\",InvalidParenthesizedAssignment:\\",InvalidPrivateFieldResolution:\\",InvalidPropertyBindingPattern:\\",InvalidRecordProperty:\\",InvalidRestAssignmentPattern:\\",LabelRedeclaration:\\",LetInLexicalBinding:\\",LineTerminatorBeforeArrow:\\",MalformedRegExpFlags:\\",MissingClassName:\\",MissingEqInAssignment:\\",MissingUnicodeEscape:\\",MixingCoalesceWithLogical:\\",ModuleAttributeDifferentFromType:\\",ModuleAttributeInvalidValue:\\",ModuleAttributesWithDuplicateKeys:\\",ModuleExportNameHasLoneSurrogate:\\",ModuleExportUndefined:\\",MultipleDefaultsInSwitch:\\",NewlineAfterThrow:\\",NoCatchOrFinally:\\",NumberIdentifier:\\",NumericSeparatorInEscapeSequence:\\",ObsoleteAwaitStar:\\",OptionalChainingNoNew:\\",OptionalChainingNoTemplate:\\",ParamDupe:\\",PatternHasAccessor:\\",PatternHasMethod:\\",PipelineBodyNoArrow:

parenthesized',PipelineBodySequenceExpression:\\\\"Pipeline body may not be a comma-separated sequence expression\\\\"',PipelineHeadSequenceExpression:\\\\"Pipeline head should not be a comma-separated sequence expression\\\\"',PipelineTopicUnused:\\\\"Pipeline is in topic style but does not use topic reference\\\\"',PrimaryTopicNotAllowed:\\\\"Topic reference was used in a lexical context without topic binding\\\\"',PrimaryTopicRequiresSmartPipeline:\\\\"Primary Topic Reference found but pipelineOperator not passed 'smart' for 'proposal' option.\\\\"',PrivateInExpectedIn:\\\\"Private names are only allowed in property accesses (^obj.#%0) or in `in` expressions (^%0 in obj)\\\\"',PrivateNameRedeclaration:\\\\"Duplicate private name #%0\\\\"',RecordExpressionBarIncorrectEndSyntaxType:\\\\"Record expressions ending with `}` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'\\\\"',RecordExpressionBarIncorrectStartSyntaxType:\\\\"Record expressions starting with `{` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'\\\\"',RecordExpressionHashIncorrectStartSyntaxType:\\\\"Record expressions starting with `#{` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'\\\\"',RecordNoProto:\\\\"`__proto__` is not allowed in Record expressions\\\\"',RestTrailingComma:\\\\"Unexpected trailing comma after rest element\\\\"',SloppyFunction:\\\\"In non-strict mode code, functions can only be declared at top level, inside a block, or as the body of an if statement\\\\"',StaticPrototype:\\\\"Classes may not have static property named prototype\\\\"',StrictDelete:\\\\"Deleting local variable in strict mode\\\\"',StrictEvalArguments:\\\\"Assigning to '%0' in strict mode\\\\"',StrictEvalArgumentsBinding:\\\\"Binding '%0' in strict mode\\\\"',StrictFunction:\\\\"In strict mode code, functions can only be declared at top level or inside a block\\\\"',StrictNumericEscape:\\\\"The only valid numeric escape in strict mode is '\\\\\\\\\\\\\\\\\\0'\\\\"',StrictOctalLiteral:\\\\"Legacy octal literals are not allowed in strict mode\\\\"',StrictWith:\\\\"`with` in strict mode\\\\"',SuperNotAllowed:\\\\"super() is only valid inside a class constructor of a subclass. Maybe a typo in the method name ('constructor') or not extending another class?\\\\"',SuperPrivateField:\\\\"Private fields can't be accessed on super\\\\"',TrailingDecorator:\\\\"Decorators must be attached to a class element\\\\"',TupleExpressionBarIncorrectEndSyntaxType:\\\\"Tuple expressions ending with `]` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'\\\\"',TupleExpressionBarIncorrectStartSyntaxType:\\\\"Tuple expressions starting with `[` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'\\\\"',TupleExpressionHashIncorrectStartSyntaxType:\\\\"Tuple expressions starting with `#[` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'\\\\"',UnexpectedArgumentPlaceholder:\\\\"Unexpected argument placeholder\\\\"',UnexpectedAwaitAfterPipelineBody: 'Unexpected \\\\"await\\\\" after pipeline body; await must have parentheses in minimal proposal',UnexpectedDigitAfterHash:\\\\"Unexpected digit after hash token\\\\"',UnexpectedImportExport:\\\\"`import` and `export` may only appear at the top level\\\\"',UnexpectedKeyword:\\\\"Unexpected keyword '%0'\\\\"',UnexpectedLeadingDecorator:\\\\"Leading decorators must be attached to a class declaration\\\\"',UnexpectedLexicalDeclaration:\\\\"Lexical declaration cannot appear in a single-statement context\\\\"',UnexpectedNewTarget:\\\\"new.target can only be used in functions\\\\"',UnexpectedNumericSeparator:\\\\"A numeric separator is only allowed between two digits\\\\"',UnexpectedPrivateField:\\\\"Private names can only be used as the name of a class element (i.e. class C { #p = 42; #m() { } })\\n or a property of member expression (i.e. this.#p).\\\\"',UnexpectedReservedWord:\\\\"Unexpected reserved word '%0'\\\\"',UnexpectedSuper:\\\\"super is only allowed in object methods and classes\\\\"',UnexpectedToken:\\\\"Unexpected token '%0'\\\\"',UnexpectedTokenUnaryExponentiation:\\\\"Illegal expression. Wrap left hand side or entire exponentiation in parentheses.\\\\"',UnsupportedBind:\\\\"Binding should be performed on object property.\\\\"',UnsupportedDecoratorExport:\\\\"A decorated export must export a class declaration\\\\"',UnsupportedDefaultExport:\\\\"Only expressions, functions or classes are allowed as the `default` export.\\\\"',UnsupportedImport:\\\\"import can only be used in import() or import.meta\\\\"',UnsupportedMetaProperty:\\\\"The only valid meta property for %0 is %0.%1\\\\"',UnsupportedParameterDecorator:\\\\"Decorators cannot be used to decorate

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parameters\\",UnsupportedPropertyDecorator:\\\"Decorators cannot be used to decorate object literal
properties\\\",UnsupportedSuper:\\\"super can only be used with function calls (i.e. super()) or in property accesses
(i.e. super.prop or super[prop])\\\",UnterminatedComment:\\\"Unterminated
comment\\\",UnterminatedRegExp:\\\"Unterminated regular expression\\\",UnterminatedString:\\\"Unterminated
string constant\\\",UnterminatedTemplate:\\\"Unterminated template\\\",VarRedeclaration:\\\"Identifier '%0' has
already been declared\\\",YieldBindingIdentifier:\\\"Can not use 'yield' as identifier inside a
generator\\\",YieldInParameter:\\\"Yield expression is not allowed in formal
parameters\\\",ZeroDigitNumericSeparator:\\\"Numeric separator can not be used after leading 0\\\"});function
T(e){return null!=e&&\\\"Property\\\"===e.type&&\\\"init\\\"===e.kind&&!1===e.method}class
b{constructor(e,t,r,n){this.token=void 0,this.isExpr=void 0,this.preserveSpace=void 0,this.override=void
0,this.token=e,this.isExpr=!t,this.preserveSpace=!r,this.override=n}const g={braceStatement:new
b(\\\"{\\\",!1),braceExpression:new b(\\\"{\\\",!0),recordExpression:new b(\\\"#{\\\",!0),templateQuasi:new
b(\\\"${\\\",!1),parenStatement:new b(\\\"(\\\",!1),parenExpression:new b(\\\"(\\\",!0),template:new
b(\\\"`\\\",!0,!0,e=>e.readTplToken()),functionExpression:new b(\\\"function\\\",!0),functionStatement:new
b(\\\"function\\\",!1)};o.parenR.updateContext=o.braceR.updateContext=function(){if(1===this.state.context.length)
return void(this.state.exprAllowed=!0);let
e=this.state.context.pop();e===g.braceStatement&&\\\"function\\\"===this.curContext().token&&(e=this.state.conte
xt.pop()),this.state.exprAllowed=!e.isExpr,o.name.updateContext=function(e){let
t=!1;e!=o.dot&&(\\\"of\\\"!==this.state.value||this.state.exprAllowed||e===o._function||e===o._class||(t=!0)),this.st
ate.exprAllowed=t,this.state.isIterator&&(this.state.isIterator=!1)},o.braceL.updateContext=function(e){this.state.co
ntext.push(this.braceIsBlock(e)?g.braceStatement:g.braceExpression),this.state.exprAllowed=!0},o.dollarBraceL.up
dateContext=function(){this.state.context.push(g.templateQuasi),this.state.exprAllowed=!0},o.parenL.updateConte
xt=function(e){const
t=e===o._if||e===o._for||e===o._with||e===o._while;this.state.context.push(t?g.parenStatement:g.parenExpression)
,this.state.exprAllowed=!0},o.incDec.updateContext=function(){},o._function.updateContext=o._class.updateConte
xt=function(e){!e.beforeExpr||e===o.semi||e===o._else||e===o._return&&this.hasPrecedingLineBreak()||e===o.col
on||e===o.braceL}&&this.curContext()===g.b_stat?this.state.context.push(g.functionStatement):this.state.context.p
ush(g.functionExpression),this.state.exprAllowed=!1},o.backQuote.updateContext=function(){this.curContext()===
g.template?this.state.context.pop():this.state.context.push(g.template),this.state.exprAllowed=!1},o.braceHashL.upd
ateContext=function(){this.state.context.push(g.recordExpression),this.state.exprAllowed=!0};let S=\\\"µ°À-ÖØ-
öø-^-----
-----\\\",x=\\\"-----
-----\\\";const E=new RegExp(\\\"[\\\"+S+\\\"]\\\"),P=new RegExp(\\\"[\\\"+S+x+\\\"]\\\"),S=x=null;const
v=[0,11,2,25,2,18,2,1,2,14,3,13,35,122,70,52,268,28,4,48,48,31,14,29,6,37,11,29,3,35,5,7,2,4,43,157,19,35,5,35,5,3
9,9,51,157,310,10,21,11,7,153,5,3,0,2,43,2,1,4,0,3,22,11,22,10,30,66,18,2,1,11,21,11,25,71,55,7,1,65,0,16,3,2,2,2,2
8,43,28,4,28,36,7,2,27,28,53,11,21,11,18,14,17,111,72,56,50,14,50,14,35,349,41,7,1,79,28,11,0,9,21,107,20,28,22,1
3,52,76,44,33,24,27,35,30,0,3,0,9,34,4,0,13,47,15,3,22,0,2,0,36,17,2,24,85,6,2,0,2,3,2,14,2,9,8,46,39,7,3,1,3,21,2,6,
2,1,2,4,4,0,19,0,13,4,159,52,19,3,21,2,31,47,21,1,2,0,185,46,42,3,37,47,21,0,60,42,14,0,72,26,230,43,117,63,32,7,3,
0,3,7,2,1,2,23,16,0,2,0,95,7,3,38,17,0,2,0,29,0,11,39,8,0,22,0,12,45,20,0,35,56,264,8,2,36,18,0,50,29,113,6,2,1,2,37,
22,0,26,5,2,1,2,31,15,0,328,18,190,0,80,921,103,110,18,195,2749,1070,4050,582,8634,568,8,30,114,29,19,47,17,3,
32,20,6,18,689,63,129,74,6,0,67,12,65,1,2,0,29,6135,9,1237,43,8,8952,286,50,2,18,3,9,395,2309,106,6,12,4,8,8,9,5
991,84,2,70,2,1,3,0,3,1,3,3,2,11,2,0,2,6,2,64,2,3,3,7,2,6,2,27,2,3,2,4,2,0,4,6,2,339,3,24,2,24,2,30,2,24,2,30,2,24,2,30
,2,24,2,30,2,24,2,7,2357,44,11,6,17,0,370,43,1301,196,60,67,8,0,1205,3,2,26,2,1,2,0,3,0,2,9,2,3,2,0,2,0,7,0,5,0,2,0,2
,0,2,2,2,1,2,0,3,0,2,0,2,0,2,0,2,1,2,0,3,3,2,6,2,3,2,3,2,0,2,9,2,16,6,2,2,4,2,16,4421,42717,35,4148,12,221,3,5761,
15,7472,3104,541,1507,4938],A=[509,0,227,0,150,4,294,9,1368,2,2,1,6,3,41,2,5,0,166,1,574,3,9,9,370,1,154,10,17
6,2,54,14,32,9,16,3,46,10,54,9,7,2,37,13,2,9,6,1,45,0,13,2,49,13,9,3,2,11,83,11,7,0,161,11,6,9,7,3,56,1,2,6,3,1,3,2,1
0,0,11,1,3,6,4,4,193,17,10,9,5,0,82,19,13,9,214,6,3,8,28,1,83,16,16,9,82,12,9,9,84,14,5,9,243,14,166,9,71,5,2,1,3,3,

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2,0,2,1,13,9,120,6,3,6,4,0,29,9,41,6,2,3,9,0,10,10,47,15,406,7,2,7,17,9,57,21,2,13,123,5,4,0,2,1,2,6,2,0,9,9,49,4,2,1,
2,4,9,9,330,3,19306,9,135,4,60,6,26,9,1014,0,2,54,8,3,82,0,12,1,19628,1,5319,4,4,5,9,7,3,6,31,3,149,2,1418,49,513,
54,5,49,9,0,15,0,23,4,2,14,1361,6,2,16,3,6,2,1,2,4,262,6,10,9,419,13,1495,6,110,6,6,9,4759,9,787719,239];function
w(e,t){let r=65536;for(let
n=0,i=t.length;n<i;n+=2){if(r+=t[n],r>e)return!1;if(r+=t[n+1],r>=e)return!0}return!1}function O(e){return
e<65?36===e:e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&E.test(String.fromCharCode(e)):w(e,v)))}func
tion I(e){return
e<48?36===e:e<58!((e<65)&&(e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&P.test(String.fromCharCode
(e)):w(e,v)||w(e,A))))}const
C=[\\"implements\\",\\"interface\\",\\"let\\",\\"package\\",\\"private\\",\\"protected\\",\\"public\\",\\"static\\",
\\"yield\\"],N=[\\"eval\\",\\"arguments\\"],k=new
Set([\\"break\\",\\"case\\",\\"catch\\",\\"continue\\",\\"debugger\\",\\"default\\",\\"do\\",\\"else\\",\\"finally\\",
\\"for\\",\\"function\\",\\"if\\",\\"return\\",\\"switch\\",\\"throw\\",\\"try\\",\\"var\\",\\"const\\",\\"while\\",
\\"with\\",\\"new\\",\\"this\\",\\"super\\",\\"class\\",\\"extends\\",\\"export\\",\\"import\\",\\"null\\",\\"tru
e\\",\\"false\\",\\"in\\",\\"instanceof\\",\\"typeof\\",\\"void\\",\\"delete\\"]),D=new Set(C),_=new
Set(N);function L(e,t){return t&&\\"await\\"===e||\\"enum\\"===e}function M(e,t){return
L(e,t)||D.has(e)}function j(e){return _.has(e)}function F(e,t){return M(e,t)||j(e)}function R(e){return k.has(e)}const
B=/^in(stanceof)?$/;const U=new
Set([\\"_\\",\\"any\\",\\"bool\\",\\"boolean\\",\\"empty\\",\\"extends\\",\\"false\\",\\"interface\\",\\"mixed\\",
\\"null\\",\\"number\\",\\"static\\",\\"string\\",\\"true\\",\\"typeof\\",\\"void\\"]),V=Object.freeze({ Ambiguous
sConditionalArrow:\\\"Ambiguous expression: wrap the arrow functions in parentheses to
disambiguate.\\\",AmbiguousDeclareModuleKind:\\\"Found both `declare module.exports` and `declare export` in
the same module. Modules can only have 1 since they are either an ES module or they are a CommonJS
module\\\",AssignReservedType:\\\"Cannot overwrite reserved type %0\\\",DeclareClassElement:\\\"The `declare`
modifier can only appear on class fields.\\\",DeclareClassFieldInitializer:\\\"Initializers are not allowed in fields with
the `declare` modifier.\\\",DuplicateDeclareModuleExports:\\\"Duplicate `declare module.exports`
statement\\\",EnumBooleanMemberNotInitialized:\\\"Boolean enum members need to be initialized. Use either `%0
= true,` or `%0 = false,` in enum `%1`.\\\",EnumDuplicateMemberName:\\\"Enum member names need to be
unique, but the name `%0` has already been used before in enum
`%1`.\\\",EnumInconsistentMemberValues:\\\"Enum `%0` has inconsistent member initializers. Either use no
initializers, or consistently use literals (either booleans, numbers, or strings) for all member
initializers.\\\",EnumInvalidExplicitType:\\\"Enum type `%1` is not valid. Use one of `boolean`, `number`, `string`,
or `symbol` in enum `%0`.\\\",EnumInvalidExplicitTypeUnknownSupplied:\\\"Supplied enum type is not valid. Use
one of `boolean`, `number`, `string`, or `symbol` in enum
`%0`.\\\",EnumInvalidMemberInitializerPrimaryType:\\\"Enum `%0` has type `%2`, so the initializer of `%1` needs
to be a %2 literal.\\\",EnumInvalidMemberInitializerSymbolType:\\\"Symbol enum members cannot be initialized.
Use `%1,` in enum `%0`.\\\",EnumInvalidMemberInitializerUnknownType:\\\"The enum member initializer for
`%1` needs to be a literal (either a boolean, number, or string) in enum
`%0`.\\\",EnumInvalidMemberName:\\\"Enum member names cannot start with lowercase 'a' through 'z'. Instead of
using `%0`, consider using `%1`, in enum `%2`.\\\",EnumNumberMemberNotInitialized:\\\"Number enum members
need to be initialized, e.g. `%1 = 1` in enum `%0`.\\\",EnumStringMemberInconsistentlyInitailized:\\\"String enum
members need to consistently either all use initializers, or use no initializers, in enum
`%0`.\\\",ImportTypeShorthandOnlyInPureImport:\\\"The `type` and `typeof` keywords on named imports can only
be used on regular `import` statements. It cannot be used with `import type` or `import typeof`
statements\\\",InexactInsideExact:\\\"Explicit inexact syntax cannot appear inside an explicit exact object
type\\\",InexactInsideNonObject:\\\"Explicit inexact syntax cannot appear in class or interface
definitions\\\",InexactVariance:\\\"Explicit inexact syntax cannot have
variance\\\",InvalidNonTypeImportInDeclareModule:\\\"Imports within a `declare module` body must always be

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`import type` or `import typeof`",MissingTypeParamDefault:""Type parameter declaration needs a default, since
a preceding type parameter declaration has a default.",NestedDeclareModule:""declare module` cannot be used
inside another `declare module`",NestedFlowComment:""Cannot have a flow comment inside another flow
comment"",OptionalBindingPattern:""A binding pattern parameter cannot be optional in an implementation
signature.",SpreadVariance:""Spread properties cannot have variance"",TypeBeforeInitializer:""Type
annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number =
25`"",TypeCastInPattern:""The type cast expression is expected to be wrapped with
parenthesis"",UnexpectedExplicitInexactInObject:""Explicit inexact syntax must appear at the end of an inexact
object"",UnexpectedReservedType:""Unexpected reserved type %0"",UnexpectedReservedUnderscore:"" ` _ ` is
only allowed as a type argument to call or new"",UnexpectedSpaceBetweenModuloChecks:""Spaces between ` % `
and ` checks ` are not allowed here.",UnexpectedSpreadType:""Spread operator cannot appear in class or interface
definitions"",UnexpectedSubtractionOperand:"Unexpected token, expected ""number"" or
""bigint"",UnexpectedTokenAfterTypeParameter:""Expected an arrow function after this type parameter
declaration"",UnexpectedTypeParameterBeforeAsyncArrowFunction:""Type parameters must come after the
async keyword, e.g. instead of `
```

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p:|'|',infin:|'|',ang:|'|',and:|'|',or:|'|',cap:|'|',cup:|'|',int:|'|',there4:|'|',sim:|'|',cong:|
|'|',asympt:|'|',ne:|'|',equiv:|'|',le:|'|',ge:|'|',sub:|'|',sup:|'|',nsub:|'|',sube:|'|',supe:|'|
|'|',oplus:|'|',otimes:|'|',perp:|'|',sdot:|'|',lceil:|'|',rceil:|'|',lfloor:|'|',rfloor:|'|',lang:|'|'|'
,rang:|'|'|',loz:|'|'|',spades:|'|'|',clubs:|'|'|',hearts:|'|'|',diams:|'|'|'|',J= /^[\\da-fA-
F]+$/,H= /^[\\d+$/,G=Object.freeze({ AttributeIsEmpty:|"JSX attributes must only be assigned a non-empty
expression|",MissingClosingTagFragment:|"Expected corresponding JSX closing tag for
<>|",MissingClosingTagElement:|"Expected corresponding JSX closing tag for
<%0>|",UnsupportedJsxValue:|"JSX value should be either an expression or a quoted JSX
text|",UnterminatedJsxContent:|"Unterminated JSX contents|",UnwrappedAdjacentJSXElements:|"Adjacent
JSX elements must be wrapped in an enclosing tag. Did you want a JSX fragment <>...</>?|");function
z(e){return!e&&(|"JSXOpeningFragment|"===e.type|||"JSXClosingFragment|"===e.type)}function
$(e){if(|"JSXIdentifier|"===e.type)return e.name;if(|"JSXNamespacedName|"===e.type)return
e.namespace.name+|":|"+e.name.name;if(|"JSXMemberExpression|"===e.type)return
$(e.object)+|".|"+$(e.property);throw new Error(|"Node had unexpected type: |"+e.type)}g.j_oTag=new
b(|"<tag|",!1),g.j_cTag=new b(|"</tag|",!1),g.j_expr=new b(|"<tag>...</tag>|",!0,!0),o.jsxName=new
n(|"jsxName|"),o.jsxText=new n(|"jsxText|",{beforeExpr:!0}),o.jsxTagStart=new
n(|"jsxTagStart|",{startsExpr:!0}),o.jsxTagEnd=new
n(|"jsxTagEnd|"),o.jsxTagStart.updateContext=function(){this.state.context.push(g.j_expr),this.state.context.push
(g.j_oTag),this.state.exprAllowed=!1},o.jsxTagEnd.updateContext=function(e){const
t=this.state.context.pop();t===g.j_oTag&&e===o.slash||t===g.j_cTag?(this.state.context.pop(),this.state.exprAllow
ed=this.curContext()===g.j_expr):this.state.exprAllowed=!0};class Q{constructor(e){this.flags=void
0,this.var=[],this.lexical=[],this.functions=[],this.flags=e}class
Z{constructor(e,t){this.scopeStack=[],this.undefinedExports=new Map,this.undefinedPrivateNames=new
Map,this.raise=e,this.inModule=t}get inFunction(){return(2&this.currentVarScope().flags)>0}get
allowSuper(){return(16&this.currentThisScope().flags)>0}get
allowDirectSuper(){return(32&this.currentThisScope().flags)>0}get
inClass(){return(64&this.currentThisScope().flags)>0}get
inNonArrowFunction(){return(2&this.currentThisScope().flags)>0}get treatFunctionsAsVar(){return
this.treatFunctionsAsVarInScope(this.currentScope())}createScope(e){return new
Q(e)}enter(e){this.scopeStack.push(this.createScope(e))}exit(){this.scopeStack.pop()}treatFunctionsAsVarInScope(
e){return!(2&e.flags||!this.inModule&&1&e.flags)}declareName(e,t,r){let
n=this.currentScope();if(8&t||16&t)this.checkRedeclarationInScope(n,e,t,r),16&t?n.functions.push(e):n.lexical.push(
e),8&t&&this.maybeExportDefined(n,e);else if(4&t)for(let i=this.scopeStack.length-
1;i>=0&&(n=this.scopeStack[i],this.checkRedeclarationInScope(n,e,t,r),n.var.push(e),this.maybeExportDefined(n,e)
,!!(131&n.flags));--
i);this.inModule&&1&n.flags&&this.undefinedExports.delete(e)}maybeExportDefined(e,t){this.inModule&&1&e.f
lags&&this.undefinedExports.delete(t)}checkRedeclarationInScope(e,t,r,n){this.isRedeclaredInScope(e,t,r)&&this.r
aise(n,y.VarRedeclaration,t)}isRedeclaredInScope(e,t,r){return!(1&r)&&(8&r?e.lexical.indexOf(t)>-
1||e.functions.indexOf(t)>-1||e.var.indexOf(t)>-1:16&r?e.lexical.indexOf(t)>-
1||!this.treatFunctionsAsVarInScope(e)&&e.var.indexOf(t)>-1:e.lexical.indexOf(t)>-
1&&!(8&e.flags&&e.lexical[0]===t)||!this.treatFunctionsAsVarInScope(e)&&e.functions.indexOf(t)>-
1)}checkLocalExport(e){-1===this.scopeStack[0].lexical.indexOf(e.name)&&-
1===this.scopeStack[0].var.indexOf(e.name)&&-
1===this.scopeStack[0].functions.indexOf(e.name)&&this.undefinedExports.set(e.name,e.start)}currentScope(){ret
urn this.scopeStack[this.scopeStack.length-1]}currentVarScope(){for(let e=this.scopeStack.length-1;;e--){const
t=this.scopeStack[e];if(131&t.flags)return t}}currentThisScope(){for(let e=this.scopeStack.length-1;;e--){const
t=this.scopeStack[e];if((131&t.flags||64&t.flags)&&!(4&t.flags))return t}}class ee extends
Q{constructor(...e){super(...e),this.types=[],this.enums=[],this.constEnums=[],this.classes=[],this.exportOnlyBindin

```

```

gs=[] }class te extends Z{createScope(e){return new ee(e)}declareName(e,t,r){const
n=this.currentScope();if(1024&t)return this.maybeExportDefined(n,e),void
n.exportOnlyBindings.push(e);super.declareName(...arguments),2&t&&(1&t||(this.checkRedeclarationInScope(n,e,t
,r),this.maybeExportDefined(n,e)),n.types.push(e)),256&t&&n.enums.push(e),512&t&&n.constEnums.push(e),128
&t&&n.classes.push(e)}isRedeclaredInScope(e,t,r){if(e.enums.indexOf(t)>-
1){if(256&r){return!(512&r)!==e.constEnums.indexOf(t)>-1}return!0}return 128&r&&e.classes.indexOf(t)>-
1?e.lexical.indexOf(t)>-1&&!(1&r):!(2&r&&e.types.indexOf(t)>-
1)||super.isRedeclaredInScope(...arguments)}checkLocalExport(e){-
1===this.scopeStack[0].types.indexOf(e.name)&&-
1===this.scopeStack[0].exportOnlyBindings.indexOf(e.name)&&super.checkLocalExport(e)} }class
re{constructor(){this.stacks=[]}enter(e){this.stacks.push(e)}exit(){this.stacks.pop()}currentFlags(){return
this.stacks[this.stacks.length-1]}get hasAwait(){return(2&this.currentFlags())>0}get
hasYield(){return(1&this.currentFlags())>0}get hasReturn(){return(4&this.currentFlags())>0}get
hasIn(){return(8&this.currentFlags())>0} }function ne(e,t){return(e?2:0)|(t?1:0)}function ie(e){if(null===e)throw new
Error(`Unexpected ${e} value.`);return e}function se(e){if(!e)throw new Error(`Assert fail`)}const
ae=Object.freeze({ClassMethodHasDeclare:`Class methods cannot have the 'declare'
modifier`,ClassMethodHasReadOnly:`Class methods cannot have the 'readonly'
modifier`,ConstructorHasTypeParameters:`Type parameters cannot appear on a constructor
declaration`,DeclareClassFieldHasInitializer:`Initializers are not allowed in ambient
contexts`,DeclareFunctionHasImplementation:`An implementation cannot be declared in ambient
contexts`,DuplicateModifier:`Duplicate modifier: '%0'`,EmptyHeritageClauseType:``%0' list cannot be
empty`,EmptyTypeArguments:`Type argument list cannot be empty`,EmptyTypeParameters:`Type
parameter list cannot be empty`,IndexSignatureHasAbstract:`Index signatures cannot have the 'abstract'
modifier`,IndexSignatureHasAccessibility:`Index signatures cannot have an accessibility modifier
('%0')`,IndexSignatureHasStatic:`Index signatures cannot have the 'static'
modifier`,IndexSignatureHasDeclare:`Index signatures cannot have the 'declare'
modifier`,InvalidTupleMemberLabel:`Tuple members must be labeled with a simple
identifier`,MixedLabeledAndUnlabeledElements:`Tuple members must all have names or all not have
names`,OptionalTypeBeforeRequired:`A required element cannot follow an optional
element`,PatternIsOptional:`A binding pattern parameter cannot be optional in an implementation
signature`,PrivateElementHasAbstract:`Private elements cannot have the 'abstract'
modifier`,PrivateElementHasAccessibility:`Private elements cannot have an accessibility modifier
('%0')`,TypeAnnotationAfterAssign:`Type annotations must come before default assignments, e.g. instead of
`age = 25: number` use `age: number = 25``,UnexpectedParameterModifier:`A parameter property is only
allowed in a constructor implementation`,UnexpectedReadOnly:``readonly' type modifier is only permitted on
array and tuple literal types`,UnexpectedTypeAnnotation:`Did not expect a type annotation
here`,UnexpectedTypeCastInParameter:`Unexpected type cast in parameter
position`,UnsupportedImportTypeArgument:`Argument in a type import must be a string
literal`,UnsupportedParameterPropertyKind:`A parameter property may not be declared using a binding
pattern`,UnsupportedSignatureParameterKind:`Name in a signature must be an Identifier, ObjectPattern or
ArrayPattern, instead got %0`});o.placeholder=new n(`%`),{startsExpr:!0});function oe(e,t){return
e.some(e=>Array.isArray(e)?e[0]===t:e===t)}function le(e,t,r){const
n=e.find(e=>Array.isArray(e)?e[0]===t:e===t);return n&&Array.isArray(n)?n[1][r]:null}const
ce=[`minimal`,`smart`,`fsharp`],pe=[`hash`,`bar`];const ue={estree:e=>class extends
e{estreeParseRegExpLiteral({pattern:e,flags:t}){let r=null;try{r=new RegExp(e,t)}catch(e){}const
n=this.estreeParseLiteral(r);return n.regex={pattern:e,flags:t},n}estreeParseBigIntLiteral(e){const
t=`undefined`!=typeof BigInt?BigInt(e):null,r=this.estreeParseLiteral(t);return
r.bigint=String(r.value|e),r}estreeParseDecimalLiteral(e){const t=this.estreeParseLiteral(null);return

```



```

t.decimal=String(t.value|e),t}estreeParseLiteral(e){return
this.parseLiteral(e,\\\\"Literal\\\\")}directiveToStmnt(e){const
t=e.value,r=this.startNodeAt(e.start,e.loc.start),n=this.startNodeAt(t.start,t.loc.start);return
n.value=t.value,n.raw=t.extra.raw,r.expression=this.finishNodeAt(n,\\\\"Literal\\\\"),t.end,t.loc.end),r.directive=t.extra.
raw.slice(1,-
1),this.finishNodeAt(r,\\\\"ExpressionStatement\\\\"),e.end,e.loc.end)}initFunction(e,t){super.initFunction(e,t),e.expres
sion=!1}checkDeclaration(e){T(e)?this.checkDeclaration(e.value):super.checkDeclaration(e)}getObjectOrClassMet
hodParams(e){return
e.value.params}checkLVal(e,t=64,r,n,i){switch(e.type){case\\\\"ObjectPattern\\\\":e.properties.forEach(e=>{this chec
kLVal(\\\\"Property\\\\"===e.type?e.value:e,t,r,\\\\"object destructuring
pattern\\\\"),i});break;default:super.checkLVal(e,t,r,n,i)}checkProto(e,t,r,n){e.method||super.checkProto(e,t,r,n)}isV
alidDirective(e){var
t;return\\\\"ExpressionStatement\\\\"===e.type&&\\\\"Literal\\\\"===e.expression.type&&\\\\"string\\\\"===typeof
e.expression.value&&!(null==(t=e.expression.extra)?void 0:t.parenthesized)}stmtToDirective(e){const
t=super.stmtToDirective(e),r=e.expression.value;return
t.value.value=r,t}parseBlockBody(e,t,r,n){super.parseBlockBody(e,t,r,n);const
i=e.directives.map(e=>this.directiveToStmnt(e));e.body=i.concat(e.body),delete
e.directives}pushClassMethod(e,t,r,n,i,s){this.parseMethod(t,r,n,i,s,\\\\"ClassMethod\\\\"),!0,t.typeParameters&&(t.va
lue.typeParameters=t.typeParameters,delete
t.typeParameters),e.body.push(t)}parseExprAtom(e){switch(this.state.type){case o.num:case o.string:return
this.estreeParseLiteral(this.state.value);case o.regex:return this.estreeParseRegExpLiteral(this.state.value);case
o.bigint:return this.estreeParseBigIntLiteral(this.state.value);case o.decimal:return
this.estreeParseDecimalLiteral(this.state.value);case o._null:return this.estreeParseLiteral(null);case o._true:return
this.estreeParseLiteral(!0);case o._false:return this.estreeParseLiteral(!1);default:return
super.parseExprAtom(e)}parseLiteral(e,t,r,n){const i=super.parseLiteral(e,t,r,n);return i.raw=i.extra.raw,delete
i.extra,i}parseFunctionBody(e,t,r=!1){super.parseFunctionBody(e,t,r),e.expression=\\\\"BlockStatement\\\\"!==e.body
.type}parseMethod(e,t,r,n,i,s,a=!1){let o=this.startNode();return
o.kind=e.kind,o=super.parseMethod(o,t,r,n,i,s,a),o.type=\\\\"FunctionExpression\\\\"),delete
o.kind,e.value=o,s=\\\\"ClassMethod\\\\"===s?\\\\"MethodDefinition\\\\":s,this.finishNode(e,s)}parseObjectMethod(e,t,
r,n,i){const s=super.parseObjectMethod(e,t,r,n,i);return
s&&(s.type=\\\\"Property\\\\"),\\\\"method\\\\"===s.kind&&(s.kind=\\\\"init\\\\"),s.shorthand=!1,s}parseObjectProperty(e
,t,r,n,i){const s=super.parseObjectProperty(e,t,r,n,i);return
s&&(s.kind=\\\\"init\\\\"),s.type=\\\\"Property\\\\"),s}toAssignable(e){return
T(e)?(this.toAssignable(e.value),e):super.toAssignable(e)}toAssignableObjectExpressionProp(e,t){if(\\\\"get\\\\"===e
.kind||\\\\"set\\\\"===e.kind)throw this.raise(e.key.start,y.PatternHasAccessor);if(e.method)throw
this.raise(e.key.start,y.PatternHasMethod);super.toAssignableObjectExpressionProp(e,t)}finishCallExpression(e,t){r
eturn
super.finishCallExpression(e,t),\\\\"Import\\\\"===e.callee.type&&(e.type=\\\\"ImportExpression\\\\"),e.source=e.argum
ents[0],delete e.arguments,delete
e.callee,e}toReferencedArguments(e){\\\\"ImportExpression\\\\"!==e.type&&super.toReferencedArguments(e)}pars
eExport(e){switch(super.parseExport(e),e.type){case\\\\"ExportAllDeclaration\\\\":e.exported=null;break;case\\\\"Exp
ortNamedDeclaration\\\\":1===e.specifiers.length&&\\\\"ExportNamespaceSpecifier\\\\"===e.specifiers[0].type&&(e.
type=\\\\"ExportAllDeclaration\\\\"),e.exported=e.specifiers[0].exported,delete e.specifiers)}return
e}parseSubscript(e,t,r,n,i){const
s=super.parseSubscript(e,t,r,n,i);if(i.optionalChainMember){if(\\\\"OptionalMemberExpression\\\\"!==s.type&&\\\\"O
ptionalCallExpression\\\\"!==s.type||s.type=s.type.substring(8)),i.stop){const e=this.startNodeAtNode(s);return
e.expression=s,this.finishNode(e,\\\\"ChainExpression\\\\")}else\\\\"MemberExpression\\\\"!==s.type&&\\\\"CallExpre
ssion\\\\"!==s.type||s.optional=!1);return s}}jsx:e=>class extends e{jsxReadToken(){let

```

```

e=\\\\"\\",t=this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,G.UnterminatedJsxCContent);const r=this.input.charCodeAtAt(this.state.pos);switch(r){case
60:case 123:return
this.state.pos===this.state.start?60===r&&this.state.exprAllowed?(++this.state.pos,this.finishToken(o.jsxTagStart))
:super.getTokenFromCode(r):(e+=this.input.slice(t,this.state.pos),this.finishToken(o.jsxText,e));case
38:e+=this.input.slice(t,this.state.pos),e+=this.jsxReadEntity(),t=this.state.pos;break;default:p(r)?(e+=this.input.slice
(t,this.state.pos),e+=this.jsxReadNewLine(!0),t=this.state.pos):++this.state.pos}}jsxReadNewLine(e){const
t=this.input.charCodeAtAt(this.state.pos);let
r;return++this.state.pos,13===t&&10===this.input.charCodeAtAt(this.state.pos)?(++this.state.pos,r=e?\\\\"\\n\\":\\\\"\\n\\")
:r=String.fromCharCode(t),++this.state.curLine,this.state.lineStart=this.state.pos,r}jsxReadString(e){let
t=\\\\"\\",r=++this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,y.UnterminatedString);const
n=this.input.charCodeAtAt(this.state.pos);if(n===e)break;38===n?(t+=this.input.slice(r,this.state.pos),t+=this.jsxRead
Entity(),r=this.state.pos):p(n)?(t+=this.input.slice(r,this.state.pos),t+=this.jsxReadNewLine(!1),r=this.state.pos):++th
is.state.pos}return t+=this.input.slice(r,this.state.pos++),this.finishToken(o.string,t)}jsxReadEntity(){let
e,t=\\\\"\\",r=0,n=this.input[this.state.pos];const
i=++this.state.pos;for(;this.state.pos<this.length&&r++<10;){if(n=this.input[this.state.pos++],\\\\";\\\\"===n){\\\\"#\\\\"
===t[0]?\\\\"x\\\\"===t[1]?(t=t.substr(2),J.test(t)&&(e=String.fromCharCode(parseInt(t,16))):(t=t.substr(1),H.test(t)
&&(e=String.fromCharCode(parseInt(t,10))):e=X[t];break}t+=n}return
e|(this.state.pos=i,\\\\"&\\\\"))}jsxReadWord(){let e;const
t=this.state.pos;do{e=this.input.charCodeAtAt(++this.state.pos)}while(!e||45===e);return
this.finishToken(o.jsxName,this.input.slice(t,this.state.pos))}jsxParseIdentifier(){const e=this.startNode();return
this.match(o.jsxName)?e.name=this.state.value:this.state.type.keyword?e.name=this.state.type.keyword:this.unexpe
cted(),this.next(),this.finishNode(e,\\\\"JSXIdentifier\\\\"))}jsxParseNamespacedName(){const
e=this.state.start,t=this.state.startLoc,r=this.jsxParseIdentifier();if(!this.eat(o.colon))return r;const
n=this.startNodeAt(e,t);return
n.namespace=r,n.name=this.jsxParseIdentifier(),this.finishNode(n,\\\\"JSXNamespacedName\\\\"))}jsxParseElementN
ame(){const e=this.state.start,t=this.state.startLoc;let
r=this.jsxParseNamespacedName();if(\\\\"JSXNamespacedName\\\\"===r.type)return r;for(;this.eat(o.dot);){const
n=this.startNodeAt(e,t);n.object=r,n.property=this.jsxParseIdentifier(),r=this.finishNode(n,\\\\"JSXMemberExpressio
n\\\\"))return r}jsxParseAttributeValue(){let e;switch(this.state.type){case o.braceL:return
e=this.startNode(),this.next(),e=this.jsxParseExpressionContainer(e,\\\\"JSXEmptyExpression\\\\"===e.expression.ty
pe&&this.raise(e.start,G.AttributeIsEmpty),e;case o.jsxTagStart:case o.string:return
this.parseExprAtom();default:throw
this.raise(this.state.start,G.UnsupportedJsxValue)}}jsxParseEmptyExpression(){const
e=this.startNodeAt(this.state.lastTokEnd,this.state.lastTokEndLoc);return
this.finishNodeAt(e,\\\\"JSXEmptyExpression\\\\"),this.state.start,this.state.startLoc)}jsxParseSpreadChild(e){return
this.next(),e.expression=this.parseExpression(),this.expect(o.braceR),this.finishNode(e,\\\\"JSXSpreadChild\\\\"))}jsxP
arseExpressionContainer(e){return
this.match(o.braceR)?e.expression=this.jsxParseEmptyExpression():e.expression=this.parseExpression(),this.expect(
o.braceR),this.finishNode(e,\\\\"JSXExpressionContainer\\\\"))}jsxParseAttribute(){const e=this.startNode();return
this.eat(o.braceL)?(this.expect(o.ellipsis),e.argument=this.parseMaybeAssignAllowIn(),this.expect(o.braceR),this.fi
nishNode(e,\\\\"JSXSpreadAttribute\\\\")):(e.name=this.jsxParseNamespacedName(),e.value=this.eat(o.eq)?this.jsxPa
rseAttributeValue():null,this.finishNode(e,\\\\"JSXAttribute\\\\"))}jsxParseOpeningElementAt(e,t){const
r=this.startNodeAt(e,t);return
this.match(o.jsxTagEnd)?(this.expect(o.jsxTagEnd),this.finishNode(r,\\\\"JSXOpeningFragment\\\\")):(r.name=this.js
xParseElementName(),this.jsxParseOpeningElementAfterName(r))}jsxParseOpeningElementAfterName(e){const
t=[];for(;!this.match(o.slash)&&!this.match(o.jsxTagEnd);)t.push(this.jsxParseAttribute());return

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e.attributes=t,e.selfClosing=this.eat(o.slash),this.expect(o.jsxTagEnd),this.finishNode(e,\\\\"JSXOpeningElement\\\\"))
}jsxParseClosingElementAt(e,t){const r=this.startNodeAt(e,t);return
this.match(o.jsxTagEnd)?(this.expect(o.jsxTagEnd),this.finishNode(r,\\\\"JSXClosingFragment\\\\")):r.name=this.jsx
ParseElementName(),this.expect(o.jsxTagEnd),this.finishNode(r,\\\\"JSXClosingElement\\\\"))}jsxParseElementAt(e,
t){const r=this.startNodeAt(e,t),n=[],i=this.jsxParseOpeningElementAt(e,t);let
s=null;if(!i.selfClosing){e:for(;;)switch(this.state.type){case
o.jsxTagStart;if(e=this.state.start,t=this.state.startLoc,this.next(),this.eat(o.slash)){s=this.jsxParseClosingElementAt(
e,t);break e}n.push(this.jsxParseElementAt(e,t));break;case o.jsxText:n.push(this.parseExprAtom());break;case
o.braceL:{const
e=this.startNode();this.next(),this.match(o.ellipsis)?n.push(this.jsxParseSpreadChild(e)):n.push(this.jsxParseExpress
ionContainer(e));break }default:throw
this.unexpected()}z(i)&&!z(s)?this.raise(s.start,G.MissingClosingTagFragment):!z(i)&&z(s)?this.raise(s.start,G.Mis
singClosingTagElement,$(i.name)):z(i)||z(s)||$(s.name)!==$ (i.name)&&this.raise(s.start,G.MissingClosingTagElem
ent,$(i.name))}if(z(i)?(r.openingFragment=i,r.closingFragment=s):(r.openingElement=i,r.closingElement=s),r.childr
en=n,this.isRelational(\\\\"<\\\\"))throw this.raise(this.state.start,G.UnwrappedAdjacentJSXElements);return
z(i)?this.finishNode(r,\\\\"JSXFragment\\\\"):this.finishNode(r,\\\\"JSXElement\\\\"))}jsxParseElement(){const
e=this.state.start,t=this.state.startLoc;return this.next(),this.jsxParseElementAt(e,t)}parseExprAtom(e){return
this.match(o.jsxText)?this.parseLiteral(this.state.value,\\\\"JSXText\\\\"):this.match(o.jsxTagStart)?this.jsxParseEleme
nt():this.isRelational(\\\\"<\\\\")&&33!==(this.input.charCodeAtAt(this.state.pos)?(this.finishToken(o.jsxTagStart),this.js
xParseElement()):super.parseExprAtom(e))}getTokenFromCode(e){if(this.state.inPropertyName)return
super.getTokenFromCode(e);const t=this.curContext();if(t===g.j_expr)return
this.jsxReadToken();if(t===g.j_oTag||t===g.j_cTag){if(O(e))return
this.jsxReadWord();if(62===e)return++this.state.pos,this.finishToken(o.jsxTagEnd);if((34===e||39===e)&&t===g.
j_oTag)return this.jsxReadString(e)}return
60===e&&this.state.exprAllowed&&33!==(this.input.charCodeAtAt(this.state.pos+1)?(++this.state.pos,this.finishToke
n(o.jsxTagStart)):super.getTokenFromCode(e))}updateContext(e){if(this.match(o.braceL)){const
t=this.curContext();t===g.j_oTag?this.state.context.push(g.braceExpression):t===g.j_expr?this.state.context.push(g.
templateQuasi):super.updateContext(e),this.state.exprAllowed=!0}else{if(!this.match(o.slash)||e!==o.jsxTagStart)ret
urn super.updateContext(e);this.state.context.length-
=2,this.state.context.push(g.j_cTag),this.state.exprAllowed=!1}}},flow:e=>class extends
e{constructor(e,t){super(e,t),this.flowPragma=void 0,this.flowPragma=void 0}shouldParseTypes(){return
this.getPluginOption(\\\\"flow\\\\"",\\\\"all\\\\"")||\\\\"flow\\\\""===this.flowPragma}shouldParseEnums(){return!!this.getPlu
ginOption(\\\\"flow\\\\"",\\\\"enums\\\\"")}finishToken(e,t){return
e!==o.string&&e!==o.semi&&e!==o.interpreterDirective&&void
0===this.flowPragma&&(this.flowPragma=null),super.finishToken(e,t)}addComment(e){if(void
0===this.flowPragma){const
t=W.exec(e.value);if(t)if(\\\\"flow\\\\""===t[1])this.flowPragma=\\\\"flow\\\\"";else{if(\\\\"noflow\\\\""!==t[1])throw new
Error(\\\\"Unexpected flow pragma\\\\"");this.flowPragma=\\\\"noflow\\\\""}else;}return
super.addComment(e)}flowParseTypeInitialiser(e){const
t=this.state.inType;this.state.inType=!0,this.expect(e||o.colon);const r=this.flowParseType();return
this.state.inType=t,r}flowParsePredicate(){const
e=this.startNode(),t=this.state.startLoc,r=this.state.start;this.expect(o.modulo);const n=this.state.startLoc;return
this.expectContextual(\\\\"checks\\\\""),t.line===n.line&&t.column===n.column-
1||this.raise(r,V.UnexpectedSpaceBetweenModuloChecks),this.eat(o.parenL)?(e.value=this.parseExpression(),this.e
xpect(o.parenR),this.finishNode(e,\\\\"DeclaredPredicate\\\\")):this.finishNode(e,\\\\"InferredPredicate\\\\"))}flowParseT
ypeAndPredicateInitialiser(){const e=this.state.inType;this.state.inType=!0,this.expect(o.colon);let
t=null,r=null;return
this.match(o.modulo)?(this.state.inType=e,r=this.flowParsePredicate()):t=this.flowParseType(),this.state.inType=e,

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this.match(o.modulo)&&(r=this.flowParsePredicate()),[t,r]}flowParseDeclareClass(e){return
this.next(),this.flowParseInterfaceish(e,!0),this.finishNode(e,\\\\"DeclareClass\\\\")}flowParseDeclareFunction(e){this
.next();const
t=e.id=this.parseIdentifier(),r=this.startNode(),n=this.startNode();this.isRelational(\\\\"<\\\\")?r.typeParameters=this.fl
owParseTypeParameterDeclaration():r.typeParameters=null,this.expect(o.parenL);const
i=this.flowParseFunctionTypeParams();return
r.params=i.params,r.rest=i.rest,this.expect(o.parenR),[r.returnType,e.predicate]=this.flowParseTypeAndPredicateIni
tialiser(),n.typeAnnotation=this.finishNode(r,\\\\"FunctionTypeAnnotation\\\\"),t.typeAnnotation=this.finishNode(n,\\\\"
TypeAnnotation\\\\"),this.resetEndLocation(t),this.semicolon(),this.finishNode(e,\\\\"DeclareFunction\\\\")}flowParse
Declare(e,t){if(this.match(o._class))return this.flowParseDeclareClass(e);if(this.match(o._function))return
this.flowParseDeclareFunction(e);if(this.match(o._var))return
this.flowParseDeclareVariable(e);if(this.eatContextual(\\\\"module\\\\"))return
this.match(o.dot)?this.flowParseDeclareModuleExports(e):(t&&this.raise(this.state.lastTokStart,V.NestedDeclareM
odule),this.flowParseDeclareModule(e));if(this.isContextual(\\\\"type\\\\"))return
this.flowParseDeclareTypeAlias(e);if(this.isContextual(\\\\"opaque\\\\"))return
this.flowParseDeclareOpaqueType(e);if(this.isContextual(\\\\"interface\\\\"))return
this.flowParseDeclareInterface(e);if(this.match(o._export))return this.flowParseDeclareExportDeclaration(e,t);throw
this.unexpected()}flowParseDeclareVariable(e){return
this.next(),e.id=this.flowParseTypeAnnotatableIdentifier(!0),this.scope.declareName(e.id.name,5,e.id.start),this.sem
icolon(),this.finishNode(e,\\\\"DeclareVariable\\\\")}flowParseDeclareModule(e){this.scope.enter(0),this.match(o.stri
ng)?e.id=this.parseExprAtom():e.id=this.parseIdentifier();const
t=e.body=this.startNode(),r=t.body=[];for(this.expect(o.braceL);!this.match(o.braceR);){let
e=this.startNode();this.match(o._import)?(this.next(),this.isContextual(\\\\"type\\\\"))||this.match(o._typeof)||this.raise(t
his.state.lastTokStart,V.InvalidNonTypeImportInDeclareModule),this.parseImport(e):(this.expectContextual(\\\\"de
clare\\\\"),V.UnsupportedStatementInDeclareModule),e=this.flowParseDeclare(e,!0),r.push(e)}this.scope.exit(),this.e
xpect(o.braceR),this.finishNode(t,\\\\"BlockStatement\\\\");let n=null,i=!1;return
r.forEach(e=>{!function(e){return\\\\"DeclareExportAllDeclaration\\\\"===e.type||\\\\"DeclareExportDeclaration\\\\"===
=e.type&&(!e.declaration||\\\\"TypeAlias\\\\"!==e.declaration.type&&\\\\"InterfaceDeclaration\\\\"!==e.declaration.type
)}(e)?\\\\"DeclareModuleExports\\\\"===e.type&&(i&&this.raise(e.start,V.DuplicateDeclareModuleExports),\\\\"ES\\\\"
"===n&&this.raise(e.start,V.AmbiguousDeclareModuleKind),n=\\\\"CommonJS\\\\"),i=!0):(\\\\"CommonJS\\\\"===n&
&this.raise(e.start,V.AmbiguousDeclareModuleKind),n=\\\\"ES\\\\")),e.kind=n||\\\\"CommonJS\\\\"},this.finishNode(e,\\
\\\\"DeclareModule\\\\")}flowParseDeclareExportDeclaration(e,t){if(this.expect(o._export),this.eat(o._default))return
this.match(o._function)||this.match(o._class)?e.declaration=this.flowParseDeclare(this.startNode()):e.declaration=th
is.flowParseType(),this.semicolon(),e.default=!0,this.finishNode(e,\\\\"DeclareExportDeclaration\\\\"");if(this.match(o
._const)||this.isLet()||this.isContextual(\\\\"type\\\\"))||this.isContextual(\\\\"interface\\\\"))&&!t){const
e=this.state.value,t=Y[e];throw
this.raise(this.state.start,V.UnsupportedDeclareExportKind,e,t)}if(this.match(o._var)||this.match(o._function)||this.m
atch(o._class)||this.isContextual(\\\\"opaque\\\\"))return
e.declaration=this.flowParseDeclare(this.startNode()),e.default=!1,this.finishNode(e,\\\\"DeclareExportDeclaration\\\\"
");if(this.match(o.star)||this.match(o.braceL)||this.isContextual(\\\\"interface\\\\"))||this.isContextual(\\\\"type\\\\"))||this.is
Contextual(\\\\"opaque\\\\"))return\\\\"ExportNamedDeclaration\\\\"===(e=this.parseExport(e)).type&&(e.type=\\\\"Exp
ortDeclaration\\\\"),e.default=!1,delete e.exportKind,e.type=\\\\"Declare\\\\"+e.type,e;throw
this.unexpected()}flowParseDeclareModuleExports(e){return
this.next(),this.expectContextual(\\\\"exports\\\\"),e.typeAnnotation=this.flowParseTypeAnnotation(),this.semicolon(),
this.finishNode(e,\\\\"DeclareModuleExports\\\\")}flowParseDeclareTypeAlias(e){return
this.next(),this.flowParseTypeAlias(e),e.type=\\\\"DeclareTypeAlias\\\\"},e}flowParseDeclareOpaqueType(e){return
this.next(),this.flowParseOpaqueType(e,!0),e.type=\\\\"DeclareOpaqueType\\\\"},e}flowParseDeclareInterface(e){retur
n

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this.next(),this.flowParseInterfaceish(e),this.finishNode(e,\\\\"DeclareInterface\\\\"))flowParseInterfaceish(e,t=!1){if
e.id=this.flowParseRestrictedIdentifier(!t,!0),this.scope.declareName(e.id.name,t?17:9,e.id.start),this.isRelational(\\\\"
"<\\\\""?e.typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.extends=[],e.impleme
nts=[],e.mixins=[],this.eat(o._extends))do{e.extends.push(this.flowParseInterfaceExtends())}while(!t&&this.eat(o.c
omma));if(this.isContextual(\\\\"mixins\\\\")){this.next();do{e.mixins.push(this.flowParseInterfaceExtends())}while(t
his.eat(o.comma));if(this.isContextual(\\\\"implements\\\\")){this.next();do{e.implements.push(this.flowParseInterfac
eExtends())}while(this.eat(o.comma))}e.body=this.flowParseObjectType({allowStatic:t,allowExact:!1,allowSpread:
!1,allowProto:t,allowInexact:!1})}flowParseInterfaceExtends(){const e=this.startNode();return
e.id=this.flowParseQualifiedTypeIdentifier(),this.isRelational(\\\\"<\\\\""?e.typeParameters=this.flowParseTypeParam
eterInstantiation():e.typeParameters=null,this.finishNode(e,\\\\"InterfaceExtends\\\\"))flowParseInterface(e){return
this.flowParseInterfaceish(e),this.finishNode(e,\\\\"InterfaceDeclaration\\\\"))checkNotUnderscore(e){\\\\"_\\\\"===e&
&this.raise(this.state.start,V.UnexpectedReservedUnderscore)}checkReservedType(e,t,r){U.has(e)&&this.raise(t,r?
V.AssignReservedType:V.UnexpectedReservedType,e)}flowParseRestrictedIdentifier(e,t){return
this.checkReservedType(this.state.value,this.state.start,t),this.parseIdentifier(e)}flowParseTypeAlias(e){return
e.id=this.flowParseRestrictedIdentifier(!1,!0),this.scope.declareName(e.id.name,9,e.id.start),this.isRelational(\\\\"<\\\\"
")?e.typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.right=this.flowParseTypeI
nitialiser(o.eq),this.semicolon(),this.finishNode(e,\\\\"TypeAlias\\\\"))flowParseOpaqueType(e,t){return
this.expectContextual(\\\\"type\\\\"),e.id=this.flowParseRestrictedIdentifier(!0,!0),this.scope.declareName(e.id.name,9
,e.id.start),this.isRelational(\\\\"<\\\\""?e.typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters
=null,e.supertype=null,this.match(o.colon)&&(e.supertype=this.flowParseTypeInitialiser(o.colon)),e.impltype=null,
t|(e.impltype=this.flowParseTypeInitialiser(o.eq)),this.semicolon(),this.finishNode(e,\\\\"OpaqueType\\\\"))}flowParse
TypeParameter(e=!1){const
t=this.state.start,r=this.startNode(),n=this.flowParseVariance(),i=this.flowParseTypeAnnotatableIdentifier();return
r.name=i.name,r.variance=n,r.bound=i.typeAnnotation,this.match(o.eq)?(this.eat(o.eq),r.default=this.flowParseType
()):e&&this.raise(t,V.MissingTypeParamDefault),this.finishNode(r,\\\\"TypeParameter\\\\"))}flowParseTypeParameter
Declaration(){const
e=this.state.inType,t=this.startNode();t.params=[],this.state.inType=!0,this.isRelational(\\\\"<\\\\")||this.match(o.jsxTa
gStart)?this.next():this.unexpected();let r=!1;do{const
e=this.flowParseTypeParameter(r);t.params.push(e),e.default&&(r=!0),this.isRelational(\\\\">\\\\")||this.expect(o.com
ma)}while(!this.isRelational(\\\\">\\\\"));return
this.expectRelational(\\\\">\\\\"),this.state.inType=e,this.finishNode(t,\\\\"TypeParameterDeclaration\\\\"))}flowParseTy
peParameterInstantiation(){const
e=this.startNode(),t=this.state.inType;e.params=[],this.state.inType=!0,this.expectRelational(\\\\"<\\\\"");const
r=this.state.noAnonFunctionType;for(this.state.noAnonFunctionType=!1;!this.isRelational(\\\\">\\\\"");)e.params.push(
this.flowParseType()),this.isRelational(\\\\">\\\\")||this.expect(o.comma);return
this.state.noAnonFunctionType=r,this.expectRelational(\\\\">\\\\"),this.state.inType=t,this.finishNode(e,\\\\"TypePara
meterInstantiation\\\\"))}flowParseTypeParameterInstantiationCallOrNew(){const
e=this.startNode(),t=this.state.inType;for(e.params=[],this.state.inType=!0,this.expectRelational(\\\\"<\\\\"");!this.isRel
ational(\\\\">\\\\"");)e.params.push(this.flowParseTypeOrImplicitInstantiation()),this.isRelational(\\\\">\\\\")||this.expect(
o.comma);return
this.expectRelational(\\\\">\\\\"),this.state.inType=t,this.finishNode(e,\\\\"TypeParameterInstantiation\\\\"))}flowParseInt
erfaceType(){const
e=this.startNode();if(this.expectContextual(\\\\"interface\\\\"),e.extends=[],this.eat(o._extends))do{e.extends.push(this
.flowParseInterfaceExtends())}while(this.eat(o.comma));return
e.body=this.flowParseObjectType({allowStatic:!1,allowExact:!1,allowSpread:!1,allowProto:!1,allowInexact:!1}),thi
s.finishNode(e,\\\\"InterfaceTypeAnnotation\\\\"))}flowParseObjectPropertyKey(){return
this.match(o.num)||this.match(o.string)?this.parseExprAtom():this.parseIdentifier(!0)}flowParseObjectTypeIndexer(
e,t,r){return

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e.static=t,this.lookahead().type===o.colon?(e.id=this.flowParseObjectPropertyKey(),e.key=this.flowParseTypeInitialiser():(e.id=null,e.key=this.flowParseType()),this.expect(o.bracketR),e.value=this.flowParseTypeInitialiser(),e.variance=r,this.finishNode(e,\\\\"ObjectTypeIndexer\\\\"))}flowParseObjectTypeInternalSlot(e,t){return
e.static=t,e.id=this.flowParseObjectPropertyKey(),this.expect(o.bracketR),this.expect(o.bracketR),this.isRelational(\\\\"<\\\\")||this.match(o.parenL)?(e.method=!0,e.optional=!1,e.value=this.flowParseObjectTypeMethodish(this.startNodeAt(e.start,e.loc.start))):(e.method=!1,this.eat(o.question)&&(e.optional=!0),e.value=this.flowParseTypeInitialiser()),this.finishNode(e,\\\\"ObjectTypeInternalSlot\\\\"))}flowParseObjectTypeMethodish(e){for(e.params=[],e.rest=null,e.typeParameters=null,this.isRelational(\\\\"<\\\\"))&&(e.typeParameters=this.flowParseTypeParameterDeclaration()),this.expect(o.parenL);!this.match(o.parenR)&&!this.match(o.ellipsis);e.params.push(this.flowParseFunctionTypeParameter()),this.match(o.parenR)||this.expect(o.comma);return
this.eat(o.ellipsis)&&(e.rest=this.flowParseFunctionTypeParameter()),this.expect(o.parenR),e.returnType=this.flowParseTypeInitialiser(),this.finishNode(e,\\\\"FunctionTypeAnnotation\\\\"))}flowParseObjectTypeCallProperty(e,t){const r=this.startNode();return
e.static=t,e.value=this.flowParseObjectTypeMethodish(r),this.finishNode(e,\\\\"ObjectTypeCallProperty\\\\"))}flowParseObjectType({allowStatic:e,allowExact:t,allowSpread:r,allowProto:n,allowInexact:i}){const s=this.state.inType;this.state.inType=!0;const a=this.startNode();let l,c;a.callProperties=[],a.properties=[],a.indexers=[],a.internalSlots=[];let p=!1;for(t&&this.match(o.braceBarL)?(this.expect(o.braceBarL),l=o.braceBarR,c=!0):(this.expect(o.braceL),l=o.braceR,c=!1),a.exact=c;!this.match(l);){let t=!1,s=null,l=null;const u=this.startNode();if(n&&this.isContextual(\\\\"proto\\\\")){const t=this.lookahead();t.type!==o.colon&&t.type!==o.question&&(this.next(),s=this.state.start,e=!1)}if(e&&this.isContextual(\\\\"static\\\\")){const e=this.lookahead();e.type!==o.colon&&e.type!==o.question&&(this.next(),t=!0)}const d=this.flowParseVariance();if(this.eat(o.bracketL))null!=s&&this.unexpected(s),this.eat(o.bracketL)?(d&&this.unexpected(d.start),a.internalSlots.push(this.flowParseObjectTypeInternalSlot(u,t)):a.indexers.push(this.flowParseObjectTypeIndexer(u,t,d));else
if(this.match(o.parenL)||this.isRelational(\\\\"<\\\\"))null!=s&&this.unexpected(s),d&&this.unexpected(d.start),a.callProperties.push(this.flowParseObjectTypeCallProperty(u,t));else {let e=\\\\"init\\\\";if(this.isContextual(\\\\"get\\\\"))||this.isContextual(\\\\"set\\\\")){const t=this.lookahead();t.type!==o.name&&t.type!==o.string&&t.type!==o.num||(e=this.state.value,this.next())}const n=this.flowParseObjectTypeProperty(u,t,s,d,e,r,null!=i?i:c);null===n?(p=!0,l=this.state.lastTokStart):a.properties.push(n)}this.flowObjectTypeSemicolon(),!||this.match(o.braceR)||this.match(o.braceBarR)||this.raise(l,V.UnexpectedExplicitInexactInObject)}this.expect(l),r&&(a.inexact=p);const u=this.finishNode(a,\\\\"ObjectTypeAnnotation\\\\");return
this.state.inType=s,u}flowParseObjectTypeProperty(e,t,r,n,i,s,a){if(this.eat(o.ellipsis)){return
this.match(o.comma)||this.match(o.semi)||this.match(o.braceR)||this.match(o.braceBarR)?(s?a||this.raise(this.state.lastTokStart,V.InexactInsideExact):this.raise(this.state.lastTokStart,V.InexactInsideNonObject),n&&this.raise(n.start,V.InexactVariance),null):(s||this.raise(this.state.lastTokStart,V.UnexpectedSpreadType),null!=r&&this.unexpected(r),n&&this.raise(n.start,V.SpreadVariance),e.argument=this.flowParseType(),this.finishNode(e,\\\\"ObjectTypeSpreadProperty\\\\"))}{e.key=this.flowParseObjectPropertyKey(),e.static=t,e.proto=null!=r,e.kind=i;let s=!1;return
this.isRelational(\\\\"<\\\\")||this.match(o.parenL)?(e.method=!0,null!=r&&this.unexpected(r),n&&this.unexpected(n.start),e.value=this.flowParseObjectTypeMethodish(this.startNodeAt(e.start,e.loc.start)),\\\\"get\\\\"!=i&&\\\\"set\\\\"!=i||this.flowCheckGetterSetterParams(e):(\\\\"init\\\\"!=i&&this.unexpected(),e.method=!1,this.eat(o.question)&&(s=!0),e.value=this.flowParseTypeInitialiser(),e.variance=n),e.optional=s,this.finishNode(e,\\\\"ObjectTypeProperty\\\\"))}flowCheckGetterSetterParams(e){const t=\\\\"get\\\\"===e.kind?0:1,r=e.start;e.value.params.length+(e.value.rest?1:0)!=t&&(\\\\"get\\\\"===e.kind?this.raise(r,y.BadGetterArity):this.raise(r,y.BadSetterArity)),\\\\"set\\\\"===e.kind&&e.value.rest&&this.raise(r,y.BadSetterRestParameter)}flowObjectTypeSemicolon(){this.eat(o.semi)||this.eat(o.comma)||this.match(o.braceR)||this.match(o.braceBarR)||this.unexpected()}flowParseQualifiedTypeIdentifier(e,t,r){e=e||this.state.start,t=t||this.state.startLoc;let

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n=r||this.flowParseRestrictedIdentifier(!0);for(;this.eat(o.dot);}const
r=this.startNodeAt(e,t);r.qualification=n,r.id=this.flowParseRestrictedIdentifier(!0),n=this.finishNode(r,\\\"Qualified
TypeIdentifier\\\")}return n}flowParseGenericType(e,t,r){const n=this.startNodeAt(e,t);return
n.typeParameters=null,n.id=this.flowParseQualifiedTypeIdentifier(e,t,r),this.isRelational(\\\"<\\\")&&(n.typeParame
ters=this.flowParseTypeParameterInstantiation()),this.finishNode(n,\\\"GenericTypeAnnotation\\\")}flowParseType
ofType(){const e=this.startNode();return
this.expect(o._typeof),e.argument=this.flowParsePrimaryType(),this.finishNode(e,\\\"TypeofTypeAnnotation\\\")}fl
owParseTupleType(){const
e=this.startNode();for(e.types=[],this.expect(o.bracketL);this.state.pos<this.length&&!this.match(o.bracketR)&&(e.t
ypes.push(this.flowParseType()),!this.match(o.bracketR));)this.expect(o.comma);return
this.expect(o.bracketR),this.finishNode(e,\\\"TupleTypeAnnotation\\\")}flowParseFunctionTypeParam(){let
e=null,t=!1,r=null;const n=this.startNode(),i=this.lookahead();return
i.type===o.colon||i.type===o.question?(e=this.parseIdentifier(),this.eat(o.question)&&(t=!0),r=this.flowParseTypeI
nitialiser()):r=this.flowParseType(),n.name=e,n.optional=t,n.typeAnnotation=r,this.finishNode(n,\\\"FunctionTypeP
aram\\\")}reinterpretTypeAsFunctionTypeParam(e){const t=this.startNodeAt(e.start,e.loc.start);return
t.name=null,t.optional=!1,t.typeAnnotation=e,this.finishNode(t,\\\"FunctionTypeParam\\\")}flowParseFunctionType
Params(e=[]){let
t=null;for(;!this.match(o.parenR)&&!this.match(o.ellipsis);)e.push(this.flowParseFunctionTypeParam()),this.match(
o.parenR)||this.expect(o.comma);return
this.eat(o.ellipsis)&&(t=this.flowParseFunctionTypeParam()),{params:e,rest:t}}flowIdentToTypeAnnotation(e,t,r,n)
{switch(n.name){case\\\"any\\\":return
this.finishNode(r,\\\"AnyTypeAnnotation\\\");case\\\"bool\\\":case\\\"boolean\\\":return
this.finishNode(r,\\\"BooleanTypeAnnotation\\\");case\\\"mixed\\\":return
this.finishNode(r,\\\"MixedTypeAnnotation\\\");case\\\"empty\\\":return
this.finishNode(r,\\\"EmptyTypeAnnotation\\\");case\\\"number\\\":return
this.finishNode(r,\\\"NumberTypeAnnotation\\\");case\\\"string\\\":return
this.finishNode(r,\\\"StringTypeAnnotation\\\");case\\\"symbol\\\":return
this.finishNode(r,\\\"SymbolTypeAnnotation\\\");default:return
this.checkNotUnderscore(n.name),this.flowParseGenericType(e,t,n)}}flowParsePrimaryType(){const
e=this.state.start,t=this.state.startLoc,r=this.startNode();let n,i,s=!1;const
a=this.state.noAnonFunctionType;switch(this.state.type){case o.name:return
this.isContextual(\\\"interface\\\")?this.flowParseInterfaceType():this.flowIdentToTypeAnnotation(e,t,r,this.parseIde
ntifier());case o.braceL:return
this.flowParseObjectType({allowStatic:!1,allowExact:!1,allowSpread:!0,allowProto:!1,allowInexact:!0});case
o.braceBarL:return
this.flowParseObjectType({allowStatic:!1,allowExact:!0,allowSpread:!0,allowProto:!1,allowInexact:!1});case
o.bracketL:return
this.state.noAnonFunctionType=!1,i=this.flowParseTupleType(),this.state.noAnonFunctionType=a,i;case
o.relational:if(\\\"<\\\"===this.state.value)return
r.typeParameters=this.flowParseTypeParameterDeclaration(),this.expect(o.parenL),n=this.flowParseFunctionTypeP
arams(),r.params=n.params,r.rest=n.rest,this.expect(o.parenR),this.expect(o.arrow),r.returnType=this.flowParseType
(),this.finishNode(r,\\\"FunctionTypeAnnotation\\\");break;case
o.parenL:if(this.next(),!this.match(o.parenR)&&!this.match(o.ellipsis))if(this.match(o.name)){const
e=this.lookahead().type;s=e!==o.question&&e===o.colon}else
s=!0;if(s){if(this.state.noAnonFunctionType=!1,i=this.flowParseType(),this.state.noAnonFunctionType=a,this.state.
noAnonFunctionType||!(this.match(o.comma)||this.match(o.parenR)&&this.lookahead().type===o.arrow))return
this.expect(o.parenR),i;this.eat(o.comma)}return
n=i?this.flowParseFunctionTypeParams([this.reinterpretTypeAsFunctionTypeParam(i)]:this.flowParseFunctionTyp

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eParams(),r.params=n.params,r.rest=n.rest,this.expect(o.parenR),this.expect(o.arrow),r.returnType=this.flowParseType(),r.typeParameters=null,this.finishNode(r,\\\"FunctionTypeAnnotation\\\");case o.string:return this.parseLiteral(this.state.value,\\\"StringLiteralTypeAnnotation\\\");case o._true:case o._false:return r.value=this.match(o._true),this.next(),this.finishNode(r,\\\"BooleanLiteralTypeAnnotation\\\");case o.plusMin:if(\\\"-\\\"===this.state.value){if(this.next(),this.match(o.num))return this.parseLiteral(-this.state.value,\\\"NumberLiteralTypeAnnotation\\\");if(this.match(o.bigint))return this.parseLiteral(-this.state.value,\\\"BigIntLiteralTypeAnnotation\\\");throw this.raise(this.state.start,V.UnexpectedSubtractionOperand)}throw this.unexpected();case o.num:return this.parseLiteral(this.state.value,\\\"NumberLiteralTypeAnnotation\\\");case o.bigint:return this.parseLiteral(this.state.value,\\\"BigIntLiteralTypeAnnotation\\\");case o._void:return this.next(),this.finishNode(r,\\\"VoidTypeAnnotation\\\");case o._null:return this.next(),this.finishNode(r,\\\"NullLiteralTypeAnnotation\\\");case o._this:return this.next(),this.finishNode(r,\\\"ThisTypeAnnotation\\\");case o.star:return this.next(),this.finishNode(r,\\\"ExistsTypeAnnotation\\\");default:if(\\\"typeof\\\"===this.state.type.keyword)return this.flowParseTypeofType();if(this.state.type.keyword){const e=this.state.type.label;return this.next(),super.createIdentifier(r,e)}throw this.unexpected()}flowParsePostfixType(){const e=this.state.start,t=this.state.startLoc;let r=this.flowParsePrimaryType();for(;this.match(o.bracketL)&&!this.canInsertSemicolon());{const n=this.startNodeAt(e,t);n.elementType=r,this.expect(o.bracketL),this.expect(o.bracketR),r=this.finishNode(n,\\\"ArrayTypeAnnotation\\\");return r}flowParsePrefixType(){const e=this.startNode();return this.eat(o.question)?(e.typeAnnotation=this.flowParsePrefixType(),this.finishNode(e,\\\"NullableTypeAnnotation\\\")):this.flowParsePostfixType()}flowParseAnonFunctionWithoutParens(){const e=this.flowParsePrefixType();if(!this.state.noAnonFunctionType&&this.eat(o.arrow)){const t=this.startNodeAt(e.start,e.loc.start);return t.params=[this.reinterpretTypeAsFunctionTypeParam(e)],t.rest=null,t.returnType=this.flowParseType(),t.typeParameters=null,this.finishNode(t,\\\"FunctionTypeAnnotation\\\")}return e}flowParseIntersectionType(){const e=this.startNode();this.eat(o.bitwiseAND);const t=this.flowParseAnonFunctionWithoutParens();for(e.types=[t];this.eat(o.bitwiseAND);)e.types.push(this.flowParseAnonFunctionWithoutParens());return 1===e.types.length?t:this.finishNode(e,\\\"IntersectionTypeAnnotation\\\")}flowParseUnionType(){const e=this.startNode();this.eat(o.bitwiseOR);const t=this.flowParseIntersectionType();for(e.types=[t];this.eat(o.bitwiseOR);)e.types.push(this.flowParseIntersectionType());return 1===e.types.length?t:this.finishNode(e,\\\"UnionTypeAnnotation\\\")}flowParseType(){const e=this.state.inType;this.state.inType=!0;const t=this.flowParseUnionType();return this.state.inType=e,this.state.exprAllowed=this.state.exprAllowed||this.state.noAnonFunctionType,t}flowParseTypeOrImplicitInstantiation(){if(this.state.type===o.name&&\\\"_\\\"===this.state.value){const e=this.state.start,t=this.state.startLoc,r=this.parseIdentifier();return this.flowParseGenericType(e,t,r)}return this.flowParseType()}flowParseTypeAnnotation(){const e=this.startNode();return e.typeAnnotation=this.flowParseTypeInitialiser(),this.finishNode(e,\\\"TypeAnnotation\\\")}flowParseTypeAnnotationableIdentifier(e){const t=e?this.parseIdentifier():this.flowParseRestrictedIdentifier();return this.match(o.colon)&&(t.typeAnnotation=this.flowParseTypeAnnotation(),this.resetEndLocation(t),t)}typeCastToParameter(e){return e.expression.typeAnnotation=e.typeAnnotation,this.resetEndLocation(e.expression,e.typeAnnotation.end,e.typeAnnotation.loc.end),e.expression}flowParseVariance(){let e=null;return this.match(o.plusMin)&&(e=this.startNode(),\\\"+\\\"===this.state.value?e.kind=\\\"plus\\\":e.kind=\\\"minus\\\",this.next(),this.finishNode(e,\\\"Variance\\\"),e)}parseFunctionBody(e,t,r=!1){return t?this.forwardNoArrowParamsConversionAt(e,(e=>super.parseFunctionBody(e,!0,r)):super.parseFunctionBody(e,!1,r))}parseFunctionBodyAndFinish(e,t,r=!1){if(this.match(o.colon)){const

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t=this.startNode();[t.typeAnnotation,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),e.returnType=t.typeA
nnotation?this.finishNode(t,\\\\"TypeAnnotation\\\\\\"):null}super.parseFunctionBodyAndFinish(e,t,r)}parseStatement(
e,t){if(this.state.strict&&this.match(o.name)&&\\\\"interface\\\\\\"===this.state.value){const
e=this.lookahead();if(e.type===o.name||R(e.value)){const e=this.startNode();return
this.next(),this.flowParseInterface(e)}else if(this.shouldParseEnums()&&this.isContextual(\\\\"enum\\\\\\")){const
e=this.startNode();return this.next(),this.flowParseEnumDeclaration(e)}const r=super.parseStatement(e,t);return
void
0!==(this.flowPragma||this.isValidDirective(r))|(this.flowPragma=null,r)}parseExpressionStatement(e,t){if(\\\\"Identif
ier\\\\\\"===t.type)if(\\\\"declare\\\\\\"===t.name){if(this.match(o._class)||this.match(o.name)||this.match(o._function)||this
.match(o._var)||this.match(o._export))return this.flowParseDeclare(e)}else
if(this.match(o.name)){if(\\\\"interface\\\\\\"===t.name)return this.flowParseInterface(e);if(\\\\"type\\\\\\"===t.name)return
this.flowParseTypeAlias(e);if(\\\\"opaque\\\\\\"===t.name)return this.flowParseOpaqueType(e,!1)}return
super.parseExpressionStatement(e,t)}shouldParseExportDeclaration(){return
this.isContextual(\\\\"type\\\\\\")||this.isContextual(\\\\"interface\\\\\\")||this.isContextual(\\\\"opaque\\\\\\")||this.shouldParseEn
ums()&&this.isContextual(\\\\"enum\\\\\\")||super.shouldParseExportDeclaration()}isExportDefaultSpecifier(){return(!t
his.match(o.name)!|(\\\\"type\\\\\\"===this.state.value||\\\\"interface\\\\\\"===this.state.value||\\\\"opaque\\\\\\"===this.state.va
lue||this.shouldParseEnums()&&\\\\"enum\\\\\\"===this.state.value))&&super.isExportDefaultSpecifier()}parseExport
DefaultExpression(){if(this.shouldParseEnums()&&this.isContextual(\\\\"enum\\\\\\")){const e=this.startNode();return
this.next(),this.flowParseEnumDeclaration(e)}return
super.parseExportDefaultExpression()}parseConditional(e,t,r,n){if(!this.match(o.question))return e;if(n){const
i=this.tryParse(=>super.parseConditional(e,t,r));return
i.node?(i.error&&(this.state=i.failState),i.node):(n.start=i.error.pos||this.state.start,e)}this.expect(o.question);const
i=this.state.clone(),s=this.state.noArrowAt,a=this.startNodeAt(t,r);let {consequent:l,failed:c}=this.tryParseCondition
alConsequent(),[p,u]=this.getArrowLikeExpressions(l);if(c||u.length>0){const
e=[...s];if(u.length>0){this.state=i,this.state.noArrowAt=e;for(let
t=0;t<u.length;t++)e.push(u[t].start);({consequent:l,failed:c}=this.tryParseConditionalConsequent(),[p,u]=this.getA
rrowLikeExpressions(l)}c&&p.length>1&&this.raise(i.start,V.AmbiguousConditionalArrow),c&&1===p.length&
&(this.state=i,this.state.noArrowAt=e.concat(p[0].start),({consequent:l,failed:c}=this.tryParseConditionalConseque
nt()))}return
this.getArrowLikeExpressions(l,!0),this.state.noArrowAt=s,this.expect(o.colon),a.test=e,a.consequent=l,a.alternate=
this.forwardNoArrowParamsConversionAt(a,=>this.parseMaybeAssign(void 0,void 0,void
0)),this.finishNode(a,\\\\"ConditionalExpression\\\\\\")}tryParseConditionalConsequent(){this.state.noArrowParamsCo
nversionAt.push(this.state.start);const e=this.parseMaybeAssignAllowIn(),t=!this.match(o.colon);return
this.state.noArrowParamsConversionAt.pop(),{consequent:e,failed:t}}getArrowLikeExpressions(e,t){const
r=[e],n=[];for(;0!==r.length;){const
e=r.pop();\\\\"ArrowFunctionExpression\\\\\\"===e.type?(e.typeParameters||!e.returnType?this.finishArrowValidation(e
):n.push(e),r.push(e.body)):\\\\"ConditionalExpression\\\\\\"===e.type&&(r.push(e.consequent),r.push(e.alternate))}ret
urn t?(n.forEach(e=>this.finishArrowValidation(e)),[n,[]]):function(e,t){const r=[],n=[];for(let
i=0;i<e.length;i++)t(e[i],i,e)?r:n.push(e[i]);return[r,n]}(n,e=>e.params.every(e=>this.isAssignable(e,!0)))}finishAr
rowValidation(e){var t;this.toAssignableList(e.params,null==(t=e.extra)?void
0:t.trailingComma),this.scope.enter(6),super.checkParams(e,!1,!0),this.scope.exit()}forwardNoArrowParamsConver
sionAt(e,t){let r;return-
1!==(this.state.noArrowParamsConversionAt.indexOf(e.start)?(this.state.noArrowParamsConversionAt.push(this.stat
e.start),r=t(),this.state.noArrowParamsConversionAt.pop()):r=t(),r)}parseParenItem(e,t,r){if(e=super.parseParenItem
(e,t,r),this.eat(o.question)&&(e.optional=!0,this.resetEndLocation(e)),this.match(o.colon)){const
n=this.startNodeAt(t,r);return
n.expression=e,n.typeAnnotation=this.flowParseTypeAnnotation(),this.finishNode(n,\\\\"TypeCastExpression\\\\\\")}re
turn

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e }assertModuleNodeAllowed(e){\|"ImportDeclaration\|"===e.type&&(\|"type\|"===e.importKind\|\|"typeof\|"=
===e.importKind)\|\|"ExportNamedDeclaration\|"===e.type&&(\|"type\|"===e.exportKind\|\|"ExportAllDeclaratio
n\|"===e.type&&(\|"type\|"===e.exportKind\|super.assertModuleNodeAllowed(e) }parseExport(e){ const
t=super.parseExport(e);return\|"ExportNamedDeclaration\|"!==t.type&&(\|"ExportAllDeclaration\|"!==t.type\|(t.e
xportKind=t.exportKind\|\|"value\|"),t) }parseExportDeclaration(e){if(this.isContextual(\|"type\|")){e.exportKind=\
\|"type\|";const t=this.startNode();return
this.next(),this.match(o.braceL)?(e.specifiers=this.parseExportSpecifiers(),this.parseExportFrom(e),null):this.flowPa
rseTypeAlias(t)}if(this.isContextual(\|"opaque\|")){e.exportKind=\|"type\|";const t=this.startNode();return
this.next(),this.flowParseOpaqueType(t,!1)}if(this.isContextual(\|"interface\|")){e.exportKind=\|"type\|";const
t=this.startNode();return
this.next(),this.flowParseInterface(t)}if(this.shouldParseEnums())&&this.isContextual(\|"enum\|")){e.exportKind=\
\|"value\|";const t=this.startNode();return this.next(),this.flowParseEnumDeclaration(t)}return
super.parseExportDeclaration(e) }eatExportStar(e){return!super.eatExportStar(...arguments)||!(this.isContextual(\|
"type\|")\|this.lookahead().type!==o.star)&&(e.exportKind=\|"type\|",this.next(),this.next(),!0)}maybeParseExport
NamespaceSpecifier(e){const t=this.state.start,r=super.maybeParseExportNamespaceSpecifier(e);return
r&&(\|"type\|"===e.exportKind&&this.unexpected(t,r) }parseClassId(e,t,r){super.parseClassId(e,t,r),this.isRelation
al(\|"<\|")&&(e.typeParameters=this.flowParseTypeParameterDeclaration()) }parseClassMember(e,t,r){const
n=this.state.start;if(this.isContextual(\|"declare\|")){if(this.parseClassMemberFromModifier(e,t))return;t.declare=!
0}super.parseClassMember(e,t,r),t.declare&&(\|"ClassProperty\|"!==t.type&&(\|"ClassPrivateProperty\|"!==t.type
e?this.raise(n,V.DeclareClassElement):t.value&&this.raise(t.value.start,V.DeclareClassFieldInitializer)) }getTokenF
romCode(e){const t=this.input.charCodeAt(this.state.pos+1);return
123===e&&124===t?this.finishOp(o.braceBarL,2):!this.state.inType||62!==e&&60!==e?this.state.inType&&63===
=e?this.finishOp(o.question,1):function(e,t){return
64===e&&64===t}(e,t)?(this.state.isIterator=!0,super.readWord()):super.getTokenFromCode(e):this.finishOp(o.rel
ational,1) }isAssignable(e,t){switch(e.type){case\|"Identifier\|":case\|"ObjectPattern\|":case\|"ArrayPattern\|":cas
e\|"AssignmentPattern\|":return!0;case\|"ObjectExpression\|":{const t=e.properties.length-1;return
e.properties.every((e,r)=>\|"ObjectMethod\|"!==e.type&&(r===t\|\|"SpreadElement\|"===e.type)&&this.isAssign
able(e))}case\|"ObjectProperty\|":return this.isAssignable(e.value);case\|"SpreadElement\|":return
this.isAssignable(e.argument);case\|"ArrayExpression\|":return
e.elements.every(e=>this.isAssignable(e));case\|"AssignmentExpression\|":return\|"=\|"===e.operator;case\|"Par
enthesizedExpression\|":case\|"TypeCastExpression\|":return
this.isAssignable(e.expression);case\|"MemberExpression\|":case\|"OptionalMemberExpression\|":return!t;default:
return!1} }toAssignable(e){return\|"TypeCastExpression\|"===e.type?super.toAssignable(this.typeCastToParamete
r(e)):super.toAssignable(e) }toAssignableList(e,t){for(let t=0;t<e.length;t++){const
r=e[t];\|"TypeCastExpression\|"===e.type&&(r===t?void 0:r.type)&&(e[t]=this.typeCastToParameter(r)) }return
super.toAssignableList(e,t) }toReferencedList(e,t){for(let n=0;n<e.length;n++){var r;const
i=e[n];i&&\|"TypeCastExpression\|"===i.type&&!(null==(r=i.extra)?void
0:r.parenthesized)&&(e.length>1||t)&&this.raise(i.typeAnnotation.start,V.TypeCastInParameter) }return
e }parseArrayLike(e,t,r,n){const i=super.parseArrayLike(e,t,r,n);return
t&&!this.state.maybeInArrowParameters&&this.toReferencedList(i.elements,i) }checkLVal(e,t=64,r,n){if(\|"TypeC
astExpression\|"!==e.type)return super.checkLVal(e,t,r,n) }parseClassProperty(e){return
this.match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),super.parseClassProperty(e) }parseClass
PrivateProperty(e){return
this.match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),super.parseClassPrivateProperty(e) }isC
lassMethod(){return this.isRelational(\|"<\|")\|super.isClassMethod() }isClassProperty(){return
this.match(o.colon)\|super.isClassProperty() }isNonstaticConstructor(e){return!this.match(o.colon)&&super.isNonsta
ticConstructor(e) }pushClassMethod(e,t,r,n,i,s){t.variance&&this.unexpected(t.variance.start),delete
t.variance,this.isRelational(\|"<\|")&&(t.typeParameters=this.flowParseTypeParameterDeclaration()),super.pushCl

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assMethod(e,t,r,n,i,s)}pushClassPrivateMethod(e,t,r,n){t.variance&&this.unexpected(t.variance.start),delete
t.variance,this.isRelational(\\<\\")&&(t.typeParameters=this.flowParseTypeParameterDeclaration()),super.pushCl
assPrivateMethod(e,t,r,n)}parseClassSuper(e){if(super.parseClassSuper(e),e.superClass&&this.isRelational(\\<\\")
)&&(e.superTypeParameters=this.flowParseTypeParameterInstantiation()),this.isContextual(\\implements\\")}{th
s.next();const t=e.implements=[];do{const
e=this.startNode();e.id=this.flowParseRestrictedIdentifier(!0),this.isRelational(\\<\\")?e.typeParameters=this.flow
ParseTypeParameterInstantiation():e.typeParameters=null,t.push(this.finishNode(e,\\ClassImplements\\"))}while(t
his.eat(o.comma))}parsePropertyName(e,t){const
r=this.flowParseVariance(),n=super.parsePropertyName(e,t);return
e.variance=r,n}parseObjPropValue(e,t,r,n,i,s,a,l){let c;e.variance&&this.unexpected(e.variance.start),delete
e.variance,this.isRelational(\\<\\")&&!a&&(c=this.flowParseTypeParameterDeclaration(),this.match(o.parenL)||th
is.unexpected()),super.parseObjPropValue(e,t,r,n,i,s,a,l),c&&((e.value||e).typeParameters=c)}parseAssignableListIte
mTypes(e){return
this.eat(o.question)&&(\\Identifier\\")!==(e.type&&this.raise(e.start,V.OptionalBindingPattern),e.optional=!0),this.
match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),this.resetEndLocation(e),e}parseMaybeDef
ault(e,t,r){const
n=super.parseMaybeDefault(e,t,r);return\\AssignmentPattern\\")===n.type&&n.typeAnnotation&&n.right.start<n.t
ypeAnnotation.start&&this.raise(n.typeAnnotation.start,V.TypeBeforeInitializer),n}shouldParseDefaultImport(e){re
turn
K(e)?q(this.state):super.shouldParseDefaultImport(e)}parseImportSpecifierLocal(e,t,r,n){t.local=K(e)?this.flowPars
eRestrictedIdentifier(!0,!0):this.parseIdentifier(),this.checkLVal(t.local,9,void
0,n),e.specifiers.push(this.finishNode(t,r))}maybeParseDefaultImportSpecifier(e){e.importKind=\\value\\");let
t=null;if(this.match(o._typeof)?t=\\typeof\\":this.isContextual(\\typeof\\")&&(t=\\typeof\\"),t){const
r=this.lookahead();\\typeof\\")===t&&r.type===o.star&&this.unexpected(r.start),(q(r)||r.type===o.braceL||r.type===
o.star)&&(this.next(),e.importKind=t)}return
super.maybeParseDefaultImportSpecifier(e)}parseImportSpecifier(e){const
t=this.startNode(),r=this.state.start,n=this.parseModuleExportName();let
i=null;\\Identifier\\")===n.type&&(\\typeof\\")===n.name?i=\\typeof\\":\\typeof\\")===n.name&&(i=\\typeof\\")
);let s=!1;if(this.isContextual(\\as\\")&&!this.isLookaheadContextual(\\as\\")){const
e=this.parseIdentifier(!0);null===i||this.match(o.name)||this.state.type.keyword?(t.imported=n,t.importKind=null,t.l
ocal=this.parseIdentifier():(t.imported=e,t.importKind=i,t.local=e.__clone())}else
if(null===i&&(this.match(o.name)||this.state.type.keyword))t.imported=this.parseIdentifier(!0),t.importKind=i,this.e
atContextual(\\as\\")?t.local=this.parseIdentifier():(s=!0,t.local=t.imported.__clone());else{if(\\StringLiteral\\")=
===n.type)throw
this.raise(t.start,y.ImportBindingIsString,n.value);s=!0,t.imported=n,t.importKind=null,t.local=t.imported.__clone()
}const
a=K(e),l=K(t);a&&l&&this.raise(r,V.ImportTypeShorthandOnlyInPureImport),(a||l)&&this.checkReservedType(t.l
ocal.name,t.local.start,!0),!s||a||l||this.checkReservedWord(t.local.name,t.start,!0,!0),this.checkLVal(t.local,9,void
0,\\import
specifier\\"),e.specifiers.push(this.finishNode(t,\\ImportSpecifier\\"))}parseFunctionParams(e,t){const
r=e.kind;\\get\\")!==(r&&\\set\\")!==(r&&this.isRelational(\\<\\")&&(e.typeParameters=this.flowParseTypePara
meterDeclaration()),super.parseFunctionParams(e,t)}parseVarId(e,t){super.parseVarId(e,t),this.match(o.colon)&&(e
.id.typeAnnotation=this.flowParseTypeAnnotation(),this.resetEndLocation(e.id))}parseAsyncArrowFromCallExpres
sion(e,t){if(this.match(o.colon)){const
t=this.state.noAnonFunctionType;this.state.noAnonFunctionType=!0,e.returnType=this.flowParseTypeAnnotation()
,this.state.noAnonFunctionType=t}return
super.parseAsyncArrowFromCallExpression(e,t)}shouldParseAsyncArrow(){return
this.match(o.colon)||super.shouldParseAsyncArrow()}parseMaybeAssign(e,t,r){var n;let

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i,s=null;if(this.hasPlugin(\\\\"jsx\\\\"))&&(this.match(o.jsxTagStart)||this.isRelational(\\\\"<\\\\"))){if(s=this.state.clone(),
i=this.tryParse(=>super.parseMaybeAssign(e,t,r),s),!i.error)return i.node;const {context:n}=this.state;n[n.length-
1]===g.j_oTag?n.length-=2:n[n.length-1]===g.j_expr&&(n.length=1)}if((null==(n=i)?void
0:n.error)||this.isRelational(\\\\"<\\\\")){var a,l;let n;s=s||this.state.clone();const o=this.tryParse(i=>{var
s;n=this.flowParseTypeParameterDeclaration();const a=this.forwardNoArrowParamsConversionAt(n,=>{const
i=super.parseMaybeAssign(e,t,r);return
this.resetStartLocationFromNode(i,n,i)});\\\\"ArrowFunctionExpression\\\\"!==(a.type&&(null==(s=a.extra)?void
0:s.parenthesized))&&i);const o=this.maybeUnwrapTypeCastExpression(a);return
o.typeParameters=n,this.resetStartLocationFromNode(o,n,a},s);let
c=null;if(o.node&&\\\\"ArrowFunctionExpression\\\\"===this.maybeUnwrapTypeCastExpression(o.node).type){if(!o
.error&&!o.aborted)return
o.node.async&&this.raise(n.start,V.UnexpectedTypeParameterBeforeAsyncArrowFunction),o.node;c=o.node}if(nul
l==(a=i)?void 0:a.node)return this.state=i.failState,i.node;if(c)return this.state=o.failState,c;if(null==(l=i)?void
0:l.thrown)throw i.error;if(o.thrown)throw o.error;throw
this.raise(n.start,V.UnexpectedTokenAfterTypeParameter)}return
super.parseMaybeAssign(e,t,r)}parseArrow(e){if(this.match(o.colon)){const t=this.tryParse(=>{const
t=this.state.noAnonFunctionType;this.state.noAnonFunctionType=!0;const
r=this.startNode();return[r.typeAnnotation,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),this.state.noAn
onFunctionType=t,this.canInsertSemicolon()&&this.unexpected(),this.match(o.arrow)||this.unexpected(),r});if(t.thro
wn)return
null;t.error&&(this.state=t.failState),e.returnType=t.node.typeAnnotation?this.finishNode(t.node,\\\\"TypeAnnotatio
n\\\\"):null}return super.parseArrow(e)}shouldParseArrow(){return
this.match(o.colon)||super.shouldParseArrow()}setArrowFunctionParameters(e,t){-
1!==this.state.noArrowParamsConversionAt.indexOf(e.start)?e.params=t.super.setArrowFunctionParameters(e,t)}c
heckParams(e,t,r){if(!r|-1===this.state.noArrowParamsConversionAt.indexOf(e.start))return
super.checkParams(...arguments)}parseParenAndDistinguishExpression(e){return
super.parseParenAndDistinguishExpression(e&&-
1===this.state.noArrowAt.indexOf(this.state.start))}parseSubscripts(e,t,r,n){if(\\\\"Identifier\\\\"===e.type&&\\\\"asyn
c\\\\"===e.name&&-1!==this.state.noArrowAt.indexOf(t)){this.next();const
n=this.startNodeAt(t,r);n.callee=e,n.arguments=this.parseCallExpressionArguments(o.parenR,!1),e=this.finishNode(
n,\\\\"CallExpression\\\\")}else
if(\\\\"Identifier\\\\"===e.type&&\\\\"async\\\\"===e.name&&this.isRelational(\\\\"<\\\\")){const
i=this.state.clone(),s=this.tryParse(e=>this.parseAsyncArrowWithTypeParameters(t,r)||e(),i);if(!s.error&&!s.aborted
)return s.node;const a=this.tryParse(=>super.parseSubscripts(e,t,r,n),i);if(a.node&&!a.error)return
a.node;if(s.node)return this.state=s.failState,s.node;if(a.node)return this.state=a.failState,a.node;throw
s.error|a.error}return
super.parseSubscripts(e,t,r,n)}parseSubscript(e,t,r,n,i){if(this.match(o.questionDot)&&this.isLookaheadToken_It())
{if(i.optionalChainMember=!0,n)return i.stop=!0,e,this.next();const s=this.startNodeAt(t,r);return
s.callee=e,s.typeArguments=this.flowParseTypeParameterInstantiation(),this.expect(o.parenL),s.arguments=this.par
seCallExpressionArguments(o.parenR,!1),s.optional=!0,this.finishCallExpression(s,!0)}if(!n&&this.shouldParseTyp
es()&&this.isRelational(\\\\"<\\\\")){const n=this.startNodeAt(t,r);n.callee=e;const
s=this.tryParse(=>(n.typeArguments=this.flowParseTypeParameterInstantiationCallOrNew(),this.expect(o.parenL)
,n.arguments=this.parseCallExpressionArguments(o.parenR,!1),i.optionalChainMember&&(n.optional=!1),this.finis
hCallExpression(n,i.optionalChainMember)));if(s.node)return s.error&&(this.state=s.failState),s.node}return
super.parseSubscript(e,t,r,n,i)}parseNewArguments(e){let
t=null;this.shouldParseTypes()&&this.isRelational(\\\\"<\\\\")&&(t=this.tryParse(=>this.flowParseTypeParameterIn
stantiationCallOrNew()).node),e.typeArguments=t,super.parseNewArguments(e)}parseAsyncArrowWithTypePara
meters(e,t){const r=this.startNodeAt(e,t);if(this.parseFunctionParams(r),this.parseArrow(r))return

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this.parseArrowExpression(r,void 0,!0)}readToken_mult_modulo(e){const
t=this.input.charCodeAt(this.state.pos+1);if(42===e&&47===t&&this.state.hasFlowComment)return
this.state.hasFlowComment=!1,this.state.pos+=2,void
this.nextToken();super.readToken_mult_modulo(e)}readToken_pipe_amp(e){const
t=this.input.charCodeAt(this.state.pos+1);124!===e||125!===t?super.readToken_pipe_amp(e):this.finishOp(o.braceBar
R,2)}parseTopLevel(e,t){const r=super.parseTopLevel(e,t);return
this.state.hasFlowComment&&this.raise(this.state.pos,V.UnterminatedFlowComment),r}skipBlockComment(){if(th
is.hasPlugin(\\\\"flowComments\\")&&this.skipFlowComment())return
this.state.hasFlowComment&&this.unexpected(null,V.NestedFlowComment),this.hasFlowCommentCompletion(),t
his.state.pos+=this.skipFlowComment(),void(this.state.hasFlowComment=!0);if(this.state.hasFlowComment){const
e=this.input.indexOf(\\\\"*-^\\",this.state.pos+=2);if(-1===e)throw this.raise(this.state.pos-
2,y.UnterminatedComment);this.state.pos=e+3}else
super.skipBlockComment()}skipFlowComment(){const{pos:e}=this.state;let
t=2;for(;;[32,9].includes(this.input.charCodeAt(e+t));t++);const
r=this.input.charCodeAt(t+e),n=this.input.charCodeAt(t+e+1);return 58===r&&58===n?t+2:\\\\"flow-
include\\")==this.input.slice(t+e,t+e+12)?t+12:58===r&&58!===n&&t}hasFlowCommentCompletion(){if(-
1===this.input.indexOf(\\\\"*^\\",this.state.pos))throw
this.raise(this.state.pos,y.UnterminatedComment)}flowEnumErrorBooleanMemberNotInitialized(e,{enumName:t,m
emberName:r}){this.raise(e,V.EnumBooleanMemberNotInitialized,r,t)}flowEnumErrorInvalidMemberName(e,{en
umName:t,memberName:r}){const
n=r[0].toUpperCase()+r.slice(1);this.raise(e,V.EnumInvalidMemberName,r,n,t)}flowEnumErrorDuplicateMemberN
ame(e,{enumName:t,memberName:r}){this.raise(e,V.EnumDuplicateMemberName,r,t)}flowEnumErrorInconsisten
tMemberValues(e,{enumName:t}){this.raise(e,V.EnumInconsistentMemberValues,t)}flowEnumErrorInvalidExplici
tType(e,{enumName:t,suppliedType:r}){return
this.raise(e,null===r?V.EnumInvalidExplicitTypeUnknownSupplied:V.EnumInvalidExplicitType,t,r)}flowEnumErr
orInvalidMemberInitializer(e,{enumName:t,explicitType:r,memberName:n}){let
i=null;switch(r){case\\\\"boolean\\":case\\\\"number\\":case\\\\"string\\":i=V.EnumInvalidMemberInitializerPrimary
Type;break;case\\\\"symbol\\":i=V.EnumInvalidMemberInitializerSymbolType;break;default:i=V.EnumInvalidMem
berInitializerUnknownType}return
this.raise(e,i,t,n,r)}flowEnumErrorNumberMemberNotInitialized(e,{enumName:t,memberName:r}){this.raise(e,V.E
numNumberMemberNotInitialized,t,r)}flowEnumErrorStringMemberInconsistentlyInitailized(e,{enumName:t}){thi
s.raise(e,V.EnumStringMemberInconsistentlyInitailized,t)}flowEnumMemberInit(){const
e=this.state.start,t(=)=>this.match(o.comma)||this.match(o.braceR);switch(this.state.type){case o.num:{const
r=this.parseLiteral(this.state.value,\\\\"NumericLiteral\\");return
t)?{type:\\\\"number\\",pos:r.start,value:r}:{type:\\\\"invalid\\",pos:e}}case o.string:{const
r=this.parseLiteral(this.state.value,\\\\"StringLiteral\\");return
t)?{type:\\\\"string\\",pos:r.start,value:r}:{type:\\\\"invalid\\",pos:e}}case o._true:case o._false:{const
r=this.parseBooleanLiteral();return
t)?{type:\\\\"boolean\\",pos:r.start,value:r}:{type:\\\\"invalid\\",pos:e}}default:return{type:\\\\"invalid\\",pos:e}}flo
wEnumMemberRaw(){const
e=this.state.start;return{id:this.parseIdentifier(!0),init:this.eat(o.eq)?this.flowEnumMemberInit():{type:\\\\"none\\",p
os:e}}}flowEnumCheckExplicitTypeMismatch(e,t){const{explicitType:n}=t,null!===n&&n!===r&&this.flowEnum
ErrorInvalidMemberInitializer(e,t)}flowEnumMembers({enumName:e,explicitType:t}){const r=new
Set,n={booleanMembers:[],numberMembers:[],stringMembers:[],defaultedMembers:[]};for(;;!this.match(o.braceR);)
{const i=this.startNode(),{id:s,init:a}=this.flowEnumMemberRaw(),l=s.name;if(\\\\"\\\\"===l)continue; /^[a-
z]/.test(l)&&this.flowEnumErrorInvalidMemberName(s.start,{enumName:e,memberName:l}),r.has(l)&&this.flowE
numErrorDuplicateMemberName(s.start,{enumName:e,memberName:l}),r.add(l);const
c={enumName:e,explicitType:t,memberName:l};switch(i.id=s,a.type){case\\\\"boolean\\":this.flowEnumCheckExp

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icitTypeMismatch(a.pos,c,\\\\"boolean\\\\"),i.init=a.value,n.booleanMembers.push(this.finishNode(i,\\\\"EnumBoolean
Member\\\\"));break;case\\\\"number\\\\":this.flowEnumCheckExplicitTypeMismatch(a.pos,c,\\\\"number\\\\"),i.init=a.v
alue,n.numberMembers.push(this.finishNode(i,\\\\"EnumNumberMember\\\\"));break;case\\\\"string\\\\":this.flowEnum
CheckExplicitTypeMismatch(a.pos,c,\\\\"string\\\\"),i.init=a.value,n.stringMembers.push(this.finishNode(i,\\\\"EnumSt
ringMember\\\\"));break;case\\\\"invalid\\\\":throw
this.flowEnumErrorInvalidMemberInitializer(a.pos,c);case\\\\"none\\\\":switch(t){case\\\\"boolean\\\\":this.flowEnumE
rrorBooleanMemberNotInitialized(a.pos,c);break;case\\\\"number\\\\":this.flowEnumErrorNumberMemberNotInitiali
zed(a.pos,c);break;default:n.defaultedMembers.push(this.finishNode(i,\\\\"EnumDefaultedMember\\\\"))}}this.match(
o.braceR)||this.expect(o.comma)}return n}flowEnumStringMembers(e,t,{enumName:r}){if(0===e.length)return
t;if(0===t.length)return e;if(t.length>e.length){for(let t=0;t<e.length;t++){const
n=e[t];this.flowEnumErrorStringMemberInconsistentlyInitailized(n.start,{enumName:r})}return t}for(let
e=0;e<t.length;e++){const
n=t[e];this.flowEnumErrorStringMemberInconsistentlyInitailized(n.start,{enumName:r})}return
e}flowEnumParseExplicitType({enumName:e}){if(this.eatContextual(\\\\"of\\\\")){if(!this.match(o.name))throw
this.flowEnumErrorInvalidExplicitType(this.state.start,{enumName:e,suppliedType:null});const{value:t}=this.state;
return
this.next(),\\\\"boolean\\\\"!==t&&\\\\"number\\\\"!==t&&\\\\"string\\\\"!==t&&\\\\"symbol\\\\"!==t&&this.flowEnumErro
rInvalidExplicitType(this.state.start,{enumName:e,suppliedType:t}),t}return
null}flowEnumBody(e,{enumName:t,nameLoc:r}){const
n=this.flowEnumParseExplicitType({enumName:t});this.expect(o.braceL);const
i=this.flowEnumMembers({enumName:t,explicitType:n});switch(n){case\\\\"boolean\\\\":return
e.explicitType=!0,e.members=i.booleanMembers,this.expect(o.braceR),this.finishNode(e,\\\\"EnumBooleanBody\\\\"
);case\\\\"number\\\\":return
e.explicitType=!0,e.members=i.numberMembers,this.expect(o.braceR),this.finishNode(e,\\\\"EnumNumberBody\\\\"
);case\\\\"string\\\\":return
e.explicitType=!0,e.members=this.flowEnumStringMembers(i.stringMembers,i.defaultedMembers,{enumName:t}),
this.expect(o.braceR),this.finishNode(e,\\\\"EnumStringBody\\\\"");case\\\\"symbol\\\\":return
e.members=i.defaultedMembers,this.expect(o.braceR),this.finishNode(e,\\\\"EnumSymbolBody\\\\"");default:{const
n=(e=>(e.members=[],this.expect(o.braceR),this.finishNode(e,\\\\"EnumStringBody\\\\")));e.explicitType=!1;const
s=i.booleanMembers.length,a=i.numberMembers.length,l=i.stringMembers.length,c=i.defaultedMembers.length;if(s
||a||l||c){if(s||a){if(!a&&!l&&s>c){for(let e=0,r=i.defaultedMembers;e<r.length;e++){const
n=r[e];this.flowEnumErrorBooleanMemberNotInitialized(n.start,{enumName:t,memberName:n.id.name})}return
e.members=i.booleanMembers,this.expect(o.braceR),this.finishNode(e,\\\\"EnumBooleanBody\\\\"");if(!s&&!l&&a>=
c){for(let e=0,r=i.defaultedMembers;e<r.length;e++){const
n=r[e];this.flowEnumErrorNumberMemberNotInitialized(n.start,{enumName:t,memberName:n.id.name})}return
e.members=i.numberMembers,this.expect(o.braceR),this.finishNode(e,\\\\"EnumNumberBody\\\\"");}return
this.flowEnumErrorInconsistentMemberValues(r,{enumName:t}),n()}return
e.members=this.flowEnumStringMembers(i.stringMembers,i.defaultedMembers,{enumName:t}),this.expect(o.brace
R),this.finishNode(e,\\\\"EnumStringBody\\\\"");}return n()}}flowParseEnumDeclaration(e){const
t=this.parseIdentifier();return
e.id=t,e.body=this.flowEnumBody(this.startNode(),{enumName:t.name,nameLoc:t.start}),this.finishNode(e,\\\\"Enu
mDeclaration\\\\"))updateContext(e){this.match(o.name)&&\\\\"of\\\\"===this.state.value&&e===o.name&&\\\\"interf
ace\\\\"===this.input.slice(this.state.lastTokStart,this.state.lastTokEnd)?this.state.exprAllowed=!1:super.updateConte
xt(e)}isLookaheadToken_lt(){const e=this.nextTokenStart();if(60===this.input.charCodeAt(e)){const
t=this.input.charCodeAt(e+1);return
60!==t&&61!==t}return!1}maybeUnwrapTypeCastExpression(e){return\\\\"TypeCastExpression\\\\"===e.type?e.ex
pression:e},typescript:e=>class extends e{getScopeHandler(){return te}tsIsIdentifier(){return
this.match(o.name)}tsNextTokenCanFollowModifier(){return

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this.next(),!(this.hasPrecedingLineBreak())||this.match(o.parenL)||this.match(o.parenR)||this.match(o.colon)||this.matc
h(o.eq)||this.match(o.question)||this.match(o.bang))}tsParseModifier(e){if(!this.match(o.name))return;const
t=this.state.value;return-1!==e.indexOf(t)&&this.tsTryParse(this.tsNextTokenCanFollowModifier.bind(this))?t:void
0}tsParseModifiers(e,t){for(;;){const
r=this.state.start,n=this.tsParseModifier(t);if(!n)break;Object.hasOwnProperty.call(e,n)&&this.raise(r,ae.DuplicateM
odifier,n),e[n]=!0}tsIsListTerminator(e){switch(e){case\\"EnumMembers\\"":case\\"TypeMembers\\"":return
this.match(o.braceR);case\\"HeritageClauseElement\\"":return
this.match(o.braceL);case\\"TupleElementTypes\\"":return
this.match(o.bracketR);case\\"TypeParametersOrArguments\\"":return this.isRelational(\\\\">\\\\"))throw new
Error(\\\\"Unreachable\\\\")}tsParseList(e,t){const r=[];for(;!this.tsIsListTerminator(e);)r.push(t());return
r}tsParseDelimitedList(e,t){return
ie(this.tsParseDelimitedListWorker(e,t,!0))}tsParseDelimitedListWorker(e,t,r){const
n=[];for(;!this.tsIsListTerminator(e);){const
i=t();if(null===i)return;if(n.push(i),!this.eat(o.comma)){if(this.tsIsListTerminator(e))break;return
void(r&&this.expect(o.comma))}}return
n}tsParseBracketedList(e,t,r,n){n||(r?this.expect(o.bracketL):this.expectRelational(\\\\"<\\\\"));const
i=this.tsParseDelimitedList(e,t);return
r?this.expect(o.bracketR):this.expectRelational(\\\\">\\\\"),i}tsParseImportType(){const e=this.startNode();return
this.expect(o._import),this.expect(o.parenL),this.match(o.string)||this.raise(this.state.start,ae.UnsupportedImportTyp
eArgument),e.argument=this.parseExprAtom(),this.expect(o.parenR),this.eat(o.dot)&&(e.qualifier=this.tsParseEntit
yName(!0),this.isRelational(\\\\"<\\\\"))&&(e.typeParameters=this.tsParseTypeArguments()),this.finishNode(e,\\\\"TSI
mportType\\\\")}tsParseEntityName(e){let t=this.parseIdentifier();for(;this.eat(o.dot);){const
r=this.startNodeAtNode(t);r.left=t,r.right=this.parseIdentifier(e),t=this.finishNode(r,\\\\"TSQualifiedName\\\\")}return
t}tsParseTypeReference(){const e=this.startNode();return
e.typeName=this.tsParseEntityName(!1,!this.hasPrecedingLineBreak())&&this.isRelational(\\\\"<\\\\"))&&(e.typePara
meters=this.tsParseTypeArguments()),this.finishNode(e,\\\\"TSTypeReference\\\\")}tsParseThisTypePredicate(e){this
.next();const t=this.startNodeAtNode(e);return
t.parameterName=e,t.typeAnnotation=this.tsParseTypeAnnotation(!1),this.finishNode(t,\\\\"TSTypePredicate\\\\")}tsP
arseThisTypeNode(){const e=this.startNode();return
this.next(),this.finishNode(e,\\\\"TSThisType\\\\")}tsParseTypeQuery(){const e=this.startNode();return
this.expect(o._typeof),this.match(o._import)?e.exprName=this.tsParseImportType():e.exprName=this.tsParseEntity
Name(!0),this.finishNode(e,\\\\"TSTypeQuery\\\\")}tsParseTypeParameter(){const e=this.startNode();return
e.name=this.parseIdentifierName(e.start),e.constraint=this.tsEatThenParseType(o._extends),e.default=this.tsEatThe
nParseType(o.eq),this.finishNode(e,\\\\"TSTypeParameter\\\\")}tsTryParseTypeParameters(){if(this.isRelational(\\\\"<
\\\\"))return this.tsParseTypeParameters()}tsParseTypeParameters(){const e=this.startNode();return
this.isRelational(\\\\"<\\\\")||this.match(o.jsxTagStart)?this.next():this.unexpected(),e.params=this.tsParseBracketedLis
t(\\\\"TypeParametersOrArguments\\\\"),this.tsParseTypeParameter.bind(this),!1,!0),0===e.params.length&&this.raise
(e.start,ae.EmptyTypeParameters),this.finishNode(e,\\\\"TSTypeParameterDeclaration\\\\")}tsTryNextParseConstantC
ontext(){return
this.lookahead().type===o._const?(this.next(),this.tsParseTypeReference()):null}tsFillSignature(e,t){const
r=e===o.arrow;t.typeParameters=this.tsTryParseTypeParameters(),this.expect(o.parenL),t.parameters=this.tsParseBi
ndingListForSignature(),(r||this.match(e))&&(t.typeAnnotation=this.tsParseTypeOrTypePredicateAnnotation(e))}ts
ParseBindingListForSignature(){return
this.parseBindingList(o.parenR,41).map(e=>(\\\\"Identifier\\\\"!===e.type&&\\\\"RestElement\\\\"!===e.type&&\\\\"Objec
tPattern\\\\"!===e.type&&\\\\"ArrayPattern\\\\"!===e.type&&this.raise(e.start,ae.UnsupportedSignatureParameterKind,e.
type),e))}tsParseTypeMemberSemicolon(){this.eat(o.comma)||this.semicolon()}tsParseSignatureMember(e,t){return
this.tsFillSignature(o.colon,t),this.tsParseTypeMemberSemicolon(),this.finishNode(t,e)}tsIsUnambiguouslyIndexSi
gnature(){return

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this.next(),this.eat(o.name)&&this.match(o.colon)}tsTryParseIndexSignature(e){if(!this.match(o.bracketL)||!this.tsL
ookAhead(this.tsIsUnambiguouslyIndexSignature.bind(this)))return;this.expect(o.bracketL);const
t=this.parseIdentifier();t.typeAnnotation=this.tsParseTypeAnnotation(),this.resetEndLocation(t),this.expect(o.bracke
tR),e.parameters=[t];const r=this.tsTryParseTypeAnnotation();return
r&&(e.typeAnnotation=r),this.tsParseTypeMemberSemicolon(),this.finishNode(e,\\\\"TSIndexSignature\\\\")}tsParse
PropertyOrMethodSignature(e,t){this.eat(o.question)&&(e.optional=!0);const
r=e;if(t!|this.match(o.parenL)&&!this.isRelational(\\\\"<\\\\"))){const e=r;t&&(e.readonly=!0);const
n=this.tsTryParseTypeAnnotation();return
n&&(e.typeAnnotation=n),this.tsParseTypeMemberSemicolon(),this.finishNode(e,\\\\"TSPropertySignature\\\\")}{co
nst e=r;return
this.tsFillSignature(o.colon,e),this.tsParseTypeMemberSemicolon(),this.finishNode(e,\\\\"TSMethodSignature\\\\")}t
sParseTypeMember(){const e=this.startNode();if(this.match(o.parenL)||this.isRelational(\\\\"<\\\\"))return
this.tsParseSignatureMember(\\\\"TSCallSignatureDeclaration\\\\"",e);if(this.match(o._new)){const
t=this.startNode();return
this.next(),this.match(o.parenL)||this.isRelational(\\\\"<\\\\")?this.tsParseSignatureMember(\\\\"TSConstructSignatureD
eclaration\\\\"",e):(e.key=this.createIdentifier(t,\\\\"new\\\\""),this.tsParsePropertyOrMethodSignature(e,!1))}const
t=!|this.tsParseModifier([\\\\"readonly\\\\""],r=this.tsTryParseIndexSignature(e);return
r?(t&&(e.readonly=!0),r):(this.parsePropertyName(e,!1),this.tsParsePropertyOrMethodSignature(e,t))}tsParseTypeL
iteral(){const e=this.startNode();return
e.members=this.tsParseObjectTypeMembers(),this.finishNode(e,\\\\"TSTypeLiteral\\\\")}tsParseObjectTypeMembers
(){this.expect(o.braceL);const e=this.tsParseList(\\\\"TypeMembers\\\\"",this.tsParseTypeMember.bind(this));return
this.expect(o.braceR),e}tsIsStartOfMappedType(){return
this.next(),this.eat(o.plusMin)?this.isContextual(\\\\"readonly\\\\"):(this.isContextual(\\\\"readonly\\\\")&&this.next(),!|t
his.match(o.bracketL)&&(this.next(),!|this.tsIsIdentifier)&&(this.next(),this.match(o._in))))}tsParseMappedTypeP
arameter(){const e=this.startNode();return
e.name=this.parseIdentifierName(e.start),e.constraint=this.tsExpectThenParseType(o._in),this.finishNode(e,\\\\"TST
ypeParameter\\\\")}tsParseMappedType(){const e=this.startNode();return
this.expect(o.braceL),this.match(o.plusMin)?(e.readonly=this.state.value,this.next(),this.expectContextual(\\\\"readon
ly\\\\")):this.eatContextual(\\\\"readonly\\\\")&&(e.readonly=!0),this.expect(o.bracketL),e.typeParameter=this.tsParse
MappedTypeParameter(),e.nameType=this.eatContextual(\\\\"as\\\\")?this.tsParseType():null,this.expect(o.bracketR),t
his.match(o.plusMin)?(e.optional=this.state.value,this.next(),this.expect(o.question)):this.eat(o.question)&&(e.optio
nal=!0),e.typeAnnotation=this.tsTryParseType(),this.semicolon(),this.expect(o.braceR),this.finishNode(e,\\\\"TSMapp
edType\\\\")}tsParseTupleType(){const
e=this.startNode();e.elementTypes=this.tsParseBracketedList(\\\\"TupleElementTypes\\\\"",this.tsParseTupleElementT
ype.bind(this),!0,!1);let t=!1,r=null;return e.elementTypes.forEach(e=>{var
n;let{type:i}=e;!t||\\\\"TSRestType\\\\"===i||\\\\"TSOptionalType\\\\"===i||\\\\"TSNamedTupleMember\\\\"===i&&e.opti
onal||this.raise(e.start,ae.OptionalTypeBeforeRequired),t=t||\\\\"TSNamedTupleMember\\\\"===i&&e.optional||\\\\"TS
OptionalType\\\\"===i,\\\\"TSRestType\\\\"===i&&(i=(e=e.typeAnnotation).type);const
s=\\\\"TSNamedTupleMember\\\\"===i;r=null!=(n=r)?n:s,r!==(s&&this.raise(e.start,ae.MixedLabeledAndUnlabeledEl
ements)}),this.finishNode(e,\\\\"TSTupleType\\\\")}tsParseTupleElementType(){const{start:e,startLoc:t}=this.state,r=
this.eat(o.ellipsis);let n=this.tsParseType();const i=this.eat(o.question);if(this.eat(o.colon)){const
e=this.startNodeAtNode(n);e.optional=i,\\\\"TSTypeReference\\\\"!==(n.type||n.typeParameters||\\\\"Identifier\\\\"!==(n.t
ypeName.type?(this.raise(n.start,ae.InvalidTupleMemberLabel),e.label=n):e.label=n.typeName,e.elementType=this.
tsParseType()),n=this.finishNode(e,\\\\"TSNamedTupleMember\\\\")}else if(i){const
e=this.startNodeAtNode(n);e.typeAnnotation=n,n=this.finishNode(e,\\\\"TSOptionalType\\\\")}if(r){const
r=this.startNodeAt(e,t);r.typeAnnotation=n,n=this.finishNode(r,\\\\"TSRestType\\\\")}return
n}tsParseParenthesizedType(){const e=this.startNode();return
this.expect(o.parenL),e.typeAnnotation=this.tsParseType(),this.expect(o.parenR),this.finishNode(e,\\\\"TSParenthesi

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zedType\\")})tsParseFunctionOrConstructorType(e){const
t=this.startNode();return\\\\"TSConstructorType\\\\"===e&&this.expect(o._new),this.tsFillSignature(o.arrow,t),this.fi
nishNode(t,e)}tsParseLiteralTypeNode(){const e=this.startNode();return e.literal=()=>{switch(this.state.type){case
o.num:case o.bigint:case o.string:case o._true:case o._false:return this.parseExprAtom();default:throw
this.unexpected()}}),this.finishNode(e,\\\\"TSLiteralType\\\\"})tsParseTemplateLiteralType(){const
e=this.startNode();return
e.literal=this.parseTemplate(!1),this.finishNode(e,\\\\"TSLiteralType\\\\"})parseTemplateSubstitution(){return
this.state.inType?this.tsParseType():super.parseTemplateSubstitution()}tsParseThisTypeOrThisTypePredicate(){const
e=this.tsParseThisTypeNode();return
this.isContextual(\\\\"is\\\\")&&!this.hasPrecedingLineBreak()?this.tsParseThisTypePredicate(e):e}tsParseNonArrayType()
{switch(this.state.type){case o.name:case o._void:case o._null:{const
e=this.match(o._void)?\\\\"TSVoidKeyword\\\\":this.match(o._null)?\\\\"TSNullKeyword\\\\":function(e){switch(e){ca
se\\\\"any\\\\":return\\\\"TSAnyKeyword\\\\";case\\\\"boolean\\\\":return\\\\"TSBooleanKeyword\\\\";case\\\\"bigint\\\\":retur
n\\\\"TSBigIntKeyword\\\\";case\\\\"never\\\\":return\\\\"TSNeverKeyword\\\\";case\\\\"number\\\\":return\\\\"TSNumberKe
yword\\\\";case\\\\"object\\\\":return\\\\"TSObjectKeyword\\\\";case\\\\"string\\\\":return\\\\"TSStringKeyword\\\\";case\\\\"s
ymbol\\\\":return\\\\"TSSymbolKeyword\\\\";case\\\\"undefined\\\\":return\\\\"TSUndefinedKeyword\\\\";case\\\\"unknown
\\\\":return\\\\"TSUnknownKeyword\\\\";default:return}}(this.state.value);if(void
0!==e&&46!==this.lookaheadCharCode()){const t=this.startNode();return this.next(),this.finishNode(t,e)}return
this.tsParseTypeReference()}case o.string:case o.num:case o.bigint:case o._true:case o._false:return
this.tsParseLiteralTypeNode();case o.plusMin:if(\\\\"-\\\\"===this.state.value){const
e=this.startNode(),t=this.lookahead();if(t.type!==o.num&&t.type!==o.bigint)throw this.unexpected();return
e.literal=this.parseMaybeUnary(),this.finishNode(e,\\\\"TSLiteralType\\\\"})break;case o._this:return
this.tsParseThisTypeOrThisTypePredicate();case o._typeof:return this.tsParseTypeQuery();case o._import:return
this.tsParseImportType();case o.braceL:return
this.tsLookAhead(this.tsIsStartOfMappedType.bind(this))?this.tsParseMappedType():this.tsParseTypeLiteral();case
o.bracketL:return this.tsParseTupleType();case o.parenL:return this.tsParseParenthesizedType();case
o.backQuote:return this.tsParseTemplateLiteralType()}throw this.unexpected()}tsParseArrayTypeOrHigher(){let
e=this.tsParseNonArrayType();for(;!this.hasPrecedingLineBreak()&&this.eat(o.bracketL);)if(this.match(o.bracketR)
){const
t=this.startNodeAtNode(e);t.elementType=e,this.expect(o.bracketR),e=this.finishNode(t,\\\\"TSArrayType\\\\"})else{
const
t=this.startNodeAtNode(e);t.objectType=e,t.indexType=this.tsParseType(),this.expect(o.bracketR),e=this.finishNod
e(t,\\\\"TSIndexedAccessType\\\\"})return e}tsParseTypeOperator(e){const t=this.startNode();return
this.expectContextual(e),t.operator=e,t.typeAnnotation=this.tsParseTypeOperatorOrHigher(),\\\\"readonly\\\\"===e&
&this.tsCheckTypeAnnotationForReadOnly(t),this.finishNode(t,\\\\"TSTypeOperator\\\\"})tsCheckTypeAnnotationFor
ReadOnly(e){switch(e.typeAnnotation.type){case\\\\"TSTupleType\\\\":case\\\\"TSArrayType\\\\":return;default:this.r
aise(e.start,ae.UnexpectedReadOnly)}tsParseInferType(){const
e=this.startNode();this.expectContextual(\\\\"infer\\\\");const t=this.startNode();return
t.name=this.parseIdentifierName(t.start),e.typeParameter=this.finishNode(t,\\\\"TSTypeParameter\\\\"),this.finishNod
e(e,\\\\"TSInferType\\\\"})tsParseTypeOperatorOrHigher(){const
e=[\\\\"keyof\\\\" , \\\\"unique\\\\" , \\\\"readonly\\\\"].find(e=>this.isContextual(e));return
e?this.tsParseTypeOperator(e):this.isContextual(\\\\"infer\\\\")?this.tsParseInferType():this.tsParseArrayTypeOrHighe
r()}tsParseUnionOrIntersectionType(e,t,r){this.eat(r);let n=t();if(this.match(r)){const
i=[n];for(;this.eat(r);)i.push(t());const s=this.startNodeAtNode(n);s.types=i,n=this.finishNode(s,e)}return
n}tsParseIntersectionTypeOrHigher(){return
this.tsParseUnionOrIntersectionType(\\\\"TSIntersectionType\\\\" , this.tsParseTypeOperatorOrHigher.bind(this),o.bitwis
eAND)}tsParseUnionTypeOrHigher(){return
this.tsParseUnionOrIntersectionType(\\\\"TSUnionType\\\\" , this.tsParseIntersectionTypeOrHigher.bind(this),o.bitwis

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eOR})tsIsStartOfFunctionType(){return!!this.isRelational(\\<\\")||this.match(o.parenL)&&this.tsLookAhead(this.tsIsUnambiguouslyStartOfFunctionType.bind(this))}tsSkipParameterStart(){if(this.match(o.name)||this.match(o._this))return this.next(),!0;if(this.match(o.braceL)){let
e=1;for(this.next();e>0;)this.match(o.braceL)?++e:this.match(o.braceR)&&--
e,this.next();return!0}if(this.match(o.bracketL)){let
e=1;for(this.next();e>0;)this.match(o.bracketL)?++e:this.match(o.bracketR)&&--
e,this.next();return!0}return!1}tsIsUnambiguouslyStartOfFunctionType(){if(this.next(),this.match(o.parenR)||this.m
atch(o.ellipsis))return!0;if(this.tsSkipParameterStart()){if(this.match(o.colon)||this.match(o.comma)||this.match(o.qu
estion)||this.match(o.eq))return!0;if(this.match(o.parenR)&&(this.next(),this.match(o.arrow)))return!0}return!1}tsPa
rseTypeOrTypePredicateAnnotation(e){return this.tsInType(=>{const t=this.startNode();this.expect(e);const
r=!this.tsTryParse(this.tsParseTypePredicateAsserts.bind(this));if(r&&this.match(o._this)){let
e=this.tsParseThisTypeOrThisTypePredicate();if(\\"TSThisType\\"===e.type){const
r=this.startNodeAtNode(t);r.parameterName=e,r.asserts=!0,e=this.finishNode(r,\\"TSTypePredicate\\")}else
e.asserts=!0;return t.typeAnnotation=e,this.finishNode(t,\\"TSTypeAnnotation\\")}const
n=this.tsIsIdentifier()&&this.tsTryParse(this.tsParseTypePredicatePrefix.bind(this));if(!n){if(!r)return
this.tsParseTypeAnnotation(!1,t);const e=this.startNodeAtNode(t);return
e.parameterName=this.parseIdentifier(),e.asserts=r,t.typeAnnotation=this.finishNode(e,\\"TSTypePredicate\\"),this.
finishNode(t,\\"TSTypeAnnotation\\")}const i=this.tsParseTypeAnnotation(!1),s=this.startNodeAtNode(t);return
s.parameterName=n,s.typeAnnotation=i,s.asserts=r,t.typeAnnotation=this.finishNode(s,\\"TSTypePredicate\\"),this
.finishNode(t,\\"TSTypeAnnotation\\")}tsTryParseTypeOrTypePredicateAnnotation(){return
this.match(o.colon)?this.tsParseTypeOrTypePredicateAnnotation(o.colon):void
0}tsTryParseTypeAnnotation(){return this.match(o.colon)?this.tsParseTypeAnnotation():void
0}tsTryParseType(){return this.tsEatThenParseType(o.colon)}tsParseTypePredicatePrefix(){const
e=this.parseIdentifier();if(this.isContextual(\\"is\\")&&!this.hasPrecedingLineBreak())return
this.next(),e}tsParseTypePredicateAsserts(){if(!this.match(o.name)||\\"asserts\\"!===this.state.value||this.hasPrecedi
ngLineBreak())return!1;const e=this.state.containsEsc;return
this.next(),!(this.match(o.name)&&!this.match(o._this)&&(e&&this.raise(this.state.lastTokStart,y.InvalidEscaped
ReservedWord,\\"asserts\\"),!0)}tsParseTypeAnnotation(e=!0,t=this.startNode()){return
this.tsInType(=>{e&&this.expect(o.colon),t.typeAnnotation=this.tsParseType()}),this.finishNode(t,\\"TSTypeAn
notation\\")}tsParseType(){se(this.state.inType);const
e=this.tsParseNonConditionalType();if(this.hasPrecedingLineBreak()||this.eat(o._extends))return e;const
t=this.startNodeAtNode(e);return
t.checkType=e,t.extendsType=this.tsParseNonConditionalType(),this.expect(o.question),t.trueType=this.tsParseTyp
e(),this.expect(o.colon),t.falseType=this.tsParseType(),this.finishNode(t,\\"TSConditionalType\\")}tsParseNonCon
ditionalType(){return
this.tsIsStartOfFunctionType()?this.tsParseFunctionOrConstructorType(\\"TSFunctionType\\"):this.match(o._new)
?this.tsParseFunctionOrConstructorType(\\"TSConstructorType\\"):this.tsParseUnionTypeOrHigher()}tsParseType
Assertion(){const e=this.startNode(),t=this.tsTryNextParseConstantContext();return
e.typeAnnotation=t||this.tsNextThenParseType(),this.expectRelational(\\>\\"),e.expression=this.parseMaybeUnary
(),this.finishNode(e,\\"TSTypeAssertion\\")}tsParseHeritageClause(e){const
t=this.state.start,r=this.tsParseDelimitedList(\\"HeritageClauseElement\\",this.tsParseExpressionWithTypeArgume
nts.bind(this));return
r.length||this.raise(t,ae.EmptyHeritageClauseType,e),r}tsParseExpressionWithTypeArguments(){const
e=this.startNode();return
e.expression=this.tsParseEntityName(!1),this.isRelational(\\<\\")&&(e.typeParameters=this.tsParseTypeArgument
s()),this.finishNode(e,\\"TSExpressionWithTypeArguments\\")}tsParseInterfaceDeclaration(e){e.id=this.parseIdent
ifier(),this.checkLVal(e.id,130,void 0,\\"typescript interface
declaration\\"),e.typeParameters=this.tsTryParseTypeParameters(),this.eat(o._extends)&&(e.extends=this.tsParseH

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eritageClause(\\\\"extends\\\\"));const t=this.startNode();return
t.body=this.tsInType(this.tsParseObjectTypeMembers.bind(this)),e.body=this.finishNode(t,\\\\"TSInterfaceBody\\\\"),
this.finishNode(e,\\\\"TSInterfaceDeclaration\\\\"))tsParseTypeAliasDeclaration(e){return
e.id=this.parseIdentifier(),this.checkLVal(e.id,2,void 0,\\\\"typescript type
alias\\\\"),e.typeParameters=this.tsTryParseTypeParameters(),e.typeAnnotation=this.tsInType(=>{if(this.expect(o.e
q),this.isContextual(\\\\"intrinsic\\\\"))&&this.lookahead().type!==o.dot){const e=this.startNode();return
this.next(),this.finishNode(e,\\\\"TSIntrinsicKeyword\\\\")}return
this.tsParseType()}),this.semicolon(),this.finishNode(e,\\\\"TSTypeAliasDeclaration\\\\"))}tsInNoContext(e){const
t=this.state.context;this.state.context=[t[0]];try{return e()}finally{this.state.context=t}}tsInType(e){const
t=this.state.inType;this.state.inType=!0;try{return e()}finally{this.state.inType=t}}tsEatThenParseType(e){return
this.match(e)?this.tsNextThenParseType():void 0}tsExpectThenParseType(e){return
this.tsDoThenParseType(=>this.expect(e))}tsNextThenParseType(){return
this.tsDoThenParseType(=>this.next())}tsDoThenParseType(e){return
this.tsInType(=>(e,this.tsParseType()))}tsParseEnumMember(){const e=this.startNode();return
e.id=this.match(o.string)?this.parseExprAtom():this.parseIdentifier(!0),this.eat(o.eq)&&(e.initializer=this.parseMay
beAssignAllowIn()),this.finishNode(e,\\\\"TSEnumMember\\\\"))}tsParseEnumDeclaration(e,t){return
t&&(e.const=!0),e.id=this.parseIdentifier(),this.checkLVal(e.id,t?779:267,void 0,\\\\"typescript enum
declaration\\\\"),this.expect(o.braceL),e.members=this.tsParseDelimitedList(\\\\"EnumMembers\\\\"),this.tsParseEnum
Member.bind(this),this.expect(o.braceR),this.finishNode(e,\\\\"TSEnumDeclaration\\\\"))}tsParseModuleBlock(){con
st e=this.startNode();return
this.scope.enter(0),this.expect(o.braceL),this.parseBlockOrModuleBlockBody(e.body=[],void
0,!0,o.braceR),this.scope.exit(),this.finishNode(e,\\\\"TSModuleBlock\\\\"))}tsParseModuleOrNamespaceDeclaration(
e,t=!1){if(e.id=this.parseIdentifier(),t||this.checkLVal(e.id,1024,null,\\\\"module or namespace
declaration\\\\"),this.eat(o.dot)){const
t=this.startNode();this.tsParseModuleOrNamespaceDeclaration(t,!0),e.body=t}else
this.scope.enter(128),this.prodParam.enter(0),e.body=this.tsParseModuleBlock(),this.prodParam.exit(),this.scope.exi
t();return this.finishNode(e,\\\\"TSModuleDeclaration\\\\"))}tsParseAmbientExternalModuleDeclaration(e){return
this.isContextual(\\\\"global\\\\")?(e.global=!0,e.id=this.parseIdentifier()):this.match(o.string)?e.id=this.parseExprAto
m():this.unexpected(),this.match(o.braceL)?(this.scope.enter(128),this.prodParam.enter(0),e.body=this.tsParseModu
leBlock(),this.prodParam.exit(),this.scope.exit()):this.semicolon(),this.finishNode(e,\\\\"TSModuleDeclaration\\\\"))}ts
ParseImportEqualsDeclaration(e,t){return e.isExport=t?!1,e.id=this.parseIdentifier(),this.checkLVal(e.id,9,void
0,\\\\"import equals
declaration\\\\"),this.expect(o.eq),e.moduleReference=this.tsParseModuleReference(),this.semicolon(),this.finishNod
e(e,\\\\"TSImportEqualsDeclaration\\\\"))}tsIsExternalModuleReference(){return
this.isContextual(\\\\"require\\\\"))&&40===this.lookaheadCharCode()}tsParseModuleReference(){return
this.tsIsExternalModuleReference()?this.tsParseExternalModuleReference():this.tsParseEntityName(!1)}tsParseExte
rnalModuleReference(){const
e=this.startNode();if(this.expectContextual(\\\\"require\\\\"),this.expect(o.parenL,!this.match(o.string)))throw
this.unexpected();return
e.expression=this.parseExprAtom(),this.expect(o.parenR),this.finishNode(e,\\\\"TSExternalModuleReference\\\\"))}tsL
ookAhead(e){const t=this.state.clone(),r=e();return this.state=t,r}tsTryParseAndCatch(e){const
t=this.tryParse(t=>e)||t();if(!t.aborted&&t.node)return t.error&&(this.state=t.failState),t.node}tsTryParse(e){const
t=this.state.clone(),r=e();return void
0!==(r&&!1!==r?r:void(this.state=t))}tsTryParseDeclare(e){if(this.isLineTerminator())return;let
t,r=this.state.type;return
this.isContextual(\\\\"let\\\\"))&&(r=o._var,t=\\\\"let\\\\"),this.tsInDeclareContext(=>{switch(r){case o._function:return
e.declare=!0,this.parseFunctionStatement(e,!1,!0);case o._class:return e.declare=!0,this.parseClass(e,!0,!1);case
o._const;if(this.match(o._const)&&this.isLookaheadContextual(\\\\"enum\\\\"))return

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this.expect(o._const),this.expectContextual(\\\\"enum\\\\"),this.tsParseEnumDeclaration(e,!0);case o._var:return
t=t||this.state.value,this.parseVarStatement(e,t);case o.name:{const
t=this.state.value;return\\\\"global\\\\"===t?this.tsParseAmbientExternalModuleDeclaration(e):this.tsParseDeclaration
(e,t,!0)}}}tsTryParseExportDeclaration(){return
this.tsParseDeclaration(this.startNode(),this.state.value,!0)}tsParseExpressionStatement(e,t){switch(t.name){case\\\\"
declare\\\\":{const t=this.tsTryParseDeclare(e);if(t)return
t.declare=!0,t;break}case\\\\"global\\\\":if(this.match(o.braceL)){this.scope.enter(128),this.prodParam.enter(0);const
r=e;return
r.global=!0,r.id=t,r.body=this.tsParseModuleBlock(),this.scope.exit(),this.prodParam.exit(),this.finishNode(r,\\\\"TS
ModuleDeclaration\\\\"))}break;default:return
this.tsParseDeclaration(e,t.name,!1)}tsParseDeclaration(e,t,r){switch(t){case\\\\"abstract\\\\":if(this.tsCheckLineTer
minatorAndMatch(o._class,r)){const t=e;return
t.abstract=!0,r&&(this.next(),this.match(o._class)||this.unexpected(null,o._class)),this.parseClass(t,!0,!1)}break;case\\\\"
enum\\\\":if(r||this.match(o.name))return
r&&this.next(),this.tsParseEnumDeclaration(e,!1);break;case\\\\"interface\\\\":if(this.tsCheckLineTerminatorAndMatc
h(o.name,r))return
r&&this.next(),this.tsParseInterfaceDeclaration(e);break;case\\\\"module\\\\":if(r&&this.next(),this.match(o.string))ret
urn this.tsParseAmbientExternalModuleDeclaration(e);if(this.tsCheckLineTerminatorAndMatch(o.name,r))return
this.tsParseModuleOrNamespaceDeclaration(e);break;case\\\\"namespace\\\\":if(this.tsCheckLineTerminatorAndMatc
h(o.name,r))return
r&&this.next(),this.tsParseModuleOrNamespaceDeclaration(e);break;case\\\\"type\\\\":if(this.tsCheckLineTerminator
AndMatch(o.name,r))return
r&&this.next(),this.tsParseTypeAliasDeclaration(e)}tsCheckLineTerminatorAndMatch(e,t){return(t||this.match(e))
&&!this.isLineTerminator()}tsTryParseGenericAsyncArrowFunction(e,t){if(!this.isRelational(\\\\"<\\\\"))return;const
r=this.state.maybeInArrowParameters;this.state.maybeInArrowParameters=!0;const
n=this.tsTryParseAndCatch(()=>{const r=this.startNodeAt(e,t);return
r.typeParameters=this.tsParseTypeParameters(),super.parseFunctionParams(r),r.returnType=this.tsTryParseTypeOr
TypePredicateAnnotation(),this.expect(o.arrow),r});return
this.state.maybeInArrowParameters=r,n?this.parseArrowExpression(n,null,!0):void
0}tsParseTypeArguments(){const e=this.startNode();return
e.params=this.tsInType(()=>this.tsInNoContext(()=>(this.expectRelational(\\\\"<\\\\"),this.tsParseDelimitedList(\\\\"Ty
peParametersOrArguments\\\\"),this.tsParseType.bind(this))),0===e.params.length&&this.raise(e.start,ae.EmptyTyp
eArguments),this.state.exprAllowed=!1,this.expectRelational(\\\\">\\\\"),this.finishNode(e,\\\\"TSTypeParameterInstan
tiation\\\\"))}tsIsDeclarationStart(){if(this.match(o.name))switch(this.state.value){case\\\\"abstract\\\\":case\\\\"declare\\\\"
":case\\\\"enum\\\\":case\\\\"interface\\\\":case\\\\"module\\\\":case\\\\"namespace\\\\":case\\\\"type\\\\":return!0}return!1}isE
xportDefaultSpecifier(){return!this.tsIsDeclarationStart()&&super.isExportDefaultSpecifier()}parseAssignableListIt
em(e,t){const r=this.state.start,n=this.state.startLoc;let i,s=!1;void
0!==(e&&(i=this.parseAccessModifier(),s=!this.tsParseModifier([\\\\"readonly\\\\"]),!1===e&&(i|s)&&this.raise(r,ae
.UnexpectedParameterModifier));const a=this.parseMaybeDefault(),this.parseAssignableListItemTypes(a);const
o=this.parseMaybeDefault(a.start,a.loc.start,a);if(i|s){const e=this.startNodeAt(r,n);return
t.length&&(e.decorators=t),i&&(e.accessibility=i),s&&(e.readonly=s),\\\\"Identifier\\\\"!==(o.type&&\\\\"AssignmentP
attern\\\\"!==(o.type&&this.raise(e.start,ae.UnsupportedParameterPropertyKind),e.parameter=o,this.finishNode(e,\\\\"
TSParameterProperty\\\\"))}return
t.length&&(a.decorators=t),o}parseFunctionBodyAndFinish(e,t,r=!1){this.match(o.colon)&&(e.returnType=this.tsP
arseTypeOrTypePredicateAnnotation(o.colon));const
n=\\\\"FunctionDeclaration\\\\"===t?\\\\"TSDeclareFunction\\\\":\\\\"ClassMethod\\\\"===t?\\\\"TSDeclareMethod\\\\":voi
d
0;n&&!this.match(o.braceL)&&this.isLineTerminator()?this.finishNode(e,n):\\\\"TSDeclareFunction\\\\"===n&&this

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.state.isDeclareContext&&(this.raise(e.start,ae.DeclareFunctionHasImplementation),e.declare)?super.parseFunction
BodyAndFinish(e,n,r):super.parseFunctionBodyAndFinish(e,t,r)}registerFunctionStatementId(e){!e.body&&e.id?th
is.checkLVal(e.id,1024,null,\\\\"function
name\\"):super.registerFunctionStatementId(...arguments)}tsCheckForInvalidTypeCasts(e){e.forEach(e=>{\\\\"TST
ypeCastExpression\\\\"===e?void
0:e.type}&&this.raise(e.typeAnnotation.start,ae.UnexpectedTypeAnnotation))}toReferencedList(e,t){return
this.tsCheckForInvalidTypeCasts(e,e)}parseArrayLike(...e){const
t=super.parseArrayLike(...e);return\\\\"ArrayExpression\\\\"===t.type&&this.tsCheckForInvalidTypeCasts(t.elements
),t}parseSubscript(e,t,r,n,i){if(!this.hasPrecedingLineBreak()&&this.match(o.bang)){this.state.exprAllowed=!1,this
next();const n=this.startNodeAt(t,r);return
n.expression=e,this.finishNode(n,\\\\"TSNonNullExpression\\\\"))if(this.isRelational(\\\\"<\\\\")){const
s=this.tsTryParseAndCatch(=>{if(!n&&this.atPossibleAsyncArrow(e)){const
e=this.tsTryParseGenericAsyncArrowFunction(t,r);if(e)return e}const s=this.startNodeAt(t,r);s.callee=e;const
a=this.tsParseTypeArguments();if(a){if(!n&&this.eat(o.parenL))return
s.arguments=this.parseCallExpressionArguments(o.parenR,!1),this.tsCheckForInvalidTypeCasts(s.arguments),s.typ
eParameters=a,this.finishCallExpression(s,i.optionalChainMember);if(this.match(o.backQuote)){const
n=this.parseTaggedTemplateExpression(e,t,r,i);return n.typeParameters=a,n}}this.unexpected());if(s)return
s}return super.parseSubscript(e,t,r,n,i)}parseNewArguments(e){if(this.isRelational(\\\\"<\\\\")){const
t=this.tsTryParseAndCatch(=>{const e=this.tsParseTypeArguments();return
this.match(o.parenL)||this.unexpected(),e)};t&&(e.typeParameters=t)}super.parseNewArguments(e)}parseExprOp(e
,t,r,n){if(ie(o._in.binop)>n&&!this.hasPrecedingLineBreak()&&this.isContextual(\\\\"as\\\\")){const
i=this.startNodeAt(t,r);i.expression=e;const s=this.tsTryNextParseConstantContext();return
i.typeAnnotation=s||this.tsNextThenParseType(),this.finishNode(i,\\\\"TSAsExpression\\\\"),this.reScan_It_gt(),this.pa
rseExprOp(i,t,r,n)}return
super.parseExprOp(e,t,r,n)}checkReservedWord(e,t,r,n){}checkDuplicateExports(){}parseImport(e){if(this.match(o
.name)||this.match(o.star)||this.match(o.braceL)){const
t=this.lookahead();if(this.match(o.name)&&t.type===o.eq)return
this.tsParseImportEqualsDeclaration(e);!this.isContextual(\\\\"type\\\\")||t.type===o.comma||t.type===o.name&&\\\\"fr
om\\\\"===t.value||(e.importKind=\\\\"type\\\\" ,this.next())e.importKind||(e.importKind=\\\\"value\\\\" );const
t=super.parseImport(e);return\\\\"type\\\\"===t.importKind&&t.specifiers.length>1&&\\\\"ImportDefaultSpecifier\\\\"=
==t.specifiers[0].type&&this.raise(t.start,\\\\"A type-only import can specify a default import or named bindings, but
not both.\\\\"),t}parseExport(e){if(this.match(o._import))return
this.expect(o._import),this.tsParseImportEqualsDeclaration(e,!0);if(this.eat(o.eq)){const t=e;return
t.expression=this.parseExpression(),this.semicolon(),this.finishNode(t,\\\\"TSExportAssignment\\\\"))if(this.eatConte
xtual(\\\\"as\\\\")){const t=e;return
this.expectContextual(\\\\"namespace\\\\"),t.id=this.parseIdentifier(),this.semicolon(),this.finishNode(t,\\\\"TSNamespa
ceExportDeclaration\\\\" )}return
this.isContextual(\\\\"type\\\\" )&&this.lookahead().type===o.braceL?(this.next(),e.exportKind=\\\\"type\\\\" ):e.exportK
ind=\\\\"value\\\\" ,super.parseExport(e)}isAbstractClass(){return
this.isContextual(\\\\"abstract\\\\" )&&this.lookahead().type===o._class}parseExportDefaultExpression(){if(this.isAbs
tractClass()){const e=this.startNode();return
this.next(),this.parseClass(e,!0,!0),e.abstract=!0,e}if(\\\\"interface\\\\"===this.state.value){const
e=this.tsParseDeclaration(this.startNode(),this.state.value,!0);if(e)return e}return
super.parseExportDefaultExpression()}parseStatementContent(e,t){if(this.state.type===o._const){const
e=this.lookahead();if(e.type===o.name&&\\\\"enum\\\\"===e.value){const e=this.startNode();return
this.expect(o._const),this.expectContextual(\\\\"enum\\\\" ),this.tsParseEnumDeclaration(e,!0)}return
super.parseStatementContent(e,t)}parseAccessModifier(){return
this.tsParseModifier([\\\\"public\\\\" ,\\\\"protected\\\\" ,\\\\"private\\\\" ])}parseClassMember(e,t,r){this.tsParseModifiers(t,

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[\\\\"declare\\\\"]);const
n=this.parseAccessModifier();n&&(t.accessibility=n),this.tsParseModifiers(t,[\\\\"declare\\\\"]);const
i=(o=>{super.parseClassMember(e,t,r)};t.declare?this.tsInDeclareContext(i:i)}parseClassMemberWithIsStatic(e,t,r,n){this.tsParseModifiers(t,[\\\\"abstract\\\\"],[\\\\"readonly\\\\"],[\\\\"declare\\\\"]);const
i=this.tsTryParseIndexSignature(t);if(i)return
e.body.push(i),t.abstract&&this.raise(t.start,ae.IndexSignatureHasAbstract),n&&this.raise(t.start,ae.IndexSignature
HasStatic),t.accessibility&&this.raise(t.start,ae.IndexSignatureHasAccessibility,t.accessibility),void(t.declare&&this
.raise(t.start,ae.IndexSignatureHasDeclare));super.parseClassMemberWithIsStatic(e,t,r,n)}parsePostMemberName
Modifiers(e){this.eat(o.question)&&(e.optional=!0),e.readonly&&this.match(o.parenL)&&this.raise(e.start,ae.Class
MethodHasReadonly),e.declare&&this.match(o.parenL)&&this.raise(e.start,ae.ClassMethodHasDeclare)}parseExpr
essionStatement(e,t){return(\\\\"Identifier\\\\"===t.type?this.tsParseExpressionStatement(e,t):void
0)||super.parseExpressionStatement(e,t)}shouldParseExportDeclaration(){return!this.tsIsDeclarationStart()}should
ouldParseExportDeclaration()}parseConditional(e,t,r,n){if(!n||!this.match(o.question))return
super.parseConditional(e,t,r,n);const i=this.tryParse(o=>super.parseConditional(e,t,r));return
i.node?(i.error&&(this.state=i.failState),i.node):(n.start=i.error.pos||this.state.start,e)}parseParenItem(e,t,r){if(e=sup
er.parseParenItem(e,t,r),this.eat(o.question)&&(e.optional=!0,this.resetEndLocation(e)),this.match(o.colon)){const
n=this.startNodeAt(t,r);return
n.expression=e,n.typeAnnotation=this.tsParseTypeAnnotation(),this.finishNode(n,\\\\"TSTypeCastExpression\\\\"))re
turn e}parseExportDeclaration(e){const t=this.state.start,r=this.state.startLoc,n=this.eatContextual(\\\\"declare\\\\"");let
i;return
this.match(o.name)&&(i=this.tsTryParseExportDeclaration()),i||(i=super.parseExportDeclaration(e)),i&&(\\\\"TSInte
rfaceDeclaration\\\\"===i.type||\\\\"TSTypeAliasDeclaration\\\\"===i.type||n)&&(e.exportKind=\\\\"type\\\\"),i&&n&&(
this.resetStartLocation(i,t,r),i.declare=!0,i)}parseClassId(e,t,r){if(!t||r)&&this.isContextual(\\\\"implements\\\\"))retur
n;super.parseClassId(e,t,r,e.declare?1024:139);const
n=this.tsTryParseTypeParameters();n&&(e.typeParameters=n)}parseClassPropertyAnnotation(e){!e.optional&&this
.eat(o.bang)&&(e.definite=!0);const
t=this.tsTryParseTypeAnnotation();t&&(e.typeAnnotation=t)}parseClassProperty(e){return
this.parseClassPropertyAnnotation(e),this.state.isDeclareContext&&this.match(o.eq)&&this.raise(this.state.start,ae.
DeclareClassFieldHasInitializer),super.parseClassProperty(e)}parseClassPrivateProperty(e){return
e.abstract&&this.raise(e.start,ae.PrivateElementHasAbstract),e.accessibility&&this.raise(e.start,ae.PrivateElementH
asAccessibility,e.accessibility),this.parseClassPropertyAnnotation(e),super.parseClassPrivateProperty(e)}pushClass
Method(e,t,r,n,i,s){const
a=this.tsTryParseTypeParameters();a&&i&&this.raise(a.start,ae.ConstructorHasTypeParameters),a&&(t.typeParam
eters=a),super.pushClassMethod(e,t,r,n,i,s)}pushClassPrivateMethod(e,t,r,n){const
i=this.tsTryParseTypeParameters();i&&(t.typeParameters=i),super.pushClassPrivateMethod(e,t,r,n)}parseClassSupe
r(e){super.parseClassSuper(e),e.superClass&&this.isRelational(\\\\"<\\\\")&&(e.superTypeParameters=this.tsParseTy
peArguments()),this.eatContextual(\\\\"implements\\\\")&&(e.implements=this.tsParseHeritageClause(\\\\"implements\\
\\\\"))}parseObjPropValue(e,...t){const
r=this.tsTryParseTypeParameters();r&&(e.typeParameters=r),super.parseObjPropValue(e,...t)}parseFunctionParams
(e,t){const
r=this.tsTryParseTypeParameters();r&&(e.typeParameters=r),super.parseFunctionParams(e,t)}parseVarId(e,t){super
.parseVarId(e,t),\\\\"Identifier\\\\"===e.id.type&&this.eat(o.bang)&&(e.definite=!0);const
r=this.tsTryParseTypeAnnotation();r&&(e.id.typeAnnotation=r,this.resetEndLocation(e.id))}parseAsyncArrowFro
mCallExpression(e,t){return
this.match(o.colon)&&(e.returnType=this.tsParseTypeAnnotation()),super.parseAsyncArrowFromCallExpression(e,
t)}parseMaybeAssign(...e){var t,r,n,i,s,a,l;let
c,p,u,d;if(this.match(o.jsxTagStart)){if(c=this.state.clone(),p=this.tryParse(o=>super.parseMaybeAssign(...e),c),!p.e
rror)return p.node;const {context:t}=this.state;t[t.length-1]===g.j_oTag?t.length-=2:t.length-

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l]=g.j_expr&&(t.length-1)}if(!(null==(t=p)?void 0:t.error)&&!this.isRelational(\\\\"<\\\\"))return
super.parseMaybeAssign(...e);c=c||this.state.clone();const h=this.tryParse(t=>{ var
r;d=this.tsParseTypeParameters();const
n=super.parseMaybeAssign(...e);return(\\\\"ArrowFunctionExpression\\\\"!==(n.type||n.extra&&n.extra.parenthesized)
&&t(),0!==(null==(r=d)?void
0:r.params.length)&&this.resetStartLocationFromNode(n,d),n.typeParameters=d,n},c);if(!h.error&&!h.aborted)retur
n
h.node;if(!p&&(se(!this.hasPlugin(\\\\"jsx\\\\")),u=this.tryParse(=>super.parseMaybeAssign(...e),c,!u.error))return
u.node;if(null==(r=p)?void 0:r.node)return this.state=p.failState,p.node;if(h.node)return
this.state=h.failState,h.node;if(null==(n=u)?void 0:n.node)return this.state=u.failState,u.node;if(null==(i=p)?void
0:i.thrown)throw p.error;if(h.thrown)throw h.error;if(null==(s=u)?void 0:s.thrown)throw
u.error;throw(null==(a=p)?void 0:a.error)||h.error|(null==(l=u)?void
0:l.error)}parseMaybeUnary(e){return!this.hasPlugin(\\\\"jsx\\\\")&&this.isRelational(\\\\"<\\\\")?this.tsParseTypeAsser
tion():super.parseMaybeUnary(e)}parseArrow(e){if(this.match(o.colon)){const t=this.tryParse(e=>{const
t=this.tsParseTypeOrTypePredicateAnnotation(o.colon);return!this.canInsertSemicolon()&&this.match(o.arrow)||e()
,t)};if(t.aborted)return;t.throw||(t.error&&(this.state=t.failState),e.returnType=t.node)}return
super.parseArrow(e)}parseAssignableListItemTypes(e){this.eat(o.question)&&(\\\\"Identifier\\\\"===e.type||this.state.
isDeclareContext||this.state.inType||this.raise(e.start,ae.PatternIsOptional),e.optional=!0);const
t=this.tsTryParseTypeAnnotation();return
t&&(e.typeAnnotation=t),this.resetEndLocation(e,e)}toAssignable(e){switch(e.type){case\\\\"TSTypeCastExpressio
n\\\\":return super.toAssignable(this.typeCastToParameter(e));case\\\\"TSPParameterProperty\\\\":return
super.toAssignable(e);case\\\\"TSAExpression\\\\":case\\\\"TSNonNullExpression\\\\":case\\\\"TSTypeAssertion\\\\":retu
rn e.expression=this.toAssignable(e.expression),e;default:return
super.toAssignable(e)}checkLVal(e,t=64,r,n){switch(e.type){case\\\\"TSTypeCastExpression\\\\":return;case\\\\"TSP
arameterProperty\\\\":return void this.checkLVal(e.parameter,t,r,\\\\"parameter
property\\\\"");case\\\\"TSAExpression\\\\":case\\\\"TSNonNullExpression\\\\":case\\\\"TSTypeAssertion\\\\":return void
this.checkLVal(e.expression,t,r,n);default:return void
super.checkLVal(e,t,r,n)}parseBindingAtom(){switch(this.state.type){case o._this:return
this.parseIdentifier(!0);default:return
super.parseBindingAtom()}}parseMaybeDecoratorArguments(e){if(this.isRelational(\\\\"<\\\\")){const
t=this.tsParseTypeArguments();if(this.match(o.parenL)){const r=super.parseMaybeDecoratorArguments(e);return
r.typeParameters=t,r}this.unexpected(this.state.start,o.parenL)}return
super.parseMaybeDecoratorArguments(e)}isClassMethod(){return
this.isRelational(\\\\"<\\\\")||super.isClassMethod()}}isClassProperty(){return
this.match(o.bang)||this.match(o.colon)||super.isClassProperty()}}parseMaybeDefault(...e){const
t=super.parseMaybeDefault(...e);return\\\\"AssignmentPattern\\\\"===t.type&&t.typeAnnotation&&t.right.start<t.type
Annotation.start&&this.raise(t.typeAnnotation.start,ae.TypeAnnotationAfterAssign,t)}getTokenFromCode(e){retur
n!this.state.inType||62!==(e&&62!==(e?super.getTokenFromCode(e):this.finishOp(o.relational,1))reScan_lt_gt){if(t
his.match(o.relational)){const e=this.input.charCodeAtAt(this.state.start);60!==(e&&62!==(e||this.state.pos-
=1,this.readToken_lt_gt(e))}}toAssignableList(e){for(let t=0;t<e.length;t++){const
r=e[t];if(r)switch(r.type){case\\\\"TSTypeCastExpression\\\\":e[t]=this.typeCastToParameter(r);break;case\\\\"TSAEx
pression\\\\":case\\\\"TSTypeAssertion\\\\":this.state.maybeInArrowParameters?this.raise(r.start,ae.UnexpectedTypeCa
stInParameter):e[t]=this.typeCastToParameter(r)}return
super.toAssignableList(...arguments)}typeCastToParameter(e){return
e.expression.typeAnnotation=e.typeAnnotation,this.resetEndLocation(e.expression,e.typeAnnotation.end,e.typeAnn
otation.loc.end),e.expression}shouldParseArrow(){return
this.match(o.colon)||super.shouldParseArrow()}shouldParseAsyncArrow(){return
this.match(o.colon)||super.shouldParseAsyncArrow()}canHaveLeadingDecorator(){return

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```

super.canHaveLeadingDecorator()||this.isAbstractClass())jsxParseOpeningElementAfterName(e){if(this.isRelationa
l(\\<\\>))){const t=this.tsTryParseAndCatch(=>this.tsParseTypeArguments());t&&(e.typeParameters=t)}return
super.jsxParseOpeningElementAfterName(e)}getGetterSetterExpectedParamCount(e){const
t=super.getGetterSetterExpectedParamCount(e),r=e.params[0];return
r&&\\"Identifier\\"===r.type&&\\"this\\"===r.name?t+1:t}parseCatchClauseParam(){const
e=super.parseCatchClauseParam(),t=this.tsTryParseTypeAnnotation();return
t&&(e.typeAnnotation=t,this.resetEndLocation(e)),e}tsInDeclareContext(e){const
t=this.state.isDeclareContext;this.state.isDeclareContext=!0;try{return
e()}finally{this.state.isDeclareContext=t}},v8intrinsic:e=>class extends
e{parseV8Intrinsic(){if(this.match(o.modulo)){const
e=this.state.start,t=this.startNode();if(this.eat(o.modulo),this.match(o.name)){const
e=this.parseIdentifierName(this.state.start),r=this.createIdentifier(t,e);if(r.type=\\"V8IntrinsicIdentifier\\",this.matc
h(o.parenL))return r}this.unexpected(e)}parseExprAtom(){return
this.parseV8Intrinsic()||super.parseExprAtom(...arguments)},placeholders:e=>class extends
e{parsePlaceholder(e){if(this.match(o.placeholder)){const t=this.startNode();return
this.next(),this.assertNoSpace(\\"Unexpected space in
placeholder.\\"),t.name=super.parseIdentifier(!0),this.assertNoSpace(\\"Unexpected space in
placeholder.\\"),this.expect(o.placeholder),this.finishPlaceholder(t,e)}finishPlaceholder(e,t){const
r=!(!e.expectedNode||\\"Placeholder\\"!==e.type);return
e.expectedNode=t,r?e:this.finishNode(e,\\"Placeholder\\")}getTokenFromCode(e){return
37===e&&37===this.input.charCodeAtAt(this.state.pos+1)?this.finishOp(o.placeholder,2):super.getTokenFromCode(
...arguments)}parseExprAtom(){return
this.parsePlaceholder(\\"Expression\\")||super.parseExprAtom(...arguments)}parseIdentifier(){return
this.parsePlaceholder(\\"Identifier\\")||super.parseIdentifier(...arguments)}checkReservedWord(e){void
0!==e&&super.checkReservedWord(...arguments)}parseBindingAtom(){return
this.parsePlaceholder(\\"Pattern\\")||super.parseBindingAtom(...arguments)}checkLVal(e){\\"Placeholder\\"!==e.t
ype&&super.checkLVal(...arguments)}toAssignable(e){return
e&&\\"Placeholder\\"===e.type&&\\"Expression\\"===e.expectedNode?(e.expectedNode=\\"Pattern\\",e):super.
toAssignable(...arguments)}verifyBreakContinue(e){e.label&&\\"Placeholder\\"===e.label.type||super.verifyBreak
Continue(...arguments)}parseExpressionStatement(e,t){if(\\"Placeholder\\"!==t.type||t.extra&&t.extra.parenthesize
d)return super.parseExpressionStatement(...arguments);if(this.match(o.colon)){const r=e;return
r.label=this.finishPlaceholder(t,\\"Identifier\\"),this.next(),r.body=this.parseStatement(\\"label\\"),this.finishNode(
r,\\"LabeledStatement\\")}return
this.semicolon(),e.name=t.name,this.finishPlaceholder(e,\\"Statement\\")}parseBlock(){return
this.parsePlaceholder(\\"BlockStatement\\")||super.parseBlock(...arguments)}parseFunctionId(){return
this.parsePlaceholder(\\"Identifier\\")||super.parseFunctionId(...arguments)}parseClass(e,t,r){const
n=t?\\"ClassDeclaration\\":\\"ClassExpression\\";this.next(),this.takeDecorators(e);const
i=this.state.strict,s=this.parsePlaceholder(\\"Identifier\\");if(s)if(this.match(o._extends)||this.match(o.placeholder)||t
his.match(o.braceL))e.id=s;else{if(r)!return
e.id=null,e.body=this.finishPlaceholder(s,\\"ClassBody\\"),this.finishNode(e,n);this.unexpected(null,\\"A class
name is required\\")}else this.parseClassId(e,t,r);return
this.parseClassSuper(e),e.body=this.parsePlaceholder(\\"ClassBody\\")||this.parseClassBody(!e.superClass,i),this.f
inishNode(e,n)}parseExport(e){const t=this.parsePlaceholder(\\"Identifier\\");if(!t)return
super.parseExport(...arguments);if(!this.isContextual(\\"from\\")&&!this.match(o.comma))return
e.specifiers=[],e.source=null,e.declaration=this.finishPlaceholder(t,\\"Declaration\\"),this.finishNode(e,\\"ExportN
amedDeclaration\\");this.expectPlugin(\\"exportDefaultFrom\\");const r=this.startNode();return
r.exported=t,e.specifiers=[this.finishNode(r,\\"ExportDefaultSpecifier\\")],super.parseExport(e)}isExportDefaultSp
ecifier(){if(this.match(o._default)){const

```



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e=this.nextTokenStart();if(this.isUnparsedContextual(e,\\\\"from\\\\"))&&this.input.startsWith(o.placeholder.label,this.
nextTokenStartSince(e+4)))return!0}return
super.isExportDefaultSpecifier())maybeParseExportDefaultSpecifier(e){return!!(e.specifiers&&e.specifiers.length>
0)||super.maybeParseExportDefaultSpecifier(...arguments)}checkExport(e){const{specifiers:t}=e;(null==t?void
0:t.length)&&(e.specifiers=t.filter(e=>\\\\"Placeholder\\\\"===e.exported.type)),super.checkExport(e),e.specifiers=t}p
arseImport(e){const t=this.parsePlaceholder(\\\\"Identifier\\\\"");if(!t)return
super.parseImport(...arguments);if(e.specifiers=[],!this.isContextual(\\\\"from\\\\"))&&!this.match(o.comma))return
e.source=this.finishPlaceholder(t,\\\\"StringLiteral\\\\"),this.semicolon(),this.finishNode(e,\\\\"ImportDeclaration\\\\"");c
onst
r=this.startNodeAtNode(t);if(r.local=t,this.finishNode(r,\\\\"ImportDefaultSpecifier\\\\""),e.specifiers.push(r),this.eat(o.
comma)){this.maybeParseStarImportSpecifier(e)||this.parseNamedImportSpecifiers(e)}return
this.expectContextual(\\\\"from\\\\"),e.source=this.parseImportSource(),this.semicolon(),this.finishNode(e,\\\\"ImportD
eclaration\\\\"")}parseImportSource(){return
this.parsePlaceholder(\\\\"StringLiteral\\\\")||super.parseImportSource(...arguments)}}},de=Object.keys(ue),he={sourc
eType:\\\\"script\\\\"},sourceFilename:void
0,startLine:1,allowAwaitOutsideFunction:!1,allowReturnOutsideFunction:!1,allowImportExportEverywhere:!1,allo
wSuperOutsideMethod:!1,allowUndeclaredExports:!1,plugins:[],strictMode:null,ranges:!1,tokens:!1,createParenthes
izedExpressions:!1,errorRecovery:!1};class fe{constructor(){this.strict=void 0,this.curLine=void
0,this.startLoc=void 0,this.endLoc=void 0,this.errors=[],this.potentialArrowAt=-
1,this.noArrowAt=[],this.noArrowParamsConversionAt=[],this.maybeInArrowParameters=!1,this.inPipeline=!1,this
.inType=!1,this.noAnonFunctionType=!1,this.inPropertyName=!1,this.hasFlowComment=!1,this.isIterator=!1,this.i
sDeclareContext=!1,this.topicContext={maxNumOfResolvableTopics:0,maxTopicIndex:null},this.soloAwait=!1,this
s.inFSharpPipelineDirectBody=!1,this.labels=[],this.decoratorStack=[[]],this.comments=[],this.trailingComments=[]
,this.leadingComments=[],this.commentStack=[],this.commentPreviousNode=null,this.pos=0,this.lineStart=0,this.ty
pe=o.eof,this.value=null,this.start=0,this.end=0,this.lastTokEndLoc=null,this.lastTokStartLoc=null,this.lastTokStart
=0,this.lastTokEnd=0,this.context=[g.braceStatement],this.exprAllowed=!0,this.containsEsc=!1,this.octalPositions=
[],this.exportedIdentifiers=[],this.tokensLength=0}init(e){this.strict=!1!==e.strictMode&&\\\\"module\\\\"===e.sourc
eType,this.curLine=e.startLine,this.startLoc=this.endLoc=this.curPosition()}curPosition(){return new
h(this.curLine,this.pos-this.lineStart)}clone(e){const t=new fe,r=Object.keys(this);for(let
n=0,i=r.length;n<i;n++){const i=r[n];let s=this[i];!e&&Array.isArray(s)&&(s=s.slice()),t[i]=s}return t}}var
me=function(e){return e>=48&&e<=57};const ye=new
Set([\\\\"g\\\\",\\\\"m\\\\",\\\\"s\\\\",\\\\"i\\\\",\\\\"y\\\\",\\\\"u\\\\"]),Te={decBinOct:[46,66,69,79,95,98,101,111],hex:[46,88,95,1
20]},be={bin:[48,49]},be.oct=[...be.bin,50,51,52,53,54,55],be.dec=[...be.oct,56,57],be.hex=[...be.dec,65,66,67,68,69
,70,97,98,99,100,101,102];class
ge{constructor(e){this.type=e.type,this.value=e.value,this.start=e.start,this.end=e.end,this.loc=new
f(e.startLoc,e.endLoc)}}class Se{constructor(){this.shorthandAssign=-1,this.doubleProto=-1}}class
xe{constructor(e,t,r){this.type=void 0,this.start=void 0,this.end=void 0,this.loc=void 0,this.range=void
0,this.leadingComments=void 0,this.trailingComments=void 0,this.innerComments=void 0,this.extra=void
0,this.type=\\\\"\\\\"},this.start=t,this.end=0,this.loc=new f(r),(null==e?void
0:e.options.ranges)&&(this.range=[t,0]),(null==e?void
0:e.filename)&&(this.loc.filename=e.filename)}__clone(){const e=new xe,t=Object.keys(this);for(let
r=0,n=t.length;r<n;r++){const
n=t[r];\\\\"leadingComments\\\\"!==n&&\\\\"trailingComments\\\\"!==n&&\\\\"innerComments\\\\"!==n&&(e[n]=this[n]
)}return e}}const Ee=e=>\\\\"ParenthesizedExpression\\\\"===e.type?Ee(e.expression):e;class
Pe{constructor(e=0){this.type=void 0,this.type=e}canBeArrowParameterDeclaration(){return
2===this.type||1===this.type}isCertainlyParameterDeclaration(){return 3===this.type}}class ve extends
Pe{constructor(e){super(e),this.errors=new
Map}recordDeclarationError(e,t){this.errors.set(e,t)}clearDeclarationError(e){this.errors.delete(e)}iterateErrors(e){t

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his.errors.forEach(e)} }class Ae{ constructor(e){ this.stack=[new
Pe],this.raise=e}enter(e){ this.stack.push(e)}exit(){ this.stack.pop()}recordParameterInitializerError(e,t){ const{ stack:
r}=this;let n=r.length-
1,i=r[n];for(;!i.isCertainlyParameterDeclaration());if(!i.canBeArrowParameterDeclaration())return;i.recordDeclarat
ionError(e,t),i=r[--n]}this.raise(e,t)}recordAsyncArrowParametersError(e,t){ const{ stack:r}=this;let n=r.length-
1,i=r[n];for(;i.canBeArrowParameterDeclaration());2===i.type&&i.recordDeclarationError(e,t),i=r[--
n]}validateAsPattern(){ const{ stack:e}=this,t=e[e.length-
1];t.canBeArrowParameterDeclaration()&&t.iterateErrors((t,r)=>{ this.raise(r,t);let n=e.length-
2,i=e[n];for(;i.canBeArrowParameterDeclaration());i.clearDeclarationError(r),i=e[--n]}} }function we(){return new
Pe}const Oe={kind:"loop"},Ie={kind:"switch"},Ce=/[\\uD800-\\uDFFF]/u;class
Ne{ constructor(){ this.privateNames=new Set,this.loneAccessors=new Map,this.undefinedPrivateNames=new
Map} }class ke{ constructor(e){ this.stack=[],this.undefinedPrivateNames=new Map,this.raise=e}current(){ return
this.stack[this.stack.length-1]}enter(){ this.stack.push(new Ne)}exit(){ const e=this.stack.pop(),t=this.current();for(let
r=0,n=Array.from(e.undefinedPrivateNames);r<n.length;r++){ const[e,i]=n[r];t?t.undefinedPrivateNames.has(e)||t.un
definedPrivateNames.set(e,i):this.raise(i,y.InvalidPrivateFieldResolution,e)} }declarePrivateName(e,t,r){ const
n=this.current();let i=n.privateNames.has(e);if(3&t){ const r=i&&n.loneAccessors.get(e);if(r){ const
s=4&r,a=4&t;i=(3&r)===(3&t)||s!==a,i||n.loneAccessors.delete(e)}else
i||n.loneAccessors.set(e,t)}i&&this.raise(r,y.PrivateNameRedeclaration,e),n.privateNames.add(e),n.undefinedPrivate
Names.delete(e)}usePrivateName(e,t){ let r;for(let
t=0,n=this.stack;t<n.length;t++)if(r=n[t],r.privateNames.has(e))return;r?r.undefinedPrivateNames.set(e,t):this.raise(t
,y.InvalidPrivateFieldResolution,e)} }class De extends class extends class extends class extends class extends class
extends class extends class extends class extends class extends class extends class extends class extends class
class{ constructor(){ this.sawUnambiguousESM=!1,this.ambiguousScriptDifferentAst=!1}hasPlugin(e){ return
this.plugins.has(e)}getPluginOption(e,t){ if(this.hasPlugin(e))return
this.plugins.get(e)[t]} }addComment(e){ this.filename&&(e.loc.filename=this.filename),this.state.trailingComments
.push(e),this.state.leadingComments.push(e)}adjustCommentsAfterTrailingComma(e,t,r){ if(0===this.state.leadingC
omments.length)return;let n=null,i=t.length;for(;null===n&&i>0;n=t[--i];if(null===n)return;for(let
e=0;e<this.state.leadingComments.length;e++)this.state.leadingComments[e].end<this.state.commentPreviousNode.
end&&(this.state.leadingComments.splice(e,1),e--);const s=[];for(let
t=0;t<this.state.leadingComments.length;t++){ const
n=this.state.leadingComments[t];n.end<e.end?(s.push(n),r||(this.state.leadingComments.splice(t,1),t--):(void
0===e.trailingComments&&(e.trailingComments=[]),e.trailingComments.push(n))}r&&(this.state.leadingComment
s=[]),s.length>0?n.trailingComments=s:void
0!==(n.trailingComments&&(n.trailingComments=[]))}processComment(e){ if("Program"===e.type&&e.body.le
ngth>0)return;const t=this.state.commentStack;let
r,n,i,s,a;if(this.state.trailingComments.length>0)this.state.trailingComments[0].start>=e.end?(i=this.state.trailingCo
mments,this.state.trailingComments=[]):this.state.trailingComments.length=0;else if(t.length>0){ const
r=m(t);r.trailingComments&&r.trailingComments[0].start>=e.end&&(i=r.trailingComments,delete
r.trailingComments)}for(t.length>0&&m(t).start>=e.start&&(r=t.pop());t.length>0&&m(t).start>=e.start;n=t.pop();
if(!n&&r&&(n=r),r)switch(e.type){ case"ObjectExpression":this.adjustCommentsAfterTrailingComma(e,e.prop
erties);break;case"ObjectPattern":this.adjustCommentsAfterTrailingComma(e,e.properties,!0);break;case"Call
Expression":this.adjustCommentsAfterTrailingComma(e,e.arguments);break;case"ArrayExpression":this.adju
stCommentsAfterTrailingComma(e,e.elements);break;case"ArrayPattern":this.adjustCommentsAfterTrailingCo
mma(e,e.elements,!0)}else
this.state.commentPreviousNode&&(("ImportSpecifier"===this.state.commentPreviousNode.type&&"ImportS
pecifier"!==e.type||"ExportSpecifier"===this.state.commentPreviousNode.type&&"ExportSpecifier"!==e.
type)&&this.adjustCommentsAfterTrailingComma(e,[this.state.commentPreviousNode]));if(n){ if(n.leadingCommen
ts)if(n!==e&&n.leadingComments.length>0&&m(n.leadingComments).end<=e.start)e.leadingComments=n.leading

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```

Comments,delete n.leadingComments;else for(s=n.leadingComments.length-2;s>=0;--
s)if(n.leadingComments[s].end<=e.start){e.leadingComments=n.leadingComments.splice(0,s+1);break } }else
if(this.state.leadingComments.length>0)if(m(this.state.leadingComments).end<=e.start){ if(this.state.commentPrevio
usNode)for(a=0;a<this.state.leadingComments.length;a++)this.state.leadingComments[a].end<this.state.commentPr
viousNode.end&&(this.state.leadingComments.splice(a,1),a--
);this.state.leadingComments.length>0&&(e.leadingComments=this.state.leadingComments,this.state.leadingComm
ents=[])}else{ for(s=0;s<this.state.leadingComments.length&&!(this.state.leadingComments[s].end>e.start);s++);co
nst
t=this.state.leadingComments.slice(0,s);t.length&&(e.leadingComments=t),i=this.state.leadingComments.slice(s),0=
=i.length&&(i=null)}if(this.state.commentPreviousNode=e,i)if(i.length&&i[0].start>=e.start&&m(i).end<=e.end)e
.innerComments=i;else{ const
t=i.findIndex(t=>t.end>=e.end);t>0?(e.innerComments=i.slice(0,t),e.trailingComments=i.slice(t)):e.trailingCommen
ts=i;t.push(e)} } getLocationForPosition(e){ let t;return
t=e===this.state.start?this.state.startLoc:e===this.state.lastTokStart?this.state.lastTokStartLoc:e===this.state.end?th
is.state.endLoc:e===this.state.lastTokEnd?this.state.lastTokEndLoc:function(e,t){ let
r,n=1,i=0;for(c.lastIndex=0;(r=c.exec(e))&&r.index<t;)n++,i=c.lastIndex;return new h(n,t-
i)}(this.input,e),t)raise(e,t,...r){ return this.raiseWithData(e,void 0,t,...r)}raiseWithData(e,t,r,...n){ const
i=this.getLocationForPosition(e),s=r.replace(/%(\|\\d+)/g,(e,t)=>n[t]+'` ($ { i.line } :$ { i.column } )`);return
this._raise(Object.assign({ loc:i,pos:e },t),s)}_raise(e,t){ const r=new
SyntaxError(t);if(Object.assign(r,e),this.options.errorRecovery)return
this.isLookahead||this.state.errors.push(r),r;throw r} } constructor(e,t){ super(),this.isLookahead=void
0,this.tokens=[],this.state=new
fe,this.state.init(e),this.input=t,this.length=t.length,this.isLookahead=!1 } pushToken(e){ this.tokens.length=this.state.t
okensLength,this.tokens.push(e),++this.state.tokensLength } next(){ this.isLookahead||(this.checkKeywordEscapes(),t
his.options.tokens&&this.pushToken(new
ge(this.state))),this.state.lastTokEnd=this.state.end,this.state.lastTokStart=this.state.start,this.state.lastTokEndLoc=th
is.state.endLoc,this.state.lastTokStartLoc=this.state.startLoc,this.nextToken() } eat(e){ return!!this.match(e)&&(this.n
ext(),!0)}match(e){ return this.state.type===e } lookahead(){ const
e=this.state;this.state=e.clone(!0),this.isLookahead=!0,this.next(),this.isLookahead=!1;const t=this.state;return
this.state=e,t } nextTokenStart(){ return
this.nextTokenStartSince(this.state.pos)}nextTokenStartSince(e){ u.lastIndex=e;return
e+u.exec(this.input)[0].length } lookaheadCharCode(){ return
this.input.charCodeAtAt(this.nextTokenStart()) } setStrict(e){ if(this.state.strict=e,this.match(o.num)||this.match(o.string
))for(this.state.pos=this.state.start;this.state.pos<this.state.lineStart;)this.state.lineStart=this.input.lastIndexOf("\\|\\|
\\n\\|",this.state.lineStart-2)+1,--this.state.curLine;this.nextToken() } curContext(){ return
this.state.context[this.state.context.length-1]}nextToken(){ const e=this.curContext();if((null===e?void
0:e.preserveSpace)||this.skipSpace(),this.state.octalPositions=[],this.state.start=this.state.pos,this.state.startLoc=this.s
tate.curPosition(),this.state.pos>=this.length)return void this.finishToken(o.eof);const t=null===e?void
0:e.override;t?(this):this.getTokenFromCode(this.input.codePointAt(this.state.pos)) } pushComment(e,t,r,n,i,s){ const
a={ type:e?"CommentBlock":"CommentLine",value:t,start:r,end:n,loc:new
f(i,s)};this.options.tokens&&this.pushToken(a),this.state.comments.push(a),this.addComment(a)}skipBlockComme
nt(){ const e=this.state.curPosition(),t=this.state.pos,r=this.input.indexOf("\\|\\|\\|",this.state.pos+2);if(-1===r)throw
this.raise(t,y.UnterminatedComment);let
n;for(this.state.pos=r+2,c.lastIndex=t;(n=c.exec(this.input))&&n.index<this.state.pos;)+this.state.curLine,this.state.
lineStart=n.index+n[0].length;this.isLookahead||this.pushComment(!0,this.input.slice(t+2,r),t,this.state.pos,e,this.stat
e.curPosition()) } skipLineComment(e){ const t=this.state.pos,r=this.state.curPosition();let
n=this.input.charCodeAtAt(this.state.pos+=e);if(this.state.pos<this.length)for(;!p(n)&&++this.state.pos<this.length;n
=this.input.charCodeAtAt(this.state.pos);this.isLookahead||this.pushComment(!1,this.input.slice(t+e,this.state.pos),t,thi

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s.state.pos,r,this.state.curPosition())}skipSpace(){e:for(;this.state.pos<this.length;){const
e=this.input.charCodeAt(this.state.pos);switch(e){case 32:case 160:case 9:++this.state.pos;break;case
13:10===this.input.charCodeAt(this.state.pos+1)&&++this.state.pos;case 10:case 8232:case
8233:++this.state.pos,++this.state.curLine,this.state.lineStart=this.state.pos;break;case
47:switch(this.input.charCodeAt(this.state.pos+1)){case 42:this.skipBlockComment();break;case
47:this.skipLineComment(2);break;default:break e }break;default:if(!d(e))break
e;++this.state.pos } } finishToken(e,t){ this.state.end=this.state.pos,this.state.endLoc=this.state.curPosition();const
r=this.state.type;this.state.type=e,this.state.value=t,this.isLookahead||this.updateContext(r)}readToken_numberSign(
){if(0===this.state.pos&&this.readToken_interpreter())return;const
e=this.state.pos+1,t=this.input.charCodeAt(e);if(t>=48&&t<=57)throw
this.raise(this.state.pos,y.UnexpectedDigitAfterHash);if(123===t||91===t&&this.hasPlugin(\\\"recordAndTuple\\\"))
{if(this.expectPlugin(\\\"recordAndTuple\\\"),\\\"hash\\\"!==this.getPluginOption(\\\"recordAndTuple\\\",\\\"syntaxT
ype\\\"))throw
this.raise(this.state.pos,123===t?y.RecordExpressionHashIncorrectStartSyntaxType:y.TupleExpressionHashIncorrec
tStartSyntaxType);123===t?this.finishToken(o.braceHashL):this.finishToken(o.bracketHashL),this.state.pos+=2}e
lse this.finishOp(o.hash,1)}readToken_dot(){const
e=this.input.charCodeAt(this.state.pos+1);e>=48&&e<=57?this.readNumber(!0):46===e&&46===this.input.charC
odeAt(this.state.pos+2)?(this.state.pos+=3,this.finishToken(o.ellipsis)):(++this.state.pos,this.finishToken(o.dot))}rea
dToken_slash(){if(this.state.exprAllowed&&!this.state.inType)return++this.state.pos,void
this.readRegexp();61===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.assign,2):this.finishOp(o.slash,1)}r
eadToken_interpreter(){if(0!==this.state.pos||this.length<2)return!1;let
e=this.input.charCodeAt(this.state.pos+1);if(33===e)return!1;const
t=this.state.pos;for(this.state.pos+=1;!p(e)&&++this.state.pos<this.length;)e=this.input.charCodeAt(this.state.pos);c
onst r=this.input.slice(t+2,this.state.pos);return
this.finishToken(o.interpreterDirective,r,!0)}readToken_mult_modulo(e){let
t=42===e?o.star:o.modulo,r=1,n=this.input.charCodeAt(this.state.pos+1);const
i=this.state.exprAllowed;42===e&&42===n&&(r++,n=this.input.charCodeAt(this.state.pos+2),t=o.exponent),61!=
=n||i||(r++,t=o.assign),this.finishOp(t,r)}readToken_pipe_amp(e){const
t=this.input.charCodeAt(this.state.pos+1);if(t!==e){if(124===e){if(62===t)return void
this.finishOp(o.pipeline,2);if(this.hasPlugin(\\\"recordAndTuple\\\")&&125===t){if(\\\"bar\\\"!==this.getPluginOpti
on(\\\"recordAndTuple\\\",\\\"syntaxType\\\"))throw
this.raise(this.state.pos,y.RecordExpressionBarIncorrectEndSyntaxType);return void
this.finishOp(o.braceBarR,2)}if(this.hasPlugin(\\\"recordAndTuple\\\")&&93===t){if(\\\"bar\\\"!==this.getPluginOp
tion(\\\"recordAndTuple\\\",\\\"syntaxType\\\"))throw
this.raise(this.state.pos,y.TupleExpressionBarIncorrectEndSyntaxType);return void
this.finishOp(o.bracketBarR,2)}61!==t?this.finishOp(124===e?o.bitwiseOR:o.bitwiseAND,1):this.finishOp(o.assi
gn,2)}else
61===this.input.charCodeAt(this.state.pos+2)?this.finishOp(o.assign,3):this.finishOp(124===e?o.logicalOR:o.logic
alAND,2)}readToken_caret(){61===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.assign,2):this.finishOp
(o.bitwiseXOR,1)}readToken_plus_min(e){const t=this.input.charCodeAt(this.state.pos+1);if(t===e)return
45!==t||this.inModule||62!==this.input.charCodeAt(this.state.pos+2)||0!==this.state.lastTokEnd&&!this.hasPrecedin
gLineBreak()?void this.finishOp(o.incDec,2):(this.skipLineComment(3),this.skipSpace(),void
this.nextToken());61===t?this.finishOp(o.assign,2):this.finishOp(o.plusMin,1)}readToken_lt_gt(e){const
t=this.input.charCodeAt(this.state.pos+1);let r=1;return
t===e?(r=62===e&&62===this.input.charCodeAt(this.state.pos+2)?3:2,61===this.input.charCodeAt(this.state.pos+
r)?void this.finishOp(o.assign,r+1):void
this.finishOp(o.bitShift,r):33!==t||60!==e||this.inModule||45!==this.input.charCodeAt(this.state.pos+2)||45!==this.in
put.charCodeAt(this.state.pos+3)?(61===t&&(r=2),void

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this.finishOp(o.relational,r):(this.skipLineComment(4),this.skipSpace(),void
this.nextToken())}readToken_eq_excl(e){const t=this.input.charCodeAt(this.state.pos+1);if(61!==t)return
61===e&&62===t?(this.state.pos+=2,void this.finishToken(o.arrow)):void
this.finishOp(61===e?o.eq:o.bang,1);this.finishOp(o.equality,61===this.input.charCodeAt(this.state.pos+2)?3:2)}re
adToken_question(){const
e=this.input.charCodeAt(this.state.pos+1),t=this.input.charCodeAt(this.state.pos+2);63===e?61===t?this.finishOp(
o.assign,3):this.finishOp(o.nullishCoalescing,2):46!===e||t>=48&&t<=57?(++this.state.pos,this.finishToken(o.questi
on)):(this.state.pos+=2,this.finishToken(o.questionDot))}getTokenFromCode(e){switch(e){case 46:return void
this.readToken_dot();case 40:return++this.state.pos,void this.finishToken(o.parenL);case
41:return++this.state.pos,void this.finishToken(o.parenR);case 59:return++this.state.pos,void
this.finishToken(o.semi);case 44:return++this.state.pos,void this.finishToken(o.comma);case
91:if(this.hasPlugin(\\\\"recordAndTuple\\\\")&&124===this.input.charCodeAt(this.state.pos+1)){if(\\\\"bar\\\\"!==this.
getPluginOption(\\\\"recordAndTuple\\\\",\\\\"syntaxType\\\\"))throw
this.raise(this.state.pos,y.TupleExpressionBarIncorrectStartSyntaxType);this.finishToken(o.bracketBarL),this.state.p
os+=2}else++this.state.pos,this.finishToken(o.bracketL);return;case 93:return++this.state.pos,void
this.finishToken(o.bracketR);case
123:if(this.hasPlugin(\\\\"recordAndTuple\\\\")&&124===this.input.charCodeAt(this.state.pos+1)){if(\\\\"bar\\\\"!==thi
s.getPluginOption(\\\\"recordAndTuple\\\\",\\\\"syntaxType\\\\"))throw
this.raise(this.state.pos,y.RecordExpressionBarIncorrectStartSyntaxType);this.finishToken(o.braceBarL),this.state.p
os+=2}else++this.state.pos,this.finishToken(o.braceL);return;case 125:return++this.state.pos,void
this.finishToken(o.braceR);case 58:return
void(this.hasPlugin(\\\\"functionBind\\\\")&&58===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.doubleCo
lon,2):(++this.state.pos,this.finishToken(o.colon));case 63:return void this.readToken_question();case
96:return++this.state.pos,void this.finishToken(o.backQuote);case 48:{const
e=this.input.charCodeAt(this.state.pos+1);if(120===e||88===e)return void
this.readRadixNumber(16);if(111===e||79===e)return void this.readRadixNumber(8);if(98===e||66===e)return
void this.readRadixNumber(2)}case 49:case 50:case 51:case 52:case 53:case 54:case 55:case 56:case 57:return void
this.readNumber(!1);case 34:case 39:return void this.readString(e);case 47:return void this.readToken_slash();case
37:case 42:return void this.readToken_mult_modulo(e);case 124:case 38:return void
this.readToken_pipe_amp(e);case 94:return void this.readToken_caret();case 43:case 45:return void
this.readToken_plus_min(e);case 60:case 62:return void this.readToken_lt_gt(e);case 61:case 33:return void
this.readToken_eq_excl(e);case 126:return void this.finishOp(o.tilde,1);case 64:return++this.state.pos,void
this.finishToken(o.at);case 35:return void this.readToken_numberSign();case 92:return void
this.readWord();default:if(O(e))return void this.readWord()}throw
this.raise(this.state.pos,y.InvalidOrUnexpectedToken,String.fromCodePoint(e))}finishOp(e,t){const
r=this.input.slice(this.state.pos,this.state.pos+t);this.state.pos+=t,this.finishToken(e,r)}readRegExp(){const
e=this.state.pos;let t,r;for(;;){if(this.state.pos>=this.length)throw this.raise(e,y.UnterminatedRegExp);const
n=this.input.charAt(this.state.pos);if(!.test(n))throw
this.raise(e,y.UnterminatedRegExp);if(t)#!;else{if(\\\\"[\\\\"===n)r=!0;else if(\\\\"]\\\\"===n&&r)r=!1;else
if(\\\\"^\\\\"===n&&!r)break;t=\\\\"\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\"===n}++this.state.pos}const
n=this.input.slice(e,this.state.pos);++this.state.pos;let i=\\\\"\\\\"\\\\";for(;this.state.pos<this.length;){const
e=this.input[this.state.pos],t=this.input.codePointAt(this.state.pos);if(!.has(e))i.indexOf(e)>=
1&&this.raise(this.state.pos+1,y.DuplicateRegExpFlags);else{if(!t)&&92!==t)break;this.raise(this.state.pos+1,y.
MalformedRegExpFlags)}++this.state.pos,i+=e}this.finishToken(o.regexp,{pattern:n,flags:i})}readInt(e,t,r,n=!0){c
onst i=this.state.pos,s=16===e?Te.hex:Te.decBinOct,a=16===e?be.hex:10===e?be.dec:8===e?be.oct:be.bin;let
o=!1,l=0;for(let i=0,c=null===t?1/0:t;i<c;++i){const t=this.input.charCodeAt(this.state.pos);let
c;if(95!==t){if(c=t>=97?t-97+10:t>=65?t-65+10:me(t)?t-
48:1/0,c>=e)if(this.options.errorRecovery&&c<=9)c=0,this.raise(this.state.start+i+2,y.InvalidDigit,e);else{if(!r)bra

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k;c=0,o=!0}++this.state.pos,l=l*e+c}else{const e=this.input.charCodeAtAt(this.state.pos-
1),t=this.input.charCodeAtAt(this.state.pos+1);(-1===a.indexOf(t)||s.indexOf(e)>-1||s.indexOf(t)>-
1||Number.isNaN(t))&&this.raise(this.state.pos,y.UnexpectedNumericSeparator),n||this.raise(this.state.pos,y.Numeri
cSeparatorInEscapeSequence),++this.state.pos}}return this.state.pos===i|null!=t&&this.state.pos-
i!=t||o?null:l}readRadixNumber(e){const t=this.state.pos;let r=!1,this.state.pos+=2;const
n=this.readInt(e);null==n&&this.raise(this.state.start+2,y.InvalidDigit,e);const
i=this.input.charCodeAtAt(this.state.pos);if(110===i)++this.state.pos,r=!0;else if(109===i)throw
this.raise(t,y.InvalidDecimal);if(O(this.input.codePointAt(this.state.pos)))throw
this.raise(this.state.pos,y.NumberIdentifier);if(r){const
e=this.input.slice(t,this.state.pos).replace(/[_n]/g,\\\\"\\\");this.finishToken(o.bigint,e)}else
this.finishToken(o.num,n)}readNumber(e){const t=this.state.pos;let
r=!1,n=!1,i=!1,s=!1,a=!1,e||null!==this.readInt(10)||this.raise(t,y.InvalidNumber);const l=this.state.pos-
t>=2&&48===this.input.charCodeAtAt(t);if(l){const
e=this.input.slice(t,this.state.pos);if(this.state.strict)this.raise(t,y.StrictOctalLiteral);else{const
r=e.indexOf(\\\\"_\\\");r>0&&this.raise(r+t,y.ZeroDigitNumericSeparator)}a=l&&!/[89]/.test(e)}let
c=this.input.charCodeAtAt(this.state.pos);if(46===c||a||(++this.state.pos,this.readInt(10),r=!0,c=this.input.charCodeAtAt(t
his.state.pos)),69===c&&101===c||a||c=this.input.charCodeAtAt(++this.state.pos),43===c&&45===c||++this.state.pos,
null===this.readInt(10)&&this.raise(t,y.InvalidOrMissingExponent),r=!0,s=!0,c=this.input.charCodeAtAt(this.state.po
s)),110===c&&((r||l)&&this.raise(t,y.InvalidBigIntLiteral),++this.state.pos,n=!0),109===c&&(this.expectPlugin(\\\
decimal\\\"),this.state.pos),(s||l)&&this.raise(t,y.InvalidDecimal),++this.state.pos,i=!0),O(this.input.codePointAt(this
.state.pos)))throw this.raise(this.state.pos,y.NumberIdentifier);const
p=this.input.slice(t,this.state.pos).replace(/[_mn]/g,\\\\"\\\");if(n)return void this.finishToken(o.bigint,p);if(i)return
void this.finishToken(o.decimal,p);const
u=a?parseInt(p,8):parseFloat(p);this.finishToken(o.num,u)}readCodePoint(e){let
t;if(123===this.input.charCodeAtAt(this.state.pos)){const
r=++this.state.pos;if(t=this.readHexChar(this.input.indexOf(\\\\"\\\"),this.state.pos)-
this.state.pos,!0,e),++this.state.pos,null!==t&&t>1114111){if(!e)return null;this.raise(r,y.InvalidCodePoint)}}else
t=this.readHexChar(4,!1,e);return t}readString(e){let
t=\\\\"\\\",r=++this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,y.UnterminatedString);const
n=this.input.charCodeAtAt(this.state.pos);if(n===e)break;if(92===n)t+=this.input.slice(r,this.state.pos),t+=this.readEs
capedChar(!1),r=this.state.pos;else
if(8232===n||8233===n)++this.state.pos,++this.state.curLine,this.state.lineStart=this.state.pos;else{if(p(n))throw
this.raise(this.state.start,y.UnterminatedString);++this.state.pos}}t+=this.input.slice(r,this.state.pos++),this.finishTo
ken(o.string,t)}readTplToken(){let e=\\\\"\\\",t=this.state.pos,r=!1;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,y.UnterminatedTemplate);const
n=this.input.charCodeAtAt(this.state.pos);if(96===n||36===n&&123===this.input.charCodeAtAt(this.state.pos+1))retur
n this.state.pos===this.state.start&&this.match(o.template)?36===n?(this.state.pos+=2,void
this.finishToken(o.dollarBraceL)):(++this.state.pos,void
this.finishToken(o.backQuote)):(e+=this.input.slice(t,this.state.pos),void
this.finishToken(o.template,r?null:e));if(92===n){e+=this.input.slice(t,this.state.pos);const
n=this.readEscapedChar(!0);null===n?r=!0:e+=n,t=this.state.pos}else
if(p(n)){switch(e+=this.input.slice(t,this.state.pos),++this.state.pos,n){case
13:10===this.input.charCodeAtAt(this.state.pos)&&++this.state.pos;case
10:e+=\\\\"\\\n\\\";break;default:e+=String.fromCharCode(n)++this.state.curLine,this.state.lineStart=this.state.pos,t
=this.state.pos}else++this.state.pos}}readEscapedChar(e){const
t=!e,r=this.input.charCodeAtAt(++this.state.pos);switch(++this.state.pos,r){case 110:return\\\\"\\\n\\\";case
114:return\\\\"\\\r\\\";case 120:{const e=this.readHexChar(2,!1,t);return null===e?null:String.fromCharCode(e)}case

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117:{const e=this.readCodePoint(t);return null===e?null:String.fromCharCode(e)}case 116:return"\\t";case
98:return"\\b";case 118:return"\\v";case 102:return"\\f";case
13:10===this.input.charCodeAt(this.state.pos)&&this.state.pos;case
10:this.state.lineStart=this.state.pos,++this.state.curLine;case 8232:case 8233:return"\\n";case 56:case
57:if(e)return null;this.state.strict&&this.raise(this.state.pos-
1,y.StrictNumericEscape);default:if(r>=48&&r<=55){const t=this.state.pos-1;let r=this.input.substr(this.state.pos-
1,3).match(/[0-7]+)/[0],n=parseInt(r,8);n>255&&(r=r.slice(0,-1),n=parseInt(r,8)),this.state.pos+=r.length-1;const
i=this.input.charCodeAt(this.state.pos);if(\\0\\!|=r||56===i||57===i){if(e)return
null;this.state.strict?this.raise(t,y.StrictNumericEscape):this.state.octalPositions.push(t)}return
String.fromCharCode(n)}return String.fromCharCode(r)}readHexChar(e,t,r){const
n=this.state.pos,i=this.readInt(16,e,t,!1);return
null===i&&(r?this.raise(n,y.InvalidEscapeSequence):this.state.pos=n-1,i)}readWord1(){let
e=\\";this.state.containsEsc=!1;const t=this.state.pos;let r=this.state.pos;for(;this.state.pos<this.length;){const
n=this.input.codePointAt(this.state.pos);if(I(n))this.state.pos+=n<=65535?1:2;else
if(this.state.isIterator&&64===n)++this.state.pos;else{if(92===n)break;{this.state.containsEsc=!0,e+=this.input.slic
e(r,this.state.pos);const
n=this.state.pos,i=this.state.pos===t?O:I;if(117!==this.input.charCodeAt(++this.state.pos)){this.raise(this.state.pos,
y.MissingUnicodeEscape);continue}++this.state.pos;const
s=this.readCodePoint(!0);null!==s&&(i(s)||this.raise(n,y.EscapedCharNotAnIdentifier),e+=String.fromCharCode(s)
),r=this.state.pos}}return
e+this.input.slice(r,this.state.pos)}isIterator(e){return"@ @iterator"===e||"@ @asyncIterator"===e}readWor
d(){const
e=this.readWord1(),t=i.get(e)||o.name;!this.state.isIterator||this.isIterator(e)&&this.state.inType||this.raise(this.state.p
os,y.InvalidIdentifier,e),this.finishToken(t,e)}checkKeywordEscapes(){const
e=this.state.type.keyword;e&&this.state.containsEsc&&this.raise(this.state.start,y.InvalidEscapedReservedWord,e)}
braceIsBlock(e){const t=this.curContext();return
t===g.functionExpression||t===g.functionStatement||(e!|=o.colon||t===g.braceStatement&&t!|=g.braceExpression?
e===o._return||e===o.name&&this.state.exprAllowed?this.hasPrecedingLineBreak():e===o._else||e===o.semi||e===
=o.eof||e===o.parenR||e===o.arrow||(e===o.braceL?t===g.braceStatement:e!|=o._var&&e!|=o._const&&e!|=o.na
me&&(e===o.relational||!this.state.exprAllowed)):t.isExpr)}updateContext(e){const t=this.state.type;let
r;!t.keyword||e!|=o.dot&&e!|=o.questionDot?(r=t.updateContext)?r.call(this,e):this.state.exprAllowed=t.beforeExp
r:this.state.exprAllowed=!1}}addExtra(e,t,r){if(!e)return;(e.extra=e.extra||{})[t]=r}isRelational(e){return
this.match(o.relational)&&this.state.value===e}expectRelational(e){this.isRelational(e)?this.next():this.unexpected(
null,o.relational)}isContextual(e){return
this.match(o.name)&&this.state.value===e&&!this.state.containsEsc}isUnparsedContextual(e,t){const
r=e+t.length;return
this.input.slice(e,r)===t&&(r===this.input.length?!I(this.input.charCodeAt(r))}isLookaheadContextual(e){const
t=this.nextTokenStart();return this.isUnparsedContextual(t,e)}eatContextual(e){return
this.isContextual(e)&&this.eat(o.name)}expectContextual(e,t){this.eatContextual(e)||this.unexpected(null,t)}canInse
rtSemicolon(){return
this.match(o.eof)||this.match(o.braceR)||this.hasPrecedingLineBreak()}hasPrecedingLineBreak(){return
l.test(this.input.slice(this.state.lastTokEnd,this.state.start))}isLineTerminator(){return
this.eat(o.semi)||this.canInsertSemicolon()}semicolon(){this.isLineTerminator()||this.unexpected(null,o.semi)}expec
t(e,t){this.eat(e)||this.unexpected(t,e)}assertNoSpace(e=\\ "Unexpected
space.\\"){this.state.start>this.state.lastTokEnd&&this.raise(this.state.lastTokEnd,e)}unexpected(e,t=\\ "Unexpected
token\\"){throw"string"!=typeof t&&(t=`Unexpected token, expected
\\ "${t.label}"`),this.raise(null!=e?e:this.state.start,t)}expectPlugin(e,t){if(!this.hasPlugin(e))throw
this.raiseWithData(null!=t?t:this.state.start,{missingPlugin:[e]},`This experimental syntax requires enabling the

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parser plugin: `${e}`);return!0}expectOnePlugin(e,t){if(!e.some(e=>this.hasPlugin(e)))throw
this.raiseWithData(null!=t?t:this.state.start,{missingPlugin:e},`This experimental syntax requires enabling one of the
following parser plugin(s): ${e.join("\\", "\\")}`)}tryParse(e,t=this.state.clone()){const r={node:null};try{const
n=e((e=null)=>{throw r.node=e,r});if(this.state.errors.length>t.errors.length){const e=this.state;return
this.state=t,{node:n,error:e.errors[t.errors.length],thrown:!1,aborted:!1,failState:e}}return{node:n,error:null,thrown:
!1,aborted:!1,failState:null}}catch(e){const n=this.state;if(this.state=t,e instanceof
SyntaxError)return{node:null,error:e,thrown:!0,aborted:!1,failState:n};if(e===r)return{node:r.node,error:null,throw
n:!1,aborted:!0,failState:n};throw
e}}checkExpressionErrors(e,t){if(!e)return!1;const{shorthandAssign:r,doubleProto:n}=e;if(!t)return
r>=0||n>=0;r>=0&&this.unexpected(r,n>=0&&this.raise(n,y.DuplicateProto)}isLiteralPropertyName(){return
this.match(o.name)||!this.state.type.keyword||this.match(o.string)||this.match(o.num)||this.match(o.bigint)||this.matc
h(o.decimal)}}{startNode(){return new xe(this,this.state.start,this.state.startLoc)}startNodeAt(e,t){return new
xe(this,e,t)}startNodeAtNode(e){return this.startNodeAt(e.start,e.loc.start)}finishNode(e,t){return
this.finishNodeAt(e,t,this.state.lastTokEnd,this.state.lastTokEndLoc)}finishNodeAt(e,t,r,n){return
e.type=t,e.end=r,e.loc.end=n,this.options.ranges&&(e.range[1]=r),this.processComment(e,e)resetStartLocation(e,t,
r){e.start=t,e.loc.start=r,this.options.ranges&&(e.range[0]=t)}resetEndLocation(e,t=this.state.lastTokEnd,r=this.stat
e.lastTokEndLoc){e.end=t,e.loc.end=r,this.options.ranges&&(e.range[1]=t)}resetStartLocationFromNode(e,t){this.r
esetStartLocation(e,t.start,t.loc.start)}}{toAssignable(e){var t,r;let n=void
0;switch(("\\\"ParenthesizedExpression\\\"===e.type||(null==(t=e.extra)?void
0:t.parenthesized))&&(n=Ee(e),\\"Identifier\\\"!==n.type&&\\\"MemberExpression\\\"!==n.type&&this.raise(e.start
,y.InvalidParenthesizedAssignment)),e.type){case\\"Identifier\\\":case\\"ObjectPattern\\\":case\\"ArrayPattern\\\":c
ase\\"AssignmentPattern\\\":break;case\\"ObjectExpression\\\":e.type=\\"ObjectPattern\\\";for(let
t=0,r=e.properties.length,n=r-1;t<r;t++){var i;const
r=e.properties[t],s=t===n;this.toAssignableObjectExpressionProp(r,s,s&&\\\"RestElement\\\"===r.type&&(null==(
i=e.extra)?void
0:i.trailingComma))&&this.raiseRestNotLast(e.extra.trailingComma)}break;case\\"ObjectProperty\\\":this.toAssigna
ble(e.value);break;case\\"SpreadElement\\\":{this.checkToRestConversion(e),e.type=\\"RestElement\\\";const
t=e.argument;this.toAssignable(t);break}case\\"ArrayExpression\\\":e.type=\\"ArrayPattern\\\",this.toAssignableLis
t(e.elements,null==(r=e.extra)?void
0:r.trailingComma);break;case\\"AssignmentExpression\\\":\\\"=\\\"!==e.operator&&this.raise(e.left.end,y.MissingE
qInAssignment),e.type=\\"AssignmentPattern\\\",delete
e.operator,this.toAssignable(e.left);break;case\\"ParenthesizedExpression\\\":this.toAssignable(n)}return
e}toAssignableObjectExpressionProp(e,t){if(\\"ObjectMethod\\\"===e.type){const
t=\\\"get\\\"===e.kind?\\\"set\\\"===e.kind?y.PatternHasAccessor:y.PatternHasMethod;this.raise(e.key.start,t)}else\\
\\\"SpreadElement\\\"!==e.type|t?this.toAssignable(e):this.raiseRestNotLast(e.start)}toAssignableList(e,t){let
r=e.length;if(r){const n=e[r-1];if(\\"RestElement\\\"===n?(null==n?void 0:n.type)--r}else
if(\\"SpreadElement\\\"===n?(null==n?void 0:n.type)}n.type=\\"RestElement\\\";const
e=n.argument;this.toAssignable(e),\\"Identifier\\\"!==e.type&&\\\"MemberExpression\\\"!==e.type&&\\\"ArrayPatt
ern\\\"!==e.type&&\\\"ObjectPattern\\\"!==e.type&&this.unexpected(e.start,t)&&this.raiseTrailingCommaAfterRest
(t,--r)}for(let t=0;t<r;t++){const
r=e[t];r&&(this.toAssignable(r),\\"RestElement\\\"===r.type&&this.raiseRestNotLast(r.start))}return
e}toReferencedList(e,t){return e}toReferencedListDeep(e,t){this.toReferencedList(e,t);for(let
t=0;t<e.length;t++){const r=e[t];\\\"ArrayExpression\\\"===r?(null==r?void
0:r.type)&&this.toReferencedListDeep(r.elements)}}parseSpread(e,t){const r=this.startNode();return
this.next(),r.argument=this.parseMaybeAssignAllowIn(e,void
0,t),this.finishNode(r,\\\"SpreadElement\\\")}parseRestBinding(){const e=this.startNode();return
this.next(),e.argument=this.parseBindingAtom(),this.finishNode(e,\\\"RestElement\\\")}parseBindingAtom(){switch
(this.state.type){case o.bracketL:{const e=this.startNode();return

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this.next(),e.elements=this.parseBindingList(o.bracketR,93,!0),this.finishNode(e,\\\\"ArrayPattern\\\\")case
o.braceL:return this.parseObjectLike(o.braceR,!0)}return this.parseIdentifier()}parseBindingList(e,t,r,n){const
i=[];let
s=!0;for(;!this.eat(e);)if(s?s=!1:this.expect(o.comma),r&&this.match(o.comma))i.push(null);else{if(this.eat(e))break
;if(this.match(o.ellipsis)){i.push(this.parseAssignableListItemTypes(this.parseRestBinding()),this.checkCommaAft
erRest(t),this.expect(e));break}{const
e=[];for(this.match(o.at)&&this.hasPlugin(\\\\"decorators\\\\")&&this.raise(this.state.start,y.UnsupportedParameterDe
corator);this.match(o.at);)e.push(this.parseDecorator());i.push(this.parseAssignableListItem(n,e))}return
i}parseAssignableListItem(e,t){const r=this.parseMaybeDefault();this.parseAssignableListItemTypes(r);const
n=this.parseMaybeDefault(r.start,r.loc.start,r);return
t.length&&(r.decorators=t),n}parseAssignableListItemTypes(e){return e}parseMaybeDefault(e,t,r){var
n,i,s;if(t=null!=(n=t)?n:this.state.startLoc,e=null!=(i=e)?i:this.state.start,r=null!=(s=r)?s:this.parseBindingAtom(),!th
is.eat(o.eq))return r;const a=this.startNodeAt(e,t);return
a.left=r,a.right=this.parseMaybeAssignAllowIn(),this.finishNode(a,\\\\"AssignmentPattern\\\\")checkLVal(e,t=64,r,n
,i,s=!1){switch(e.type){case\\\\"Identifier\\\\":if(this.state.strict&&(s?F(e.name,this.inModule):j(e.name))&&this.raise
(e.start,64===t?y.StrictEvalArguments:y.StrictEvalArgumentsBinding,e.name),r){const
t=\\\\"_\\\\"+e.name;r[t]?this.raise(e.start,y.ParamDupe):r[t]=!0}i&&\\\\"let\\\\"===e.name&&this.raise(e.start,y.LetInL
exicalBinding),64&t||this.scope.declareName(e.name,t,e.start);break;case\\\\"MemberExpression\\\\":64!==t&&this.ra
ise(e.start,y.InvalidPropertyBindingPattern);break;case\\\\"ObjectPattern\\\\":for(let
n=0,s=e.properties;n<s.length;n++){let e=s[n];if(\\\\"ObjectProperty\\\\"===e.type)e=e.value;else
if(\\\\"ObjectMethod\\\\"===e.type)continue;this.checkLVal(e,t,r,\\\\"object destructuring
pattern\\\\",i)}break;case\\\\"ArrayPattern\\\\":for(let n=0,s=e.elements;n<s.length;n++){const
e=s[n];e&&this.checkLVal(e,t,r,\\\\"array destructuring
pattern\\\\",i)}break;case\\\\"AssignmentPattern\\\\":this.checkLVal(e.left,t,r,\\\\"assignment
pattern\\\\");break;case\\\\"RestElement\\\\":this.checkLVal(e.argument,t,r,\\\\"rest
element\\\\");break;case\\\\"ParenthesizedExpression\\\\":this.checkLVal(e.expression,t,r,\\\\"parenthesized
expression\\\\");break;default:this.raise(e.start,64===t?y.InvalidLhs:y.InvalidLhsBinding,n)}checkToRestConversio
n(e){\\\\"Identifier\\\\"!==e.argument.type&&\\\\"MemberExpression\\\\"!==e.argument.type&&this.raise(e.argument.s
tart,y.InvalidRestAssignmentPattern)}checkCommaAfterRest(e){this.match(o.comma)&&(this.lookaheadCharCode
()===e?this.raiseTrailingCommaAfterRest(this.state.start):this.raiseRestNotLast(this.state.start))}raiseRestNotLast(e
){throw
this.raise(e,y.ElementAfterRest)}raiseTrailingCommaAfterRest(e){this.raise(e,y.RestTrailingComma)}}{checkProt
o(e,t,r,n){if(\\\\"SpreadElement\\\\"===e.type|\\\\"ObjectMethod\\\\"===e.type|e.computed|e.shorthand)return;const
i=e.key;if(\\\\"__proto__\\\\"===i|(\\\\"Identifier\\\\"===i.type?i.name:i.value)){if(t)return void
this.raise(i.start,y.RecordNoProto);r.used&&(n?-
1===n.doubleProto&&(n.doubleProto=i.start):this.raise(i.start,y.DuplicateProto)),r.used=!0}}shouldExitDescending
(e,t){return\\\\"ArrowFunctionExpression\\\\"===e.type&&e.start===t}getExpression(){let
e=0;this.hasPlugin(\\\\"topLevelAwait\\\\")&&this.inModule&&(e|=2),this.scope.enter(1),this.prodParam.enter(e),this
.nextToken();const t=this.parseExpression();return
this.match(o.eof)||this.unexpected(),t.comments=this.state.comments,t.errors=this.state.errors,t}parseExpression(e,t)
{return
e?this.disallowInAnd(=>this.parseExpressionBase(t)):this.allowInAnd(=>this.parseExpressionBase(t))}parseExp
ressionBase(e){const
t=this.state.start,r=this.state.startLoc,n=this.parseMaybeAssign(e);if(this.match(o.comma)){const
i=this.startNodeAt(t,r);for(i.expressions=[n];this.eat(o.comma);)i.expressions.push(this.parseMaybeAssign(e));retur
n this.toReferencedList(i.expressions),this.finishNode(i,\\\\"SequenceExpression\\\\")}return
n}parseMaybeAssignDisallowIn(e,t,r){return
this.disallowInAnd(=>this.parseMaybeAssign(e,t,r))}parseMaybeAssignAllowIn(e,t,r){return

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this.allowInAnd(=>this.parseMaybeAssign(e,t,r))}parseMaybeAssign(e,t,r){const
n=this.state.start,i=this.state.startLoc;if(this.isContextual(\\\\"yield\\\\"))&&this.prodParam.hasYield){this.state.exprAl
lowed=!0;let e=this.parseYield();return t&&(e=t.call(this,e,n,i),e)}let s;e?s=!1:(e=new
Se,s=!0),(this.match(o.parenL)||this.match(o.name))&&(this.state.potentialArrowAt=this.state.start);let
a=this.parseMaybeConditional(e,r);if(t&&(a=t.call(this,a,n,i)),this.state.type.isAssign){const
t=this.startNodeAt(n,i),r=this.state.value;return
t.operator=r,this.match(o.eq)?(t.left=this.toAssignable(a),e.doubleProto=-
1):t.left=a,e.shorthandAssign>=t.left.start&&(e.shorthandAssign=-1),this.checkLVal(a,void 0,void 0,\\\\"assignment
expression\\\\"),this.next(),t.right=this.parseMaybeAssign(),this.finishNode(t,\\\\"AssignmentExpression\\\\")}return
s&&this.checkExpressionErrors(e,!0),a}parseMaybeConditional(e,t){const
r=this.state.start,n=this.state.startLoc,i=this.state.potentialArrowAt,s=this.parseExprOps(e);return
this.shouldExitDescending(s,i)?s:this.parseConditional(s,r,n,t)}parseConditional(e,t,r,n){if(this.eat(o.question)){con
st n=this.startNodeAt(t,r);return
n.test=e,n.consequent=this.parseMaybeAssignAllowIn(),this.expect(o.colon),n.alternate=this.parseMaybeAssign(),t
his.finishNode(n,\\\\"ConditionalExpression\\\\")}return e}parseExprOps(e){const
t=this.state.start,r=this.state.startLoc,n=this.state.potentialArrowAt,i=this.parseMaybeUnary(e);return
this.shouldExitDescending(i,n)?i:this.parseExprOp(i,t,r,-1)}parseExprOp(e,t,r,n){let
i=this.state.type.binop;if(null!=i&&(this.prodParam.hasIn||!this.match(o._in))&&i>n){const
s=this.state.type;if(s===o.pipeline){if(this.expectPlugin(\\\\"pipelineOperator\\\\"),this.state.inFSharpPipelineDirectB
ody)return e;this.state.inPipeline=!0,this.checkPipelineAtInfixOperator(e,t)}const
a=this.startNodeAt(t,r);a.left=e,a.operator=this.state.value,s!==o.exponent||\\\\"UnaryExpression\\\\"!==e.type||this.o
ptions.createParenthesizedExpressions&&e.extra&&e.extra.parenthesized||this.raise(e.argument.start,y.Unexpected
TokenUnaryExponentiation);const
l=s===o.logicalOR||s===o.logicalAND,c=s===o.nullishCoalescing;if(c&&(i=o.logicalAND.binop),this.next(),s===
o.pipeline&&\\\\"minimal\\\\"===this.getPluginOption(\\\\"pipelineOperator\\\\"),\\\\"proposal\\\\"))&&this.match(o.name)
&&\\\\"await\\\\"===this.state.value&&this.prodParam.hasAwait)throw
this.raise(this.state.start,y.UnexpectedAwaitAfterPipelineBody);a.right=this.parseExprOpRightExpr(s,i),this.finishN
ode(a,l|c?\\\\"LogicalExpression\\\\":\\\\"BinaryExpression\\\\");const
p=this.state.type;if(c&&(p===o.logicalOR||p===o.logicalAND)||l&&p===o.nullishCoalescing)throw
this.raise(this.state.start,y.MixingCoalesceWithLogical);return this.parseExprOp(a,t,r,n)}return
e}parseExprOpRightExpr(e,t){const r=this.state.start,n=this.state.startLoc;switch(e){case
o.pipeline:switch(this.getPluginOption(\\\\"pipelineOperator\\\\"),\\\\"proposal\\\\")){case\\\\"smart\\\\":return
this.withTopicPermittingContext(=>this.parseSmartPipelineBody(this.parseExprOpBaseRightExpr(e,t),r,n));case\\
\\fsharp\\\\":return this.withSoloAwaitPermittingContext(=>this.parseFSharpPipelineBody(t))}default:return
this.parseExprOpBaseRightExpr(e,t)}parseExprOpBaseRightExpr(e,t){const
r=this.state.start,n=this.state.startLoc;return this.parseExprOp(this.parseMaybeUnary(),r,n,e.rightAssociative?t-
1:t)}parseMaybeUnary(e){if(this.isContextual(\\\\"await\\\\"))&&this.isAwaitAllowed()return this.parseAwait();const
t=this.match(o.incDec),r=this.startNode();if(this.state.type.prefix){r.operator=this.state.value,r.prefix=!0,this.match(
o._throw)&&this.expectPlugin(\\\\"throwExpressions\\\\");const
n=this.match(o._delete);if(this.next(),r.argument=this.parseMaybeUnary(),this.checkExpressionErrors(e,!0),this.stat
e.strict&&n){const
e=r.argument;\\\\"Identifier\\\\"===e.type?this.raise(r.start,y.StrictDelete):\\\\"MemberExpression\\\\"!==e.type&&\\\\"O
ptionalMemberExpression\\\\"!==e.type||\\\\"PrivateName\\\\"!==e.property.type||this.raise(r.start,y.DeletePrivateField
)}if(!t)return this.finishNode(r,\\\\"UnaryExpression\\\\")}return this.parseUpdate(r,t,e)}parseUpdate(e,t,r){if(t)return
this.checkLVal(e.argument,void 0,void 0,\\\\"prefix operation\\\\"),this.finishNode(e,\\\\"UpdateExpression\\\\");const
n=this.state.start,i=this.state.startLoc;let s=this.parseExprSubscripts(r);if(this.checkExpressionErrors(r,1))return
s;for(;this.state.type.postfix&&!this.canInsertSemicolon());{const
e=this.startNodeAt(n,i);e.operator=this.state.value,e.prefix=!1,e.argument=s,this.checkLVal(s,void 0,void

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0,\\\\"postfix operation\\\\"),this.next(),s=this.finishNode(e,\\\\"UpdateExpression\\\\"})return
s}parseExprSubscripts(e){const
t=this.state.start,r=this.state.startLoc,n=this.state.potentialArrowAt,i=this.parseExprAtom(e);return
this.shouldExitDescending(i,n)?i:this.parseSubscripts(i,t,r)}parseSubscripts(e,t,r,n){const
i={optionalChainMember:!1,maybeAsyncArrow:this.atPossibleAsyncArrow(e),stop:!1};do{e=this.parseSubscript(e,
t,r,n,i),i.maybeAsyncArrow=!1}while(!i.stop);return
e}parseSubscript(e,t,r,n,i){if(!n&&this.eat(o.doubleColon))return
this.parseBind(e,t,r,n,i);if(this.match(o.backQuote))return this.parseTaggedTemplateExpression(e,t,r,i);let
s=!1;if(this.match(o.questionDot)){if(i.optionalChainMember=s=!0,n&&40===this.lookaheadCharCode())return
i.stop=!0,e;this.next()}return!n&&this.match(o.parenL)?this.parseCoverCallAndAsyncArrowHead(e,t,r,i,s):s||this.m
atch(o.bracketL)||this.eat(o.dot)?this.parseMember(e,t,r,i,s):(i.stop=!0,e)}parseMember(e,t,r,n,i){const
s=this.startNodeAt(t,r),a=this.eat(o.bracketL);s.object=e,s.computed=a;const
l=a?this.parseExpression():this.parseMaybePrivateName(!0);return\\\\"PrivateName\\\\"===l.type&&(\\\\"Super\\\\"===
s.object.type&&this.raise(t,y.SuperPrivateField),this.classScope.usePrivateName(l.id.name,l.start)),s.property=l,a
&&this.expect(o.bracketR),n.optionalChainMember?(s.optional=i,this.finishNode(s,\\\\"OptionalMemberExpression\\
\\\\")):this.finishNode(s,\\\\"MemberExpression\\\\"))}parseBind(e,t,r,n,i){const s=this.startNodeAt(t,r);return
s.object=e,s.callee=this.parseNoCallExpr(),i.stop=!0,this.parseSubscripts(this.finishNode(s,\\\\"BindExpression\\\\")),t,
r,n)}parseCoverCallAndAsyncArrowHead(e,t,r,n,i){const
s=this.state.maybeInArrowParameters;this.state.maybeInArrowParameters=!0,this.next();let
a=this.startNodeAt(t,r);return a.callee=e,n.maybeAsyncArrow&&this.expressionScope.enter(new
ve(2)),n.optionalChainMember&&(a.optional=i),a.arguments=i?this.parseCallExpressionArguments(o.parenR,!1):th
is.parseCallExpressionArguments(o.parenR,n.maybeAsyncArrow,\\\\"Import\\\\"===e.type,\\\\"Super\\\\"!==e.type,a),t
his.finishCallExpression(a,n.optionalChainMember),n.maybeAsyncArrow&&this.shouldParseAsyncArrow()&&!i?(
n.stop=!0,this.expressionScope.validateAsPattern(),this.expressionScope.exit(),a=this.parseAsyncArrowFromCallEx
pression(this.startNodeAt(t,r),a):(n.maybeAsyncArrow&&this.expressionScope.exit(),this.toReferencedArguments(
a)),this.state.maybeInArrowParameters=s,a)toReferencedArguments(e,t){this.toReferencedListDeep(e.arguments,t)
}parseTaggedTemplateExpression(e,t,r,n){const i=this.startNodeAt(t,r);return
i.tag=e,i.quasi=this.parseTemplate(!0),n.optionalChainMember&&this.raise(t,y.OptionalChainingNoTemplate),this.
finishNode(i,\\\\"TaggedTemplateExpression\\\\"))atPossibleAsyncArrow(e){return\\\\"Identifier\\\\"===e.type&&(\\\\"a
sync\\\\"===e.name&&this.state.lastTokEnd===e.end&&!this.canInsertSemicolon()&&e.end-
e.start===5&&e.start===this.state.potentialArrowAt)}finishCallExpression(e,t){if(\\\\"Import\\\\"===e.callee.type)if(2=
===e.arguments.length&&(this.hasPlugin(\\\\"moduleAttributes\\\\"))||this.expectPlugin(\\\\"importAssertions\\\\")),0===
e.arguments.length|e.arguments.length>2)this.raise(e.start,y.ImportCallArity,this.hasPlugin(\\\\"importAssertions\\\\"))
||this.hasPlugin(\\\\"moduleAttributes\\\\")?\\\\"one or two arguments\\\\":\\\\"one argument\\\\";else for(let
t=0,r=e.arguments;t<r.length;t++){const
e=r[t];\\\\"SpreadElement\\\\"===e.type&&this.raise(e.start,y.ImportCallSpreadArgument)}return
this.finishNode(e,t?\\\\"OptionalCallExpression\\\\":\\\\"CallExpression\\\\"))}parseCallExpressionArguments(e,t,r,n,i){c
onst s=[];let a,l=!0;const
c=this.state.inFSharpPipelineDirectBody;for(this.state.inFSharpPipelineDirectBody=!1;!this.eat(e);){if(l)l=!1;else
if(this.expect(o.comma),this.match(e)){!r||this.hasPlugin(\\\\"importAssertions\\\\"))||this.hasPlugin(\\\\"moduleAttrib
es\\\\"))||this.raise(this.state.lastTokStart,y.ImportCallArgumentTrailingComma),i&&this.addExtra(i,\\\\"trailingComm
a\\\\" ,this.state.lastTokStart),this.next();break}this.match(o.parenL)&&!a&&(a=this.state.start),s.push(this.parseExpr
ListItem(!1,t?new Se:void 0,t?{start:0}:void 0,n))}return
t&&a&&this.shouldParseAsyncArrow()&&this.unexpected(),this.state.inFSharpPipelineDirectBody=c,s}shouldPar
seAsyncArrow(){return
this.match(o.arrow)&&!this.canInsertSemicolon()}parseAsyncArrowFromCallExpression(e,t){var r;return
this.expect(o.arrow),this.parseArrowExpression(e,t.arguments,!0,null==(r=t.extra)?void
0:r.trailingComma),e}parseNoCallExpr(){const e=this.state.start,t=this.state.startLoc;return

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this.parseSubscripts(this.parseExprAtom(),e,t,!0)}parseExprAtom(e){this.state.type===o.slash&&this.readRegexp()
;const t=this.state.potentialArrowAt===this.state.start;let r;switch(this.state.type){case o._super:return
this.parseSuper();case o._import:return
r=this.startNode(),this.next(),this.match(o.dot)?this.parseImportMetaProperty(r):(this.match(o.parenL)||this.raise(this
.state.lastTokStart,y.UnsupportedImport),this.finishNode(r,\\\\"Import\\\\"));case o._this:return
r=this.startNode(),this.next(),this.finishNode(r,\\\\"ThisExpression\\\\"");case o.name:{const
e=this.state.containsEsc,r=this.parseIdentifier();if(!e&&\\\\"async\\\\"===r.name&&!this.canInsertSemicolon()){if(thi
s.match(o._function)){const e=this.state.context.length-1;if(this.state.context[e]!==g.functionStatement)throw new
Error(\\\\"Internal error\\\\"");return
this.state.context[e]=g.functionExpression,this.next(),this.parseFunction(this.startNodeAtNode(r),void
0,!0)}if(this.match(o.name))return this.parseAsyncArrowUnaryFunction(r)}return
t&&this.match(o.arrow)&&!this.canInsertSemicolon()?(this.next(),this.parseArrowExpression(this.startNodeAtNod
e(r),[r,!1]):r}case o._do:return this.parseDo();case o.regexp:{const e=this.state.value;return
r=this.parseLiteral(e.value,\\\\"RegExpLiteral\\\\"),r.pattern=e.pattern,r.flags=e.flags,r}case o.num:return
this.parseLiteral(this.state.value,\\\\"NumericLiteral\\\\"");case o.bigint:return
this.parseLiteral(this.state.value,\\\\"BigIntLiteral\\\\"");case o.decimal:return
this.parseLiteral(this.state.value,\\\\"DecimalLiteral\\\\"");case o.string:return
this.parseLiteral(this.state.value,\\\\"StringLiteral\\\\"");case o._null:return
r=this.startNode(),this.next(),this.finishNode(r,\\\\"NullLiteral\\\\"");case o._true:case o._false:return
this.parseBooleanLiteral();case o.parenL:return this.parseParenAndDistinguishExpression(t);case
o.bracketBarL:case o.bracketHashL:return
this.parseArrayLike(this.state.type===o.bracketBarL?o.bracketBarR:o.bracketR,!1,!0,e);case o.bracketL:return
this.parseArrayLike(o.bracketR,!0,!1,e);case o.braceBarL:case o.braceHashL:return
this.parseObjectLike(this.state.type===o.braceBarL?o.braceBarR:o.braceR,!1,!0,e);case o.braceL:return
this.parseObjectLike(o.braceR,!1,!1,e);case o._function:return this.parseFunctionOrFunctionSent();case
o.at:this.parseDecorators();case o._class:return r=this.startNode(),this.takeDecorators(r),this.parseClass(r,!1);case
o._new:return this.parseNewOrNewTarget();case o.backQuote:return this.parseTemplate(!1);case
o.doubleColon:{r=this.startNode(),this.next(),r.object=null;const
e=r.callee=this.parseNoCallExpr();if(\\\\"MemberExpression\\\\"===e.type)return
this.finishNode(r,\\\\"BindExpression\\\\"");throw this.raise(e.start,y.UnsupportedBind)}case
o.hash:{if(this.state.inPipeline)return
r=this.startNode(),\\\\"smart\\\\"!==this.getPluginOption(\\\\"pipelineOperator\\\\"),\\\\"proposal\\\\"}&&this.raise(r.start,y.
PrimaryTopicRequiresSmartPipeline),this.next(),this.primaryTopicReferenceIsAllowedInCurrentTopicContext()||thi
s.raise(r.start,y.PrimaryTopicNotAllowed),this.registerTopicReference(),this.finishNode(r,\\\\"PipelinePrimaryTopic
Reference\\\\"");const e=this.input.codePointAt(this.state.end);if(O(e)||92===e){const
e=this.state.start;if(r=this.parseMaybePrivateName(!0),this.match(o._in))this.expectPlugin(\\\\"privateIn\\\\"),this.clas
sScope.usePrivateName(r.id.name,r.start);else{if(!this.hasPlugin(\\\\"privateIn\\\\"))throw
this.unexpected(e);this.raise(this.state.start,y.PrivateInExpectedIn,r.id.name)}return r}}case
o.relational:if(\\\\"<\\\\"===this.state.value){const
e=this.input.codePointAt(this.nextTokenStart());(O(e)||62===e)&&this.expectOnePlugin([\\\\"jsx\\\\"],\\\\"flow\\\\"),\\\\"t
ypescript\\\\"))}default:throw this.unexpected()} }parseAsyncArrowUnaryFunction(e){const
t=this.startNodeAtNode(e);this.prodParam.enter(ne(!0,this.prodParam.hasYield));const
r=[this.parseIdentifier()];return
this.prodParam.exit(),this.hasPrecedingLineBreak()&&this.raise(this.state.pos,y.LineTerminatorBeforeArrow),this.e
xpect(o.arrow),this.parseArrowExpression(t,r,!0,t)}parseDo(){this.expectPlugin(\\\\"doExpressions\\\\"");const
e=this.startNode();this.next();const t=this.state.labels;return
this.state.labels=[],e.body=this.parseBlock(),this.state.labels=t,this.finishNode(e,\\\\"DoExpression\\\\"")}parseSuper()
{const e=this.startNode();return

```

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this.next(),!this.match(o.parenL)||this.scope.allowDirectSuper||this.options.allowSuperOutsideMethod?this.scope.all
owSuper||this.options.allowSuperOutsideMethod||this.raise(e.start,y.UnexpectedSuper):this.raise(e.start,y.SuperNot
Allowed),this.match(o.parenL)||this.match(o.bracketL)||this.match(o.dot)||this.raise(e.start,y.UnsupportedSuper),this.
finishNode(e,\\\"Super\\\")}parseBooleanLiteral(){const e=this.startNode();return
e.value=this.match(o._true),this.next(),this.finishNode(e,\\\"BooleanLiteral\\\")}parseMaybePrivateName(e){if(this.
match(o.hash)){this.expectOnePlugin([\\\"classPrivateProperties\\\",\\\"classPrivateMethods\\\"],e)||this.raise(this.sta
te.pos,y.UnexpectedPrivateField);const t=this.startNode();return this.next(),this.assertNoSpace(\\\"Unexpected space
between # and identifier\\\"),t.id=this.parseIdentifier(!0),this.finishNode(t,\\\"PrivateName\\\")}return
this.parseIdentifier(!0)}parseFunctionOrFunctionSent(){const
e=this.startNode();if(this.next(),this.prodParam.hasYield&&this.match(o.dot)){const
t=this.createIdentifier(this.startNodeAtNode(e),\\\"function\\\");return
this.next(),this.parseMetaProperty(e,t,\\\"sent\\\")}return
this.parseFunction(e)}parseMetaProperty(e,t,r){e.meta=t,\\\"function\\\"===t.name&&\\\"sent\\\"===r&&(this.isCon
textual(r)?this.expectPlugin(\\\"functionSent\\\"):this.hasPlugin(\\\"functionSent\\\"))||this.unexpected();const
n=this.state.containsEsc;return
e.property=this.parseIdentifier(!0),(e.property.name!==r|n)&&this.raise(e.property.start,y.UnsupportedMetaPropert
y,t.name,r),this.finishNode(e,\\\"MetaProperty\\\")}parseImportMetaProperty(e){const
t=this.createIdentifier(this.startNodeAtNode(e),\\\"import\\\");return
this.next(),this.isContextual(\\\"meta\\\")&&(this.inModule||this.raiseWithData(t.start,{code:\\\"BABEL_PARSER_
SOURCETYPE_MODULE_REQUIRED\\\"},y.ImportMetaOutsideModule),this.sawUnambiguousESM=!0),this.pa
rseMetaProperty(e,t,\\\"meta\\\")}parseLiteral(e,t,r,n){r=r||this.state.start,n=n||this.state.startLoc;const
i=this.startNodeAt(r,n);return
this.addExtra(i,\\\"rawValue\\\",e),this.addExtra(i,\\\"raw\\\",this.input.slice(r,this.state.end)),i.value=e,this.next(),thi
s.finishNode(i,t)}parseParenAndDistinguishExpression(e){const t=this.state.start,r=this.state.startLoc;let
n;this.next(),this.expressionScope.enter(new ve(1));const
i=this.state.maybeInArrowParameters,s=this.state.inFSharpPipelineDirectBody;this.state.maybeInArrowParameters
=!0,this.state.inFSharpPipelineDirectBody=!1;const a=this.state.start,l=this.state.startLoc,c=[],p=new
Se,u={start:0};let d,h,f=!0;for(;!this.match(o.parenR);){if(f)f=!1;else
if(this.expect(o.comma,u.start||null),this.match(o.parenR)){h=this.state.start;break}if(this.match(o.ellipsis)){const
e=this.state.start,t=this.state.startLoc;d=this.state.start,c.push(this.parseParenItem(this.parseRestBinding(),e,t)),this.c
heckCommaAfterRest(41);break}c.push(this.parseMaybeAssignAllowIn(p,this.parseParenItem,u))}const
m=this.state.lastTokEnd,y=this.state.lastTokEndLoc;this.expect(o.parenR),this.state.maybeInArrowParameters=i,thi
s.state.inFSharpPipelineDirectBody=s;let
T=this.startNodeAt(t,r);if(e&&this.shouldParseArrow())&&(T=this.parseArrow(T)){this.expressionScope.validateA
sPattern(),this.expressionScope.exit();for(let e=0;e<c.length;e++){const
t=c[e];t.extra&&t.extra.parenthesized&&this.unexpected(t.extra.parenStart)}return
this.parseArrowExpression(T,c,!1),T}if(this.expressionScope.exit(),c.length||this.unexpected(this.state.lastTokStart),
h&&this.unexpected(h),d&&this.unexpected(d),this.checkExpressionErrors(p,!0),u.start&&this.unexpected(u.start),
this.toReferencedListDeep(c,!0),c.length>1?(n=this.startNodeAt(a,l),n.expressions=c,this.finishNodeAt(n,\\\"Sequen
ceExpression\\\",m,y)):n=c[0],!this.options.createParenthesizedExpressions)return
this.addExtra(n,\\\"parenthesized\\\",!0),this.addExtra(n,\\\"parenStart\\\",t),n;const b=this.startNodeAt(t,r);return
b.expression=n,this.finishNode(b,\\\"ParenthesizedExpression\\\",b)}shouldParseArrow(){return!this.canInsertSemic
olon()}parseArrow(e){if(this.eat(o.arrow))return e}parseParenItem(e,t,r){return e}parseNewOrNewTarget(){const
e=this.startNode();if(this.next(),this.match(o.dot)){const
t=this.createIdentifier(this.startNodeAtNode(e),\\\"new\\\");this.next();const
r=this.parseMetaProperty(e,t,\\\"target\\\");if(!this.scope.inNonArrowFunction&&!this.scope.inClass){let
e=y.UnexpectedNewTarget;this.hasPlugin(\\\"classProperties\\\")&&(e+=\\\" or class
properties\\\"),this.raise(r.start,e)}return r}return this.parseNew(e)}parseNew(e){return

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e.callee=this.parseNoCallExpr(),\|"Import"\|===e.callee.type?this.raise(e.callee.start,y.ImportCallNotNewExpressi
on):\|"OptionalMemberExpression"\|===e.callee.type\|"OptionalCallExpression"\|===e.callee.type?this.raise(thi
s.state.lastTokEnd,y.OptionalChainingNoNew):this.eat(o.questionDot)&&this.raise(this.state.start,y.OptionalChai
ningNoNew),this.parseNewArguments(e),this.finishNode(e,\|"NewExpression"\|)}parseNewArguments(e){if(this.ea
t(o.parenL)){const t=this.parseExprList(o.parenR);this.toReferencedList(t),e.arguments=t}else
e.arguments=[]}parseTemplateElement(e){const t=this.startNode();return
null===this.state.value&&(e||this.raise(this.state.start+1,y.InvalidEscapeSequenceTemplate)),t.value={raw:this.inpu
t.slice(this.state.start,this.state.end).replace(/\|r\|n?/g,\|"\\\n\|"),cooked:this.state.value},this.next(),t.tail=this.mat
ch(o.backQuote),this.finishNode(t,\|"TemplateElement"\|)}parseTemplate(e){const
t=this.startNode();this.next(),t.expressions=[];let
r=this.parseTemplateElement(e);for(t.quasis=[r];!r.tail;)this.expect(o.dollarBraceL),t.expressions.push(this.parseTe
mplateSubstitution()),this.expect(o.braceR),t.quasis.push(r=this.parseTemplateElement(e));return
this.next(),this.finishNode(t,\|"TemplateLiteral"\|)}parseTemplateSubstitution(){return
this.parseExpression()}parseObjectLike(e,t,r,n){r&&this.expectPlugin(\|"recordAndTuple"\|);const
i=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!1;const s=Object.create(null);let
a=!0;const l=this.startNode();for(l.properties=[],this.next();!this.match(e);){if(a)!0;else
if(this.expect(o.comma),this.match(e)){this.addExtra(l,\|"trailingComma"\|,this.state.lastTokStart);break}const
i=this.parsePropertyDefinition(t,n);t||this.checkProto(i,r,s,n),r&&\|"ObjectProperty"\|!=i.type&&\|"SpreadEleme
nt"\|!=i.type&&this.raise(i.start,y.InvalidRecordProperty),i.shorthand&&this.addExtra(i,\|"shorthand"\|,!0),l.pro
perties.push(i)}this.state.exprAllowed=!1,this.next(),this.state.inFSharpPipelineDirectBody=i;let
c=\|"ObjectExpression"\|;return
t?c=\|"ObjectPattern"\|:r&&(c=\|"RecordExpression"\|),this.finishNode(l,c)}maybeAsyncOrAccessorProp(e){ret
urn!e.computed&&\|"Identifier"\|===e.key.type&&(this.isLiteralPropertyName())||this.match(o.bracketL)||this.mat
ch(o.star))}parsePropertyDefinition(e,t){let
r=[];if(this.match(o.at))for(this.hasPlugin(\|"decorators"\|)&&this.raise(this.state.start,y.UnsupportedPropertyDeco
rator);this.match(o.at);)r.push(this.parseDecorator());const n=this.startNode();let
i,s,a=!1,l=!1,c=!1;if(this.match(o.ellipsis))return
r.length&&this.unexpected(),e?(this.next(),n.argument=this.parseIdentifier(),this.checkCommaAfterRest(125),this.fi
nishNode(n,\|"RestElement"\|):this.parseSpread();r.length&&(n.decorators=r,r=[]),n.method=!1,(e||t)&&(i=this.st
ate.start,s=this.state.startLoc),e||(a=this.eat(o.star));const
p=this.state.containsEsc,u=this.parsePropertyName(n,!1);if(!e&&!a&&!p&&this.maybeAsyncOrAccessorProp(n)){
const
e=u.name;\|"async"\|!=e||this.hasPrecedingLineBreak()|(l=!0,a=this.eat(o.star),this.parsePropertyName(n,!1)),\|"
get"\|!=e&&\|"set"\|!=e||(c=!0,n.kind=e,this.match(o.star)&&(a=!0,this.raise(this.state.pos,y.AccessorIsGenerat
or,e),this.next()),this.parsePropertyName(n,!1))}return
this.parseObjPropValue(n,i,s,a,l,e,c,t),n}getGetterSetterExpectedParamCount(e){return\|"get"\|===e.kind?0:1}get
ObjectOrClassMethodParams(e){return e.params}checkGetterSetterParams(e){var t;const
r=this.getGetterSetterExpectedParamCount(e),n=this.getObjectOrClassMethodParams(e),i=e.start;n.length!==r&&(\
|"get"\|===e.kind?this.raise(i,y.BadGetterArity):this.raise(i,y.BadSetterArity)),\|"set"\|===e.kind&&\|"RestElem
ent"\|===(null==(t=n[n.length-1])?void
0:t.type)&&this.raise(i,y.BadSetterRestParameter)}parseObjectMethod(e,t,r,n,i){return
i?(this.parseMethod(e,t,!1,!1,\|"ObjectMethod"\|),this.checkGetterSetterParams(e),e:r||t||this.match(o.parenL)?(
n&&this.unexpected(),e.kind=\|"method"\|,e.method=!0,this.parseMethod(e,t,r,!1,!1,\|"ObjectMethod"\|):void
0}parseObjectProperty(e,t,r,n,i){return
e.shorthand=!1,this.eat(o.colon)?(e.value=n?this.parseMaybeDefault(this.state.start,this.state.startLoc):this.parseMa
ybeAssignAllowIn(i),this.finishNode(e,\|"ObjectProperty"\|):e.computed\|"Identifier"\|!=e.key.type?void
0:(this.checkReservedWord(e.key.name,e.key.start,!0,!1),n?e.value=this.parseMaybeDefault(t,r,e.key.__clone()):thi
s.match(o.eq)&&i?(-

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l===i.shorthandAssign&&(i.shorthandAssign=this.state.start),e.value=this.parseMaybeDefault(t,r,e.key.__clone())
:e.value=e.key.__clone(),e.shorthand=!0,this.finishNode(e,\\\\"ObjectProperty\\\\\\")})parseObjPropValue(e,t,r,n,i,s,a,o
){const l=this.parseObjectMethod(e,n,i,s,a)||this.parseObjectProperty(e,t,r,s,o);return
l||this.unexpected(),l}parsePropertyName(e,t){if(this.eat(o.bracketL))e.computed=!0,e.key=this.parseMaybeAssign
AllowIn(),this.expect(o.bracketR);else{const
r=this.state.inPropertyName;this.state.inPropertyName=!0,e.key=this.match(o.num)||this.match(o.string)||this.match(
o.bigint)||this.match(o.decimal)?this.parseExprAtom():this.parseMaybePrivateName(t,\\\\"PrivateName\\\\\\"!==(e.key.t
ype&&(e.computed=!1)),this.state.inPropertyName=r)return
e.key}initFunction(e,t){e.id=null,e.generator=!1,e.async=!1}parseMethod(e,t,r,n,i,s,a=!1){this.initFunction(e,r),e.ge
nerator=!1;const o=n;return
this.scope.enter(18|(a?64:0)|(i?32:0)),this.prodParam.enter(ne(r,e.generator)),this.parseFunctionParams(e,o),this.pars
eFunctionBodyAndFinish(e,s,!0),this.prodParam.exit(),this.scope.exit(),e)parseArrayLike(e,t,r,n){r&&this.expectPl
ugin(\\\\"recordAndTuple\\\\\\");const
i=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!1;const s=this.startNode();return
this.next(),s.elements=this.parseExprList(e,!r,n,s),this.state.inFSharpPipelineDirectBody=i,this.finishNode(s,r?\\\\"Tu
pleExpression\\\\\\":\\\\"ArrayExpression\\\\\\")parseArrowExpression(e,t,r,n){this.scope.enter(6);let
i=ne(r,!1);!this.match(o.bracketL)&&this.prodParam.hasIn&&(i=8),this.prodParam.enter(i),this.initFunction(e,r);co
nst s=this.state.maybeInArrowParameters;return
t&&(this.state.maybeInArrowParameters=!0,this.setArrowFunctionParameters(e,t,n)),this.state.maybeInArrowPara
meters=!1,this.parseFunctionBody(e,!0),this.prodParam.exit(),this.scope.exit(),this.state.maybeInArrowParameters=
s,this.finishNode(e,\\\\"ArrowFunctionExpression\\\\\\")}setArrowFunctionParameters(e,t,r){e.params=this.toAssignabl
eList(t,r)parseFunctionBodyAndFinish(e,t,r=!1){this.parseFunctionBody(e,!1,r),this.finishNode(e,t)parseFunction
Body(e,t,r=!1){const
n=t&&!this.match(o.braceL);if(this.expressionScope.enter(we()),n)e.body=this.parseMaybeAssign(),this.checkPara
ms(e,!1,t,!1);else{const
n=this.state.strict,i=this.state.labels;this.state.labels=[],this.prodParam.enter(4|this.prodParam.currentFlags()),e.body
=this.parseBlock(!0,!1,i=>{const s=!this.isSimpleParamList(e.params);if(i&&s){const
t=\\\\"method\\\\\\"!==(e.kind&&\\\\"constructor\\\\\\"!==(e.kind||e.key?e.start:e.key.end);this.raise(t,y.IllegalLanguageMod
eDirective)}const
a=!n&&this.state.strict;this.checkParams(e,(this.state.strict||t||r||s),t,a),this.state.strict&&e.id&&this.checkLVal(e.id,
65,void 0,\\\\"function name\\\\\\",void
0,a)),this.prodParam.exit(),this.expressionScope.exit(),this.state.labels=i}}isSimpleParamList(e){for(let
t=0,r=e.length;t<r;t++)if(\\\\"Identifier\\\\\\"!==(e[t].type))return!1;return!0}checkParams(e,t,r,n=!0){const
i=Object.create(null);for(let r=0;r<e.params.length;r++)this.checkLVal(e.params[r],5,t?null:i,\\\\"function parameter
list\\\\\\",void 0,n)}parseExprList(e,t,r,n){const i=[];let s=!0;for(;!this.eat(e);){if(s)=!1;else
if(this.expect(o.comma),this.match(e)){n&&this.addExtra(n,\\\\"trailingComma\\\\\\",this.state.lastTokStart),this.next();
break}i.push(this.parseExprListItem(t,r))return i}parseExprListItem(e,t,r,n){let
i;if(this.match(o.comma))e||this.raise(this.state.pos,y.UnexpectedToken,\\\\"\\\\\\",i=null;else
if(this.match(o.ellipsis)){const
e=this.state.start,n=this.state.startLoc;i=this.parseParenItem(this.parseSpread(t,r),e,n)}else
if(this.match(o.question)){this.expectPlugin(\\\\"partialApplication\\\\\\",n)||this.raise(this.state.start,y.UnexpectedArgu
mentPlaceholder);const e=this.startNode();this.next(),i=this.finishNode(e,\\\\"ArgumentPlaceholder\\\\\\")}else
i=this.parseMaybeAssignAllowIn(t,this.parseParenItem,r);return i}parseIdentifier(e){const
t=this.startNode(),r=this.parseIdentifierName(t.start,e);return this.createIdentifier(t,r)}createIdentifier(e,t){return
e.name=t,e.loc.identifierName=t,this.finishNode(e,\\\\"Identifier\\\\\\")parseIdentifierName(e,t){let
r;const{start:n,type:i}=this.state;if(i===o.name)r=this.state.value;else{if(!i.keyword)throw
this.unexpected();{r=i.keyword;const
e=this.curContext();i!==o._class&&i!==o._function||e!==g.functionStatement&&e!==g.functionExpression||this.stat

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e.context.pop() } return
t?this.state.type=o.name:this.checkReservedWord(r,n,!i.keyword,!1),this.next(),r } checkReservedWord(e,t,r,n) { if(th
is.prodParam.hasYield&&\\\\"yield\\"===e)return void
this.raise(t,y.YieldBindingIdentifier);if(\\\\"await\\"===e) { if(this.prodParam.hasAwait)return void
this.raise(t,y.AwaitBindingIdentifier);this.expressionScope.recordAsyncArrowParametersError(t,y.AwaitBindingIde
ntifier) } if(this.scope.inClass&&!this.scope.inNonArrowFunction&&\\\\"arguments\\"===e)return void
this.raise(t,y.ArgumentsInClass);if(r&&R(e))return void
this.raise(t,y.UnexpectedKeyword,e);(this.state.strict?n?F:M:L)(e,this.inModule)&&(this.prodParam.hasAwait||\\\\"a
wait\\"!==e?this.raise(t,y.UnexpectedReservedWord,e):this.raise(t,this.hasPlugin(\\\\"topLevelAwait\\")?y.AwaitNo
tInAsyncContext:y.AwaitNotInAsyncFunction)) } isAwaitAllowed() { return
this.scope.inFunction?this.prodParam.hasAwait:!this.options.allowAwaitOutsideFunction||!this.hasPlugin(\\\\"topL
evelAwait\\")&&(this.inModule&&this.prodParam.hasAwait) } parseAwait() { const e=this.startNode();return
this.next(),this.expressionScope.recordParameterInitializerError(e.start,y.AwaitExpressionFormalParameter),this.eat
(o.star)&&this.raise(e.start,y.ObsoleteAwaitStar),this.scope.inFunction||this.options.allowAwaitOutsideFunction||(th
is.hasPrecedingLineBreak()||this.match(o.plusMin)||this.match(o.parenL)||this.match(o.bracketL)||this.match(o.back
Quote)||this.match(o.regexp)||this.match(o.slash)||this.hasPlugin(\\\\"v8intrinsic\\"))&&this.match(o.modulo)?this.am
biguousScriptDifferentAst=!0:this.sawUnambiguousESM=!0),this.state.soloAwait|(e.argument=this.parseMaybeUn
ary()),this.finishNode(e,\\\\"AwaitExpression\\")) } parseYield() { const e=this.startNode();return
this.expressionScope.recordParameterInitializerError(e.start,y.YieldInParameter),this.next(),this.match(o.semi)||!this
.match(o.star)&&!this.state.type.startsExpr||this.hasPrecedingLineBreak()?(e.delegate=!1,e.argument=null):(e.deleg
ate=this.eat(o.star),e.argument=this.parseMaybeAssign()),this.finishNode(e,\\\\"YieldExpression\\")) } checkPipeline
AtInfixOperator(e,t) { \\\\"smart\\"===this.getPluginOption(\\\\"pipelineOperator\\"),\\\\"proposal\\"}&&\\\\"SequenceE
xpression\\"===e.type&&this.raise(t,y.PipelineHeadSequenceExpression) } parseSmartPipelineBody(e,t,r) { return
this.checkSmartPipelineBodyEarlyErrors(e,t),this.parseSmartPipelineBodyInStyle(e,t,r) } checkSmartPipelineBodyE
arlyErrors(e,t) { if(this.match(o.arrow))throw
this.raise(this.state.start,y.PipelineBodyNoArrow);\\\\"SequenceExpression\\"===e.type&&this.raise(t,y.PipelineBo
dySequenceExpression) } parseSmartPipelineBodyInStyle(e,t,r) { const
n=this.startNodeAt(t,r),i=this.isSimpleReference(e);return
i?n.callee=e:(this.topicReferenceWasUsedInCurrentTopicContext()||this.raise(t,y.PipelineTopicUnused),n.expressio
n=e),this.finishNode(n,i?\\\\"PipelineBareFunction\\":\\\\"PipelineTopicExpression\\")) } isSimpleReference(e) { switch
(e.type) { case\\\\"MemberExpression\\" : return!e.computed&&this.isSimpleReference(e.object); case\\\\"Identifier\\" : r
eturn!0; default: return!1 } } withTopicPermittingContext(e) { const
t=this.state.topicContext;this.state.topicContext={ maxNumOfResolvableTopics:1,maxTopicIndex:null };try { return
e() } finally { this.state.topicContext=t } } withTopicForbiddingContext(e) { const
t=this.state.topicContext;this.state.topicContext={ maxNumOfResolvableTopics:0,maxTopicIndex:null };try { return
e() } finally { this.state.topicContext=t } } withSoloAwaitPermittingContext(e) { const
t=this.state.soloAwait;this.state.soloAwait=!0;try { return e() } finally { this.state.soloAwait=t } } allowInAnd(e) { const
t=this.prodParam.currentFlags;if(8&~t) { this.prodParam.enter(8|t);try { return
e() } finally { this.prodParam.exit() } } return e() } disallowInAnd(e) { const
t=this.prodParam.currentFlags;if(8&t) { this.prodParam.enter(-9&t);try { return
e() } finally { this.prodParam.exit() } } return
e() } registerTopicReference() { this.state.topicContext.maxTopicIndex=0 } primaryTopicReferenceIsAllowedInCurrent
TopicContext() { return
this.state.topicContext.maxNumOfResolvableTopics>=1 } topicReferenceWasUsedInCurrentTopicContext() { return
null!=this.state.topicContext.maxTopicIndex&&this.state.topicContext.maxTopicIndex>=0 } parseFSharpPipelineBo
dy(e) { const t=this.state.start,r=this.state.startLoc;this.state.potentialArrowAt=this.state.start;const
n=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!0;const
i=this.parseExprOp(this.parseMaybeUnary(),t,r,e);return

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this.state.inFSharpPipelineDirectBody=n,i } } { parseTopLevel(e,t){ if(t.sourceType=this.options.sourceType,t.interpre
ter=this.parseInterpreterDirective(),this.parseBlockBody(t,!0,!0,o.eof),this.inModule&&!this.options.allowUndeclar
edExports&&this.scope.undefinedExports.size>0)for(let
e=0,t=Array.from(this.scope.undefinedExports);e<t.length;e++){ const[r]=t[e],n=this.scope.undefinedExports.get(r);
this.raise(n,y.ModuleExportUndefined,r)}return
e.program=this.finishNode(t,\\\\"Program\\\\"),e.comments=this.state.comments,this.options.tokens&&(e.tokens=this.
tokens),this.finishNode(e,\\\\"File\\\\"))stmtToDirective(e){ const
t=e.expression,r=this.startNodeAt(t.start,t.loc.start),n=this.startNodeAt(e.start,e.loc.start),i=this.input.slice(t.start,t.en
d),s=r.value=i.slice(1,-1);return
this.addExtra(r,\\\\"raw\\\\" ,i),this.addExtra(r,\\\\"rawValue\\\\" ,s),n.value=this.finishNodeAt(r,\\\\"DirectiveLiteral\\\\" ,t.e
nd,t.loc.end),this.finishNodeAt(n,\\\\"Directive\\\\" ,e.end,e.loc.end)}parseInterpreterDirective(){ if(!this.match(o.interp
reterDirective))return null;const e=this.startNode();return
e.value=this.state.value,this.next(),this.finishNode(e,\\\\"InterpreterDirective\\\\"))isLet(e){ if(!this.isContextual(\\\\"let
\\\\"))return!1;const
t=this.nextTokenStart(),r=this.input.charCodeAtAt(t);if(91===r)return!0;if(e)return!1;if(123===r)return!0;if(O(r)){ let
e=t+1;for(;I(this.input.charCodeAtAt(e));)++e;const
r=this.input.slice(t,e);if(!B.test(r))return!0}return!1}parseStatement(e,t){ return
this.match(o.at)&&this.parseDecorators(!0),this.parseStatementContent(e,t)}parseStatementContent(e,t){ let
r=this.state.type;const n=this.startNode();let i;switch(this.isLet(e)&&(r=o._var,i=\\\\"let\\\\"),r){ case o._break:case
o._continue:return this.parseBreakContinueStatement(n,r.keyword);case o._debugger:return
this.parseDebuggerStatement(n);case o._do:return this.parseDoStatement(n);case o._for:return
this.parseForStatement(n);case o._function:if(46===this.lookaheadCharCode())break;return
e&&(this.state.strict?this.raise(this.state.start,y.StrictFunction):\\\\"if\\\\" !==e&&\\\\"label\\\\" !==e&&this.raise(this.stat
e.start,y.SloppyFunction)),this.parseFunctionStatement(n,!1,e);case o._class:return
e&&this.unexpected(),this.parseClass(n,!0);case o._if:return this.parseIfStatement(n);case o._return:return
this.parseReturnStatement(n);case o._switch:return this.parseSwitchStatement(n);case o._throw:return
this.parseThrowStatement(n);case o._try:return this.parseTryStatement(n);case o._const:case o._var:return
i=i||this.state.value,e&&\\\\"var\\\\" !==i&&this.raise(this.state.start,y.UnexpectedLexicalDeclaration),this.parseVarSta
tement(n,i);case o._while:return this.parseWhileStatement(n);case o._with:return this.parseWithStatement(n);case
o.braceL:return this.parseBlock();case o.semi:return this.parseEmptyStatement(n);case o._import: { const
e=this.lookaheadCharCode();if(40===e||46===e)break }case o._export: { let e;return
this.options.allowImportExportEverywhere||t||this.raise(this.state.start,y.UnexpectedImportExport),this.next(),r===o.
_import?(e=this.parseImport(n),\\\\"ImportDeclaration\\\\" !==e.type||e.importKind&&\\\\"value\\\\" !==e.importKind||(t
his.sawUnambiguousESM=!0)):e=this.parseExport(n),(\\\\"ExportNamedDeclaration\\\\" !==e.type||e.exportKind&&\\\\"
value\\\\" !==e.exportKind)&&(\\\\"ExportAllDeclaration\\\\" !==e.type||e.exportKind&&\\\\"value\\\\" !==e.exportKin
d)&&\\\\"ExportDefaultDeclaration\\\\" !==e.type||(this.sawUnambiguousESM=!0)),this.assertModuleNodeAllowed(n
),e}default:if(this.isAsyncFunction())return
e&&this.raise(this.state.start,y.AsyncFunctionInSingleStatementContext),this.next(),this.parseFunctionStatement(n,!
0,!e)}const s=this.state.value,a=this.parseExpression();return
r===o.name&&\\\\"Identifier\\\\" ===a.type&&this.eat(o.colon)?this.parseLabeledStatement(n,s,a,e):this.parseExpress
ionStatement(n,a)}assertModuleNodeAllowed(e){ this.options.allowImportExportEverywhere||this.inModule||this.rai
seWithData(e.start,{code:\\\\"BABEL_PARSER_SOURCETYPE_MODULE_REQUIRED\\\\"},y.ImportOutsideMo
dule)}takeDecorators(e){ const t=this.state.decoratorStack[this.state.decoratorStack.length-
1];t.length&&(e.decorators=t,this.resetStartLocationFromNode(e,t[0]),this.state.decoratorStack[this.state.decoratorS
tack.length-1]=[])canHaveLeadingDecorator(){ return this.match(o._class)}parseDecorators(e){ const
t=this.state.decoratorStack[this.state.decoratorStack.length-1];for(;this.match(o.at);){ const
e=this.parseDecorator();t.push(e)}if(this.match(o._export))e||this.unexpected(),this.hasPlugin(\\\\"decorators\\\\")&&!t
his.getPluginOption(\\\\"decorators\\\\" ,\\\\"decoratorsBeforeExport\\\\")&&this.raise(this.state.start,y.DecoratorExport

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Class);else if(!this.canHaveLeadingDecorator())throw
this.raise(this.state.start,y.UnexpectedLeadingDecorator)}parseDecorator(){this.expectOnePlugin(["decorators-
legacy","decorators"]);const
e=this.startNode();if(this.next(),this.hasPlugin(["decorators"])){this.state.decoratorStack.push([]);const
t=this.state.start,r=this.state.startLoc;let n;if(this.eat(o.parenL))n=this.parseExpression(),this.expect(o.parenR);else
for(n=this.parseIdentifier(!1);this.eat(o.dot);){const
e=this.startNodeAt(t,r);e.object=n,e.property=this.parseIdentifier(!0),e.computed=!1,n=this.finishNode(e,["Membe
rExpression"]);e.expression=this.parseMaybeDecoratorArguments(n,this.state.decoratorStack.pop())}else
e.expression=this.parseExprSubscripts();return
this.finishNode(e,["Decorator"]);parseMaybeDecoratorArguments(e){if(this.eat(o.parenL)){const
t=this.startNodeAtNode(e);return
t.callee=e,t.arguments=this.parseCallExpressionArguments(o.parenR,!1),this.toReferencedList(t.arguments),this.fini
shNode(t,["CallExpression"]);return e}parseBreakContinueStatement(e,t){const r=["break"]===t;return
this.next(),this.isLineTerminator()?e.label=null:(e.label=this.parseIdentifier(),this.semicolon()),this.verifyBreakCont
inue(e,t),this.finishNode(e,r?["BreakStatement"]:"ContinueStatement")}verifyBreakContinue(e,t){const
r=["break"]===t;let n;for(n=0;n<this.state.labels.length;++n){const
t=this.state.labels[n];if(null==e.label||t.name===e.label.name){if(null!=t.kind&&(r["loop"]===t.kind))break;if(e.
label&&r)break}}n===this.state.labels.length&&this.raise(e.start,y.IllegalBreakContinue,t)}parseDebuggerStateme
nt(e){return
this.next(),this.semicolon(),this.finishNode(e,["DebuggerStatement"]);parseHeaderExpression(){this.expect(o.parenL);const e=this.parseExpression();return this.expect(o.parenR),e}parseDoStatement(e){return
this.next(),this.state.labels.push(Oe),e.body=this.withTopicForbiddingContext(=>this.parseStatement(["do"]),th
is.state.labels.pop(),this.expect(o._while),e.test=this.parseHeaderExpression(),this.eat(o.semi),this.finishNode(e,["
DoWhileStatement"]);parseForStatement(e){this.next(),this.state.labels.push(Oe);let t=-
1;if(this.isAwaitAllowed()&&this.eatContextual(["await"])&&(t=this.state.lastTokStart),this.scope.enter(0),this.e
xpect(o.parenL),this.match(o.semi))return t>-1&&this.unexpected(t),this.parseFor(e,null);const
r=this.isLet();if(this.match(o._var)||this.match(o._const)||r){const
n=this.startNode(),i=r?["let"]:"this.state.value";return
this.next(),this.parseVar(n,!0,i),this.finishNode(n,["VariableDeclaration"]),(this.match(o._in)||this.isContextual(["
of"])&&1===n.declarations.length?this.parseForIn(e,n,t):(t>-1&&this.unexpected(t),this.parseFor(e,n))}const
n=new Se,i=this.parseExpression(!0,n);if(this.match(o._in)||this.isContextual(["of"]){this.toAssignable(i);const
r=this.isContextual(["of"])?["for-of statement"]:"for-in statement";return this.checkLVal(i,void 0,void
0,r),this.parseForIn(e,i,t)}return this.checkExpressionErrors(n,!0),t>-
1&&this.unexpected(t),this.parseFor(e,i)}parseFunctionStatement(e,t,r){return
this.next(),this.parseFunction(e,1|(r?0:2),t)}parseIfStatement(e){return
this.next(),e.test=this.parseHeaderExpression(),e.consequent=this.parseStatement(["if"]),e.alternate=this.eat(o._el
se)?this.parseStatement(["if"]):null,this.finishNode(e,["IfStatement"]);parseReturnStatement(e){return
this.prodParam.hasReturn||this.options.allowReturnOutsideFunction||this.raise(this.state.start,y.IllegalReturn),this.ne
xt(),this.isLineTerminator()?e.argument=null:(e.argument=this.parseExpression(),this.semicolon()),this.finishNode(
e,["ReturnStatement"]);parseSwitchStatement(e){this.next(),e.discriminant=this.parseHeaderExpression();const
t=e.cases=[];let
r,n;for(this.expect(o.braceL),this.state.labels.push(Ie),this.scope.enter(0);!this.match(o.braceR);if(this.match(o._cas
e)||this.match(o._default)){const
e=this.match(o._case);r&&this.finishNode(r,["SwitchCase"]),t.push(r=this.startNode()),r.consequent=[],this.next(
),e?r.test=this.parseExpression():(n&&this.raise(this.state.lastTokStart,y.MultipleDefaultsInSwitch),n=!0,r.test=null)
,this.expect(o.colon)}else r?r.consequent.push(this.parseStatement(null)):this.unexpected();return
this.scope.exit(),r&&this.finishNode(r,["SwitchCase"]),this.next(),this.state.labels.pop(),this.finishNode(e,["Swit
chStatement"]);parseThrowStatement(e){return

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this.next(),this.hasPrecedingLineBreak()&&this.raise(this.state.lastTokEnd,y.NewLineAfterThrow),e.argument=this.
parseExpression(),this.semicolon(),this.finishNode(e,\\\\"ThrowStatement\\\\"})parseCatchClauseParam(){const
e=this.parseBindingAtom(),t=\\\\"Identifier\\\\"===e.type;return
this.scope.enter(t?8:0),this.checkLVal(e,9,null,\\\\"catch
clause\\\\"),e}parseTryStatement(e){if(this.next(),e.block=this.parseBlock(),e.handler=null,this.match(o._catch)){con
st
t=this.startNode();this.next(),this.match(o.parenL)?(this.expect(o.parenL),t.param=this.parseCatchClauseParam(),thi
s.expect(o.parenR)):(t.param=null,this.scope.enter(0)),t.body=this.withTopicForbiddingContext(=>this.parseBlock
(!1,!1)),this.scope.exit(),e.handler=this.finishNode(t,\\\\"CatchClause\\\\"})return
e.finalizer=this.eat(o._finally)?this.parseBlock():null,e.handler||e.finalizer||this.raise(e.start,y.NoCatchOrFinally),this
.finishNode(e,\\\\"TryStatement\\\\"})parseVarStatement(e,t){return
this.next(),this.parseVar(e,!1,t),this.semicolon(),this.finishNode(e,\\\\"VariableDeclaration\\\\"})parseWhileStatement(
e){return
this.next(),e.test=this.parseHeaderExpression(),this.state.labels.push(Oe),e.body=this.withTopicForbiddingContext((
=>this.parseStatement(\\\\"while\\\\")),this.state.labels.pop(),this.finishNode(e,\\\\"WhileStatement\\\\"})parseWithStat
ement(e){return
this.state.strict&&this.raise(this.state.start,y.StrictWith),this.next(),e.object=this.parseHeaderExpression(),e.body=th
is.withTopicForbiddingContext(=>this.parseStatement(\\\\"with\\\\")),this.finishNode(e,\\\\"WithStatement\\\\"})parse
EmptyStatement(e){return
this.next(),this.finishNode(e,\\\\"EmptyStatement\\\\"})parseLabeledStatement(e,t,r,n){for(let
e=0,n=this.state.labels;e<n.length;e++){n[e].name===t&&this.raise(r.start,y.LabelRedeclaration,t)}const
i=this.state.type.isLoop?\\\\"loop\\\\":this.match(o._switch)?\\\\"switch\\\\":null;for(let t=this.state.labels.length-
1;t>=0;t--){const
r=this.state.labels[t];if(r.statementStart!==e.start)break;r.statementStart=this.state.start,r.kind=i}return
this.state.labels.push({name:t,kind:i,statementStart:this.state.start}),e.body=this.parseStatement(n?-
1===n.indexOf(\\\\"label\\\\")?n+\\\\"label\\\\":n:\\\\"label\\\\"),this.state.labels.pop(),e.label=r,this.finishNode(e,\\\\"Label
edStatement\\\\"})parseExpressionStatement(e,t){return
e.expression=t,this.semicolon(),this.finishNode(e,\\\\"ExpressionStatement\\\\"})parseBlock(e=!1,t=!0,r){const
n=this.startNode();return
this.expect(o.braceL),t&&this.scope.enter(0),this.parseBlockBody(n,e,!1,o.braceR,r),t&&this.scope.exit(),this.finish
Node(n,\\\\"BlockStatement\\\\"})isValidDirective(e){return\\\\"ExpressionStatement\\\\"===e.type&&\\\\"StringLiteral\\
\\\\"===e.expression.type&&!e.expression.extra.parenthesized}parseBlockBody(e,t,r,n,i){const
s=e.body=[],a=e.directives=[];this.parseBlockOrModuleBlockBody(s,t?a:void
0,r,n,i)}parseBlockOrModuleBlockBody(e,t,r,n,i){const s=[],a=this.state.strict;let
o=!1,l=!1;for(;!this.match(n);){!l&&this.state.octalPositions.length&&s.push(...this.state.octalPositions);const
n=this.parseStatement(null,r);if(t&&!l&&this.isValidDirective(n)){const
e=this.stmtToDirective(n);t.push(e),o||\\\\"use strict\\\\"!==e.value.value||(o=!0,this.setStrict(!0))}else
l=!0,e.push(n)}if(this.state.strict&&s.length)for(let e=0;e<s.length;e++){const
t=s[e];this.raise(t,y.StrictOctalLiteral)}i&&i.call(this,o),a||this.setStrict(!1),this.next()}parseFor(e,t){return
e.init=t,this.expect(o.semi),e.test=this.match(o.semi)?null:this.parseExpression(),this.expect(o.semi),e.update=this.m
atch(o.parenR)?null:this.parseExpression(),this.expect(o.parenR),e.body=this.withTopicForbiddingContext(=>this.
parseStatement(\\\\"for\\\\")),this.scope.exit(),this.state.labels.pop(),this.finishNode(e,\\\\"ForStatement\\\\"})parseForIn
(e,t,r){const n=this.match(o._in);return this.next(),n?r>-1&&this.unexpected(r):e.await=r>-
1,\\\\"VariableDeclaration\\\\"!==t.type||null===t.declarations[0].init||n&&!this.state.strict&&\\\\"var\\\\"===t.kind&&\\\\"
Identifier\\\\"===t.declarations[0].id.type?\\\\"AssignmentPattern\\\\"===t.type&&this.raise(t.start,y.InvalidLhs,\\\\"for
-loop\\\\"):this.raise(t.start,y.ForInOfLoopInitializer,n?\\\\"for-in\\\\":\\\\"for-
of\\\\"),e.left=t,e.right=n?this.parseExpression():this.parseMaybeAssignAllowIn(),this.expect(o.parenR),e.body=this.
withTopicForbiddingContext(=>this.parseStatement(\\\\"for\\\\")),this.scope.exit(),this.state.labels.pop(),this.finishN

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ode(e,n?"ForInStatement":"ForOfStatement")}parseVar(e,t,r){const
n=e.declarations=[],i=this.hasPlugin("typescript");for(e.kind=r;){const
e=this.startNode();if(this.parseVarId(e,r),this.eat(o.eq)?e.init=t?this.parseMaybeAssignDisallowIn():this.parseMaybeAssignAllowIn():("const"!=r||this.match(o._in)||this.isContextual("of"))?"Identifier"===e.id.type|t&&(this.match(o._in)||this.isContextual("of"))||this.raise(this.state.lastTokEnd.y.DeclarationMissingInitializer,"Complex binding patterns"):i||this.raise(this.state.lastTokEnd.y.DeclarationMissingInitializer,"Const declarations"),e.init=null,n.push(this.finishNode(e,"VariableDeclarator")),!this.eat(o.comma))break }return e}parseVarId(e,t){e.id=this.parseBindingAtom(),this.checkLVal(e.id,"var"===t?5:9,void 0,"variable declaration","var"!==t)}parseFunction(e,t=0,r=!1){const n=1&t,i=2&t,s=!(n|4&t);this.initFunction(e,r),this.match(o.star)&&i&&this.raise(this.state.start.y.GeneratorInSingleStatementContext),e.generator=this.eat(o.star),n&&(e.id=this.parseFunctionId(s));const a=this.state.maybeInArrowParameters;return this.state.maybeInArrowParameters=!1,this.scope.enter(2),this.prodParam.enter(ne(r,e.generator),n|(e.id=this.parseFunctionId()),this.parseFunctionParams(e,!1),this.withTopicForbiddingContext(=>{this.parseFunctionBodyAndFinish(e,n?"FunctionDeclaration":"FunctionExpression"))},this.prodParam.exit(),this.scope.exit(),n&&!i&&this.registerFunctionStatementId(e),this.state.maybeInArrowParameters=a,e }parseFunctionId(e){return e||this.match(o.name)?this.parseIdentifier():null }parseFunctionParams(e,t){this.expect(o.parenL),this.expressionScope.enter(new Pe(3)),e.params=this.parseBindingList(o.parenR,41,!1,t),this.expressionScope.exit()}registerFunctionStatementId(e){e.id&&this.scope.declareName(e.id.name,this.state.strict|e.generator|e.async?this.scope.treatFunctionsAsVar?5:9:17,e.id.start)}parseClass(e,t,r){this.next(),this.takeDecorators(e);const n=this.state.strict;return this.state.strict=!0,this.parseClassId(e,t,r),this.parseClassSuper(e),e.body=this.parseClassBody(!e.superClass,n),this.finishNode(e?"ClassDeclaration":"ClassExpression")}isClassProperty(){return this.match(o.eq)||this.match(o.semi)||this.match(o.braceR)}isClassMethod(){return this.match(o.parenL)}isNonstaticConstructor(e){return!(e.computed|e.static||"constructor"!==e.key.name&&"constructor"!==e.key.value)}parseClassBody(e,t){this.classScope.enter();const r={constructorAllowsSuper:e,hadConstructor:!1,hadStaticBlock:!1};let n=[];const i=this.startNode();if(i.body=[],this.expect(o.braceL),this.withTopicForbiddingContext(=>{for(;!this.match(o.braceR);){if(this.eat(o.semi)){if(n.length>0)throw this.raise(this.state.lastTokEnd.y.DecoratorSemicolon);continue }if(this.match(o.at)){n.push(this.parseDecorator());continue }const e=this.startNode();n.length&&(e.decorators=n,this.resetStartLocationFromNode(e,n[0]),n=[]),this.parseClassMember(i,e,r,"constructor"===e.kind&&e.decorators&&e.decorators.length>0&&this.raise(e.start.y.DecoratorConstructor)}),this.state.strict=t,this.next(),n.length)throw this.raise(this.state.start.y.TrailingDecorator);return this.classScope.exit(),this.finishNode(i,"ClassBody")}parseClassMemberFromModifier(e,t){const r=this.parseIdentifier(!0);if(this.isClassMethod()){const n=t;return n.kind="method",n.computed=!1,n.key=r,n.static=!1,this.pushClassMethod(e,n,!1,!1,!1,!1,!1,!1)}if(this.isClassProperty()){const n=t;return n.computed=!1,n.key=r,n.static=!1,e.body.push(this.parseClassProperty(n),!0)}return!1 }parseClassMember(e,t,r){const n=this.isContextual("static");if(n){if(this.parseClassMemberFromModifier(e,t))return;if(this.eat(o.braceL))return n void this.parseClassStaticBlock(e,t,r)}this.parseClassMemberWithIsStatic(e,t,r,n)}parseClassMemberWithIsStatic(e,t,r,n){const i=t,s=t,a=t,l=t,c=i,p=i;if(t.static=n,this.eat(o.star))return c.kind="method",this.parseClassElementName(c),"PrivateName"===c.key.type?void this.pushClassPrivateMethod(e,s,!0,!1):(this.isNonstaticConstructor(i)&&this.raise(i.key.start.y.ConstructorIsGenerator),void this.pushClassMethod(e,i,!0,!1,!1,!1));const u=this.state.containsEsc,d=this.parseClassElementName(t),h="PrivateName"===d.type,f="Identifier"===d.

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type,m=this.state.start;if(this.parsePostMemberNameModifiers(p),this.isClassMethod()){if(c.kind=\\\\"method\\\\",h)r
return void this.pushClassPrivateMethod(e,s,!1,!1);const t=this.isNonstaticConstructor(i);let
n=!1;t&&(i.kind=\\\\"constructor\\\\",r.hadConstructor&&!this.hasPlugin(\\\\"typescript\\\\")&&this.raise(d.start,y.Duple
licateConstructor),r.hadConstructor=!0,n=r.constructorAllowsSuper),this.pushClassMethod(e,i,!1,!1,t,n)}else
if(this.isClassProperty())h?this.pushClassPrivateProperty(e,l):this.pushClassProperty(e,a);else
if(!f|\\\\"async\\\\"!==d.name|u|this.isLineTerminator())!f|\\\\"get\\\\"!==d.name&&\\\\"set\\\\"!==d.name|u|this.match(
o.star)&&this.isLineTerminator()?this.isLineTerminator()?h?this.pushClassPrivateProperty(e,l):this.pushClassPrope
rty(e,a):this.unexpected():(c.kind=d.name,this.parseClassNameElement(i,\\\\"PrivateName\\\\"===c.key.type?this.pu
shClassPrivateMethod(e,s,!1,!1):(this.isNonstaticConstructor(i)&&this.raise(i.key.start,y.ConstructorIsAccessor),thi
s.pushClassMethod(e,i,!1,!1,!1)),this.checkGetterSetterParams(i));else{const
t=this.eat(o.star);p.optional&&this.unexpected(m),c.kind=\\\\"method\\\\",this.parseClassNameElement(c),this.parseP
ostMemberNameModifiers(p),\\\\"PrivateName\\\\"===c.key.type?this.pushClassPrivateMethod(e,s,t,!0):(this.isNonst
aticConstructor(i)&&this.raise(i.key.start,y.ConstructorIsAsync),this.pushClassMethod(e,i,t,!0,!1,!1))}}parseClassE
lementName(e){const t=this.parsePropertyName(e,!0);return
e.computed||e.static|\\\\"prototype\\\\"!==t.name&&\\\\"prototype\\\\"!==t.value|this.raise(t.start,y.StaticPrototype),\\\\"
PrivateName\\\\"===t.type&&\\\\"constructor\\\\"===t.id.name&&this.raise(t.start,y.ConstructorClassPrivateField),t}p
arseClassStaticBlock(e,t,r){var
n;this.expectPlugin(\\\\"classStaticBlock\\\\",t.start),this.scope.enter(80),this.expressionScope.enter(we());const
i=this.state.labels;this.state.labels=[],this.prodParam.enter(0);const
s=t.body=[];this.parseBlockOrModuleBlockBody(s,void
0,!1,o.braceR),this.prodParam.exit(),this.expressionScope.exit(),this.scope.exit(),this.state.labels=i,e.body.push(this.
finishNode(t,\\\\"StaticBlock\\\\"),r.hadStaticBlock&&this.raise(t.start,y.DuplicateStaticBlock),(null==(n=t.decorator
s)?void
0:n.length)&&this.raise(t.start,y.DecoratorStaticBlock),r.hadStaticBlock=!0}pushClassProperty(e,t){t.computed|\\\\"
constructor\\\\"!==t.key.name&&\\\\"constructor\\\\"!==t.key.value|this.raise(t.key.start,y.ConstructorClassField),e.bo
dy.push(this.parseClassProperty(t))}pushClassPrivateProperty(e,t){this.expectPlugin(\\\\"classPrivateProperties\\\\",t.
key.start);const
r=this.parseClassPrivateProperty(t);e.body.push(r),this.classScope.declarePrivateName(r.key.id.name,0,r.key.start)}
pushClassMethod(e,t,r,n,i,s){e.body.push(this.parseMethod(t,r,n,i,s,\\\\"ClassMethod\\\\",!0))}pushClassPrivateMetho
d(e,t,r,n){this.expectPlugin(\\\\"classPrivateMethods\\\\",t.key.start);const
i=this.parseMethod(t,r,n,!1,!1,\\\\"ClassPrivateMethod\\\\",!0);e.body.push(i);const
s=\\\\"get\\\\"===i.kind?i.static?6:2:\\\\"set\\\\"===i.kind?i.static?5:1:0;this.classScope.declarePrivateName(i.key.id.na
me,s,i.key.start)}parsePostMemberNameModifiers(e){return
this.parseInitializer(e),this.semicolon(),this.finishNode(e,\\\\"ClassPrivateProperty\\\\")}parseClassProperty(e){return
e.typeAnnotation&&!this.match(o.eq)|this.expectPlugin(\\\\"classProperties\\\\"),this.parseInitializer(e),this.semicolo
n(),this.finishNode(e,\\\\"ClassProperty\\\\")}parseInitializer(e){this.scope.enter(80),this.expressionScope.enter(we()),
this.prodParam.enter(0),e.value=this.eat(o.eq)?this.parseMaybeAssignAllowIn():null,this.expressionScope.exit(),thi
s.prodParam.exit(),this.scope.exit()}parseClassId(e,t,r,n=139){this.match(o.name)?(e.id=this.parseIdentifier(),t&&th
is.checkLVal(e.id,n,void 0,\\\\"class
name\\\\"):r|!t?e.id=null:this.unexpected(null,y.MissingClassName)}parseClassSuper(e){e.superClass=this.eat(o._e
xtends)?this.parseExprSubscripts():null}parseExport(e){const
t=this.maybeParseExportDefaultSpecifier(e),r=!t|this.eat(o.comma),n=r&&this.eatExportStar(e),i=n&&this.maybeP
arseExportNamespaceSpecifier(e),s=r&&(i|this.eat(o.comma)),a=t|n;if(n&&!i)return
t&&this.unexpected(),this.parseExportFrom(e,!0),this.finishNode(e,\\\\"ExportAllDeclaration\\\\");const
l=this.maybeParseExportNamedSpecifiers(e);if(t&&r&&!n&&!i&&s&&!l)throw
this.unexpected(null,o.braceL);let
c;if(a|l?(c=!1,this.parseExportFrom(e,a)):c=this.maybeParseExportDeclaration(e,a|l|c)return
this.checkExport(e,!0,!1,!e.source),this.finishNode(e,\\\\"ExportNamedDeclaration\\\\");if(this.eat(o._default))return

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e.declaration=this.parseExportDefaultExpression(),this.checkExport(e,!0,!0),this.finishNode(e,\\\`ExportDefaultDec
laration\\\`);throw this.unexpected(null,o.braceL)}eatExportStar(e){return
this.eat(o.star)}maybeParseExportDefaultSpecifier(e){if(this.isExportDefaultSpecifier()){this.expectPlugin(\\\`expo
rtDefaultFrom\\\`);const t=this.startNode();return
t.exported=this.parseIdentifier(!0),e.specifiers=[this.finishNode(t,\\\`ExportDefaultSpecifier\\\`),!0]return!1}maybe
ParseExportNamespaceSpecifier(e){if(this.isContextual(\\\`as\\\`)){e.specifiers||(e.specifiers=[]);const
t=this.startNodeAt(this.state.lastTokStart,this.state.lastTokStartLoc);return
this.next(),t.exported=this.parseModuleExportName(),e.specifiers.push(this.finishNode(t,\\\`ExportNamespaceSpeci
fier\\\`)),!0}return!1}maybeParseExportNamedSpecifiers(e){return!!this.match(o.braceL)&&(e.specifiers||(e.specifi
ers=[]),e.specifiers.push(...this.parseExportSpecifiers()),e.source=null,e.declaration=null,!0)}maybeParseExportDecl
aration(e){return!!this.shouldParseExportDeclaration()&&(e.specifiers=[],e.source=null,e.declaration=this.parseExp
ortDeclaration(e,!0)}isAsyncFunction(){if(!this.isContextual(\\\`async\\\`))return!1;const
e=this.nextTokenStart();return!.test(this.input.slice(this.state.pos,e))&&this.isUnparsedContextual(e,\\\`function\\\`
)}parseExportDefaultExpression(){const
e=this.startNode(),t=this.isAsyncFunction();if(this.match(o._function)||t)return
this.next(),t&&this.next(),this.parseFunction(e,5,t);if(this.match(o._class))return
this.parseClass(e,!0,!0);if(this.match(o.at))return
this.hasPlugin(\\\`decorators\\\`)&&this.getPluginOption(\\\`decorators\\\`,\\\`decoratorsBeforeExport\\\`)&&this.rai
se(this.state.start,y.DecoratorBeforeExport),this.parseDecorators(!1),this.parseClass(e,!0,!0);if(this.match(o._const)||
this.match(o._var)||this.isLet())throw this.raise(this.state.start,y.UnsupportedDefaultExport);{const
e=this.parseMaybeAssignAllowIn();return this.semicolon(),e}}parseExportDeclaration(e){return
this.parseStatement(null)}isExportDefaultSpecifier(){if(this.match(o.name)){const
e=this.state.value;if(\\\`async\\\`===e&&!this.state.containsEsc||\\\`let\\\`===e)return!1;if(\\\`type\\\`===e||\\\`interf
ace\\\`===e)&&!this.state.containsEsc){const
e=this.lookahead();if(e.type===o.name&&\\\`from\\\`!==e.value||e.type===o.braceL)return
this.expectOnePlugin([\\\`flow\\\`,\\\`typescript\\\`],!1)}else if(!this.match(o._default))return!1;const
e=this.nextTokenStart(),t=this.isUnparsedContextual(e,\\\`from\\\`);if(44===this.input.charCodeAtAt(e)||this.match(o.
name)&&t)return!0;if(this.match(o._default)&&t){const
t=this.input.charCodeAtAt(this.nextTokenStartSince(e+4));return
34===t||39===t}return!1}parseExportFrom(e,t){if(this.eatContextual(\\\`from\\\`)){e.source=this.parseImportSourc
e(),this.checkExport(e);const t=this.maybeParseImportAssertions();t&&(e.assertions=t)}else
t?this.unexpected():e.source=null;this.semicolon()}shouldParseExportDeclaration(){if(this.match(o.at)&&(this.expe
ctOnePlugin([\\\`decorators\\\`,\\\`decorators-
legacy\\\`]),this.hasPlugin(\\\`decorators\\\`)))if(!this.getPluginOption(\\\`decorators\\\`,\\\`decoratorsBeforeExport
\\\`))return!0;this.unexpected(this.state.start,y.DecoratorBeforeExport)}return\\\`var\\\`===this.state.type.keyword||\\\`
const\\\`===this.state.type.keyword||\\\`function\\\`===this.state.type.keyword||\\\`class\\\`===this.state.type.keyw
ord||this.isLet()||this.isAsyncFunction()}checkExport(e,t,r,n){if(t)if(r){if(this.checkDuplicateExports(e,\\\`default\\\`
),this.hasPlugin(\\\`exportDefaultFrom\\\`)){var i;const
t=e.declaration;\\\`Identifier\\\`!==t.type||\\\`from\\\`!==t.name||t.end-t.start!==4||(null==(i=t.extra)?void
0:i.parentesized)||this.raise(t.start,y.ExportDefaultFromAsIdentifier)}else
if(e.specifiers&&e.specifiers.length)for(let t=0,r=e.specifiers;t<r.length;t++){const
e=r[t],{exported:i}=e,s=\\\`Identifier\\\`===i.type?i.name:i.value;if(this.checkDuplicateExports(e,s,!n&&e.local){c
onst{local:t}=e;\\\`StringLiteral\\\`===t.type?this.raise(e.start,y.ExportBindingIsString,t.extra.raw,s):(this.checkRes
ervedWord(t.name,t.start,!0,!1),this.scope.checkLocalExport(t))}else
if(e.declaration)if(\\\`FunctionDeclaration\\\`===e.declaration.type||\\\`ClassDeclaration\\\`===e.declaration.type){c
onst t=e.declaration.id;if(!t)throw new Error(\\\`Assertion failure\\\`);this.checkDuplicateExports(e,t.name)}else
if(\\\`VariableDeclaration\\\`===e.declaration.type)for(let t=0,r=e.declaration.declarations;t<r.length;t++){const
e=r[t];this.checkDeclaration(e.id)}if(this.state.decoratorStack[this.state.decoratorStack.length-1].length)throw

```

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this.raise(e.start,y.UnsupportedDecoratorExport)}checkDeclaration(e){if(\\\\"Identifier\\\\"===e.type)this.checkDuplicateExports(e,e.name);else if(\\\\"ObjectPattern\\\\"===e.type)for(let t=0,r=e.properties;t<r.length;t++){const e=r[t];this.checkDeclaration(e)}else if(\\\\"ArrayPattern\\\\"===e.type)for(let t=0,r=e.elements;t<r.length;t++){const e=r[t];e&&this.checkDeclaration(e)}else\\\\"ObjectProperty\\\\"===e.type?this.checkDeclaration(e.value):\\\\"RestElement\\\\"===e.type?this.checkDeclaration(e.argument):\\\\"AssignmentPattern\\\\"===e.type&&this.checkDeclaration(e.left)}checkDuplicateExports(e,t){this.state.exportedIdentifiers.indexOf(t)>1&&this.raise(e.start,\\\\"default\\\\"===t?y.DuplicateDefaultExport:y.DuplicateExport,t),this.state.exportedIdentifiers.push(t)}parseExportSpecifiers(){const e=[];let t=!0;for(this.expect(o.braceL);!this.eat(o.braceR);){if(t)!!1;else if(this.expect(o.comma),this.eat(o.braceR))break;const r=this.startNode();r.local=this.parseModuleExportName(),r.exported=this.eatContextual(\\\\"as\\\\")?this.parseModuleExportName():r.local.__clone(),e.push(this.finishNode(r,\\\\"ExportSpecifier\\\\"))}return e}parseModuleExportName(){if(this.match(o.string)){this.expectPlugin(\\\\"moduleStringNames\\\\");const e=this.parseLiteral(this.state.value,\\\\"StringLiteral\\\\"),t=e.value.match(Ce);return t&&this.raise(e.start,y.ModuleExportNameHasLoneSurrogate,t[0].charCodeAt(0).toString(16)),e}return this.parseIdentifier(!0)}parseImport(e){if(e.specifiers=[],!this.match(o.string)){const t=!this.maybeParseDefaultImportSpecifier(e)||this.eat(o.comma),r=t&&this.maybeParseStarImportSpecifier(e);t&&r&&this.parseNamedImportSpecifiers(e),this.expectContextual(\\\\"from\\\\"))e.source=this.parseImportSource();const t=this.maybeParseImportAssertions();if(t)e.assertions=t;else{const t=this.maybeParseModuleAttributes();t&&(e.attributes=t)}return this.semicolon(),this.finishNode(e,\\\\"ImportDeclaration\\\\")}parseImportSource(){return this.match(o.string)||this.unexpected(),this.parseExprAtom()}shouldParseDefaultImport(e){return this.match(o.name)}parseImportSpecifierLocal(e,t,r,n){t.local=this.parseIdentifier(),this.checkLVal(t.local,9,void 0,n),e.specifiers.push(this.finishNode(t,r))}parseAssertEntries(){const e=[],t=new Set;do{if(this.match(o.braceR))break;const r=this.startNode(),n=this.state.value;if(this.match(o.string)?r.key=this.parseLiteral(n,\\\\"StringLiteral\\\\"):r.key=this.parseIdentifier(!0),this.expect(o.colon),\\\\"type\\\\"!==(n&&this.raise(r.key.start,y.ModuleAttributeDifferentFromType,e,n),t.has(n)&&this.raise(r.key.start,y.ModuleAttributesWithDuplicateKeys,n),t.add(n),!this.match(o.string))throw this.unexpected(this.state.start,y.ModuleAttributeInvalidValue);r.value=this.parseLiteral(this.state.value,\\\\"StringLiteral\\\\"),this.finishNode(r,\\\\"ImportAttribute\\\\"),e.push(r)}while(this.eat(o.comma));return e}maybeParseModuleAttributes(){if(!this.match(o._with)||this.hasPrecedingLineBreak())return this.hasPlugin(\\\\"moduleAttributes\\\\")?[]:null;this.expectPlugin(\\\\"moduleAttributes\\\\"),this.next();const e=[],t=new Set;do{const r=this.startNode();if(r.key=this.parseIdentifier(!0),\\\\"type\\\\"!==(r.key.name&&this.raise(r.key.start,y.ModuleAttributeDifferentFromType,r.key.name),t.has(r.key.name)&&this.raise(r.key.start,y.ModuleAttributesWithDuplicateKeys,r.key.name),t.add(r.key.name),this.expect(o.colon),!this.match(o.string))throw this.unexpected(this.state.start,y.ModuleAttributeInvalidValue);r.value=this.parseLiteral(this.state.value,\\\\"StringLiteral\\\\"),this.finishNode(r,\\\\"ImportAttribute\\\\"),e.push(r)}while(this.eat(o.comma));return e}maybeParseImportAssertions(){if(!this.isContextual(\\\\"assert\\\\")||this.hasPrecedingLineBreak())return this.hasPlugin(\\\\"importAssertions\\\\")?[]:null;this.expectPlugin(\\\\"importAssertions\\\\"),this.next(),this.eat(o.braceL);const e=this.parseAssertEntries();return this.eat(o.braceR),e}maybeParseDefaultImportSpecifier(e){return!!this.shouldParseDefaultImport(e)&&(this.parseImportSpecifierLocal(e,this.startNode(),\\\\"ImportDefaultSpecifier\\\\"),\\\\"default import specifier\\\\"),!0)}maybeParseStarImportSpecifier(e){if(this.match(o.star)){const t=this.startNode();return this.next(),this.expectContextual(\\\\"as\\\\"),this.parseImportSpecifierLocal(e,t,\\\\"ImportNamespaceSpecifier\\\\"),\\\\"import namespace specifier\\\\"),!0}return!1}parseNamedImportSpecifiers(e){let t=!0;for(this.expect(o.braceL);!this.eat(o.braceR);){if(t)!!1;else{if(this.eat(o.colon))throw this.raise(this.state.start,y.DestructureNamedImport);if(this.expect(o.comma),this.eat(o.braceR))break}this.parseImportSpecifier(e)}return this.parseImportSpecifier(e)}const

```

```

t=this.startNode();if(t.imported=this.parseModuleExportName(),this.eatContextual(\\\\"as\\\\"))t.local=this.parseIdentifier();else{const{imported:e}=t;if(\\\\"StringLiteral\\\\"===e.type)throw
this.raise(t.start,y.ImportBindingIsString,e.value);this.checkReservedWord(e.name,t.start,!0,!0),t.local=e.__clone()}t
his.checkLVal(t.local,9,void 0,\\\\"import
specifier\\\\"),e.specifiers.push(this.finishNode(t,\\\\"ImportSpecifier\\\\"))}constructor(e,t){super(e=function(e){const
t={};for(let r=0,n=Object.keys(he);r<n.length;r++){const i=n[r];t[i]=e&&null!=e[i]?e[i]:he[i]}return t}(e),t);const
r=this.getScopeHandler();this.options=e,this.inModule=\\\\"module\\\\"===this.options.sourceType,this.scope=new
r(this.raise.bind(this),this.inModule),this.prodParam=new re,this.classScope=new
ke(this.raise.bind(this)),this.expressionScope=new Ae(this.raise.bind(this)),this.plugins=function(e){const t=new
Map;for(let r=0;r<e.length;r++){const n=e[r],[i,s]=Array.isArray(n)?n:[,{}];t.has(i)||t.set(i,s){}}return
t}(this.options.plugins),this.filename=e.sourceFilename}getScopeHandler(){return Z}parse(){let
e=0;this.hasPlugin(\\\\"topLevelAwait\\\\")&&this.inModule&&(e|=2),this.scope.enter(1),this.prodParam.enter(e);const
t=this.startNode(),r=this.startNode();return
this.nextToken(),t.errors=null,this.parseTopLevel(t,r),t.errors=this.state.errors,t}function _(e,t){let
r=De;return(null===e?void 0:e.plugins)&&(!function(e){if(oe(e,\\\\"decorators\\\\"))if(oe(e,\\\\"decorators-
legacy\\\\"))throw new Error(\\\\"Cannot use the decorators and decorators-legacy plugin together\\\\");const
t=le(e,\\\\"decorators\\\\"),\\\\"decoratorsBeforeExport\\\\"));if(null==t)throw new Error(\\\\"The 'decorators' plugin
requires a 'decoratorsBeforeExport' option, whose value must be a boolean. If you are migrating from
Babylon/Babel 6 or want to use the old decorators proposal, you should use the 'decorators-legacy' plugin instead of
'decorators'.\\\\"));if(\\\\"boolean\\\\"!=typeof t)throw new Error(\\\\"'decoratorsBeforeExport' must be a
boolean.\\\\"));if(oe(e,\\\\"flow\\\\"))&&oe(e,\\\\"typescript\\\\"))throw new Error(\\\\"Cannot combine flow and typescript
plugins.\\\\"));if(oe(e,\\\\"placeholders\\\\"))&&oe(e,\\\\"v8intrinsic\\\\"))throw new Error(\\\\"Cannot combine
placeholders and v8intrinsic
plugins.\\\\"));if(oe(e,\\\\"pipelineOperator\\\\"))&&!ce.includes(le(e,\\\\"pipelineOperator\\\\"),\\\\"proposal\\\\"))throw new
Error(\\\\"'pipelineOperator' requires 'proposal' option whose value should be one of:
\\\\"+ce.map(e=>`$ {e}`).join(\\\\" , \\\\"));if(oe(e,\\\\"moduleAttributes\\\\"))if(oe(e,\\\\"importAssertions\\\\"))throw new
Error(\\\\"Cannot combine importAssertions and moduleAttributes plugins.\\\\"));if(\\\\"may-
2020\\\\"!=le(e,\\\\"moduleAttributes\\\\"),\\\\"version\\\\"))throw new Error(\\\\"The 'moduleAttributes' plugin requires a
'version' option, representing the last proposal update. Currently, the only supported value is 'may-
2020'.\\\\"));if(oe(e,\\\\"recordAndTuple\\\\"))&&!pe.includes(le(e,\\\\"recordAndTuple\\\\"),\\\\"syntaxType\\\\"))throw
new Error(\\\\"'recordAndTuple' requires 'syntaxType' option whose value should be one of:
\\\\"+pe.map(e=>`$ {e}`).join(\\\\" , \\\\"))(e.plugins),r=function(e){const t=de.filter(t=>oe(e,t)),r=t.join(\\\\"^\\\\"");let
n=Le[r];if(!n){n=De;for(let e=0;e<t.length;e++){const r=t[e];n=ue[r](n)}Le[r]=n}return n}(e.plugins),new
r(e,t)const Le={};t.parse=function(e,t){var r;if(\\\\"unambiguous\\\\"!=(null==(r=t)?void 0:r.sourceType))return
_e(t,e).parse();t=Object.assign({},t);try{t.sourceType=\\\\"module\\\\";const
r=_e(t,e),n=r.parse();if(r.sawUnambiguousESM)return n;if(r.ambiguousScriptDifferentAst)try{return
t.sourceType=\\\\"script\\\\",_e(t,e).parse()}catch(e){}else n.program.sourceType=\\\\"script\\\\";return
n}catch(r){try{return t.sourceType=\\\\"script\\\\",_e(t,e).parse()}catch(e){}throw
r}},t.parseExpression=function(e,t){const r=_e(t,e);return
r.options.strictMode&&(r.state.strict!=!0),r.getExpression(),t.tokTypes=o,function(e,t,r){\\\\"use strict\\\\";const
n=r(130),i=Symbol(\\\\"max\\\\"),s=Symbol(\\\\"length\\\\"),a=Symbol(\\\\"lengthCalculator\\\\"),o=Symbol(\\\\"allowStal
e\\\\"),l=Symbol(\\\\"maxAge\\\\"),c=Symbol(\\\\"dispose\\\\"),p=Symbol(\\\\"noDisposeOnSet\\\\"),u=Symbol(\\\\"IruList\\
\\\\"),d=Symbol(\\\\"cache\\\\"),h=Symbol(\\\\"updateAgeOnGet\\\\"),f=(=>1;const m=(e,t,r)=>{const
n=e[d].get(t);if(n){const t=n.value;if(y(e,t)){if(b(e,n),!e[o])return}else
r&&(e[h]&&(n.value.now=Date.now()),e[u].unshiftNode(n));return
t.value}},y=(e,t)=>{if(!t||t.maxAge&&!e[l])return!1;const r=Date.now()-t.now;return
t.maxAge>r?t.maxAge:e[l]&&r>e[l]},T=e=>{if(e[s]>e[i])for(let t=e[u].tail;e[s]>e[i]&&null!=t;){const
r=t.prev;b(e,t),t=r}},b=(e,t)=>{if(t){const r=t.value;e[c]&&e[c](r.key,r.value),e[s]-

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=r.length,e[d].delete(r.key),e[u].removeNode(t)};class
g{constructor(e,t,r,n,i){this.key=e,this.value=t,this.length=r,this.now=n,this.maxAge=i||0}}const S=(e,t,r,n)=>{let
i=r.value;y(e,i)&&(b(e,r),e[o]||i=void
0)),i&&t.call(n,i.value,i.key,e);e.exports=class{constructor(e){if(\\\\"number\\"\\\\"==typeof
e&&(e={max:e}),e||(e={}),e.max&&(\\\\"number\\"\\\\"!=typeof e.max||e.max<0))throw new TypeError(\\\\"max must
be a non-negative number\\"\\");this[i]=e.max||1/0;const t=e.length||f;if(this[a]=\\\\"function\\"\\\\"!=typeof
t?f:t,this[o]=e.stale||1,e.maxAge&&(\\\\"number\\"\\\\"!=typeof e.maxAge))throw new TypeError(\\\\"maxAge must be a
number\\"\\");this[l]=e.maxAge||0,this[c]=e.dispose,this[p]=e.noDisposeOnSet||1,this[h]=e.updateAgeOnGet||1,this.r
eset()}set max(e){if(\\\\"number\\"\\\\"!=typeof e||e<0)throw new TypeError(\\\\"max must be a non-negative
number\\"\\");this[i]=e||1/0,T(this)}get max(){return this[i]}set allowStale(e){this[o]=!e}get allowStale(){return
this[o]}set maxAge(e){if(\\\\"number\\"\\\\"!=typeof e)throw new TypeError(\\\\"maxAge must be a non-negative
number\\"\\");this[l]=e,T(this)}get maxAge(){return this[l]}set lengthCalculator(e){\\\\"function\\"\\\\"!=typeof
e&&(e=f),e!==this[a]&&(this[a]=e,this[s]=0,this[u].forEach(e=>{e.length=this[a](e.value,e.key),this[s]+=e.length})
),T(this)}get lengthCalculator(){return this[a]}get length(){return this[s]}get itemCount(){return
this[u].length}rforEach(e,t){t=t||this;for(let r=this[u].tail,null!==(r;){const
n=r.prev;S(this,e,r,t),r=n}}forEach(e,t){t=t||this;for(let r=this[u].head,null!==(r;){const
n=r.next;S(this,e,r,t),r=n}}keys(){return this[u].toArray().map(e=>e.key)}values(){return
this[u].toArray().map(e=>e.value)}reset(){this[c]&&this[u]&&this[u].length&&this[u].forEach(e=>this[c](e.key,e
.value)),this[d]=new Map,this[u]=new n,this[s]=0}dump(){return
this[u].map(e=>!y(this,e)&&{k:e.key,v:e.value,e:e.now+(e.maxAge||0)}).toArray().filter(e=>e)}dumpLru(){return
this[u]}set(e,t,r){if((r=r||this[l])&&(\\\\"number\\"\\\\"!=typeof r))throw new TypeError(\\\\"maxAge must be a
number\\"\\");const n=r?Date.now():0,o=this[a](t,e);if(this[d].has(e)){if(o>this[i])return b(this,this[d].get(e)),!1;const
a=this[d].get(e).value;return this[c]&&(this[p]||this[c](e,a.value)),a.now=n,a.maxAge=r,a.value=t,this[s]+=o-
a.length,a.length=o,this.get(e),T(this),!0}const h=new g(e,t,o,n,r);return
h.length>this[i]?(this[c]&&this[c](e,t),!1):(this[s]+=h.length,this[u].unshift(h),this[d].set(e,this[u].head),T(this),!0)
has(e){if(!this[d].has(e))return!1;const t=this[d].get(e).value;return!y(this,t)}get(e){return
m(this,e,!0)}peek(e){return m(this,e,!1)}pop(){const e=this[u].tail;return
e?(b(this,e),e.value):null}del(e){b(this,this[d].get(e))}load(e){this.reset();const t=Date.now();for(let r=e.length-
1;r>=0;r--){const n=e[r],i=n.e||0;if(0===i)this.set(n.k,n.v);else{const e=i-
t;e>0&&this.set(n.k,n.v,e)}}prune(){this[d].forEach((e,t)=>m(this,t,!1))}},function(e,t,r){\\\\"use
strict\\"\\\\";Object.defineProperty(t,\\\\"__esModule\\"\\\\",{value:!0}),t.default=function(){throw Error(\\\\"Test Error
stack\\"\\")},t.SOURCE_STACK_FRAME_LINE_NUMBER=void
0;t.SOURCE_STACK_FRAME_LINE_NUMBER=12},function(e,t,r){\\\\"use
strict\\"\\\\";Object.defineProperty(t,\\\\"__esModule\\"\\\\",{value:!0}),t.ForAwaitStatement=t.NumericLiteralTypeAnnotat
ion=t.ExistentialTypeParam=t.SpreadProperty=t.RestProperty=t.Flow=t.Pure=t.Generated=t.User=t.Var=t.BlockSco
ped=t.Referenced=t.Scope=t.Expression=t.Statement=t.BindingIdentifier=t.ReferencedMemberExpression=t.Referen
cedIdentifier=void 0;var n=function(e){if(e&&e.__esModule)return e;if(null===e||\\\\"object\\"\\\\"!=typeof
e&&(\\\\"function\\"\\\\"!=typeof e))return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if(\\\\"function\\"\\\\"!=typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e}const
s={types:[\\\\"Identifier\\"\\\\"],\\\\"JSXIdentifier\\"\\\\"],checkPath(e,t){const{node:r,parent:i}=e;if(!n.isIdentifier(r,t)&&!n.is
JSXMemberExpression(i,t)){if(!n.isJSXIdentifier(r,t))return!1;if(n.react.isCompatTag(r.name))return!1}return
n.isReferenced(r,i,e.parentPath.parent)}};t.ReferencedIdentifier=s;const
a={types:[\\\\"MemberExpression\\"\\\\"],checkPath:({node:e,parent:t})=>n.isMemberExpression(e)&&n.isReferenced(
e,t)};t.ReferencedMemberExpression=a;const

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o={ types:[\\"Identifier\\"],checkPath(e){ const{ node:t,parent:r}=e,i=e.parentPath.parent;return
n.isIdentifier(t)&& n.isBinding(t,r,i) };t.BindingIdentifier=o;const
l={ types:[\\"Statement\\"],checkPath({ node:e,parent:t}){ if(n.isStatement(e)){ if(n.isVariableDeclaration(e)){ if(n.is
ForXStatement(t,{ left:e}))return!1;if(n.isForStatement(t,{ init:e}))return!1 }return!0}return!1 } };t.Statement=l;const
c={ types:[\\"Expression\\"],checkPath:e=>e.isIdentifier()?e.isReferencedIdentifier():n.isExpression(e.node);t.Exp
ression=c;const p={ types:[\\"Scopable\\"","\\"Pattern\\""],checkPath:e=>n.isScope(e.node,e.parent);t.Scope=p;const
u={ checkPath:e=>n.isReferenced(e.node,e.parent) };t.Referenced=u;const
d={ checkPath:e=>n.isBlockScoped(e.node) };t.BlockScoped=d;const
h={ types:[\\"VariableDeclaration\\"],checkPath:e=>n.isVar(e.node) };t.Var=h;const
f={ checkPath:e=>e.node&&!e.node.loc };t.User=f;const m={ checkPath:e=>!e.isUser() };t.Generated=m;const
y={ checkPath:(e,t)=>e.scope.isPure(e.node,t) };t.Pure=y;const
T={ types:[\\"Flow\\"","\\"ImportDeclaration\\"","\\"ExportDeclaration\\"","\\"ImportSpecifier\\""],checkPath:({ node:e
})=>!n.isFlow(e)|(n.isImportDeclaration(e)?\\"type\\"===e.importKind|\\"typeof\\"===e.importKind:n.isExport
Declaration(e)?\\"type\\"===e.exportKind:!!n.isImportSpecifier(e)&&(\\"type\\"===e.importKind|\\"typeof\\"=
===e.importKind)) };t.Flow=T;const
b={ types:[\\"RestElement\\"],checkPath:e=>e.parentPath&&e.parentPath.isObjectPattern() };t.RestProperty=b;cons
t
g={ types:[\\"RestElement\\"],checkPath:e=>e.parentPath&&e.parentPath.isObjectExpression() };t.SpreadProperty=
g;t.ExistentialTypeParam={ types:[\\"ExistsTypeAnnotation\\""];t.NumericLiteralTypeAnnotation={ types:[\\"Num
berLiteralTypeAnnotation\\""];const
S={ types:[\\"ForOfStatement\\"],checkPath:({ node:e })=>!0===e.await };t.ForAwaitStatement=S,function(e,t,r){\
\\use strict\\";Object.defineProperty(t,\\"__esModule\\",{ value:!0}),t.default=function(e,t){ const
r=e.split(\\".\\");return e=>(0,i.default)(e,r,t) };var
n,i=(n=r(65))&&n.__esModule?n:{ default:n },function(e,t,r){\
\\use strict\\";Object.defineProperty(t,\\"__esModule\\",{ value:!0}),t.default=function(e,t,r){ if(!0,n.isMemberExpressio
n(e))return!1;const i=Array.isArray(t)?t.split(\\".\\"),s=[];let
a;for(a=e;(0,n.isMemberExpression)(a);a=a.object)s.push(a.property);if(s.push(a),s.length<i.length)return!1;if(!r&&
s.length>i.length)return!1;for(let e=0,t=s.length-1;e<i.length;e++,t--){ const r=s[t];let
a;if((0,n.isIdentifier)(r))a=r.name;else{ if(!0,n.isStringLiteral)(r))return!1;a=r.value }if(i[e]!==a)return!1 }return!0};v
ar n=r(2),function(e,t){ e.exports=function(e,t){ return e===t||e!==e&&t!==t },function(e,t,r){ var
n=r(18),i=r(22);e.exports=function(e){ if(!i(e))return!1;var t=n(e);return\
\\[object Function]\\===t|\
\\[object GeneratorFunction]\\===t|\
\\[object AsyncFunction]\\===t|\
\\[object Proxy]\\===t },function(e,t){ var
r=\
\\object\\===typeof global&&global&&global.Object===Object&&global;e.exports=r},function(e,t){ var
r=Function.prototype.toString;e.exports=function(e){ if(null!==e){ try{ return r.call(e) }catch(e){ } }try{ return
e+\
\\}\\catch(e){ } }return\
\\}\\},function(e,t,r){ var
n=r(71),i=r(66),s=Object.prototype.hasOwnProperty;e.exports=function(e,t,r){ var a=e[t];s.call(e,t)&&i(a,r)&&(void
0!==r||t in e)||n(e,t,r) },function(e,t,r){ var
n=r(171);e.exports=function(e,t,r){\
\\__proto__\\===t&&n?n(e,t,{ configurable:!0,enumerable:!0,value:r,writable:!
0}):e[t]=r },function(e,t,r){ var
n=r(173),i=r(174),s=r(43),a=r(73),o=r(177),l=r(178),c=Object.prototype.hasOwnProperty;e.exports=function(e,t){ v
ar
r=s(e),p=!r&&i(e),u=!r&&!p&&a(e),d=!r&&!p&&!u&&l(e),h=r||p||u||d,f=h?n(e.length,String):[],m=f.length;for(var
y in
e)!t&&!c.call(e,y)||h&&(\
\\length\\===y||u&&(\
\\offset\\===y||\
\\parent\\===y)||d&&(\
\\buffer\\===y||\
\\byteL
ength\\===y||\
\\byteOffset\\===y)||o(y,m)||f.push(y);return f },function(e,t,r){ (function(e){ var
n=r(7),i=r(176),s=t&&!t.nodeType&&t,a=s&&\
\\object\\===typeof
e&&e&&!e.nodeType&&e,o=a&&a.exports===s?n.Buffer:void 0,l=(o?o.isBuffer:void
0)||i;e.exports=l}).call(this,r(31)(e)),function(e,t){ e.exports=function(e){ return\
\\number\\===typeof e&&e>

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1&&e%1==0&&e<=9007199254740991}},function(e,t){e.exports=function(e,t){return function(r){return
e(t(r))}},function(e,t,r){var n=r(67),i=r(74);e.exports=function(e){return
null!=e&&i(e.length)&&!n(e)},function(e,t){e.exports=function(){return[]}},function(e,t,r){var
n=r(79),i=r(47),s=r(46),a=r(77),o=Object.getOwnPropertySymbols?function(e){for(var t=[];e;n(t,s(e)),e=i(e);return
t):a:e.exports=o},function(e,t){e.exports=function(e,t){for(var r=-1,n=t.length,i=e.length;++r<n;)e[i+r]=t[r];return
e}},function(e,t,r){var n=r(79),i=r(43);e.exports=function(e,t,r){var s=t(e);return
i(e)?s:n(s,r(e))}},function(e,t,r){\\"use strict\\";let n=null;function i(e){if(null!==n&&(n.property,1)){const
e=n;return n-i.prototype=null,e}return n-i.prototype=null===e?Object.create(null):e,new
i}i(),e.exports=function(e){return i(e)},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.default=function(e,t){if(e===t)return!0;const
r=n.PLACEHOLDERS_ALIAS[e];if(r)for(const e of r)if(t===e)return!0;return!1};var n=r(5)},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.PLACEHOLDERS_FLIPPED_ALIAS=t.PLACE
HOLDERS_ALIAS=t.PLACEHOLDERS=void 0;var n=r(9);const
i=[\\"Identifier\\",\\"StringLiteral\\",\\"Expression\\",\\"Statement\\",\\"Declaration\\",\\"BlockStatement\\",\\"
\\ClassBody\\",\\"Pattern\\"];t.PLACEHOLDERS=i;const
s={Declaration:[\\"Statement\\",Pattern:[\\"PatternLike\\",\\"LVal\\"]];t.PLACEHOLDERS_ALIAS=s;for(const
e of i){const t=n.ALIAS_KEYS[e];(null===t?void 0:t.length)&&(s[e]=t)}const
a={};t.PLACEHOLDERS_FLIPPED_ALIAS=a,Object.keys(s).forEach(e=>{s[e].forEach(t=>{Object.hasOwnProp
erty.call(a,t)||a[t]=[],a[t].push(e)}))},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.default=function(e){return!(e!n.VISITOR_KEY
S[e.type])};var n=r(5)},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.default=function e(t){const
r={},i={},s=[],a=[];for(let o=0;o<t.length;o++){const
l=t[o];if(l&&!(a.indexOf(l)>=0)){if((0,n.isAnyTypeAnnotation)(l))return[l];if((0,n.isFlowBaseAnnotation)(l))i[l.typ
e]=l;else if((0,n.isUnionTypeAnnotation)(l))s.indexOf(l.types)<0&&(t=t.concat(l.types),s.push(l.types));else
if((0,n.isGenericTypeAnnotation)(l)){const t=l.id.name;if(r[t]){let
n=r[t];n.typeParameters?l.typeParameters&&(n.typeParameters.params=e(n.typeParameters.params.concat(l.typePar
ameters.params)):n=l.typeParameters}else r[t]=l}else a.push(l)}for(const e of Object.keys(i))a.push(i[e]);for(const
e of Object.keys(r))a.push(r[e]);return a};var n=r(2)},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.default=function(e,t,r){if(!r!e)return e;const
n=t+\\"Comments\\";e[n]?e[n]=\\"leading\\"===t?r.concat(e[n]):e[n].concat(r):e[n]=r;return
e}},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.default=function(e,t){(0,i.default)(\\"innerComme
nts\\",e,t);var n,i=(n=r(53))&&n.__esModule?n:{default:n}},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.default=function(e,t){(0,i.default)(\\"leadingCom
ments\\",e,t);var n,i=(n=r(53))&&n.__esModule?n:{default:n}},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.default=function(e,t){return(0,n.default)(e,t),(0,i.d
efault)(e,t),(0,s.default)(e,t),e};var n=a(r(90)),i=a(r(88)),s=a(r(87));function a(e){return
e&&e.__esModule?e:{default:e}},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.default=function(e,t){(0,i.default)(\\"trailingCom
ments\\",e,t);var n,i=(n=r(53))&&n.__esModule?n:{default:n}},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.default=function(e,t){if((0,n.isBlockStatement)(e))
return e;let
r=[];(0,n.isEmptyStatement)(e)?r=[]:(0,n.isStatement)(e)||(e=(0,n.isFunction)(t)?(0,i.returnStatement)(e):(0,i.expres
sionStatement)(e)),r=[e];return(0,i.blockStatement)(r)};var n=r(2),i=r(4)},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.default=function(e){e=e(e=(e+=\\"\\").replace(/
[^a-zA-Z0-9_$]/g,\\"-\\").replace(/^-[-0-9]+/,\\"\\").replace(/[-\\s]+(.)?/g,(function(e,t){return
t?t.toUpperCase():\\"\\"})),(0,i.default)(e)(e=\\"_\\")+e);return e}\\\\"_\\");var

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n,i=(n=r(23))&&n.__esModule?:{ default:n },function(e,t,r){\\"use
strict\\"\";Object.defineProperty(t,\\"__esModule\\"",{ value:!0}),t.default=function(e,t){ return(0,n.default)(e,i.default
,t),e };var n=s(r(94)),i=s(r(95));function s(e){ return e&&e.__esModule?:{ default:e } },function(e,t,r){\\"use
strict\\"\";Object.defineProperty(t,\\"__esModule\\"",{ value:!0}),t.default=function e(t,r,i){ if(!t)return;const
s=n.VISITOR_KEYS[t.type];if(!s)return;r(t,i=||{ });for(const n of s){ const s=t[n];if(Array.isArray(s))for(const t of
s)e(t,r,i);else e(s,r,i) };var n=r(5),function(e,t,r){\\"use
strict\\"\";Object.defineProperty(t,\\"__esModule\\"",{ value:!0}),t.default=function(e,t={ }){ const
r=t.preserveComments?i:s;for(const t of r)null!=e[t]&&(e[t]=void 0);for(const t of
Object.keys(e))\\"__\\"\\"====t[0]&&null!=e[t]&&(e[t]=void 0);const n=Object.getOwnPropertySymbols(e);for(const t
of n)e[t]=null };var n=r(13);const
i=[\\"tokens\\"",\\"start\\"",\\"end\\"",\\"loc\\"",\\"raw\\"",\\"rawValue\\"",s=n.COMMENT_KEYS.concat([\\"com
ments\"]).concat(i),function(e,t,r){\\"use
strict\\"\";Object.defineProperty(t,\\"__esModule\\"",{ value:!0}),t.default=function(e){ return(0,n.isVariableDeclarati
on)(e)&&(\\"var\\"\\"!=e.kind||e[i.BLOCK_SCOPED_SYMBOL])};var
n=r(2),i=r(13)},function(e,t,r){ e.exports=function(e){ function t(e){ let t=0;for(let r=0;r<e.length;r++)t=(t<<5)-
t+e.charCodeAtAt(r),t|=0;return n.colors[Math.abs(t)%n.colors.length]}function n(e){ let r;function
a(...e){ if(!a.enabled)return;const t=a,i=Number(new Date),s=i-
(r|i);t.diff=s,t.prev=r,t.curr=i,r=i,e[0]=n.coerce(e[0]),\\"string\\"\\"!=typeof e[0]&&e.unshift(\\"% O\\"\");let
o=0;e[0]=e[0].replace(/%([a-zA-Z%])/g,(r,i)=>{ if(\\"%%\\"\\"===r)return r;o++;const
s=n.formatters[i];if(\\"function\\"\\"===typeof s){ const n=e[o];r=s.call(t,n),e.splice(o,1),o-- }return
r}),n.formatArgs.call(t,e);(t.log||n.log).apply(t,e)}return
a.namespace=e,a.enabled=n.enabled(e),a.useColors=n.useColors(),a.color=t(e),a.destroy=i,a.extend=s,\\"function\\"\\"
===typeof n.init&&n.init(a),n.instances.push(a),a }function i(){ const e=n.instances.indexOf(this);return-
1!=e&&(n.instances.splice(e,1),!0)}function s(e,t){ const r=n(this.namespace+(void 0===t?\\\":\":\\\":t)+e);return
r.log=this.log,r}function a(e){ return e.toString().substring(2,e.toString().length-
2).replace(/\\ \\ \\ *\\ \\ %\\ \\ \\ *\\ \\ \\ *)}return n.debug=n,n.default=n,n.coerce=function(e){ if(e instanceof Error)return
e.stack|e.message;return e },n.disable=function(){ const e=[...n.names.map(a),...n.skips.map(a).map(e=>\\\"-
\\\"+e)].join(\\"\\\",\\\"\\");return n.enable(\\"\\\"),e },n.enable=function(e){ let t;n.save(e),n.names=[],n.skips=[];const
r=(\\\"string\\"\\"===typeof e?e:\\\"\\\".split(/\\ \\ \\ s,+)/),i=r.length;for(t=0;t<i;t++)r[t]&&(\\"-
\\\"===e?r[t].replace(/\\ \\ *\\ \\ \\ *\\ \\ \\ *)?n.skips.push(new
RegExp(\\"^\\\"+e.substr(1)+\\\"$\\\")):n.names.push(new
RegExp(\\"^\\\"+e+\\\"$\\\"));for(t=0;t<n.instances.length;t++){ const
e=n.instances[t];e.enabled=n.enabled(e.namespace) },n.enabled=function(e){ if(\\"*\\\"===e[e.length-1])return!0;let
t,r;for(t=0,r=n.skips.length;t<r;t++)if(n.skips[t].test(e))return!1;for(t=0,r=n.names.length;t<r;t++)if(n.names[t].test(e
))return!0;return!1 },n.humanize=r(257),Object.keys(e).forEach(t=>{ n[t]=e[t]}),n.instances=[],n.names=[],n.skips=
],n.formatters={ },n.selectColor=t,n.enable(n.load()),n }},function(e,t){ e.exports=require(\\"os\\"\");function(e,t,r){\\"
use strict\\"\";e.exports=(e,t)=>{ t=t||process.argv;const r=e.startsWith(\\"-\\\")?\\"\\\":1===e.length?\\"-\\\":\\\"-
\\\"\",n=t.indexOf(r)+e,i=t.indexOf(\\"-\\\");return-1!=n&&(-1===i||n<i) },function(e,t,r){\\"use
strict\\"\";Object.defineProperty(t,\\"__esModule\\"",{ value:!0}),t.default=void 0;var
n=p(r(262)),i=p(r(17)),s=p(r(101)),a=p(r(312)),o=function(e){ if(e&&e.__esModule)return
e;if(null===e|\\"object\\"\\"!=typeof e&&\\"function\\"\\"!=typeof e)return{ default:e };var t=c();if(t&&t.has(e))return
t.get(e);var r={ },n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){ var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0)),l=r(38);function c(){ if(\\"function\\"\\"!=typeof WeakMap)return null;var e=new
WeakMap;return c=function(){ return e },e }function p(e){ return e&&e.__esModule?:{ default:e } }const
u={ For(e){ for(const t of o.FOR_INIT_KEYS){ const
r=e.get(t);if(r.isVar()){ e.scope.getFunctionParent()|e.scope.getProgramParent().registerBinding(\\"var\\"",r) } },D
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eclaration(e){if(e.isBlockScoped())return;if(e.isExportDeclaration())&&e.get(\\\\"declaration\\\\").isDeclaration()return;
n;(e.scope.getFunctionParent()||e.scope.getProgramParent()).registerDeclaration(e)},ReferencedIdentifier(e,t){t.references.push(e)},ForXStatement(e,t){const
r=e.get(\\\\"left\\\\"");(r.isPattern()||r.isIdentifier())&&t.constantViolations.push(e)},ExportDeclaration:{exit(e){const{
node:t,scope:r}=e,n=t.declaration;if(o.isClassDeclaration(n)||o.isFunctionDeclaration(n)){const
t=n.id;if(!t)return;const i=r.getBinding(t.name);i&&i.reference(e)}else if(o.isVariableDeclaration(n))for(const t of
n.declarations)for(const n of Object.keys(o.getBindingIdentifiers(t))){const
t=r.getBinding(n);t&&t.reference(e)}}},LabeledStatement(e){e.scope.getProgramParent().addGlobal(e.node),e.scope
.getBlockParent().registerDeclaration(e)},AssignmentExpression(e,t){t.assignments.push(e)},UpdateExpression(e,t
){t.constantViolations.push(e)},UnaryExpression(e,t){\\\\"delete\\\\"===e.node.operator&&t.constantViolations.push(
e)},BlockScoped(e){let
t=e.scope;t.path===e&&(t=t.parent);if(t.getBlockParent().registerDeclaration(e),e.isClassDeclaration())&&e.node.id
){const t=e.node.id.name;e.scope.bindings[t]=e.scope.parent.getBinding(t)},Block(e){const
t=e.get(\\\\"body\\\\"");for(const r of
t)r.isFunctionDeclaration()&&e.scope.getBlockParent().registerDeclaration(r)},CatchClause(e){e.scope.registerBin
ding(\\\\"let\\\\" ,e)},Function(e){e.isFunctionExpression()&&e.has(\\\\"id\\\\" )&&!e.get(\\\\"id\\\\" ).node[o.NOT_LOCA
L_BINDING]&&e.scope.registerBinding(\\\\"local\\\\" ,e.get(\\\\"id\\\\" ),e);const t=e.get(\\\\"params\\\\" );for(const r of
t)e.scope.registerBinding(\\\\"param\\\\" ,r)},ClassExpression(e){e.has(\\\\"id\\\\" )&&!e.get(\\\\"id\\\\" ).node[o.NOT_LOCA
L_BINDING]&&e.scope.registerBinding(\\\\"local\\\\" ,e)}};let d=0;class
h{constructor(e){const{node:t}=e,r=l.scope.get(t);if((null===r?void 0:r.path)===e)return
r;l.scope.set(t,this),this.uid=d++,this.block=t,this.path=e,this.labels=new Map,this.inited=!1}get parent(){const
e=this.path.findParent(e=>e.isScope());return null===e?void 0:e.scope}get parentBlock(){return this.path.parent}get
hub(){return this.path.hub}traverse(e,t,r){(0,i.default)(e,t,this,r,this.path)}generateDeclaredUidIdentifier(e){const
t=this.generateUidIdentifier(e);return this.push({id:t}),o.cloneNode(t)}generateUidIdentifier(e){return
o.identifier(this.generateUid(e))}generateUid(e=\\\\"temp\\\\" ){let
t=e.o.toIdentifier(e).replace(/^_+/,\\\\"\\\\" ).replace(/[/0-9]+$/g,\\\\"\\\\" );let
r=1;do{t=this._generateUid(e,r)}while(this.hasLabel(t)||this.hasBinding(t)||this.hasGlobal(t)||this.hasReference(t
));const n=this.getProgramParent();return n.references[t]=!0,n.uids[t]=!0,t._generateUid(e,t)}let r=e;return
t>1&&(r+=t),\\\\"_\\\\" +r}generateUidBasedOnNode(e,t){const r=[];!function e(t,r){switch(null===t?void
0:t.type){default;if(o.isModuleDeclaration(t))if(t.source)e(t.source,r);else
if(t.specifiers&&t.specifiers.length)for(const n of t.specifiers)e(n,r);else t.declaration&&e(t.declaration,r);else
o.isModuleSpecifier(t)?e(t.local,r):o.isLiteral(t)&&r.push(t.value);break;case\\\\"MemberExpression\\\\" :case\\\\"Optio
nalMemberExpression\\\\" :case\\\\"JSXMemberExpression\\\\" :e(t.object,r),e(t.property,r);break;case\\\\"Identifier\\\\" :c
ase\\\\"JSXIdentifier\\\\" :r.push(t.name);break;case\\\\"CallExpression\\\\" :case\\\\"OptionalCallExpression\\\\" :case\\\\"N
ewExpression\\\\" :e(t.callee,r);break;case\\\\"ObjectExpression\\\\" :case\\\\"ObjectPattern\\\\" :for(const n of
t.properties)e(n,r);break;case\\\\"SpreadElement\\\\" :case\\\\"RestElement\\\\" :e(t.argument,r);break;case\\\\"ObjectPrope
rty\\\\" :case\\\\"ObjectMethod\\\\" :case\\\\"ClassProperty\\\\" :case\\\\"ClassMethod\\\\" :case\\\\"ClassPrivateProperty\\\\" :ca
se\\\\"ClassPrivateMethod\\\\" :e(t.key,r);break;case\\\\"ThisExpression\\\\" :r.push(\\\\"this\\\\" );break;case\\\\"Super\\\\" :r.p
ush(\\\\"super\\\\" );break;case\\\\"Import\\\\" :r.push(\\\\"import\\\\" );break;case\\\\"DoExpression\\\\" :r.push(\\\\"do\\\\" );brea
k;case\\\\"YieldExpression\\\\" :r.push(\\\\"yield\\\\" ),e(t.argument,r);break;case\\\\"AwaitExpression\\\\" :r.push(\\\\"await\\
\\\"),e(t.argument,r);break;case\\\\"AssignmentExpression\\\\" :e(t.left,r);break;case\\\\"VariableDeclarator\\\\" :e(t.id,r);bre
ak;case\\\\"FunctionExpression\\\\" :case\\\\"FunctionDeclaration\\\\" :case\\\\"ClassExpression\\\\" :case\\\\"ClassDeclaratio
n\\\\" :case\\\\"PrivateName\\\\" :e(t.id,r);break;case\\\\"ParenthesizedExpression\\\\" :e(t.expression,r);break;case\\\\"Unary
Expression\\\\" :case\\\\"UpdateExpression\\\\" :e(t.argument,r);break;case\\\\"MetaProperty\\\\" :e(t.meta,r),e(t.property,r
);break;case\\\\"JSXElement\\\\" :e(t.openingElement,r);break;case\\\\"JSXOpeningElement\\\\" :r.push(t.name);break;cas
e\\\\"JSXFragment\\\\" :e(t.openingFragment,r);break;case\\\\"JSXOpeningFragment\\\\" :r.push(\\\\"Fragment\\\\" );break;
case\\\\"JSXNamespacedName\\\\" :e(t.namespace,r),e(t.name,r)}(e,r);let n=r.join(\\\\"$\\\\" );return
n=n.replace(/^_/,\\\\"\\\\" )||t(\\\\"ref\\\\" ,this.generateUid(n.slice(0,20)))}generateUidIdentifierBasedOnNode(e,t){return

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o.identifier(this.generateUidBasedOnNode(e,t))}isStatic(e){if(o.isThisExpression(e)||o.isSuper(e))return!0;if(o.isIdentifier(e)){const t=this.getBinding(e.name);return
t?t.constant:this.hasBinding(e.name)}return!1}maybeGenerateMemoised(e,t){if(this.isStatic(e))return null;{const
r=this.generateUidIdentifierBasedOnNode(e);return
t?:r:(this.push({id:r}),o.cloneNode(r))}checkBlockScopedCollisions(e,t,r,n){if(\\\\"param\\\\"===t)return;if(\\\\"local\\\\"
\\\\"===e.kind)return;if(\\\\"let\\\\"===t||\\\\"let\\\\"===e.kind||\\\\"const\\\\"===e.kind||\\\\"module\\\\"===e.kind||\\\\"param\\\\"
\\\\"===e.kind&&(\\\\"let\\\\"===t||\\\\"const\\\\"===t))throw this.hub.buildError(n,`Duplicate declaration
\\\\"${r}\\\\"`,TypeError)}rename(e,t,r){const i=this.getBinding(e);if(i)return
t=t||this.generateUidIdentifier(e).name,new
n.default(i,e,t).rename(r)}_renameFromMap(e,t,r,n){e[t]&&(e[r]=n,e[t]=null)}dump(){const e=\\\\"-
\\\\".repeat(60);console.log(e);let t=this;do{console.log(\\\\"#\\\\" ,t.block.type);for(const e of
Object.keys(t.bindings)){const r=t.bindings[e];console.log(\\\\" -
\\\\" ,e,{constant:r.constant,references:r.references,violations:r.constantViolations.length,kind:r.kind}})}while(t=t.parent);console.log(e)}toArray(e,t,r){if(o.isIdentifier(e)){const t=this.getBinding(e.name);if((null===t?void
0:t.constant)&&t.path.isGenericType(\\\\"Array\\\\"))return e;if(o.isArrayExpression(e))return
e;if(o.isIdentifier(e,{name:\\\\"arguments\\\\"}))return
o.callExpression(o.memberExpression(o.memberExpression(o.memberExpression(o.identifier(\\\\"Array\\\\"),o.identi
fier(\\\\"prototype\\\\")),o.identifier(\\\\"slice\\\\")),o.identifier(\\\\"call\\\\")),[e]);let n;const
i=[e];return!0===t?n=\\\\"toConsumableArray\\\\":t?(i.push(o.numericLiteral(t)),n=\\\\"slicedToArray\\\\"):n=\\\\"toArra
y\\\\" ,r&&(i.unshift(this.hub.addHelper(n)),n=\\\\"maybeArrayLike\\\\"),o.callExpression(this.hub.addHelper(n),i)}has
Label(e){return!!this.getLabel(e)}getLabel(e){return
this.labels.get(e)}registerLabel(e){this.labels.set(e.node.label.name,e)}registerDeclaration(e){if(e.isLabeledStateme
nt())this.registerLabel(e);else if(e.isFunctionDeclaration())this.registerBinding(\\\\"hoisted\\\\" ,e.get(\\\\"id\\\\"),e);else
if(e.isVariableDeclaration()){const t=e.get(\\\\"declarations\\\\"");for(const r of
t)this.registerBinding(e.node.kind,r)}else if(e.isClassDeclaration())this.registerBinding(\\\\"let\\\\" ,e);else
if(e.isImportDeclaration()){const t=e.get(\\\\"specifiers\\\\"");for(const e of t)this.registerBinding(\\\\"module\\\\" ,e)}else
if(e.isExportDeclaration()){const
t=e.get(\\\\"declaration\\\\"");(t.isClassDeclaration()||t.isFunctionDeclaration()||t.isVariableDeclaration())&&this.registe
rDeclaration(t)}else this.registerBinding(\\\\"unknown\\\\" ,e)}buildUndefinedNode(){return
o.unaryExpression(\\\\"void\\\\" ,o.numericLiteral(0),0)}registerConstantViolation(e){const
t=e.getBindingIdentifiers();for(const r of Object.keys(t)){const
t=this.getBinding(r);t&&t.reassign(e)}registerBinding(e,t,r=t){if(!e)throw new ReferenceError(\\\\"no
`kind`\\\\"");if(t.isVariableDeclaration()){const r=t.get(\\\\"declarations\\\\"");for(const t of
r)this.registerBinding(e,t);return}const n=this.getProgramParent(),i=t.getOuterBindingIdentifiers(!0);for(const t of
Object.keys(i)){n.references[t]=!0;for(const n of i[t]){const
i=this.getOwnBinding(t);if(i){if(i.identifier===n)continue;this.checkBlockScopedCollisions(i,e,t,n)}i?this.registerC
onstantViolation(r):this.bindings[t]=new
s.default({identifier:n,scope:this,path:r,kind:e})}}addGlobal(e){this.globals[e.name]=e}hasUid(e){let
t=this;do{if(t.uids[e])return!0}while(t=t.parent);return!1}hasGlobal(e){let
t=this;do{if(t.globals[e])return!0}while(t=t.parent);return!1}hasReference(e){return!!this.getProgramParent().refere
nces[e]}isPure(e,t){if(o.isIdentifier(e)){const
r=this.getBinding(e.name);return!!r&&(t||r.constant)}if(o.isClass(e))return!(e.superClass&&!this.isPure(e.superCla
ss,t))&&this.isPure(e.body,t);if(o.isClassBody(e)){for(const r of
e.body)if(!this.isPure(r,t))return!1;return!0}if(o.isBinary(e))return
this.isPure(e.left,t)&&this.isPure(e.right,t);if(o.isArrayExpression(e)){for(const r of
e.elements)if(!this.isPure(r,t))return!1;return!0}if(o.isObjectExpression(e)){for(const r of
e.properties)if(!this.isPure(r,t))return!1;return!0}if(o.isMethod(e))return!(e.computed&&!this.isPure(e.key,t))&&(\\\\"
get\\\\"!==e.kind&&(\\\\"set\\\\"!==e.kind);if(o.isProperty(e))return!(e.computed&&!this.isPure(e.key,t))&&this.isPur

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e(e.value,t);if(o.isUnaryExpression(e))return this.isPure(e.argument,t);if(o.isTaggedTemplateExpression(e))return
o.matchesPattern(e.tag,\\\\"String.raw\\\\")&&!this.hasBinding(\\\\"String\\\\",!0)&&this.isPure(e.quasi,t);if(o.isTempla
teLiteral(e)){for(const r of e.expressions)if(!this.isPure(r,t))return!1;return!0}return
o.isPureish(e)}setData(e,t){return this.data[e]=t}getData(e){let t=this;do{const r=t.data[e];if(null!=r)return
r}while(t=t.parent)}removeData(e){let
t=this;do{null!=t.data[e]&&(t.data[e]=null)}while(t=t.parent)}init(){this.inited||(this.inited=!0,this.crawl())}crawl(){
const
e=this.path;if(this.references=Object.create(null),this.bindings=Object.create(null),this.globals=Object.create(null),t
his.uids=Object.create(null),this.data=Object.create(null),e.isFunction()){e.isFunctionExpression()&&e.has(\\\\"id\\\\"
)&&!e.get(\\\\"id\\\\").node[o.NOT_LOCAL_BINDING]&&this.registerBinding(\\\\"local\\\\",e.get(\\\\"id\\\\"),e);const
t=e.get(\\\\"params\\\\");for(const e of t)this.registerBinding(\\\\"param\\\\",e)}const
t=this.getProgramParent();if(t.crawling)return;const
r={references:[],constantViolations:[],assignments:[]};this.crawling=!0,e.traverse(u,r),this.crawling=!1;for(const e
of r.assignments){const r=e.getBindingIdentifiers();for(const n of
Object.keys(r))e.scope.getBinding(n)||t.addGlobal(r[n]);e.scope.registerConstantViolation(e)}for(const e of
r.references){const r=e.scope.getBinding(e.node.name);r?r.reference(e):t.addGlobal(e.node)}for(const e of
r.constantViolations)e.scope.registerConstantViolation(e)}push(e){let
t=this.path;t.isBlockStatement()||t.isProgram()||(t=this.getBlockParent().path),t.isSwitchStatement()&&(t=(this.getF
unctionParent())||this.getProgramParent()).path),(t.isLoop()||t.isCatchClause()||t.isFunction())&&(t.ensureBlock(),t=t.
get(\\\\"body\\\\"));const
r=e.unique,n=e.kind||\\\\"var\\\\",i=null==e._blockHoist?2:e._blockHoist,s=`declaration:${n}:${i}`;let
a=!r&&t.getData(s);if(!a){const
e=o.variableDeclaration(n,[]);e._blockHoist=i,[a]=t.unshiftContainer(\\\\"body\\\\",[e]),r||t.setData(s,a)}const
l=o.variableDeclarator(e.id,e.init);a.node.declarations.push(l),this.registerBinding(n,a.get(\\\\"declarations\\\\").pop())
}getProgramParent(){let e=this;do{if(e.path.isProgram())return e}while(e=e.parent);throw new Error(\\\\"Couldn't
find a Program\\\\")}getFunctionParent(){let e=this;do{if(e.path.isFunctionParent())return e}while(e=e.parent);return
null}getBlockParent(){let e=this;do{if(e.path.isBlockParent())return e}while(e=e.parent);throw new Error(\\\\"We
couldn't find a BlockStatement, For, Switch, Function, Loop or Program...\\\\")}getAllBindings(){const
e=Object.create(null);let t=this;do{for(const r of Object.keys(t.bindings))r in
e=!1&&(e[r]=t.bindings[r]);t=t.parent}while(t);return e}getAllBindingsOfKind(){const
e=Object.create(null);for(const t of arguments){let r=this;do{for(const n of Object.keys(r.bindings)){const
i=r.bindings[n];i.kind===t&&(e[n]=i)}r=r.parent}while(r)}return e}bindingIdentifierEquals(e,t){return
this.getBindingIdentifier(e)===t}getBinding(e){let t,r=this;do{const i=r.getOwnBinding(e);var
n;if(i)if(!(null==(n=t)?void 0:n.isPattern()))\\\\"param\\\\"===i.kind)return
i;t=r.path}while(r=r.parent)}getOwnBinding(e){return this.bindings[e]}getBindingIdentifier(e){var t;return
null==(t=this.getBinding(e))?void 0:t.identifier}getOwnBindingIdentifier(e){const t=this.bindings[e];return
null==t?void
0:t.identifier}hasOwnBinding(e){return!!this.getOwnBinding(e)}hasBinding(e,t){return!!e&&(!!this.hasOwnBindin
g(e)||(!this.parentHasBinding(e,t)||(!this.hasUid(e)||(!t|h.globals.includes(e)||(!t|h.contextVariables.includes(e))
))))parentHasBinding(e,t){var r;return null==(r=this.parent)?void 0:r.hasBinding(e,t)}moveBindingTo(e,t){const
r=this.getBinding(e);r&&(r.scope.removeOwnBinding(e),r.scope=t,t.bindings[e]=r)}removeOwnBinding(e){delete
this.bindings[e]}removeBinding(e){var t;null==(t=this.getBinding(e))||t.scope.removeOwnBinding(e);let
r=this;do{r.uids[e]&&(r.uids[e]=!1)}while(r=r.parent)}t.default=h,h.globals=Object.keys(a.default.builtin),h.conte
xtVariables=[\\\\"arguments\\\\",\\\\"undefined\\\\",\\\\"Infinity\\\\",\\\\"NaN\\\\"],function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=void
0;t.default=class{constructor({identifier:e,scope:t,path:r,kind:n}){this.constantViolations=[],this.constant=!0,this.ref
erencePaths=[],this.referenced=!1,this.references=0,this.identifier=e,this.scope=t,this.path=r,this.kind=n,this.clearVa
lue()}{this.clearValue(),this.hasDeoptedValue=!0}setValue(e){this.hasDeoptedValue||(this.hasValue=!

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0,this.value=e)}clearValue(){this.hasDeoptedValue=!1,this.hasValue=!1,this.value=null}reassign(e){this.constant=!
1,-1===this.constantViolations.indexOf(e)&&this.constantViolations.push(e)}reference(e){-
1===this.referencePaths.indexOf(e)&&(this.referenced=!0,this.references++,this.referencePaths.push(e))}dereferen
ce(){this.references--,this.referenced=!this.references}},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const r=e.split("\\.\\.\\.");return
e=>(0,n.default)(e,r,t)};var n=r(103)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!0,n.isMemberExpressio
n)(e))return!1;const i=Array.isArray(t)?t.split("\\.\\.\\."),s=[];let
a;for(a=e;(0,n.isMemberExpression)(a);a=a.object)s.push(a.property);if(s.push(a),s.length<i.length)return!1;if(!r&&
s.length>i.length)return!1;for(let e=0,t=s.length-1;e<i.length;e++,t--){const r=s[t];let
a;if((0,n.isIdentifier)(r))a=r.name;else
if((0,n.isStringLiteral)(r))a=r.value;else{if(!0,n.isThisExpression)(r))return!1;a="this"if(i[e]!==a)return!1}retu
rn!0};var n=r(1)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(e===t)return!0;const
r=n.PLACEHOLDERS_ALIAS[e];if(r)for(const e of r)if(t===e)return!0;return!1};var n=r(6)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.PLACEHOLDERS_FLIPPED_ALIAS=t.PLACE
HOLDERS_ALIAS=t.PLACEHOLDERS=void 0;var n=r(10);const
i=["Identifier","StringLiteral","Expression","Statement","Declaration","BlockStatement","
ClassBody","Pattern"];t.PLACEHOLDERS=i;const
s={Declaration:[Statement],Pattern:[PatternLike],LVal:[]};t.PLACEHOLDERS_ALIAS=s;for(const
e of i){const t=n.ALIAS_KEYS[e];null!=t&&t.length&&(s[e]=t)}const
a={};t.PLACEHOLDERS_FLIPPED_ALIAS=a,Object.keys(s).forEach(e=>{s[e].forEach(t=>{Object.hasOwnProp
erty.call(a,t)||a[t]=[],a[t].push(e)}))},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return!(e||n.VISITOR_KEY
S[e.type])};var n=r(6)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t){const
r={},s={},a=[],o=[];for(let l=0;l<t.length;l++){const
c=t[l];if(c&&!(o.indexOf(c)>=0)){if((0,n.isAnyTypeAnnotation)(c))return[c];if((0,n.isFlowBaseAnnotation)(c))s[c.t
ype]=c;else if((0,n.isUnionTypeAnnotation)(c))a.indexOf(c.types)<0&&(t=t.concat(c.types),a.push(c.types));else
if((0,n.isGenericTypeAnnotation)(c)){const t=i(c.id);if(r[t]){let
n=r[t];n.typeParameters?c.typeParameters&&(n.typeParameters.params=e(n.typeParameters.params.concat(c.typePa
rameters.params)):n=c.typeParameters}else r[t]=c}else o.push(c)}for(const e of
Object.keys(s))o.push(s[e]);for(const e of Object.keys(r))o.push(r[e]);return o};var n=r(1);function
i(e){return(0,n.isIdentifier)(e)?e.name:`${e.id.name}.${e.qualification}`}},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!r||e)return e;const
n=t+"Comments";e[n]?e[n]=""leading""===t?r.concat(e[n]):e[n].concat(r):e[n]=r;return
e}},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){(0,n.default)(\\"innerComme
nts\\",e,t)};var n=r(58)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){(0,n.default)(\\"leadingCom
ments\\",e,t)};var n=r(58)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){return(0,n.default)(e,t),(0,i.d
efault)(e,t),(0,s.default)(e,t,e)};var n=r(112),i=r(110),s=r(109)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){(0,n.default)(\\"trailingCom
ments\\",e,t)};var n=r(58)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if((0,n.isBlockStatement)(e))
return e;let
r=[];(0,n.isEmptyStatement)(e)?r=[]:((0,n.isStatement)(e)||e=(0,n.isFunction)(t)?(0,i.returnStatement)(e):(0,i.expres

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sionStatement(e)),r=[e]);return(0,i.blockStatement(r));var n=r(1),i=r(3),function(e,t,r){use
strict};Object.defineProperty(t, "__esModule", { value: !0}),t.default=function(e){e+="";let
t=""};for(const r of e)t+=(0,i.isIdentifierChar)(r.codePointAt(0))?r:"-";t=t.replace(/^[0-
9]+/, ""),t=t.replace(/[-\\s]+(.)?/g, (function(e,t){return
t?t.toUpperCase():""})),(0,n.default)(t)(t=""+"");return t};"_";var
n=r(24),i=r(19)},function(e,t,r){use
strict};Object.defineProperty(t, "__esModule", { value: !0}),t.default=function(e,t){return(0,n.default)(e,i.default
),e};var n=r(116),i=r(117)},function(e,t,r){use
strict};Object.defineProperty(t, "__esModule", { value: !0}),t.default=function e(t,r,i){if(!t)return;const
s=n.VISITOR_KEYS[t.type];if(!s)return;r(t,i=||{});for(const n of s){const s=t[n];if(Array.isArray(s))for(const t of
s)e(t,r,i);else e(s,r,i)};var n=r(6)},function(e,t,r){use
strict};Object.defineProperty(t, "__esModule", { value: !0}),t.default=function(e,t={}){const
r=t.preserveComments?i:s;for(const t of r)null!=e[t]&&(e[t]=void 0);for(const t of
Object.keys(e))"_"===t[0]&&null!=e[t]&&(e[t]=void 0);const n=Object.getOwnPropertySymbols(e);for(const t
of n)e[t]=null};var n=r(15);const
i=["tokens","start","end","loc","raw","rawValue"],s=n.COMMENT_KEYS.concat(["com
ments"]).concat(i),function(e,t,r){use
strict};Object.defineProperty(t, "__esModule", { value: !0}),t.default=function(e){return(0,n.isVariableDeclarati
on)(e)&&(!"var"!==e.kind||e.BLOCK_SCOPED_SYMBOL)};var n=r(1),i=r(15)},function(e,t,r){var
n=r(120),i=r(25),s=r(121).ArraySet,a=r(318).MappingList;function
o(e){e={},this._file=i.getArg(e,"file",null),this._sourceRoot=i.getArg(e,"sourceRoot",null),this._skipVa
lidation=i.getArg(e,"skipValidation",!1),this._sources=new s,this._names=new s,this._mappings=new
a,this._sourcesContents=null}o.prototype._version=3,o.fromSourceMap=function(e){var t=e.sourceRoot,r=new
o({file:e.file,sourceRoot:t});return e.eachMapping((function(e){var
n={generated:{line:e.generatedLine,column:e.generatedColumn};null!=e.source&&(n.source=e.source,null!=t&&
(n.source=i.relative(t,n.source)),n.original={line:e.originalLine,column:e.originalColumn},null!=e.name&&(n.name
=e.name)),r.addMapping(n)}),e.sources.forEach((function(t){var
n=e.sourceContentFor(t);null!=n&&r.setSourceContent(t,n)}),r),o.prototype.addMapping=function(e){var
t=i.getArg(e,"generated"),r=i.getArg(e,"original",null),n=i.getArg(e,"source",null),s=i.getArg(e,"nam
e",null);this._skipValidation||this._validateMapping(t,r,n,s,null!=n&&(n=String(n),this._sources.has(n)||this._sour
ces.add(n),null!=s&&(s=String(s),this._names.has(s)||this._names.add(s)),this._mappings.add({generatedLine:t.line
,generatedColumn:t.column,originalLine:null!=r&&r.line,originalColumn:null!=r&&r.column,source:n,name:s})),o
.prototype.setSourceContent=function(e,t){var
r=e;null!=this._sourceRoot&&(r=i.relative(this._sourceRoot,r)),null!=t?(this._sourcesContents||(this._sourcesConten
ts=Object.create(null)),this._sourcesContents[i.toSetString(r)]=t):this._sourcesContents&&(delete
this._sourcesContents[i.toSetString(r)],0===Object.keys(this._sourcesContents).length&&(this._sourcesContents=n
ull)),o.prototype.applySourceMap=function(e,t,r){var n=t;if(null==t){if(null==e.file)throw new
Error('SourceMapGenerator.prototype.applySourceMap requires either an explicit source file, or the source map'
's
"file" property. Both were omitted.')}n=e.file}var a=this._sourceRoot;null!=a&&(n=i.relative(a,n));var o=new
s,l=new s;this._mappings.unsortedForEach((function(t){if(t.source===n&&null!=t.originalLine){var
s=e.originalPositionFor({line:t.originalLine,column:t.originalColumn});null!=s.source&&(t.source=s.source,null!=r
&&(t.source=i.join(r,t.source)),null!=a&&(t.source=i.relative(a,t.source)),t.originalLine=s.line,t.originalColumn=s.c
olumn,null!=s.name&&(t.name=s.name))}var c=t.source;null==c||o.has(c)||o.add(c);var
p=t.name;null==p||l.has(p)||l.add(p)}),this),this._sources=o,this._names=l,e.sources.forEach((function(t){var
n=e.sourceContentFor(t);null!=n&&(null!=r&&(t=i.join(r,t)),null!=a&&(t=i.relative(a,t)),this.setSourceContent(t,n
)),this}),o.prototype._validateMapping=function(e,t,r,n){if(t&&"number"!==typeof
t.line&&"number"!==typeof t.column)throw new Error("original.line and original.column are not numbers --
you probably meant to omit the original mapping entirely and only map the generated position. If so, pass null for

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the original mapping instead of an object with empty or null values.}});if(!!(e&&{"line" in e&&{"column" in e&&e.line>0&&e.column>=0})||r||n)&&!(e&&{"line" in e&&{"column" in e&&t&&{"line" in t&&{"column" in t&&e.line>0&&e.column>=0&&t.line>0&&t.column>=0&&r}))throw new Error({"Invalid mapping:

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}}+JSON.stringify({ generated:e,source:r,original:t,name:n})),o.prototype._serializeMappings=function(){for(var
e,t,r,s,a=0,o=1,l=0,c=0,p=0,u=0,d={"",""},h=this._mappings.toArray(),f=0,m=h.length;f<m;f++){if(e={""},(t=h[f])
.generatedLine!==o)for(a=0;t.generatedLine!==o;e+={""},o++);else
if(f>0){if(!i.compareByGeneratedPositionsInflated(t,h[f-1]))continue;e+={""},e+=n.encode(t.generatedColumn-
a),a=t.generatedColumn,null!==t.source&&(s=this._sources.indexOf(t.source),e+=n.encode(s-
u),u=s,e+=n.encode(t.originalLine-1-c),c=t.originalLine-1,e+=n.encode(t.originalColumn-
l),l=t.originalColumn,null!==t.name&&(r=this._names.indexOf(t.name),e+=n.encode(r-p),p=r),d+=e}return
d},o.prototype._generateSourcesContent=function(e,t){return e.map((function(e){if(!this._sourcesContents)return
null;null!==t&&(e=i.relative(t,e));var r=i.toSetString(e);return
Object.prototype.hasOwnProperty.call(this._sourcesContents,r)?this._sourcesContents[r]:null}),this)},o.prototype.to
JSON=function(){var
e={ version:this._version,sources:this._sources.toArray(),names:this._names.toArray(),mappings:this._serializeMapp
ings()};return
null!==this._file&&(e.file=this._file),null!==this._sourceRoot&&(e.sourceRoot=this._sourceRoot),this._sourcesConte
nts&&(e.sourcesContent=this._generateSourcesContent(e.sources,e.sourceRoot)),e},o.prototype.toString=function()
{return JSON.stringify(this.toJSON())},t.SourceMapGenerator=o,function(e,t,r){var
n=r(317);t.encode=function(e){var t,r={""},i=function(e){return e<0?1+(-
e<<1):0+(e<<1)}(e);do{t=31&i,(i>>=5)>0&&(t|=32),r+=n.encode(t)}while(i>0);return
r},t.decode=function(e,t,r){var i,s,a,o,l=e.length,c=0,p=0;do{if(t>=l)throw new Error({"Expected more digits in
base 64 VLQ value."});if(-1===s=n.decode(e.charCodeAt(t+++)))throw new Error({"Invalid base64 digit:
"+e.charAt(t-1)});i=!(32&s),c+=(s&=31)<<p,p+=5}while(i);r.value=(o=(a=c)>>1,l==(1&a)?-
o:o),r.rest=t}},function(e,t,r){var n=r(25),i=Object.prototype.hasOwnProperty,s={"undefined"}!=typeof
Map;function a(){this._array=[],this._set=s?new Map:Object.create(null)}a.fromArray=function(e,t){for(var r=new
a,n=0,i=e.length;n<i;n++)r.add(e[n],t);return r},a.prototype.size=function(){return
s?this._set.size:Object.getOwnPropertyNames(this._set).length},a.prototype.add=function(e,t){var
r=s?e:n.toSetString(e),a=s?this.has(e):i.call(this._set,r),o=this._array.length;a&&t!this._array.push(e),a||s?this._set
.set(e,o):this._set[r]=o},a.prototype.has=function(e){if(s)return this._set.has(e);var t=n.toSetString(e);return
i.call(this._set,t)},a.prototype.indexOf=function(e){if(s){var t=this._set.get(e);if(t>=0)return t}else{var
r=n.toSetString(e);if(i.call(this._set,r))return this._set[r]}throw new Error({""+e+" is not in the
set."}),a.prototype.at=function(e){if(e>=0&&e<this._array.length)return this._array[e];throw new Error({"No
element indexed by "+e}),a.prototype.toArray=function(){return
this._array.slice()},t.ArraySet=a},function(e,t,r){{"use
strict";Object.defineProperty(t,{"__esModule"},{value:!0}),t.needsWhitespace=h,t.needsWhitespaceBefore=fun
ction(e,t){return h(e,t,{"before"})},t.needsWhitespaceAfter=function(e,t){return
h(e,t,{"after"})},t.needsParens=function(e,t,r){if(!t)return!1;if(s.isNewExpression(t)&&t.callee===e&&function
e(t){if(s.isCallExpression(t))return!0;return s.isMemberExpression(t)&&e(t.object)}(e))return!0;return
d(c,e,t,r)};var n=o(r(325)),i=o(r(326)),s=o(r(0));function a(){if({"function"}!=typeof WeakMap)return null;var
e=new WeakMap;return a=function(){return e},e}function o(e){if(e&&e.__esModule)return
e;if(null===e||{"object"}!=typeof e&&{"function"}!=typeof e)return{default:e};var t=a();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}return
r.default=e,t&&t.set(e,r,r)}function l(e){const t={};function r(e,r){const n=t[e];t[e]=n?function(e,t,i){const
s=n(e,t,i);return null===s?s:r(e,t,i):s}:r}for(const t of Object.keys(e)){const

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n=s.FLIPPED_ALIAS_KEYS[t];if(n)for(const i of n)r(i,e[t]);else r(t,e[t])return t}const
c=l(i),p=l(n.nodes),u=l(n.list);function d(e,t,r,n){const i=e[t.type];return i?i(t,r,n):null}function h(e,t,r){if(!e)return
0;s.isExpressionStatement(e)&&(e=e.expression);let n=d(p,e,t);if(!n){const i=d(u,e,t);if(i)for(let
t=0;t<i.length&&(n=h(i[t],e,r),!n);t++);}return""=="object"===typeof
n&&null!==(n&&n[r]||0)},function(e,t,r){""use
strict"";Object.defineProperty(t, "__esModule", { value: !0 }), t.ImportSpecifier=function(e){""type""!==(e.import
Kind&&""typeof""!==(e.importKind||(this.word(e.importKind),this.space()));this.print(e.imported,e),e.local&&e.l
ocal.name!==(e.imported.name&&(this.space(),this.word(""as""),this.space(),this.print(e.local,e))),t.ImportDefault
Specifier=function(e){this.print(e.local,e)},t.ExportDefaultSpecifier=function(e){this.print(e.exported,e)},t.ExportS
pecifier=function(e){this.print(e.local,e),e.exported&&e.local.name!==(e.exported.name&&(this.space(),this.word(\
"as""),this.space(),this.print(e.exported,e))),t.ExportNamespaceSpecifier=function(e){this.token(""*""),this.spac
e(),this.word(""as""),this.space(),this.print(e.exported,e)},t.ExportAllDeclaration=function(e){this.word(""export
""),this.space(),""type""===e.exportKind&&(this.word(""type""),this.space());this.token(""*""),this.space(),t
his.word(""from""),this.space(),this.print(e.source,e),this.printAssertions(e),this.semicolon(),t.ExportNamedDecl
aration=function(e){this.format.decoratorsBeforeExport&&n.isClassDeclaration(e.declaration)&&this.printJoin(e.d
eclaration.decorators,e);this.word(""export""),this.space(),s.apply(this,arguments)},t.ExportDefaultDeclaration=fun
ction(e){this.format.decoratorsBeforeExport&&n.isClassDeclaration(e.declaration)&&this.printJoin(e.declaration.
decorators,e);this.word(""export""),this.space(),this.word(""default""),this.space(),s.apply(this,arguments)},t.Im
portDeclaration=function(e){var
t;this.word(""import""),this.space(),(""type""===e.importKind||""typeof""===e.importKind)&&(this.word(e.i
mportKind),this.space());const r=e.specifiers.slice(0);if(null==r?void 0:r.length){for(;;){const
t=r[0];if(!n.isImportDefaultSpecifier(t)&&!n.isImportNamespaceSpecifier(t))break;this.print(r.shift(),e),r.length&&
(this.token("",""),this.space())}r.length&&(this.token("{}"),this.space(),this.printList(r,e),this.space(),this.token
("{}{}"),this.space(),this.word(""from""),this.space())}this.print(e.source,e),this.printAssertions(e),(null==(t=e.att
ributes)?void
0:t.length)&&(this.space(),this.word(""with""),this.space(),this.printList(e.attributes,e));this.semicolon(),t.Import
Attribute=function(e){this.print(e.key),this.token(":"),this.space(),this.print(e.value)},t.ImportNamespaceSpecifi
er=function(e){this.token(""*""),this.space(),this.word(""as""),this.space(),this.print(e.local,e)};var
n=function(e){if(e&&e.__esModule)return e;if(null===e||""object""!==(typeof e&&""function""!==(typeof
e))return {default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if(""function""!==(typeof WeakMap))return null;var e=new
WeakMap;return i=function(){return e},e}function s(e){if(e.declaration){const
t=e.declaration;this.print(t,e),n.isStatement(t)||this.semicolon()}else{""type""===e.exportKind&&(this.word(""ty
pe""),this.space());const t=e.specifiers.slice(0);let r=!1;for(;;){const
i=t[0];if(!n.isExportDefaultSpecifier(i)&&!n.isExportNamespaceSpecifier(i))break;r=!0,this.print(t.shift(),e),t.length
&&(this.token("",""),this.space())}(t.length)!t.length&&r&&(this.token("{}"),t.length&&(this.space(),this.pri
ntList(t,e),this.space()),this.token("{}{}"),e.source&&(this.space(),this.word(""from""),this.space(),this.print(e.s
ource,e),this.printAssertions(e)),this.semicolon())},function(e,t,r){""use
strict"";Object.defineProperty(t, "__esModule", { value: !0 }), t.Identifier=function(e){this.exactSource(e.loc,()=>
{this.word(e.name)}}),t.ArgumentPlaceholder=function(){this.token(""?)"},t.SpreadElement=t.RestElement=fun
ction(e){this.token(""..."),this.print(e.argument,e)},t.ObjectPattern=t.ObjectExpression=function(e){const
t=e.properties;this.token("{}"),this.printInnerComments(e),t.length&&(this.space(),this.printList(t,e,{indent:!0,st
atement:!0}),this.space());this.token("{}{}"),t.ObjectMethod=function(e){this.printJoin(e.decorators,e),this._meth
odHead(e),this.space(),this.print(e.body,e)},t.ObjectProperty=function(e){if(this.printJoin(e.decorators,e),e.compute
d)this.token("[{}"),this.print(e.key,e),this.token("]{}");else{if(i.isAssignmentPattern(e.value)&&i.isIdentifier(e.

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i=(r.highlightCode||r.forceColor)&&(0,n.shouldHighlight)(r),s=(0,n.getChalk)(r),o=function(e){return{gutter:e.grey,
marker:e.red.bold,message:e.red.bold}}(s),l=(e,t)=>i?e(t):t,c=e.split(a),{start:p,end:u,markerLines:d}=function(e,t,r)
{const n=Object.assign({column:0,line:-
1},e.start),i=Object.assign({,n,e.end),{linesAbove:s=2,linesBelow:a=3}=r||{}},o=n.line,l=n.column,c=i.line,p=i.colu
mn;let u=Math.max(o-(s+1),0),d=Math.min(t.length,c+a):-1===o&&(u=0):-1===c&&(d=t.length);const h=c-
o,f={};if(h)for(let e=0;e<=h;e++){const r=e+o;if(!f[0])if(0===e){const e=t[r-1].length;f[r]=[e,l+1]}else
if(e===h)f[r]=[0,p];else{const n=t[r-e].length;f[r]=[0,n]}else f[r]=!0}else f[o]=l===p?!|[1,0]:[1,p-
1];return{start:u,end:d,markerLines:f}}(t,c,r),h=t.start&&"number"==typeof t.start.column,f=String(u).length;let
m=(i?(0,n.default)(e,r):e).split(a).slice(p,u).map((e,t)=>{const n=p+1+t,i=`${(\\\\"+n).slice(-f)}
|,s=d[n],a=!d[n+1];if(s){let t=\\\\"";if(Array.isArray(s)){const n=e.slice(0,Math.max(s[0]-
1,0)).replace(/^(\\\\"/g,\\\\" \\\\"),c=s[1]|1;t=[\\\\"\\\\"n \\\\"",l(o.gutter,i.replace(/^(\\\\"/g,\\\\" \\\\")),\\\\"
\\\\"",n,l(o.marker,\\\\"^\\\\"").repeat(c)).join(\\\\"\\\\""),a&&r.message&&(t+=\\\\"
\\\\"+l(o.message,r.message))}return[l(o.marker,\\\\">\\\\""),l(o.gutter,i),e.length>0?\\\\"
\\\\"+e:\\\\"\\\\"",t].join(\\\\"\\\\"")return`${l(o.gutter,i)}${e.length>0?\\\\" \\\\"+e:\\\\"\\\\""}'}.join(\\\\"\\\\"n\\\\"");return
r.message&&!h&&(m=`${\\\\" \\\\"".repeat(f+1)}${r.message}\\\\"n${m}`),i?s.reset(m):m}},function(e,t,r){var
n=r(349),i={};for(var s in n)n.hasOwnProperty(s)&&(i[n[s]]=s);var
a=e.exports={rgb:{channels:3,labels:\\\\"rgb\\\\"},hsl:{channels:3,labels:\\\\"hsl\\\\"},hsv:{channels:3,labels:\\\\"hsv\\\\"},
hwb:{channels:3,labels:\\\\"hwb\\\\"},cmyk:{channels:4,labels:\\\\"cmyk\\\\"},xyz:{channels:3,labels:\\\\"xyz\\\\"},lab:{c
hannels:3,labels:\\\\"lab\\\\"},lch:{channels:3,labels:\\\\"lch\\\\"},hex:{channels:1,labels:[\\\\"hex\\\\"]},keyword:{channel
s:1,labels:[\\\\"keyword\\\\"]},ansi16:{channels:1,labels:[\\\\"ansi16\\\\"]},ansi256:{channels:1,labels:[\\\\"ansi256\\\\"]},
hcg:{channels:3,labels:[\\\\"h\\\\"",\\\\"c\\\\"",\\\\"g\\\\""]},apple:{channels:3,labels:[\\\\"r16\\\\"",\\\\"g16\\\\"",\\\\"b16\\\\""]},gray:{
channels:1,labels:[\\\\"gray\\\\""]};for(var o in a)if(a.hasOwnProperty(o)){if(!\\\\"channels\\\\"in a[o])throw new
Error(\\\\"missing channels property: \\\\"+o);if(!\\\\"labels\\\\"in a[o])throw new Error(\\\\"missing channel labels
property: \\\\"+o);if(a[o].labels.length!==a[o].channels)throw new Error(\\\\"channel and label counts mismatch:
\\\\"+o);var l=a[o].channels,c=a[o].labels;delete a[o].channels,delete
a[o].labels,Object.defineProperty(a[o],\\\\"channels\\\\"",{value:1}),Object.defineProperty(a[o],\\\\"labels\\\\"",{value:c})}
a.rgb.hsl=function(e){var t,r,n=e[0]/255,i=e[1]/255,s=e[2]/255,a=Math.min(n,i,s),o=Math.max(n,i,s),l=o-a;return
o===a?t=0:n===o?t=(i-s)/l:i===o?t=2+(s-n)/l:s===o&&(t=4+(n-
i)/l),(t=Math.min(60*t,360))<0&&(t+=360),r=(a+o)/2,[t,100*(o===a?0:r<=.5?l/(o+a):l/(2-o-
a)),100*r]},a.rgb.hsv=function(e){var t,r,n,i,s,a=e[0]/255,o=e[1]/255,l=e[2]/255,c=Math.max(a,o,l),p=c-
Math.min(a,o,l),u=function(e){return(c-e)/6/p+.5};return 0===p?i=s=0:(s=p/c,t=u(a),r=u(o),n=u(l),a===c?i=n-
r:o===c?i=1/3+t-n:l===c&&(i=2/3+r-t),i<0?i+=1:i>1&&(i=1)),[360*i,100*s,100*c]},a.rgb.hwb=function(e){var
t=e[0],r=e[1],n=e[2];return[a.rgb.hsl(e)[0],100*(1/255*Math.min(t,Math.min(r,n))),100*(n=1-
1/255*Math.max(t,Math.max(r,n)))]},a.rgb.cmyk=function(e){var
t,r,e[0]/255,n=e[1]/255,i=e[2]/255;return[100*((1-r-(t=Math.min(1-r,1-n,1-i)))/(1-t)|0),100*((1-n-t)/(1-
t)|0),100*((1-i-t)/(1-t)|0),100*t]},a.rgb.keyword=function(e){var t=i[e];if(t)return t;var r,s,a,o=1/0;for(var l in
n)if(n.hasOwnProperty(l)){var c=n[l],p=(s=e,a=c,Math.pow(s[0]-a[0],2)+Math.pow(s[1]-a[1],2)+Math.pow(s[2]-
a[2],2));p<o&&(o=p,r=l)}return r},a.keyword.rgb=function(e){return n[e]},a.rgb.xyz=function(e){var
t=e[0]/255,r=e[1]/255,n=e[2]/255;return[100*(.4124*(t>.04045?Math.pow((t+.055)/1.055,2.4):t/12.92)+.3576*(r=
r>.04045?Math.pow((r+.055)/1.055,2.4):r/12.92)+.1805*(n=n>.04045?Math.pow((n+.055)/1.055,2.4):n/12.92)),100
*(.2126*t+.7152*r+.0722*n),100*(.0193*t+.1192*r+.9505*n)]},a.rgb.lab=function(e){var
t=a.rgb.xyz(e),r=t[0],n=t[1],i=t[2];return
n/=100,i/=108.883,r=(r/95.047)>.008856?Math.pow(r,1/3):7.787*r+16/116,[116*(n=n>.008856?Math.pow(n,1/3):
7.787*n+16/116)-16,500*(r-n),200*(n-(i=i>.008856?Math.pow(i,1/3):7.787*i+16/116))]},a.hsl.rgb=function(e){var
t,r,n,i,s,a=e[0]/360,o=e[1]/100,l=e[2]/100;if(0===o)return[s=255*1,s,s];t=2*1-(r=1<.5?1*(1+o):1+o-
l*o),i=[0,0,0];for(var c=0;c<3;c++)n=a+1/3*(-c-1)<0&&n++,n>1&&n--,s=6*n<1?t+6*(r-
t)*n:2*n<1?r:3*n<2?t+(r-t)*(2/3-n)*6:t,i[c]=255*s;return i},a.hsl.hsv=function(e){var
t=e[0],r=e[1]/100,n=e[2]/100,i=r,s=Math.max(n,.01);return r*(n*=2)<=1?n:2-n,i*=s<=1?s:2-

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s,[t,100*(0===n?2*i/(s+i):2*r/(n+r)),100*((n+r)/2)],a.hsv.rgb=function(e){var
t=e[0]/60,r=e[1]/100,n=e[2]/100,i=Math.floor(t)%6,s=t-Math.floor(t),a=255*n*(1-r),o=255*n*(1-r*s),l=255*n*(1-
r*(1-s));switch(n*=255,i){case 0:return[n,l,a];case 1:return[o,n,a];case 2:return[a,n,l];case 3:return[a,o,n];case
4:return[l,a,n];case 5:return[n,a,o]}}},a.hsv.hsl=function(e){var
t,r,n,i=e[0],s=e[1]/100,a=e[2]/100,o=Math.max(a,.01);return n=(2-s)*a,r=s*o,[i,100*(r/(t=(2-s)*o)<=1?t:2-
t)|0),100*(n/=2)]},a.hwb.rgb=function(e){var
t,r,n,i,s,a,o,l=e[0]/360,c=e[1]/100,p=e[2]/100,u=c+p;switch(u>1&&(c/=u,p/=u),n=6*1-
(t=Math.floor(6*t)),0!=(1&t)&&(n=1-n),i=c+n*((r=1-p)-c),t){default:case 6:case 0:s=r,a=i,o=c;break;case
1:s=i,a=r,o=c;break;case 2:s=c,a=r,o=i;break;case 3:s=c,a=i,o=r;break;case 4:s=i,a=c,o=r;break;case
5:s=r,a=c,o=i}return[255*s,255*a,255*o]},a.cmyk.rgb=function(e){var
t=e[0]/100,r=e[1]/100,n=e[2]/100,i=e[3]/100;return[255*(1-Math.min(1,t*(1-i)+i)),255*(1-Math.min(1,r*(1-
i)+i)),255*(1-Math.min(1,n*(1-i)+i))],a.xyz.rgb=function(e){var t,r,n,i=e[0]/100,s=e[1]/100,a=e[2]/100;return r=-
.9689*i+1.8758*s+.0415*a,n=.0557*i+-.204*s+1.057*a,t=(t=3.2406*i+-.15372*s+-
.4986*a)>.0031308?1.055*Math.pow(t,1/2.4)-.055:12.92*t,r=r>.0031308?1.055*Math.pow(r,1/2.4)-
.055:12.92*r,n=n>.0031308?1.055*Math.pow(n,1/2.4)-
.055:12.92*n,[255*(t=Math.min(Math.max(0,t),1)),255*(r=Math.min(Math.max(0,r),1)),255*(n=Math.min(Math.m
ax(0,n),1))],a.xyz.lab=function(e){var t=e[0],r=e[1],n=e[2];return
r/=100,n/=108.883,t=(t/=95.047)>.008856?Math.pow(t,1/3):7.787*t+16/116,[116*(r>.008856?Math.pow(r,1/3):7.
787*r+16/116)-16,500*(t-r),200*(r-(n>.008856?Math.pow(n,1/3):7.787*n+16/116))],a.lab.xyz=function(e){var
t,r,n,i=e[0];t=e[1]/500+(r=(i+16)/116),n=r-e[2]/200;var s=Math.pow(r,3),a=Math.pow(t,3),o=Math.pow(n,3);return
r=s>.008856?s:(r-16/116)/7.787,t=a>.008856?a:(t-16/116)/7.787,n=o>.008856?o:(n-
16/116)/7.787,[t*=95.047,r*=100,n*=108.883]},a.lab.lch=function(e){var
t,r=e[0],n=e[1],i=e[2];return(t=360*Math.atan2(i,n)/2/Math.PI)<0&&(t+=360),[r,Math.sqrt(n*n+i*i),t]},a.lch.lab=fun
ction(e){var t,r=e[0],n=e[1];return
t=e[2]/360*2*Math.PI,[r,n*Math.cos(t),n*Math.sin(t)],a.rgb.ansi16=function(e){var t=e[0],r=e[1],n=e[2],i=1 in
arguments?arguments[1]:a.rgb.hsv(e)[2];if(0===(i=Math.round(i/50)))return 30;var
s=30+(Math.round(n/255)<<2|Math.round(r/255)<<1|Math.round(t/255));return
2===i&&(s+=60),s},a.hsv.ansi16=function(e){return a.rgb.ansi16(a.hsv.rgb(e),e[2])},a.rgb.ansi256=function(e){var
t=e[0],r=e[1],n=e[2];return t===r&&r===n?t<8?16:t>248?231:Math.round((t-
8)/247*24)+232:16+36*Math.round(t/255*5)+6*Math.round(r/255*5)+Math.round(n/255*5)},a.ansi16.rgb=functio
n(e){var t=e%10;if(0===t||7===t)return e>50&&(t+=3.5),[t=t/10.5*255,t,t];var
r=.5*(1+~~(e>50));return[(1&t)*r*255,(t>>1&1)*r*255,(t>>2&1)*r*255]},a.ansi256.rgb=function(e){if(e>=232){
var t=10*(e-232)+8;return[t,t,t]}var r;return e-
=16,[Math.floor(e/36)/5*255,Math.floor((r=e%36)/6)/5*255,r%6/5*255]},a.rgb.hex=function(e){var
t=(((255&Math.round(e[0]))<<16)+((255&Math.round(e[1]))<<8)+(255&Math.round(e[2]))).toString(16).toUpperCase
ase());return"000000".substring(t.length)+t},a.hex.rgb=function(e){var t=e.toString(16).match(/[\a-f0-9]{6}|[\a-f0-
9]{3}/i);if(!t)return[0,0,0];var r=t[0];3===t[0].length&&(r=r.split("\\").map((function(e){return
e+e})).join("\\\\"));var n=parseInt(r,16);return[n>>16&255,n>>8&255,255&n]},a.rgb.hcg=function(e){var
t,r=e[0]/255,n=e[1]/255,i=e[2]/255,s=Math.max(Math.max(r,n),i),a=Math.min(Math.min(r,n),i),o=s-a;return
t=o<=0?0:s===r?(n-i)/o%6:s===n?2+(i-r)/o:4+(r-n)/o+4,t/=6,[360*(t%=1),100*o,100*(o<1?a/(1-
o):0)],a.hsl.hcg=function(e){var t=e[1]/100,r=e[2]/100,n=1,i=0;return(n=r<.5?2*t*r:2*t*(1-r))<1&&(i=(r-.5*n)/(1-
n)),[e[0],100*n,100*i]},a.hsv.hcg=function(e){var t=e[1]/100,r=e[2]/100,n=t*r,i=0;return n<1&&(i=(r-n)/(1-
n)),[e[0],100*n,100*i]},a.hcg.rgb=function(e){var
t=e[0]/360,r=e[1]/100,n=e[2]/100;if(0===r)return[255*n,255*n,255*n];var i,s=[0,0,0],a=t%1*6,o=a%1,l=1-
o;switch(Math.floor(a)){case 0:s[0]=1,s[1]=o,s[2]=0;break;case 1:s[0]=1,s[1]=1,s[2]=0;break;case
2:s[0]=0,s[1]=1,s[2]=o;break;case 3:s[0]=0,s[1]=1,s[2]=1;break;case
4:s[0]=o,s[1]=0,s[2]=1;break;default:s[0]=1,s[1]=0,s[2]=1}return i=(1-
r)*n,[255*(r*s[0]+i),255*(r*s[1]+i),255*(r*s[2]+i)]},a.hcg.hsv=function(e){var t=e[1]/100,r=t+e[2]/100*(1-

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t),n=0;return r>0&&(n=t/r),[e[0],100*n,100*r]},a.hcg.hsl=function(e){var t=e[1]/100,r=e[2]/100*(1-
t)+.5*t,n=0;return r>0&&r<.5?n=t/(2*r):r>=.5&&r<1&&(n=t/(2*(1-
r))),[e[0],100*n,100*r]},a.hcg.hwb=function(e){var t=e[1]/100,r=t+e[2]/100*(1-t);return[e[0],100*(r-t),100*(1-
r)]},a.hwb.hcg=function(e){var t=e[1]/100,r=1-e[2]/100,n=r-t,i=0;return n<1&&(i=(r-n)/(1-
n)),[e[0],100*n,100*i]},a.apple.rgb=function(e){return[e[0]/65535*255,e[1]/65535*255,e[2]/65535*255]},a.rgb.app
le=function(e){return[e[0]/255*65535,e[1]/255*65535,e[2]/255*65535]},a.gray.rgb=function(e){return[e[0]/100*2
55,e[0]/100*255,e[0]/100*255]},a.gray.hsl=a.gray.hsv=function(e){return[0,0,e[0]]},a.gray.hwb=function(e){return
[0,100,e[0]]},a.gray.cmyk=function(e){return[0,0,0,e[0]]},a.gray.lab=function(e){return[e[0],0,0]},a.gray.hex=funct
ion(e){var
t=255&Math.round(e[0]/100*255),r=((t<<16)+(t<<8)+t).toString(16).toUpperCase();return'"000000"'.substring(r
.length)+r},a.rgb.gray=function(e){return[(e[0]+e[1]+e[2])/3/255*100]},function(e,t,r){use
strict";Object.defineProperty(t, "__esModule", { value: !0}),t.default=function(e,t,r){const { placeholderWhitelist
:a,placeholderPattern:o,preserveComments:c,syntacticPlaceholders:p}=r,u=function(e,t,r){const
n=(t.plugins||[]).slice();!1==r&&n.push("placeholders");t=Object.assign({ allowReturnOutsideFunction:!0,allo
wSuperOutsideMethod:!0,sourceType:"module"},t,{ plugins:n});try{return(0,i.parse)(e,t)}catch(t){const
r=t.loc;throw
r&&(t.message+='"'+n+'"+(0,s.codeFrameColumns)(e,{start:r}),t.code="BABEL_TEMPLATE_PARSE_ERR
OR"),t}}(t,r.parser,p);n.removePropertiesDeep(u,{preserveComments:c}),e.validate(u);const
d={placeholders:[],placeholderNames:new Set},h={placeholders:[],placeholderNames:new Set},f={ value:void
0};return
n.traverse(u,l,{ syntactic:d,legacy:h,isLegacyRef:f,placeholderWhitelist:a,placeholderPattern:o,syntacticPlaceholders
:p}),Object.assign({ast:u,f.value?h:d});var n=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!=typeof e&&"function"!=typeof e)return{default:e};var t=a(),if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(20)),i=r(361),s=r(125);function a(){if("function"!=typeof WeakMap)return null;var
e=new WeakMap;return a=function(){return e},e}const o=/^[_$A-Z0-9]+$/;function l(e,t,r){var i;let
s;if(n.isPlaceholder(e)){if(!1===r.syntacticPlaceholders)throw new Error("%foo%-style placeholders can't be
used when 'syntacticPlaceholders' is
false.");s=e.name.name,r.isLegacyRef.value=!1}else{if(!1===r.isLegacyRef.value||r.syntacticPlaceholders)return;
if(n.isIdentifier(e)||n.isJSXIdentifier(e))s=e.name,r.isLegacyRef.value=!0}else{if(!n.isStringLiteral(e))return;s=e.val
ue,r.isLegacyRef.value=!0}if(!r.isLegacyRef.value&&(null!=r.placeholderPattern||null!=r.placeholderWhitelist))th
row new Error("'placeholderWhitelist' and 'placeholderPattern' aren't compatible with 'syntacticPlaceholders:
true'");if(r.isLegacyRef.value&&(1===r.placeholderPattern||!(r.placeholderPattern|o).test(s))&&(null==(i=r.pla
ceholderWhitelist)?void 0:i.has(s)))return;t=t.slice();const {node:a,key:l}=t[t.length-1];let
c;n.isStringLiteral(e)||n.isPlaceholder(e,{expectedNode:"StringLiteral"})?c="string":n.isNewExpression(a)
&&"arguments"===l||n.isCallExpression(a)&&"arguments"===l||n.isFunction(a)&&"params"===l?c="
param":n.isExpressionStatement(a)&&!n.isPlaceholder(e)?c="statement":t=t.slice(0,-
1)):c=n.isStatement(e)&&n.isPlaceholder(e)?"statement":"other";const {placeholders:p,placeholderNames:u
}=r.isLegacyRef.value?r.legacy:r.syntactic;p.push({name:s,type:c,resolve:e=>function(e,t){let r=e;for(let
e=0;e<t.length-1;e++){const {key:n,index:i}=t[e];r=void 0===i?r[n]:r[n][i]}const {key:n,index:i}=t[t.length-
1];return{parent:r,key:n,index:i}}(e,t),isDuplicate:u.has(s)),u.add(s)},function(e,t,r){use
strict";Object.defineProperty(t, "__esModule", { value: !0}),t.default=function(e,t){const
r=n.cloneNode(e.ast);t&&(e.placeholders.forEach(e=>{if(!Object.prototype.hasOwnProperty.call(t,e.name)){const
t=e.name;throw new Error("Error: No substitution given for '"+t+"'". If this is not meant to be a
placeholder you may want to consider passing one of the following options to @babel/template:
placeholderPattern: false, placeholderWhitelist: new Set(['$t'])
placeholderPattern: /^${t}$/

```

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})})),Object.keys(t).forEach(t=>{if(!e.placeholderNames.has(t))throw new Error(`Unknown substitution
\\\\"$ {t} \\\\" given`)});return
e.placeholders.slice().reverse().forEach(e=>{try{!function(e,t,r){e.isDuplicate&&(Array.isArray(r)?r=r.map(e=>n.cl
oneNode(e)):\\\\"object \\\\"===typeof
r&&(r=n.cloneNode(r));const{parent:i,key:s,index:a}=e.resolve(t);if(\\\\"string \\\\"===e.type){if(\\\\"string \\\\"===type
of r&&(r=n.stringLiteral(r)),!r||!n.isStringLiteral(r))throw new Error(\\\\"Expected string substitution \\\\"")}else
if(\\\\"statement \\\\"===e.type)void 0===a?r?Array.isArray(r)?n.blockStatement(r):\\\\"string \\\\"===typeof
r?n.expressionStatement(n.identifier(r)):n.isStatement(r)||(r=n.expressionStatement(r)):r=n.emptyStatement():r&&
!Array.isArray(r)&&(\\\\"string \\\\"===typeof
r&&(r=n.identifier(r)),n.isStatement(r)||(r=n.expressionStatement(r));else
if(\\\\"param \\\\"===e.type){if(\\\\"string \\\\"===typeof r&&(r=n.identifier(r)),void 0===a)throw new Error(\\\\"Assertion
failure. \\\\"")}else if(\\\\"string \\\\"===typeof r&&(r=n.identifier(r)),Array.isArray(r))throw new Error(\\\\"Cannot replace
single expression with an array. \\\\"");if(void 0===a)n.validate(i,s,r),i[s]=r;else{const
t=i[s].slice();\\\\"statement \\\\"===e.type||\\\\"param \\\\"===e.type?null==r?t.splice(a,1):Array.isArray(r)?t.splice(a,1,...r
):t[a]=r:t[a]=r,n.validate(i,s,t),i[s]=t}}(e,r,t&&t[e.name]||null)}catch(t){throw t.message=`@babel/template
placeholder \\\\"$ {e.name} \\\\"": $ {t.message}`},t)},r);var n=function(e){if(e&&e.__esModule)return
e;if(null===e||\\\\"object \\\\"!==typeof e&&(\\\\"function \\\\"!==typeof e))return{default:e};var t=i();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get|a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(20));function i(){if(\\\\"function \\\\"!==typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e},function(e,t,r){var n,i,s;!function(a,o){\\\\"use strict \\\\";i=[r(373)],void
0===(s=\\\\"function \\\\"===typeof(n=function(e){var t=/(^@)\\\\\\\\S+:\\\\\\d+/,r=/^\\\\\\\\s*at
.*\\\\\\\\S+:\\\\\\d+\\\\\\\\(native\\\\\\\\)/m,n=/^(eval@)?(\\\\\\\\[native code])?$/;return{parse:function(e){if(void
0!==e.stacktrace||void 0!==e[\\\\"opera#sourceloc \\\\"])return this.parseOpera(e);if(e.stack&&e.stack.match(r))return
this.parseV8OrIE(e);if(e.stack)return this.parseFFOrSafari(e);throw new Error(\\\\"Cannot parse given Error
object \\\\")},extractLocation:function(e){if(-1===e.indexOf(\\\\": \\\\"))return[e];var
t=/(.+)?(?::(\\\\\\\\d+))?(?::(\\\\\\\\d+))?$/g.exec(e.replace(/[/()]/g,\\\\" \\\\"));return[t[1],t[2]||void 0,t[3]||void
0]},parseV8OrIE:function(t){return
t.stack.split(\\\\" \\\\"n \\\\").filter((function(e){return!e.match(r)}),this).map((function(t){t.indexOf(\\\\"(eval \\\\")>-
1&&(t=t.replace(/eval code/g,\\\\"eval \\\\").replace(/(\\\\\\\\(eval at [^()]*)(\\\\\\\\,. *$)/g,\\\\" \\\\"));var
r=t.replace(/^\\\\\\\\s+/,\\\\" \\\\"").replace(\\\\\\\\(eval code/g,\\\\"( \\\\"),n=r.match(/
(\\\\\\\\(.+):(\\\\\\\\d+):(\\\\\\\\d+\\\\\\\\)$/),i=(r=n?r.replace(n[0],\\\\" \\\\"):r).split(\\\\\\\\s+).slice(1),s=this.extractLocation(n?n[1]:i.
pop()),a=i.join(\\\\" \\\\")||void 0,o=[\\\\"eval \\\\"],\\\\"<anonymous> \\\\"].indexOf(s[0])>-1?void 0:s[0];return new
e({functionName:a,fileName:o,lineNumber:s[1],columnNumber:s[2],source:t})),this)},parseFFOrSafari:function(t)
{return t.stack.split(\\\\" \\\\"n \\\\").filter((function(e){return!e.match(n)}),this).map((function(t){if(t.indexOf(\\\\">
eval \\\\">-1&&(t=t.replace(/ line (\\\\\\\\d+)(?:> eval line \\\\"d+) * > eval: \\\\"d+: \\\\"d+/g,\\\\".: $1 \\\\")), -
1===t.indexOf(\\\\"@ \\\\")&&-1===t.indexOf(\\\\": \\\\"))return new e({functionName:t});var
r=/(.* \\\\".+ \\\\"[^\"]*)?[@]?(?:@)/,n=t.match(r),i=n&&n[1]?n[1]:void
0,s=this.extractLocation(t.replace(r,\\\\" \\\\"));return new
e({functionName:i,fileName:s[0],lineNumber:s[1],columnNumber:s[2],source:t})),this)},parseOpera:function(e){r
eturn!e.stacktrace|e.message.indexOf(\\\\" \\\\"n \\\\">-
1&&e.message.split(\\\\" \\\\"n \\\\"").length>e.stacktrace.split(\\\\" \\\\"n \\\\"").length?this.parseOpera9(e):e.stack?this.parseO
pera11(e):this.parseOpera10(e)},parseOpera9:function(t){for(var r=/Line (\\\\\\\\d+). *script(?:in
)?(\\\\\\\\S+)/,i,n=t.message.split(\\\\" \\\\"n \\\\""),i=[],s=2,a=n.length;s<a;s+=2){var o=r.exec(n[s]);o&&i.push(new
e({fileName:o[2],lineNumber:o[1],source:n[s]})}return i},parseOpera10:function(t){for(var r=/Line (\\\\\\\\d+). *script
(?:in)?(\\\\\\\\S+)(?: In function (\\\\\\\\S+))?$/,i,n=t.stacktrace.split(\\\\" \\\\"n \\\\""),i=[],s=0,a=n.length;s<a;s+=2){var
o=r.exec(n[s]);o&&i.push(new e({functionName:o[3]||void 0,fileName:o[2],lineNumber:o[1],source:n[s]})}return
```



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i},parseOpera11:function(r){return r.stack.split(\\\\"\\\\n\\\\").filter((function(e){return!!e.match(t)&&!e.match(/^Error
created at/)}),this).map((function(t){var
r,n=t.split(\\\\"@\\\\"),i=this.extractLocation(n.pop()),s=n.shift()\\\\\\\\\\\\\\\\,a=s.replace(/<anonymous function(
\\\\\\\\w+)?>/,\\\\"$2\\\\").replace(/\\\\\\\\([^\"]*)\\\\\\\\/g,\\\\"\\\\\\\\")\\\\void
0;s.match(/\\\\\\\\((^\"]*)\\\\\\\\)/&&(r=s.replace(/^(^)(+\\\\\\\\((^\"]*)\\\\\\\\)$/,\\\\"$1\\\\\\\\"));var o=void 0===r\\\\\\\\[arguments not
available]\\\\\\\\===r?void 0:r.split(\\\\"\\\\\\\\");return new
e({functionName:a,args:o,fileName:i[0],lineNumber:i[1],columnNumber:i[2],source:t})),this)}?n.apply(t,i):n)(
e.exports=s)}),function(e,t,r){\\\\"use strict\\\\\\";function n(e){var t=this;if(t instanceof n||(t=new
n),t.tail=null,t.head=null,t.length=0,e&&\\\\"function\\\\\\"===typeof e.forEach)e.forEach((function(e){t.push(e)}));else
if(arguments.length>0)for(var r=0,i=arguments.length;r<i;r++)t.push(arguments[r]);return t}function i(e,t,r){var
n=t===e.head?new o(r,null,t,e):new o(r,t,t.next,e);return
null===n.next&&(e.tail=n),null===n.prev&&(e.head=n),e.length++,n}function s(e,t){e.tail=new
o(t,e.tail,null,e),e.head||(e.head=e.tail),e.length++}function a(e,t){e.head=new
o(t,null,e.head,e),e.tail||(e.tail=e.head),e.length++}function o(e,t,r,n){if(!(this instanceof o))return new
o(e,t,r,n);this.list=n,this.value=e,t?(t.next=this,this.prev=t):this.prev=null,r?(r.prev=this,this.next=r):this.next=null}e.
exports=n,n.Node=o,n.create=n,n.prototype.removeNode=function(e){if(e.list!==this)throw new Error(\\\\"removing
node which does not belong to this list\\\\");var t=e.next,r=e.prev;return
t&&(t.prev=r),r&&(r.next=t),e===this.head&&(this.head=t),e===this.tail&&(this.tail=r),e.list.length--
,e.next=null,e.prev=null,e.list=null,t},n.prototype.unshiftNode=function(e){if(e!==this.head){e.list&&e.list.remove
Node(e);var
t=this.head;e.list=this,e.next=t,t&&(t.prev=e),this.head=e,this.tail||(this.tail=e),this.length++},n.prototype.pushNod
e=function(e){if(e!==this.tail){e.list&&e.list.removeNode(e);var
t=this.tail;e.list=this,e.prev=t,t&&(t.next=e),this.tail=e,this.head||(this.head=e),this.length++},n.prototype.push=fun
ction(){for(var e=0,t=arguments.length;e<t;e++)s(this,arguments[e]);return
this.length},n.prototype.unshift=function(){for(var e=0,t=arguments.length;e<t;e++)a(this,arguments[e]);return
this.length},n.prototype.pop=function(){if(this.tail){var e=this.tail.value;return
this.tail=this.tail.prev,this.tail?this.tail.next=null:this.head=null,this.length--
,e}},n.prototype.shift=function(){if(this.head){var e=this.head.value;return
this.head=this.head.next,this.head?this.head.prev=null:this.tail=null,this.length--
,e}},n.prototype.forEach=function(e,t){t=t||this;for(var
r=this.head,n=0;null!==r;n++)e.call(t,r.value,n,this),r=r.next},n.prototype.forEachReverse=function(e,t){t=t||this;for
(var r=this.tail,n=this.length-1;null!==r;n--)e.call(t,r.value,n,this),r=r.prev},n.prototype.get=function(e){for(var
t=0,r=this.head;null!==r&&t<e;t++)r=r.next;if(t===e&&null!==r)return
r.value},n.prototype.getReverse=function(e){for(var
t=0,r=this.tail;null!==r&&t<e;t++)r=r.prev;if(t===e&&null!==r)return
r.value},n.prototype.map=function(e,t){t=t||this;for(var r=new
n,i=this.head;null!==i;)r.push(e.call(t,i.value,this)),i=i.next;return
r},n.prototype.mapReverse=function(e,t){t=t||this;for(var r=new
n,i=this.tail;null!==i;)r.push(e.call(t,i.value,this)),i=i.prev;return r},n.prototype.reduce=function(e,t){var
r,n=this.head;if(arguments.length>1)r=t;else{if(!this.head)throw new TypeError(\\\\"Reduce of empty list with no
initial value\\\\");n=this.head.next,r=this.head.value}for(var i=0;null!==n;i++)r=e(r,n.value,i),n=n.next;return
r},n.prototype.reduceReverse=function(e,t){var r,n=this.tail;if(arguments.length>1)r=t;else{if(!this.tail)throw new
TypeError(\\\\"Reduce of empty list with no initial value\\\\");n=this.tail.prev,r=this.tail.value}for(var i=this.length-
1;null!==n;i--)r=e(r,n.value,i),n=n.prev;return r},n.prototype.toArray=function(){for(var e=new
Array(this.length),t=0,r=this.head;null!==r;t++)e[t]=r.value,r=r.next;return
e},n.prototype.toArrayReverse=function(){for(var e=new
Array(this.length),t=0,r=this.tail;null!==r;t++)e[t]=r.value,r=r.prev;return
e},n.prototype.slice=function(e,t){(t=t||this.length)<0&&(t+=this.length),(e=e||0)<0&&(e+=this.length);var r=new

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n;if(t<e||t<0)return r;e<0&&(e=0),t>this.length&&(t=this.length);for(var
i=0,s=this.head;null!==(s&&i<e;i++)s=s.next;for(;null!==(s&&i<t;i++)s=s.next)r.push(s.value);return
r},n.prototype.sliceReverse=function(e,t){(t=t||this.length)<0&&(t+=this.length),(e=e||0)<0&&(e+=this.length);var
r=new n;if(t<e||t<0)return r;e<0&&(e=0),t>this.length&&(t=this.length);for(var
i=this.length,s=this.tail;null!==(s&&i>t;i--)s=s.prev;for(;null!==(s&&i>e;i--),s=s.prev)r.push(s.value);return
r},n.prototype.splice=function(e,t){e>this.length&&(e=this.length-1),e<0&&(e=this.length+e);for(var
r=0,n=this.head;null!==(n&&r<e;r++)n=n.next;var
s=[];for(r=0;n&&r<t;r++)s.push(n.value),n=this.removeNode(n);null===n&&(n=this.tail),n!==(this.head&&n!==(this
s.tail&&(n=n.prev));for(r=2;r<arguments.length;r++)n=i(this,n,arguments[r]);return
s},n.prototype.reverse=function(){for(var e=this.head,t=this.tail,r=e;null!==(r;r=r.prev){var
n=r.prev;r.prev=r.next,r.next=n}return this.head=t,this.tail=e,this};try{r(131)(n)}catch(e){}},function(e,t,r){use
strict}};e.exports=function(e){e.prototype[Symbol.iterator]=function*(){for(let e=this.head;e;e=e.next)yield
e.value}}},function(e,t,r){use strict}};Object.defineProperty(t, "__esModule", { value: !0 }), t.default = void
0; var n, i = (n = r(8)) && n.__esModule ? n : { default: n }, s = function(e) { if (e && e.__esModule) return
e; if (null === e || "object" != typeof e && "function" != typeof e) return { default: e }; var t = a(); if (t && t.has(e)) return
t.get(e); var r = {}, n = Object.defineProperty && Object.getOwnPropertyDescriptor; for (var i in
e) if (Object.prototype.hasOwnProperty.call(e, i)) { var
s = n ? Object.getOwnPropertyDescriptor(e, i) : null; s && (s.get || s.set) ? Object.defineProperty(r, i, s) : r[i] = e[i] } r.default = e, t
&& t.set(e, r); return r } (r(0)); function a() { if ("function" != typeof WeakMap) return null; var e = new
WeakMap; return a = function() { return
e }, e } t.default = class { constructor(e, t, r, n) { this.queue = null, this.parentPath = n, this.scope = e, this.state = r, this.opts = t } shou
ldVisit(e) { const t = this.opts; if (t.enter || t.exit) return !0; if (t[e.type]) return !0; const
r = s.VISITOR_KEYS[e.type]; if (!(null == r ? void 0 : r.length)) return !1; for (const t of
r) if (e[t]) return !0; return !1 } create(e, t, r, n) { return
i.default.get({ parentPath: this.parentPath, parent: e, container: t, key: r, listKey: n }) } maybeQueue(e, t) { if (this.trap) throw
new Error("Infinite cycle
detected"); this.queue && (t ? this.queue.push(e) : this.priorityQueue.push(e)) } visitMultiple(e, t, r) { if (0 === e.length) ret
urn !1; const n = []; for (let i = 0; i < e.length; i++) { const s = e[i]; s && this.shouldVisit(s) && n.push(this.create(t, e, i, r)) } return
this.visitQueue(n) } visitSingle(e, t) { return !!(this.shouldVisit(e[t]) && this.visitQueue([this.create(e, e, t)]) ) } visitQueue(e)
{ this.queue = e, this.priorityQueue = []; const t = []; let r = !1; for (const n of
e) if (n.resync(), 0 !== n.contexts.length && n.contexts[n.contexts.length-
1] === this || n.pushContext(this), null !== n.key && (t.indexOf(n.node) >= 0)) { if (t.push(n.node), n.visit()) { r = !0; break } if (t
his.priorityQueue.length && (r = this.visitQueue(this.priorityQueue), this.priorityQueue = [], this.queue = e, r)) break } for (c
onst t of e) t.popContext(); return this.queue = null, r } visit(e, t) { const
r = e[t]; return !!(r && (Array.isArray(r) ? this.visitMultiple(r, e, t) : this.visitSingle(e, t))) }, function(e, t, r) { use
strict }}; var n; Object.defineProperty(t, "__esModule", { value: !0 }), t.default = void 0; var
i = (0, ((n = r(64)) && n.__esModule ? n : { default: n }).default)("React.Component"); t.default = i, function(e, t, r) { use
strict }}; Object.defineProperty(t, "__esModule", { value: !0 }), t.default = function(e) { return !!(e && /^[a-
z]/.test(e)) }, function(e, t, r) { use
strict }}; Object.defineProperty(t, "__esModule", { value: !0 }), t.default = function(e) { const t = []; for (let
r = 0; r < e.children.length; r++) { let
n = e.children[r]; (0, i.isJSXText)(n) ? (0, s.default)(n, t) : ((0, i.isJSXExpressionContainer)(n) && (n = n.expression), (0, i.isJS
XEmptyExpression)(n) || t.push(n)) } return t }; var
n, i = (r(2), s = (n = r(136)) && n.__esModule ? n : { default: n }), function(e, t, r) { use
strict }}; Object.defineProperty(t, "__esModule", { value: !0 }), t.default = function(e, t) { const
r = e.value.split(/\\r\\n|\\n|\\r/); let i = 0; for (let e = 0; e < r.length; e++) r[e].match(/^[ \\t]/) && (i = e); let
s = " "; for (let e = 0; e < r.length; e++) { const t = r[e], n = 0 === e, a = e === r.length - 1, o = e === i; let l = t.replace(/\\t/g, "
"); n || (l = l.replace(/^[ ]+/, " ")), a || (l = l.replace(/[ ]+$/, " ")), l && (o || (l += "

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\\",s+=1)}s&&t.push((0,n.stringLiteral(s)));var n=r(4)},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.default=function(e,...t){const
r=i.BUILDER_KEYS[e],a=t.length;if(a>r.length)throw new Error('$ {e}: Too many arguments passed. Received
$ {a} but can receive no more than $ {r.length} ');const o={type:e};let l=0;r.forEach(r=>{const
s=i.NODE_FIELDS[e][r];let c;l<a&&(c=t[l]),void 0===c&&(c=(0,n.default)(s.default)),o[r]=c,l++});for(const e of
Object.keys(o))(0,s.default)(o,e,o[e]);return o};var n=a(r(138)),i=r(5),s=a(r(52));function a(e){return
e&&e.__esModule?:{default:e}},function(e,t,r){var n=r(139);e.exports=function(e){return
n(e,4)},function(e,t,r){var
n=r(140),i=r(170),s=r(70),a=r(172),o=r(182),l=r(185),c=r(186),p=r(187),u=r(189),d=r(190),h=r(191),f=r(48),m=r(1
96),y=r(197),T=r(203),b=r(43),g=r(73),S=r(205),x=r(22),E=r(207),P=r(42),v=r(45),A={};A[\\"[object
Arguments]\\"]=A[\\"[object Array]\\"]=A[\\"[object ArrayBuffer]\\"]=A[\\"[object DataView]\\"]=A[\\"[object
Boolean]\\"]=A[\\"[object Date]\\"]=A[\\"[object Float32Array]\\"]=A[\\"[object
Float64Array]\\"]=A[\\"[object Int8Array]\\"]=A[\\"[object Int16Array]\\"]=A[\\"[object
Int32Array]\\"]=A[\\"[object Map]\\"]=A[\\"[object Number]\\"]=A[\\"[object Object]\\"]=A[\\"[object
RegExp]\\"]=A[\\"[object Set]\\"]=A[\\"[object String]\\"]=A[\\"[object Symbol]\\"]=A[\\"[object
Uint8Array]\\"]=A[\\"[object Uint8ClampedArray]\\"]=A[\\"[object Uint16Array]\\"]=A[\\"[object
Uint32Array]\\"]=!0,A[\\"[object Error]\\"]=A[\\"[object Function]\\"]=A[\\"[object
WeakMap]\\"]=!1,e.exports=function e(t,r,w,O,I,C){var
N,k=1&r,D=2&r,_=4&r;if(w&&(N=I?w(t,O,I,C):w(t)),void 0!==(N)return N;if(!x(t))return t;var
L=b(t);if(L){if(N=m(t,!k)return c(t,N)}else{var M=f(t),j=\\"[object Function]\\"]==M[\\"[object
GeneratorFunction]\\"]==M;if(g(t))return l(t,k);if(\\"[object Object]\\"]==M[\\"[object
Arguments]\\"]==M||j&&I){if(N=D||j?{}:T(t,!k)return D?u(t,o(N,t)):p(t,a(N,t))}else{if(!A[M])return
I?t:{};N=y(t,M,k)}}C||(C=new n);var F=C.get(t);if(F)return
F;C.set(t,N),E(t)?t.forEach((function(n){N.add(e(n,r,w,n,t,C))})):S(t)&&t.forEach((function(n,i){N.set(i,e(n,r,w,i,t,
C))}));var R=L?void 0:(_?D?h:d:D?v:P)(t);return
i(R||t,(function(n,i){R&&(n=t[i=n]),s(N,i,e(n,r,w,i,t,C))}),N)},function(e,t,r){var
n=r(26),i=r(146),s=r(147),a=r(148),o=r(149),l=r(150);function c(e){var t=this.__data__=new
n(e);this.size=t.size}c.prototype.clear=i,c.prototype.delete=s,c.prototype.get=a,c.prototype.has=o,c.prototype.set=l,
e.exports=c},function(e,t){e.exports=function(){this.__data__=[],this.size=0}},function(e,t,r){var
n=r(27),i=Array.prototype.splice;e.exports=function(e){var t=this.__data__,r=n(t,e);return!(r<0)&&(r==t.length-
1?t.pop():i.call(t,r,1),--this.size,!0)},function(e,t,r){var n=r(27);e.exports=function(e){var
t=this.__data__,r=n(t,e);return r<0?void 0:t[r][1]},function(e,t,r){var n=r(27);e.exports=function(e){return
n(this.__data__,e)>-1}},function(e,t,r){var n=r(27);e.exports=function(e,t){var r=this.__data__,i=n(r,e);return
i<0?(++this.size,r.push([e,t]):r[i][1]=t,this)},function(e,t,r){var n=r(26);e.exports=function(){this.__data__=new
n,this.size=0}},function(e,t){e.exports=function(e){var t=this.__data__,r=t.delete(e);return
this.size=t.size,r}},function(e,t){e.exports=function(e){return
this.__data__.get(e)},function(e,t){e.exports=function(e){return this.__data__.has(e)},function(e,t,r){var
n=r(26),i=r(40),s=r(157);e.exports=function(e,t){var r=this.__data__;if(r instanceof n){var
a=r.__data__;if(!i||a.length<199)return a.push([e,t]),this.size=++r.size,this;r=this.__data__=new s(a)}return
r.set(e,t),this.size=r.size,this}},function(e,t,r){var n=r(67),i=r(154),s=r(22),a=r(69),o=/^\\\\\\\\[object
.+?Constructor\\\\\\\\]$/,l=Function.prototype,c=Object.prototype,p=l.toString,u=c.hasOwnProperty,d=RegExp(\\\\"^\\\\\\\\
+p.call(u).replace(/\\\\\\\\\\\\\\\\^$.*+?O\\\\\\\\\\\\\\\\}/|/g,\\\\"\\\\\\\\\\\\\\\\$&\\\\\\\\").replace(/hasOwnProperty|(function).*?(?=\\\\\\\\\\\\\\\\\\\\\\\\O)
for
.+?(?=\\\\\\\\\\\\\\\\\\\\\\\\)/g,\\\\"$1.*?\\\\\\\\")+\\\\\\\\$\\\\\\\\");e.exports=function(e){return!(s(e)||i(e))&&(n(e)?d:o).test(a(e))},functio
n(e,t,r){var n=r(41),i=Object.prototype,s=i.hasOwnProperty,a=i.toString,o=n?n.toStringTag:void
0;e.exports=function(e){var t=s.call(e,o),r=e[o];try {e[o]=void 0;var n=!0}catch(e){}}var i=a.call(e);return
n&&(t?e[o]=r:delete e[o],i)},function(e,t){var r=Object.prototype.toString;e.exports=function(e){return
r.call(e)},function(e,t,r){var

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n,i=r(155),s=(n=/[^\.$].exec(i&&i.keys&&i.keys.IE_PROTO||""))?Symbol(src)_1.\\\'+n:\\\'+e.exports=function(e){return!!s&&s in e}},function(e,t,r){var n=r(7)(\\\'+__core-js_shared_\\\'+e.exports=n),function(e,t){e.exports=function(e,t){return null===e?void 0:e[t]}},function(e,t,r){var n=r(158),i=r(165),s=r(167),a=r(168),o=r(169);function l(e){var t=-1,r=null===e?0:e.length;for(this.clear();++t<r;){var n=e[t];this.set(n[0],n[1])}}l.prototype.clear=n,l.prototype.delete=i,l.prototype.get=s,l.prototype.has=a,l.prototype.set=o,e.exports=l},function(e,t,r){var n=r(159),i=r(26),s=r(40);e.exports=function(){this.size=0,this.__data__={hash:new n,map:new(s|i),string:new n}},function(e,t,r){var n=r(160),i=r(161),s=r(162),a=r(163),o=r(164);function l(e){var t=-1,r=null===e?0:e.length;for(this.clear();++t<r;){var n=e[t];this.set(n[0],n[1])}}l.prototype.clear=n,l.prototype.delete=i,l.prototype.get=s,l.prototype.has=a,l.prototype.set=o,e.exports=l},function(e,t,r){var n=r(28);e.exports=function(){this.__data__=n?n(null):{,this.size=0}},function(e,t){e.exports=function(e){var t=this.has(e)&&delete this.__data__[e];return this.size-=t?1:0,t}},function(e,t,r){var n=r(28),i=Object.prototype.hasOwnProperty;e.exports=function(e){var t=this.__data__;if(n){var r=t[e];return\\\'+__lodash_hash_undefined_\\\'+===r?void 0:r}return i.call(t,e)?t[e]:void 0}},function(e,t,r){var n=r(28),i=Object.prototype.hasOwnProperty;e.exports=function(e){var t=this.__data__;return 0!==t[e]?i.call(t,e)},function(e,t,r){var n=r(28);e.exports=function(e,t){var r=this.__data__;return this.size+=this.has(e)?0:1,r[e]=n&&void 0===t?\\\'+__lodash_hash_undefined_\\\'+:t,this}},function(e,t,r){var n=r(29);e.exports=function(e){var t=n(this,e).delete(e);return this.size-=t?1:0,t}},function(e,t){e.exports=function(e){var t=typeof e;return\\\'+string\\\'+===t||\\\'+number\\\'+===t||\\\'+symbol\\\'+===t||\\\'+boolean\\\'+===t?\\\'+__proto__\\\'+!:=e:null===e}},function(e,t,r){var n=r(29);e.exports=function(e){return n(this,e).get(e)},function(e,t,r){var n=r(29);e.exports=function(e){return n(this,e).has(e)},function(e,t,r){var n=r(29);e.exports=function(e,t){var r=n(this,e),i=r.size;return r.set(e,t),this.size+=r.size===i?0:1,this}},function(e,t){e.exports=function(e,t){for(var r=-1,n=null===e?0:e.length;++r<n;&&!1!==t(e[r],r,e));return e}},function(e,t,r){var n=r(11),i=function(){try{var e=n(Object,\\\'+defineProperty\\\'+);return e({,\\\'+,},{}),e}catch(e){}}();e.exports=i},function(e,t,r){var n=r(30),i=r(42);e.exports=function(e,t){return e&&n(t,i(t),e)},function(e,t){e.exports=function(e,t){for(var r=-1,n=Array(e);++r<e;n[r]=t(r);return n}},function(e,t,r){var n=r(175),i=r(12),s=Object.prototype,a=s.hasOwnProperty,o=s.propertyIsEnumerable,l=n(function(){return arguments})();n:function(e){return i(e)&&a.call(e,\\\'+callee\\\'+)&&!o.call(e,\\\'+callee\\\'+)};e.exports=l},function(e,t,r){var n=r(18),i=r(12);e.exports=function(e){return i(e)&&\\\'+[object Arguments]\\\'+===n(e)},function(e,t){e.exports=function(){return!1}},function(e,t){var r=/^(?:0|[1-9])\d*$/;e.exports=function(e,t){var n=typeof e;return!(t=null===t?9007199254740991:t)&&(\\\'+number\\\'+===n||\\\'+symbol\\\'+!:=n&&r.test(e))&&e>-1&&e%1===0&&e<t}},function(e,t,r){var n=r(179),i=r(32),s=r(33),a=s&&s.isTypedArray,o=a?i(a):n;e.exports=o},function(e,t,r){var n=r(18),i=r(74),s=r(12),a={;a[\\\'+[object Float32Array]\\\'+]=a[\\\'+[object Float64Array]\\\'+]=a[\\\'+[object Int8Array]\\\'+]=a[\\\'+[object Int16Array]\\\'+]=a[\\\'+[object Int32Array]\\\'+]=a[\\\'+[object Uint8Array]\\\'+]=a[\\\'+[object Uint8ClampedArray]\\\'+]=a[\\\'+[object Uint16Array]\\\'+]=a[\\\'+[object Uint32Array]\\\'+]=!0,a[\\\'+[object Arguments]\\\'+]=a[\\\'+[object Array]\\\'+]=a[\\\'+[object ArrayBuffer]\\\'+]=a[\\\'+[object Boolean]\\\'+]=a[\\\'+[object DataView]\\\'+]=a[\\\'+[object Date]\\\'+]=a[\\\'+[object Error]\\\'+]=a[\\\'+[object Function]\\\'+]=a[\\\'+[object Map]\\\'+]=a[\\\'+[object Number]\\\'+]=a[\\\'+[object Object]\\\'+]=a[\\\'+[object RegExp]\\\'+]=a[\\\'+[object Set]\\\'+]=a[\\\'+[object String]\\\'+]=a[\\\'+[object WeakMap]\\\'+]=!1,e.exports=function(e){return s(e)&&i(e.length)&&!a[n(e)]}},function(e,t,r){var n=r(44),i=r(181),s=Object.prototype.hasOwnProperty;e.exports=function(e){if(!n(e))return i(e);var t=[];for(var r in Object(e))s.call(e,r)&&\\\'+constructor\\\'+!=r&&t.push(r);return t}},function(e,t,r){var

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n=r(75)(Object.keys,Object);e.exports=n},function(e,t,r){var n=r(30),i=r(45);e.exports=function(e,t){return
e&&n(t,i(t),e)},function(e,t,r){var
n=r(22),i=r(44),s=r(184),a=Object.prototype.hasOwnProperty;e.exports=function(e){if(!n(e))return s(e);var
t=i(e),r=[];for(var o in e)(\|"constructor\|"!|=o!|t&&a.call(e,o))&&r.push(o);return
r}},function(e,t){e.exports=function(e){var t=[];if(null!=e)for(var r in Object(e))t.push(r);return
t}},function(e,t,r){(function(e){var n=r(7),i=t&&!t.nodeType&&t.s=i&&\|"object\|"==typeof
e&&e&&!e.nodeType&&e.a=s&&s.exports===i?n.Buffer:void 0,o=a?a.allocUnsafe:void
0;e.exports=function(e,t){if(t)return e.slice();var r=e.length,n=o?o(r):new e.constructor(r);return
e.copy(n,n)}.call(this,r(31)(e)),function(e,t){e.exports=function(e,t){var r=-
1,n=e.length;for(t|(t=Array(n));++r<n;t[r]=e[r];return t)},function(e,t,r){var
n=r(30),i=r(46);e.exports=function(e,t){return n(e,i(e),t)},function(e,t){e.exports=function(e,t){for(var r=-
1,n=null==e?0:e.length,i=0,s=[];++r<n;){var a=e[r];t(a,r,e)&&(s[i++]=a)}return s}},function(e,t,r){var
n=r(30),i=r(78);e.exports=function(e,t){return n(e,i(e),t)},function(e,t,r){var
n=r(80),i=r(46),s=r(42);e.exports=function(e){return n(e,s,i)},function(e,t,r){var
n=r(80),i=r(78),s=r(45);e.exports=function(e){return n(e,s,i)},function(e,t,r){var
n=r(11)(r(7),\|"DataView\|");e.exports=n},function(e,t,r){var
n=r(11)(r(7),\|"Promise\|");e.exports=n},function(e,t,r){var n=r(11)(r(7),\|"Set\|");e.exports=n},function(e,t,r){var
n=r(11)(r(7),\|"WeakMap\|");e.exports=n},function(e,t){var
r=Object.prototype.hasOwnProperty;e.exports=function(e){var t=e.length,n=new e.constructor(t);return
t&&\|"string\|"==typeof e[0]&&r.call(e,\|"index\|")&&(n.index=e.index,n.input=e.input),n}},function(e,t,r){var
n=r(49),i=r(199),s=r(200),a=r(201),o=r(202);e.exports=function(e,t,r){var l=e.constructor;switch(t){case\|"[object
ArrayBuffer]\|":return n(e);case\|"[object Boolean]\|":case\|"[object Date]\|":return new l(+e);case\|"[object
DataView]\|":return i(e,r);case\|"[object Float32Array]\|":case\|"[object Float64Array]\|":case\|"[object
Int8Array]\|":case\|"[object Int16Array]\|":case\|"[object Int32Array]\|":case\|"[object
Uint8Array]\|":case\|"[object Uint8ClampedArray]\|":case\|"[object Uint16Array]\|":case\|"[object
Uint32Array]\|":return o(e,r);case\|"[object Map]\|":return new l;case\|"[object Number]\|":case\|"[object
String]\|":return new l(e);case\|"[object RegExp]\|":return s(e);case\|"[object Set]\|":return new l;case\|"[object
Symbol]\|":return a(e)}}},function(e,t,r){var n=r(7).Uint8Array;e.exports=n},function(e,t,r){var
n=r(49);e.exports=function(e,t){var r=t?n(e.buffer):e.buffer;return new
e.constructor(r,e.byteOffset,e.length)},function(e,t){var r=/\|w*$/;e.exports=function(e){var t=new
e.constructor(e.source,r.exec(e));return t.lastIndex=e.lastIndex,t}},function(e,t,r){var n=r(41),i=n?n.prototype:void
0,s=i?i.valueOf:void 0;e.exports=function(e){return s?Object(s.call(e)):{}}},function(e,t,r){var
n=r(49);e.exports=function(e,t){var r=t?n(e.buffer):e.buffer;return new
e.constructor(r,e.byteOffset,e.length)},function(e,t,r){var
n=r(204),i=r(47),s=r(44);e.exports=function(e){return\|"function\|"!=typeof
e.constructor|s(e)?{ :n(i(e))}},function(e,t,r){var n=r(22),i=Object.create,s=function(){function e(){ }return
function(t){if(!n(t))return {};if(i)return i(t);e.prototype=t;var r=new e;return e.prototype=void
0,r}();e.exports=s},function(e,t,r){var
n=r(206),i=r(32),s=r(33),a=s&&s.isMap,o=a?i(a):n;e.exports=o},function(e,t,r){var
n=r(48),i=r(12);e.exports=function(e){return i(e)&&\|"[object Map]\|"==n(e)},function(e,t,r){var
n=r(208),i=r(32),s=r(33),a=s&&s.isSet,o=a?i(a):n;e.exports=o},function(e,t,r){var
n=r(48),i=r(12);e.exports=function(e){return i(e)&&\|"[object Set]\|"==n(e)},function(e,t,r){\|"use
strict\|";Object.defineProperty(t,\|"__esModule\|",{value:!0}),t.isIdentifierStart=p,t.isIdentifierChar=u,t.isIdentifie
rName=function(e){let t=!0;for(let r=0;r<e.length;r++){let
n=e.charCodeAtAt(r);if(55296==(64512&n)&&r+1<e.length){const
t=e.charCodeAtAt(++r);56320==(64512&t)&&(n=65536+((1023&n)<<10)+(1023&t))}if(t){if(t=1,!p(n))return!1}els
e if(!u(n))return!1}return t};let n=\|"µ°À-ÖÖ-öø-^-----
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-----\|\|,i=\|\|".-----
-----\|\|";const s=new RegExp(\|\|"[\\|"+n+\\|"]\|\|"),a=new
RegExp(\|\|"[\\|"+n+i+\\|"]\|\|");n=i=null;const
o=[0,11,2,25,2,18,2,1,2,14,3,13,35,122,70,52,268,28,4,48,48,31,14,29,6,37,11,29,3,35,5,7,2,4,43,157,19,35,5,35,5,3
9,9,51,157,310,10,21,11,7,153,5,3,0,2,43,2,1,4,0,3,22,11,22,10,30,66,18,2,1,11,21,11,25,71,55,7,1,65,0,16,3,2,2,2,2
8,43,28,4,28,36,7,2,27,28,53,11,21,11,18,14,17,111,72,56,50,14,50,14,35,349,41,7,1,79,28,11,0,9,21,107,20,28,22,1
3,52,76,44,33,24,27,35,30,0,3,0,9,34,4,0,13,47,15,3,22,0,2,0,36,17,2,24,85,6,2,0,2,3,2,14,2,9,8,46,39,7,3,1,3,21,2,6,
2,1,2,4,4,0,19,0,13,4,159,52,19,3,21,2,31,47,21,1,2,0,185,46,42,3,37,47,21,0,60,42,14,0,72,26,230,43,117,63,32,7,3,
0,3,7,2,1,2,23,16,0,2,0,95,7,3,38,17,0,2,0,29,0,11,39,8,0,22,0,12,45,20,0,35,56,264,8,2,36,18,0,50,29,113,6,2,1,2,37,
22,0,26,5,2,1,2,31,15,0,328,18,190,0,80,921,103,110,18,195,2749,1070,4050,582,8634,568,8,30,114,29,19,47,17,3,
32,20,6,18,689,63,129,74,6,0,67,12,65,1,2,0,29,6135,9,1237,43,8,8952,286,50,2,18,3,9,395,2309,106,6,12,4,8,8,9,5
991,84,2,70,2,1,3,0,3,1,3,3,2,11,2,0,2,6,2,64,2,3,3,7,2,6,2,27,2,3,2,4,2,0,4,6,2,339,3,24,2,24,2,30,2,24,2,30,2,24,2,30
,2,24,2,30,2,24,2,7,2357,44,11,6,17,0,370,43,1301,196,60,67,8,0,1205,3,2,26,2,1,2,0,3,0,2,9,2,3,2,0,2,0,7,0,5,0,2,0,2
,0,2,2,2,1,2,0,3,0,2,0,2,0,2,0,2,1,2,0,3,3,2,6,2,3,2,3,2,0,2,9,2,16,6,2,2,4,2,16,4421,42717,35,4148,12,221,3,5761,
15,7472,3104,541,1507,4938],l=[509,0,227,0,150,4,294,9,1368,2,2,1,6,3,41,2,5,0,166,1,574,3,9,9,370,1,154,10,176,
2,54,14,32,9,16,3,46,10,54,9,7,2,37,13,2,9,6,1,45,0,13,2,49,13,9,3,2,11,83,11,7,0,161,11,6,9,7,3,56,1,2,6,3,1,3,2,10,
0,11,1,3,6,4,4,193,17,10,9,5,0,82,19,13,9,214,6,3,8,28,1,83,16,16,9,82,12,9,9,84,14,5,9,243,14,166,9,71,5,2,1,3,3,2,
0,2,1,13,9,120,6,3,6,4,0,29,9,41,6,2,3,9,0,10,10,47,15,406,7,2,7,17,9,57,21,2,13,123,5,4,0,2,1,2,6,2,0,9,9,49,4,2,1,2,
4,9,9,330,3,19306,9,135,4,60,6,26,9,1014,0,2,54,8,3,82,0,12,1,19628,1,5319,4,4,5,9,7,3,6,31,3,149,2,1418,49,513,5
4,5,49,9,0,15,0,23,4,2,14,1361,6,2,16,3,6,2,1,2,4,262,6,10,9,419,13,1495,6,110,6,6,9,4759,9,787719,239];function
c(e,t){let r=65536;for(let
n=0,i=t.length;n<i;n+=2){if(r+=t[n],r>e)return!1;if(r+=t[n+1],r>=e)return!0}return!1}function p(e){return
e<65?36===e:e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&s.test(String.fromCharCode(e)):c(e,o)))}functi
on u(e){return
e<48?36===e:e<58!(e<65)&&(e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&a.test(String.fromCharCode(
e)):c(e,o)||c(e,l))))},function(e,t,r){\|\|use
strict\|\|";Object.defineProperty(t,\|\|__esModule\|\|",{value:!0}),t.isReservedWord=1,t.isStrictReservedWord=c,t.isStr
ictBindOnlyReservedWord=p,t.isStrictBindReservedWord=function(e,t){return
c(e,t)||p(e)},t.isKeyword=function(e){return s.has(e)};const
n=[\|\|"implements"\|\|,\|\|"interface"\|\|,\|\|"let"\|\|,\|\|"package"\|\|,\|\|"private"\|\|,\|\|"protected"\|\|,\|\|"public"\|\|,\|\|"static"\|\|
,\|\|"yield"\|\|"],i=[\|\|"eval"\|\|,\|\|"arguments"\|\|],s=new
Set([\|\|"break"\|\|,\|\|"case"\|\|,\|\|"catch"\|\|,\|\|"continue"\|\|,\|\|"debugger"\|\|,\|\|"default"\|\|,\|\|"do"\|\|,\|\|"else"\|\|,\|\|"finally"\|\|
,\|\|"for"\|\|,\|\|"function"\|\|,\|\|"if"\|\|,\|\|"return"\|\|,\|\|"switch"\|\|,\|\|"throw"\|\|,\|\|"try"\|\|,\|\|"var"\|\|,\|\|"const"\|\|,\|\|"while"\|\|
,\|\|"with"\|\|,\|\|"new"\|\|,\|\|"this"\|\|,\|\|"super"\|\|,\|\|"class"\|\|,\|\|"extends"\|\|,\|\|"export"\|\|,\|\|"import"\|\|,\|\|"null"\|\|,\|\|"tru
e"\|\|,\|\|"false"\|\|,\|\|"in"\|\|,\|\|"instanceof"\|\|,\|\|"typeof"\|\|,\|\|"void"\|\|,\|\|"delete"\|\|]),a=new Set(n),o=new
Set(i);function l(e,t){return t&&\|\|"await"\|\|===e||\|\|"enum"\|\|===e}function c(e,t){return l(e,t)||a.has(e)}function
p(e){return o.has(e)},function(e,t,r){\|\|use strict\|\|";var n=function(e){if(e&&e.__esModule)return
e;if(null===e||\|\|"object"\|\|!=typeof e&&\|\|"function"\|\|!=typeof e)return{default:e};var t=i();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]r.default=e
,t&&t.set(e,r);return r}(r(9));function i(){if(\|\|"function"\|\|!=typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e}const
s=(e,t=\|\|"TypeParameterDeclaration"\|\|)=>{(0,n.default)(e,{builder:[\|\|"id"\|\|,\|\|"typeParameters"\|\|,\|\|"extends"\|\|,\|\|
\|\|"body"\|\|],visitor:[\|\|"id"\|\|,\|\|"typeParameters"\|\|,\|\|"extends"\|\|,\|\|"mixins"\|\|,\|\|"implements"\|\|,\|\|"body"\|\|],aliases:
[\|\|"Flow"\|\|,\|\|"FlowDeclaration"\|\|,\|\|"Statement"\|\|,\|\|"Declaration"\|\|],fields:{id:(0,n.validateType)(\|\|"Identifier"\|\|
),typeParameters:(0,n.validateOptionalType)(t),extends:(0,n.validateOptional)((0,n.arrayOfType)(\|\|"InterfaceExtends"\|\|
)),mixins:(0,n.validateOptional)((0,n.arrayOfType)(\|\|"InterfaceExtends"\|\|)),implements:(0,n.validateOptiona

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l)((0,n.arrayOfType)(\\"ClassImplements\\")),body:(0,n.validateType)(\\"ObjectTypeAnnotation\\"));};(0,n.default)(\\"AnyTypeAnnotation\\",{aliases:[\\"Flow\\",\\"FlowType\\",\\"FlowBaseAnnotation\\"]}), (0,n.default)(\\"ArrayTypeAnnotation\\",{visitor:[\\"elementType\\"],aliases:[\\"Flow\\",\\"FlowType\\"],fields:{elementType:(0,n.validateType)(\\"FlowType\\")}}), (0,n.default)(\\"BooleanTypeAnnotation\\",{aliases:[\\"Flow\\",\\"FlowType\\"],\\"FlowBaseAnnotation\\"}), (0,n.default)(\\"BooleanLiteralTypeAnnotation\\",{builder:[\\"value\\"],aliases:[\\"Flow\\",\\"FlowType\\"],fields:{value:(0,n.validate)((0,n.assertValueType)(\\"boolean\\"))}}), (0,n.default)(\\"NullLiteralTypeAnnotation\\",{aliases:[\\"Flow\\",\\"FlowType\\",\\"FlowBaseAnnotation\\"]}), (0,n.default)(\\"ClassImplements\\",{visitor:[\\"id\\",\\"typeParameters\\"],aliases:[\\"Flow\\"],fields:{id:(0,n.validateType)(\\"Identifier\\"),typeParameters:(0,n.validateOptionalType)(\\"TypeParameterInstantiation\\")}}),s(\\"DeclareClass\\"), (0,n.default)(\\"DeclareFunction\\"",{visitor:[\\"id\\"],aliases:[\\"Flow\\",\\"FlowDeclaration\\",\\"Statement\\",\\"Declaration\\"],fields:{id:(0,n.validateType)(\\"Identifier\\"),predicate:(0,n.validateOptionalType)(\\"DeclaredPredicate\\")}}),s(\\"DeclareInterface\\"), (0,n.default)(\\"DeclareModule\\"",{builder:[\\"id\\",\\"body\\",\\"kind\\"],visitor:[\\"id\\",\\"body\\"],aliases:[\\"Flow\\",\\"FlowDeclaration\\",\\"Statement\\",\\"Declaration\\"],fields:{id:(0,n.validateType)(\\"Identifier\\",\\"StringLiteral\\"),body:(0,n.validateType)(\\"BlockStatement\\"),kind:(0,n.validateOptional)((0,n.assertOneOf)(\\"CommonJS\\",\\"ES\\"))}}), (0,n.default)(\\"DeclareModuleExports\\"",{visitor:[\\"typeAnnotation\\"],aliases:[\\"Flow\\",\\"FlowDeclaration\\",\\"Statement\\",\\"Declaration\\"],fields:{typeAnnotation:(0,n.validateType)(\\"TypeAnnotation\\")}}), (0,n.default)(\\"DeclareTypeAlias\\"",{visitor:[\\"id\\",\\"typeParameters\\",\\"right\\"],aliases:[\\"Flow\\",\\"FlowDeclaration\\",\\"Statement\\",\\"Declaration\\"],fields:{id:(0,n.validateType)(\\"Identifier\\"),typeParameters:(0,n.validateOptionalType)(\\"TypeParameterDeclaration\\"),right:(0,n.validateType)(\\"FlowType\\")}}), (0,n.default)(\\"DeclareOpaqueType\\"",{visitor:[\\"id\\",\\"typeParameters\\",\\"supertype\\"],aliases:[\\"Flow\\",\\"FlowDeclaration\\",\\"Statement\\",\\"Declaration\\"],fields:{id:(0,n.validateType)(\\"Identifier\\"),typeParameters:(0,n.validateOptionalType)(\\"TypeParameterDeclaration\\"),supertype:(0,n.validateOptionalType)(\\"FlowType\\")}}), (0,n.default)(\\"DeclareVariable\\",{visitor:[\\"id\\"],aliases:[\\"Flow\\",\\"FlowDeclaration\\",\\"Statement\\",\\"Declaration\\"],fields:{id:(0,n.validateType)(\\"Identifier\\")}}), (0,n.default)(\\"DeclareExportDeclaration\\"",{visitor:[\\"declaration\\",\\"specifiers\\",\\"source\\"],aliases:[\\"Flow\\",\\"FlowDeclaration\\",\\"Statement\\",\\"Declaration\\"],fields:{declaration:(0,n.validateOptionalType)(\\"Flow\\"),specifiers:(0,n.validateOptional)((0,n.arrayOfType)(\\"ExportSpecifier\\",\\"ExportNamespaceSpecifier\\")),source:(0,n.validateOptionalType)(\\"StringLiteral\\"),default:(0,n.validateOptional)((0,n.assertValueType)(\\"boolean\\"))}}), (0,n.default)(\\"DeclareExportAllDeclaration\\"",{visitor:[\\"source\\"],aliases:[\\"Flow\\",\\"FlowDeclaration\\",\\"Statement\\",\\"Declaration\\"],fields:{source:(0,n.validateType)(\\"StringLiteral\\"),exportKind:(0,n.validateOptional)((0,n.assertOneOf)(\\"type\\",\\"value\\"))}}), (0,n.default)(\\"DeclaredPredicate\\"",{visitor:[\\"value\\"],aliases:[\\"Flow\\",\\"FlowPredicate\\"],fields:{value:(0,n.validateType)(\\"Flow\\")}}), (0,n.default)(\\"ExistsTypeAnnotation\\",{aliases:[\\"Flow\\",\\"FlowType\\"]}), (0,n.default)(\\"FunctionTypeAnnotation\\",{visitor:[\\"typeParameters\\",\\"params\\",\\"rest\\",\\"returnType\\"],aliases:[\\"Flow\\",\\"FlowType\\"],fields:{typeParameters:(0,n.validateOptionalType)(\\"TypeParameterDeclaration\\"),params:(0,n.validate)((0,n.arrayOfType)(\\"FunctionTypeParam\\")),rest:(0,n.validateOptionalType)(\\"FunctionTypeParam\\"),returnType:(0,n.validateType)(\\"FlowType\\")}}), (0,n.default)(\\"FunctionTypeParam\\"",{visitor:[\\"name\\",\\"typeAnnotation\\"],aliases:[\\"Flow\\"],fields:{name:(0,n.validateOptionalType)(\\"Identifier\\"),typeAnnotation:(0,n.validateType)(\\"FlowType\\"),optional:(0,n.validateOptional)((0,n.assertValueType)(\\"boolean\\"))}}), 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Ids: { types: (0, n.validate)((0, n.arrayOfType)(\\"FlowType\\")) }, (0, n.default)(\\"MixedTypeAnnotation\\", { aliases: [\\"Flow\\", \\"FlowType\\", \\"FlowBaseAnnotation\\"] }, (0, n.default)(\\"EmptyTypeAnnotation\\", { aliases: [\\"Flow\\", \\"FlowType\\", \\"FlowBaseAnnotation\\"] }, (0, n.default)(\\"NullableTypeAnnotation\\", { visitor: [\\"typeAnnotation\\", aliases: [\\"Flow\\", \\"FlowType\\"], fields: { typeAnnotation: (0, n.validateType)(\\"FlowType\\")) }, (0, n.default)(\\"NumberLiteralTypeAnnotation\\", { builder: [\\"value\\"], aliases: [\\"Flow\\", \\"FlowType\\"], fields: { value: (0, n.validate)((0, n.assertValueType)(\\"number\\")) }, (0, n.default)(\\"NumberTypeAnnotation\\", { aliases: [\\"Flow\\", \\"FlowType\\", \\"FlowBaseAnnotation\\"] }, (0, n.default)(\\"ObjectTypeAnnotation\\", { visitor: [\\"properties\\", \\"indexers\\", \\"callProperties\\", \\"internalSlots\\", aliases: [\\"Flow\\", \\"FlowType\\"], builder: [\\"properties\\", \\"indexers\\", \\"callProperties\\", \\"internalSlots\\", \\"exact\\"], fields: { properties: (0, n.validate)((0, n.arrayOfType)(\\"ObjectTypeProperty\\", \\"ObjectTypeSpreadProperty\\")), indexers: (0, n.validateOptional)((0, n.arrayOfType)(\\"ObjectTypeIndexer\\")), callProperties: (0, n.validateOptional)((0, n.arrayOfType)(\\"ObjectTypeCallProperty\\")), internalSlots: (0, n.validateOptional)((0, n.arrayOfType)(\\"ObjectTypeInternalSlot\\")) }, exact: { validate: (0, n.assertValueType)(\\"boolean\\"), default: !1 }, inexact: (0, n.validateOptional)((0, n.assertValueType)(\\"boolean\\")) }, (0, n.default)(\\"ObjectTypeInternalSlot\\", { visitor: [\\"id\\", \\"value\\", \\"optional\\", \\"static\\", \\"method\\"], aliases: [\\"Flow\\", \\"UserWhitespacable\\"], fields: { id: (0, n.validateType)(\\"Identifier\\"), value: (0, n.validateType)(\\"FlowType\\"), optional: (0, n.validate)((0, n.assertValueType)(\\"boolean\\")), static: (0, n.validate)((0, n.assertValueType)(\\"boolean\\")), method: (0, n.validate)((0, n.assertValueType)(\\"boolean\\")) }, (0, n.default)(\\"ObjectTypeCallProperty\\", { visitor: [\\"value\\"], aliases: [\\"Flow\\", \\"UserWhitespacable\\"], fields: { value: (0, n.validateType)(\\"FlowType\\"), static: (0, n.validate)((0, n.assertValueType)(\\"boolean\\")) }, (0, n.default)(\\"ObjectTypeIndexer\\", { visitor: [\\"id\\", \\"key\\", \\"value\\", \\"variance\\"], aliases: [\\"Flow\\", \\"UserWhitespacable\\"], fields: { id: (0, n.validateOptionalType)(\\"Identifier\\"), key: (0, n.validateType)(\\"FlowType\\"), value: (0, n.validateType)(\\"FlowType\\"), static: (0, n.validate)((0, n.assertValueType)(\\"boolean\\")), variance: (0, n.validateOptionalType)(\\"Variance\\")) }, (0, n.default)(\\"ObjectTypeProperty\\", { visitor: [\\"key\\", \\"value\\", \\"variance\\"], aliases: [\\"Flow\\", \\"UserWhitespacable\\"], fields: { key: (0, n.validateType)(\\"Identifier\\", \\"StringLiteral\\"), value: (0, n.validateType)(\\"FlowType\\"), kind: (0, n.validate)((0, n.assertOneOf)(\\"init\\", \\"get\\", \\"set\\")), static: (0, n.validate)((0, n.assertValueType)(\\"boolean\\")), proto: (0, n.validate)((0, n.assertValueType)(\\"boolean\\")), optional: (0, n.validate)((0, n.assertValueType)(\\"boolean\\")), variance: (0, n.validateOptionalType)(\\"Variance\\")) }, (0, n.default)(\\"ObjectTypeSpreadProperty\\", { visitor: [\\"argument\\"], aliases: [\\"Flow\\", \\"UserWhitespacable\\"], fields: { argument: (0, n.validateType)(\\"FlowType\\")) }, (0, n.default)(\\"OpaqueType\\", { visitor: [\\"id\\", \\"typeParameters\\", \\"supertype\\", \\"impltype\\"], aliases: [\\"Flow\\", \\"FlowDeclaration\\", \\"Statement\\", \\"Declaration\\"], fields: { id: (0, n.validateType)(\\"Identifier\\"), typeParameters: (0, n.validateOptionalType)(\\"TypeParameterDeclaration\\"), supertype: (0, n.validateOptionalType)(\\"FlowType\\"), impltype: (0, n.validateType)(\\"FlowType\\")) }, (0, n.default)(\\"QualifiedTypeIdentifier\\", { visitor: [\\"id\\", 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peAnnotation\\")\\")\\"),(0,n.default)(\\"TypeParameter\\",{aliases:[\\"Flow\\"],visitor:[\\"bound\\",\\"default\\",\\"
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ariance\\")\\}),\\"),(0,n.default)(\\"TypeParameterDeclaration\\",{aliases:[\\"Flow\\"],visitor:[\\"params\\"],fields:{pa
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n\\",{aliases:[\\"Flow\\",\\"FlowType\\",\\"FlowBaseAnnotation\\"]\\}),\\"),(0,n.default)(\\"EnumDeclaration\\",{alia
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ntifier\\"),init:(0,n.validateType)(\\"BooleanLiteral\\")\\}),\\"),(0,n.default)(\\"EnumNumberMember\\",{aliases:[\\"E
numMember\\"],visitor:[\\"id\\",\\"init\\"],fields:{id:(0,n.validateType)(\\"Identifier\\"),init:(0,n.validateType)(\\
\"NumericLiteral\\")\\}),\\"),(0,n.default)(\\"EnumStringMember\\",{aliases:[\\"EnumMember\\"],visitor:[\\"id\\",\\"i
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EnumDefaultedMember\\",{aliases:[\\"EnumMember\\"],visitor:[\\"id\\"],fields:{id:(0,n.validateType)(\\"Identifi
er\\")\\}}\\}),function(e,t,r){\\"use strict\\";var n=function(e){if(e&&e.__esModule)return
e;if(null===e||\\"object\\"!==typeof e&&\\"function\\"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get|a.set)?Object.defineProperty(r,s,a):r[s]=e[s]r.default=e
,t&&t.set(e,r);return r}(r(9));function i(){if(\\"function\\"!==typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return
e,e}(0,n.default)(\\"JSXAttribute\\",{visitor:[\\"name\\",\\"value\\"],aliases:[\\"JSX\\",\\"Immutable\\"],fields:
{name:{validate:(0,n.assertNodeType)(\\"JSXIdentifier\\",\\"JSXNamespacedName\\")},value:{optional:!0,valida
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}}\\}),\\"),(0,n.default)(\\"JSXClosingElement\\",{visitor:[\\"name\\"],aliases:[\\"JSX\\",\\"Immutable\\"],fields:{na
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}}\\}),\\"),(0,n.default)(\\"JSXElement\\",{builder:[\\"openingElement\\",\\"closingElement\\",\\"children\\",\\"selfC
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ession\\")}})),(0,n.default)(\\"JSXIdentifier\\",{builder:[\\"name\\"],aliases:[\\"JSX\\"],fields:{name:{validate:(
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",{visitor:[\\"namespace\\",\\"name\\"],aliases:[\\"JSX\\"],fields:{namespace:{validate:(0,n.assertNodeType)(\\"
JSXIdentifier\\"}),name:{validate:(0,n.assertNodeType)(\\"JSXIdentifier\\"))}})),(0,n.default)(\\"JSXOpeningEle
ment\\",{builder:[\\"name\\",\\"attributes\\",\\"selfClosing\\"],visitor:[\\"name\\",\\"attributes\\"],aliases:[\\"JS
X\\",\\"Immutable\\"],fields:{name:{validate:(0,n.assertNodeType)(\\"JSXIdentifier\\",\\"JSXMemberExpressio
n\\",\\"JSXNamespacedName\\"}),selfClosing:{default:!1},attributes:{validate:(0,n.chain)((0,n.assertValueType)(\
\\"array\\"),(0,n.assertEach)((0,n.assertNodeType)(\\"JSXAttribute\\",\\"JSXSpreadAttribute\\"))}},typeParameter
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0}})),(0,n.default)(\\"JSXSpreadAttribute\\",{visitor:[\\"argument\\"],aliases:[\\"JSX\\"],fields:{argument:{valid
ate:(0,n.assertNodeType)(\\"Expression\\")}})),(0,n.default)(\\"JSXText\\",{aliases:[\\"JSX\\",\\"Immutable\\"],
builder:[\\"value\\"],fields:{value:{validate:(0,n.assertValueType)(\\"string\\")}})),(0,n.default)(\\"JSXFragment\
\\",{builder:[\\"openingFragment\\",\\"closingFragment\\",\\"children\\"],visitor:[\\"openingFragment\\",\\"chil
dren\\",\\"closingFragment\\"],aliases:[\\"JSX\\",\\"Immutable\\",\\"Expression\\"],fields:{openingFragment:{v
alidate:(0,n.assertNodeType)(\\"JSXOpeningFragment\\"}),closingFragment:{validate:(0,n.assertNodeType)(\\"JS
XClosingFragment\\"}),children:{validate:(0,n.chain)((0,n.assertValueType)(\\"array\\"),(0,n.assertEach)((0,n.asse
rtNodeType)(\\"JSXText\\",\\"JSXExpressionContainer\\",\\"JSXSpreadChild\\",\\"JSXElement\\",\\"JSXFrag
ment\\"))}})),(0,n.default)(\\"JSXOpeningFragment\\",{aliases:[\\"JSX\\",\\"Immutable\\"]}),(0,n.default)(\\"J
SXClosingFragment\\",{aliases:[\\"JSX\\",\\"Immutable\\"]}),function(e,t,r){\\"use strict\\";var
n=function(e){if(e&&e.__esModule)return e;if(null===e||\\"object\\"!=typeof e&&\\"function\\"!=typeof
e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get|a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(9)),i=r(83);function s(){if(\\"function\\"!=typeof WeakMap)return null;var e=new
WeakMap;return s=function(){return
e},e}(0,n.default)(\\"Noop\\",{visitor:[]}),0,n.default)(\\"Placeholder\\",{visitor:[],builder:[\\"expectedNode\\"],\
\\name\\"],fields:{name:{validate:(0,n.assertNodeType)(\\"Identifier\\"}),expectedNode:{validate:(0,n.assertOneO
f(...i.PLACEHOLDERS))}})),(0,n.default)(\\"V8IntrinsicIdentifier\\",{builder:[\\"name\\"],fields:{name:{validat
e:(0,n.assertValueType)(\\"string\\")}}}),function(e,t,r){\\"use strict\\";var
n=function(e){if(e&&e.__esModule)return e;if(null===e||\\"object\\"!=typeof e&&\\"function\\"!=typeof
e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get|a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(9)),i=r(50);function s(){if(\\"function\\"!=typeof WeakMap)return null;var e=new
WeakMap;return s=function(){return
e},e}(0,n.default)(\\"ArgumentPlaceholder\\",{}),0,n.default)(\\"BindExpression\\",{visitor:[\\"object\\",\\"call
e\\"],aliases:[\\"Expression\\"],fields:process.env.BABEL_TYPES_8_BREAKING?{object:{validate:(0,n.assertN
odeType)(\\"Expression\\"}),callee:{validate:(0,n.assertNodeType)(\\"Expression\\")}}:{object:{validate:Object.a
ssign(=>{},{oneOfNodeTypes:[\\"Expression\\"]})},callee:{validate:Object.assign(=>{},{oneOfNodeTypes:[\
\\"Expression\\"]})}})),(0,n.default)(\\"ClassProperty\\",{visitor:[\\"key\\",\\"value\\",\\"typeAnnotation\\",\\"de
corators\\"],builder:[\\"key\\",\\"value\\",\\"typeAnnotation\\",\\"decorators\\",\\"computed\\",\\"static\\"],alia
ses:[\\"Property\\"],fields:Object.assign({},i.classMethodOrPropertyCommon,{value:{validate:(0,n.assertNodeTyp
e)(\\"Expression\\"),optional:!0},definite:{validate:(0,n.assertValueType)(\\"boolean\\"),optional:!0},typeAnnotati
on:{validate:(0,n.assertNodeType)(\\"TypeAnnotation\\",\\"TSTypeAnnotation\\",\\"Noop\\"),optional:!0},decor

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ators:{ validate:(0,n.chain)((0,n.assertValueType)(\\"array\\"),(0,n.assertEach)((0,n.assertNodeType)(\\"Decorator\\
\\))),optional:!0},readonly:{ validate:(0,n.assertValueType)(\\"boolean\\"),optional:!0},declare:{ validate:(0,n.assert
ValueType)(\\"boolean\\"),optional:!0}}}), (0,n.default)(\\"PipelineTopicExpression\\",{ builder:[\\"expression\\
\\"],visitor:[\\"expression\\"],fields:{ expression:{ validate:(0,n.assertNodeType)(\\"Expression\\"))}},(0,n.default)(
\\"PipelineBareFunction\\",{ builder:[\\"callee\\"],visitor:[\\"callee\\"],fields:{ callee:{ validate:(0,n.assertNodeTyp
e)(\\"Expression\\"))}},(0,n.default)(\\"PipelinePrimaryTopicReference\\",{ aliases:[\\"Expression\\"]),(0,n.def
ault)(\\"ClassPrivateProperty\\",{ visitor:[\\"key\\",\\"value\\",\\"decorators\\"],builder:[\\"key\\",\\"value\\",\\"
decorators\\",\\"static\\"],aliases:[\\"Property\\",\\"Private\\"],fields:{ key:{ validate:(0,n.assertNodeType)(\\"Pri
vateName\\")),value:{ validate:(0,n.assertNodeType)(\\"Expression\\"),optional:!0},decorators:{ validate:(0,n.chain
)((0,n.assertValueType)(\\"array\\"),(0,n.assertEach)((0,n.assertNodeType)(\\"Decorator\\"))),optional:!0}}}), (0,n.
default)(\\"ClassPrivateMethod\\",{ builder:[\\"kind\\",\\"key\\",\\"params\\",\\"body\\",\\"static\\"],visitor:[\\"
key\\",\\"params\\",\\"body\\",\\"decorators\\",\\"returnType\\",\\"typeParameters\\"],aliases:[\\"Function\\",
\\"Scopable\\",\\"BlockParent\\",\\"FunctionParent\\",\\"Method\\",\\"Private\\"],fields:Object.assign({,i.class
MethodOrDeclareMethodCommon,i.functionTypeAnnotationCommon,{ key:{ validate:(0,n.assertNodeType)(\\"Priv
ateName\\")),body:{ validate:(0,n.assertNodeType)(\\"BlockStatement\\"))}},(0,n.default)(\\"ImportAttribute\\"
,{ visitor:[\\"key\\",\\"value\\"],fields:{ key:{ validate:(0,n.assertNodeType)(\\"Identifier\\",\\"StringLiteral\\")},v
alue:{ validate:(0,n.assertNodeType)(\\"StringLiteral\\")}}}), (0,n.default)(\\"Decorator\\",{ visitor:[\\"expression\\
\\"],fields:{ expression:{ validate:(0,n.assertNodeType)(\\"Expression\\"))}},(0,n.default)(\\"DoExpression\\",{ visi
tor:[\\"body\\"],aliases:[\\"Expression\\"],fields:{ body:{ validate:(0,n.assertNodeType)(\\"BlockStatement\\"))}}
), (0,n.default)(\\"ExportDefaultSpecifier\\",{ visitor:[\\"exported\\"],aliases:[\\"ModuleSpecifier\\"],fields:{ export
ed:{ validate:(0,n.assertNodeType)(\\"Identifier\\")}}}), (0,n.default)(\\"PrivateName\\",{ visitor:[\\"id\\"],aliases:[
\\"Private\\"],fields:{ id:{ validate:(0,n.assertNodeType)(\\"Identifier\\")}}}), (0,n.default)(\\"RecordExpression\\"
,{ visitor:[\\"properties\\"],aliases:[\\"Expression\\"],fields:{ properties:{ validate:(0,n.chain)((0,n.assertValueType)(
\\"array\\"),(0,n.assertEach)((0,n.assertNodeType)(\\"ObjectProperty\\",\\"SpreadElement\\"))}}}), (0,n.default)(
\\"TupleExpression\\",{ fields:{ elements:{ validate:(0,n.chain)((0,n.assertValueType)(\\"array\\"),(0,n.assertEach)(
(0,n.assertNodeType)(\\"Expression\\",\\"SpreadElement\\"))),default:[]}},visitor:[\\"elements\\"],aliases:[\\"Ex
pression\\"]), (0,n.default)(\\"DecimalLiteral\\",{ builder:[\\"value\\"],fields:{ value:{ validate:(0,n.assertValueTyp
e)(\\"string\\")}},aliases:[\\"Expression\\",\\"Pureish\\",\\"Literal\\",\\"Immutable\\"]), (0,n.default)(\\"StaticB
lock\\",{ visitor:[\\"body\\"],fields:{ body:{ validate:(0,n.chain)((0,n.assertValueType)(\\"array\\"),(0,n.assertEach)
((0,n.assertNodeType)(\\"Statement\\"))}},aliases:[\\"Scopable\\",\\"BlockParent\\"])},function(e,t,r){\\"use
strict\\";var n=function(e){if(e&&e.__esModule)return e;if(null===e||\\"object\\"!=typeof
e&&\\"function\\"!=typeof e)return {default:e};var t=s();if(t&&t.has(e))return t.get(e);var
r={,n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){ var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get|a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(9)),i=r(50);function s(){if(\\\\"function\\"!=typeof WeakMap)return null;var e=new
WeakMap;return s=function(){return e},e}const
a=(0,n.assertValueType)(\\"boolean\\"),o={ returnType:{ validate:(0,n.assertNodeType)(\\"TSTypeAnnotation\\",\\
\\Noop\\"),optional:!0},typeParameters:{ validate:(0,n.assertNodeType)(\\"TSTypeParameterDeclaration\\",\\"No
op\\"),optional:!0}}; (0,n.default)(\\"TSParameterProperty\\",{ aliases:[\\"LVal\\"],visitor:[\\"parameter\\"],fields:
{ accessibility:{ validate:(0,n.assertOneOf)(\\"public\\",\\"private\\",\\"protected\\"),optional:!0},readonly:{ validat
e:(0,n.assertValueType)(\\"boolean\\"),optional:!0},parameter:{ validate:(0,n.assertNodeType)(\\"Identifier\\",\\"
AssignmentPattern\\"))}},(0,n.default)(\\"TSDeclareFunction\\",{ aliases:[\\"Statement\\",\\"Declaration\\"],visi
tor:[\\"id\\",\\"typeParameters\\",\\"params\\",\\"returnType\\"],fields:Object.assign({,i.functionDeclarationCo
mmon,o)),(0,n.default)(\\"TSDeclareMethod\\",{ visitor:[\\"decorators\\",\\"key\\",\\"typeParameters\\",\\"para
ms\\",\\"returnType\\"],fields:Object.assign({,i.classMethodOrDeclareMethodCommon,o)),(0,n.default)(\\"TSQ
ualifiedName\\",{ aliases:[\\"TSEntityName\\"],visitor:[\\"left\\",\\"right\\"],fields:{ left:(0,n.validateType)(\\"TS
EntityName\\"),right:(0,n.validateType)(\\"Identifier\\")}});const

```

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l={ typeParameters:(0,n.validateOptionalType)(\\"TSTypeParameterDeclaration\\"),parameters:(0,n.validateArrayOfType)(\\"Identifier\\",\\"RestElement\\"),typeAnnotation:(0,n.validateOptionalType)(\\"TSTypeAnnotation\\")
},c={ aliases:[\\"TSTypeElement\\"],visitor:[\\"typeParameters\\",\\"parameters\\",\\"typeAnnotation\\"],fields:l
};(0,n.default)(\\"TSCallSignatureDeclaration\\",c),(0,n.default)(\\"TSConstructSignatureDeclaration\\",c);const
p={ key:(0,n.validateType)(\\"Expression\\"),computed:(0,n.validate)(a),optional:(0,n.validateOptional)(a);(0,n.default)(\\"TSPropertySignature\\",{ aliases:[\\"TSTypeElement\\"],visitor:[\\"key\\",\\"typeAnnotation\\",\\"initializer\\"],fields:Object.assign({ ,p,{ readonly:(0,n.validateOptional)(a),typeAnnotation:(0,n.validateOptionalType)(\\"TSTypeAnnotation\\"),initializer:(0,n.validateOptionalType)(\\"Expression\\") } }),(0,n.default)(\\"TSMethodSignature\\",{ aliases:[\\"TSTypeElement\\"],visitor:[\\"key\\",\\"typeParameters\\",\\"parameters\\",\\"typeAnnotation\\"],fields:Object.assign({ ,l,p }),(0,n.default)(\\"TSIndexSignature\\",{ aliases:[\\"TSTypeElement\\"],visitor:[\\"parameters\\",\\"typeAnnotation\\"],fields:{ readonly:(0,n.validateOptional)(a),parameters:(0,n.validateArrayOfType)(\\"Identifier\\"),typeAnnotation:(0,n.validateOptionalType)(\\"TSTypeAnnotation\\") } }));const
u=[\\"TSAnyKeyword\\",\\"TSBooleanKeyword\\",\\"TSBigIntKeyword\\",\\"TSIntrinsicKeyword\\",\\"TSNeverKeyword\\",\\"TSNullKeyword\\",\\"TSNumberKeyword\\",\\"TSObjectKeyword\\",\\"TSStringKeyword\\",\\"TSSymbolKeyword\\",\\"TSUndefinedKeyword\\",\\"TSUnknownKeyword\\",\\"TSVoidKeyword\\"];for(const e of
u)(0,n.default)(e,{ aliases:[\\"TSType\\",\\"TSBaseType\\"],visitor:[],fields:{ } });(0,n.default)(\\"TSThisType\\",{
aliases:[\\"TSType\\",\\"TSBaseType\\"],visitor:[],fields:{ } });const
d={ aliases:[\\"TSType\\"],visitor:[\\"typeParameters\\",\\"parameters\\",\\"typeAnnotation\\"],fields:l};(0,n.default)(\\"TSFunctionType\\",d),(0,n.default)(\\"TSConstructorType\\",d),(0,n.default)(\\"TSTypeReference\\",{ aliases:[\\"TSType\\"],visitor:[\\"typeName\\",\\"typeParameters\\"],fields:{ typeName:(0,n.validateType)(\\"TSEntityName\\"),typeParameters:(0,n.validateOptionalType)(\\"TSTypeParameterInstantiation\\") } }),(0,n.default)(\\"TSTypePredicate\\",{ aliases:[\\"TSType\\"],visitor:[\\"parameterName\\",\\"typeAnnotation\\"],builder:[\\"parameterName\\",\\"typeAnnotation\\",\\"asserts\\"],fields:{ parameterName:(0,n.validateType)(\\"Identifier\\",\\"TSThisType\\") },typeAnnotation:(0,n.validateOptionalType)(\\"TSTypeAnnotation\\"),asserts:(0,n.validateOptional)(a) } }),(0,n.default)(\\"TSTypeQuery\\",{ aliases:[\\"TSType\\"],visitor:[\\"exprName\\"],fields:{ exprName:(0,n.validateType)(\\"TSEntityName\\",\\"TSImportType\\") } }),(0,n.default)(\\"TSTypeLiteral\\",{ aliases:[\\"TSType\\"],visitor:[\\"members\\"],fields:{ members:(0,n.validateArrayOfType)(\\"TSTypeElement\\") } }),(0,n.default)(\\"TSArrayType\\",{ aliases:[\\"TSType\\"],visitor:[\\"elementType\\"],fields:{ elementType:(0,n.validateType)(\\"TSType\\") } }),(0,n.default)(\\"TSTupleType\\",{ aliases:[\\"TSType\\"],visitor:[\\"elementTypes\\"],fields:{ elementTypes:(0,n.validateArrayOfType)(\\"TSType\\",\\"TSNamedTupleMember\\") } }),(0,n.default)(\\"TSOptionalType\\",{ aliases:[\\"TSType\\"],visitor:[\\"typeAnnotation\\"],fields:{ typeAnnotation:(0,n.validateType)(\\"TSType\\") } }),(0,n.default)(\\"TSRestType\\",{ aliases:[\\"TSType\\"],visitor:[\\"typeAnnotation\\"],fields:{ typeAnnotation:(0,n.validateType)(\\"TSType\\") } }),(0,n.default)(\\"TSNamedTupleMember\\",{ visitor:[\\"label\\",\\"elementType\\"],builder:[\\"label\\",\\"elementType\\",\\"optional\\"],fields:{ label:(0,n.validateType)(\\"Identifier\\") ,optional:{ validate:a,default:!1 },elementType:(0,n.validateType)(\\"TSType\\") } }));const
h={ aliases:[\\"TSType\\"],visitor:[\\"types\\"],fields:{ types:(0,n.validateArrayOfType)(\\"TSType\\") } };(0,n.default)(\\"TSUnionType\\",h),(0,n.default)(\\"TSIntersectionType\\",h),(0,n.default)(\\"TSConditionalType\\",{ aliases:[\\"TSType\\"],visitor:[\\"checkType\\",\\"extendsType\\",\\"trueType\\",\\"falseType\\"],fields:{ checkType:(0,n.validateType)(\\"TSType\\") ,extendsType:(0,n.validateType)(\\"TSType\\") ,trueType:(0,n.validateType)(\\"TSType\\") ,falseType:(0,n.validateType)(\\"TSType\\") } }),(0,n.default)(\\"TSInferType\\",{ aliases:[\\"TSType\\"],visitor:[\\"typeParameter\\"],fields:{ typeParameter:(0,n.validateType)(\\"TSTypeParameter\\") } }),(0,n.default)(\\"TSParenthesizedType\\",{ aliases:[\\"TSType\\"],visitor:[\\"typeAnnotation\\"],fields:{ typeAnnotation:(0,n.validateType)(\\"TSType\\") } }),(0,n.default)(\\"TSTypeOperator\\",{ aliases:[\\"TSType\\"],visitor:[\\"typeAnnotation\\"],fields:{ operator:(0,n.validate)((0,n.assertValueType)(\\"string\\")) ,typeAnnotation:(0,n.validateType)(\\"TSType\\") } }),(0,n.default)(\\"TSIndexedAccessType\\",{ aliases:[\\"TSType\\"],visitor:[\\"objectType\\",\\"indexType\\"],fields:{ objectType:(0,n.validateType)(\\"TSType\\") ,indexType:(0,n.validateType)(\\"TSType\\") } }),(0,n.default)(\\"TSMappedType\\",{ aliases:[\\"TSType\\"],visitor:[\\"typeParameter\\",\\"typeAnnotation\\",\\"na

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meType\\",fields:{readonly:(0,n.validateOptional)(a),typeParameter:(0,n.validateType)(\\\"TSTypeParameter\\\"),o
ptional:(0,n.validateOptional)(a),typeAnnotation:(0,n.validateOptionalType)(\\\"TSType\\\"),nameType:(0,n.validate
OptionalType)(\\\"TSType\\\"))},(0,n.default)(\\\"TSLiteralType\\\",{aliases:[\\\"TSType\\\",\\\"TSBaseType\\\"],vi
sitor:[\\\"literal\\\"],fields:{literal:(0,n.validateType)(\\\"NumericLiteral\\\",\\\"StringLiteral\\\",\\\"BooleanLiteral\\\"
,\\\"BigIntLiteral\\\")}}),(0,n.default)(\\\"TSExpressionWithTypeArguments\\\",{aliases:[\\\"TSType\\\"],visitor:[\\\"
expression\\\",\\\"typeParameters\\\"],fields:{expression:(0,n.validateType)(\\\"TSEntityName\\\"),typeParameters:(0
,n.validateOptionalType)(\\\"TSTypeParameterInstantiation\\\")}}),(0,n.default)(\\\"TSInterfaceDeclaration\\\",{alias
es:[\\\"Statement\\\",\\\"Declaration\\\"],visitor:[\\\"id\\\",\\\"typeParameters\\\",\\\"extends\\\",\\\"body\\\"],fields:{dec
lare:(0,n.validateOptional)(a),id:(0,n.validateType)(\\\"Identifier\\\"),typeParameters:(0,n.validateOptionalType)(\\\"
TSTypeParameterDeclaration\\\"),extends:(0,n.validateOptional)((0,n.arrayOfType)(\\\"TSExpressionWithTypeArg
uments\\\")),body:(0,n.validateType)(\\\"TSInterfaceBody\\\")}}),(0,n.default)(\\\"TSInterfaceBody\\\",{visitor:[\\\"b
ody\\\"],fields:{body:(0,n.validateArrayOfType)(\\\"TSTypeElement\\\")}}),(0,n.default)(\\\"TSTypeAliasDeclaratio
n\\\",{aliases:[\\\"Statement\\\",\\\"Declaration\\\"],visitor:[\\\"id\\\",\\\"typeParameters\\\",\\\"typeAnnotation\\\"],fiel
ds:{declare:(0,n.validateOptional)(a),id:(0,n.validateType)(\\\"Identifier\\\"),typeParameters:(0,n.validateOptionalTy
pe)(\\\"TSTypeParameterDeclaration\\\"),typeAnnotation:(0,n.validateType)(\\\"TSType\\\")}}),(0,n.default)(\\\"TS
AsExpression\\\",{aliases:[\\\"Expression\\\"],visitor:[\\\"expression\\\",\\\"typeAnnotation\\\"],fields:{expression:(0,
n.validateType)(\\\"Expression\\\"),typeAnnotation:(0,n.validateType)(\\\"TSType\\\")}}),(0,n.default)(\\\"TSTypeA
ssertion\\\",{aliases:[\\\"Expression\\\"],visitor:[\\\"typeAnnotation\\\",\\\"expression\\\"],fields:{typeAnnotation:(0,n.
validateType)(\\\"TSType\\\"),expression:(0,n.validateType)(\\\"Expression\\\")}}),(0,n.default)(\\\"TSEnumDeclarat
ion\\\",{aliases:[\\\"Statement\\\",\\\"Declaration\\\"],visitor:[\\\"id\\\",\\\"members\\\"],fields:{declare:(0,n.validateOp
tional)(a),const:(0,n.validateOptional)(a),id:(0,n.validateType)(\\\"Identifier\\\"),members:(0,n.validateArrayOfType
)(\\\"TSEnumMember\\\"),initializer:(0,n.validateOptionalType)(\\\"Expression\\\")}}),(0,n.default)(\\\"TSEnumMe
mber\\\",{visitor:[\\\"id\\\",\\\"initializer\\\"],fields:{id:(0,n.validateType)(\\\"Identifier\\\",\\\"StringLiteral\\\"),initia
lizer:(0,n.validateOptionalType)(\\\"Expression\\\")}}),(0,n.default)(\\\"TSMODULEDECLARATION\\\",{aliases:[\\\"State
ment\\\",\\\"Declaration\\\"],visitor:[\\\"id\\\",\\\"body\\\"],fields:{declare:(0,n.validateOptional)(a),global:(0,n.validat
eOptional)(a),id:(0,n.validateType)(\\\"Identifier\\\",\\\"StringLiteral\\\"),body:(0,n.validateType)(\\\"TSMODULEBL
OCK\\\",\\\"TSMODULEDECLARATION\\\")}}),(0,n.default)(\\\"TSMODULEBLOCK\\\",{aliases:[\\\"Scopable\\\",\\\"Block\\\",
\\\"BlockParent\\\"],visitor:[\\\"body\\\"],fields:{body:(0,n.validateArrayOfType)(\\\"Statement\\\")}}),(0,n.default)(\\
\\\"TSIMPORTTYPE\\\",{aliases:[\\\"TSType\\\"],visitor:[\\\"argument\\\",\\\"qualifier\\\",\\\"typeParameters\\\"],fields:{
argument:(0,n.validateType)(\\\"StringLiteral\\\"),qualifier:(0,n.validateOptionalType)(\\\"TSEntityName\\\"),typePa
rameters:(0,n.validateOptionalType)(\\\"TSTypeParameterInstantiation\\\")}}),(0,n.default)(\\\"TSIMPORTEQUALSDECL
ARATION\\\",{aliases:[\\\"Statement\\\"],visitor:[\\\"id\\\",\\\"moduleReference\\\"],fields:{isExport:(0,n.validate)(a),id:(
0,n.validateType)(\\\"Identifier\\\"),moduleReference:(0,n.validateType)(\\\"TSEntityName\\\",\\\"TSExternalModul
eReference\\\")}}),(0,n.default)(\\\"TSExternalModuleReference\\\",{visitor:[\\\"expression\\\"],fields:{expression:(
0,n.validateType)(\\\"StringLiteral\\\")}}),(0,n.default)(\\\"TSNonNullExpression\\\",{aliases:[\\\"Expression\\\"],visi
tor:[\\\"expression\\\"],fields:{expression:(0,n.validateType)(\\\"Expression\\\")}}),(0,n.default)(\\\"TSExportAssign
ment\\\",{aliases:[\\\"Statement\\\"],visitor:[\\\"expression\\\"],fields:{expression:(0,n.validateType)(\\\"Expression\\
\\\")}}),(0,n.default)(\\\"TSNamespaceExportDeclaration\\\",{aliases:[\\\"Statement\\\"],visitor:[\\\"id\\\"],fields:{id:(0,
n.validateType)(\\\"Identifier\\\")}}),(0,n.default)(\\\"TSTypeAnnotation\\\",{visitor:[\\\"typeAnnotation\\\"],fields:{t
ypeAnnotation:{validate:(0,n.assertNodeType)(\\\"TSType\\\")}}),(0,n.default)(\\\"TSTypeParameterInstantiation\\
\\\",{visitor:[\\\"params\\\"],fields:{params:{validate:(0,n.chain)((0,n.assertValueType)(\\\"array\\\"),(0,n.assertEach)((
0,n.assertNodeType)(\\\"TSType\\\"))}}}}),(0,n.default)(\\\"TSTypeParameterDeclaration\\\",{visitor:[\\\"params\\\"]
,fields:{params:{validate:(0,n.chain)((0,n.assertValueType)(\\\"array\\\"),(0,n.assertEach)((0,n.assertNodeType)(\\\"
TSTypeParameter\\\"))}}}}),(0,n.default)(\\\"TSTypeParameter\\\",{builder:[\\\"constraint\\\",\\\"default\\\",\\\"name\\
\\\"],visitor:[\\\"constraint\\\",\\\"default\\\"],fields:{name:{validate:(0,n.assertValueType)(\\\"string\\\")},constraint:{
validate:(0,n.assertNodeType)(\\\"TSType\\\"),optional:!0},default:{validate:(0,n.assertNodeType)(\\\"TSType\\\"),o
ptional:!0}}}}),function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.default=function(e){if(!(0,i.default)(e)){var t;const

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r=null!=(t=null==e?void 0:e.type)?t:JSON.stringify(e);throw new TypeError(`Not a valid node of type
\\\\"$\\{r}\\\\"`)};var n,i=(n=r(84))&&n.__esModule?n:{default:n}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.assertArrayExpression=function(e,t={}){s(\\\\"Array
Expression\\\\"",e,t)},t.assertAssignmentExpression=function(e,t={}){s(\\\\"AssignmentExpression\\\\"",e,t)},t.assertBi
naryExpression=function(e,t={}){s(\\\\"BinaryExpression\\\\"",e,t)},t.assertInterpreterDirective=function(e,t={}){s(\\\\"
InterpreterDirective\\\\"",e,t)},t.assertDirective=function(e,t={}){s(\\\\"Directive\\\\"",e,t)},t.assertDirectiveLiteral=funct
ion(e,t={}){s(\\\\"DirectiveLiteral\\\\"",e,t)},t.assertBlockStatement=function(e,t={}){s(\\\\"BlockStatement\\\\"",e,t)},t.as
sertBreakStatement=function(e,t={}){s(\\\\"BreakStatement\\\\"",e,t)},t.assertCallExpression=function(e,t={}){s(\\\\"Ca
llExpression\\\\"",e,t)},t.assertCatchClause=function(e,t={}){s(\\\\"CatchClause\\\\"",e,t)},t.assertConditionalExpression
=function(e,t={}){s(\\\\"ConditionalExpression\\\\"",e,t)},t.assertContinueStatement=function(e,t={}){s(\\\\"ContinueSt
atement\\\\"",e,t)},t.assertDebuggerStatement=function(e,t={}){s(\\\\"DebuggerStatement\\\\"",e,t)},t.assertDoWhileStat
ement=function(e,t={}){s(\\\\"DoWhileStatement\\\\"",e,t)},t.assertEmptyStatement=function(e,t={}){s(\\\\"EmptyState
ment\\\\"",e,t)},t.assertExpressionStatement=function(e,t={}){s(\\\\"ExpressionStatement\\\\"",e,t)},t.assertFile=function
(e,t={}){s(\\\\"File\\\\"",e,t)},t.assertForInStatement=function(e,t={}){s(\\\\"ForInStatement\\\\"",e,t)},t.assertForStateme
nt=function(e,t={}){s(\\\\"ForStatement\\\\"",e,t)},t.assertFunctionDeclaration=function(e,t={}){s(\\\\"FunctionDeclarat
ion\\\\"",e,t)},t.assertFunctionExpression=function(e,t={}){s(\\\\"FunctionExpression\\\\"",e,t)},t.assertIdentifier=functio
n(e,t={}){s(\\\\"Identifier\\\\"",e,t)},t.assertIfStatement=function(e,t={}){s(\\\\"IfStatement\\\\"",e,t)},t.assertLabeledState
ment=function(e,t={}){s(\\\\"LabeledStatement\\\\"",e,t)},t.assertStringLiteral=function(e,t={}){s(\\\\"StringLiteral\\\\"",e
,t)},t.assertNumericLiteral=function(e,t={}){s(\\\\"NumericLiteral\\\\"",e,t)},t.assertNullLiteral=function(e,t={}){s(\\\\"
NullLiteral\\\\"",e,t)},t.assertBooleanLiteral=function(e,t={}){s(\\\\"BooleanLiteral\\\\"",e,t)},t.assertRegExpLiteral=funct
ion(e,t={}){s(\\\\"RegExpLiteral\\\\"",e,t)},t.assertLogicalExpression=function(e,t={}){s(\\\\"LogicalExpression\\\\"",e,t
)},t.assertMemberExpression=function(e,t={}){s(\\\\"MemberExpression\\\\"",e,t)},t.assertNewExpression=function(e,
t={}){s(\\\\"NewExpression\\\\"",e,t)},t.assertProgram=function(e,t={}){s(\\\\"Program\\\\"",e,t)},t.assertObjectExpressio
n=function(e,t={}){s(\\\\"ObjectExpression\\\\"",e,t)},t.assertObjectMethod=function(e,t={}){s(\\\\"ObjectMethod\\\\"",e,
t)},t.assertObjectProperty=function(e,t={}){s(\\\\"ObjectProperty\\\\"",e,t)},t.assertRestElement=function(e,t={}){s(\\\\"
RestElement\\\\"",e,t)},t.assertReturnStatement=function(e,t={}){s(\\\\"ReturnStatement\\\\"",e,t)},t.assertSequenceExp
ression=function(e,t={}){s(\\\\"SequenceExpression\\\\"",e,t)},t.assertParenthesizedExpression=function(e,t={}){s(\\\\"
ParenthesizedExpression\\\\"",e,t)},t.assertSwitchCase=function(e,t={}){s(\\\\"SwitchCase\\\\"",e,t)},t.assertSwitchState
ment=function(e,t={}){s(\\\\"SwitchStatement\\\\"",e,t)},t.assertThisExpression=function(e,t={}){s(\\\\"ThisExpression
\\\\"",e,t)},t.assertThrowStatement=function(e,t={}){s(\\\\"ThrowStatement\\\\"",e,t)},t.assertTryStatement=function(e,t=
{}){s(\\\\"TryStatement\\\\"",e,t)},t.assertUnaryExpression=function(e,t={}){s(\\\\"UnaryExpression\\\\"",e,t)},t.assertUp
dateExpression=function(e,t={}){s(\\\\"UpdateExpression\\\\"",e,t)},t.assertVariableDeclaration=function(e,t={}){s(\\\\"
VariableDeclaration\\\\"",e,t)},t.assertVariableDeclarator=function(e,t={}){s(\\\\"VariableDeclarator\\\\"",e,t)},t.assert
WhileStatement=function(e,t={}){s(\\\\"WhileStatement\\\\"",e,t)},t.assertWithStatement=function(e,t={}){s(\\\\"WithS
tatement\\\\"",e,t)},t.assertAssignmentPattern=function(e,t={}){s(\\\\"AssignmentPattern\\\\"",e,t)},t.assertArrayPattern=
function(e,t={}){s(\\\\"ArrayPattern\\\\"",e,t)},t.assertArrowFunctionExpression=function(e,t={}){s(\\\\"ArrowFunction
Expression\\\\"",e,t)},t.assertClassBody=function(e,t={}){s(\\\\"ClassBody\\\\"",e,t)},t.assertClassExpression=function(e
,t={}){s(\\\\"ClassExpression\\\\"",e,t)},t.assertClassDeclaration=function(e,t={}){s(\\\\"ClassDeclaration\\\\"",e,t)},t.asse
rtExportAllDeclaration=function(e,t={}){s(\\\\"ExportAllDeclaration\\\\"",e,t)},t.assertExportDefaultDeclaration=funct
ion(e,t={}){s(\\\\"ExportDefaultDeclaration\\\\"",e,t)},t.assertExportNamedDeclaration=function(e,t={}){s(\\\\"Export
NamedDeclaration\\\\"",e,t)},t.assertExportSpecifier=function(e,t={}){s(\\\\"ExportSpecifier\\\\"",e,t)},t.assertForOfStat
ement=function(e,t={}){s(\\\\"ForOfStatement\\\\"",e,t)},t.assertImportDeclaration=function(e,t={}){s(\\\\"ImportDecla
ration\\\\"",e,t)},t.assertImportDefaultSpecifier=function(e,t={}){s(\\\\"ImportDefaultSpecifier\\\\"",e,t)},t.assertImportN
amespaceSpecifier=function(e,t={}){s(\\\\"ImportNamespaceSpecifier\\\\"",e,t)},t.assertImportSpecifier=function(e,t=
{}){s(\\\\"ImportSpecifier\\\\"",e,t)},t.assertMetaProperty=function(e,t={}){s(\\\\"MetaProperty\\\\"",e,t)},t.assertClassMe
thod=function(e,t={}){s(\\\\"ClassMethod\\\\"",e,t)},t.assertObjectPattern=function(e,t={}){s(\\\\"ObjectPattern\\\\"",e,t)
},t.assertSpreadElement=function(e,t={}){s(\\\\"SpreadElement\\\\"",e,t)},t.assertSuper=function(e,t={}){s(\\\\"Super\\\\"
",e,t)},t.assertTaggedTemplateExpression=function(e,t={}){s(\\\\"TaggedTemplateExpression\\\\"",e,t)},t.assertTemplat

```

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eElement=function(e,t={}){s(\\TemplateElement\\",e,t)},t.assertTemplateLiteral=function(e,t={}){s(\\Template
Literal\\",e,t)},t.assertYieldExpression=function(e,t={}){s(\\YieldExpression\\",e,t)},t.assertAwaitExpression=fu
nction(e,t={}){s(\\AwaitExpression\\",e,t)},t.assertImport=function(e,t={}){s(\\Import\\",e,t)},t.assertBigIntLite
ral=function(e,t={}){s(\\BigIntLiteral\\",e,t)},t.assertExportNamespaceSpecifier=function(e,t={}){s(\\ExportNa
mespaceSpecifier\\",e,t)},t.assertOptionalMemberExpression=function(e,t={}){s(\\OptionalMemberExpression\\",
,e,t)},t.assertOptionalCallExpression=function(e,t={}){s(\\OptionalCallExpression\\",e,t)},t.assertAnyTypeAnnot
ation=function(e,t={}){s(\\AnyTypeAnnotation\\",e,t)},t.assertArrayTypeAnnotation=function(e,t={}){s(\\Arra
yTypeAnnotation\\",e,t)},t.assertBooleanTypeAnnotation=function(e,t={}){s(\\BooleanTypeAnnotation\\",e,t)},t.
assertBooleanLiteralTypeAnnotation=function(e,t={}){s(\\BooleanLiteralTypeAnnotation\\",e,t)},t.assertNullLite
ralTypeAnnotation=function(e,t={}){s(\\NullLiteralTypeAnnotation\\",e,t)},t.assertClassImplements=function(e,t
={}){s(\\ClassImplements\\",e,t)},t.assertDeclareClass=function(e,t={}){s(\\DeclareClass\\",e,t)},t.assertDeclar
eFunction=function(e,t={}){s(\\DeclareFunction\\",e,t)},t.assertDeclareInterface=function(e,t={}){s(\\DeclareIn
terface\\",e,t)},t.assertDeclareModule=function(e,t={}){s(\\DeclareModule\\",e,t)},t.assertDeclareModuleExports
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eAlias\\",e,t)},t.assertDeclareOpaqueType=function(e,t={}){s(\\DeclareOpaqueType\\",e,t)},t.assertDeclareVaria
ble=function(e,t={}){s(\\DeclareVariable\\",e,t)},t.assertDeclareExportDeclaration=function(e,t={}){s(\\Declare
ExportDeclaration\\",e,t)},t.assertDeclareExportAllDeclaration=function(e,t={}){s(\\DeclareExportAllDeclaration
\\",e,t)},t.assertDeclaredPredicate=function(e,t={}){s(\\DeclaredPredicate\\",e,t)},t.assertExistsTypeAnnotation=f
unction(e,t={}){s(\\ExistsTypeAnnotation\\",e,t)},t.assertFunctionTypeAnnotation=function(e,t={}){s(\\Funcio
nTypeAnnotation\\",e,t)},t.assertFunctionTypeParam=function(e,t={}){s(\\FunctionTypeParam\\",e,t)},t.assertGe
nericTypeAnnotation=function(e,t={}){s(\\GenericTypeAnnotation\\",e,t)},t.assertInferredPredicate=function(e,t
={}){s(\\InferredPredicate\\",e,t)},t.assertInterfaceExtends=function(e,t={}){s(\\InterfaceExtends\\",e,t)},t.asse
rtInterfaceDeclaration=function(e,t={}){s(\\InterfaceDeclaration\\",e,t)},t.assertInterfaceTypeAnnotation=function
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onTypeAnnotation\\",e,t)},t.assertMixedTypeAnnotation=function(e,t={}){s(\\MixedTypeAnnotation\\",e,t)},t.as
sertEmptyTypeAnnotation=function(e,t={}){s(\\EmptyTypeAnnotation\\",e,t)},t.assertNullableTypeAnnotation=f
unction(e,t={}){s(\\NullableTypeAnnotation\\",e,t)},t.assertNumberLiteralTypeAnnotation=function(e,t={}){s(\\
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ation\\",e,t)},t.assertObjectTypeAnnotation=function(e,t={}){s(\\ObjectTypeAnnotation\\",e,t)},t.assertObjectTy
peInternalSlot=function(e,t={}){s(\\ObjectTypeInternalSlot\\",e,t)},t.assertObjectTypeCallProperty=function(e,t=
){s(\\ObjectTypeCallProperty\\",e,t)},t.assertObjectTypeIndexer=function(e,t={}){s(\\ObjectTypeIndexer\\",
e,t)},t.assertObjectTypeProperty=function(e,t={}){s(\\ObjectTypeProperty\\",e,t)},t.assertObjectTypeSpreadProp
erty=function(e,t={}){s(\\ObjectTypeSpreadProperty\\",e,t)},t.assertOpaqueType=function(e,t={}){s(\\OpaqueT
ype\\",e,t)},t.assertQualifiedTypeIdentifier=function(e,t={}){s(\\QualifiedTypeIdentifier\\",e,t)},t.assertStringLite
ralTypeAnnotation=function(e,t={}){s(\\StringLiteralTypeAnnotation\\",e,t)},t.assertStringTypeAnnotation=funct
ion(e,t={}){s(\\StringTypeAnnotation\\",e,t)},t.assertSymbolTypeAnnotation=function(e,t={}){s(\\SymbolType
Annotation\\",e,t)},t.assertThisTypeAnnotation=function(e,t={}){s(\\ThisTypeAnnotation\\",e,t)},t.assertTupleTy
peAnnotation=function(e,t={}){s(\\TupleTypeAnnotation\\",e,t)},t.assertTypeofTypeAnnotation=function(e,t={})
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tation=function(e,t={}){s(\\TypeAnnotation\\",e,t)},t.assertTypeCastExpression=function(e,t={}){s(\\TypeCast
Expression\\",e,t)},t.assertTypeParameter=function(e,t={}){s(\\TypeParameter\\",e,t)},t.assertTypeParameterDec
laration=function(e,t={}){s(\\TypeParameterDeclaration\\",e,t)},t.assertTypeParameterInstantiation=function(e,t=
){s(\\TypeParameterInstantiation\\",e,t)},t.assertUnionTypeAnnotation=function(e,t={}){s(\\UnionTypeAnnot
ation\\",e,t)},t.assertVariance=function(e,t={}){s(\\Variance\\",e,t)},t.assertVoidTypeAnnotation=function(e,t={
}){s(\\VoidTypeAnnotation\\",e,t)},t.assertEnumDeclaration=function(e,t={}){s(\\EnumDeclaration\\",e,t)},t.asse
rtEnumBooleanBody=function(e,t={}){s(\\EnumBooleanBody\\",e,t)},t.assertEnumNumberBody=function(e,t={
}){s(\\EnumNumberBody\\",e,t)},t.assertEnumStringBody=function(e,t={}){s(\\EnumStringBody\\",e,t)},t.asse
rtEnumSymbolBody=function(e,t={}){s(\\EnumSymbolBody\\",e,t)},t.assertEnumBooleanMember=function(e,t=
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{}){s(\\\\"EnumBooleanMember\\\\" ,e,t)},t.assertEnumNumberMember=function(e,t={}){s(\\\\"EnumNumberMember\\\\" ,e,t)},t.assertEnumStringMember=function(e,t={}){s(\\\\"EnumStringMember\\\\" ,e,t)},t.assertEnumDefaultedMember=function(e,t={}){s(\\\\"EnumDefaultedMember\\\\" ,e,t)},t.assertJSXAttribute=function(e,t={}){s(\\\\"JSXAttribute\\\\" ,e,t)},t.assertJSXClosingElement=function(e,t={}){s(\\\\"JSXClosingElement\\\\" ,e,t)},t.assertJSXElement=function(e,t={}){s(\\\\"JSXElement\\\\" ,e,t)},t.assertJSXEmptyExpression=function(e,t={}){s(\\\\"JSXEmptyExpression\\\\" ,e,t)},t.assertJSXExpressionContainer=function(e,t={}){s(\\\\"JSXExpressionContainer\\\\" ,e,t)},t.assertJSXSpreadChild=function(e,t={}){s(\\\\"JSXSpreadChild\\\\" ,e,t)},t.assertJSXIdentifier=function(e,t={}){s(\\\\"JSXIdentifier\\\\" ,e,t)},t.assertJSXMemberExpression=function(e,t={}){s(\\\\"JSXMemberExpression\\\\" ,e,t)},t.assertJSXNamespacedName=function(e,t={}){s(\\\\"JSXNamespacedName\\\\" ,e,t)},t.assertJSXOpeningElement=function(e,t={}){s(\\\\"JSXOpeningElement\\\\" ,e,t)},t.assertJSXSpreadAttribute=function(e,t={}){s(\\\\"JSXSpreadAttribute\\\\" ,e,t)},t.assertJSXText=function(e,t={}){s(\\\\"JSXText\\\\" ,e,t)},t.assertJSXFragment=function(e,t={}){s(\\\\"JSXFragment\\\\" ,e,t)},t.assertJSXOpeningFragment=function(e,t={}){s(\\\\"JSXOpeningFragment\\\\" ,e,t)},t.assertJSXClosingFragment=function(e,t={}){s(\\\\"JSXClosingFragment\\\\" ,e,t)},t.assertNoop=function(e,t={}){s(\\\\"Noop\\\\" ,e,t)},t.assertPlaceholder=function(e,t={}){s(\\\\"Placeholder\\\\" ,e,t)},t.assertV8IntrinsicIdentifier=function(e,t={}){s(\\\\"V8IntrinsicIdentifier\\\\" ,e,t)},t.assertArgumentPlaceholder=function(e,t={}){s(\\\\"ArgumentPlaceholder\\\\" ,e,t)},t.assertBindExpression=function(e,t={}){s(\\\\"BindExpression\\\\" ,e,t)},t.assertClassProperty=function(e,t={}){s(\\\\"ClassProperty\\\\" ,e,t)},t.assertPipelineTopicExpression=function(e,t={}){s(\\\\"PipelineTopicExpression\\\\" ,e,t)},t.assertPipelineBareFunction=function(e,t={}){s(\\\\"PipelineBareFunction\\\\" ,e,t)},t.assertPipelinePrimaryTopicReference=function(e,t={}){s(\\\\"PipelinePrimaryTopicReference\\\\" ,e,t)},t.assertClassPrivateProperty=function(e,t={}){s(\\\\"ClassPrivateProperty\\\\" ,e,t)},t.assertClassPrivateMethod=function(e,t={}){s(\\\\"ClassPrivateMethod\\\\" ,e,t)},t.assertImportAttribute=function(e,t={}){s(\\\\"ImportAttribute\\\\" ,e,t)},t.assertDecorator=function(e,t={}){s(\\\\"Decorator\\\\" ,e,t)},t.assertDoExpression=function(e,t={}){s(\\\\"DoExpression\\\\" ,e,t)},t.assertExportDefaultSpecifier=function(e,t={}){s(\\\\"ExportDefaultSpecifier\\\\" ,e,t)},t.assertPrivateName=function(e,t={}){s(\\\\"PrivateName\\\\" ,e,t)},t.assertRecordExpression=function(e,t={}){s(\\\\"RecordExpression\\\\" ,e,t)},t.assertTupleExpression=function(e,t={}){s(\\\\"TupleExpression\\\\" ,e,t)},t.assertDecimalLiteral=function(e,t={}){s(\\\\"DecimalLiteral\\\\" ,e,t)},t.assertStaticBlock=function(e,t={}){s(\\\\"StaticBlock\\\\" ,e,t)},t.assertTSPParameterProperty=function(e,t={}){s(\\\\"TSPParameterProperty\\\\" ,e,t)},t.assertTSDDeclareFunction=function(e,t={}){s(\\\\"TSDDeclareFunction\\\\" ,e,t)},t.assertTSDDeclareMethod=function(e,t={}){s(\\\\"TSDDeclareMethod\\\\" ,e,t)},t.assertTSQualifiedName=function(e,t={}){s(\\\\"TSQualifiedName\\\\" ,e,t)},t.assertTSCallSignatureDeclaration=function(e,t={}){s(\\\\"TSCallSignatureDeclaration\\\\" ,e,t)},t.assertTSConstructSignatureDeclaration=function(e,t={}){s(\\\\"TSConstructSignatureDeclaration\\\\" ,e,t)},t.assertTSPropertySignature=function(e,t={}){s(\\\\"TSPropertySignature\\\\" ,e,t)},t.assertTSMethodSignature=function(e,t={}){s(\\\\"TSMethodSignature\\\\" ,e,t)},t.assertTSIndexSignature=function(e,t={}){s(\\\\"TSIndexSignature\\\\" ,e,t)},t.assertTSAnyKeyword=function(e,t={}){s(\\\\"TSAnyKeyword\\\\" ,e,t)},t.assertTSBooleanKeyword=function(e,t={}){s(\\\\"TSBooleanKeyword\\\\" ,e,t)},t.assertTSBigIntKeyword=function(e,t={}){s(\\\\"TSBigIntKeyword\\\\" ,e,t)},t.assertTSIntrinsicKeyword=function(e,t={}){s(\\\\"TSIntrinsicKeyword\\\\" ,e,t)},t.assertTSNeverKeyword=function(e,t={}){s(\\\\"TSNeverKeyword\\\\" ,e,t)},t.assertTSNullKeyword=function(e,t={}){s(\\\\"TSNullKeyword\\\\" ,e,t)},t.assertTSNumberKeyword=function(e,t={}){s(\\\\"TSNumberKeyword\\\\" ,e,t)},t.assertTSObjectKeyword=function(e,t={}){s(\\\\"TSObjectKeyword\\\\" ,e,t)},t.assertTSStringKeyword=function(e,t={}){s(\\\\"TSStringKeyword\\\\" ,e,t)},t.assertTSSymbolKeyword=function(e,t={}){s(\\\\"TSSymbolKeyword\\\\" ,e,t)},t.assertTSUndefinedKeyword=function(e,t={}){s(\\\\"TSUndefinedKeyword\\\\" ,e,t)},t.assertTSUnknownKeyword=function(e,t={}){s(\\\\"TSUnknownKeyword\\\\" ,e,t)},t.assertTSVoidKeyword=function(e,t={}){s(\\\\"TSVoidKeyword\\\\" ,e,t)},t.assertTSThisType=function(e,t={}){s(\\\\"TSThisType\\\\" ,e,t)},t.assertTSFunctionType=function(e,t={}){s(\\\\"TSFunctionType\\\\" ,e,t)},t.assertTSConstructorType=function(e,t={}){s(\\\\"TSConstructorType\\\\" ,e,t)},t.assertTSTypeReference=function(e,t={}){s(\\\\"TSTypeReference\\\\" ,e,t)},t.assertTSTypePredicate=function(e,t={}){s(\\\\"TSTypePredicate\\\\" ,e,t)},t.assertTSTypeQuery=function(e,t={}){s(\\\\"TSTypeQuery\\\\" ,e,t)},t.assertTSTypeLiteral=function(e,t={}){s(\\\\"TSTypeLiteral\\\\" ,e,t)},t.assertTSArrayType=function(e,t={}){s(\\\\"TSArrayType\\\\" ,e,t)},t.assertTSTupleType=function(e,t={}){s(\\\\"TSTupleType\\\\" ,e,t)},t.assertTSOptionalType=function(e,t={}){s(\\\\"TSOptionalType\\\\" ,e,t)},t.assertTSRestType=function(e,t={}){s(\\\\"TSRestType\\\\" ,e,t)},t.assertTSNamedTupleMember=function(e,t={}){s(\\\\"TSNamedTupleMember\\\\" ,e,t)},t.assertTSUnion


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Type=function(e,t={}){s(\\\\"TSUnionType\\\\\\",e,t),t.assertTSIntersectionType=function(e,t={}){s(\\\\"TSIntersectionType\\\\\\",e,t),t.assertTSConditionalType=function(e,t={}){s(\\\\"TSConditionalType\\\\\\",e,t),t.assertTSInferType=function(e,t={}){s(\\\\"TSInferType\\\\\\",e,t),t.assertTSParenthesizedType=function(e,t={}){s(\\\\"TSParenthesizedType\\\\\\",e,t),t.assertTSTypeOperator=function(e,t={}){s(\\\\"TSTypeOperator\\\\\\",e,t),t.assertTSIndexedAccessType=function(e,t={}){s(\\\\"TSIndexedAccessType\\\\\\",e,t),t.assertTSMappedType=function(e,t={}){s(\\\\"TSMappedType\\\\\\",e,t),t.assertTSLiteralType=function(e,t={}){s(\\\\"TSLiteralType\\\\\\",e,t),t.assertTSExpressionWithTypeArguments=function(e,t={}){s(\\\\"TSExpressionWithTypeArguments\\\\\\",e,t),t.assertTSInterfaceDeclaration=function(e,t={}){s(\\\\"TSInterfaceDeclaration\\\\\\",e,t),t.assertTSInterfaceBody=function(e,t={}){s(\\\\"TSInterfaceBody\\\\\\",e,t),t.assertTSTypeAliasDeclaration=function(e,t={}){s(\\\\"TSTypeAliasDeclaration\\\\\\",e,t),t.assertTSAsExpression=function(e,t={}){s(\\\\"TSAsExpression\\\\\\",e,t),t.assertTSTypeAssertion=function(e,t={}){s(\\\\"TSTypeAssertion\\\\\\",e,t),t.assertTSEnumDeclaration=function(e,t={}){s(\\\\"TSEnumDeclaration\\\\\\",e,t),t.assertTSEnumMember=function(e,t={}){s(\\\\"TSEnumMember\\\\\\",e,t),t.assertTSModuleDeclaration=function(e,t={}){s(\\\\"TSModuleDeclaration\\\\\\",e,t),t.assertTSModuleBlock=function(e,t={}){s(\\\\"TSModuleBlock\\\\\\",e,t),t.assertTSImportType=function(e,t={}){s(\\\\"TSImportType\\\\\\",e,t),t.assertTSImportEqualsDeclaration=function(e,t={}){s(\\\\"TSImportEqualsDeclaration\\\\\\",e,t),t.assertTSExternalModuleReference=function(e,t={}){s(\\\\"TSExternalModuleReference\\\\\\",e,t),t.assertTSNonNullExpression=function(e,t={}){s(\\\\"TSNonNullExpression\\\\\\",e,t),t.assertTSExportAssignment=function(e,t={}){s(\\\\"TSExportAssignment\\\\\\",e,t),t.assertTSNamespaceExportDeclaration=function(e,t={}){s(\\\\"TSNamespaceExportDeclaration\\\\\\",e,t),t.assertTSTypeAnnotation=function(e,t={}){s(\\\\"TSTypeAnnotation\\\\\\",e,t),t.assertTSTypeParameterInstantiation=function(e,t={}){s(\\\\"TSTypeParameterInstantiation\\\\\\",e,t),t.assertTSTypeParameterDeclaration=function(e,t={}){s(\\\\"TSTypeParameterDeclaration\\\\\\",e,t),t.assertTSTypeParameter=function(e,t={}){s(\\\\"TSTypeParameter\\\\\\",e,t),t.assertExpression=function(e,t={}){s(\\\\"Expression\\\\\\",e,t),t.assertBinary=function(e,t={}){s(\\\\"Binary\\\\\\",e,t),t.assertScopable=function(e,t={}){s(\\\\"Scopable\\\\\\",e,t),t.assertBlockParent=function(e,t={}){s(\\\\"BlockParent\\\\\\",e,t),t.assertBlock=function(e,t={}){s(\\\\"Block\\\\\\",e,t),t.assertStatement=function(e,t={}){s(\\\\"Statement\\\\\\",e,t),t.assertTerminatorless=function(e,t={}){s(\\\\"Terminatorless\\\\\\",e,t),t.assertCompletionStatement=function(e,t={}){s(\\\\"CompletionStatement\\\\\\",e,t),t.assertConditional=function(e,t={}){s(\\\\"Conditional\\\\\\",e,t),t.assertLoop=function(e,t={}){s(\\\\"Loop\\\\\\",e,t),t.assertWhile=function(e,t={}){s(\\\\"While\\\\\\",e,t),t.assertExpressionWrapper=function(e,t={}){s(\\\\"ExpressionWrapper\\\\\\",e,t),t.assertFor=function(e,t={}){s(\\\\"For\\\\\\",e,t),t.assertForXStatement=function(e,t={}){s(\\\\"ForXStatement\\\\\\",e,t),t.assertFunction=function(e,t={}){s(\\\\"Function\\\\\\",e,t),t.assertFunctionParent=function(e,t={}){s(\\\\"FunctionParent\\\\\\",e,t),t.assertPureish=function(e,t={}){s(\\\\"Pureish\\\\\\",e,t),t.assertDeclaration=function(e,t={}){s(\\\\"Declaration\\\\\\",e,t),t.assertPatternLike=function(e,t={}){s(\\\\"PatternLike\\\\\\",e,t),t.assertLVal=function(e,t={}){s(\\\\"LVal\\\\\\",e,t),t.assertTSEntityName=function(e,t={}){s(\\\\"TSEntityName\\\\\\",e,t),t.assertLiteral=function(e,t={}){s(\\\\"Literal\\\\\\",e,t),t.assertImmutable=function(e,t={}){s(\\\\"Immutable\\\\\\",e,t),t.assertUserWhitespacable=function(e,t={}){s(\\\\"UserWhitespacable\\\\\\",e,t),t.assertMethod=function(e,t={}){s(\\\\"Method\\\\\\",e,t),t.assertObjectMember=function(e,t={}){s(\\\\"ObjectMember\\\\\\",e,t),t.assertProperty=function(e,t={}){s(\\\\"Property\\\\\\",e,t),t.assertUnaryLike=function(e,t={}){s(\\\\"UnaryLike\\\\\\",e,t),t.assertPattern=function(e,t={}){s(\\\\"Pattern\\\\\\",e,t),t.assertClass=function(e,t={}){s(\\\\"Class\\\\\\",e,t),t.assertModuleDeclaration=function(e,t={}){s(\\\\"ModuleDeclaration\\\\\\",e,t),t.assertExportDeclaration=function(e,t={}){s(\\\\"ExportDeclaration\\\\\\",e,t),t.assertModuleSpecifier=function(e,t={}){s(\\\\"ModuleSpecifier\\\\\\",e,t),t.assertFlow=function(e,t={}){s(\\\\"Flow\\\\\\",e,t),t.assertFlowType=function(e,t={}){s(\\\\"FlowType\\\\\\",e,t),t.assertFlowBaseAnnotation=function(e,t={}){s(\\\\"FlowBaseAnnotation\\\\\\",e,t),t.assertFlowDeclaration=function(e,t={}){s(\\\\"FlowDeclaration\\\\\\",e,t),t.assertFlowPredicate=function(e,t={}){s(\\\\"FlowPredicate\\\\\\",e,t),t.assertEnumBody=function(e,t={}){s(\\\\"EnumBody\\\\\\",e,t),t.assertEnumMember=function(e,t={}){s(\\\\"EnumMember\\\\\\",e,t),t.assertJSX=function(e,t={}){s(\\\\"JSX\\\\\\",e,t),t.assertPrivate=function(e,t={}){s(\\\\"Private\\\\\\",e,t),t.assertTSTypeElement=function(e,t={}){s(\\\\"TSTypeElement\\\\\\",e,t),t.assertTSType=function(e,t={}){s(\\\\"TSType\\\\\\",e,t),t.assertTSBaseType=function(e,t={}){s(\\\\"TSBaseType\\\\\\",e,t),t.assertNumberLiteral=function(e,t){console.trace(\\\\"The node type NumberLiteral has been renamed to NumericLiteral\\\\\\"),s(\\\\"NumberLiteral\\\\\\",e,t),t.assertRegexLiteral=function(e,t){console.trace(\\\\"The node type RegexLiteral has been renamed to

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RegExpLiteral\\",s(\\\"RegexLiteral\\\",e,t),t.assertRestProperty=function(e,t){console.trace(\\\"The node type
RestProperty has been renamed to
RestElement\\\"),s(\\\"RestProperty\\\",e,t),t.assertSpreadProperty=function(e,t){console.trace(\\\"The node type
SpreadProperty has been renamed to SpreadElement\\\"),s(\\\"SpreadProperty\\\",e,t)};var
n,i=(n=r(34))&&n.__esModule?:{default:n};function s(e,t,r){if(!0,i.default)(e,t,r)throw new Error(`Expected type
\\\"${e}\\\" with option ${JSON.stringify(r)}, but instead got \\\"${t.type}\\\".`)},function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.default=function(e){if(\\\"string\\\"===e)return(0,n
.stringTypeAnnotation());if(\\\"number\\\"===e)return(0,n.numberTypeAnnotation());if(\\\"undefined\\\"===e)return
(0,n.voidTypeAnnotation());if(\\\"boolean\\\"===e)return(0,n.booleanTypeAnnotation());if(\\\"function\\\"===e)retu
rn(0,n.genericTypeAnnotation)((0,n.identifier)(\\\"Function\\\"));if(\\\"object\\\"===e)return(0,n.genericTypeAnnotat
ion)((0,n.identifier)(\\\"Object\\\"));if(\\\"symbol\\\"===e)return(0,n.genericTypeAnnotation)((0,n.identifier)(\\\"Sym
bol\\\"));throw new Error(\\\"Invalid typeof value\\\")};var n=r(4),function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.default=function(e){const t=(0,s.default)(e);return
1===t.length?t[0):(0,i.unionTypeAnnotation)(t)};var
n,i=r(4),s=(n=r(85))&&n.__esModule?:{default:n}},function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.default=function(e){const
t=e.map(e=>e.typeAnnotations),r=(0,s.default)(t);return 1===r.length?r[0):(0,i.tsUnionType)(r)};var
n,i=r(4),s=(n=r(221))&&n.__esModule?:{default:n}},function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.default=function(e){const
t={},r={},i=[],s=[];for(let t=0;t<e.length;t++){const
a=e[t];if(a&&!(s.indexOf(a)>=0)){if((0,n.isTSAnyKeyword)(a.type))return[a];(0,n.isTSBaseType)(a)?r[a.type]=a:(0
,n.isTSUnionType)(a)?i.indexOf(a.types)<0&&(e=e.concat(a.types),i.push(a.types)):s.push(a)}for(const e of
Object.keys(r))s.push(r[e]);for(const e of Object.keys(t))s.push(t[e]);return s};var n=r(2),function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.default=function(e){return(0,i.default)(e,!1)};var
n,i=(n=r(14))&&n.__esModule?:{default:n}},function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.default=function(e){return(0,i.default)(e)};var
n,i=(n=r(14))&&n.__esModule?:{default:n}},function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.default=function(e){return(0,i.default)(e,!0,!0)};va
r n,i=(n=r(14))&&n.__esModule?:{default:n}},function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.default=function(e){return(0,i.default)(e,!1,!0)};va
r n,i=(n=r(14))&&n.__esModule?:{default:n}},function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.default=function(e,t,r,n){return(0,i.default)(e,t,[[ty
pe:n?\\\"CommentLine\\\":\\\"CommentBlock\\\",value:r]]);var
n,i=(n=r(86))&&n.__esModule?:{default:n}},function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.default=function(e){return
n.COMMENT_KEYS.forEach(t=>{e[t]=null}),e};var n=r(13),function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.TSBASETYPE_TYPES=t.TSTYPE_TYPES=t.TS
TYPEELEMENT_TYPES=t.PRIVATE_TYPES=t.JSX_TYPES=t.ENUMMEMBER_TYPES=t.ENUMBODY_TY
PES=t.FLOWPREDICATE_TYPES=t.FLOWDECLARATION_TYPES=t.FLOWBASEANNOTATION_TYPES=t
.FLOWTYPE_TYPES=t.FLOW_TYPES=t.MODULESPECIFIER_TYPES=t.EXPORTDECLARATION_TYPES=
t.MODULEDECLARATION_TYPES=t.CLASS_TYPES=t.PATTERN_TYPES=t.UNARYLIKE_TYPES=t.PROP
ERTY_TYPES=t.OBJECTMEMBER_TYPES=t.METHOD_TYPES=t.USERWHITESPACABLE_TYPES=t.IMM
UTABLE_TYPES=t.LITERAL_TYPES=t.TSENTITYNAME_TYPES=t.LVAL_TYPES=t.PATTERNLIKE_TY
PES=t.DECLARATION_TYPES=t.PUREISH_TYPES=t.FUNCTIONPARENT_TYPES=t.FUNCTION_TYPES=t.F
ORXSTATEMENT_TYPES=t.FOR_TYPES=t.EXPRESSIONWRAPPER_TYPES=t.WHILE_TYPES=t.LOOP_T
YPES=t.CONDITIONAL_TYPES=t.COMPLETIONSTATEMENT_TYPES=t.TERMINATORLESS_TYPES=t.S
TATEMENT_TYPES=t.BLOCK_TYPES=t.BLOCKPARENT_TYPES=t.SCOPABLE_TYPES=t.BINARY_TY
PE=t.EXPRESSION_TYPES=void 0;var n=r(5);const

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i=n.FLIPPED_ALIAS_KEYS.Expression;t.EXPRESSION_TYPES=i;const
s=n.FLIPPED_ALIAS_KEYS.Binary;t.BINARY_TYPES=s;const
a=n.FLIPPED_ALIAS_KEYS.Scopable;t.SCOPABLE_TYPES=a;const
o=n.FLIPPED_ALIAS_KEYS.BlockParent;t.BLOCKPARENT_TYPES=o;const
l=n.FLIPPED_ALIAS_KEYS.Block;t.BLOCK_TYPES=l;const
c=n.FLIPPED_ALIAS_KEYS.Statement;t.STATEMENT_TYPES=c;const
p=n.FLIPPED_ALIAS_KEYS.Terminatorless;t.TERMINATORLESS_TYPES=p;const
u=n.FLIPPED_ALIAS_KEYS.CompletionStatement;t.COMPLETIONSTATEMENT_TYPES=u;const
d=n.FLIPPED_ALIAS_KEYS.Conditional;t.CONDITIONAL_TYPES=d;const
h=n.FLIPPED_ALIAS_KEYS.Loop;t.LOOP_TYPES=h;const
f=n.FLIPPED_ALIAS_KEYS.While;t.WHILE_TYPES=f;const
m=n.FLIPPED_ALIAS_KEYS.ExpressionWrapper;t.EXPRESSIONWRAPPER_TYPES=m;const
y=n.FLIPPED_ALIAS_KEYS.For;t.FOR_TYPES=y;const
T=n.FLIPPED_ALIAS_KEYS.ForXStatement;t.FORXSTATEMENT_TYPES=T;const
b=n.FLIPPED_ALIAS_KEYS.Function;t.FUNCTION_TYPES=b;const
g=n.FLIPPED_ALIAS_KEYS.FunctionParent;t.FUNCTIONPARENT_TYPES=g;const
S=n.FLIPPED_ALIAS_KEYS.Pureish;t.PUREISH_TYPES=S;const
x=n.FLIPPED_ALIAS_KEYS.Declaration;t.DECLARATION_TYPES=x;const
E=n.FLIPPED_ALIAS_KEYS.PatternLike;t.PATTERNLIKE_TYPES=E;const
P=n.FLIPPED_ALIAS_KEYS.LVal;t.LVAL_TYPES=P;const
v=n.FLIPPED_ALIAS_KEYS.TEntityName;t.TENTITYNAME_TYPES=v;const
A=n.FLIPPED_ALIAS_KEYS.Literal;t.LITERAL_TYPES=A;const
w=n.FLIPPED_ALIAS_KEYS.Immutable;t.IMMUTABLE_TYPES=w;const
O=n.FLIPPED_ALIAS_KEYS.UserWhitespacable;t.USERWHITESPACABLE_TYPES=O;const
I=n.FLIPPED_ALIAS_KEYS.Method;t.METHOD_TYPES=I;const
C=n.FLIPPED_ALIAS_KEYS.ObjectMember;t.OBJECTMEMBER_TYPES=C;const
N=n.FLIPPED_ALIAS_KEYS.Property;t.PROPERTY_TYPES=N;const
k=n.FLIPPED_ALIAS_KEYS.UnaryLike;t.UNARYLIKE_TYPES=k;const
D=n.FLIPPED_ALIAS_KEYS.Pattern;t.PATTERN_TYPES=D;const
_=n.FLIPPED_ALIAS_KEYS.Class;t.CLASS_TYPES=_;const
L=n.FLIPPED_ALIAS_KEYS.ModuleDeclaration;t.MODULEDECLARATION_TYPES=L;const
M=n.FLIPPED_ALIAS_KEYS.ExportDeclaration;t.EXPORTDECLARATION_TYPES=M;const
j=n.FLIPPED_ALIAS_KEYS.ModuleSpecifier;t.MODULESPECIFIER_TYPES=j;const
F=n.FLIPPED_ALIAS_KEYS.Flow;t.FLOW_TYPES=F;const
R=n.FLIPPED_ALIAS_KEYS.FlowType;t.FLOWTYPE_TYPES=R;const
B=n.FLIPPED_ALIAS_KEYS.FlowBaseAnnotation;t.FLOWBASEANNOTATION_TYPES=B;const
U=n.FLIPPED_ALIAS_KEYS.FlowDeclaration;t.FLOWDECLARATION_TYPES=U;const
V=n.FLIPPED_ALIAS_KEYS.FlowPredicate;t.FLOWPREDICATE_TYPES=V;const
K=n.FLIPPED_ALIAS_KEYS.EnumBody;t.ENUMBODY_TYPES=K;const
q=n.FLIPPED_ALIAS_KEYS.EnumMember;t.ENUMMEMBER_TYPES=q;const
Y=n.FLIPPED_ALIAS_KEYS.JSX;t.JSX_TYPES=Y;const
W=n.FLIPPED_ALIAS_KEYS.Private;t.PRIVATE_TYPES=W;const
X=n.FLIPPED_ALIAS_KEYS.TSTypeElement;t.TSTYPEELEMENT_TYPES=X;const
J=n.FLIPPED_ALIAS_KEYS.TSType;t.TSTYPE_TYPES=J;const
H=n.FLIPPED_ALIAS_KEYS.TSBaseType;t.TSBASETYPE_TYPES=H},function(e,t,r){use
strict}};Object.defineProperty(t, "__esModule", { value: !0}),t.default=function(e,t){return
e[t]=(0,i.default)(e[t],e);var n,i=(n=r(91))&&n.__esModule?:{default:n}},function(e,t,r){use
strict}};Object.defineProperty(t, "__esModule", { value: !0}),t.default=function(e){eval"!==(e=(0,i.default)(

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e))&&\\\\"arguments\\\\"!==(e=\\\\"_\\\\"+e);return e};var
n,i=(n=r(92))&&n.__esModule?:{default:n}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e,t=e.key|e.property){!e.compute
d&&(0,n.isIdentifier)(t)&&(t=(0,i.stringLiteral)(t.name));return t};var n=r(2),i=r(4),function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e){(0,n.isExpressionStatement)(e
)&&(e=e.expression);if((0,n.isExpression)(e))return
e;(0,n.isClass)(e)?e.type=\\\\"ClassExpression\\\\":(0,n.isFunction)(e)&&(e.type=\\\\"FunctionExpression\\\\"");if(!(0,n.i
sExpression)(e))throw new Error(`cannot turn ${e.type} to an expression`);return e};var
n=r(2),function(e,t,r){\\\\"use strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=o;var
n=r(2),i=a(r(14)),s=a(r(93));function a(e){return e&&e.__esModule?:{default:e}}function o(e,t=e.key){let
r;return\\\\"method\\\\"===e.kind?o.increment()+\\\\"\\\\":(r=(0,n.isIdentifier)(t)?t.name:(0,n.isStringLiteral)(t)?JSON.st
ringify(t.value):JSON.stringify((0,s.default)((0,i.default)(t))),e.computed&&(r=`[${r}]`),e.static&&(r=\\\\"static:\\\\"+
r),r)}o.uid=0,o.increment=function(){return
o.uid>=Number.MAX_SAFE_INTEGER?o.uid=0:o.uid++}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e,t){if(!null===e?void
0:e.length))return;const r=[],n=(0,i.default)(e,t,r);if(!n)return;for(const e of r)t.push(e);return n};var
n,i=(n=r(235))&&n.__esModule?:{default:n}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function e(t,r,o){const l=[];let
c=!0;for(const p of t)if((0,i.isEmptyStatement)(p)||c=!1),(0,i.isExpression)(p))l.push(p);else
if((0,i.isExpressionStatement)(p))l.push(p.expression);else
if((0,i.isVariableDeclaration)(p)){if(\\\\"var\\\\"!==p.kind)return;for(const e of p.declarations){const
t=(0,n.default)(e);for(const e of
Object.keys(t))o.push({kind:p.kind,id:(0,a.default)(t[e]));e.init&&l.push((0,s.assignmentExpression)(\\\\"=\\\\"),e.id,e
.init))c=!0}else if((0,i.isIfStatement)(p)){const
t=p.consequent?e([p.consequent],r,o):r.buildUndefinedNode(),n=p.alternate?e([p.alternate],r,o):r.buildUndefinedNo
de();if(!t||!n)return;l.push((0,s.conditionalExpression)(p.test,t,n))}else if((0,i.isBlockStatement)(p)){const
t=e(p.body,r,o);if(!t)return;l.push(t)}else{if(!(0,i.isEmptyStatement)(p))return;0===t.indexOf(p)&&(c=!0)}c&&l.pu
sh(r.buildUndefinedNode());return 1===l.length?![0):(0,s.sequenceExpression)(l)};var
n=o(r(35)),i=r(2),s=r(4),a=o(r(14));function o(e){return e&&e.__esModule?:{default:e}}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e,t){if((0,n.isStatement)(e))return
e;let r,s=!1;if((0,n.isClass)(e))s=!0,r=\\\\"ClassDeclaration\\\\";else
if((0,n.isFunction)(e))s=!0,r=\\\\"FunctionDeclaration\\\\";else
if((0,n.isAssignmentExpression)(e))return(0,i.expressionStatement)(e);s&&!e.id&&(r=!1);if(!r){if(t)return!1;throw
new Error(`cannot turn ${e.type} to a statement`)}return e.type=r,e};var n=r(2),i=r(4),function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function e(t){if(void
0===t)return(0,a.identifier)(\\\\"undefined\\\\"");if(!0===t||1===t)return(0,a.booleanLiteral)(t);if(null===t)return(0,a.n
ullLiteral)();if(\\\\"string\\\\"===typeof t)return(0,a.stringLiteral)(t);if(\\\\"number\\\\"===typeof t){let
e;if(Number.isFinite(t))e=(0,a.numericLiteral)(Math.abs(t));else{let
r;r=Number.isNaN(t)?(0,a.numericLiteral)(0):(0,a.numericLiteral)(1),e=(0,a.binaryExpression)(\\\\"^\\\\"),r,(0,a.numeri
cLiteral)(0)}return(t<0||Object.is(t,-0))&&(e=(0,a.unaryExpression)(\\\\"-\\\\"),e),e}if((0,i.default)(t)){const
e=t.source,r=t.toString().match(/\\\\"([a-
z]+)\\\\"$/)[1];return(0,a.regExpLiteral)(e,r)}if(Array.isArray(t))return(0,a.arrayExpression)(t.map(e));if((0,n.default)(t
)){const r=[];for(const n of Object.keys(t)){let
i;i=(0,s.default)(n)?(0,a.identifier)(n):(0,a.stringLiteral)(n),r.push((0,a.objectProperty)(i,e(t[n])))}return(0,a.objectEx
pression)(r)}throw new Error(\\\\"don't know how to turn this value into a node\\\\"");var
n=o(r(238)),i=o(r(239)),s=o(r(23)),a=r(4);function o(e){return
e&&e.__esModule?:{default:e}}},function(e,t,r){var
n=r(18),i=r(47),s=r(12),a=Function.prototype,o=Object.prototype,l=a.toString,c=o.hasOwnProperty,p=l.call(Object)

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;e.exports=function(e){if(!s(e)||"[object Object]"!==n(e))return!1;var t=i(e);if(null===t)return!0;var
r=c.call(t,["constructor"])&&t.constructor;return["function"]===typeof r&&r instanceof
r&&l.call(r)==p}},function(e,t,r){var
n=r(240),i=r(32),s=r(33),a=s&&s.isRegExp,o=a?i(a):n;e.exports=o},function(e,t,r){var
n=r(18),i=r(12);e.exports=function(e){return i(e)&&["object RegExp"]===n(e)},function(e,t,r){["use
strict"];Object.defineProperty(t,["__esModule"],{value:!0}),t.default=function(e,t,r=!1){return
e.object=(0,n.memberExpression)(e.object,e.property,e.computed),e.property=t,e.computed=!r,e};var
n=r(4)},function(e,t,r){["use
strict"];Object.defineProperty(t,["__esModule"],{value:!0}),t.default=function(e,t){if(!e||!t)return e;for(const r of
i.INHERIT_KEYS.optional)null===e[r]&&(e[r]=t[r]);for(const r of
Object.keys(t))["__"]===r[0]&&["__clone"]!==r&&(e[r]=t[r]);for(const r of
i.INHERIT_KEYS.force)e[r]=t[r];return(0,s.default)(e,t),e};var
n,i=r(13),s=(n=r(89))&&n.__esModule?n:{default:n}},function(e,t,r){["use
strict"];Object.defineProperty(t,["__esModule"],{value:!0}),t.default=function(e,t){return
e.object=(0,n.memberExpression)(t,e.object),e};var n=r(4)},function(e,t,r){["use
strict"];Object.defineProperty(t,["__esModule"],{value:!0}),t.default=function(e,t){return(0,i.default)(e,t,!0)};var
r,n,i=(n=r(35))&&n.__esModule?n:{default:n}},function(e,t,r){["use
strict"];Object.defineProperty(t,["__esModule"],{value:!0}),t.default=function(e,t,r){["function"]===typeof
t&&(t={enter:t});const{enter:i,exit:s}=t;!function e(t,r,i,s,a){const
o=n.VISITOR_KEYS[t.type];if(!o)return;r&&r(t,a,s);for(const n of o){const o=t[n];if(Array.isArray(o))for(let
l=0;l<o.length;l++){const c=o[l];c&&(a.push({node:t,key:n,index:l}),e(c,r,i,s,a),a.pop())}else
o&&(a.push({node:t,key:n}),e(o,r,i,s,a),a.pop())}i&&i(t,a,s)}(e,i,s,r,[]);var n=r(5)},function(e,t,r){["use
strict"];Object.defineProperty(t,["__esModule"],{value:!0}),t.default=function(e,t,r){if(r&&["Identifier"]===
e.type&&["ObjectProperty"]===t.type&&["ObjectExpression"]===r.type)return!1;const
n=i.default.keys[t.type];if(n)for(let r=0;r<n.length;r++){const
i=n[r],s=t[i];if(Array.isArray(s)){if(s.indexOf(e)>=0)return!0}else if(s===e)return!0}return!1};var
n,i=(n=r(35))&&n.__esModule?n:{default:n}},function(e,t,r){["use
strict"];Object.defineProperty(t,["__esModule"],{value:!0}),t.default=function(e){return(0,i.isFunctionDeclarati
on)(e)|(0,i.isClassDeclaration)(e)|(0,s.default)(e)};var
n,i=r(2),s=(n=r(96))&&n.__esModule?n:{default:n}},function(e,t,r){["use
strict"];Object.defineProperty(t,["__esModule"],{value:!0}),t.default=function(e){if((0,i.default)(e.type,["Imm
utable"]))return!0;if((0,s.isIdentifier)(e))return["undefined"]===e.name;return!1};var
n,i=(n=r(51))&&n.__esModule?n:{default:n},s=r(2)},function(e,t,r){["use
strict"];Object.defineProperty(t,["__esModule"],{value:!0}),t.default=function e(t,r){if(["object"]!==typeof
t||["object"]!==typeof r||null===t||null===r)return t===r;if(t.type!==r.type)return!1;const
i=Object.keys(n.NODE_FIELDS[t.type]|t.type),s=n.VISITOR_KEYS[t.type];for(const n of i){if(typeof
t[n]!==typeof
r[n])return!1;if(null!==t[n]||null!==r[n]){if(null===t[n]||null===r[n])return!1;if(Array.isArray(t[n])){if(!Array.isArray(r[n
]))return!1;if(t[n].length!==r[n].length)return!1;for(let i=0;i<t[n].length;i++){if(!e(t[n][i],r[n][i]))return!1}
}else if(["object"]!==typeof t[n]||null===s?void 0:s.includes(n)){if(!e(t[n],r[n]))return!1}else for(const e of
Object.keys(t[n]))if(t[n][e]!==r[n][e])return!1}}return!0};var n=r(5)},function(e,t,r){["use
strict"];Object.defineProperty(t,["__esModule"],{value:!0}),t.default=function(e,t,r){switch(t.type){case["Mem
berExpression"]:case["JSXMemberExpression"]:case["OptionalMemberExpression"]:return
t.property===e?!t.computed:t.object===e;case["VariableDeclarator"]:return
t.init===e;case["ArrowFunctionExpression"]:return
t.body===e;case["ExportSpecifier"]:return!t.source&&t.local===e;case["PrivateName"]:return!1;case["Class
Method"]:case["ClassPrivateMethod"]:case["ObjectMethod"]:if(t.params.includes(e))return!1;case["ObjectP
roperty"]:case["ClassProperty"]:case["ClassPrivateProperty"]:return

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t.key===e?!t.computed:t.value!==e||(!r||"ObjectPattern"!==r.type);case||"ClassDeclaration":case||"ClassExp
ression":return t.superClass===e;case||"AssignmentExpression":case||"AssignmentPattern":return
t.right===e;case||"LabeledStatement":case||"CatchClause":case||"RestElement":return!1;case||"BreakState
ment":case||"ContinueStatement":return!1;case||"FunctionDeclaration":case||"FunctionExpression":return
!1;case||"ExportNamespaceSpecifier":case||"ExportDefaultSpecifier":return!1;case||"ImportDefaultSpecifier\
":case||"ImportNamespaceSpecifier":case||"ImportSpecifier":case||"JSXAttribute":return!1;case||"ObjectP
attern":case||"ArrayPattern":case||"MetaProperty":return!1;case||"ObjectTypeProperty":return
t.key!==e;case||"TSEnumMember":return t.id!==e;case||"TSPropertySignature":return
t.key!==e||!t.computed}return!0}},function(e,t,r){||"use
strict";Object.defineProperty(t,||"__esModule",{value:!0}),t.default=function(e,t){if((0,n.isBlockStatement)(e)
&&((0,n.isFunction)(t)||!(0,n.isCatchClause)(t)))return!1;if((0,n.isPattern)(e)&&((0,n.isFunction)(t)||!(0,n.isCatchClau
se)(t)))return!0;return(0,n.isScopable)(e)};var n=r(2),function(e,t,r){||"use
strict";Object.defineProperty(t,||"__esModule",{value:!0}),t.default=function(e){return(0,n.isImportDefaultSpe
cifier)(e)||!(0,n.isIdentifier)(e.imported||e.exported,{name:||"default"})};var n=r(2),function(e,t,r){||"use
strict";Object.defineProperty(t,||"__esModule",{value:!0}),t.default=function(e){return(0,i.default)(e)&&!s.has
(e)};var n,i=(n=r(23))&&n.__esModule?n:{default:n};const s=new
Set([||"abstract",||"boolean",||"byte",||"char",||"double",||"enum",||"final",||"float",||"goto",
||"implements",||"int",||"interface",||"long",||"native",||"package",||"private",||"protected",||"
public",||"short",||"static",||"synchronized",||"throws",||"transient",||"volatile"]);function(e,t,r){||"use
strict";Object.defineProperty(t,||"__esModule",{value:!0}),t.default=function(e){return(0,n.isVariableDeclarati
on)(e,{kind:||"var"})&&!e[i.BLOCK_SCOPED_SYMBOL]};var
n=r(2),i=r(13)},function(e,t,r){||"undefined"===typeof
process||"renderer"===process.type!0===process.browser||process.__nwjs?e.exports=r(256):e.exports=r(258)},
function(e,t,r){t.log=function(...e){return||"object"===typeof
console&&console.log&&console.log(...e)},t.formatArgs=function(t){if(t[0]=(this.useColors?||"%c||":||"||")+this
.namespace+(this.useColors?||"%c||":||"||")+t[0]+(this.useColors?||"%c ||":||
||")+||"+||"+e.exports.humanize(this.diff,!this.useColors)return;const r=||"color:
||"+this.color;t.splice(1,0,r,||"color: inherit");let n=0,i=0;t[0].replace(/%[a-zA-
Z%]/g,e=>{||"%%"!==e&&(n++,||"%c"===e&&(i=n))}),t.splice(i,0,r)},t.save=function(e){try{e?t.storage.setI
tem(||"debug",e):t.storage.removeItem(||"debug")}catch(e){}},t.load=function(){let
e;try{e=t.storage.getItem(||"debug")}catch(e){}!e&&||"undefined"!==typeof process&&||"env" in
process&&(e=process.env.DEBUG);return e},t.useColors=function(){if(||"undefined"!==typeof
window&&window.process&&(||"renderer"===window.process.type||window.process.__nwjs))return!0;if(||"un
defined"!==typeof
navigator&&navigator.userAgent&&navigator.userAgent.toLowerCase().match(/(edge|trident)/||/(||d+)/))return!1;
return||"undefined"!==typeof
document&&document.documentElement&&document.documentElement.style&&document.documentElement.sty
le.WebkitAppearance||||"undefined"!==typeof
window&&window.console&&(window.console.firebug||window.console.exception&&window.console.table)||||"u
ndefined"!==typeof
navigator&&navigator.userAgent&&navigator.userAgent.toLowerCase().match(/firefox/||/(||d+)/)&&parseInt(Re
gExp.$1,10)>=31||||"undefined"!==typeof
navigator&&navigator.userAgent&&navigator.userAgent.toLowerCase().match(/applewebkit/||/(||d+)/)},t.storage
=function(){try{return
localStorage}catch(e){}}(),t.colors=[||"#0000CC",||"#0000FF",||"#0033CC",||"#0033FF",||"#0066CC",||
||"#0066FF",||"#0099CC",||"#0099FF",||"#00CC00",||"#00CC33",||"#00CC66",||"#00CC99",||
||"#00CCCC",||"#00CCFF",||"#3300CC",||"#3300FF",||"#3333CC",||"#3333FF",||"#3366CC",||"

```

```
#3366FF\|",\|"#3399CC\|",\|"#3399FF\|",\|"#33CC00\|",\|"#33CC33\|",\|"#33CC66\|",\|"#33CC99\|",\|"#3
3CCCC\|",\|"#33CCFF\|",\|"#6600CC\|",\|"#6600FF\|",\|"#6633CC\|",\|"#6633FF\|",\|"#66CC00\|",\|"#66
CC33\|",\|"#9900CC\|",\|"#9900FF\|",\|"#9933CC\|",\|"#9933FF\|",\|"#99CC00\|",\|"#99CC33\|",\|"#CC0
000\|",\|"#CC0033\|",\|"#CC0066\|",\|"#CC0099\|",\|"#CC00CC\|",\|"#CC00FF\|",\|"#CC3300\|",\|"#CC3
333\|",\|"#CC3366\|",\|"#CC3399\|",\|"#CC33CC\|",\|"#CC33FF\|",\|"#CC6600\|",\|"#CC6633\|",\|"#CC9
900\|",\|"#CC9933\|",\|"#CCCC00\|",\|"#CCCC33\|",\|"#FF0000\|",\|"#FF0033\|",\|"#FF0066\|",\|"#FF009
9\|",\|"#FF00CC\|",\|"#FF00FF\|",\|"#FF3300\|",\|"#FF3333\|",\|"#FF3366\|",\|"#FF3399\|",\|"#FF33CC\|
",\|"#FF33FF\|",\|"#FF6600\|",\|"#FF6633\|",\|"#FF9900\|",\|"#FF9933\|",\|"#FFCC00\|",\|"#FFCC33\|",e
.exports=r(97)(t);const{formatters:n}=e.exports;n.j=function(e){try{return
JSON.stringify(e)}catch(e){return\|"[UnexpectedJSONParseError]: \|" +e.message}}},function(e,t){var
r=1e3,n=6e4,i=60*n,s=24*i;function a(e,t,r,n){var i=t>=1.5*r;return Math.round(e/r)+\|"
\|"+n+(i?"s\|":\|"")})e.exports=function(e,t){t=t\|{};var o=typeof e;if(\|"string\|"\|===o&&e.length>0)return
function(e){if((e=String(e)).length>100)return;var t=~/^(-?(?:\|d+)?\|\|.?\|d+
*(milliseconds?|msecs?|ms|seconds?|secs?|s|minutes?|mins?|m|hours?|hrs?|h|days?|d|weeks?|w|years?|yrs?|y)?$/i.exec
(e);if(!t)return;var
a=parseFloat(t[1]);switch((t[2]\|\|"ms\|").toLowerCase()){case\|"years\|":case\|"year\|":case\|"yrs\|":case\|"yr\|
\|":case\|"y\|":return 315576e5*a;case\|"weeks\|":case\|"week\|":case\|"w\|":return
6048e5*a;case\|"days\|":case\|"day\|":case\|"d\|":return
a*s;case\|"hours\|":case\|"hour\|":case\|"hrs\|":case\|"hr\|":case\|"h\|":return
a*i;case\|"minutes\|":case\|"minute\|":case\|"mins\|":case\|"min\|":case\|"m\|":return
a*n;case\|"seconds\|":case\|"second\|":case\|"secs\|":case\|"sec\|":case\|"s\|":return
a*r;case\|"milliseconds\|":case\|"millisecond\|":case\|"msecs\|":case\|"msec\|":case\|"ms\|":return
a;default:return}}(e);if(\|"number\|"\|===o&&isFinite(e))return t.long?function(e){var t=Math.abs(e);if(t>=s)return
a(e,t,s,\|"day\|");if(t>=i)return a(e,t,i,\|"hour\|");if(t>=n)return a(e,t,n,\|"minute\|");if(t>=r)return
a(e,t,r,\|"second\|");return e+\|" ms\|"}(e):function(e){var t=Math.abs(e);if(t>=s)return
Math.round(e/s)+\|" d\|";if(t>=i)return Math.round(e/i)+\|" h\|";if(t>=n)return
Math.round(e/n)+\|" m\|";if(t>=r)return Math.round(e/r)+\|" s\|";return e+\|" ms\|"}(e);throw new Error(\|"val is
not a non-empty string or a valid number. val=\|" +JSON.stringify(e))},function(e,t,r){const
n=r(259),i=r(260);t.init=function(e){e.inspectOpts={};const r=Object.keys(t.inspectOpts);for(let
n=0;n<r.length;n++)e.inspectOpts[r[n]]=t.inspectOpts[r[n]]},t.log=function(...e){return
process.stderr.write(i.format(...e)+\|" \|\|n\|"),t.formatArgs=function(r){const{namespace:n,useColors:i}=this;if(i)
{const t=this.color,i=\|" \|\|u001b[3\|"+(t<8?t:\|"8;5;\|" +t),s=` ${i};1m${n}
\|\|u001b[0m`;r[0]=s+r[0].split(\|" \|\|n\|").join(\|" \|\|n\|"+s),r.push(i+\|"m+\|" +e.exports.humanize(this.diff)+\|" \|\|u
001b[0m\|")}else r[0]=function(){if(t.inspectOpts.hideDate)return\|" \|\|";return(new Date).toISOString()+\|"
\|\|"}()+n+\|" \|\|"+r[0]},t.save=function(e){e?process.env.DEBUG=e:delete
process.env.DEBUG},t.load=function(){return process.env.DEBUG},t.useColors=function(){return\|"colors\|"in
t.inspectOpts?Boolean(t.inspectOpts.colors):n.isatty(process.stderr.fd)},t.colors=[6,2,3,4,5,1];try{const
e=r(261);e&&(e.stderr|e).level>=2&&(t.colors=[20,21,26,27,32,33,38,39,40,41,42,43,44,45,56,57,62,63,68,69,74,7
5,76,77,78,79,80,81,92,93,98,99,112,113,128,129,134,135,148,149,160,161,162,163,164,165,166,167,168,169,170,
171,172,173,178,179,184,185,196,197,198,199,200,201,202,203,204,205,206,207,208,209,214,215,220,221])}catch
(e){t.inspectOpts=Object.keys(process.env).filter(e=>/^debug_/i.test(e)).reduce((e,t)=>{const
r=t.substring(6).toLowerCase().replace(/_([a-z])/g,(e,t)=>t.toUpperCase());let n=process.env[t];return
n=!/^yes|on|true|enabled$/i.test(n)||/^no|off|false|disabled$/i.test(n)&&(\|"null\|"\|===n?null:Number(n)),e[r]=n,
e},{}),e.exports=r(97)(t);const{formatters:s}=e.exports;s.o=function(e){return
this.inspectOpts.colors=this.useColors,i.inspect(e,this.inspectOpts).replace(/\\|s*\|n\|\|\|s*/g,\|"
\|\|"),s.O=function(e){return
this.inspectOpts.colors=this.useColors,i.inspect(e,this.inspectOpts)}},function(e,t){e.exports=require(\|"tty\|"),fun
ction(e,t){e.exports=require(\|"util\|"),function(e,t,r){\|"use strict\|";const n=r(98),i=r(99),{env:s}=process;let
```

```

a;function o(e){return function(e){return
0!==(e&&{level:e,hasBasic:!0,has256:e>=2,has16m:e>=3})(function(e){if(0===a)return
0;if(i(\\color=16m\\)|i(\\color=full\\)|i(\\color=truecolor\\))return 3;if(i(\\color=256\\))return
2;if(e&&!e.isTTY&&void 0===a)return 0;const t=a||0;if(\\dumb\\)===s.TERM)return
t;if(\\win32\\)===process.platform){const e=n.release().split(\\\\.\\");return
Number(process.versions.node.split(\\\\.\\")[0])>=8&&Number(e[0])>=10&&Number(e[2])>=10586?Number(e[2]
)>=14931?3:2:1}if(\\CI\\)in
s)return[\\TRAVIS\\,\\CIRCLECI\\,\\APPVEYOR\\,\\GITLAB_CI\\].some(e=>e in
s)||\\codeship\\)===s.CI_NAME?1:t;if(\\TEAMCITY_VERSION\\)in s)return/^9\\.(0*[1-
9]\\d*)\\.\\d{2,}\\./test(s.TEAMCITY_VERSION)?1:0;if(\\truecolor\\)===s.COLORTERM)return
3;if(\\TERM_PROGRAM\\)in s){const
e=parseInt((s.TERM_PROGRAM_VERSION||\\\\).split(\\\\.\\")[0],10);switch(s.TERM_PROGRAM){case\\iTerm.app\\:return e>=3?3:2;case\\Apple_Terminal\\:return 2}}return/-
256(color)?$/i.test(s.TERM)?2:/^screen|^xterm|^vt100|^vt220|^rxvt|color|ansi|cygwin|linux/i.test(s.TERM)||\\COL
ORTERM\\)in s?t:t(e)}i(\\no-color\\)|i(\\no-
colors\\)|i(\\color=false\\)|i(\\color=never\\)?a=0:(i(\\color\\)|i(\\colors\\)|i(\\color=true\\)|i(\\co
lor=always\\))&&(a=1),\\FORCE_COLOR\\)in
s&&(a!=0===s.FORCE_COLOR||\\true\\)===s.FORCE_COLOR?1:1===s.FORCE_COLOR||\\false\\)===s.F
ORCE_COLOR?0:0===s.FORCE_COLOR.length?1:Math.min(parseInt(s.FORCE_COLOR,10),3),e.exports={sup
portsColor:o,stdout:o(process.stdout),stderr:o(process.stderr)}},function(e,t,r){\\use
strict\\;Object.defineProperty(t,\\__esModule\\",{value:!0}),t.default=void 0;s(r(101));var
n=s(r(263));!function(e){if(e&&e.__esModule)return e;if(null===e||\\object\\)!==typeof
e&&\\function\\)!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get|a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r)}(r(0));function i(){if(\\function\\)!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e){return e&&e.__esModule?e:{default:e}}const
a={ReferencedIdentifier({node:e},t){e.name===t.oldName&&(e.name=t.newName)},Scope(e,t){e.scope.bindingId
entifierEquals(t.oldName,t.binding.identifier)|e.skip(),\\AssignmentExpression|Declaration|VariableDeclarator\\
"(e,t){if(e.isVariableDeclaration())return;const r=e.getOuterBindingIdentifiers();for(const e in
r)e===t.oldName&&(r[e].name=t.newName)};t.default=class{constructor(e,t,r){this.newName=r,this.oldName=t,t
his.binding=e}maybeConvertFromExportDeclaration(e){const
t=e.parentPath;t.isExportDeclaration()&&(t.isExportDefaultDeclaration()&&!t.get(\\declaration\\).node.id|(0,n.d
efault)(t))}maybeConvertFromClassFunctionDeclaration(e){}maybeConvertFromClassFunctionExpression(e){}ren
ame(e){const{binding:t,oldName:r,newName:n}=this,{scope:i,path:s}=t,o=s.find(e=>e.isDeclaration())|e.isFunction
Expression()|e.isClassExpression());if(o){o.getOuterBindingIdentifiers()[r]===t.identifier&&this.maybeConvertFro
mExportDeclaration(o)}i.traverse(e|i.block,a,this),e|(i.removeOwnBinding(r),i.bindings[n]=t,this.binding.identifier
.name=n),t.type,o&&(this.maybeConvertFromClassFunctionDeclaration(o),this.maybeConvertFromClassFunctionE
xpression(o))}}},function(e,t,r){\\use
strict\\;Object.defineProperty(t,\\__esModule\\",{value:!0}),t.default=function(e){if(!e.isExportDeclaration())thr
ow new Error(\\Only export declarations can be split.\\);const
t=e.isExportDefaultDeclaration(),r=e.get(\\declaration\\),i=r.isClassDeclaration();if(t){const
t=r.isFunctionDeclaration()|i,s=r.isScope()?r.scope.parent:r.scope;let
a=r.node.id,o=!1;all(o=!0,a=s.generateUidIdentifier(\\default\\),t)|r.isFunctionExpression()|r.isClassExpression()
)&&(r.node.id=n.cloneNode(a));const
l=t?r.variableDeclaration(\\var\\",[n.variableDeclarator(n.cloneNode(a),r.node)]),c=n.exportNamedDeclaration(
null,[n.exportSpecifier(n.cloneNode(a),n.identifier(\\default\\))]);return

```


,fields: {id:(0,n.validateType)([["Identifier"],["StringLiteral"]]),body:(0,n.validateType)(["BlockStatement"]),kind:(0,n.validateOptional)((0,n.assertOneOf)(["CommonJS"],["ES"])),(0,n.default)(["DeclareModuleExports"],{visitor:[["typeAnnotation"],aliases:[["Flow"],["FlowDeclaration"],["Statement"],["Declaration"]],fields: {typeAnnotation:(0,n.validateType)(["TypeAnnotation"])}),(0,n.default)(["DeclareTypeAlias"],{visitor:[["id"],["typeParameters"],["right"],aliases:[["Flow"],["FlowDeclaration"],["Statement"],["Declaration"]],fields: {id:(0,n.validateType)(["Identifier"]),typeParameters:(0,n.validateOptionalType)(["TypeParameterDeclaration"]),right:(0,n.validateType)(["FlowType"])}),(0,n.default)(["DeclareOpaqueType"],{visitor:[["id"],["typeParameters"],["supertype"],aliases:[["Flow"],["FlowDeclaration"],["Statement"],["Declaration"]],fields: {id:(0,n.validateType)(["Identifier"]),typeParameters:(0,n.validateOptionalType)(["TypeParameterDeclaration"]),supertype:(0,n.validateOptionalType)(["FlowType"])}),(0,n.default)(["DeclareVariable"],{visitor:[["id"],aliases:[["Flow"],["FlowDeclaration"],["Statement"],["Declaration"]],fields: {id:(0,n.validateType)(["Identifier"])}),(0,n.default)(["DeclareExportDeclaration"],{visitor:[["declaration"],["specifier"],["source"],aliases:[["Flow"],["FlowDeclaration"],["Statement"],["Declaration"]],fields: {declaration:(0,n.validateOptionalType)(["Flow"]),specifiers:(0,n.validateOptional)((0,n.arrayOfType)(["ExportSpecifier"],["ExportNamespaceSpecifier"])),source:(0,n.validateOptionalType)(["StringLiteral"]),default:(0,n.validateOptional)((0,n.assertValueType)(["boolean"])}),(0,n.default)(["DeclareExportAllDeclaration"],{visitor:[["source"],aliases:[["Flow"],["FlowDeclaration"],["Statement"],["Declaration"]],fields: {source:(0,n.validateType)(["StringLiteral"]),exportKind:(0,n.validateOptional)((0,n.assertOneOf)(["type"],["value"])}),(0,n.default)(["DeclaredPredicate"],{visitor:[["value"],aliases:[["Flow"],["FlowPredicate"]],fields: {value:(0,n.validateType)(["Flow"])}),(0,n.default)(["ExistsTypeAnnotation"],{aliases:[["Flow"],["FlowType"]]}),(0,n.default)(["FunctionTypeAnnotation"],{visitor:[["typeParameters"],["params"],["rest"],["returnType"],aliases:[["Flow"],["FlowType"]],fields: {typeParameters:(0,n.validateOptionalType)(["TypeParameterDeclaration"]),params:(0,n.validate)((0,n.arrayOfType)(["FunctionTypeParam"])),rest:(0,n.validateOptionalType)(["FunctionTypeParam"]),this:(0,n.validateOptionalType)(["FunctionTypeParam"]),returnType:(0,n.validateType)(["FlowType"])}),(0,n.default)(["FunctionTypeParam"],{visitor:[["name"],["typeAnnotation"],aliases:[["Flow"],fields: {name:(0,n.validateOptionalType)(["Identifier"]),typeAnnotation:(0,n.validateType)(["FlowType"]),optional:(0,n.validateOptional)((0,n.assertValueType)(["boolean"])}),(0,n.default)(["GenericTypeAnnotation"],{visitor:[["id"],["typeParameters"],aliases:[["Flow"],["FlowType"]],fields: {id:(0,n.validateType)(["Identifier"],["QualifiedTypeIdentifier"]]),typeParameters:(0,n.validateOptionalType)(["TypeParameterInstantiation"])}),(0,n.default)(["InferredPredicate"],{aliases:[["Flow"],["FlowPredicate"]]}),(0,n.default)(["InterfaceExtends"],{visitor:[["id"],["typeParameters"],aliases:[["Flow"],fields: {id:(0,n.validateType)(["Identifier"],["QualifiedTypeIdentifier"]]),typeParameters:(0,n.validateOptionalType)(["TypeParameterInstantiation"])}),i(["InterfaceDeclaration"]),i(["InterfaceTypeAnnotation"],{visitor:[["extends"],["body"],aliases:[["Flow"],["FlowType"]],fields: {extends:(0,n.validateOptional)((0,n.arrayOfType)(["InterfaceExtends"])),body:(0,n.validateType)(["ObjectTypeAnnotation"])}),(0,n.default)(["IntersectionTypeAnnotation"],{visitor:[["types"],aliases:[["Flow"],["FlowType"]],fields: {types:(0,n.validate)((0,n.arrayOfType)(["FlowType"])}),(0,n.default)(["MixedTypeAnnotation"],{aliases:[["Flow"],["FlowType"],["FlowBaseAnnotation"]]}),(0,n.default)(["EmptyTypeAnnotation"],{aliases:[["Flow"],["FlowType"],["FlowBaseAnnotation"]]}),(0,n.default)(["NullableTypeAnnotation"],{visitor:[["typeAnnotation"],aliases:[["Flow"],["FlowType"]],fields: {typeAnnotation:(0,n.validateType)(["FlowType"])}),(0,n.default)(["NumberLiteralTypeAnnotation"],{builder:[["value"],aliases:[["Flow"],["FlowType"]],fields: {value:(0,n.validate)((0,n.assertValueType)(["number"])}),(0,n.default)(["NumberTypeAnnotation"],{aliases:[["Flow"],["FlowType"],["FlowBaseAnnotation"]]}),(0,n.default)(["ObjectTypeAnnotation"],{visitor:[["properties"],["indexers"],["callProperties"],["internalSlots"],aliases:[["Flow"],["FlowType"]],builder:[["properties"],["indexers"],["callProperties"],["internalSlots"],["exact"],fields: {properties:(0,n.validate)((0,n.arrayOfType)(["ObjectTypeProperty"],["ObjectTypeSpreadProperty"])),indexers:(0,n.validateOptional)((0,n.arrayOfType)(["ObjectTypeIndexer"])),callProperties:(0,n.validateOptional)((0,n.arrayOfType)(["ObjectTypeCallProperty"])),internalSlots:(0,n.validateOptional)((0,n.arrayOfType)(["ObjectTypeInternalSlot"])),exact: {validate:(0,n.assertValueType)(["boolean"]),defa

ult:!1},inexact:(0,n.validateOptional)((0,n.assertValueType)(\\"boolean\\"))), (0,n.default)(\\"ObjectTypeInternal Slot\\",{ visitor:[\\"id\\",\\"value\\",\\"optional\\",\\"static\\",\\"method\\"],aliases:[\\"Flow\\",\\"UserWhitespacable\\"],fields:{ id:(0,n.validateType)(\\"Identifier\\"),value:(0,n.validateType)(\\"FlowType\\"),optional:(0,n.validate)((0,n.assertValueType)(\\"boolean\\")),static:(0,n.validate)((0,n.assertValueType)(\\"boolean\\")),method:(0,n.validate)((0,n.assertValueType)(\\"boolean\\"))}), (0,n.default)(\\"ObjectTypeCallProperty\\",{ visitor:[\\"value\\"],aliases:[\\"Flow\\",\\"UserWhitespacable\\"],fields:{ value:(0,n.validateType)(\\"FlowType\\"),static:(0,n.validate)((0,n.assertValueType)(\\"boolean\\"))}), (0,n.default)(\\"ObjectTypeIndexer\\",{ visitor:[\\"id\\",\\"key\\",\\"value\\",\\"variance\\"],aliases:[\\"Flow\\",\\"UserWhitespacable\\"],fields:{ id:(0,n.validateOptionalType)(\\"Identifier\\"),key:(0,n.validateType)(\\"FlowType\\"),value:(0,n.validateType)(\\"FlowType\\"),static:(0,n.validate)((0,n.assertValueType)(\\"boolean\\")),variance:(0,n.validateOptionalType)(\\"Variance\\"))}), (0,n.default)(\\"ObjectTypeProperty\\",{ visitor:[\\"key\\",\\"value\\",\\"variance\\"],aliases:[\\"Flow\\",\\"UserWhitespacable\\"],fields:{ key:(0,n.validateType)(\\"Identifier\\",\\"StringLiteral\\"),value:(0,n.validateType)(\\"FlowType\\"),kind:(0,n.validate)((0,n.assertOneOf)(\\"init\\",\\"get\\",\\"set\\")),static:(0,n.validate)((0,n.assertValueType)(\\"boolean\\")),proto:(0,n.validate)((0,n.assertValueType)(\\"boolean\\")),optional:(0,n.validate)((0,n.assertValueType)(\\"boolean\\")),variance:(0,n.validateOptionalType)(\\"Variance\\"),method:(0,n.validate)((0,n.assertValueType)(\\"boolean\\"))}), (0,n.default)(\\"ObjectTypeSpreadProperty\\",{ visitor:[\\"argument\\"],aliases:[\\"Flow\\",\\"UserWhitespacable\\"],fields:{ argument:(0,n.validateType)(\\"FlowType\\"))}), (0,n.default)(\\"OpaqueType\\",{ visitor:[\\"id\\",\\"typeParameters\\",\\"supertype\\",\\"impltype\\"],aliases:[\\"Flow\\",\\"FlowDeclaration\\",\\"Statement\\",\\"Declaration\\"],fields:{ id:(0,n.validateType)(\\"Identifier\\"),typeParameters:(0,n.validateOptionalType)(\\"TypeParameterDeclaration\\"),supertype:(0,n.validateOptionalType)(\\"FlowType\\"),impltype:(0,n.validateType)(\\"FlowType\\"))}), (0,n.default)(\\"QualifiedTypeIdentifier\\",{ visitor:[\\"id\\",\\"qualification\\"],aliases:[\\"Flow\\"],fields:{ id:(0,n.validateType)(\\"Identifier\\"),qualification:(0,n.validateType)(\\"Identifier\\",\\"QualifiedTypeIdentifier\\"))}), (0,n.default)(\\"StringLiteralTypeAnnotation\\",{ builder:[\\"value\\"],aliases:[\\"Flow\\",\\"FlowType\\"],fields:{ value:(0,n.validate)((0,n.assertValueType)(\\"string\\"))}), (0,n.default)(\\"StringTypeAnnotation\\",{ aliases:[\\"Flow\\",\\"FlowType\\",\\"FlowBaseAnnotation\\"]}), (0,n.default)(\\"SymbolTypeAnnotation\\",{ aliases:[\\"Flow\\",\\"FlowType\\",\\"FlowBaseAnnotation\\"]}), (0,n.default)(\\"ThisTypeAnnotation\\",{ aliases:[\\"Flow\\",\\"FlowType\\",\\"FlowBaseAnnotation\\"]}), (0,n.default)(\\"TupleTypeAnnotation\\",{ visitor:[\\"types\\"],aliases:[\\"Flow\\",\\"FlowType\\"],fields:{ types:(0,n.validate)((0,n.arrayOfType)(\\"FlowType\\"))}), (0,n.default)(\\"TypeofTypeAnnotation\\",{ visitor:[\\"argument\\"],aliases:[\\"Flow\\",\\"FlowType\\"],fields:{ argument:(0,n.validateType)(\\"FlowType\\"))}), (0,n.default)(\\"TypeAlias\\",{ visitor:[\\"id\\",\\"typeParameters\\",\\"right\\"],aliases:[\\"Flow\\",\\"FlowDeclaration\\",\\"Statement\\",\\"Declaration\\"],fields:{ id:(0,n.validateType)(\\"Identifier\\"),typeParameters:(0,n.validateOptionalType)(\\"TypeParameterDeclaration\\"),right:(0,n.validateType)(\\"FlowType\\"))}), (0,n.default)(\\"TypeAnnotation\\",{ aliases:[\\"Flow\\"],visitor:[\\"typeAnnotation\\"],fields:{ typeAnnotation:(0,n.validateType)(\\"FlowType\\"))}), (0,n.default)(\\"TypeCastExpression\\",{ visitor:[\\"expression\\",\\"typeAnnotation\\"],aliases:[\\"Flow\\",\\"ExpressionWrapper\\",\\"Expression\\"],fields:{ expression:(0,n.validateType)(\\"Expression\\"),typeAnnotation:(0,n.validateType)(\\"TypeAnnotation\\"))}), (0,n.default)(\\"TypeParameter\\",{ aliases:[\\"Flow\\"],visitor:[\\"bound\\",\\"default\\",\\"variance\\"],fields:{ name:(0,n.validate)((0,n.assertValueType)(\\"string\\")),bound:(0,n.validateOptionalType)(\\"TypeAnnotation\\"),default:(0,n.validateOptionalType)(\\"FlowType\\"),variance:(0,n.validateOptionalType)(\\"Variance\\"))}), (0,n.default)(\\"TypeParameterDeclaration\\",{ aliases:[\\"Flow\\"],visitor:[\\"params\\"],fields:{ params:(0,n.validate)((0,n.arrayOfType)(\\"TypeParameter\\"))}), (0,n.default)(\\"TypeParameterInstantiation\\",{ aliases:[\\"Flow\\"],visitor:[\\"params\\"],fields:{ params:(0,n.validate)((0,n.arrayOfType)(\\"FlowType\\"))}), 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bolBody\\") } } },(0,n.default)(\\"EnumBooleanBody\\",{aliases:[\\"EnumBody\\"],visitor:[\\"members\\"],fields:
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EnumNumberBody\\",{aliases:[\\"EnumBody\\"],visitor:[\\"members\\"],fields:{explicitType:(0,n.validate)((0,n
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Members:(0,n.validate)((0,n.assertValueType)(\\"boolean\\")) } } },(0,n.default)(\\"EnumStringBody\\",{aliases:[\\
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mbers:(0,n.validate)((0,n.assertValueType)(\\"boolean\\")) } } },(0,n.default)(\\"EnumSymbolBody\\",{aliases:[\\"E
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objectType:(0,n.validateType)(\\"FlowType\\"),indexType:(0,n.validateType)(\\"FlowType\\")) } } },(0,n.default)(\\
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,n.validate)((0,n.assertValueType)(\\"boolean\\")) } } },function(e,t,r){\\"use strict\\";var
n=r(10);(0,n.default)(\\"JSXAttribute\\",{visitor:[\\"name\\",\\"value\\"],aliases:[\\"JSX\\",\\"Immutable\\"],fie
lds:{name:{validate:(0,n.assertNodeType)(\\"JSXIdentifier\\",\\"JSXNamespacedName\\")},value:{optional:!0,va
lidate:(0,n.assertNodeType)(\\"JSXElement\\",\\"JSXFragment\\",\\"StringLiteral\\",\\"JSXExpressionContainer
\\")) } } },(0,n.default)(\\"JSXClosingElement\\",{visitor:[\\"name\\"],aliases:[\\"JSX\\",\\"Immutable\\"],fields:{
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\\",\\"Expression\\"],fields:{openingElement:{validate:(0,n.assertNodeType)(\\"JSXOpeningElement\\")},closing
Element:{optional:!0,validate:(0,n.assertNodeType)(\\"JSXClosingElement\\")},children:{validate:(0,n.chain)((0,n
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\\",\\"JSXSpreadChild\\",\\"JSXElement\\",\\"JSXFragment\\"))},selfClosing:{validate:(0,n.assertValueType)(\\
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\\",{visitor:[\\"namespace\\",\\"name\\"],aliases:[\\"JSX\\"],fields:{namespace:{validate:(0,n.assertNodeType)(\\
\\"JSXIdentifier\\")},name:{validate:(0,n.assertNodeType)(\\"JSXIdentifier\\")) } } },(0,n.default)(\\"JSXOpeningEle
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n\\",\\"JSXNamespacedName\\")},selfClosing:{default:!1},attributes:{validate:(0,n.chain)((0,n.assertValueType)(\\
\\"array\\"),(0,n.assertEach)((0,n.assertNodeType)(\\"JSXAttribute\\",\\"JSXSpreadAttribute\\"))},typeParameter
s:{validate:(0,n.assertNodeType)(\\"TypeParameterInstantiation\\",\\"TSTypeParameterInstantiation\\"),optional:!

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0})),(0,n.default)(\\"JSXSpreadAttribute\\",{visitor:[\\"argument\\"],aliases:[\\"JSX\\"],fields:{argument:{validate:(0,n.assertNodeType)(\\"Expression\\")}}}), (0,n.default)(\\"JSXText\\",{aliases:[\\"JSX\\",\\"Immutable\\"],builder:[\\"value\\"],fields:{value:{validate:(0,n.assertValueType)(\\"string\\")}}}), (0,n.default)(\\"JSXFragment\\",{builder:[\\"openingFragment\\",\\"closingFragment\\",\\"children\\"],visitor:[\\"openingFragment\\",\\"children\\",\\"closingFragment\\"],aliases:[\\"JSX\\",\\"Immutable\\",\\"Expression\\"],fields:{openingFragment:{validate:(0,n.assertNodeType)(\\"JSXOpeningFragment\\")},closingFragment:{validate:(0,n.assertNodeType)(\\"JSXClosingFragment\\")},children:{validate:(0,n.chain)((0,n.assertValueType)(\\"array\\"),(0,n.assertEach)((0,n.assertNodeType)(\\"JSXText\\",\\"JSXExpressionContainer\\",\\"JSXSpreadChild\\",\\"JSXElement\\",\\"JSXFragment\\"))}}}), (0,n.default)(\\"JSXOpeningFragment\\",{aliases:[\\"JSX\\",\\"Immutable\\"]}), (0,n.default)(\\"JSXClosingFragment\\",{aliases:[\\"JSX\\",\\"Immutable\\"]}),function(e,t,r){\\"use strict\\";var n=r(10),i=r(105);(0,n.default)(\\"Noop\\",{visitor:[]}), (0,n.default)(\\"Placeholder\\",{visitor:[],builder:[\\"expectedNode\\",\\"name\\"],fields:{name:{validate:(0,n.assertNodeType)(\\"Identifier\\")},expectedNode:{validate:(0,n.assertOneOf(...i.PLACEHOLDERS)}}}), (0,n.default)(\\"V8IntrinsicIdentifier\\",{builder:[\\"name\\"],fields:{name:{validate:(0,n.assertValueType)(\\"string\\")}}}),function(e,t,r){\\"use strict\\";var n=r(10),i=r(55);(0,n.default)(\\"ArgumentPlaceholder\\",{ }), 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ype)(\\"array\\"),(0,n.assertEach)((0,n.assertNodeType)(\\"ObjectProperty\\",\\"SpreadElement\\"))},(0,n.default)(\\"TupleExpression\\",{fields:{elements:{validate:(0,n.chain)((0,n.assertValueType)(\\"array\\"),(0,n.assertEach)((0,n.assertNodeType)(\\"Expression\\",\\"SpreadElement\\")),default:[]}},visitor:[\\"elements\\"],aliases:[\\"Expression\\"]}),(0,n.default)(\\"DecimalLiteral\\",{builder:[\\"value\\"],fields:{value:{validate:(0,n.assertValueType)(\\"string\\")}},aliases:[\\"Expression\\",\\"Pureish\\",\\"Literal\\",\\"Immutable\\"]}),(0,n.default)(\\"StaticBlock\\",{visitor:[\\"body\\"],fields:{body:{validate:(0,n.chain)((0,n.assertValueType)(\\"array\\"),(0,n.assertEach)((0,n.assertNodeType)(\\"Statement\\"))}},aliases:[\\"Scopable\\",\\"BlockParent\\"]}),(0,n.default)(\\"ModuleExpression\\",{visitor:[\\"body\\"],fields:{body:{validate:(0,n.assertNodeType)(\\"Program\\")}},aliases:[\\"Expression\\"]}},function(e,t,r){\\"use strict\\";var n=r(10),i=r(55);const
s=(0,n.assertValueType)(\\"boolean\\"),a={returnType:{validate:(0,n.assertNodeType)(\\"TSTypeAnnotation\\",\\"Noop\\"),optional:!0},typeParameters:{validate:(0,n.assertNodeType)(\\"TSTypeParameterDeclaration\\",\\"Noop\\"),optional:!0}};(0,n.default)(\\"TSParameterProperty\\",{aliases:[\\"LVal\\"],visitor:[\\"parameter\\"],fields:{accessibility:{validate:(0,n.assertOneOf)(\\"public\\",\\"private\\",\\"protected\\"),optional:!0},readonly:{validate:(0,n.assertValueType)(\\"boolean\\"),optional:!0},parameter:{validate:(0,n.assertNodeType)(\\"Identifier\\",\\"AssignmentPattern\\"))}},(0,n.default)(\\"TSDeclareFunction\\",{aliases:[\\"Statement\\",\\"Declaration\\"],visitor:[\\"id\\",\\"typeParameters\\",\\"params\\",\\"returnType\\"],fields:Object.assign({,i.functionDeclarationCommon,a))),(0,n.default)(\\"TSDeclareMethod\\",{visitor:[\\"decorators\\",\\"key\\",\\"typeParameters\\",\\"params\\",\\"returnType\\"],fields:Object.assign({,i.classMethodOrDeclareMethodCommon,a))),(0,n.default)(\\"TSQualifiedName\\",{aliases:[\\"TSEntityName\\"],visitor:[\\"left\\",\\"right\\"],fields:{left:(0,n.validateType)(\\"TSEntityName\\"),right:(0,n.validateType)(\\"Identifier\\"))});const
o={typeParameters:(0,n.validateOptionalType)(\\"TSTypeParameterDeclaration\\"),parameters:(0,n.validateArrayOfType)(\\"Identifier\\",\\"RestElement\\"),typeAnnotation:(0,n.validateOptionalType)(\\"TSTypeAnnotation\\"),l={aliases:[\\"TSTypeElement\\"],visitor:[\\"typeParameters\\",\\"parameters\\",\\"typeAnnotation\\"],fields:o}};(0,n.default)(\\"TSCallSignatureDeclaration\\",l),(0,n.default)(\\"TSConstructSignatureDeclaration\\",l);const
c={key:(0,n.validateType)(\\"Expression\\"),computed:(0,n.validate)(s),optional:(0,n.validateOptional)(s)};(0,n.default)(\\"TSPropertySignature\\",{aliases:[\\"TSTypeElement\\"],visitor:[\\"key\\",\\"typeAnnotation\\",\\"initializer\\"],fields:Object.assign({,c,{readonly:(0,n.validateOptional)(s),typeAnnotation:(0,n.validateOptionalType)(\\"TSTypeAnnotation\\"),initializer:(0,n.validateOptionalType)(\\"Expression\\"))}),0,n.default)(\\"TSMethodSignature\\",{aliases:[\\"TSTypeElement\\"],visitor:[\\"key\\",\\"typeParameters\\",\\"parameters\\",\\"typeAnnotation\\"],fields:Object.assign({,o,c,{kind:{validate:(0,n.assertOneOf)(\\"method\\",\\"get\\",\\"set\\"))}}),(0,n.default)(\\"TSIndexSignature\\",{aliases:[\\"TSTypeElement\\"],visitor:[\\"parameters\\",\\"typeAnnotation\\"],fields:{readonly:(0,n.validateOptional)(s),static:(0,n.validateOptional)(s),parameters:(0,n.validateArrayOfType)(\\"Identifier\\"),typeAnnotation:(0,n.validateOptionalType)(\\"TSTypeAnnotation\\"))});const
p=[\\"TSAnyKeyword\\",\\"TSBooleanKeyword\\",\\"TSBigIntKeyword\\",\\"TSIntrinsicKeyword\\",\\"TSNeverKeyword\\",\\"TSNullKeyword\\",\\"TSNumberKeyword\\",\\"TSObjectKeyword\\",\\"TSStringKeyword\\",\\"TSSymbolKeyword\\",\\"TSUndefinedKeyword\\",\\"TSUnknownKeyword\\",\\"TSVoidKeyword\\"];for(const e of
p)(0,n.default)(e,{aliases:[\\"TSType\\",\\"TSBaseType\\"],visitor:[],fields:{}});(0,n.default)(\\"TSThisType\\",{aliases:[\\"TSType\\",\\"TSBaseType\\"],visitor:[],fields:{}});const
u={aliases:[\\"TSType\\"],visitor:[\\"typeParameters\\",\\"parameters\\",\\"typeAnnotation\\"]};(0,n.default)(\\"TSFunctionType\\",Object.assign({,u,{fields:o}),(0,n.default)(\\"TSConstructorType\\",Object.assign({,u,{fields:Object.assign({,o,{abstract:(0,n.validateOptional)(s)}))),(0,n.default)(\\"TSTypeReference\\",{aliases:[\\"TSType\\"],visitor:[\\"typeName\\",\\"typeParameters\\"],fields:{typeName:(0,n.validateType)(\\"TSEntityName\\"),typeParameters:(0,n.validateOptionalType)(\\"TSTypeParameterInstantiation\\"))}),0,n.default)(\\"TSTypePredicate\\",{aliases:[\\"TSType\\",visitor:[\\"parameterName\\",\\"typeAnnotation\\"],builder:[\\"parameterName\\",\\"typeAnnotation\\",\\"asserts\\"],fields:{parameterName:(0,n.validateType)(\\"Identifier\\",\\"TSThisType\\"),typeAnnotation:(0,n.validateOptionalType)(\\"TSTypeAnnotation\\"),asserts:(0,n.validateOptional)(s)}),(0,n.default)(\\"TSTypeQuery\\",{aliases:[\\"TSType\\"],visitor:[\\"exprName\\"],fields:{exprName:(0,n.validateType)

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(("\\TSEntityName\\",("\\TSImportType\\"))},(0,n.default)(("\\TSTypeLiteral\\",{aliases:(\\"TSType\\"),visitor:
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\\")}}),(0,n.default)(\\"TSTupleType\\",{aliases:(\\"TSType\\"),visitor:(\\"elementTypes\\"),fields:{elementTypes:
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al:{validate:s,default:!1},elementType:(0,n.validateType)(\\"TSType\\")}});const
d={aliases:(\\"TSType\\"),visitor:(\\"types\\"),fields:{types:(0,n.validateArrayOfType)(\\"TSType\\")}};(0,n.defa
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sitor:(\\"literal\\"),fields:{literal:(0,n.validateType)(\\"NumericLiteral\\",\\"StringLiteral\\",\\"BooleanLiteral\\
\\",\\"BigIntLiteral\\")}}),(0,n.default)(\\"TSExpressionWithTypeArguments\\",{aliases:(\\"TSType\\"),visitor:(\\"
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lare:(0,n.validateOptional)(s),id:(0,n.validateType)(\\"Identifier\\"),typeParameters:(0,n.validateOptionalType)(\\"
TSTypeParameterDeclaration\\"),extends:(0,n.validateOptional)((0,n.arrayOfType)(\\"TSExpressionWithTypeArg
uments\\")),body:(0,n.validateType)(\\"TSInterfaceBody\\"))},(0,n.default)(\\"TSInterfaceBody\\",{visitor:(\\"b
ody\\"),fields:{body:(0,n.validateArrayOfType)(\\"TSTypeElement\\"))},(0,n.default)(\\"TSTypeAliasDeclaratio
n\\",{aliases:(\\"Statement\\",\\"Declaration\\"),visitor:(\\"id\\",\\"typeParameters\\",\\"typeAnnotation\\"),fiel
ds:{declare:(0,n.validateOptional)(s),id:(0,n.validateType)(\\"Identifier\\"),typeParameters:(0,n.validateOptionalTy
pe)(\\"TSTypeParameterDeclaration\\"),typeAnnotation:(0,n.validateType)(\\"TSType\\")}}),(0,n.default)(\\"TS
AsExpression\\",{aliases:(\\"Expression\\"),visitor:(\\"expression\\",\\"typeAnnotation\\"),fields:{expression:(0,
n.validateType)(\\"Expression\\"),typeAnnotation:(0,n.validateType)(\\"TSType\\")}}),(0,n.default)(\\"TSTypeA
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t){i(\\\\"Method\\\\",e,t)},t.assertObjectMember=function(e,t){i(\\\\"ObjectMember\\\\",e,t)},t.assertProperty=function(
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Pattern\\\\",e,t)},t.assertClass=function(e,t){i(\\\\"Class\\\\",e,t)},t.assertModuleDeclaration=function(e,t){i(\\\\"Modul
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te\\\\",e,t)},t.assertEnumBody=function(e,t){i(\\\\"EnumBody\\\\",e,t)},t.assertEnumMember=function(e,t){i(\\\\"Enum
Member\\\\",e,t)},t.assertJSX=function(e,t){i(\\\\"JSX\\\\",e,t)},t.assertPrivate=function(e,t){i(\\\\"Private\\\\",e,t)},t.asse
rtTSTypeElement=function(e,t){i(\\\\"TSTypeElement\\\\",e,t)},t.assertTSType=function(e,t){i(\\\\"TSType\\\\",e,t)},t.a
ssertTSBaseType=function(e,t){i(\\\\"TSBaseType\\\\",e,t)},t.assertNumberLiteral=function(e,t){console.trace(\\\\"The
node type NumberLiteral has been renamed to
NumericLiteral\\\\"),i(\\\\"NumberLiteral\\\\",e,t)},t.assertRegexLiteral=function(e,t){console.trace(\\\\"The node type
RegexLiteral has been renamed to
RegExpLiteral\\\\"),i(\\\\"RegexLiteral\\\\",e,t)},t.assertRestProperty=function(e,t){console.trace(\\\\"The node type
RestProperty has been renamed to
RestElement\\\\"),i(\\\\"RestProperty\\\\",e,t)},t.assertSpreadProperty=function(e,t){console.trace(\\\\"The node type
SpreadProperty has been renamed to SpreadElement\\\\"),i(\\\\"SpreadProperty\\\\",e,t)};var n=r(36);function
i(e,t,r){if(!(0,n.default)(e,t,r))throw new Error(`Expected type \\\\"${e}\\\\" with option ${JSON.stringify(r)}, but
instead got \\\\"${t.type}\\\\".`)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e){if(\\\\"string\\\\"===e)return(0,n
.stringTypeAnnotation());if(\\\\"number\\\\"===e)return(0,n.numberTypeAnnotation());if(\\\\"undefined\\\\"===e)return
(0,n.voidTypeAnnotation());if(\\\\"boolean\\\\"===e)return(0,n.booleanTypeAnnotation());if(\\\\"function\\\\"===e)retu
rn(0,n.genericTypeAnnotation)((0,n.identifier)(\\\\"Function\\\\"));if(\\\\"object\\\\"===e)return(0,n.genericTypeAnnotat
ion)((0,n.identifier)(\\\\"Object\\\\"));if(\\\\"symbol\\\\"===e)return(0,n.genericTypeAnnotation)((0,n.identifier)(\\\\"Sym
bol\\\\"));if(\\\\"bigint\\\\"===e)return(0,n.anyTypeAnnotation());throw new Error(\\\\"Invalid typeof value: \\\\"+e)};var
n=r(3)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e){const t=(0,i.default)(e);return
1===t.length?t[0):(0,n.unionTypeAnnotation)(t)};var n=r(3),i=r(107)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e){const
t=e.map(e=>e.typeAnnotation),r=(0,i.default)(t);return 1===r.length?t[0):(0,n.tsUnionType)(r)};var
n=r(3),i=r(279)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e){const
t={},r={},i=[],s=[];for(let t=0;t<e.length;t++){const
a=e[t];if(a&&(s.indexOf(a)>=0)){if((0,n.isTSAnyKeyword)(a))return[a];(0,n.isTSBaseType)(a)?r[a.type]=a:(0,n.is
TSUnionType)(a)?i.indexOf(a.types)<0&&(e=e.concat(a.types),i.push(a.types)):s.push(a)}for(const e of
Object.keys(r))s.push(r[e]);for(const e of Object.keys(t))s.push(t[e]);return s};var n=r(1)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),Object.defineProperty(t,\\\\"ArrayExpression\\\\",{en
umerable:!0,get:function(){return
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n.catchClause })),Object.defineProperty(t,\\\\"ConditionalExpression\\\\",{enumerable:!0,get:function(){return n.conditionalExpression })),Object.defineProperty(t,\\\\"ContinueStatement\\\\",{enumerable:!0,get:function(){return n.continueStatement })),Object.defineProperty(t,\\\\"DebuggerStatement\\\\",{enumerable:!0,get:function(){return n.debuggerStatement })),Object.defineProperty(t,\\\\"DoWhileStatement\\\\",{enumerable:!0,get:function(){return n.doWhileStatement })),Object.defineProperty(t,\\\\"EmptyStatement\\\\",{enumerable:!0,get:function(){return n.emptyStatement })),Object.defineProperty(t,\\\\"ExpressionStatement\\\\",{enumerable:!0,get:function(){return n.expressionStatement })),Object.defineProperty(t,\\\\"File\\\\",{enumerable:!0,get:function(){return n.file })),Object.defineProperty(t,\\\\"ForInStatement\\\\",{enumerable:!0,get:function(){return n.forInStatement })),Object.defineProperty(t,\\\\"ForStatement\\\\",{enumerable:!0,get:function(){return n.forStatement 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n.enumDefaultedMember })),Object.defineProperty(t,\\\\"IndexedAccessType\\\\",{enumerable:!0,get:function(){retu
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```

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strict\\\\";Object.defineProperty(t,\\\\"__esModule\\",{value:!0}),t.default=function(e){return(0,n.default)(e,!1)};var
n=r(16)},function(e,t,r){\\\\"use
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n=r(16)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\",{value:!0}),t.default=function(e){return(0,n.default)(e,!0)};v
ar n=r(16)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\",{value:!0}),t.default=function(e){return(0,n.default)(e,!1,!0)};v
ar n=r(16)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\",{value:!0}),t.default=function(e,t,r,i){return(0,n.default)(e,t,[[ty
pe:i?\\\\"CommentLine\\":\\\\"CommentBlock\\",value:r]])};var n=r(108)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\",{value:!0}),t.default=function(e){return
n.COMMENT_KEYS.forEach(t=>{e[t]=null}),e};var n=r(15)},function(e,t,r){\\\\"use
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TYPEELEMENT_TYPES=t.PRIVATE_TYPES=t.JSX_TYPES=t.ENUMMEMBER_TYPES=t.ENUMBODY_TY
PES=t.FLOWPREDICATE_TYPES=t.FLOWDECLARATION_TYPES=t.FLOWBASEANNOTATION_TYPES=t
.FLOWTYPE_TYPES=t.FLOW_TYPES=t.MODULESPECIFIER_TYPES=t.EXPORTDECLARATION_TYPES=
t.MODULEDECLARATION_TYPES=t.CLASS_TYPES=t.PATTERN_TYPES=t.UNARYLIKE_TYPES=t.PROP
ERTY_TYPES=t.OBJECTMEMBER_TYPES=t.METHOD_TYPES=t.USERWHITESPACABLE_TYPES=t.IMM
UTABLE_TYPES=t.LITERAL_TYPES=t.TSENTITYNAME_TYPES=t.LVAL_TYPES=t.PATTERNLIKE_TY
PES=t.DECLARATION_TYPES=t.PUREISH_TYPES=t.FUNCTIONPARENT_TYPES=t.FUNCTION_TYPES=t.F
ORXSTATEMENT_TYPES=t.FOR_TYPES=t.EXPRESSIONWRAPPER_TYPES=t.WHILE_TYPES=t.LOOP_T
YPES=t.CONDITIONAL_TYPES=t.COMPLETIONSTATEMENT_TYPES=t.TERMINATORLESS_TYPES=t.S
TATEMENT_TYPES=t.BLOCK_TYPES=t.BLOCKPARENT_TYPES=t.SCOPABLE_TYPES=t.BINARY_TY
PE_S=t.EXPRESSION_TYPES=void 0;var n=r(6);const
i=n.FLIPPED_ALIAS_KEYS.Expression;t.EXPRESSION_TYPES=i;const
s=n.FLIPPED_ALIAS_KEYS.Binary;t.BINARY_TYPES=s;const
a=n.FLIPPED_ALIAS_KEYS.Scopable;t.SCOPABLE_TYPES=a;const
o=n.FLIPPED_ALIAS_KEYS.BlockParent;t.BLOCKPARENT_TYPES=o;const
l=n.FLIPPED_ALIAS_KEYS.Block;t.BLOCK_TYPES=l;const
c=n.FLIPPED_ALIAS_KEYS.Statement;t.STATEMENT_TYPES=c;const
p=n.FLIPPED_ALIAS_KEYS.Terminatorless;t.TERMINATORLESS_TYPES=p;const
u=n.FLIPPED_ALIAS_KEYS.CompletionStatement;t.COMPLETIONSTATEMENT_TYPES=u;const
d=n.FLIPPED_ALIAS_KEYS.Conditional;t.CONDITIONAL_TYPES=d;const
h=n.FLIPPED_ALIAS_KEYS.Loop;t.LOOP_TYPES=h;const
f=n.FLIPPED_ALIAS_KEYS.While;t.WHILE_TYPES=f;const
m=n.FLIPPED_ALIAS_KEYS.ExpressionWrapper;t.EXPRESSIONWRAPPER_TYPES=m;const
y=n.FLIPPED_ALIAS_KEYS.For;t.FOR_TYPES=y;const
T=n.FLIPPED_ALIAS_KEYS.ForXStatement;t.FORXSTATEMENT_TYPES=T;const
b=n.FLIPPED_ALIAS_KEYS.Function;t.FUNCTION_TYPES=b;const
g=n.FLIPPED_ALIAS_KEYS.FunctionParent;t.FUNCTIONPARENT_TYPES=g;const
S=n.FLIPPED_ALIAS_KEYS.Pureish;t.PUREISH_TYPES=S;const
x=n.FLIPPED_ALIAS_KEYS.Declaration;t.DECLARATION_TYPES=x;const
E=n.FLIPPED_ALIAS_KEYS.PatternLike;t.PATTERNLIKE_TYPES=E;const
P=n.FLIPPED_ALIAS_KEYS.LVal;t.LVAL_TYPES=P;const
v=n.FLIPPED_ALIAS_KEYS.TEntityName;t.TENTITYNAME_TYPES=v;const

```

```

A=n.FLIPPED_ALIAS_KEYS.Literal;t.LITERAL_TYPES=A;const
w=n.FLIPPED_ALIAS_KEYS.Immutable;t.IMMUTABLE_TYPES=w;const
O=n.FLIPPED_ALIAS_KEYS.UserWhitespacable;t.USERWHITESPACABLE_TYPES=O;const
I=n.FLIPPED_ALIAS_KEYS.Method;t.METHOD_TYPES=I;const
C=n.FLIPPED_ALIAS_KEYS.ObjectMember;t.OBJECTMEMBER_TYPES=C;const
N=n.FLIPPED_ALIAS_KEYS.Property;t.PROPERTY_TYPES=N;const
k=n.FLIPPED_ALIAS_KEYS.UnaryLike;t.UNARYLIKE_TYPES=k;const
D=n.FLIPPED_ALIAS_KEYS.Pattern;t.PATTERN_TYPES=D;const
_=n.FLIPPED_ALIAS_KEYS.Class;t.CLASS_TYPES=_;const
L=n.FLIPPED_ALIAS_KEYS.ModuleDeclaration;t.MODULEDECLARATION_TYPES=L;const
M=n.FLIPPED_ALIAS_KEYS.ExportDeclaration;t.EXPORTDECLARATION_TYPES=M;const
j=n.FLIPPED_ALIAS_KEYS.ModuleSpecifier;t.MODULESPECIFIER_TYPES=j;const
F=n.FLIPPED_ALIAS_KEYS.Flow;t.FLOW_TYPES=F;const
R=n.FLIPPED_ALIAS_KEYS.FlowType;t.FLOWTYPE_TYPES=R;const
B=n.FLIPPED_ALIAS_KEYS.FlowBaseAnnotation;t.FLOWBASEANNOTATION_TYPES=B;const
U=n.FLIPPED_ALIAS_KEYS.FlowDeclaration;t.FLOWDECLARATION_TYPES=U;const
V=n.FLIPPED_ALIAS_KEYS.FlowPredicate;t.FLOWPREDICATE_TYPES=V;const
K=n.FLIPPED_ALIAS_KEYS.EnumBody;t.ENUMBODY_TYPES=K;const
q=n.FLIPPED_ALIAS_KEYS.EnumMember;t.ENUMMEMBER_TYPES=q;const
Y=n.FLIPPED_ALIAS_KEYS.JSX;t.JSX_TYPES=Y;const
W=n.FLIPPED_ALIAS_KEYS.Private;t.PRIVATE_TYPES=W;const
X=n.FLIPPED_ALIAS_KEYS.TSTypeElement;t.TSTYPEELEMENT_TYPES=X;const
J=n.FLIPPED_ALIAS_KEYS.TSType;t.TSTYPE_TYPES=J;const
H=n.FLIPPED_ALIAS_KEYS.TSBaseType;t.TSBASETYPE_TYPES=H},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){return
e[t]=(0,n.default)(e[t],e);var n=r(113)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){eval"!==(e=(0,n.default)(
e))&&"arguments"!==e||(e=="_"+e);return e};var n=r(114)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t=e.key|e.property){!e.compute
d&&(0,n.isIdentifier)(t)&&(t=(0,i.stringLiteral)(t.name));return t};var n=r(1),i=r(3)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n=r(1),i=function(e){(0,n.isExpressionStatement)(e)&&(e=e.expression);if((0,n.isExpression)(e))return
e;(0,n.isClass)(e)?e.type=="ClassExpression":(0,n.isFunction)(e)&&(e.type=="FunctionExpression");if(!(0,n.i
sExpression)(e))throw new Error(`cannot turn ${e.type} to an expression`);return
e};t.default=i},function(e,t,r){use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=a;var
n=r(1),i=r(16),s=r(115);function a(e,t=e.key){let
r;return"method"===e.kind?a.increment()+""":(r=(0,n.isIdentifier)(t)?t.name:(0,n.isStringLiteral)(t)?JSON.st
ringify(t.value):JSON.stringify((0,s.default)((0,i.default)(t))),e.computed&&(r=`[${r}]`),e.static&&(r=="static"+
r),r)}a.uid=0,a.increment=function(){return
a.uid>=Number.MAX_SAFE_INTEGER?a.uid=0:a.uid++}},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(null==e||e.length)return;c
onst r=[],i=(0,n.default)(e,t,r);if(!i)return;for(const e of r)t.push(e);return i};var n=r(294)},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t,r,o){const l=[],let
c=!0;for(const p of t)if((0,i.isEmptyStatement)(p)||c=!1),(0,i.isExpression)(p))l.push(p);else
if((0,i.isExpressionStatement)(p))l.push(p.expression);else
if((0,i.isVariableDeclaration)(p)){if("var"!==p.kind)return;for(const e of p.declarations){const
t=(0,n.default)(e);for(const e of
Object.keys(t))o.push({kind:p.kind,id:(0,a.default)(t[e])});e.init&&l.push((0,s.assignmentExpression)("=",e.id,e

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init))c=!0}else if((0,i.isIfStatement)(p)){const
t=p.consequent?e([p.consequent],r,o):r.buildUndefinedNode(),n=p.alternate?e([p.alternate],r,o):r.buildUndefinedNode();if(!t||n)return;l.push((0,s.conditionalExpression)(p.test,t,n))}else if((0,i.isBlockStatement)(p)){const
t=e(p.body,r,o);if(!t)return;l.push(t)}else if(!0,i.isEmptyStatement)(p)return;0===t.indexOf(p)&&(c=!0)}c&&l.push(r.buildUndefinedNode());return 1===l.length?l[0):(0,s.sequenceExpression)(l)};var
n=r(37),i=r(1),s=r(3),a=r(16)},function(e,t,r){use
strict}};Object.defineProperty(t, "__esModule", { value: !0 }); t.default = void 0; var
n=r(1),i=r(3),s=function(e,t){if((0,n.isStatement)(e))return e;let
r,s=!1;if((0,n.isClass)(e))s=!0,r="ClassDeclaration";else
if((0,n.isFunction)(e))s=!0,r="FunctionDeclaration";else
if((0,n.isAssignmentExpression)(e))return(0,i.expressionStatement)(e);s&&!e.id&&(r=!1);if(!r){if(t)return!1;throw
new Error(`cannot turn ${e.type} to a statement`)}return e.type=r,e;t.default=s},function(e,t,r){use
strict}};Object.defineProperty(t, "__esModule", { value: !0 }); t.default = void 0; var n=r(24),i=r(3),s=function
e(t){if(void
0===t)return(0,i.identifier)(t,"undefined");if(!0===t||!1===t)return(0,i.booleanLiteral)(t);if(null===t)return(0,i.nullLiteral);if("string"===typeof t)return(0,i.stringLiteral)(t);if("number"===typeof t){let
e;if(Number.isFinite(t))e=(0,i.numericLiteral)(Math.abs(t));else{let
r;r=Number.isNaN(t)?(0,i.numericLiteral)(0):(0,i.numericLiteral)(1),e=(0,i.binaryExpression)(t,r,(0,i.numeric
Literal)(0))}return(t<0||Object.is(t,-0))&&(e=(0,i.unaryExpression)(t,"-",e)),e}if(function(e){return"[object
RegExp]"===a(e)}(t)){const e=t.source,r=t.toString().match(/\/([a-
z]+)\/$/)[1];return(0,i.regExpLiteral)(e,r)}if(Array.isArray(t))return(0,i.arrayExpression)(t.map(e));if(function(e){if(
"object"!==typeof e||null===e||"[object Object]"!==Object.prototype.toString.call(e))return!1;const
t=Object.getPrototypeOf(e);return null===t||null===Object.getPrototypeOf(t)}(t)){const r=[];for(const s of
Object.keys(t)){let
a;a=(0,n.default)(s)?(0,i.identifier)(s):(0,i.stringLiteral)(s),r.push((0,i.objectProperty)(a,e(t[s])))}return(0,i.objectExp
ression)(r)}throw new Error("don't know how to turn this value into a node");t.default=s;const
a=Function.call.bind(Object.prototype.toString),function(e,t,r){use
strict}};Object.defineProperty(t, "__esModule", { value: !0 }); t.default = function(e,t,r=!1){return
e.object=(0,n.memberExpression)(e.object,e.property,e.computed),e.property=t,e.computed=!r,e};var
n=r(3)},function(e,t,r){use
strict}};Object.defineProperty(t, "__esModule", { value: !0 }); t.default = function(e,t){if(!e||t)return e;for(const r of
n.INHERIT_KEYS.optional)null===e[r]&&(e[r]=t[r]);for(const r of
Object.keys(t))"_"===r[0]&&"__clone"!==r&&(e[r]=t[r]);for(const r of
n.INHERIT_KEYS.force)e[r]=t[r];return(0,i.default)(e,t,e)};var n=r(15),i=r(111)},function(e,t,r){use
strict}};Object.defineProperty(t, "__esModule", { value: !0 }); t.default = function(e,t){return
e.object=(0,n.memberExpression)(t,e.object),e};var n=r(3)},function(e,t,r){use
strict}};Object.defineProperty(t, "__esModule", { value: !0 }); t.default = void 0; var
n=r(37),i=function(e,t){return(0,n.default)(e,t,!0)};t.default=i},function(e,t,r){use
strict}};Object.defineProperty(t, "__esModule", { value: !0 }); t.default = function(e,t,r){function(t){const
{enter:i,exit:s}=t;!function e(t,r,i,s,a){const
o=n.VISITOR_KEYS[t.type];if(!o)return;r&&r(t,a,s);for(const n of o){const o=t[n];if(Array.isArray(o))for(let
l=0;l<o.length;l++){const c=o[l];c&&(a.push({node:t,key:n,index:l}),e(c,r,i,s,a),a.pop())}else
o&&(a.push({node:t,key:n}),e(o,r,i,s,a),a.pop())}i&&i(t,a,s)}(e,i,s,r,[])};var n=r(6)},function(e,t,r){use
strict}};Object.defineProperty(t, "__esModule", { value: !0 }); t.default = function(e,t,r){if(r&&"Identifier"===
e.type&&"ObjectProperty"===t.type&&"ObjectExpression"===r.type)return!1;const
i=n.default.keys[t.type];if(i)for(let r=0;r<i.length;r++){const
n=i[r],s=t[n];if(Array.isArray(s)){if(s.indexOf(e)>=0)return!0}else if(s===e)return!0}return!1};var
n=r(37)},function(e,t,r){use

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strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e){return(0,n.isFunctionDeclaration)(e)||((0,n.isClassDeclaration)(e)||((0,i.default)(e)));var n=r(1),i=r(118)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e){if((0,n.default)(e.type,\\\\"Imm
utable\\\\"))return!0;if((0,i.isIdentifier)(e))return\\\\"undefined\\\\"===e.name;return!1};var
n=r(56),i=r(1)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function e(t,r){if(\\\\"object\\\\"!=typeof
t||\\\\"object\\\\"!=typeof r|null==t||null==r)return t===r;if(t.type!==r.type)return!1;const
i=Object.keys(n.NODE_FIELDS[t.type]|t.type),s=n.VISITOR_KEYS[t.type];for(const n of i){if(typeof
t[n]!==typeof
r[n])return!1;if(null!==t[n]||null!==r[n]){if(null==t[n]||null==r[n])return!1;if(Array.isArray(t[n])){if(!Array.isArray(r[n
]))return!1;if(t[n].length!==r[n].length)return!1;for(let i=0;i<t[n].length;i++){if(!e(t[n][i],r[n][i]))return!1}
else if(\\\\"object\\\\"!=typeof t[n]||null!=s&&s.includes(n)){if(!e(t[n],r[n]))return!1}
else for(const e of Object.keys(t[n]))if(t[n][e]!==r[n][e])return!1}}return!0};var n=r(6)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e,t,r){switch(t.type){case\\\\"Mem
berExpression\\\\":case\\\\"JSXMemberExpression\\\\":case\\\\"OptionalMemberExpression\\\\":return
t.property===e?!t.computed:t.object===e;case\\\\"VariableDeclarator\\\\":return
t.init===e;case\\\\"ArrowFunctionExpression\\\\":return
t.body===e;case\\\\"PrivateName\\\\":return!1;case\\\\"ClassMethod\\\\":case\\\\"ClassPrivateMethod\\\\":case\\\\"Object
Method\\\\":if(t.params.includes(e))return!1;case\\\\"ObjectProperty\\\\":case\\\\"ClassProperty\\\\":case\\\\"ClassPrivateP
roperty\\\\":return
t.key===e?!t.computed:t.value!==e||(!r||\\\\"ObjectPattern\\\\"!==r.type);case\\\\"ClassDeclaration\\\\":case\\\\"ClassExp
ression\\\\":return t.superClass===e;case\\\\"AssignmentExpression\\\\":case\\\\"AssignmentPattern\\\\":return
t.right===e;case\\\\"LabeledStatement\\\\":case\\\\"CatchClause\\\\":case\\\\"RestElement\\\\":return!1;case\\\\"BreakState
ment\\\\":case\\\\"ContinueStatement\\\\":return!1;case\\\\"FunctionDeclaration\\\\":case\\\\"FunctionExpression\\\\":return
!1;case\\\\"ExportNamespaceSpecifier\\\\":case\\\\"ExportDefaultSpecifier\\\\":return!1;case\\\\"ExportSpecifier\\\\":retu
rn(null===r||r.source)&&t.local===e;case\\\\"ImportDefaultSpecifier\\\\":case\\\\"ImportNamespaceSpecifier\\\\":case\\\\"
ImportSpecifier\\\\":case\\\\"JSXAttribute\\\\":return!1;case\\\\"ObjectPattern\\\\":case\\\\"ArrayPattern\\\\":case\\\\"MetaPr
operty\\\\":return!1;case\\\\"ObjectTypeProperty\\\\":return t.key!==e;case\\\\"TSEnumMember\\\\":return
t.id===e;case\\\\"TSPropertySignature\\\\":return t.key!==e?!t.computed}return!0}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e,t){if((0,n.isBlockStatement)(e)
&&((0,n.isFunction)(t)||((0,n.isCatchClause)(t)))return!1;if((0,n.isPattern)(e)&&((0,n.isFunction)(t)||((0,n.isCatchClau
se)(t)))return!0;return(0,n.isScopable)(e)};var n=r(1)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e){return(0,n.isImportDefaultSpe
cifier)(e)||((0,n.isIdentifier)(e.imported|e.exported,{name:\\\\"default\\\\"}));var n=r(1)},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e){return(0,n.default)(e)&&!i.has
(e)};var n=r(24);const i=new
Set([\\\\"abstract\\\\",\\\\"boolean\\\\",\\\\"byte\\\\",\\\\"char\\\\",\\\\"double\\\\",\\\\"enum\\\\",\\\\"final\\\\",\\\\"float\\\\",\\\\"goto\\\\",
\\\\"implements\\\\",\\\\"int\\\\",\\\\"interface\\\\",\\\\"long\\\\",\\\\"native\\\\",\\\\"package\\\\",\\\\"private\\\\",\\\\"protected\\\\",\\\\"
public\\\\",\\\\"short\\\\",\\\\"static\\\\",\\\\"synchronized\\\\",\\\\"throws\\\\",\\\\"transient\\\\",\\\\"volatile\\\\"]);function(e,t,r){\\\\"
\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e){return(0,n.isVariableDeclarati
on)(e,{kind:\\\\"var\\\\"})&&!e[i.BLOCK_SCOPED_SYMBOL]};var
n=r(1),i=r(15)},function(e,t){},function(e,t,r){\\\\"use
strict\\\\";e.exports=r(313)},function(e){e.exports=JSON.parse('{\\\\"builtin\\\\": {\\\\"Array\\\\": false, \\\\"ArrayBuffer\\\\":
false, \\\\"Atomics\\\\": false, \\\\"BigInt\\\\": false, \\\\"BigInt64Array\\\\": false, \\\\"BigUint64Array\\\\": false, \\\\"Boolean\\\\": f
alse, \\\\"constructor\\\\": false, \\\\"Data View\\\\": false, \\\\"Date\\\\": false, \\\\"decodeURI\\\\": false, \\\\"decodeURIComponent
t\\\\": false, \\\\"encodeURIComponent\\\\": false, \\\\"encodeURIComponent\\\\": false, \\\\"Error\\\\": false, \\\\"escape\\\\": false, \\\\"eval\\\\":
false, \\\\"EvalError\\\\": false, \\\\"Float32Array\\\\": false, \\\\"Float64Array\\\\": false, \\\\"Function\\\\": false, \\\\"globalThis\\\\"

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:false,|||"hasOwnProperty||":false,|||"Infinity||":false,|||"Int16Array||":false,|||"Int32Array||":false,|||"Int8Array||":false,|||"isFinite||":false,|||"isNaN||":false,|||"isPrototypeOf||":false,|||"JSON||":false,|||"Map||":false,|||"Math||":false,|||"NaN||":false,|||"Number||":false,|||"Object||":false,|||"parseFloat||":false,|||"parseInt||":false,|||"Promise||":false,|||"propertyIsEnumerable||":false,|||"Proxy||":false,|||"RangeError||":false,|||"ReferenceError||":false,|||"Reflect||":false,|||"RegExp||":false,|||"Set||":false,|||"SharedArrayBuffer||":false,|||"String||":false,|||"Symbol||":false,|||"SyntaxError||":false,|||"toLocaleString||":false,|||"toString||":false,|||"TypeError||":false,|||"Uint16Array||":false,|||"Uint32Array||":false,|||"Uint8Array||":false,|||"Uint8ClampedArray||":false,|||"undefined||":false,|||"unescape||":false,|||"URIError||":false,|||"valueOf||":false,|||"WeakMap||":false,|||"WeakSet||":false},|||"es5||":{|||"Array||":false,|||"Boolean||":false,|||"constructor||":false,|||"Date||":false,|||"decodeURI||":false,|||"decodeURIComponent||":false,|||"encodeURI||":false,|||"encodeURIComponent||":false,|||"Error||":false,|||"escape||":false,|||"eval||":false,|||"EvalError||":false,|||"Function||":false,|||"hasOwnProperty||":false,|||"Infinity||":false,|||"isFinite||":false,|||"isNaN||":false,|||"isPrototypeOf||":false,|||"JSON||":false,|||"Math||":false,|||"NaN||":false,|||"Number||":false,|||"Object||":false,|||"parseFloat||":false,|||"parseInt||":false,|||"propertyIsEnumerable||":false,|||"RangeError||":false,|||"ReferenceError||":false,|||"RegExp||":false,|||"String||":false,|||"SyntaxError||":false,|||"toLocaleString||":false,|||"toString||":false,|||"TypeError||":false,|||"undefined||":false,|||"unescape||":false,|||"URIError||":false,|||"valueOf||":false},|||"es2015||":{|||"Array||":false,|||"ArrayBuffer||":false,|||"Boolean||":false,|||"constructor||":false,|||"DataView||":false,|||"Date||":false,|||"decodeURI||":false,|||"decodeURIComponent||":false,|||"encodeURI||":false,|||"encodeURIComponent||":false,|||"Error||":false,|||"escape||":false,|||"eval||":false,|||"EvalError||":false,|||"Float32Array||":false,|||"Float64Array||":false,|||"Function||":false,|||"hasOwnProperty||":false,|||"Infinity||":false,|||"Int16Array||":false,|||"Int32Array||":false,|||"Int8Array||":false,|||"isFinite||":false,|||"isNaN||":false,|||"isPrototypeOf||":false,|||"JSON||":false,|||"Map||":false,|||"Math||":false,|||"NaN||":false,|||"Number||":false,|||"Object||":false,|||"parseFloat||":false,|||"parseInt||":false,|||"Promise||":false,|||"propertyIsEnumerable||":false,|||"Proxy||":false,|||"RangeError||":false,|||"ReferenceError||":false,|||"Reflect||":false,|||"RegExp||":false,|||"Set||":false,|||"String||":false,|||"Symbol||":false,|||"SyntaxError||":false,|||"toLocaleString||":false,|||"toString||":false,|||"TypeError||":false,|||"Uint16Array||":false,|||"Uint32Array||":false,|||"Uint8Array||":false,|||"Uint8ClampedArray||":false,|||"undefined||":false,|||"unescape||":false,|||"URIError||":false,|||"valueOf||":false,|||"WeakMap||":false,|||"WeakSet||":false},|||"es2017||":{|||"Array||":false,|||"ArrayBuffer||":false,|||"Atomics||":false,|||"Boolean||":false,|||"constructor||":false,|||"DataView||":false,|||"Date||":false,|||"decodeURI||":false,|||"decodeURIComponent||":false,|||"encodeURI||":false,|||"encodeURIComponent||":false,|||"Error||":false,|||"escape||":false,|||"eval||":false,|||"EvalError||":false,|||"Float32Array||":false,|||"Float64Array||":false,|||"Function||":false,|||"hasOwnProperty||":false,|||"Infinity||":false,|||"Int16Array||":false,|||"Int32Array||":false,|||"Int8Array||":false,|||"isFinite||":false,|||"isNaN||":false,|||"isPrototypeOf||":false,|||"JSON||":false,|||"Map||":false,|||"Math||":false,|||"NaN||":false,|||"Number||":false,|||"Object||":false,|||"parseFloat||":false,|||"parseInt||":false,|||"Promise||":false,|||"propertyIsEnumerable||":false,|||"Proxy||":false,|||"RangeError||":false,|||"ReferenceError||":false,|||"Reflect||":false,|||"RegExp||":false,|||"Set||":false,|||"SharedArrayBuffer||":false,|||"String||":false,|||"Symbol||":false,|||"SyntaxError||":false,|||"toLocaleString||":false,|||"toString||":false,|||"TypeError||":false,|||"Uint16Array||":false,|||"Uint32Array||":false,|||"Uint8Array||":false,|||"Uint8ClampedArray||":false,|||"undefined||":false,|||"unescape||":false,|||"URIError||":false,|||"valueOf||":false,|||"WeakMap||":false,|||"WeakSet||":false},|||"browser||":{|||"AbortController||":false,|||"AbortSignal||":false,|||"addEventListener||":false,|||"alert||":false,|||"AnalyserNode||":false,|||"Animation||":false,|||"AnimationEffectReadOnly||":false,|||"AnimationEffectTiming||":false,|||"AnimationEffectTimingReadOnly||":false,|||"AnimationEvent||":false,|||"AnimationPlaybackEvent||":false,|||"AnimationTimeline||":false,|||"applicationCache||":false,|||"ApplicationCache||":false,|||"ApplicationCacheErrorEvent||":false,|||"atob||":false,|||"Attr||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t=n.getArg(e,\\\\"offset\\\\"),r=n.getArg(t,\\\\"line\\\\"),i=n.getArg(t,\\\\"column\\\\"");if(r<a.line||r===a.line&&i<a.column
)throw new Error(\\\\"Section offsets must be ordered and non-overlapping.\\\\"");return
a=t,{generatedOffset:{generatedLine:r+1,generatedColumn:i+1},consumer:new
l(n.getArg(e,\\\\"map\\\\"))}})}l.fromSourceMap=function(e){return
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pe._charIsMappingSeparator=function(e,t){var
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LEAST_UPPER_BOUND=2,l.prototype.eachMapping=function(e,t,r){var
i,s=t||null;switch(r||l.GENERATED_ORDER){case
l.GENERATED_ORDER:i=this._generatedMappings;break;case
l.ORIGINAL_ORDER:i=this._originalMappings;break;default:throw new Error(\\\\"Unknown order of
iteration.\\\\"")}var a=this.sourceRoot;i.map((function(e){var t=null===e.source?null:this._sources.at(e.source);return
null!=t&&null!=a&&(t=n.join(a,t)),{source:t,generatedLine:e.generatedLine,generatedColumn:e.generatedColumn,
originalLine:e.originalLine,originalColumn:e.originalColumn,name:null===e.name?null:this._names.at(e.name)}}),
this).forEach(e,s)},l.prototype.allGeneratedPositionsFor=function(e){var
t=n.getArg(e,\\\\"line\\\\"),r={source:n.getArg(e,\\\\"source\\\\"),originalLine:t,originalColumn:n.getArg(e,\\\\"column\\\\"
",0)};if(null!=this.sourceRoot&&(r.source=n.relative(this.sourceRoot,r.source)),!this._sources.has(r.source))return[]
;r.source=this._sources.indexOf(r.source);var
s=[],a=this._findMapping(r,this._originalMappings,\\\\"originalLine\\\\"",\\\\"originalColumn\\\\"",n.compareByOriginalP
ositions,i.LEAST_UPPER_BOUND);if(a>=0){var o=this._originalMappings[a];if(void 0===e.column)for(var
l=o.originalLine;o&&o.originalLine===l;s.push({line:n.getArg(o,\\\\"generatedLine\\\\"",null),column:n.getArg(o,\\\\"
generatedColumn\\\\"",null),lastColumn:n.getArg(o,\\\\"lastGeneratedColumn\\\\"",null)}),o=this._originalMappings[+
+a];else for(var
c=o.originalColumn;o&&o.originalLine===t&&o.originalColumn===c;s.push({line:n.getArg(o,\\\\"generatedLine\\\\"
",null),column:n.getArg(o,\\\\"generatedColumn\\\\"",null),lastColumn:n.getArg(o,\\\\"lastGeneratedColumn\\\\"",null)}),
o=this._originalMappings[+a]}return
s},t.SourceMapConsumer=l,c.prototype=Object.create(l.prototype),c.prototype.consumer=l,c.fromSourceMap=funct
ion(e){var
t=Object.create(c.prototype),r=t._names=s.fromArray(e._names.toArray(),!0),i=t._sources=s.fromArray(e._sources.t
oArray(),!0);t.sourceRoot=e._sourceRoot,t.sourcesContent=e._generateSourcesContent(t._sources.toArray(),t.source
Root),t.file=e._file;for(var
a=e._mappings.toArray().slice(),l=t.__generatedMappings=[],u=t.__originalMappings=[],d=0,h=a.length;d<h;d++){
var f=a[d],m=new
p;m.generatedLine=f.generatedLine,m.generatedColumn=f.generatedColumn,f.source&&(m.source=i.indexOf(f.sou
rce),m.originalLine=f.originalLine,m.originalColumn=f.originalColumn,f.name&&(m.name=r.indexOf(f.name)),u.p
ush(m)),l.push(m)}return
o(t.__originalMappings,n.compareByOriginalPositions),t},c.prototype._version=3,Object.defineProperty(c.prototyp
e,\\\\"sources\\\\"",{get:function(){return this._sources.toArray().map((function(e){return
null!=this.sourceRoot?n.join(this.sourceRoot,e):e}),this)}},c.prototype._parseMappings=function(e,t){for(var
r,i,s,l,c,u=1,d=0,h=0,f=0,m=0,y=0,T=e.length,b=0,g={},S={},x=[],E=[];b<T;if(\\\\";\\\\"===e.charAt(b))u++,b++,d=
0;else if(\\\\"\\\\"===e.charAt(b))b++;else{for((r=new
p).generatedLine=u,l=b;l<T&&!this._charIsMappingSeparator(e,l);l++);if(s=g[i=e.slice(b,l)])b+=i.length;else{for(s

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= []; b < 1; a.decode(e, b, S), c = S.value, b = S.rest, s.push(c); if (2 === s.length) throw new Error(\\\\"Found a source, but no
line and column\\"); if (3 === s.length) throw new Error(\\\\"Found a source and line, but no
column\\"); g[i] = s; r.generatedColumn = d + s[0], d = r.generatedColumn, s.length > 1 && (r.source = m + s[1], m += s[1], r.origi
nalLine = h + s[2], h = r.originalLine, r.originalLine += 1, r.originalColumn = f + s[3], f = r.originalColumn, s.length > 4 && (r.n
ame = y + s[4], y += s[4])), E.push(r), \\\\"number\\\\" == typeof
r.originalLine && x.push(r) } o(E, n.compareByGeneratedPositionsDeflated), this.__generatedMappings = E, o(x, n.comp
areByOriginalPositions), this.__originalMappings = x }, c.prototype._findMapping = function(e, t, r, n, s, a) { if (e[r] <= 0) thro
w new TypeError(\\\\"Line must be greater than or equal to 1, got \\\" + e[r]); if (e[n] < 0) throw new
TypeError(\\\\"Column must be greater than or equal to 0, got \\\" + e[n]); return
i.search(e, t, s, a), c.prototype.computeColumnSpans = function() { for (var
e = 0; e < this._generatedMappings.length; ++e) { var
t = this._generatedMappings[e]; if (e + 1 < this._generatedMappings.length) { var
r = this._generatedMappings[e + 1]; if (t.generatedLine === r.generatedLine) { t.lastGeneratedColumn = r.generatedColumn
- 1; continue } t.lastGeneratedColumn = 1 / 0 } }, c.prototype.originalPositionFor = function(e) { var
t = { generatedLine: n.getArg(e, \\\\"line\\\\"), generatedColumn: n.getArg(e, \\\\"column\\\\"), r = this._findMapping(t, this._g
eneratedMappings, \\\\"generatedLine\\\\" , \\\\"generatedColumn\\\\" , n.compareByGeneratedPositionsDeflated, n.getArg(
e, \\\\"bias\\\\" , 1.GREATEST_LOWER_BOUND)); if (r >= 0) { var
i = this._generatedMappings[r]; if (i.generatedLine === t.generatedLine) { var
s = n.getArg(i, \\\\"source\\\\" , null); null !== s && (s = this._sources.at(s), null !== this.sourceRoot && (s = n.join(this.sourceRoo
t, s))); var a = n.getArg(i, \\\\"name\\\\" , null); return
null !== a && (a = this._names.at(a)), { source: s, line: n.getArg(i, \\\\"originalLine\\\\" , null), column: n.getArg(i, \\\\"originalC
olumn\\\\" , null), name: a } } } return { source: null, line: null, column: null, name: null } }, c.prototype.hasContentsOfAllSource
s = function() { return !!(this.sourcesContent && (this.sourcesContent.length >= this._sources.size()) && !this.sourcesConte
nt.some((function(e) { return null === e }))) }, c.prototype.sourceContentFor = function(e, t) { if (!this.sourcesContent) return
null; if (null !== this.sourceRoot && (e = n.relative(this.sourceRoot, e)), this._sources.has(e)) return
this.sourcesContent[this._sources.indexOf(e)]; var r; if (null !== this.sourceRoot && (r = n.urlParse(this.sourceRoot))) { var
i = e.replace(/^file:\/\\\/\\\/, \\\\"\\\\" ); if (\\\\"file\\\\" == r.scheme && this._sources.has(i)) return
this.sourcesContent[this._sources.indexOf(i)]; if (!r.path || \\\\"^\\\\" == r.path) && this._sources.has(\\\\"^\\\\" + e)) return
this.sourcesContent[this._sources.indexOf(\\\\"^\\\\" + e)]; if (t) return null; throw new Error(\\\\"^\\\\" + e + \\\\" is not in the
SourceMap.\\") }, c.prototype.generatedPositionFor = function(e) { var
t = n.getArg(e, \\\\"source\\\\" ); if (null !== this.sourceRoot && (t = n.relative(this.sourceRoot, t)), !this._sources.has(t)) return { l
ine: null, column: null, lastColumn: null }; var
r = { source: t = this._sources.indexOf(t), originalLine: n.getArg(e, \\\\"line\\\\" ), originalColumn: n.getArg(e, \\\\"column\\\\" )
}, i = this._findMapping(r, this._originalMappings, \\\\"originalLine\\\\" , \\\\"originalColumn\\\\" , n.compareByOriginalPosi
tions, n.getArg(e, \\\\"bias\\\\" , 1.GREATEST_LOWER_BOUND)); if (i >= 0) { var
s = this._originalMappings[i]; if (s.source === r.source) return { line: n.getArg(s, \\\\"generatedLine\\\\" , null), column: n.getA
rg(s, \\\\"generatedColumn\\\\" , null), lastColumn: n.getArg(s, \\\\"lastGeneratedColumn\\\\" , null) } } return { line: null, colum
n: null, lastColumn: null } }, t.BasicSourceMapConsumer = c, u.prototype = Object.create(l.prototype), u.prototype.constructor = l, u.prototype._version = 3, Object.defineProperty(u.prototype, \\\\"sources\\\\" , { get: function() { for (var
e = [], t = 0; t < this._sections.length; t++) for (var
r = 0; r < this._sections[t].consumer.sources.length; r++) e.push(this._sections[t].consumer.sources[r]); return
e } }, u.prototype.originalPositionFor = function(e) { var
t = { generatedLine: n.getArg(e, \\\\"line\\\\" ), generatedColumn: n.getArg(e, \\\\"column\\\\" ) }, r = i.search(t, this._sections, (fu
nction(e, t) { var r = e.generatedLine - t.generatedOffset.generatedLine; return r | e.generatedColumn -
t.generatedOffset.generatedColumn })), s = this._sections[r]; return
s ? s.consumer.originalPositionFor({ line: t.generatedLine - (s.generatedOffset.generatedLine
- 1), column: t.generatedColumn -
(s.generatedOffset.generatedLine === t.generatedLine ? s.generatedOffset.generatedColumn -

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1:0),bias:e.bias}):{source:null,line:null,column:null,name:null}},u.prototype.hasContentsOfAllSources=function(){r
return this._sections.every((function(e){return
e.consumer.hasContentsOfAllSources()})),u.prototype.sourceContentFor=function(e,t){for(var
r=0;r<this._sections.length;r++){var n=this._sections[r].consumer.sourceContentFor(e,!0);if(n)return n}if(t)return
null;throw new Error("\\""+e+"\\" is not in the SourceMap.')}},u.prototype.generatedPositionFor=function(e){for(var
t=0;t<this._sections.length;t++){var r=this._sections[t];if(-
1!==r.consumer.sources.indexOf(n.getArg(e,\\"source\\"))){var
i=r.consumer.generatedPositionFor(e);if(i)return {line:i.line+(r.generatedOffset.generatedLine-
1),column:i.column+(r.generatedOffset.generatedLine===i.line?r.generatedOffset.generatedColumn-
1:0)}}}return {line:null,column:null}},u.prototype._parseMappings=function(e,t){this.__generatedMappings=[],this.
__originalMappings=[];for(var r=0;r<this._sections.length;r++)for(var
i=this._sections[r],s=i.consumer._generatedMappings,a=0;a<s.length;a++){var
l=s[a],c=i.consumer._sources.at(l.source);null!==i.consumer.sourceRoot&&(c=n.join(i.consumer.sourceRoot,c)),thi
s._sources.add(c),c=this._sources.indexOf(c);var
p=i.consumer._names.at(l.name);this._names.add(p),p=this._names.indexOf(p);var
u={source:c,generatedLine:l.generatedLine+(i.generatedOffset.generatedLine-
1),generatedColumn:l.generatedColumn+(i.generatedOffset.generatedLine===l.generatedLine?i.generatedOffset.ge
neratedColumn-
1:0),originalLine:l.originalLine,originalColumn:l.originalColumn,name:p};this.__generatedMappings.push(u),\\"nu
mber\\"==typeof
u.originalLine&&this.__originalMappings.push(u)}o(this.__generatedMappings,n.compareByGeneratedPositionsD
eflated),o(this.__originalMappings,n.compareByOriginalPositions)},t.IndexedSourceMapConsumer=u},function(e,t
){t.GREATEST_LOWER_BOUND=1,t.LEAST_UPPER_BOUND=2,t.search=function(e,r,n,i){if(0===r.length)ret
urn-1;var s=function e(r,n,i,s,a,o){var l=Math.floor((n-r)/2)+r,c=a(i,s[l],!0);return 0===c?!>c?>n-
l>1?e(l,n,i,s,a,o):o===t.LEAST_UPPER_BOUND?n<s.length?n-1:l:l-
r>1?e(r,l,i,s,a,o):o===t.LEAST_UPPER_BOUND?!r<0?-1:r}(-
1,r.length,e,r,n,i)||t.GREATEST_LOWER_BOUND);if(s<0)return-1;for(;s-1>=0&&0===n(r[s],r[s-1],!0);)--s;return
s}},function(e,t){function r(e,t,r){var n=e[t];e[t]=e[r],e[r]=n}function n(e,t,i,s){if(i<s){var a=i-
1;r(e,(p=i,u=s,Math.round(p+Math.random()*(u-p))),s);for(var
o=e[s],l=i;l<s;l++)t(e[l],o)<=0&&r(e,a+1,l);r(e,a+1,l);var c=a+1;n(e,t,i,c-1),n(e,t,c+1,s)}var
p,u}t.quickSort=function(e,t){n(e,t,0,e.length-1)},function(e,t,r){var
n=r(119).SourceMapGenerator,i=r(25),s=/(\\"r?\\n)/,a=\\"$$$isSourceNode$$$\\";function
o(e,t,r,n,i){this.children=[],this.sourceContents={},this.line=null===e?null:e,this.column=null===t?null:t,this.source=
null===r?null:r,this.name=null===i?null:i,this[a]=!0,null!==n&&this.add(n)}o.fromSourceMap=function(e,t,
r){var n=new o,a=e.split(s),l=0,c=function(){return e()+(e()\\\\"\\\\"");function e(){return l<a.length?a[l++]:void
0}},p=1,u=0,d=null;return t.eachMapping((function(e){if(null===d){if(!(p<e.generatedLine)){var
t=(r=a[l]).substr(0,e.generatedColumn-u);return a[l]=r.substr(e.generatedColumn-
u),u=e.generatedColumn,h(d,t),void(d=e)}h(d,c()),p++,u=0}for(;p<e.generatedLine;)n.add(c()),p++;if(u<e.generat
edColumn){var
r=a[l];n.add(r.substr(0,e.generatedColumn)),a[l]=r.substr(e.generatedColumn),u=e.generatedColumn}d=e}),this),l<a
.length&&(d&&h(d,c)),n.add(a.splice(l).join(\\"\\\\"))),t.sources.forEach((function(e){var
s=t.sourceContentFor(e);null!=s&&(null!=r&&(e=i.join(r,e)),n.setSourceContent(e,s))),n,function
h(e,t){if(null===e||void 0===e.source)n.add(t);else{var s=r?i.join(r,e.source):e.source;n.add(new
o(e.originalLine,e.originalColumn,s,t,e.name))}}},o.prototype.add=function(e){if(Array.isArray(e))e.forEach((func
tion(e){this.add(e)}),this);else{if(!e[a]&&\\"string\\"!=typeof e)throw new TypeError("\\"Expected a SourceNode,
string, or an array of SourceNodes and strings. Got \\""+e);e&&this.children.push(e)}return
this},o.prototype.prepend=function(e){if(Array.isArray(e))for(var t=e.length-1;t>=0;t--
)this.prepend(e[t]);else{if(!e[a]&&\\"string\\"!=typeof e)throw new TypeError("\\"Expected a SourceNode, string,

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or an array of SourceNodes and strings. Got \\\")+e);this.children.unshift(e)}return
this},o.prototype.walk=function(e){for(var
t,r=0,n=this.children.length;r<n;r++)(t=this.children[r])[a]?t.walk(e):\\"\\\"!=\"t&&e(t,{source:this.source,line:this.li
ne,column:this.column,name:this.name})),o.prototype.join=function(e){var
t,r,n=this.children.length;if(n>0){for(t=[],r=0;r<n-
1;r++)t.push(this.children[r]),t.push(e);t.push(this.children[r]),this.children=t}return
this},o.prototype.replaceRight=function(e,t){var r=this.children[this.children.length-1];return
r[a]?r.replaceRight(e,t):\\"\\\"string\\\"\"==typeof r?this.children[this.children.length-
1]=r.replace(e,t):this.children.push(\\"\\\".replace(e,t)),this},o.prototype.setSourceContent=function(e,t){this.source
Contents[i.toSetString(e)]=t},o.prototype.walkSourceContents=function(e){for(var
t=0,r=this.children.length;t<r;t++)this.children[t][a]&&this.children[t].walkSourceContents(e);var
n=Object.keys(this.sourceContents);for(t=0,r=n.length;t<r;t++)e(i.fromSetString(n[t]),this.sourceContents[n[t]]),o.
prototype.toString=function(){var e=\\"\\\";return
this.walk((function(t){e+=t})),e},o.prototype.toStringWithSourceMap=function(e){var
t={code:\\"\\\",line:1,column:0},r=new n(e),i=!1,s=null,a=null,o=null,l=null;return
this.walk((function(e,n){t.code+=e,null!=\"n.source&&null!=\"n.line&&null!=\"n.column?(s===n.source&&a===n.l
ine&&o===n.column&&l===n.name|r.addMapping({source:n.source,original:{line:n.line,column:n.column},gener
ated:{line:t.line,column:t.column},name:n.name}),s=n.source,a=n.line,o=n.column,l=n.name,i=!0):i&&(r.addMappi
ng({generated:{line:t.line,column:t.column}),s=null,i=!1});for(var
c=0,p=e.length;c<p;c++)10===e.charCodeAt(c)?(t.line++,t.column=0,c+1===p?(s=null,i=!1):i&&r.addMapping({s
ource:n.source,original:{line:n.line,column:n.column},generated:{line:t.line,column:t.column},name:n.name)):t.col
umn++)),this.walkSourceContents((function(e,t){r.setSourceContent(e,t)})),{code:t.code,map:r}},t.SourceNode=o
},function(e,t,r){\\"\\\"use strict\\\";Object.defineProperty(t,\\"\\\"__esModule\\\"\",{value:!0}),t.default=void 0;var
n,i=(n=r(324))&&n.__esModule?n:{default:n},s=c(r(122)),a=c(r(0)),o=c(r(327));function
l(){if(\\"\\\"function\\\"\"!=typeof WeakMap)return null;var e=new WeakMap;return l=function(){return e},e}function
c(e){if(e&&e.__esModule)return e;if(null===e|\\"\\\"object\\\"\"!=typeof e&&\\"\\\"function\\\"\"!=typeof
e)return{default:e};var t=l();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}return
r.default=e,t&&t.set(e,r,r)}const p=/e/i,u=/^\\$.d=/^0[box]/,h=/^\\s*[@#]__PURE__\\s*$/;class
f{constructor(e,t){this.inForStatementInitCounter=0,this._printStack=[],this._indent=0,this._insideAux=!1,this._prin
tedCommentStarts={},this._parenPushNewLineState=null,this._noLineTerminator=!1,this._printAuxAfterOnNextUs
erNode=!1,this._printedComments=new
WeakSet,this._endsWithInteger=!1,this._endsWithWord=!1,this.format=e|{|},this._buf=new
i.default(t)}generate(e){return
this.print(e),this._maybeAddAuxComment(),this._buf.get()}indent(){this.format.compact||this.format.concise||this._i
ndent++}dedent(){this.format.compact||this.format.concise||this._indent--
}semicolon(e=!1){this._maybeAddAuxComment(),this._append(\\"\\\";\\\"\",!e)}rightBrace(){this.format.minified&&thi
s._buf.removeLastSemicolon(),this.token(\\"\\\"}\\\"\\\"))space(e=!1){this.format.compact||this._buf.hasContent()&&!thi
s.endsWith(\\"\\\"
\\\"\\\"))&&!this.endsWith(\\"\\\"n\\\"\\\"))|e)&&this._space()}word(e){(this._endsWithWord||this.endsWith(\\"\\\"^\\\"))&&0=
=e.indexOf(\\"\\\"^\\\"))&&this._space(),this._maybeAddAuxComment(),this._append(e),this._endsWithWord=!0}nu
mber(e){this.word(e),this._endsWithInteger=Number.isInteger(+e)&&!d.test(e)&&!p.test(e)&&!u.test(e)&&\\"\\\".\\\"\\\"
!=\"e[e.length-1]}token(e){(\\"\\\"--\\\"\"===e&&this.endsWith(\\"\\\"!\\\"\\\"))|\\\"\\\"+\\\"\\\"===e[0]&&this.endsWith(\\"\\\"+\\\"\\\"))|\\\"\\\"-
\\\"\\\"===e[0]&&this.endsWith(\\"\\\"-
\\\"\\\"))|\\\"\\\".\\\"\\\"===e[0]&&this._endsWithInteger}&&this._space(),this._maybeAddAuxComment(),this._append(e)}ne
wline(e){if(!this.format.retainLines&&!this.format.compact)if(this.format.concise)this.space();else

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if(!(this.endsWith("\\\\n\\n\\n"))||(\\\\"number\\"!=typeof
e&&(e=1),e=Math.min(2,e),(this.endsWith(\\\\"{\\n\\n}\\n\\n")||this.endsWith(\\\\"":\\n\\n\\n"))&&e--,e<=0)))for(let
t=0;t<e;t++)this._newline()}endsWith(e){return
this._buf.endsWith(e)}removeTrailingNewline(){this._buf.removeTrailingNewline()}exactSource(e,t){this._catchUp(
p(\\\\"start\\"",e),this._buf.exactSource(e,t)}source(e,t){this._catchUp(e,t),this._buf.source(e,t)}withSource(e,t,r){this.
_catchUp(e,t),this._buf.withSource(e,t,r)}_space(){this._append(\\\\"
\\\\",!0)}_newline(){this._append(\\\\"\\n\\\\",!0)}_append(e,t=!1){this._maybeAddParen(e),this._maybeIndent(e),t?th
is._buf.queue(e):this._buf.append(e),this._endsWithWord=!1,this._endsWithInteger=!1}_maybeIndent(e){this._inde
nt&&this.endsWith(\\\\"\\n\\n\\n")&&\\\\"\\n\\n\\n\\\\"!==(e[0]&&this._buf.queue(this._getIndent()))_maybeAddParen(e){co
nst t=this._parenPushNewlineState;if(!t)return;let r;for(r=0;r<e.length&&\\\\"
\\\\"===e[r];r++)continue;if(r===e.length)return;const
n=e[r];if(\\\\"\\n\\n\\n\\\\"!==(n))if(\\\\"\\n\\n\\n\\\\"!==(n+r+1===e.length))return void(this._parenPushNewlineState=null);const
t=e[r+1];if(\\\\"*\\\\"===t){if(h.test(e.slice(r+2,e.length-2)))return}else if(\\\\"\\n\\n\\n\\\\"!==(t))return
void(this._parenPushNewlineState=null)}this.token(\\\\"(\\\\"),this.indent(),t.printed=!0}_catchUp(e,t){if(!this.format.
retainLines)return;const r=t?t[e]:null;if(null!=(null==r?void 0:r.line)){const e=r.line-
this._buf.getCurrentLine();for(let t=0;t<e;t++)this._newline()}}_getIndent(){return
this.format.indent.style.repeat(this._indent)}startTerminatorless(e=!1){return
e?(this._noLineTerminator=!0,null):this._parenPushNewlineState={printed:!1}}endTerminatorless(e){this._noLine
Terminator=!1,(null==e?void
0:e.printed)&&(this.dedent(),this.newline(),this.token(\\\\")\\\\"))}print(e,t){if(!e)return;const
r=this.format.concise;e._compact&&(this.format.concise=!0);const n=this[e.type];if(!n)throw new
ReferenceError(`unknown node of type ${JSON.stringify(e.type)} with constructor ${JSON.stringify(null==e?void
0:e.constructor.name)}`);this._printStack.push(e);const
i=this._insideAux;this._insideAux=!e.loc,this._maybeAddAuxComment(this._insideAux&&!i);let
o=s.needsParens(e,t,this._printStack);this.format.retainFunctionParens&&\\\\"FunctionExpression\\\\"===e.type&&e.
extra&&e.extra.parenthesized&&(o=!0),o&&this.token(\\\\"(\\\\"),this._printLeadingComments(e);const
l=a.isProgram(e)||a.isFile(e)?null:e.loc;this.withSource(\\\\"start\\"",l,(()=>{n.call(this,e,t)}),this._printTrailingComme
nts(e),o&&this.token(\\\\")\\\\"),this._printStack.pop(),this.format.concise=r,this._insideAux=i)}_maybeAddAuxCom
ment(e){e&&this._printAuxBeforeComment(),this._insideAux||this._printAuxAfterComment()}_printAuxBeforeCo
mment(){if(this._printAuxAfterOnNextUserNode)return;this._printAuxAfterOnNextUserNode=!0;const
e=this.format.auxiliaryCommentBefore;e&&this._printComment({type:\\\\"CommentBlock\\\\"",value:e})}_printAux
AfterComment(){if(!this._printAuxAfterOnNextUserNode)return;this._printAuxAfterOnNextUserNode=!1;const
e=this.format.auxiliaryCommentAfter;e&&this._printComment({type:\\\\"CommentBlock\\\\"",value:e})}getPossible
Raw(e){const t=e.extra;if(t&&null!=t.raw&&null!=t.rawValue&&e.value===t.rawValue)return
t.raw}printJoin(e,t,r={}){if(!(null==e?void 0:e.length))return;r.indent&&this.indent();const
n={addNewlines:r.addNewlines};for(let i=0;i<e.length;i++){const
s=e[i];s&&(r.statement&&this._printNewline(!0,s,t,n),this.print(s,t),r.iterator&&r.iterator(s,i),r.separator&&i<e.len
gth-
1&&r.separator.call(this),r.statement&&this._printNewline(!1,s,t,n))}r.indent&&this.dedent()}printAndIndentOnCo
mments(e,t){const
r=e.leadingComments&&e.leadingComments.length>0;r&&this.indent(),this.print(e,t),r&&this.dedent()}printBlock
(e){const
t=e.body;a.isEmptyStatement(t)||this.space(),this.print(t,e)}_printTrailingComments(e){this._printComments(this._g
etComments(!1,e))}_printLeadingComments(e){this._printComments(this._getComments(!0,e,!0)}printInnerCom
ments(e,t=!0){var r;(null==(r=e.innerComments)?void
0:r.length)&&(t&&this.indent(),this._printComments(e.innerComments),t&&this.dedent())}printSequence(e,t,r={})
{return r.statement=!0,this.printJoin(e,t,r)}printList(e,t,r={}){return
null==r.separator&&(r.separator=m),this.printJoin(e,t,r)}_printNewline(e,t,r,n){if(this.format.retainLines||this.forma

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t.compact)return;if(this.format.concise)return void this.space();let
i=0;if(this._buf.hasContent()){e||i++,n.addNewLines(e)&&(i+=n.addNewLines(e,t)||0);(e?s.needsWhitespaceBefore:s.needsWhitespaceAfter)(t,r)&&i++}this.newline(i)}_getComments(e,t){return
t&&(e?t.leadingComments:t.trailingComments)||[]}_printComment(e,t){if(!this.format.shouldPrintComment(e.value))return;if(e.ignore)return;if(this._printedComments.has(e))return;if(this._printedComments.add(e,null!=e.start){if
(this._printedCommentStarts[e.start])return;this._printedCommentStarts[e.start]=!0}const
r=\\\"CommentBlock\\\"===e.type,n=r&&!t&&!this._noLineTerminator;n&&this._buf.hasContent()&&this.newline
(1),this.endsWith(\\\"[\\\"]\\\")this.endsWith(\\\"{\\}\\\")this.space();let
i=r||this._noLineTerminator?/*$ {e.value}*/^:/$ {e.value}\\\\n`};if(r&&this.format.indent.adjustMultilineComment)
{var s;const t=null==(s=e.loc)?void 0:s.start.column;if(t){const e=new
RegExp(\\\"\\\\\\\\\\\\\\\\n\\\\\\\\\\\\\\\\s{1,\\\\\\\\+t+\\\\\\\\}\\\"\\\\\\\\,\\\"g\\\\\\\\\");i=i.replace(e,\\\"\\\\\\\\n\\\\\\\\\")}const
r=Math.max(this._getIndent().length,this.format.retainLines?0:this._buf.getCurrentColumn());i=i.replace(\\\"\\\\n(?!$)/
g,\\\"\\\\n\\\\n\\\\+\\\\\\\\
\\\\\\\\.repeat(r)}this.endsWith(\\\"^\\\\\\\\\")&&this._space(),this.withSource(\\\"start\\\\\\\\\",e.loc,()=>{this._append(i)}),n&&t
his.newline(1)}_printComments(e,t){if(null==e?void
0:e.length;if(t&&1===e.length&&h.test(e[0].value))this._printComment(e[0],this._buf.hasContent()&&!this.endsWith(
ith(\\\"\\\\n\\\\n\\\\\\\\\");else for(const t of e)this._printComment(t)}printAssertions(e){var t;(null==(t=e.assertions)?void
0:t.length)&&(this.space(),this.word(\\\"assert\\\\\\\\\"),this.space(),this.token(\\\"{\\}\\\"),this.space(),this.printList(e.asserti
ons,e),this.space(),this.token(\\\"}\\\"))}}function
m(){this.token(\\\";\\\"),this.space()}t.default=f,Object.assign(f.prototype,o)},function(e,t,r){\\\"use
strict\\\";Object.defineProperty(t,\\\"__esModule\\\",{value:!0}),t.default=void 0;const n=^[
\\\\t]+$/;t.default=class{constructor(e){this._map=null,this._buf=[],this._last=\\\"\\\\\\\\\",this._queue=[],this._position={l
ine:1,column:0},this._sourcePosition={identifierName:null,line:null,column:null,filename:null},this._disallowedPop
p=null,this._map=e}get(){this._flush();const
e=this._map,t={code:this._buf.join(\\\"\\\\\\\\\").trimRight(),map:null,rawMappings:null==e?void
0:e.getRawMappings()};return e&&Object.defineProperty(t,\\\"map\\\\\\\\\",{configurable:!0,enumerable:!0,get(){return
this.map=e.get()},set(e){Object.defineProperty(this,\\\"map\\\\\\\\\",{value:e,writable:!0})}}),t}append(e){this._flush();c
onst{line:t,column:r,filename:n,identifierName:i,force:s}=this._sourcePosition;this._append(e,t,r,i,n,s)}queue(e){if(\\
\\\\\\\\n\\\\\\\\\"===e)for(;this._queue.length>0&&n.test(this._queue[0][0]);this._queue.shift();const{line:t,column:r,filen
ame:i,identifierName:s,force:a}=this._sourcePosition;this._queue.unshift([e,t,r,s,i,a])}_flush(){let
e;for(;e=this._queue.pop());this._append(...e)}_append(e,t,r,n,i,s){this._buf.push(e),this._last=e[e.length-1];let
a=e.indexOf(\\\"\\\\\\\\n\\\\\\\\\"),o=0;for(0!==a&&this._mark(t,r,n,i,s);-
1!==a);this._position.line++,this._position.column=0,o=a+1,o<e.length&&this._mark(++t,0,n,i,s),a=e.indexOf(\\\"\\\\
\\\\n\\\\\\\\\",o);this._position.column+=e.length-o}_mark(e,t,r,n,i){var
s>null==(s=this._map)||s.mark(this._position.line,this._position.column,e,t,r,n,i)}removeTrailingNewline(){this._que
ue.length>0&&\\\"\\\\\\\\n\\\\\\\\\"===this._queue[0][0]&&this._queue.shift()}removeLastSemicolon(){this._queue.length>
0&&\\\";\\\\\\\\\"===this._queue[0][0]&&this._queue.shift()}endsWith(e){if(1===e.length){let
t;if(this._queue.length>0){const e=this._queue[0][0];t=e[e.length-1]}else t=this._last;return t===e}const
t=this._last+this._queue.reduce((e,t)=>t[0]+e,\\\"\\\\\\\\\");return e.length<=t.length&&t.slice(-
e.length)===e}hasContent(){return
this._queue.length>0||!this._last}exactSource(e,t){this.source(\\\"start\\\\\\\\\",e,!0,t),this.source(\\\"end\\\\\\\\\",e),this._disa
llowPop(\\\"start\\\\\\\\\",e)}source(e,t,r){e&&!t||this._normalizePosition(e,t,this._sourcePosition,r)}withSource(e,t,r){if(!
this._map)return r();const
n=this._sourcePosition.line,i=this._sourcePosition.column,s=this._sourcePosition.filename,a=this._sourcePosition.id
entifierName;this.source(e,t,r),this._sourcePosition.force&&this._sourcePosition.line===n&&this._sourcePosition
.column===i&&this._sourcePosition.filename===s||this._disallowedPop&&this._disallowedPop.line===n&&this._
disallowedPop.column===i&&this._disallowedPop.filename===s||(this._sourcePosition.line=n,this._sourcePosition
.column=i,this._sourcePosition.filename=s,this._sourcePosition.identifierName=a,this._sourcePosition.force=!1,this.

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_disallowedPop=null)}_disallowPop(e,t){e&&!t||(this._disallowedPop=this._normalizePosition(e,t))}_normalizePos
tion(e,t,r,n){const i=t?t[e]:null;void
0===r&&(r={ identifierName:null,line:null,column:null,filename:null,force:!1 });const
s=r.line,a=r.column,o=r.filename;return r.identifierName=\\\\"start\\\\"===e&&(null===t?void
0:t.identifierName)||null,r.line=null===i?void 0:i.line,r.column=null===i?void 0:i.column,r.filename=null===t?void
0:t.filename,(n||r.line!==s||r.column!==a||r.filename!==o)&&(r.force=n),r}getCurrentColumn(){const
e=this._queue.reduce((e,t)=>t[0]+e,\\\\"\\\\"),t=e.lastIndexOf(\\\\"\\\\"n\\\\"");return-
1===t?this._position.column+e.length:e.length-1-t}getCurrentLine(){const
e=this._queue.reduce((e,t)=>t[0]+e,\\\\"\\\\"");let t=0;for(let r=0;r<e.length;r++)\\\\"\\\\"n\\\\""===e[r]&&t++;return
this._position.line+t }},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\"",{ value:!0}),t.list=t.nodes=void 0;var
n=function(e){if(e&&e.__esModule)return e;if(null===e||\\\\"object\\\\"!=typeof e&&\\\\"function\\\\"!=typeof
e)return{ default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={ },n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){ var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if(\\\\"function\\\\"!=typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e}function s(e,t={ }){return
n.isMemberExpression(e)||n.isOptionalMemberExpression(e)?(s(e.object,t),e.computed&&s(e.property,t)):n.isBinary
(e)||n.isAssignmentExpression(e)?(s(e.left,t),s(e.right,t)):n.isCallExpression(e)||n.isOptionalCallExpression(e)?(ha
sCall=!0,s(e.callee,t)):n.isFunction(e)?t.hasFunction=!0:n.isIdentifier(e)&&(t.hasHelper=t.hasHelper||a(e.callee)),t)f
unction a(e){return
n.isMemberExpression(e)?a(e.object)||a(e.property):n.isIdentifier(e)?\\\\"require\\\\"===e.name||\\\\"_\\\\"===e.name[0]
:n.isCallExpression(e)?a(e.callee):!(n.isBinary(e)&&n.isAssignmentExpression(e))&&(n.isIdentifier(e.left)&&a(e.
left)||a(e.right))}function o(e){return
n.isLiteral(e)||n.isObjectExpression(e)||n.isArrayExpression(e)||n.isIdentifier(e)||n.isMemberExpression(e)}const
l={ AssignmentExpression(e){ const
t=s(e.right);if(t.hasCall&&t.hasHelper||t.hasFunction)return{ before:t.hasFunction,after:!0 }},SwitchCase:(e,t)=>({ be
fore:e.consequent.length|t.cases[0]===e,after:!e.consequent.length&&t.cases[t.cases.length-
1]===e}),LogicalExpression(e){ if(n.isFunction(e.left)||n.isFunction(e.right))return{ after:!0 }},Literal(e){ if(\\\\"use
strict\\\\"===e.value)return{ after:!0 }},CallExpression(e){ if(n.isFunction(e.callee)||a(e))return{ before:!0,after:!0 }},O
ptionalCallExpression(e){ if(n.isFunction(e.callee))return{ before:!0,after:!0 }},VariableDeclaration(e){ for(let
t=0;t<e.declarations.length;t++){ const r=e.declarations[t];let n=a(r.id)&&!o(r.init);if(!n){ const
e=s(r.init);n=a(r.init)&&e.hasCall||e.hasFunction }if(n)return{ before:!0,after:!0 }},IfStatement(e){ if(n.isBlockState
ment(e.consequent))return{ before:!0,after:!0 }},t.nodes=l,l.ObjectProperty=l.ObjectTypeProperty=l.ObjectMethod
=function(e,t){ if(t.properties[0]===e)return{ before:!0 }},l.ObjectTypeCallProperty=function(e,t){ var
r;if(t.callProperties[0]===e&&(null==(r=t.properties)?void
0:r.length))return{ before:!0 }},l.ObjectTypeIndexer=function(e,t){ var
r,n;if(t.indexers[0]===e&&(null==(r=t.properties)?void 0:r.length)&&(null==(n=t.callProperties)?void
0:n.length))return{ before:!0 }},l.ObjectTypeInternalSlot=function(e,t){ var
r,n,i;if(t.internalSlots[0]===e&&(null==(r=t.properties)?void 0:r.length)&&(null==(n=t.callProperties)?void
0:n.length)&&(null==(i=t.indexers)?void 0:i.length))return{ before:!0 }};const
c={ VariableDeclaration:e=>e.declarations.map(e=>e.init),ArrayExpression:e=>e.elements,ObjectExpression:e=>e.p
roperties};t.list=c,[\\\\"Function\\\\",!0],[\\\\"Class\\\\",!0],[\\\\"Loop\\\\",!0],[\\\\"LabeledStatement\\\\",!0],[\\\\"SwitchStat
ement\\\\",!0],[\\\\"TryStatement\\\\",!0]].forEach((function([e,t]){\\\\"boolean\\\\"===typeof
t&&(t={ after:t,before:t}),(e.concat(n.FLIPPED_ALIAS_KEYS[e])||[]).forEach((function(e){l[e]=function(){return
t}}))})),function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\"",{ value:!0}),t.NullableTypeAnnotation=function(e,t){ return

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n.isArrayTypeAnnotation(t),t.FunctionTypeAnnotation=function(e,t,r){return
n.isUnionTypeAnnotation(t)||n.isIntersectionTypeAnnotation(t)||n.isArrayTypeAnnotation(t)||n.isTypeAnnotation(t)
&& n.isArrowFunctionExpression(r[r.length-3])},t.UpdateExpression=function(e,t){return
o(e,t)||a(e,t)},t.ObjectExpression=function(e,t,r){return
p(r,{considerArrow:!0})},t.DoExpression=function(e,t,r){return
p(r)},t.Binary=function(e,t){if(\\\\"**\\"===e.operator&&n.isBinaryExpression(t,{operator:\\\\"**\\"}))return
t.left===e;if(a(e,t))return!0;if(o(e,t)||n.isUnaryLike(t)||n.isAwaitExpression(t))return!0;if(n.isBinary(t)){const
r=t.operator,i=s[r],a=e.operator,o=s[a];if(i===o&&t.right===e&&!n.isLogicalExpression(t)||i>o)return!0}},t.Interse
ctionTypeAnnotation=t.UnionTypeAnnotation=function(e,t){return
n.isArrayTypeAnnotation(t)||n.isNullableTypeAnnotation(t)||n.isIntersectionTypeAnnotation(t)||n.isUnionTypeAnno
tation(t)},t.TSAsExpression=function(){return!0},t.TSTypeAssertion=function(){return!0},t.TSIntersectionType=t.
TSUnionType=function(e,t){return
n.isTSArrayType(t)||n.isTSOptionalType(t)||n.isTSIntersectionType(t)||n.isTSUnionType(t)||n.isTSRestType(t)},t.TS
InferType=function(e,t){return
n.isTSArrayType(t)||n.isTSOptionalType(t)},t.BinaryExpression=function(e,t){return\\\\"in\\"===e.operator&&(n.is
VariableDeclarator(t)||n.isFor(t)),t.SequenceExpression=function(e,t){if(n.isForStatement(t)||n.isThrowStatement(t)
||n.isReturnStatement(t)||n.isIfStatement(t)&&t.test===e||n.isWhileStatement(t)&&t.test===e||n.isForInStatement(t)
&&t.right===e||n.isSwitchStatement(t)&&t.discriminant===e||n.isExpressionStatement(t)&&t.expression===e)retur
n!1;return!0},t.AwaitExpression=t.YieldExpression=function(e,t){return
n.isBinary(t)||n.isUnaryLike(t)||o(e,t)||n.isAwaitExpression(t)&&n.isYieldExpression(e)||n.isConditionalExpression(t)
&&e===t.test||a(e,t)},t.ClassExpression=function(e,t,r){return
p(r,{considerDefaultExports:!0})},t.UnaryLike=l,t.FunctionExpression=function(e,t,r){return
p(r,{considerDefaultExports:!0})},t.ArrowFunctionExpression=function(e,t){return
n.isExportDeclaration(t)||c(e,t)},t.ConditionalExpression=c,t.OptionalCallExpression=t.OptionalMemberExpression
=function(e,t){return
n.isCallExpression(t,{callee:e})||n.isMemberExpression(t,{object:e})},t.AssignmentExpression=function(e,t,r){retur
n!!n.isObjectPattern(e.left)||c(e,t)},t.LogicalExpression=function(e,t){switch(e.operator){case\\\\"||\\\\"":return!!n.isLog
icalExpression(t)&&(\\\\"??\\"===t.operator||\\\\"&&\\\\"===t.operator);case\\\\"&&\\\\"":return
n.isLogicalExpression(t,{operator:\\\\"??\\"});case\\\\"??\\"":return
n.isLogicalExpression(t)&&(\\\\"??\\"!==t.operator)};var n=function(e){if(e&&e.__esModule)return
e;if(null===e||\\\\"object\\"!==typeof e&&(\\\\"function\\"!==typeof e))return{default:e};var t=i;if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if(\\\\"function\\"!==typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e}const
s={\\\\"|\\\\"":0,\\\\"?\\\\"":0,\\\\"&&\\\\"":1,\\\\"|\\\\"":2,\\\\"^\\\\"":3,\\\\"&\\\\"":4,\\\\"===\\\\"":5,\\\\"====\\\\"":5,\\\\"!\\\\"":5,\\\\"!\\\\"":5,\\\\"
|<\\\\"":6,\\\\">\\\\"":6,\\\\"<=\\\\"":6,\\\\">=\\\\"":6,in:6,instanceof:6,\\\\">>\\\\"":7,\\\\"<<\\\\"":7,\\\\">>>\\\\"":7,\\\\"+\\\\"":8,\\\\"-
\\\\"":8,\\\\"*\\\\"":9,\\\\"/\\\\"":9,\\\\"%\\\\"":9,\\\\"**\\\\"":10},a=(e,t)=>(n.isClassDeclaration(t)||n.isClassExpression(t))&&t.sup
erClass===e,o=(e,t)=>(n.isMemberExpression(t)||n.isOptionalMemberExpression(t))&&t.object===e|(n.isCallExpres
sion(t)||n.isOptionalCallExpression(t)||n.isNewExpression(t))&&t.callee===e|n.isTaggedTemplateExpression(t)&
&t.tag===e|n.isTSNonNullExpression(t);function l(e,t){return
o(e,t)||n.isBinaryExpression(t,{operator:\\\\"**\\"},left:e)||a(e,t)}function
c(e,t){return!(n.isUnaryLike(t)||n.isBinary(t)||n.isConditionalExpression(t,{test:e})||n.isAwaitExpression(t)||n.isTST
ypeAssertion(t)||n.isTSAsExpression(t))|(e,t)}function
p(e,{considerArrow:t=!1,considerDefaultExports:r=!1})={let i=e.length-1,s=e[i];i--;let
a=e[i];for(;i>=0;){if(n.isExpressionStatement(a,{expression:s})||r&&n.isExportDefaultDeclaration(a,{declaration:s}
))|t&&n.isArrowFunctionExpression(a,{body:s}))return!0;if(!(o(s,a)&&!n.isNewExpression(a)||n.isSequenceExpres

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sion(a)&&a.expressions[0]===s||n.isConditional(a,{test:s})||n.isBinary(a,{left:s})||n.isAssignmentExpression(a,{left
:s}))return!1;s=a,i--,a=e[i]}return!1}},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0});var
n=r(328);Object.keys(n).forEach((function(e){\\"default\\"!==(e&&\\"__esModule\\")!==(e&&(e in
t&&t[e]===n[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return n[e]} })))));var
i=r(329);Object.keys(i).forEach((function(e){\\"default\\"!==(e&&\\"__esModule\\")!==(e&&(e in
t&&t[e]===i[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return i[e]} })))));var
s=r(330);Object.keys(s).forEach((function(e){\\"default\\"!==(e&&\\"__esModule\\")!==(e&&(e in
t&&t[e]===s[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return s[e]} })))));var
a=r(331);Object.keys(a).forEach((function(e){\\"default\\"!==(e&&\\"__esModule\\")!==(e&&(e in
t&&t[e]===a[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return a[e]} })))));var
o=r(332);Object.keys(o).forEach((function(e){\\"default\\"!==(e&&\\"__esModule\\")!==(e&&(e in
t&&t[e]===o[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return o[e]} })))));var
l=r(123);Object.keys(l).forEach((function(e){\\"default\\"!==(e&&\\"__esModule\\")!==(e&&(e in
t&&t[e]===l[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return l[e]} })))));var
c=r(124);Object.keys(c).forEach((function(e){\\"default\\"!==(e&&\\"__esModule\\")!==(e&&(e in
t&&t[e]===c[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return c[e]} })))));var
p=r(334);Object.keys(p).forEach((function(e){\\"default\\"!==(e&&\\"__esModule\\")!==(e&&(e in
t&&t[e]===p[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return p[e]} })))));var
u=r(335);Object.keys(u).forEach((function(e){\\"default\\"!==(e&&\\"__esModule\\")!==(e&&(e in
t&&t[e]===u[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return u[e]} })))));var
d=r(336);Object.keys(d).forEach((function(e){\\"default\\"!==(e&&\\"__esModule\\")!==(e&&(e in
t&&t[e]===d[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return d[e]} })))));var
h=r(337);Object.keys(h).forEach((function(e){\\"default\\"!==(e&&\\"__esModule\\")!==(e&&(e in
t&&t[e]===h[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return h[e]} }))))},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0});t.TaggedTemplateExpression=function(e){this.print
(e.tag,e),this.print(e.typeParameters,e),this.print(e.quasi,e)},t.TemplateElement=function(e,t){const
r=t.quasis[0]===e,n=t.quasis[t.quasis.length-
1]===e,i=(r?\\"\\\\"\":\\"\\")+e.value.raw+(n?\\"\\\\"\":\\"$\\");this.token(i)},t.TemplateLiteral=function(e){const
t=e.quasis;for(let
r=0;r<t.length;r++)this.print(t[r],e),r+1<t.length&&this.print(e.expressions[r],e)},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0});t.UnaryExpression=function(e){\\"void\\"===e.ope
rator\\\\"delete\\"===e.operator||\\"typeof\\"===e.operator||\\"throw\\"===e.operator?(this.word(e.operator),this.s
pace():this.token(e.operator);this.print(e.argument,e)},t.DoExpression=function(e){this.word(\\"do\\"),this.space()
,this.print(e.body,e)},t.ParenthesizedExpression=function(e){this.token(\\"(\\"),this.print(e.expression,e),this.token(
\")==\""},t.UpdateExpression=function(e){e.prefix?(this.token(e.operator),this.print(e.argument,e)):this.startTermin
atorless(!0),this.print(e.argument,e),this.endTerminatorless(),this.token(e.operator)},t.ConditionalExpression=functi
on(e){this.print(e.test,e),this.space(),this.token(\\"?\\\"),this.space(),this.print(e.consequent,e),this.space(),this.token(
\")==\""},this.space(),this.print(e.alternate,e)},t.NewExpression=function(e,t){if(this.word(\\"new\\\"),this.space(),thi
s.print(e.callee,e),this.format.minified&&0===e.arguments.length&&!e.optional&&!n.isCallExpression(t,{callee:e
})&&!n.isMemberExpression(t)&&!n.isNewExpression(t))return this.print(e.typeArguments,e),this.print(e.typePara
meters,e),e.optional&&this.token(\\"?.\\\"),this.token(\\"(\\"),this.printList(e.arguments,e),this.token(\\"\\\"),t.Se
quenceExpression=function(e){this.printList(e.expressions,e)},t.ThisExpression=function(){this.word(\\"this\\\"),t.
Super=function(){this.word(\\"super\\\"),t.Decorator=function(e){this.token(\\"@\\\"),this.print(e.expression,e),thi
s.newline(),t.OptionalMemberExpression=function(e){if(this.print(e.object,e),!e.computed&&n.isMemberExpressi
on(e.property))throw new TypeError(\\"Got a MemberExpression for MemberExpression property\\");let
t=e.computed;n.isLiteral(e.property)&&\\"number\\"==typeof
e.property.value&&(t=!0);e.optional&&this.token(\\"?.\\\"),t?(this.token(\\"[\\\"),this.print(e.property,e),this.token(\\

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\\"]\\"):e.optional||this.token("\\\\".\\\\"),this.print(e.property,e)},t.OptionalCallExpression=function(e){this.print(e.callee,e),this.print(e.typeArguments,e),this.print(e.typeParameters,e),e.optional&&this.token("\\\\"?\\\\"");this.token("\\\\(\\\\"),this.printList(e.arguments,e),this.token("\\\\)\\\\""},t.CallExpression=function(e){this.print(e.callee,e),this.print(e.typeArguments,e),this.print(e.typeParameters,e),this.token("\\\\(\\\\"),this.printList(e.arguments,e),this.token("\\\\)\\\\""},t.Import=function(){this.word("\\\\import\\\\""},t.EmptyStatement=function(){this.semicolon(!)},t.ExpressionStatement=function(e){this.print(e.expression,e),this.semicolon()},t.AssignmentPattern=function(e){this.print(e.left,e),e.left.optional&&this.token("\\\\"?\\\\"");this.print(e.left.typeAnnotation,e),this.space(),this.token("\\\\="\\\\"),this.space(),this.print(e.right,e)},t.LogicalExpression=t.BinaryExpression=t.AssignmentExpression=function(e,t){const r=this.inForStatementInitCounter&&\\\\"in\\\\"===e.operator&&!i.needsParens(e,t);r&&this.token("\\\\(\\\\"");this.print(e.left,e),this.space(),\\\\"in\\\\"===e.operator||\\\\"instanceof\\\\"===e.operator?this.word(e.operator):this.token(e.operator);this.space(),this.print(e.right,e),r&&this.token("\\\\)\\\\""},t.BindExpression=function(e){this.print(e.object,e),this.token("\\\\::\\\\""),this.print(e.callee,e)},t.MemberExpression=function(e){if(this.print(e.object,e),!e.computed&&n.isMemberExpression(e.property))throw new TypeError("\\\\Got a MemberExpression for MemberExpression property\\\\"");let t=e.computed;n.isLiteral(e.property)&&\\\\"number\\\\"===typeof e.property.value&&(t=!0);t?(this.token("\\\\[\\\\""),this.print(e.property,e),this.token("\\\\]\\\\"");(this.token("\\\\.".\\\\"),this.print(e.property,e)),t.MetaProperty=function(e){this.print(e.meta,e),this.token("\\\\.".\\\\"),this.print(e.property,e)},t.PrivateName=function(e){this.token("\\\\#\\\\""),this.print(e.id,e)},t.V8IntrinsicIdentifier=function(e){this.token("\\\\%\\\\""),this.word(e.name)},t.AwaitExpression=t.YieldExpression=void 0;var n=a(r(0)),i=a(r(122));function s(){if("\\\\function\\\\"!==typeof WeakMap)return null;var e=new WeakMap;return s=function(){return e},e}function a(e){if(e&&e.__esModule)return e;if(null===e||\\\\"object\\\\"!==typeof e&&\\\\"function\\\\"!==typeof e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in e)if(Object.prototype.hasOwnProperty.call(e,i)){var a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}return r.default=e,t&&t.set(e,r,r)}function o(e){return function(t){if(this.word(e),t.delegate&&this.token("\\\\*\\\\""),t.argument){this.space();const e=this.startTerminatorless();this.print(t.argument,t),this.endTerminatorless(e)}}}const l=o("\\\\yield\\\\"");t.YieldExpression=l;const c=o("\\\\await\\\\"");t.AwaitExpression=c},function(e,t,r){\\\\"use strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\"",{value:!0}),t.WithStatement=function(e){this.word("\\\\with\\\\"),this.space(),this.token("\\\\(\\\\"),this.print(e.object,e),this.token("\\\\)\\\\""),this.printBlock(e)},t.IfStatement=function(e){this.word("\\\\if\\\\"),this.space(),this.token("\\\\(\\\\"),this.print(e.test,e),this.token("\\\\)\\\\""),this.space();const t=e.alternate&&n.isIfStatement(function e(t){return n.isStatement(t.body)?e(t.body):t}(e.consequent));t&&(this.token("\\\\{\\\\"),this.newLine(),this.indent());this.printAndIndentOnComments(e.consequent,e),t&&(this.dedent(),this.newLine(),this.token("\\\\}\\\\"");e.alternate&&(this.endWith("\\\\}\\\\"")&&this.space(),this.word("\\\\else\\\\""),this.space(),this.printAndIndentOnComments(e.alternate,e)},t.ForStatement=function(e){this.word("\\\\for\\\\""),this.space(),this.token("\\\\(\\\\"),this.inForStatementInitCounter++,this.print(e.init,e),this.inForStatementInitCounter--,this.token("\\\\;\\\\""),e.test&&(this.space(),this.print(e.test,e));this.token("\\\\;\\\\""),e.update&&(this.space(),this.print(e.update,e));this.token("\\\\)\\\\""),this.printBlock(e)},t.WhileStatement=function(e){this.word("\\\\while\\\\""),this.space(),this.token("\\\\(\\\\"),this.print(e.test,e),this.token("\\\\)\\\\""),this.printBlock(e)},t.DoWhileStatement=function(e){this.word("\\\\do\\\\""),this.space(),this.print(e.body,e),this.space(),this.word("\\\\while\\\\""),this.space(),this.token("\\\\(\\\\"),this.print(e.test,e),this.token("\\\\)\\\\""),this.semicolon(),t.LabeledStatement=function(e){this.print(e.label,e),this.token("\\\\:\\\\""),this.space(),this.print(e.body,e)},t.TryStatement=function(e){this.word("\\\\try\\\\""),this.space(),this.print(e.block,e),this.space(),e.handlers?this.print(e.handlers[0],e):this.print(e.handler,e);e.finalizer&&(this.space(),this.word("\\\\finally\\\\""),this.space(),this.print(e.finalizer,e)),t.CatchClause=function(e){this.word("\\\\catch\\\\""),this.space(),e.param&&(this.token("\\\\(\\\\"),this.print(e.param,e),this.print(e.param.typeAnnotation,e),this.token("\\\\)\\\\""),this.space());this.print(e.body,e)},t.SwitchStatement=function(e){this.word("\\\\switch\\\\""),this.space(),this.token("\\\\(\\\\"),this.print(e.discriminant,e),this.token("\\\\)\\\\""),this.space(),this.token("\\\\{\\\\""),this.printSequence(e.cases,e,{indent:!0,addN

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ewlines(t,r){if(!t&&e.cases[e.cases.length-1]===r)return-
1}},this.token("\\\\")},t.SwitchCase=function(e){e.test?(this.word("\\\\case\\\\"),this.space(),this.print(e.test,e),this.
token("\\\\:\\\\")):(this.word("\\\\default\\\\"),this.token("\\\\:\\\\"));e.consequent.length&&(this.newline(),this.printSequen
ce(e.consequent,e,{indent:!0})),t.DebuggerStatement=function(){this.word("\\\\debugger\\\\"),this.semicolon(),t.Va
riableDeclaration=function(e,t){e.declare&&(this.word("\\\\declare\\\\"),this.space());this.word(e.kind),this.space();let
r,i=!1;if(!n.isFor(t))for(const t of
e.declarations)t.init&&(i=!0);i&&(r=("\\\\const\\\\"===e.kind?f:h);if(this.printList(e.declarations,e,{separator:r}),n.isF
or(t)&&(t.left===e||t.init===e))return;this.semicolon(),t.VariableDeclarator=function(e){this.print(e.id,e),e.definite
&&this.token("\\\\!\\\\");this.print(e.id.typeAnnotation,e),e.init&&(this.space(),this.token("\\\\=\\\\"),this.space(),this.pri
nt(e.init,e)),t.ThrowStatement=t.BreakStatement=t.ReturnStatement=t.ContinueStatement=t.ForOfStatement=t.For
InStatement=void 0;var n=function(e){if(e&&e.__esModule)return e;if(null===e||\\"object\\"!=typeof
e&&\\"function\\"!=typeof e)return{default:e};var t=i;if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get|a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,&&t.set(e,r);return r}(r(0));function i(){if("\\\\function\\"!=typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e}const s=function(e){return
function(t){this.word("\\\\for\\\\"),this.space(),\\"of\\"===e&&t.await&&(this.word("\\\\await\\\\"),this.space()),this.to
ken("\\\\(\\\\"),this.print(t.left,t),this.space(),this.word(e),this.space(),this.print(t.right,t),this.token("\\\\)\\\\"),this.printBl
ock(t)},a=s("\\\\in\\\\");t.ForInStatement=a;const o=s("\\\\of\\\\");function l(e,t=\\"label\\\\"){return
function(r){this.word(e);const n=r[t];if(n){this.space();const
e=\\"label\\"==t,i=this.startTerminatorless(e);this.print(n,r),this.endTerminatorless(i)}this.semicolon()}t.ForOfSta
tement=o;const c=l("\\\\continue\\\\");t.ContinueStatement=c;const
p=l("\\\\return\\\\"),\\"argument\\\\");t.ReturnStatement=p;const u=l("\\\\break\\\\");t.BreakStatement=u;const
d=l("\\\\throw\\\\"),\\"argument\\\\");function h(){if(this.token("\\\\,\\\\"),this.newline(),this.endsWith("\\\\\\\\n\\\\"))for(let
e=0;e<4;e++)this.space(10)}function f(){if(this.token("\\\\,\\\\"),this.newline(),this.endsWith("\\\\\\\\n\\\\"))for(let
e=0;e<6;e++)this.space(10)}t.ThrowStatement=d},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\\\",{value:!0}),t.ClassExpression=t.ClassDeclaration=function(e,t)
{this.format.decoratorsBeforeExport&&(n.isExportDefaultDeclaration(t)|n.isExportNamedDeclaration(t))|this.print
Join(e.decorators,e);e.declare&&(this.word("\\\\declare\\\\"),this.space());e.abstract&&(this.word("\\\\abstract\\\\"),this.
space());this.word("\\\\class\\\\"),e.id&&(this.space(),this.print(e.id,e));this.print(e.typeParameters,e),e.superClass&&(
this.space(),this.word("\\\\extends\\\\"),this.space(),this.print(e.superClass,e),this.print(e.superTypeParameters,e));e.im
plements&&(this.space(),this.word("\\\\implements\\\\"),this.space(),this.printList(e.implements,e));this.space(),this.p
rint(e.body,e)},t.ClassBody=function(e){this.token("\\\\{\\\\"),this.printInnerComments(e),0===e.body.length?this.tok
en("\\\\}\\\\"):this.newline(),this.indent(),this.printSequence(e.body,e),this.dedent(),this.endsWith("\\\\\\\\n\\\\")|this.ne
wline(),this.rightBrace(),t.ClassProperty=function(e){this.printJoin(e.decorators,e),this.tsPrintClassMemberModifi
ers(e,!0),e.computed?(this.token("\\\\[\\\\"),this.print(e.key,e),this.token("\\\\]\\\\")):(this._variance(e),this.print(e.key,e)
);e.optional&&this.token("\\\\?\\\\");e.definite&&this.token("\\\\!\\\\");this.print(e.typeAnnotation,e),e.value&&(this.spa
ce(),this.token("\\\\=\\\\"),this.space(),this.print(e.value,e));this.semicolon(),t.ClassPrivateProperty=function(e){this.p
rintJoin(e.decorators,e),e.static&&(this.word("\\\\static\\\\"),this.space());this.print(e.key,e),this.print(e.typeAnnotatio
n,e),e.value&&(this.space(),this.token("\\\\=\\\\"),this.space(),this.print(e.value,e));this.semicolon(),t.ClassMethod=f
unction(e){this._classMethodHead(e),this.space(),this.print(e.body,e)},t.ClassPrivateMethod=function(e){this._class
MethodHead(e),this.space(),this.print(e.body,e)},t._classMethodHead=function(e){this.printJoin(e.decorators,e),this
.tsPrintClassMemberModifiers(e,!1),this._methodHead(e)},t.StaticBlock=function(e){this.word("\\\\static\\\\"),this.sp
ace(),this.token("\\\\{\\\\"),0===e.body.length?this.token("\\\\}\\\\"):this.newline(),this.printSequence(e.body,e,{indent:
!0}),this.rightBrace(),var n=function(e){if(e&&e.__esModule)return e;if(null===e||\\"object\\"!=typeof
e&&\\"function\\"!=typeof e)return{default:e};var t=i;if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in

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e)if(Object.prototype.hasOwnProperty.call(e,s)){ var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get|a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if(!!"function"!==typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e},function(e,t,r){!!"use
strict";Object.defineProperty(t,!!"__esModule",{value:!0}),t._params=function(e){this.print(e.typeParameters,e
),this.token(!!"("),this._parameters(e.params,e),this.token(!!")"),this.print(e.returnType,e)},t._parameters=functi
on(e,t){for(let r=0;r<e.length;r++)this._param(e[r],t),r<e.length-
1&&(this.token(!!",",this.space()),t._param=function(e,t){this.printJoin(e.decorators,e),this.print(e,t),e.optional
&&this.token(!!"?");this.print(e.typeAnnotation,e)},t._methodHead=function(e){const
t=e.kind,r=e.key;!!"get"!==t&&!!"set"!==t||(this.word(t),this.space());e.async&&(this._catchUp(!!"start",r.lo
c),this.word(!!"async"),this.space());!!"method"!==t&&!!"init"!==t|e.generator&&this.token(!!"*");e.com
puted?(this.token(!!"[",this.print(r,e),this.token(!!"]"),this.print(r,e),e.optional&&this.token(!!"?");this._par
ams(e)},t._predicate=function(e){e.predicate&&(e.returnType|this.token(!!":"),this.space(),this.print(e.predicate,
e)),t._functionHead=function(e){e.async&&(this.word(!!"async"),this.space());this.word(!!"function"),e.gener
ator&&this.token(!!"*");this.space(),e.id&&this.print(e.id,e);this._params(e),this._predicate(e)},t.FunctionDeclar
ation=t.FunctionExpression=function(e){this._functionHead(e),this.space(),this.print(e.body,e)},t.ArrowFunctionEx
pression=function(e){e.async&&(this.word(!!"async"),this.space());const
t=e.params[0];1===e.params.length&&n.isIdentifier(t)&&function(e,t){return
e.typeParameters|e.returnType|t.typeAnnotation|t.optional|t.trailingComments}(e,t)?(this.format.retainLines|e.asy
nc)&&e.loc&&e.body.loc&&e.loc.start.line<e.body.loc.start.line?(this.token(!!"("),t.loc&&t.loc.start.line>e.loc.st
art.line?(this.indent(),this.print(t,e),this.dedent(),this._catchUp(!!"start",e.body.loc):this.print(t,e),this.token(!!")\
\"):this.print(t,e):this._params(e);this._predicate(e),this.space(),this.token(!!">"),this.space(),this.print(e.body,e)
};var n=function(e){if(e&&e.__esModule)return e;if(null===e|!!"object"!==typeof e&&!!"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){ var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get|a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if(!!"function"!==typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e},function(e,t,r){!!"use strict";const
n={},i=n.hasOwnProperty,s=(e,t)=>{for(const r in
e)i.call(e,r)&&t(r,e[r])},a=n.toString,o=Array.isArray,l=Buffer.isBuffer,c={"\b":"\\b","\f":"\\f","\n":"\\n","\r":"\\r",
"\/":"\\\/","\t":"\\t"},p=/[\\b\\f\\n\\r\\t\\u=\\[0-9]\\.d=\\[!#-&\\(-\\[\\]]-_a-
~]/,h=(e,t)=>{const
r(=)>{S=g,++t.indentLevel,g=t.indent.repeat(t.indentLevel)},n={escapeEverything:!1,minimal:!1,isScriptContext:!
1,quotes:!!"single",wrap:!1,es6:!1,json:!1,compact:!0,lowercaseHex:!1,numbers:!!"decimal",indent:!!"t",i
ndentLevel:0,__inline1__:!1,__inline2__:!1},i=t&&t.json;var
f,m;i&&(n.quotes=!!"double",n.wrap=!0),f=n,!!"single"!==t&&(m=t)?(s(m,(e,t)=>{f[e]=t}),f):f).quotes&&!!"dou
ble"!==t.quotes&&!!"backtick"!==t.quotes&&(t.quotes=!!"single");const
y=!!"double"===t.quotes?"`":!!"backtick"===t.quotes?"`":!!"single",T=t.compact,b=t.lowercaseHex;let
g=t.indent.repeat(t.indentLevel),S=!!"t";const x=t.__inline1__,E=t.__inline2__,P=T?"`":!!"n";let
v,A=!0;const
w=!!"binary"===t.numbers,O=!!"octal"===t.numbers,I=!!"decimal"===t.numbers,C=!!"hexadecimal"===t.num
bers;if(i&&e&&!!"function"===typeof e.toJSON&&(e=e.toJSON()),!(e=>!!"string"===typeof e|!!"[object
String]"===a.call(e)(e)){if((e=>!!"[object Map]"===a.call(e)(e))return 0===e.size?"new
Map()":(T|(t.__inline1__=!0,t.__inline2__=!1),!!"new Map"+"h(Array.from(e),t)+"");if(e=>!!"[object
Set]"===a.call(e)(e))return 0===e.size?"new Set()"::!!"new Set"+"h(Array.from(e),t)+"");if(l(e))return
0===e.length?"Buffer.from()"::!!"Buffer.from"+"h(Array.from(e),t)+"");if(o(e))return

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v=[],t.wrap=!0,x&&(t.__inline1__=!1,t.__inline2__=!0),E||r(),((e,t)=>{const r=e.length;let n=
1;for(++n<r;t(e[n]))(e,e=>{A=!1,E&&(t.__inline2__=!1),v.push((T||E?"":g)+h(e,t))),A?"["+
v.join(",")+""]":"["+P+v.join(",")+P)+P+(T?"":S)+""]";if(!(e=>"number"===typeof
e)||"[object Number]"===a.call(e))(e)return(e=>"[object
Object]"===a.call(e))(e)?(v=[],t.wrap=!0,r(),s(e,(e,r)=>{A=!1,v.push((T?"":g)+h(e,t)+"":(T?"":(
)))+h(r,t))),A?"{"+v.join(",")+P)+P+(T?"":S)+""}":i?JSON.stringify(e)||"null":Str
ing(e);if(i)return JSON.stringify(e);if(I)return String(e);if(C){let t=e.toString(16);return
b||(t=t.toUpperCase()),"0x"+t;if(w)return"0b"+e.toString(2);if(O)return"0o"+e.toString(8)}const
N=e;let k=-1;const D=N.length;for(v="";++k<D;){const e=N.charAt(k);if(t.es6){const
e=N.charCodeAt(k);if(e>=55296&&e<=56319&&D>k+1){const
t=N.charCodeAt(k+1);if(t>=56320&&t<=57343){let r=(1024*(e-55296)+t-
56320+65536).toString(16);b||(r=r.toUpperCase()),v+="\u"+r+"",++k;continue}}if(!t.escapeEveryt
hing){if(d.test(e)){v+=e;continue}if("\\"===e){v+=y==e?"\\":e;continue}if("\\"===e){v+=y==e?"\\":e;continue}if("\\"===e){v+=y==e?"\\":e;continue}if("\\"0"===e&&!i&&!u.test(N.charAt(k+1)))v
+="\\"0";continue}if(p.test(e)){v+=c[e];continue}const
r=e.charCodeAt(0);if(t.minimal&&8232!r&&8233!r){v+=e;continue}let
n=r.toString(16);b||(n=n.toUpperCase());const
s=n.length>2|i,a="\\"+s+"u"+x+"")+(s?"0000"+n).slice(s?-4:-2);v+=a}return
t.wrap&&(v=y+v+y),"\\"===y&&(v=v.replace(/\\$/g,"\\$")),t.isScriptContext?v.replace(/<\/(scri
pt|style)/gi,"<\/$1").replace(/<!--/gi,"\u003C!--"):"\\"x3C!--
"):v};h.version="2.5.2",e.exports=h},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.AnyTypeAnnotation=function(){this.word("any\
")},t.ArrayTypeAnnotation=function(e){this.print(e.elementType,e),this.token("[")},t.Boolean
TypeAnnotation=function(){this.word("boolean")},t.BooleanLiteralTypeAnnotation=function(e){this.word(e.
value?"true":"false")},t.NullLiteralTypeAnnotation=function(){this.word("null")},t.DeclareClass=funct
ion(e,t){n.isDeclareExportDeclaration(t)||(this.word("declare"),this.space());this.word("class"),this.space(),t
his._interfaceish(e),t.DeclareFunction=function(e,t){n.isDeclareExportDeclaration(t)||(this.word("declare"),this
.space());this.word("function"),this.space(),this.print(e.id,e),this.print(e.id.typeAnnotation.typeAnnotation,e),e.p
redicate&&(this.space(),this.print(e.predicate,e));this.semicolon(),t.InferredPredicate=function(){this.token("%\
"),this.word("checks")},t.DeclaredPredicate=function(e){this.token("%"),this.word("checks"),this.token
("("),this.print(e.value,e),this.token(")")}},t.DeclareInterface=function(e){this.word("declare"),this.space
(),this.InterfaceDeclaration(e),t.DeclareModule=function(e){this.word("declare"),this.space(),this.word("mo
dule"),this.space(),this.print(e.id,e),this.space(),this.print(e.body,e)},t.DeclareModuleExports=function(e){this.wo
rd("declare"),this.space(),this.word("module"),this.token("."),this.word("exports"),this.print(e.type
Annotation,e)},t.DeclareTypeAlias=function(e){this.word("declare"),this.space(),this.TypeAlias(e)},t.DeclareO
paqueType=function(e,t){n.isDeclareExportDeclaration(t)||(this.word("declare"),this.space());this.OpaqueType(
e)},t.DeclareVariable=function(e,t){n.isDeclareExportDeclaration(t)||(this.word("declare"),this.space());this.wor
d("var"),this.space(),this.print(e.id,e),this.print(e.id.typeAnnotation,e),this.semicolon(),t.DeclareExportDeclarat
ion=function(e){this.word("declare"),this.space(),this.word("export"),this.space(),e.default&&(this.word("
default"),this.space());p.apply(this,arguments)},t.DeclareExportAllDeclaration=function(){this.word("declare\
"),this.space(),i.ExportAllDeclaration.apply(this,arguments)},t.EnumDeclaration=function(e){const{id:t,body:r}=e;
this.word("enum"),this.space(),this.print(t,e),this.print(r,e)},t.EnumBooleanBody=function(e){const{explicitTyp
e:t}=e;o(this,"boolean",t),l(this,e)},t.EnumNumberBody=function(e){const{explicitType:t}=e;o(this,"number\
",t),l(this,e)},t.EnumStringBody=function(e){const{explicitType:t}=e;o(this,"string",t),l(this,e)},t.EnumSymb
olBody=function(e){o(this,"symbol",!0),l(this,e)},t.EnumDefaultedMember=function(e){const{id:t}=e;this.prin
t(t,e),this.token(",")},t.EnumBooleanMember=function(e){c(this,e)},t.EnumNumberMember=function(e){c(this
,e)},t.EnumStringMember=function(e){c(this,e)},t.ExistsTypeAnnotation=function(){this.token("*")},t.Functio
nTypeAnnotation=function(e,t){this.print(e.typeParameters,e),this.token("("),this.printList(e.params,e),e.rest&&

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(e.params.length&&(this.token("\\",\\"),this.space()),this.token("\\"...\\\\"),this.print(e.rest,e));this.token("\\")\\\\"),\\\\"O
bjectTypeCallProperty\\\\"===t.type|\\\\"DeclareFunction\\\\"===t.type|\\\\"ObjectTypeProperty\\\\"===t.type&&t.met
hod?this.token("\\":\\\\"):(this.space(),this.token("\\"=>"\\\\"));this.space(),this.print(e.returnType,e)},t.FunctionTypePar
am=function(e){this.print(e.name,e),e.optional&&this.token("\\"?\\\\");e.name&&(this.token("\\":\\\\"),this.space());thi
s.print(e.typeAnnotation,e)},t.GenericTypeAnnotation=t.ClassImplements=t.InterfaceExtends=function(e){this.print
(e.id,e),this.print(e.typeParameters,e)},t._interfaceish=function(e){this.print(e.id,e),this.print(e.typeParameters,e),e.e
xtends.length&&(this.space(),this.word("\\extends\\\\"),this.space(),this.printList(e.extends,e));e.mixins&&e.mixins.
length&&(this.space(),this.word("\\mixins\\\\"),this.space(),this.printList(e.mixins,e));e.implements&&e.implements
.length&&(this.space(),this.word("\\implements\\\\"),this.space(),this.printList(e.implements,e));this.space(),this.prin
t(e.body,e)},t._variance=function(e){e.variance&&(\\\\"plus\\\\"===e.variance.kind?this.token("\\"+\\\\"):\\\\"minus\\\\"=
==e.variance.kind&&this.token("\\"-
\\\\"));t.InterfaceDeclaration=function(e){this.word("\\interface\\\\"),this.space(),this._interfaceish(e)},t.InterfaceTyp
eAnnotation=function(e){this.word("\\interface\\\\"),e.extends&&e.extends.length&&(this.space(),this.word("\\exte
nds\\\\"),this.space(),this.printList(e.extends,e));this.space(),this.print(e.body,e)},t.IntersectionTypeAnnotation=funct
ion(e){this.printJoin(e.types,e,{separator:u})},t.MixedTypeAnnotation=function(){this.word("\\mixed\\\\")},t.Empty
TypeAnnotation=function(){this.word("\\empty\\\\")},t.NullableTypeAnnotation=function(e){this.token("\\"?\\\\"),thi
s.print(e.typeAnnotation,e)},t.NumberTypeAnnotation=function(){this.word("\\number\\\\")},t.StringTypeAnnotation
=function(){this.word("\\string\\\\")},t.ThisTypeAnnotation=function(){this.word("\\this\\\\")},t.TupleTypeAnnotat
ion=function(e){this.token("\\[\\\\"),this.printList(e.types,e),this.token("\\]\\\\")},t.TypeOfTypeAnnotation=function(e
){this.word("\\typeof\\\\"),this.space(),this.print(e.argument,e)},t.TypeAlias=function(e){this.word("\\type\\\\"),this.s
pace(),this.print(e.id,e),this.print(e.typeParameters,e),this.space(),this.token("\\=\\\\"),this.space(),this.print(e.right,e),
this.semicolon()},t.TypeAnnotation=function(e){this.token("\\":\\\\"),this.space(),e.optional&&this.token("\\"?\\\\");thi
s.print(e.typeAnnotation,e)},t.TypeParameterDeclaration=t.TypeParameterInstantiation=function(e){this.token("\\<
\\\\"),this.printList(e.params,e,{}),this.token("\\>\\\\")},t.TypeParameter=function(e){this._variance(e),this.word(e.na
me),e.bound&&this.print(e.bound,e);e.default&&(this.space(),this.token("\\=\\\\"),this.space(),this.print(e.default,e)
)},t.OpaqueType=function(e){this.word("\\opaque\\\\"),this.space(),this.word("\\type\\\\"),this.space(),this.print(e.id,e
),this.print(e.typeParameters,e),e.supertype&&(this.token("\\":\\\\"),this.space(),this.print(e.supertype,e));e.impltype&
&(this.space(),this.token("\\=\\\\"),this.space(),this.print(e.impltype,e));this.semicolon()},t.ObjectTypeAnnotation=f
unction(e){e.exact?this.token("\\{\\\\"):this.token("\\{\\\\");const
t=e.properties.concat(e.callProperties|[],e.indexers|[],e.internalSlots|[]);t.length&&(this.space(),this.printJoin(t,e,{a
ddNewLines(e){if(e&&!t[0])return
1},indent:!0,statement:!0,iterator:()=>>{(1!==t.length|e.inexact)&&(this.token("\\",\\\\"),this.space())}},this.space());
e.inexact&&(this.indent(),this.token("\\"...\\\\"),t.length&&this.newline(),this.dedent());e.exact?this.token("\\}\\\\"):th
is.token("\\}\\\\")},t.ObjectTypeInternalSlot=function(e){e.static&&(this.word("\\static\\\\"),this.space());this.token(\\
\\[\\\\"),this.token("\\[\\\\"),this.print(e.id,e),this.token("\\]\\\\"),this.token("\\]\\\\"),e.optional&&this.token("\\"?\\\\");e.
method|(this.token("\\":\\\\"),this.space());this.print(e.value,e)},t.ObjectTypeCallProperty=function(e){e.static&&(thi
s.word("\\static\\\\"),this.space());this.print(e.value,e)},t.ObjectTypeIndexer=function(e){e.static&&(this.word("\\st
atic\\\\"),this.space());this._variance(e),this.token("\\[\\\\"),e.id&&(this.print(e.id,e),this.token("\\":\\\\"),this.space());th
is.print(e.key,e),this.token("\\]\\\\"),this.token("\\":\\\\"),this.space(),this.print(e.value,e)},t.ObjectTypeProperty=functi
on(e){e.proto&&(this.word("\\proto\\\\"),this.space());e.static&&(this.word("\\static\\\\"),this.space());\\\\"get\\\\"!:=e.
kind&&\\\\"set\\\\"!:=e.kind|(this.word(e.kind,this.space());this._variance(e),this.print(e.key,e),e.optional&&this.tok
en("\\"?\\\\");e.method|(this.token("\\":\\\\"),this.space());this.print(e.value,e)},t.ObjectTypeSpreadProperty=function(e
){this.token("\\"...\\\\"),this.print(e.argument,e)},t.QualifiedTypeIdentifier=function(e){this.print(e.qualification,e),thi
s.token("\\.\\\\"),this.print(e.id,e)},t.SymbolTypeAnnotation=function(){this.word("\\symbol\\\\")},t.UnionTypeAnno
tation=function(e){this.printJoin(e.types,e,{separator:d})},t.TypeCastExpression=function(e){this.token("\\(\\\\"),thi
s.print(e.expression,e),this.print(e.typeAnnotation,e),this.token("\\)\\\\")},t.Variance=function(e){\\\\"plus\\\\"===e.kin
d?this.token("\\"+\\\\"):this.token("\\"-
\\\\")},t.VoidTypeAnnotation=function(){this.word("\\void\\\\")},Object.defineProperty(t,\\\\"NumberLiteralTypeAnn

```



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tKey)>s.indexOf(r.parentKey)&&(n=r)}return
n)}),t.getDeepestCommonAncestorFrom=function(e,t){if(!e.length)return this;if(1===e.length)return e[0];let
r,n,i=1/0;const s=e.map(e=>{const t=[];do{t.unshift(e)}while((e=e.parentPath)&&e!==this);return
t.length<i&&(i=t.length),t},a=s[0];e:for(let e=0;e<i;e++){const t=a[e];for(const r of s)if(r[e]!==t)break
e;r=e,n=t}if(n)return t?(n,r,s):n;throw new Error(\\\\"Couldn't find intersection\\\\"),t.getAncestry=function(){let
e=this;const t=[];do{t.push(e)}while(e=e.parentPath);return t},t.isAncestor=function(e){return
e.isDescendant(this)},t.isDescendant=function(e){return!this.findParent(t=>t===e)},t.inType=function(){let
e=this;for(;e;){for(const t of arguments)if(e.node.type===t)return!0;e=e.parentPath}return!1};var
n,i=function(e){if(e&&e.__esModule)return e;if(null===e||\\"object\\"!==typeof e&&\\"function\\"!==typeof
e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0));(n=r(8))&&n.__esModule;function s(){if(\\\\"function\\"!==typeof WeakMap)return
null;var e=new WeakMap;return s=function(){return e},e},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.getTypeAnnotation=function(){if(this.typeAnnotat
ion)return this.typeAnnotation;let
e=this._getTypeAnnotation()||i.anyTypeAnnotation();i.isTypeAnnotation(e)&&(e=e.typeAnnotation);return
this.typeAnnotation=e},t._getTypeAnnotation=function(){var e;const
t=this.node;if(!t){if(\\\\"init\\"===this.key&&this.parentPath.isVariableDeclarator()){const
e=this.parentPath.parentPath,t=e.parentPath;return\\\\"left\\"===e.key&&t.isForInStatement()?i.stringTypeAnnotati
on():\\\\"left\\"===e.key&&t.isForOfStatement()?i.anyTypeAnnotation():i.voidTypeAnnotation()}return}if(t.typeAnn
otation)return t.typeAnnotation;let r=n[t.type];if(r)return r.call(this,t);if(r=n[this.parentPath.type],null==(e=r)?void
0:e.validParent)return this.parentPath.getTypeAnnotation(),t.isBaseType=function(e,t){return
o(e,this.getTypeAnnotation(),t)},t.couldBeBaseType=function(e){const
t=this.getTypeAnnotation();if(i.isAnyTypeAnnotation(t))return!0;if(i.isUnionTypeAnnotation(t)){for(const r of
t.types)if(i.isAnyTypeAnnotation(r)||o(e,r,!0))return!0;return!1}return
o(e,t,!0)},t.baseTypeStrictlyMatches=function(e){const
t=this.getTypeAnnotation();if(e=e.getTypeAnnotation(),!i.isAnyTypeAnnotation(t)&&i.isFlowBaseAnnotation(t))re
turn e.type===t.type},t.isGenericType=function(e){const t=this.getTypeAnnotation();return
i.isGenericTypeAnnotation(t)&&i.isIdentifier(t.id,{name:e})};var n=a(r(340)),i=a(r(0));function
s(){if(\\\\"function\\"!==typeof WeakMap)return null;var e=new WeakMap;return s=function(){return e},e}function
a(e){if(e&&e.__esModule)return e;if(null===e||\\"object\\"!==typeof e&&\\"function\\"!==typeof
e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}function o(e,t,r){if(\\\\"string\\"===e)return
i.isStringTypeAnnotation(t);if(\\\\"number\\"===e)return i.isNumberTypeAnnotation(t);if(\\\\"boolean\\"===e)return
i.isBooleanTypeAnnotation(t);if(\\\\"any\\"===e)return i.isAnyTypeAnnotation(t);if(\\\\"mixed\\"===e)return
i.isMixedTypeAnnotation(t);if(\\\\"empty\\"===e)return i.isEmptyTypeAnnotation(t);if(\\\\"void\\"===e)return
i.isVoidTypeAnnotation(t);if(r)return!1;throw new Error(\\\\"Unknown base type \\\\"+e)}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.VariableDeclarator=function(){var
e;if(!this.get(\\\\"id\\\\").isIdentifier())return;const t=this.get(\\\\"init\\\\"");let
r=t.getTypeAnnotation();\\\\"AnyTypeAnnotation\\"===null==(e=r)?void
0:e.type)&&t.isCallExpression()&&t.get(\\\\"callee\\\\").isIdentifier({name:\\\\"Array\\\\"})&&!t.scope.hasBinding(\\\\"
Array\\\\",!0)&&(r=l());return
r},t.TypeCastExpression=o,t.NewExpression=function(e){if(this.get(\\\\"callee\\\\").isIdentifier())return

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i.genericTypeAnnotation(e.callee)},t.TemplateLiteral=function(){return
i.stringTypeAnnotation(),t.UnaryExpression=function(e){const t=e.operator;if(\\\\"void\\"===t)return
i.voidTypeAnnotation();if(i.NUMBER_UNARY_OPERATORS.indexOf(t)>=0)return
i.numberTypeAnnotation();if(i.STRING_UNARY_OPERATORS.indexOf(t)>=0)return
i.stringTypeAnnotation();if(i.BOOLEAN_UNARY_OPERATORS.indexOf(t)>=0)return
i.booleanTypeAnnotation(),t.BinaryExpression=function(e){const
t=e.operator;if(i.NUMBER_BINARY_OPERATORS.indexOf(t)>=0)return
i.numberTypeAnnotation();if(i.BOOLEAN_BINARY_OPERATORS.indexOf(t)>=0)return
i.booleanTypeAnnotation();if(\\\\"+\\\\"===t){const e=this.get(\\\\"right\\\\"),t=this.get(\\\\"left\\\\");return
t.isBaseType(\\\\"number\\\\")&&e.isBaseType(\\\\"number\\\\")?i.numberTypeAnnotation():t.isBaseType(\\\\"string\\\\"))
||e.isBaseType(\\\\"string\\\\")?i.stringTypeAnnotation():i.unionTypeAnnotation([i.stringTypeAnnotation(),i.numberT
ypeAnnotation()])},t.LogicalExpression=function(){const
e=[this.get(\\\\"left\\\\"),getTypeAnnotation(),this.get(\\\\"right\\\\"),getTypeAnnotation()];if(i.isTSTypeAnnotation(e[0]
)&&i.createTSUnionType)return i.createTSUnionType(e);if(i.createFlowUnionType)return
i.createFlowUnionType(e);return i.createUnionTypeAnnotation(e)},t.ConditionalExpression=function(){const
e=[this.get(\\\\"consequent\\\\"),getTypeAnnotation(),this.get(\\\\"alternate\\\\"),getTypeAnnotation()];if(i.isTSTypeAnn
otation(e[0])&&i.createTSUnionType)return i.createTSUnionType(e);if(i.createFlowUnionType)return
i.createFlowUnionType(e);return i.createUnionTypeAnnotation(e)},t.SequenceExpression=function(){return
this.get(\\\\"expressions\\\\"),pop().getTypeAnnotation(),t.ParenthesizedExpression=function(){return
this.get(\\\\"expression\\\\"),getTypeAnnotation(),t.AssignmentExpression=function(){return
this.get(\\\\"right\\\\"),getTypeAnnotation(),t.UpdateExpression=function(e){const t=e.operator;if(\\\\"++\\\\"===t||\\\\"-
-\\\\"===t)return i.numberTypeAnnotation(),t.StringLiteral=function(){return
i.stringTypeAnnotation(),t.NumericLiteral=function(){return
i.numberTypeAnnotation(),t.BooleanLiteral=function(){return
i.booleanTypeAnnotation(),t.NullLiteral=function(){return
i.nullLiteralTypeAnnotation(),t.RegExpLiteral=function(){return
i.genericTypeAnnotation(i.identifier(\\\\"RegExp\\\\"))},t.ObjectExpression=function(){return
i.genericTypeAnnotation(i.identifier(\\\\"Object\\\\"))},t.ArrayExpression=l,t.RestElement=c,t.ClassDeclaration=t.Cl
assExpression=t.FunctionDeclaration=t.ArrowFunctionExpression=t.FunctionExpression=function(){return
i.genericTypeAnnotation(i.identifier(\\\\"Function\\\\"))},t.CallExpression=function(){const {callee:e}=this.node;if(u
e)return i.arrayTypeAnnotation(i.stringTypeAnnotation());if(p(e)||d(e))return
i.arrayTypeAnnotation(i.anyTypeAnnotation());if(h(e))return
i.arrayTypeAnnotation(i.tupleTypeAnnotation([i.stringTypeAnnotation(),i.anyTypeAnnotation()]));return
f(this.get(\\\\"callee\\\\"))},t.TaggedTemplateExpression=function(){return
f(this.get(\\\\"tag\\\\")),Object.defineProperty(t,\\\\"Identifier\\\\",{enumerable:!0,get:function(){return s.default}});var
n,i=function(e){if(e&&e.__esModule)return e;if(null===e||\\\\"object\\\\"!=typeof e&&\\\\"function\\\\"!=typeof
e)return{default:e};var t=a();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0)),s=(n=r(341))&&n.__esModule?n:{default:n};function a(){if(\\\\"function\\\\"!=typeof
WeakMap)return null;var e=new WeakMap;return a=function(){return e},e}function o(e){return
e.typeAnnotation}function l(){return i.genericTypeAnnotation(i.identifier(\\\\"Array\\\\"))}function c(){return
l()}o.validParent=!0,c.validParent=!0;const
p=i.buildMatchMemberExpression(\\\\"Array.from\\\\"),u=i.buildMatchMemberExpression(\\\\"Object.keys\\\\"),d=i.bu
ildMatchMemberExpression(\\\\"Object.values\\\\"),h=i.buildMatchMemberExpression(\\\\"Object.entries\\\\");function
f(e){if((e=e.resolve()).isFunction()){if(e.is(\\\\"async\\\\"))return
e.is(\\\\"generator\\\\")?i.genericTypeAnnotation(i.identifier(\\\\"AsyncIterator\\\\")):i.genericTypeAnnotation(i.identifie

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r(\\\\"Promise\\\\"));if(e.node.returnType)return e.node.returnType}}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e){if(!this.isReferenced())return;
const t=this.scope.getBinding(e.name);if(t)return
t.identifier.typeAnnotation?t.identifier.typeAnnotation:function(e,t,r){const i=[],o=[];let l=s(e,t,o);const c=function
e(t,r,i){const s=function(e,t,r){let
n;for(;n=t.parentPath;){if(n.isIfStatement()||n.isConditionalExpression()){if(\\\\"test\\\\"===t.key)return;return
n}if(n.isFunction()&&n.parentPath.scope.getBinding(r)!==e)return;t=n}}(t,r,i);if(!s)return;const
o=[s.get(\\\\"test\\\\")],l=[];for(let e=0;e<o.length;e++){const
t=o[e];if(t.isLogicalExpression())\\\\"&&\\\\"===t.node.operator&&(o.push(t.get(\\\\"left\\\\")),o.push(t.get(\\\\"right\\\\"))
));else if(t.isBinaryExpression()){const e=a(i,t);e&&l.push(e)}if(l.length)return
n.isTSTypeAnnotation(l[0])&&n.createTSUnionType?{typeAnnotation:n.createTSUnionType(l),ifStatement:s}:n.cr
eateFlowUnionType?{typeAnnotation:n.createFlowUnionType(l),ifStatement:s}:{typeAnnotation:n.createUnionTy
peAnnotation(l),ifStatement:s};return e(s,i)}(e,t,r);if(c){const
t=s(e,c.ifStatement);l=l.filter(e=>t.indexOf(e)<0),i.push(c.typeAnnotation)}if(l.length){l=l.concat(o);for(const e of
l)i.push(e.getTypeAnnotation())}if(!l.length)return;if(n.isTSTypeAnnotation(i[0])&&n.createTSUnionType)return
n.createTSUnionType(i);if(n.createFlowUnionType)return n.createFlowUnionType(i);return
n.createUnionTypeAnnotation(i)}(t,this,e.name);if(\\\\"undefined\\\\"===e.name)return
n.voidTypeAnnotation();if(\\\\"NaN\\\\"===e.name||\\\\"Infinity\\\\"===e.name)return
n.numberTypeAnnotation();e.name};var n=function(e){if(e&&e.__esModule)return
e;if(null===e||\\\\"object\\\\"!=typeof e&&\\\\"function\\\\"!=typeof e)return{default:e};var t=i();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,&&t.set(e,r);return r}(r(0));function i(){if(\\\\"function\\\\"!=typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e}function s(e,t,r){const n=e.constantViolations.slice();return
n.unshift(e.path),n.filter(e=>{const n=(e=e.resolve())._guessExecutionStatusRelativeTo(t);return
r&&\\\\"unknown\\\\"===n&&r.push(e),\\\\"before\\\\"===n})}function a(e,t){const
r=t.node.operator,i=t.get(\\\\"right\\\\").resolve(),s=t.get(\\\\"left\\\\").resolve();let
a,o,l;if(s.isIdentifier({name:e})?a=i:i.isIdentifier({name:e})&&(a=s),a)return\\\\"===\\\\"===r?a.getTypeAnnotation()
:n.BOOLEAN_NUMBER_BINARY_OPERATORS.indexOf(r)>=0?n.numberTypeAnnotation():void
0;if(\\\\"===\\\\"===r&&\\\\"===\\\\"===r)return;if(s.isUnaryExpression({operator:\\\\"typeof\\\\"})?(o=s,l=i):i.isUnaryExp
ression({operator:\\\\"typeof\\\\"})&&(o=i,l=s),!o)return;if(!o.get(\\\\"argument\\\\").isIdentifier({name:e}))return;if(l=l
.resolve(),!l.isLiteral())return;const c=l.node.value;return\\\\"string\\\\"===typeof
c?n.createTypeAnnotationBasedOnTypeof(c):void 0}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.replaceWithMultiple=function(e){this.resync(),e=t
his._verifyNodeList(e),o.inheritLeadingComments(e[0],this.node),o.inheritTrailingComments(e[e.length-
1],this.node),this.node=this.container[this.key]=null;const
t=this.insertAfter(e);this.node?this.requeue():this.remove();return
t},t.replaceWithSourceString=function(e){this.resync();try{e=`${e}`,e=(0,a.parse)(e)}catch(t){const r=t.loc;throw
r&&(t.message+=\\\\" - make sure this is an
expression.\\\\"+n\\\\"+(0,n.codeFrameColumns)(e,{start:{line:r.line,column:r.column+1}}),t.code=\\\\"BABEL_REPL
ACE_SOURCE_ERROR\\\\"),t}return
e=e.program.body[0].expression,i.default.removeProperties(e),this.replaceWith(e)},t.replaceWith=function(e){if(thi
s.resync(),this.removed)throw new Error(\\\\"You can't replace this node, we've already removed it\\\\");e instanceof
s.default&&(e=e.node);if(!e)throw new Error(\\\\"You passed `path.replaceWith()` a falsy node, use `path.remove()`
instead\\\\");if(this.node===e)return[this];if(this.isProgram()&&!o.isProgram(e))throw new Error(\\\\"You can only
replace a Program root node with another Program node\\\\");if(Array.isArray(e))throw new Error(\\\\"Don't use
`path.replaceWith()` with an array of nodes, use `path.replaceWithMultiple()`\\\\");if(\\\\"string\\\\"===typeof e)throw

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new Error(\\`Don't use `path.replaceWith()` with a source string, use `path.replaceWithSourceString()`\\`);let
t=\\`\\`;this.isNodeType(\\`Statement\\`)&&o.isExpression(e)&&(this.canHaveVariableDeclarationOrExpression
()||this.canSwapBetweenExpressionAndStatement(e)||this.parentPath.isExportDefaultDeclaration())|(e=o.expression
Statement(e),t=\\`expression\\`);if(this.isNodeType(\\`Expression\\`)&&o.isStatement(e)&&!this.canHaveVariable
DeclarationOrExpression())&&!this.canSwapBetweenExpressionAndStatement(e))return
this.replaceExpressionWithStatements([e]);const
r=this.node;r&&(o.inheritsComments(e,r),o.removeComments(r));return
this._replaceWith(e),this.type=e.type,this.setScope(),this.requeue(),[t?this.get(t):this],t._replaceWith=function(e){if
(!this.container)throw new ReferenceError(\\`Container is
falsy\\`);this.inList?o.validate(this.parent,this.key,[e]):o.validate(this.parent,this.key,e);this.debug(\\`Replace with
\\`+(null==e?void
0:e.type)),this.node=this.container[this.key]=e,t.replaceExpressionWithStatements=function(e){this.resync();const
t=o.toSequenceExpression(e,this.scope);if(t)return this.replaceWith(t)[0].get(\\`expressions\\`);const
r=this.getFunctionParent(),n=null==r?void
0:r.is(\\`async\\`),s=o.arrowFunctionExpression([],o.blockStatement(e));this.replaceWith(o.callExpression(s,[],)th
is.traverse(p);const a=this.get(\\`callee\\`).getCompletionRecords();for(const e of
a){if(!e.isExpressionStatement())continue;const t=e.findParent(e=>e.isLoop());if(t){let
r=t.getData(\\`expressionReplacementReturnUid\\`);if(r)r=o.identifier(r.name);else{const
e=this.get(\\`callee\\`);r=e.scope.generateDeclaredUidIdentifier(\\`ret\\`),e.get(\\`body\\`).pushContainer(\\`bod
y\\`,o.returnStatement(o.cloneNode(r))),t.setData(\\`expressionReplacementReturnUid\\`,r)}e.get(\\`expression\\`
).replaceWith(o.assignmentExpression(\\`=\\`,o.cloneNode(r),e.node.expression))}else
e.replaceWith(o.returnStatement(e.node.expression))}const
l=this.get(\\`callee\\`);l.arrowFunctionToExpression(),n&&i.default.hasType(this.get(\\`callee.body\\`).node,\\`A
waitExpression\\`,o.FUNCTION_TYPES)&&(l.set(\\`async\\`,!0),this.replaceWith(o.awaitExpression(this.node)
));return
l.get(\\`body.body\\`),t.replaceInline=function(e){if(this.resync(),Array.isArray(e)){if(Array.isArray(this.containe
r)){e=this._verifyNodeList(e);const t=this._containerInsertAfter(e);return this.remove(),t}return
this.replaceWithMultiple(e)}return this.replaceWith(e)};var
n=r(125),i=c(r(17)),s=c(r(8)),a=r(60),o=function(e){if(e&&e.__esModule)return e;if(null===e||\\`object\\`!=typeof
e&&\\`function\\`!=typeof e)return {default:e};var t=l();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0));function l(){if(\\`function\\`!=typeof WeakMap)return null;var e=new WeakMap;return
l=function(){return e},e}function c(e){return e&&e.__esModule?{default:e}const
p={Function(e){e.skip()},VariableDeclaration(e){if(\\`var\\`!==e.node.kind)return;const
t=e.getBindingIdentifiers();for(const r of Object.keys(t))e.scope.push({id:t[r]});const r=[];for(const t of
e.node.declarations)t.init&&r.push(o.expressionStatement(o.assignmentExpression(\\`=\\`,t.id,t.init)));e.replaceWit
hMultiple(r)}},function(e,t,r){\\`use
strict\\`;Object.defineProperty(t,\\`__esModule\\`,{value:!0}),t.shouldHighlight=p,t.getChalk=u,t.default=function
(e,t={}){if(p(t)){const r=u(t);return function(e,t){let r=\\`\\`;for(const{type:n,value:i}of c(t)){const
t=e[n];r+=t?i.split(o).map(e=>t(e)).join(\\`\\`\\`\\`\\`):i}return
r}(function(e){return{keyword:e.cyan,capitalized:e.yellow,jsxIdentifier:e.yellow,punctuator:e.yellow,number:e.magenta,
string:e.green,regex:e.magenta,comment:e.grey,invalid:e.white,bgRed.bold}}(r),e)}return e};var n=r(19);const
i=r(344),s=r(345),a=new Set([\\`as\\`,\\`async\\`,\\`from\\`,\\`get\\`,\\`of\\`,\\`set\\`]);const
o=/^\\r\\n\\n\\r\\n\\u2028\\u2029\\,l=/^\\[\\]\\{\\}\\$\\;/;let c;{const e=/^[a-z][\\w-
]*$/i,t=function(t,r,i){if(\\`name\\`===t.type){if((0,n.isKeyword)(t.value)||(!0,n.isStrictReservedWord)(t.value,!0)||a
.has(t.value))return\\`keyword\\`;if(e.test(t.value)&&(\\`<\\`===i[r-1])||\\`</\\`===i.substr(r-

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2,2))return"jsxIdentifier";if(t.value[0]!==t.value[0].toLowerCase())return"capitalized"}return"punctuator"
===t.type&&l.test(t.value)?"bracket":"invalid"!==t.type||@"!=="#\\"!=="t.value?t.type:
"punctuator";c=function*(e){let r;for(r=i.default.exec(e)){const
n=i.matchToToken(r);yield{type:t(n,r.index,e),value:n.value}}function
p(e){return!s.supportsColor||e.forceColor}function u(e){return e.forceColor?new
s.constructor({enabled:!0,level:1}):s},function(e,t){Object.defineProperty(t,"__esModule",{value:!0}),t.default
t=/([\\b])?(?!\\2|\\b|\\n|\\r|\\s|\\S))*((\\2)?(?!^\\\\$|\\\\\\\\s|\\\\S|\\\\$|\\\\{)|\\\\$|\\\\{(?
[^{}]|\\\\{^}*\\\\|}?)*\\\\|?)(\\\\\\\\.)*\\\\\\\\*(?!^|\\\\)*\\\\\\\\*(\\\\\\\\|)?\\\\\\\\(?!|\\\\)*\\\\\\\\(?!|\\\\\\\\|\\\\
\\\\|\\\\.)*\\\\\\\\(?!|\\\\\\\\|\\\\\\\\|\\\\.)*\\\\\\\\(?!|\\\\\\\\s*(?!|\\\\b|\\\\u0080-\\\\uFFFF$|\\\\\\\\\\"\\~(\\[[+\\\\-
|]?|)=)\\\\\\\\.\\\\\\\\(?!|\\\\d)[gmiyus]{1,6}\\\\\\\\b(?:\\\\\\\\u0080-\\\\\\\\uFFFF$|\\\\\\\\|\\\\\\\\s*(?:[+\\\\-
*%&|<>|!={|\\\\\\\\(?!|\\\\\\\\)*\\\\\\\\))\\\\\\\\(0[xX]\\\\\\\\[da-fA-F]+|0[oO]\\\\\\\\[0-
7]+|0[bB]\\\\\\\\[01]+|(?|\\\\d*\\\\\\\\.\\\\\\\\d+|\\\\d+\\\\\\\\.?)|(?[eE][+]?|\\\\d+)?|((?!\\\\d)(?!|\\\\s)[\\\\w|\\\\u0080-
\\\\uFFFF]|\\\\\\\\u|\\\\\\\\[da-fA-F]{4}|\\\\\\\\u|\\\\\\\\{\\\\\\\\[da-fA-F]+\\\\\\\\})+)(-|\\\\+|\\\\+|&&|\\\\\\\\|\\\\|>|\\\\.}{3}|(?[+\\\\-
\\\\\\\\%&|^]|\\\\*|1,2)<{1,2}>{1,3}|!|=|={1,2}|=?~\\.\\.\\.;|\\\\\\\\|O}|)\\\\\\\\(\\\\\\\\s+)(^$|\\\\\\\\s|\\\\S)/g,t.matchToToken=functio
n(e){var t={type:"invalid",value:e[0],closed:void 0};return
e[1]?t.type="string",t.closed=!(e[3]&&e[4]):e[5]?t.type="comment":e[6]?t.type="comment",t.close
d=!e[7]:e[8]?t.type="regex":e[9]?t.type="number":e[10]?t.type="name":e[11]?t.type="punctuator"
:e[12]&&(t.type="whitespace"),t}},function(e,t,r){"use strict";const
n=r(346),i=r(347),s=r(351).stdout,a=r(352),o="win32"===process.platform&&(process.env.TERM||"").toL
owerCase().startsWith("xterm"),l=["ansi","ansi","ansi256","ansi16m"],c=new
Set(["gray"]),p=Object.create(null);function u(e,t){t=t||{};const r=s?s.level:0,e.level=void
0===t.level?r:t.level,e.enabled="enabled"in t?t.enabled:e.level>0}function d(e){if(!this!(this instanceof
d)||this.template){const t={};return u(t,e),t.template=function(){const e[].slice.call(arguments);return
y.apply(null,[t.template].concat(e)),Object.setPrototypeOf(t,d.prototype),Object.setPrototypeOf(t.template,t),t.tem
plate.constructor=d,t.template}u(this,e)}o&&(i.blue.open="\\u001b[94m");for(const e of
Object.keys(i))i[e].closeRe=new RegExp(n(i[e].close),"g"),p[e]={get(){const t=i[e];return
f.call(this,this._styles?this._styles.concat(t):[t],this._empty,e)};p.visible={get(){return
f.call(this,this._styles||[],!0,"visible")}},i.color.closeRe=new RegExp(n(i.color.close),"g");for(const e of
Object.keys(i.color.ansi))c.has(e)||(p[e]={get(){const t=this.level;return function(){const
r=i.color[[t]][e].apply(null,arguments),n={open:r,close:i.color.close,closeRe:i.color.closeRe};return
f.call(this,this._styles?this._styles.concat(n):[n],this._empty,e)};i.bgColor.closeRe=new
RegExp(n(i.bgColor.close),"g");for(const e of
Object.keys(i.bgColor.ansi)){if(c.has(e))continue;p["bg"+e[0].toUpperCase()+e.slice(1)]=get(){const
t=this.level;return function(){const
r=i.bgColor[[t]][e].apply(null,arguments),n={open:r,close:i.bgColor.close,closeRe:i.bgColor.closeRe};return
f.call(this,this._styles?this._styles.concat(n):[n],this._empty,e)}}}const
h=Object.defineProperties(=>{p},function f(e,t,r){const n=function(){return
m.apply(n,arguments)};n._styles=e,n._empty=t;const i=this;return
Object.defineProperty(n,"level",{enumerable:!0,get:()=>i.level,set(e){i.level=e}},Object.defineProperty(n,"e
nabled",{enumerable:!0,get:()=>i.enabled,set(e){i.enabled=e}},n.hasGrey=this.hasGrey||"gray"===r||"grey\
"===r,n.__proto__=h,n}function m(){const e=arguments,t=e.length;let
r=String(arguments[0]);if(0===t)return"";if(t>1)for(let n=1;n<t;n++)r+=""
+e[n];if(!this.enabled||this.level<=0)!r)return this._empty?"":"r";const
n=i.dim.open;o&&this.hasGrey&&(i.dim.open="");for(const e of
this._styles.slice().reverse())r=e.open+r.replace(e.closeRe,e.open)+e.close,r=r.replace(/\\r?\\n/g,`${e.close}$&$e
.open`);return i.dim.open=n,r}function y(e,t){if(!Array.isArray(t))return[].slice.call(arguments,1).join("")
);const r[].slice.call(arguments,2),n=[t.raw[0]];for(let e=1;e<t.length;e++)n.push(String(r[e-
1]).replace(/[{}|\\\\\\\\|g,\\\\\\\\\\\\\\\\$&\\\\\\\\)),n.push(String(t.raw[e]));return
```

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a(e,n.join("\\\\\\"))}Object.defineProperties(d.prototype,p),e.exports=d(),e.exports.supportsColor=s,e.exports.default
=e.exports},function(e,t,r){\\"use strict\\";var
n=/[\\\\\\\\\\\\\\\\}{O[\\\\\\\\\\\\\\\\^$+*?.]/g;e.exports=function(e){if(\\\\"string\\"!=typeof e)throw new TypeError(\\\\"Expected a
string\\"");return e.replace(n,\\\\"\\\\\\\\\\\\\\\\$&\\\\\\\\\\")},function(e,t,r){\\"use strict\\";(function(e){const
t=r(348),n=(e,r)=>function(){const n=e.apply(t,arguments);return`\\u001b[${n+r}m`},i=(e,r)=>function(){const
n=e.apply(t,arguments);return`\\u001b[${38+r};5;${n}m`},s=(e,r)=>function(){const
n=e.apply(t,arguments);return`\\u001b[${38+r};2;${n[0]};${n[1]};${n[2]}m`};Object.defineProperty(e,\\\\"exports\\\\"
\\",{enumerable:!0,get:function(){const e=new
Map,r={ modifier: { reset:[0,0],bold:[1,22],dim:[2,22],italic:[3,23],underline:[4,24],inverse:[7,27],hidden:[8,28],strike
through:[9,29]},color: { black:[30,39],red:[31,39],green:[32,39],yellow:[33,39],blue:[34,39],magenta:[35,39],cyan:[3
6,39],white:[37,39],gray:[90,39],redBright:[91,39],greenBright:[92,39],yellowBright:[93,39],blueBright:[94,39],ma
gentaBright:[95,39],cyanBright:[96,39],whiteBright:[97,39]},bgColor: { bgBlack:[40,49],bgRed:[41,49],bgGreen:[42
,49],bgYellow:[43,49],bgBlue:[44,49],bgMagenta:[45,49],bgCyan:[46,49],bgWhite:[47,49],bgBlackBright:[100,49],
bgRedBright:[101,49],bgGreenBright:[102,49],bgYellowBright:[103,49],bgBlueBright:[104,49],bgMagentaBright:[
105,49],bgCyanBright:[106,49],bgWhiteBright:[107,49]}},r.color.grey=r.color.gray;for(const t of
Object.keys(r)){const n=r[t];for(const t of Object.keys(n)){const
i=n[t];r[t]={ open:`\\u001b[${i[0]}m`,close:`\\u001b[${i[1]}m`},n[t]=r[t],e.set(i[0],i[1])}Object.defineProperty(r,t,{
value:n,enumerable:!1}),Object.defineProperty(r,\\\\"codes\\\\",{ value:e,enumerable:!1})}const
a=e=>e,o=(e,t,r)=>[e,t,r];r.color.close=\\\\"\\u001b[39m\\\\" ,r.bgColor.close=\\\\"\\u001b[49m\\\\" ,r.color.ansi={ ansi:n(
a,0)},r.color.ansi256={ ansi256:i(a,0)},r.color.ansi16m={ rgb:s(o,0)},r.bgColor.ansi={ ansi:n(a,10)},r.bgColor.ansi25
6={ ansi256:i(a,10)},r.bgColor.ansi16m={ rgb:s(o,10)};for(let e of Object.keys(t)){if(\\\\"object\\"!=typeof
t[e])continue;const a=t[e];\\\\"ansi16\\"===e&&(e=\\\\"ansi\\\\"),\\\\"ansi16\\"in
a&&(r.color.ansi[e]=n(a.ansi16,0),r.bgColor.ansi[e]=n(a.ansi16,10)),\\\\"ansi256\\"in
a&&(r.color.ansi256[e]=i(a.ansi256,0),r.bgColor.ansi256[e]=i(a.ansi256,10)),\\\\"rgb\\"in
a&&(r.color.ansi16m[e]=s(a.rgb,0),r.bgColor.ansi16m[e]=s(a.rgb,10))}return
r}}).call(this,r(31)(e)),function(e,t,r){ var
n=r(126),i=r(350),s={};Object.keys(n).forEach((function(e){s[e]={},Object.defineProperty(s[e],\\\\"channels\\\\",{ val
ue:n[e].channels}),Object.defineProperty(s[e],\\\\"labels\\\\",{ value:n[e].labels});var
t=i(e);Object.keys(t).forEach((function(r){ var n=t[r];s[e][r]=function(e){ var t=function(t){ if(null==t)return
t;arguments.length>1&&(t=Array.prototype.slice.call(arguments));var r=e(t);if(\\\\"object\\"==typeof r)for(var
n=r.length,i=0;i<n;i++)r[i]=Math.round(r[i]);return r};return\\\\"conversion\\"in
e&&(t.conversion=e.conversion),t)(n),s[e][r].raw=function(e){ var t=function(t){ return
null==t?t:(arguments.length>1&&(t=Array.prototype.slice.call(arguments)),e(t));return\\\\"conversion\\"in
e&&(t.conversion=e.conversion),t)(n)}})),e.exports=s},function(e,t,r){\\"use
strict\\";e.exports={ aliceblue:[240,248,255],antiquewhite:[250,235,215],aqua:[0,255,255],aquamarine:[127,255,212
],azure:[240,255,255],beige:[245,245,220],bisque:[255,228,196],black:[0,0,0],blanchedalmond:[255,235,205],blue:[
0,0,255],blueviolet:[138,43,226],brown:[165,42,42],burlywood:[222,184,135],cadetblue:[95,158,160],chartreuse:[12
7,255,0],chocolate:[210,105,30],coral:[255,127,80],cornflowerblue:[100,149,237],cornsilk:[255,248,220],crimson:[
220,20,60],cyan:[0,255,255],darkblue:[0,0,139],darkcyan:[0,139,139],darkgoldenrod:[184,134,11],darkgray:[169,16
9,169],darkgreen:[0,100,0],darkgrey:[169,169,169],darkkhaki:[189,183,107],darkmagenta:[139,0,139],darkolivegre
en:[85,107,47],darkorange:[255,140,0],darkorchid:[153,50,204],darkred:[139,0,0],darksalmon:[233,150,122],darkse
agreen:[143,188,143],darkslateblue:[72,61,139],darkslategray:[47,79,79],darkslategrey:[47,79,79],darkturquoise:[0,
206,209],darkviolet:[148,0,211],deeppink:[255,20,147],deepskyblue:[0,191,255],dimgray:[105,105,105],dimgrey:[1
05,105,105],dodgerblue:[30,144,255],firebrick:[178,34,34],floralwhite:[255,250,240],forestgreen:[34,139,34],fuchsi
a:[255,0,255],gainsboro:[220,220,220],ghostwhite:[248,248,255],gold:[255,215,0],goldenrod:[218,165,32],gray:[12
8,128,128],green:[0,128,0],greenyellow:[173,255,47],grey:[128,128,128],honeydew:[240,255,240],hotpink:[255,10
5,180],indianred:[205,92,92],indigo:[75,0,130],ivory:[255,255,240],khaki:[240,230,140],lavender:[230,230,250],lav
enderblush:[255,240,245],lawngreen:[124,252,0],lemonchiffon:[255,250,205],lightblue:[173,216,230],lightcoral:[24

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0,128,128],lightcyan:[224,255,255],lightgoldenrodyellow:[250,250,210],lightgray:[211,211,211],lightgreen:[144,23
8,144],lightgrey:[211,211,211],lightpink:[255,182,193],lightsalmon:[255,160,122],lightseagreen:[32,178,170],lights
kyblue:[135,206,250],lightslategray:[119,136,153],lightslategrey:[119,136,153],lightsteelblue:[176,196,222],lightye
llow:[255,255,224],lime:[0,255,0],limegreen:[50,205,50],linen:[250,240,230],magenta:[255,0,255],maroon:[128,0,0
],mediumaquamarine:[102,205,170],mediumblue:[0,0,205],mediumorchid:[186,85,211],mediumpurple:[147,112,21
9],mediumseagreen:[60,179,113],mediumslateblue:[123,104,238],mediumspringgreen:[0,250,154],mediumturquoise
:[72,209,204],mediumvioletred:[199,21,133],midnightblue:[25,25,112],mintcream:[245,255,250],mistyrose:[255,22
8,225],moccasin:[255,228,181],navajowhite:[255,222,173],navy:[0,0,128],oldlace:[253,245,230],olive:[128,128,0],o
livedrab:[107,142,35],orange:[255,165,0],orangered:[255,69,0],orchid:[218,112,214],palegoldenrod:[238,232,170],p
alegreen:[152,251,152],paleturquoise:[175,238,238],palevioletred:[219,112,147],papayawhip:[255,239,213],peachp
uff:[255,218,185],peru:[205,133,63],pink:[255,192,203],plum:[221,160,221],powderblue:[176,224,230],purple:[128
,0,128],rebeccapurple:[102,51,153],red:[255,0,0],rosybrown:[188,143,143],royalblue:[65,105,225],saddlebrown:[13
9,69,19],salmon:[250,128,114],sandybrown:[244,164,96],seagreen:[46,139,87],seashell:[255,245,238],sienna:[160,8
2,45],silver:[192,192,192],skyblue:[135,206,235],slateblue:[106,90,205],slategray:[112,128,144],slategrey:[112,128
,144],snow:[255,250,250],springgreen:[0,255,127],steelblue:[70,130,180],tan:[210,180,140],teal:[0,128,128],thistle:
[216,191,216],tomato:[255,99,71],turquoise:[64,224,208],violet:[238,130,238],wheat:[245,222,179],white:[255,255,
255],whitesmoke:[245,245,245],yellow:[255,255,0],yellowgreen:[154,205,50] },function(e,t,r){var
n=r(126);function i(e){var t=function(){for(var e={},t=Object.keys(n),r=t.length,i=0;i<r;i++)e[t[i]]=[{distance:-
1,parent:null};return e}(),r=[e];for(t[e].distance=0;r.length;)for(var
i=r.pop(),s=Object.keys(n[i]),a=s.length,o=0;o<a;o++){var l=s[o],c=t[l];-
1===c.distance&&(c.distance=t[i].distance+1,c.parent=i,r.unshift(l))}return t}function s(e,t){return
function(r){return t(e(r))}}function a(e,t){for(var
r=[t[e].parent,e],i=n[t[e].parent][e],a=t[e].parent;t[a].parent;r.unshift(t[a].parent),i=s(n[t[a].parent][a],i),a=t[a].paren
t;return i.conversion=r,i)e.exports=function(e){for(var t=i(e),r={},n=Object.keys(t),s=n.length,o=0;o<s;o++){var
l=n[o];null!=t[l].parent&&(r[l]=a(l,t))}return r}},function(e,t,r){use strict";const
n=r(98),i=r(99),s=process.env;let a;function o(e){return function(e){return
0!=e&&{level:e,hasBasic:!0,has256:e>=2,has16m:e>=3}}(function(e){if(!1===a)return
0;if(i(i("color=16m"))||i("color=full"))||i("color=truecolor"))return 3;if(i("color=256"))return
2;if(e&&!e.isTTY&&!0===a)return 0;const t=a?1:0;if("win32"===process.platform){const
e=n.release().split(".").split(".");return
Number(process.versions.node.split(".").split(".")[0])>=8&&Number(e[0])>=10&&Number(e[2])>=10586?Number(e[2])
)>=14931?3:2:1}if("CI" in
s)return["TRAVIS","CIRCLECI","APPVEYOR","GITLAB_CI"].some(e=>e in
s)||"codeship"===s.CI_NAME?1:t;if("TEAMCITY_VERSION" in s)return^(9|)(0*[1-
9])d*)||d{2,}|.test(s.TEAMCITY_VERSION)?1:0;if("truecolor"===s.COLORTERM)return
3;if("TERM_PROGRAM" in s){const
e=parseInt((s.TERM_PROGRAM_VERSION||").split(".").split(".")[0],10);switch(s.TERM_PROGRAM){case"iTerm.app":return e>=3?3:2;case"Apple_Terminal":return 2}}return/-
256(color)?$/i.test(s.TERM)?2:/^screen|^xterm|^vt100|^vt220|^rxvt|color|ansi|cygwin|linux/i.test(s.TERM)||"COL
ORTERM" in s?1:(s.TERM,t)(e)}i("no-color")||i("no-
colors")||i("color=false")?a=!1:(i("color")||i("colors")||i("color=true")||i("color=always"))&&(
a=!0),FORCE_COLOR" in
s&&(a=0===s.FORCE_COLOR.length||0===parseInt(s.FORCE_COLOR,10)),e.exports={supportsColor:o,stdout:o(
process.stdout),stderr:o(process.stderr)}},function(e,t,r){use strict";const n=/(?:::\\|\\u[a-f\\d]{4}|x[a-
f\\d]{2}|.)?(?:\\{(~)?(\\w+(?:\\[[^]]*\\])?(?:\\|\\.\\.\\.\\.\\.\\w+(?:\\[[^]]*\\])?)*)(?:[
\\t](?:=\\|r?\\|n))|(?:\\|\\.\\.\\.\\.\\.\\w+(?:\\[[^]]*\\])?)+?)/gi,i=/(?:\\w+(?:\\[[^]]*\\])?)/gi,s=/(["'])(?:\\|\\.\\.\\.\\.\\.\\w+(?:\\[[^]]*\\])?)*\\1$/i,a=/\\|\\.\\.\\.\\.\\.\\w+(?:\\[[^]]*\\])?\\1$/i,x[a-f\\d]{4}|x[a-f\\d]{2}|.|(\\[[^]]*\\])/gi,o=new
Map([["n"],["r"],["t"],["b"],["f"],["v"],["

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    "\v",["0",,"\0"],["\",""],["e",,"\u001b"],["a",,"\u0007"]];function
    l(e){return"u"===e[0]&&5===e.length?"x"===e[0]&&3===e.length?String.fromCharCode(parseInt(e.slice
    (1,16)):o.get(e)|e}function c(e,t){const r=[],n=t.trim().split(/\s*,\s*/g);let i;for(const t of
    n)if(isNaN(t)){if(!i=t.match(s))throw new Error(`Invalid Chalk template style argument: ${t} (in style
    '${e}')`);r.push(i[2].replace(a,(e,t,r)=>t?l(t:r))}else r.push(Number(t));return r}function p(e){i.lastIndex=0;const
    t=[];let r;for(;;){const e=r[1];if(r[2]){const n=c(e,r[2]);t.push([e].concat(n))}else
    t.push([e])}return t}function u(e,t){const r={};for(const e of t)for(const t of
    e.styles)r[t[0]]=e.inverse?null:t.slice(1);let n=e;for(const e of Object.keys(r))if(Array.isArray(r[e])){if(!(e in
    n))throw new Error(`Unknown Chalk style: \${e}`);n=r[e].length>0?n[e].apply(n,r[e]):n[e]}return
    n}e.exports=(e,t)=>{const r=[],i=[];let s=[];if(t.replace(n,(t,n,a,o,c,d)=>{if(n)s.push(l(n));else if(o){const
    t=s.join("");s=[],i.push(0===r.length?t:u(e,r)(t)),r.push({inverse:a,styles:p(o)})}else if(c){if(0===r.length)throw
    new Error(`Found extraneous } in Chalk template literal`);i.push(u(e,r)(s.join(""))),s=[],r.pop()}else
    s.push(d)),i.push(s.join(""))},r.length>0){const e=`Chalk template literal is missing ${r.length} closing
    bracket${1===r.length?"":":s"} ({{{ }`);throw new Error(e)}return i.join("")}},function(e,t,r){`use
    strict`;Object.defineProperty(t,`__esModule`,{value:!0}),t.evaluateTruthy=function(){const
    e=this.evaluate();if(e.confident)return!e.value},t.evaluate=function(){const
    e={confident:!0,deoptPath:null,seen:new Map};let t=a(this,e);e.confident|(t=void
    0);return{confident:e.confident,deopt:e.deoptPath,value:t}};const
    n=["String","Number","Math"],i=["random"];function
    s(e,t){t.confident&&(t.deoptPath=e,t.confident=!1)}function a(e,t){const{node:r}=e,{seen:l}=t;if(l.has(r)){const
    n=l.get(r);return n.resolved?n.value:void s(e,t)}{const c={resolved:!1};l.set(r,c);const
    p=function(e,t){if(!t.confident)return;const{node:r}=e;if(e.isSequenceExpression()){const
    r=e.get("expressions");return a(r[r.length-
    1],t)}if(e.isStringLiteral())||e.isNumericLiteral())||e.isBooleanLiteral())return r.value;if(e.isNullLiteral())return
    null;if(e.isTemplateLiteral())return
    o(e,r.quasis,t);if(e.isTaggedTemplateExpression())&&e.get("tag").isMemberExpression()){const
    n=e.get("tag.object"),{node:i}={name:i}=n,s=e.get("tag.property");if(n.isIdentifier())&&"String"===i&&!
    e.scope.getBinding(i,!0)&&s.isIdentifier}&&"raw"===s.node.name)return
    o(e,r.quasi.quasis,!0)}if(e.isConditionalExpression()){const r=a(e.get("test"),t);if(!t.confident)return;return
    a(r?e.get("consequent"):e.get("alternate"),t)}if(e.isExpressionWrapper())return
    a(e.get("expression"),t);if(e.isMemberExpression())&&!e.parentPath.isCallExpression({callee:r}){const
    t=e.get("property"),r=e.get("object");if(r.isLiteral())&&t.isIdentifier()){const e=r.node.value,n=typeof
    e;if("number"===n||"string"===n)return e[t.node.name]}if(e.isReferencedIdentifier()){const
    n=e.scope.getBinding(r.name);if(n&&n.constantViolations.length>0)return
    s(n.path,t);if(n&&e.node.start<n.path.node.end)return s(n.path,t);if(null===n?void 0:n.hasValue)return
    n.value;if("undefined"===r.name)return n?s(n.path,t):void 0;if("Infinity"===r.name)return
    n?s(n.path,t):1/0;if("NaN"===r.name)return n?s(n.path,t):NaN;const i=e.resolve();return
    i===e?s(e,t):a(i,t)}if(e.isUnaryExpression({prefix:!0}){if("void"===r.operator)return;const
    n=e.get("argument");if("typeof"===r.operator&&(n.isFunction())||n.isClass())return"function";const
    i=a(n,t);if(!t.confident)return;switch(r.operator){case"!":return!i;case"+":return+i;case"-":return-
    i;case"~":return~i;case"typeof":return typeof i}}if(e.isArrayExpression()){const
    r=[],n=e.get("elements");for(const e of n){const n=e.evaluate();if(!n.confident)return
    s(n.deopt,t);r.push(n.value)}return r}if(e.isObjectExpression()){const r={},n=e.get("properties");for(const e of
    n){if(e.isObjectMethod())||e.isSpreadElement())return s(e,t);let
    n=e.get("key");if(e.node.computed){if(n=n.evaluate(),!n.confident)return s(n.deopt,t);n=n.value}else
    n=n.isIdentifier()?n.node.name:n.node.value;let i=e.get("value").evaluate();if(!i.confident)return
    s(i.deopt,t);i=i.value,r[n]=i}return r}if(e.isLogicalExpression()){const
    n=t.confident,i=a(e.get("left"),t),s=t.confident;t.confident=n;const

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o=a(e.get("\\right\\"),t),l=t.confident;switch(r.operator){case\\"/\\":if(t.confident=s&&(!!i||l),!t.confident)return;return i||o;case\\"&&\\":if(t.confident=s&&(i||l),!t.confident)return;return i&&o}}if(e.isBinaryExpression()){const n=a(e.get("\\left\\"),t);if(!t.confident)return;const i=a(e.get("\\right\\"),t);if(!t.confident)return;switch(r.operator){case\\"-\\":return n-i;case\\"+\\":return n+i;case\\"/\\":return n/i;case\\"*\\":return n*i;case\\"%\\":return n%i;case\\"**\\":return Math.pow(n,i);case\\"<\\":return n<i;case\\">\\":return n>i;case\\"<=\\":return n<=i;case\\">=\\":return n>=i;case\\"==\\":return n==i;case\\"!=\\":return n!=i;case\\"===\\":return n===i;case\\"!==\\":return n!==i;case\\"|\\":return n|i;case\\"&\\":return n&i;case\\"^\\":return n^i;case\\"<<\\":return n<<i;case\\">>\\":return n>>i;case\\">>>\\":return n>>>i}}if(e.isCallExpression()){const s=e.get("\\callee\\");let o,l;if(s.isIdentifier())&&!e.scope.getBinding(s.node.name,!0)&&n.indexOf(s.node.name)>=0&&(l=global[r.callee.name]),s.isMemberExpression()){const e=s.get("\\object\\"),t=s.get("\\property\\");if(e.isIdentifier())&&t.isIdentifier()&&n.indexOf(e.node.name)>=0&&i.indexOf(t.node.name)<0&&(o=global[e.node.name],l=o[t.node.name]),e.isLiteral()&&t.isIdentifier()){const r=typeof e.node.value;\\string\\"!=r&&\\number\\"!=r||(o=e.node.value,l=o[t.node.name])}}if(l){const r=e.get("\\arguments\\").map(e=>a(e,t));if(!t.confident)return;return l.apply(o,r)}s(e,t)}(e,t);return t.confident&&(c.resolved=!0,c.value=p),p}}function o(e,t,r,n=1){let i=\\\\"\\",s=0;const o=e.get("\\expressions\\");for(const e of t){if(!r.confident)break;i+=n?e.value.raw:e.value.cooked;const t=o[s++];t&&(i+=String(a(t,r)))}if(r.confident)return i}},function(e,t,r){\\use strict\\";Object.defineProperty(t,\\__esModule\\",{value:!0}),t.toComputedKey=function(){const e=this.node;let t;if(this.isMemberExpression())t=e.property;else{if(!this.isProperty()&&!this.isMethod())throw new ReferenceError(\\todo\\");t=e.key}e.computed|i.isIdentifier(t)&&(t=i.stringLiteral(t.name));return t},t.ensureBlock=function(){const e=this.get("\\body\\"),t=e.node;if(Array.isArray(e))throw new Error(\\Can't convert array path to a block statement\\");if(!t)throw new Error(\\Can't convert node without a body\\");if(e.isBlockStatement())return t;const r=[];let n,s,a=\\body\\";e.isStatement()?(s=\\body\\",n=0,r.push(e.node)):(a+=\\.body.0\\",this.isFunction()?(n=\\argument\\",r.push(i.returnStatement(e.node))):(n=\\expression\\",r.push(i.expressionStatement(e.node))));this.node.body=i.blockStatement(r);const o=this.get(a);return e.setup(o,s?o.node[s]:o.node,s,n),this.node},t.arrowFunctionToShadowed=function(){if(!this.isArrowFunctionExpression())return this.arrowFunctionToExpression();t.unwrapFunctionEnvironment=function(){if(!this.isArrowFunctionOnExpression()&&!this.isFunctionExpression()&&!this.isFunctionDeclaration())throw this.buildCodeFrameError(\\Can only unwrap the environment of a function.\\");o(this)},t.arrowFunctionToExpression=function({allowInsertArrow:e=!0,specCompliant:t=!1})={if(!this.isArrowFunctionExpression())throw this.buildCodeFrameError(\\Cannot convert non-arrow function to a function expression.\\");const r=o(this,t,e);if(this.ensureBlock(),this.node.type=\\FunctionExpression\\",t){const e=r?null:this.parentPath.scope.generateUidIdentifier(\\arrowCheckId\\");e&&this.parentPath.scope.push({id:e,init:i.objectExpression([])}),this.get("\\body\\").unshiftContainer(\\body\\",i.expressionStatement(i.callExpression(this.hub.addHelper(\\newArrowCheck\\"),[i.thisExpression(),e?i.identifier(e.name):i.identifier(r)])),this.replaceWith(i.callExpression(i.memberExpression((0,s.default)(this,!0)||this.node,i.identifier(\\bind\\")),[e?i.identifier(e.name):i.thisExpression()])))}};var n,i=function(e){if(e&&e.__esModule)return e;if(null===e||\\object\\"!=typeof e&&\\function\\"!=typeof e)return{default:e};var t=a();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in e)if(Object.prototype.hasOwnProperty.call(e,i)){var s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t&&t.set(e,r);return r}(r(0)),s=(n=r(355))&&n.__esModule?n:{default:n};function a(){if(\\function\\"!=typeof WeakMap)return null;var e=new WeakMap;return a=function(){return e},e}function o(e,t=!1,r=!0){const n=e.findParent(e=>e.isFunction()&&!e.isArrowFunctionExpression()||e.isProgram()||e.isClassProperty({static:!1})),s=\\constructor\\"===n?(null===n?void 0:n.node.kind);if(n.isClassProperty())throw e.buildCodeFrameError(\\Unable to transform arrow inside class

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property\\");const{ thisPaths:a,argumentsPaths:o,newTargetPaths:p,superProps:u,superCalls:d}=function(e){ const
t=[],r=[],n=[],i=[],s=[];return
e.traverse({ ClassProperty(e){e.skip()},Function(e){e.isArrowFunctionExpression()||e.skip()},ThisExpression(e){t.p
ush(e)},JSXIdentifier(e){\\"this\\"===e.node.name&&(e.parentPath.isJSXMemberExpression({ object:e.node}))||e.p
arentPath.isJSXOpeningElement({ name:e.node})&&t.push(e)},CallExpression(e){e.get(\\\"callee\\\")&&.isSuper()&&
s.push(e)},MemberExpression(e){e.get(\\\"object\\\")&&.isSuper()&&i.push(e)},ReferencedIdentifier(e){\\"arguments\
\\"===e.node.name&&r.push(e)},MetaProperty(e){e.get(\\\"meta\\\")&&.isIdentifier({ name:\\\"new\\\")}&&.get(\\\"pr
operty\\\")&&.isIdentifier({ name:\\\"target\\\")}&&n.push(e)}},{ thisPaths:t,argumentsPaths:r,newTargetPaths:n,superP
rops:i,superCalls:s})(e);if(s&&d.length>0){if(!r)throw d[0].buildCodeFrameError(\\\"Unable to handle nested
super() usage in arrow\\");const
e=[];n.traverse({ Function(e){e.isArrowFunctionExpression()||e.skip()},ClassProperty(e){e.skip()},CallExpression(t)
{t.get(\\\"callee\\\")&&.isSuper()&&.push(t)});const t=function(e){return c(e,\\\"supercall\\\",()=>{const
t=e.scope.generateUidIdentifier(\\\"args\\\");return
i.arrowFunctionExpression([i.restElement(t),i.callExpression(i.super(),[i.spreadElement(i.identifier(t.name))])])})(
n);e.forEach(e=>{const
r=i.identifier(t);r.loc=e.node.callee.loc,e.get(\\\"callee\\\").replaceWith(r)});if(o.length>0){const
e=c(n,\\\"arguments\\\",()=>i.identifier(\\\"arguments\\\"));o.forEach(t=>{const
r=i.identifier(e);r.loc=t.node.loc,t.replaceWith(r)});if(p.length>0){const
e=c(n,\\\"newtarget\\\",()=>i.metaProperty(i.identifier(\\\"new\\\"),i.identifier(\\\"target\\\")));p.forEach(t=>{const
r=i.identifier(e);r.loc=t.node.loc,t.replaceWith(r)});if(u.length>0){if(!r)throw u[0].buildCodeFrameError(\\\"Unable
to handle nested super.prop
usage\\");u.reduce((e,t)=>e.concat(function(e){if(e.parentPath.isAssignmentExpression()&&\\\"=\\\"!===e.parentPat
h.node.operator){const t=e.parentPath,r=t.node.operator.slice(0,-
1),n=t.node.right;if(t.node.operator=\\\"=\\\",e.node.computed){const
s=e.scope.generateDeclaredUidIdentifier(\\\"tmp\\\");t.get(\\\"left\\\").replaceWith(i.memberExpression(e.node.objec
t,i.assignmentExpression(\\\"=\\\",s,e.node.property),!0)),t.get(\\\"right\\\").replaceWith(i.binaryExpression(r,i.membe
rExpression(e.node.object,i.identifier(s.name),!0),n))}else
t.get(\\\"left\\\").replaceWith(i.memberExpression(e.node.object,e.node.property)),t.get(\\\"right\\\").replaceWith(i.bi
naryExpression(r,i.memberExpression(e.node.object,i.identifier(e.node.property.name)),n));return[t.get(\\\"left\\\"),t.
get(\\\"right\\\"),get(\\\"left\\\")]}if(e.parentPath.isUpdateExpression()){const
t=e.parentPath,r=e.scope.generateDeclaredUidIdentifier(\\\"tmp\\\"),n=e.node.computed?e.scope.generateDeclaredU
idIdentifier(\\\"prop\\\"):null,s=[i.assignmentExpression(\\\"=\\\",r,i.memberExpression(e.node.object,n?i.assignment
Expression(\\\"=\\\",n,e.node.property):e.node.property,e.node.computed)),i.assignmentExpression(\\\"=\\\",i.membe
rExpression(e.node.object,n?i.identifier(n.name):e.node.property,e.node.computed),i.binaryExpression(\\\"+\\\",i.ide
ntifier(r.name),i.numericLiteral(1))];e.parentPath.node.prefix||s.push(i.identifier(r.name)),t.replaceWith(i.sequence
Expression(s));const
a=t.get(\\\"expressions.0.right\\\"),o=t.get(\\\"expressions.1.left\\\");return[a,o]}return[e]}(t),[]).forEach(e=>{const
t=e.node.computed?\\\"\\\":e.get(\\\"property\\\").node.name,r=e.parentPath.isAssignmentExpression({ left:e.node}),s
=e.parentPath.isCallExpression({ callee:e.node}),o=function(e,t,r){return
c(e,`superprop_${t}?\\\"set\\\":\\\"get\\\":${r}\\\"\\\"}`,(()=>{const n=[];let
s;if(r)s=i.memberExpression(i.super(),i.identifier(r));else{const
t=e.scope.generateUidIdentifier(\\\"prop\\\");n.unshift(t),s=i.memberExpression(i.super(),i.identifier(t.name),!0)}if(t
){const
t=e.scope.generateUidIdentifier(\\\"value\\\");n.push(t),s=i.assignmentExpression(\\\"=\\\",s,i.identifier(t.name))}retu
rn i.arrowFunctionExpression(n,s)})(n,r,t),l=[];if(e.node.computed&&l.push(e.get(\\\"property\\\").node),r){const
t=e.parentPath.node.right;l.push(t)}const
p=i.callExpression(i.identifier(o),l);s?(e.parentPath.unshiftContainer(\\\"arguments\\\",i.thisExpression()),e.replace
With(i.memberExpression(p,i.identifier(\\\"call\\\"))),a.push(e.parentPath.get(\\\"arguments.0\\\")))r?e.parentPath.re

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placeWith(p):e.replaceWith(p)})let h;return(a.length>0|t)&&(h=function(e,t){return
c(e,\\\\"this\\\\" ,r=>{if(!t||!(e))return i.thisExpression();const n=new
WeakSet;e.traverse({Function(e){e.isArrowFunctionExpression()||e.skip()},ClassProperty(e){e.skip()},CallExpressi
on(e){e.get(\\\\"callee\\\\" ).isSuper()&&(n.has(e.node)||n.add(e.node),e.replaceWithMultiple([e.node,i.assignmentEx
pression(\\\\"=\\\\" ,i.identifier(r),i.identifier(\\\\"this\\\\" ))]))})}(n,s),(!t|s&&l(n))&&(a.forEach(e=>{const
t=e.isJSX()?i.jsxIdentifier(h):i.identifier(h);t.loc=e.node.loc,e.replaceWith(t)},t&&(h=null))),h}function l(e){return
e.isClassMethod()&&!e.parentPath.parentPath.node.superClass}function c(e,t,r){const n=\\\\"binding:\\\\" +t;let
i=e.getData(n);if(!i){const
s=e.scope.generateUidIdentifier(t);i=s.name,e.setData(n,i),e.scope.push({id:s,init:r(i)})}return
i}},function(e,t,r){\\\\"use
strict\\\\" ;Object.defineProperty(t,\\\\"__esModule\\\\" ,{value:!0}),t.default=function({node:e,parent:t,scope:r,id:i},a=!
1){if(e.id)return;if(!s.isObjectProperty(t)&&!s.isObjectMethod(t,{kind:\\\\"method\\\\" })|t.computed&&!s.isLiteral(t.
key)){if(s.isVariableDeclarator(t)){if(i=t.id,s.isIdentifier(i)&&!a){const
t=r.parent.getBinding(i.name);if(t&&t.constant&&r.getBinding(i.name)===t)return
e.id=s.cloneNode(i),void(e.id[s.NOT_LOCAL_BINDING]=!0)}else
if(s.isAssignmentExpression(t,{operator:\\\\"=\\\\" })|i=t.left;else if(!i)return }else i=t.key;let
o;i&&s.isLiteral(i)?o=function(e){if(s.isNullLiteral(e))return\\\\"null\\\\" ;if(s.isRegExpLiteral(e))return`_${e.pattern}
_${e.flags}`;if(s.isTemplateLiteral(e))return e.quasis.map(e=>e.value.raw).join(\\\\"\\\\" );if(void 0!===e.value)return
e.value+\\\\"\\\\" ;return\\\\"\\\\" }):i&&s.isIdentifier(i)&&(o=i.name);if(void
0===o)return;o=s.toBindingIdentifierName(o),(i=s.identifier(o))[s.NOT_LOCAL_BINDING]=!0;return
function(e,t,r,i){if(e.selfReference){if(!i.hasBinding(r.name)||i.hasGlobal(r.name)){if(!s.isFunction(t))return;let
e=l;t.generator&&(e=c);const
a=e({FUNCTION:t,FUNCTION_ID:r,FUNCTION_KEY:i.generateUidIdentifier(r.name)}).expression,o=a.callee.b
ody.body[0].params;for(let e=0,r=(0,n.default)(t);e<r;e++)o.push(i.generateUidIdentifier(\\\\"x\\\\" ));return
a}i.rename(r.name)}t.id=r,i.getProgramParent().references[r.name]=!0}(function(e,t,r){const
n={selfAssignment:!1,selfReference:!1,outerDeclar:r.getBindingIdentifier(t),references:[],name:t},i=r.getOwnBindi
ng(t);i?\\\\"param\\\\" ===i.kind&&(n.selfReference=!0):(n.outerDeclar|r.hasGlobal(t))&&r.traverse(e,p,n);return
n}(e,o,r),e,i,r)|e};var n=o(r(356)),i=o(r(357)),s=function(e){if(e&&e.__esModule)return
e;if(null===e|\\\\"object\\\\" !=typeof e&&\\\\"function\\\\" !=typeof e)return{default:e};var t=a();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(20));function a(){if(\\\\"function\\\\" !=typeof WeakMap)return null;var e=new
WeakMap;return a=function(){return e},e}function o(e){return e&&e.__esModule?e:{default:e}}const
l=(0,i.default)(\\\\"\\\\"n (function (FUNCTION_KEY) {\\\\"n function FUNCTION_ID() {\\\\"n return
FUNCTION_KEY.apply(this, arguments);\\\\"n }\\\\"n\\\\"n FUNCTION_ID.toString = function () {\\\\"n return
FUNCTION_KEY.toString();\\\\"n }\\\\"n\\\\"n return FUNCTION_ID;\\\\"n
})(FUNCTION)\\\\"n\\\\""),c=(0,i.default)(\\\\"\\\\"n (function (FUNCTION_KEY) {\\\\"n function* FUNCTION_ID()
{\\\\"n return yield* FUNCTION_KEY.apply(this, arguments);\\\\"n }\\\\"n\\\\"n FUNCTION_ID.toString =
function () {\\\\"n return FUNCTION_KEY.toString();\\\\"n };\\\\"n\\\\"n return FUNCTION_ID;\\\\"n
})(FUNCTION)\\\\"n\\\\""),p={\\\\"ReferencedIdentifier|BindingIdentifier\\\\"(e,t){if(e.node.name!===t.name)return;e.sco
pe.getBindingIdentifier(t.name)===t.outerDeclar&&(t.selfReference=!0,e.stop())}},function(e,t,r){\\\\"use
strict\\\\" ;Object.defineProperty(t,\\\\"__esModule\\\\" ,{value:!0}),t.default=function(e){const t=e.params;for(let
e=0;e<t.length;e++){const r=t[e];if(n.isAssignmentPattern(r)||n.isRestElement(r))return e}return t.length};var
n=function(e){if(e&&e.__esModule)return e;if(null===e|\\\\"object\\\\" !=typeof e&&\\\\"function\\\\" !=typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var

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a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(20));function i(){if(\\\\"function\\\\"!=typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=t.program=t.expression=t.statements=t.stat
ement=t.smart=void 0;var n,i=function(e){if(e&&e.__esModule)return e;if(null===e||\\\\"object\\\\"!=typeof
e&&\\\\"function\\\\"!=typeof e)return {default:e};var t=a();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(358)),s=(n=r(359))&&n.__esModule?n:{default:n};function a(){if(\\\\"function\\\\"!=typeof
WeakMap)return null;var e=new WeakMap;return a=function(){return e},e}const
o=(0,s.default)(i.smart);t.smart=o;const l=(0,s.default)(i.statement);t.statement=l;const
c=(0,s.default)(i.statements);t.statements=c;const p=(0,s.default)(i.expression);t.expression=p;const
u=(0,s.default)(i.program);t.program=u;var d=Object.assign(o.bind(void
0),{smart:o,statement:l,statements:c,expression:p,program:u,ast:o.ast});t.default=d},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.program=t.expression=t.statement=t.statements=t.s
mart=void 0;var n=function(e){if(e&&e.__esModule)return e;if(null===e||\\\\"object\\\\"!=typeof
e&&\\\\"function\\\\"!=typeof e)return {default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(20));function i(){if(\\\\"function\\\\"!=typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e}function s(e){return {code:e=>\\\\"/* @babel/template
*/;\\\\"n\\\\"+e,validate:()=>>{}},unwrap:t=>e(t.program.body.slice(1))}const
a=s(e=>e.length>1?e:e[0]);t.smart=a;const o=s(e=>e);t.statements=o;const l=s(e=>{if(0===e.length)throw new
Error(\\\\"Found nothing to return.\\\\"");if(e.length>1)throw new Error(\\\\"Found multiple statements but wanted
one\\\\"");return e[0]});t.statement=l;const
c={code:e=>`\\\\"n${e}\\\\"n`,validate:e=>{if(e.program.body.length>1)throw new Error(\\\\"Found multiple
statements but wanted one\\\\"");if(0===c.unwrap(e).start)throw new Error(\\\\"Parse result included
parens.\\\\"")},unwrap:({program:e})=>{const[t]=e.body;return
n.assertExpressionStatement(t,t.expression)};t.expression=c;t.program={code:e=>e,validate:()=>>{}},unwrap:e=>e.p
rogram}},function(e,t,r){\\\\"use strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function
e(t,r){const a=new WeakMap,c=new WeakMap,p=r||(0,n.validate)(null);return
Object.assign((r,...o)=>{if(\\\\"string\\\\"==typeof r){if(o.length>1)throw new Error(\\\\"Unexpected extra
params.\\\\"");return l((0,i.default)(t,r,(0,n.merge)(p,(0,n.validate)(o[0])))})if(Array.isArray(r)){let e=a.get(r);return
e||(e=(0,s.default)(t,r,p),a.set(r,e)),l(e(o))}if(\\\\"object\\\\"==typeof r&&r){if(o.length>0)throw new
Error(\\\\"Unexpected extra params.\\\\"");return e(t,(0,n.merge)(p,(0,n.validate)(r)))}throw new Error(\\\\"Unexpected
template param \\\\"+typeof r)},{ast:(e,...r)=>{if(\\\\"string\\\\"==typeof e){if(r.length>1)throw new
Error(\\\\"Unexpected extra
params.\\\\"");return(0,i.default)(t,e,(0,n.merge)((0,n.merge)(p,(0,n.validate)(r[0])),o)}()if(Array.isArray(e)){let
i=c.get(e);return i||(i=(0,s.default)(t,e,(0,n.merge)(p,o)),c.set(e,i)),i(r)}()throw new Error(\\\\"Unexpected template
param \\\\"+typeof e)}}};var n=r(59),i=a(r(360)),s=a(r(362));function a(e){return
e&&e.__esModule?e:{default:e}}const o=(0,n.validate)({placeholderPattern:!1});function l(e){let
t=\\\\"\\\\";try{throw new Error}catch(e){e.stack&&(t=e.stack.split(\\\\"\\\\"n\\\\"").slice(3).join(\\\\"\\\\"n\\\\""))}return
r=>{try{return e(r)}catch(e){throw e.stack+=\\\\"\\\\"n  =====\\\\"n\\\\""+t,e}}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.default=function(e,t,r){let a;return
t=e.code(t),o=>{const l=(0,n.normalizeReplacements)(o);return
a||(a=(0,i.default)(e,t,r),e.unwrap((0,s.default)(a,l))};var n=r(59),i=a(r(127)),s=a(r(128));function a(e){return

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e&&e.__esModule?e:{default:e}},function(e,t,r){\\\\"use
strict\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0});class n{constructor(e,t={}){this.label=void
0,this.keyword=void 0,this.beforeExpr=void 0,this.startsExpr=void 0,this.rightAssociative=void 0,this.isLoop=void
0,this.isAssign=void 0,this.prefix=void 0,this.postfix=void 0,this.binop=void 0,this.updateContext=void
0,this.label=e,this.keyword=t.keyword,this.beforeExpr=!t.beforeExpr,this.startsExpr=!t.startsExpr,this.rightAssociative=!t.rightAssociative,this.isLoop=!t.isLoop,this.isAssign=!t.isAssign,this.prefix=!t.prefix,this.postfix=!t.postfix,this.binop=null!=t.binop?t.binop:null,this.updateContext=null}}const i=new Map;function
s(e,t={}){t.keyword=e;const r=new n(e,t);return i.set(e,r),r}function a(e,t){return new
n(e,{beforeExpr:!0,binop:t})}const o={num:new n(\\\\"num\\\\"",{startsExpr:!0}),bigint:new
n(\\\\"bigint\\\\"",{startsExpr:!0}),decimal:new n(\\\\"decimal\\\\"",{startsExpr:!0}),regexp:new
n(\\\\"regexp\\\\"",{startsExpr:!0}),string:new n(\\\\"string\\\\"",{startsExpr:!0}),name:new
n(\\\\"name\\\\"",{startsExpr:!0}),privateName:new n(\\\\"#name\\\\"",{startsExpr:!0}),eof:new
n(\\\\"eof\\\\"),bracketL:new n(\\\\"[\\\\"",{beforeExpr:!0,startsExpr:!0}),bracketHashL:new
n(\\\\"#[\\\\"",{beforeExpr:!0,startsExpr:!0}),bracketBarL:new n(\\\\"[\\\\"",{beforeExpr:!0,startsExpr:!0}),bracketR:new
n(\\\\"]\\\\"),bracketBarR:new n(\\\\"]\\\\"),braceL:new n(\\\\"{\\\\"",{beforeExpr:!0,startsExpr:!0}),braceBarL:new
n(\\\\"{\\\\"",{beforeExpr:!0,startsExpr:!0}),braceHashL:new n(\\\\"#{\\\\"",{beforeExpr:!0,startsExpr:!0}),braceR:new
n(\\\\"}\\\\"),braceBarR:new n(\\\\"}\\\\"),parenL:new n(\\\\"(\\\\"",{beforeExpr:!0,startsExpr:!0}),parenR:new
n(\\\\")\\\\"),comma:new n(\\\\"\\\\"",{beforeExpr:!0}),semi:new n(\\\\";\\\\"",{beforeExpr:!0}),colon:new
n(\\\\":\\\\"",{beforeExpr:!0}),doubleColon:new n(\\\\"::\\\\"",{beforeExpr:!0}),dot:new n(\\\\".\\\\"),question:new
n(\\\\"?\\\\"",{beforeExpr:!0}),questionDot:new n(\\\\"?.\\\\"),arrow:new n(\\\\"=>\\\\"",{beforeExpr:!0}),template:new
n(\\\\"template\\\\"),ellipsis:new n(\\\\"...\\\\"",{beforeExpr:!0}),backQuote:new
n(\\\\"`\\\\"",{startsExpr:!0}),dollarBraceL:new n(\\\\"$\\\\"",{beforeExpr:!0,startsExpr:!0}),at:new n(\\\\"@\\\\"),hash:new
n(\\\\"#\\\\"",{startsExpr:!0}),interpreterDirective:new n(\\\\"#!...\\\\"),eq:new
n(\\\\"=\\\\"",{beforeExpr:!0,isAssign:!0}),assign:new n(\\\\"_=\\\\"",{beforeExpr:!0,isAssign:!0}),incDec:new n(\\\\"++/--\\\\"",{prefix:!0,postfix:!0,startsExpr:!0}),bang:new n(\\\\"!\\\\"",{beforeExpr:!0,prefix:!0,startsExpr:!0}),tilde:new
n(\\\\"~\\\\"",{beforeExpr:!0,prefix:!0,startsExpr:!0}),pipeline:a(\\\\">\\\\"),0),nullishCoalescing:a(\\\\"??\\\\"),1),logicalOR:
a(\\\\"||\\\\"),1),logicalAND:a(\\\\"&&\\\\"),2),bitwiseOR:a(\\\\"|\\\\"),3),bitwiseXOR:a(\\\\"^\\\\"),4),bitwiseAND:a(\\\\"&\\\\"),5),
equality:a(\\\\"==/!=/===/!==\\\\"),6),relational:a(\\\\"</>/<=>/>=\\\\"),7),bitShift:a(\\\\"<</>>/>>=\\\\"),8),plusMin:new
n(\\\\"+/-\\\\"",{beforeExpr:!0,binop:9,prefix:!0,startsExpr:!0}),modulo:new
n(\\\\"%\\\\"",{beforeExpr:!0,binop:10,startsExpr:!0}),star:new
n(\\\\"*\\\\"",{binop:10}),slash:a(\\\\"/\\\\"),10),exponent:new
n(\\\\"**\\\\"",{beforeExpr:!0,binop:11,rightAssociative:!0}),_break:s(\\\\"break\\\\"),_case:s(\\\\"case\\\\"",{beforeExpr:!0
}),_catch:s(\\\\"catch\\\\"),_continue:s(\\\\"continue\\\\"),_debugger:s(\\\\"debugger\\\\"),_default:s(\\\\"default\\\\"",{beforeExpr:!0
}),_do:s(\\\\"do\\\\"",{isLoop:!0,beforeExpr:!0}),_else:s(\\\\"else\\\\"",{beforeExpr:!0}),_finally:s(\\\\"finally\\\\"),_for:
s(\\\\"for\\\\"",{isLoop:!0}),_function:s(\\\\"function\\\\"",{startsExpr:!0}),_if:s(\\\\"if\\\\"),_return:s(\\\\"return\\\\"",{beforeExpr:!0
}),_switch:s(\\\\"switch\\\\"),_throw:s(\\\\"throw\\\\"",{beforeExpr:!0,prefix:!0,startsExpr:!0}),_try:s(\\\\"try\\\\"),_var:
s(\\\\"var\\\\"),_const:s(\\\\"const\\\\"),_while:s(\\\\"while\\\\"",{isLoop:!0}),_with:s(\\\\"with\\\\"),_new:s(\\\\"new\\\\"",{beforeExpr:!0,startsExpr:!0}),_this:s(\\\\"this\\\\"",{startsExpr:!0}),_super:s(\\\\"super\\\\"",{startsExpr:!0}),_class:s(\\\\"class\\\\"
",{startsExpr:!0}),_extends:s(\\\\"extends\\\\"",{beforeExpr:!0}),_export:s(\\\\"export\\\\"),_import:s(\\\\"import\\\\"",{startsExpr:!0}),_null:s(\\\\"null\\\\"",{startsExpr:!0}),_true:s(\\\\"true\\\\"",{startsExpr:!0}),_false:s(\\\\"false\\\\"",{startsExpr:!0}),
_in:s(\\\\"in\\\\"",{beforeExpr:!0,binop:7}),_instanceof:s(\\\\"instanceof\\\\"",{beforeExpr:!0,binop:7}),_typeof:s(\\\\"type of\\\\"",{beforeExpr:!0,prefix:!0,startsExpr:!0}),_void:s(\\\\"void\\\\"",{beforeExpr:!0,prefix:!0,startsExpr:!0}),_delete:s(\\\\"delete\\\\"",{beforeExpr:!0,prefix:!0,startsExpr:!0}),l=/\\r\\n?|[\\n\\u2028\\u2029]/,c=new
RegExp(l.source,\\\\"g\\\\"");function p(e){switch(e){case 10:case 13:case 8232:case
8233:return!0;default:return!1}}const u=(?:\\s\\\\\\\\|\\\\\\\\.*\\\\\\\\\\\\\\\\|^)?*?\\\\\\\\\\\\\\\\*/g;function d(e){switch(e){case
9:case 11:case 12:case 32:case 160:case 5760:case 8192:case 8193:case 8194:case 8195:case 8196:case 8197:case
8198:case 8199:case 8200:case 8201:case 8202:case 8239:case 8287:case 12288:case
65279:return!0;default:return!1}}class h{constructor(e,t){this.line=void 0,this.column=void

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0,this.line=e,this.column=t}}class f{constructor(e,t){this.start=void 0,this.end=void 0,this.filename=void
0,this.identifierName=void 0,this.start=e,this.end=t}}function m(e){return e[e.length-1]}const
y=Object.freeze({SyntaxError:\""BABEL_PARSER_SYNTAX_ERROR\"",SourceTypeModuleError:\""BABEL_
PARSER_SOURCETYPE_MODULE_REQUIRED\""),T=g({AccessorIsGenerator:\""A %0ter cannot be a
generator.\""},ArgumentsInClass:\""arguments' is only allowed in functions and class
methods.\""},AsyncFunctionInSingleStatementContext:\""Async functions can only be declared at the top level or
inside a block.\""},AwaitBindingIdentifier:\""Can not use 'await' as identifier inside an async
function.\""},AwaitBindingIdentifierInStaticBlock:\""Can not use 'await' as identifier inside a static
block.\""},AwaitExpressionFormalParameter:\""await' is not allowed in async function
parameters.\""},AwaitNotInAsyncContext:\""await' is only allowed within async functions and at the top levels of
modules.\""},AwaitNotInAsyncFunction:\""await' is only allowed within async functions.\""},BadGetterArity:\""A
'get' accessor must not have any formal parameters.\""},BadSetterArity:\""A 'set' accessor must have exactly one
formal parameter.\""},BadSetterRestParameter:\""A 'set' accessor function argument must not be a rest
parameter.\""},ConstructorClassField:\""Classes may not have a field named
'constructor'.\""},ConstructorClassPrivateField:\""Classes may not have a private field named
'#constructor'.\""},ConstructorIsAccessor:\""Class constructor may not be an
accessor.\""},ConstructorIsAsync:\""Constructor can't be an async
function.\""},ConstructorIsGenerator:\""Constructor can't be a generator.\""},DeclarationMissingInitializer:\""%0'
require an initialization value.\""},DecoratorBeforeExport:\""Decorators must be placed *before* the 'export'
keyword. You can set the 'decoratorsBeforeExport' option to false to use the 'export @decorator class {}'
syntax.\""},DecoratorConstructor:\""Decorators can't be used with a constructor. Did you mean '@dec class { ...
}'?\""},DecoratorExportClass:\""Using the export keyword between a decorator and a class is not allowed. Please
use `export @dec class` instead.\""},DecoratorSemicolon:\""Decorators must not be followed by a
semicolon.\""},DecoratorStaticBlock:\""Decorators can't be used with a static
block.\""},DeletePrivateField:\""Deleting a private field is not allowed.\""},DestructureNamedImport:\""ES2015
named imports do not destructure. Use another statement for destructuring after the
import.\""},DuplicateConstructor:\""Duplicate constructor in the same class.\""},DuplicateDefaultExport:\""Only one
default export allowed per module.\""},DuplicateExport:\""%0` has already been exported. Exported identifiers
must be unique.\""},DuplicateProto:\""Redefinition of __proto__ property.\""},DuplicateRegExpFlags:\""Duplicate
regular expression flag.\""},ElementAfterRest:\""Rest element must be last
element.\""},EscapedCharNotAnIdentifier:\""Invalid Unicode escape.\""},ExportBindingIsString:\""A string literal
cannot be used as an exported binding without `from`.\\n- Did you mean `export { '%0' as '%1' } from 'some-
module`?\""},ExportDefaultFromAsIdentifier:\""from' is not allowed as an identifier after 'export
default'.\""},ForInOfLoopInitializer:\""%0' loop variable declaration may not have an
initializer.\""},ForOfAsync:\""The left-hand side of a for-of loop may not be 'async'.\""},ForOfLet:\""The left-hand
side of a for-of loop may not start with 'let'.\""},GeneratorInSingleStatementContext:\""Generators can only be
declared at the top level or inside a block.\""},IllegalBreakContinue:\""Unsyntactic
%0.\""},IllegalLanguageModeDirective:\""Illegal 'use strict' directive in function with non-simple parameter
list.\""},IllegalReturn:\""return' outside of function.\""},ImportBindingIsString:\""A string literal cannot be used as an
imported binding.\\n- Did you mean `import { %0` as foo
}`?\""},ImportCallArgumentTrailingComma:\""Trailing comma is disallowed inside import(...)
arguments.\""},ImportCallArity:\""import() requires exactly %0.\""},ImportCallNotNewExpression:\""Cannot use
new with import(...).\""},ImportCallSpreadArgument:\""...` is not allowed in
`import()`.\""},InvalidBigIntLiteral:\""Invalid BigIntLiteral.\""},InvalidCodePoint:\""Code point out of
bounds.\""},InvalidDecimal:\""Invalid decimal.\""},InvalidDigit:\""Expected number in radix
%0.\""},InvalidEscapeSequence:\""Bad character escape sequence.\""},InvalidEscapeSequenceTemplate:\""Invalid
escape sequence in template.\""},InvalidEscapedReservedWord:\""Escape sequence in keyword
%0.\""},InvalidIdentifier:\""Invalid identifier %0.\""},InvalidLhs:\""Invalid left-hand side in

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%0.\\",InvalidLhsBinding:\\",Binding invalid left-hand side in %0.\\",InvalidNumber:\\",Invalid number.\\",InvalidOrMissingExponent:\\",Floating-point numbers require a valid exponent after the 'e'.\\",InvalidOrUnexpectedToken:\\",Unexpected character '%0'.\\",InvalidParenthesizedAssignment:\\",Invalid parenthesized assignment pattern.\\",InvalidPrivateFieldResolution:\\",Private name #%0 is not defined.\\",InvalidPropertyBindingPattern:\\",Binding member expression.\\",InvalidRecordProperty:\\",Only properties and spread elements are allowed in record definitions.\\",InvalidRestAssignmentPattern:\\",Invalid rest operator's argument.\\",LabelRedeclaration:\\",Label '%0' is already declared.\\",LetInLexicalBinding:\\",let' is not allowed to be used as a name in 'let' or 'const' declarations.\\",LineTerminatorBeforeArrow:\\",No line break is allowed before '=>'.\\",MalformedRegExpFlags:\\",Invalid regular expression flag.\\",MissingClassName:\\",A class name is required.\\",MissingEqInAssignment:\\",Only '=' operator can be used for specifying default value.\\",MissingSemicolon:\\",Missing semicolon.\\",MissingUnicodeEscape:\\",Expecting Unicode escape sequence '\\\\uXXXX'.\\",MixingCoalesceWithLogical:\\",Nullish coalescing operator(??) requires parens when mixing with logical operators.\\",ModuleAttributeDifferentFromType:\\",The only accepted module attribute is `type`.\\",ModuleAttributeInvalidValue:\\",Only string literals are allowed as module attribute values.\\",ModuleAttributesWithDuplicateKeys:\\",Duplicate key '\\\\%0\\\\" is not allowed in module attributes.',ModuleExportNameHasLoneSurrogate:\\",An export name cannot include a lone surrogate, found '\\\\u%0'.\\",ModuleExportUndefined:\\",Export '%0' is not defined.\\",MultipleDefaultsInSwitch:\\",Multiple default clauses.\\",NewlineAfterThrow:\\",Illegal newline after throw.\\",NoCatchOrFinally:\\",Missing catch or finally clause.\\",NumberIdentifier:\\",Identifier directly after number.\\",NumericSeparatorInEscapeSequence:\\",Numeric separators are not allowed inside unicode escape sequences or hex escape sequences.\\",ObsoleteAwaitStar:\\",await* has been removed from the async functions proposal. Use Promise.all() instead.\\",OptionalChainingNoNew:\\",Constructors in/after an Optional Chain are not allowed.\\",OptionalChainingNoTemplate:\\",Tagged Template Literals are not allowed in optionalChain.\\",OverrideOnConstructor:\\",override' modifier cannot appear on a constructor declaration.\\",ParamDupe:\\",Argument name clash.\\",PatternHasAccessor:\\",Object pattern can't contain getter or setter.\\",PatternHasMethod:\\",Object pattern can't contain methods.\\",PipelineBodyNoArrow:\\",Unexpected arrow '\\\\=>\\\\" after pipeline body; arrow function in pipeline body must be parenthesized.',PipelineBodySequenceExpression:\\",Pipeline body may not be a comma-separated sequence expression.\\",PipelineHeadSequenceExpression:\\",Pipeline head should not be a comma-separated sequence expression.\\",PipelineTopicUnused:\\",Pipeline is in topic style but does not use topic reference.\\",PrimaryTopicNotAllowed:\\",Topic reference was used in a lexical context without topic binding.\\",PrimaryTopicRequiresSmartPipeline:\\",Primary Topic Reference found but pipelineOperator not passed 'smart' for 'proposal' option.\\",PrivateInExpectedIn:\\",Private names are only allowed in property accesses (obj.#%0) or in `in` expressions (`%0 in obj`).\\",PrivateNameRedeclaration:\\",Duplicate private name #%0.\\",RecordExpressionBarIncorrectEndSyntaxType:\\",Record expressions ending with `}` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'.\\",RecordExpressionBarIncorrectStartSyntaxType:\\",Record expressions starting with `{` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'.\\",RecordExpressionHashIncorrectStartSyntaxType:\\",Record expressions starting with `#{` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'.\\",RecordNoProto:\\",`__proto__` is not allowed in Record expressions.\\",RestTrailingComma:\\",Unexpected trailing comma after rest element.\\",SloppyFunction:\\",In non-strict mode code, functions can only be declared at top level, inside a block, or as the body of an if statement.\\",StaticPrototype:\\",Classes may not have static property named prototype.\\",StrictDelete:\\",Deleting local variable in strict mode.\\",StrictEvalArguments:\\",Assigning to '%0' in strict mode.\\",StrictEvalArgumentsBinding:\\",Binding '%0' in strict mode.\\",StrictFunction:\\",In strict mode code, functions can only be declared at top level or inside a block.\\",StrictNumericEscape:\\",The only valid numeric escape in strict mode is '\\\\u0'.\\",StrictOctalLiteral:\\",Legacy octal literals are not allowed in strict mode.\\",StrictWith:\\",with' in strict mode.\\",SuperNotAllowed:\\",`super()` is only valid inside a class

constructor of a subclass. Maybe a typo in the method name ('constructor') or not extending another class?

SuperPrivateField: Private fields can't be accessed on super.

TrailingDecorator: Decorators must be attached to a class element.

TupleExpressionBarIncorrectEndSyntaxType: Tuple expressions ending with ']' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'.

TupleExpressionBarIncorrectStartSyntaxType: Tuple expressions starting with '[' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'.

TupleExpressionHashIncorrectStartSyntaxType: Tuple expressions starting with '#' are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'.

UnexpectedArgumentPlaceholder: Unexpected argument placeholder.

UnexpectedAwaitAfterPipelineBody: Unexpected 'await' after pipeline body; await must have parentheses in minimal proposal.

UnexpectedDigitAfterHash: Unexpected digit after hash token.

UnexpectedImportExport: 'import' and 'export' may only appear at the top level.

UnexpectedKeyword: Unexpected keyword '%0'.

UnexpectedLeadingDecorator: Leading decorators must be attached to a class declaration.

UnexpectedLexicalDeclaration: Lexical declaration cannot appear in a single-statement context.

UnexpectedNewTarget: 'new.target' can only be used in functions or class properties.

UnexpectedNumericSeparator: A numeric separator is only allowed between two digits.

UnexpectedPrivateField: Private names can only be used as the name of a class element (i.e. class C { #p = 42; #m() { } }) or a property of member expression (i.e. this.#p).

UnexpectedReservedWord: Unexpected reserved word '%0'.

UnexpectedSuper: 'super' is only allowed in object methods and classes.

UnexpectedToken: Unexpected token '%0'.

UnexpectedTokenUnaryExponentiation: Illegal expression. Wrap left hand side or entire exponentiation in parentheses.

UnsupportedBind: Binding should be performed on object property.

UnsupportedDecoratorExport: A decorated export must export a class declaration.

UnsupportedDefaultExport: Only expressions, functions or classes are allowed as the 'default' export.

UnsupportedImport: 'import' can only be used in 'import()' or 'import.meta'.

UnsupportedMetaProperty: The only valid meta property for %0 is %0.%1.

UnsupportedParameterDecorator: Decorators cannot be used to decorate parameters.

UnsupportedPropertyDecorator: Decorators cannot be used to decorate object literal properties.

UnsupportedSuper: 'super' can only be used with function calls (i.e. super()) or in property accesses (i.e. super.prop or super[prop]).

UnterminatedComment: Unterminated comment.

UnterminatedRegExp: Unterminated regular expression.

UnterminatedString: Unterminated string constant.

UnterminatedTemplate: Unterminated template.

VarRedeclaration: Identifier '%0' has already been declared.

YieldBindingIdentifier: Can not use 'yield' as identifier inside a generator.

YieldInParameter: Yield expression is not allowed in formal parameters.

ZeroDigitNumericSeparator: Numeric separator can not be used after leading 0.

```

},y.SyntaxError),b=g({ImportMetaOutsideModule: "import.meta may appear only with 'sourceType: module'",ImportOutsideModule: "import' and 'export' may appear only with 'sourceType: module'",y.SourceTypeModuleError});function g(e,t){const r={};return Object.keys(e).forEach(n=>{r[n]=Object.freeze({code:t,reasonCode:n,template:e[n]}),Object.freeze(r)}),Object.freeze(r)}class S{constructor(e,t,r,n){this.token=void 0,this.isExpr=void 0,this.preserveSpace=void 0,this.override=void 0,this.token=e,this.isExpr=!t,this.preserveSpace=!r,this.override=n}const x={braceStatement:new S("{}",!1),braceExpression:new S("{",!0),recordExpression:new S("#",!0),templateQuasi:new S("$",!1),parenStatement:new S("(",!1),parenExpression:new S("(",!0),template:new S("",!0,!0,e=>e.readTplToken()),functionExpression:new S("function",!0),functionStatement:new S("function",!1)};o.parenR.updateContext=o.braceR.updateContext=function(){if(1===this.state.context.length)return void(this.state.exprAllowed=!0);let e=this.state.context.pop();e===x.braceStatement&&"function"===this.curContext().token&&(e=this.state.context.pop()),this.state.exprAllowed=!e.isExpr,o.name.updateContext=function(e){let

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t=!1;e!==(o.dot&&((\of\!="!==(this.state.value||this.state.exprAllowed||e===o._function||e===o._class||(t=!0)),this.st
ate.exprAllowed=t},o.braceL.updateContext=function(e){this.state.context.push(this.braceIsBlock(e)?x.braceStatem
ent:x.braceExpression),this.state.exprAllowed=!0},o.dollarBraceL.updateContext=function(){this.state.context.push
(x.templateQuasi),this.state.exprAllowed=!0},o.parenL.updateContext=function(e){const
t=e===o._if||e===o._for||e===o._with||e===o._while;this.state.context.push(t?x.parenStatement:x.parenExpression)
,this.state.exprAllowed=!0},o.incDec.updateContext=function(){},o._function.updateContext=o._class.updateConte
xt=function(e){!e.beforeExpr||e===o.semi||e===o._else||e===o._return&&this.hasPrecedingLineBreak()||(e===o.col
on||e===o.braceL)&&this.curContext()===x.b_stat?this.state.context.push(x.functionStatement):this.state.context.p
ush(x.functionExpression),this.state.exprAllowed=!1},o.backQuote.updateContext=function(){this.curContext()===
x.template?this.state.context.pop():this.state.context.push(x.template),this.state.exprAllowed=!1},o.braceHashL.upd
ateContext=function(){this.state.context.push(x.recordExpression),this.state.exprAllowed=!0};let E=\\u0000-
öø^-----
-----\\",P=\\"-
-----
--\\";const v=new RegExp(\\["\\["+E+\\"]\\"]),A=new RegExp(\\["\\["+E+P+\\"]\\"]);E=P=null;const
w=[0,11,2,25,2,18,2,1,2,14,3,13,35,122,70,52,268,28,4,48,48,31,14,29,6,37,11,29,3,35,5,7,2,4,43,157,19,35,5,35,5,
39,9,51,157,310,10,21,11,7,153,5,3,0,2,43,2,1,4,0,3,22,11,22,10,30,66,18,2,1,11,21,11,25,71,55,7,1,65,0,16,3,2,2,2,
28,43,28,4,28,36,7,2,27,28,53,11,21,11,18,14,17,111,72,56,50,14,50,14,35,349,41,7,1,79,28,11,0,9,21,107,20,28,22,
13,52,76,44,33,24,27,35,30,0,3,0,9,34,4,0,13,47,15,3,22,0,2,0,36,17,2,24,85,6,2,0,2,3,2,14,2,9,8,46,39,7,3,1,3,21,2,6
,2,1,2,4,4,0,19,0,13,4,159,52,19,3,21,2,31,47,21,1,2,0,185,46,42,3,37,47,21,0,60,42,14,0,72,26,230,43,117,63,32,7,3
,0,3,7,2,1,2,23,16,0,2,0,95,7,3,38,17,0,2,0,29,0,11,39,8,0,22,0,12,45,20,0,35,56,264,8,2,36,18,0,50,29,113,6,2,1,2,37
,22,0,26,5,2,1,2,31,15,0,328,18,190,0,80,921,103,110,18,195,2749,1070,4050,582,8634,568,8,30,114,29,19,47,17,3,
32,20,6,18,689,63,129,74,6,0,67,12,65,1,2,0,29,6135,9,1237,43,8,8952,286,50,2,18,3,9,395,2309,106,6,12,4,8,8,9,5
991,84,2,70,2,1,3,0,3,1,3,3,2,11,2,0,2,6,2,64,2,3,3,7,2,6,2,27,2,3,2,4,2,0,4,6,2,339,3,24,2,24,2,30,2,24,2,30,2,24,2,30,2,24,2,30,2,24,2,7,2357,44,11,6,17,0,370,43,1301,196,60,67,8,0,1205,3,2,26,2,1,2,0,3,0,2,9,2,3,2,0,2,0,7,0,5,0,2,0,2
,0,2,2,2,1,2,0,3,0,2,0,2,0,2,0,2,1,2,0,3,3,2,6,2,3,2,3,2,0,2,9,2,16,6,2,2,4,2,16,4421,42717,35,4148,12,221,3,5761,
15,7472,3104,541,1507,4938],O=[509,0,227,0,150,4,294,9,1368,2,2,1,6,3,41,2,5,0,166,1,574,3,9,9,370,1,154,10,17
6,2,54,14,32,9,16,3,46,10,54,9,7,2,37,13,2,9,6,1,45,0,13,2,49,13,9,3,2,11,83,11,7,0,161,11,6,9,7,3,56,1,2,6,3,1,3,2,1
0,0,11,1,3,6,4,4,193,17,10,9,5,0,82,19,13,9,214,6,3,8,28,1,83,16,16,9,82,12,9,9,84,14,5,9,243,14,166,9,71,5,2,1,3,3,
2,0,2,1,13,9,120,6,3,6,4,0,29,9,41,6,2,3,9,0,10,10,47,15,406,7,2,7,17,9,57,21,2,13,123,5,4,0,2,1,2,6,2,0,9,9,49,4,2,1,
2,4,9,9,330,3,19306,9,135,4,60,6,26,9,1014,0,2,54,8,3,82,0,12,1,19628,1,5319,4,4,5,9,7,3,6,31,3,149,2,1418,49,513,
54,5,49,9,0,15,0,23,4,2,14,1361,6,2,16,3,6,2,1,2,4,262,6,10,9,419,13,1495,6,110,6,6,9,4759,9,787719,239];function
I(e,t){let r=65536;for(let
n=0,i=t.length;n<i;n+=2){if(r+=t[n],r>e)return!1;if(r+=t[n+1],r>=e)return!0}return!1}function C(e){return
e<65?36===e:e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&v.test(String.fromCharCode(e)):I(e,w)))}functi
on N(e){return
e<48?36===e:e<58!(e<65)&&(e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&A.test(String.fromCharCode
(e)):I(e,w)||I(e,O)))}const
k=[\\"implements\\",\\"interface\\",\\"let\\",\\"package\\",\\"private\\",\\"protected\\",\\"public\\",\\"static\\",
\\"yield\\",D=[\\"eval\\",\\"arguments\\",_]=new
Set([\\"break\\",\\"case\\",\\"catch\\",\\"continue\\",\\"debugger\\",\\"default\\",\\"do\\",\\"else\\",\\"finally\\",
\\"for\\",\\"function\\",\\"if\\",\\"return\\",\\"switch\\",\\"throw\\",\\"try\\",\\"var\\",\\"const\\",\\"while\\",
\\"with\\",\\"new\\",\\"this\\",\\"super\\",\\"class\\",\\"extends\\",\\"export\\",\\"import\\",\\"null\\",\\"tru
e\\",\\"false\\",\\"in\\",\\"instanceof\\",\\"typeof\\",\\"void\\",\\"delete\\"]);L=new Set(k),M=new
Set(D);function j(e,t){return t&&\\"await\\"===e||\\"enum\\"===e}function F(e,t){return j(e,t)||L.has(e)}function
R(e){return M.has(e)}function B(e,t){return F(e,t)||R(e)}function U(e){return _.has(e)}const
V=/^in(stanceof)?$/;class K{constructor(e){this.flags=void
0,this.var=[],this.lexical=[],this.functions=[],this.flags=e}}class
```



```

q{ constructor(e,t){ this.scopeStack=[],this.undefinedExports=new Map,this.undefinedPrivateNames=new
Map,this.raise=e,this.inModule=t} get inFunction(){ return(2&this.currentVarScope().flags)>0} get
allowSuper(){ return(16&this.currentThisScope().flags)>0} get
allowDirectSuper(){ return(32&this.currentThisScope().flags)>0} get
inClass(){ return(64&this.currentThisScope().flags)>0} get
inStaticBlock(){ return(128&this.currentThisScope().flags)>0} get
inNonArrowFunction(){ return(2&this.currentThisScope().flags)>0} get treatFunctionsAsVar(){ return
this.treatFunctionsAsVarInScope(this.currentScope())} createScope(e){ return new
K(e)} enter(e){ this.scopeStack.push(this.createScope(e))} exit(){ this.scopeStack.pop()} treatFunctionsAsVarInScope(
e){ return!!(2&e.flags||!this.inModule&&1&e.flags)} declareName(e,t,r){ let
n=this.currentScope();if(8&t||16&t)this.checkRedeclarationInScope(n,e,t,r),16&t?n.functions.push(e):n.lexical.push(
e),8&t&&this.maybeExportDefined(n,e);else if(4&t)for(let i=this.scopeStack.length-
1;i>=0&&(n=this.scopeStack[i],this.checkRedeclarationInScope(n,e,t,r),n.var.push(e),this.maybeExportDefined(n,e)
,!(259&n.flags));--
i);this.inModule&&1&n.flags&&this.undefinedExports.delete(e)} maybeExportDefined(e,t){ this.inModule&&1&e.f
lags&&this.undefinedExports.delete(t)} checkRedeclarationInScope(e,t,r,n){ this.isRedeclaredInScope(e,t,r)&&this.r
aise(n,T.VarRedeclaration,t)} isRedeclaredInScope(e,t,r){ return!!(1&r)&&(8&r?e.lexical.indexOf(t)>-
1||e.functions.indexOf(t)>-1||e.var.indexOf(t)>-1:16&r?e.lexical.indexOf(t)>-
1||!this.treatFunctionsAsVarInScope(e)&&e.var.indexOf(t)>-1:e.lexical.indexOf(t)>-
1&&!(8&e.flags&&e.lexical[0]==t)||!this.treatFunctionsAsVarInScope(e)&&e.functions.indexOf(t)>-
1)} checkLocalExport(e){ -1===this.scopeStack[0].lexical.indexOf(e.name)&&-
1===this.scopeStack[0].var.indexOf(e.name)&&-
1===this.scopeStack[0].functions.indexOf(e.name)&&this.undefinedExports.set(e.name,e.start)} currentScope(){ ret
urn this.scopeStack[this.scopeStack.length-1]} currentVarScope(){ for(let e=this.scopeStack.length-1;e--){ const
t=this.scopeStack[e];if(259&t.flags)return t} } currentThisScope(){ for(let e=this.scopeStack.length-1;e--){ const
t=this.scopeStack[e];if((259&t.flags||64&t.flags)&&!(4&t.flags))return t} } class Y extends
K{ constructor(...e){ super(...e),this.declareFunctions=[]} } class W extends q{ createScope(e){ return new
Y(e)} declareName(e,t,r){ const n=this.currentScope();if(2048&t)return
this.checkRedeclarationInScope(n,e,t,r),this.maybeExportDefined(n,e),void
n.declareFunctions.push(e);super.declareName(...arguments)} isRedeclaredInScope(e,t,r){ return!!super.isRedeclared
InScope(...arguments)||!(2048&r)&&(!e.declareFunctions.includes(t)&&(e.lexical.includes(t)||e.functions.includes(t)
)))} checkLocalExport(e){ -
1===this.scopeStack[0].declareFunctions.indexOf(e.name)&&super.checkLocalExport(e)} } const X=new
Set(["_","__","any","boolean","empty","extends","false","interface","mixed","
null","number","static","string","true","typeof","void"]);J=g({ AmbiguousConditional
Arrow:"Ambiguous expression: wrap the arrow functions in parentheses to
disambiguate.",AmbiguousDeclareModuleKind:"Found both `declare module.exports` and `declare export` in
the same module. Modules can only have 1 since they are either an ES module or they are a CommonJS
module.",AssignReservedType:"Cannot overwrite reserved type %0.",DeclareClassElement:"The `declare`
modifier can only appear on class fields.",DeclareClassFieldInitializer:"Initializers are not allowed in fields with
the `declare` modifier.",DuplicateDeclareModuleExports:"Duplicate `declare module.exports`
statement.",EnumBooleanMemberNotInitialized:"Boolean enum members need to be initialized. Use either `%0
= true,` or `%0 = false,` in enum `%1`.",EnumDuplicateMemberName:"Enum member names need to be
unique, but the name `%0` has already been used before in enum
`%1`.",EnumInconsistentMemberValues:"Enum `%0` has inconsistent member initializers. Either use no
initializers, or consistently use literals (either booleans, numbers, or strings) for all member
initializers.",EnumInvalidExplicitType:"Enum type `%1` is not valid. Use one of `boolean`, `number`, `string`,
or `symbol` in enum `%0`.",EnumInvalidExplicitTypeUnknownSupplied:"Supplied enum type is not valid. Use

```

one of `boolean`, `number`, `string`, or `symbol` in enum

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`%0`.\|\|",EnumInvalidMemberInitializerPrimaryType:\|\|"Enum `%0` has type `%2`, so the initializer of `%1` needs to be a %2 literal.\|\|",EnumInvalidMemberInitializerSymbolType:\|\|"Symbol enum members cannot be initialized. Use `%1`, in enum `%0`.\|\|",EnumInvalidMemberInitializerUnknownType:\|\|"The enum member initializer for `%1` needs to be a literal (either a boolean, number, or string) in enum`%0`.\|\|",EnumInvalidMemberName:\|\|"Enum member names cannot start with lowercase 'a' through 'z'. Instead of using `%0`, consider using `%1`, in enum `%2`.\|\|",EnumNumberMemberNotInitialized:\|\|"Number enum members need to be initialized, e.g. `%1 = 1` in enum `%0`.\|\|",EnumStringMemberInconsistentlyInitailized:\|\|"String enum members need to be consistently either all use initializers, or use no initializers, in enum`%0`.\|\|",GetterMayNotHaveThisParam:\|\|"A getter cannot have a `this` parameter.\|\|",ImportTypeShorthandOnlyInPureImport:\|\|"The `type` and `typeof` keywords on named imports can only be used on regular `import` statements. It cannot be used with `import type` or `import typeof` statements.\|\|",InexactInsideExact:\|\|"Explicit inexact syntax cannot appear inside an explicit exact object type.\|\|",InexactInsideNonObject:\|\|"Explicit inexact syntax cannot appear in class or interface definitions.\|\|",InexactVariance:\|\|"Explicit inexact syntax cannot have variance.\|\|",InvalidNonTypeImportInDeclareModule:\|\|"Imports within a `declare module` body must always be `import type` or `import typeof`.\|\|",MissingTypeParamDefault:\|\|"Type parameter declaration needs a default, since a preceding type parameter declaration has a default.\|\|",NestedDeclareModule:\|\|"`declare module` cannot be used inside another `declare module`.\|\|",NestedFlowComment:\|\|"Cannot have a flow comment inside another flow comment.\|\|",OptionalBindingPattern:\|\|"A binding pattern parameter cannot be optional in an implementation signature.\|\|",SetterMayNotHaveThisParam:\|\|"A setter cannot have a `this` parameter.\|\|",SpreadVariance:\|\|"Spread properties cannot have variance.\|\|",ThisParamAnnotationRequired:\|\|"A type annotation is required for the `this` parameter.\|\|",ThisParamBannedInConstructor:\|\|"Constructors cannot have a `this` parameter; constructors don't bind `this` like other functions.\|\|",ThisParamMayNotBeOptional:\|\|"The `this` parameter cannot be optional.\|\|",ThisParamMustBeFirst:\|\|"The `this` parameter must be the first function parameter.\|\|",ThisParamNoDefault:\|\|"The `this` parameter may not have a default value.\|\|",TypeBeforeInitializer:\|\|"Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`.\|\|",TypeCastInPattern:\|\|"The type cast expression is expected to be wrapped with parenthesis.\|\|",UnexpectedExplicitInexactInObject:\|\|"Explicit inexact syntax must appear at the end of an inexact object.\|\|",UnexpectedReservedType:\|\|"Unexpected reserved type`%0`.\|\|",UnexpectedReservedUnderscore:\|\|"`_` is only allowed as a type argument to call or new.\|\|",UnexpectedSpaceBetweenModuloChecks:\|\|"Spaces between `%` and `checks` are not allowed here.\|\|",UnexpectedSpreadType:\|\|"Spread operator cannot appear in class or interface definitions.\|\|",UnexpectedSubtractionOperand:\|\|"Unexpected token, expected \|\|"number\|\|" or \|\|"bigint\|\|`.\|\|",UnexpectedTokenAfterTypeParameter:\|\|"Expected an arrow function after this type parameter declaration.\|\|",UnexpectedTypeParameterBeforeAsyncArrowFunction:\|\|"Type parameters must come after the async keyword, e.g. instead of `
```

|||",frac34:||||¾|||",iquest:||||¿|||",Agrave:||||À|||",Aacute:||||Á|||",Acirc:||||Â|||",Atilde:||||Ã|||",Auml:||||Ä|||",Ari
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 ,auml:||||ä|||",aring:||||å|||",aelig:||||æ|||",ccedil:||||ç|||",egrave:||||è|||",eacute:||||é|||",ecirc:||||ê|||",euml:||||ë|||",igr
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 Zeta:||||Ζ|||",Eta:||||Η|||",Theta:||||Θ|||",Iota:||||Ι|||",Kappa:||||Κ|||",Lambda:||||Λ|||",Mu:||||Μ|||",Nu:||||Ν|||",Xi:||||Ξ|||",Omicro
 n:||||Ο|||",Pi:||||Π|||",Rho:||||Ρ|||",Sigma:||||Σ|||",Tau:||||Τ|||",Upsilon:||||Υ|||",Phi:||||Φ|||",Chi:||||Χ|||",Psi:||||Ψ|||",Omega:||||Ω|||
 ",alpha:||||α|||",beta:||||β|||",gamma:||||γ|||",delta:||||δ|||",epsilon:||||ε|||",zeta:||||ζ|||",eta:||||η|||",theta:||||θ|||",iota:||||ι|||",ka
 ppa:||||κ|||",lambda:||||λ|||",mu:||||μ|||",nu:||||ν|||",xi:||||ξ|||",omicron:||||ο|||",pi:||||π|||",rho:||||ρ|||",sigmaf:||||ϕ|||",sigma:||||
 |||",tau:||||τ|||",upsilon:||||υ|||",phi:||||φ|||",chi:||||χ|||",psi:||||ψ|||",omega:||||ω|||",thetasym:||||ϑ|||",upsih:||||ϒ|||",piv:||||ϖ|||",e
 nsp:|||| |||",emsp:|||| |||",thinsp:|||| "

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 ",|||",ldquo:||||“|||”,rdquo:||||”|||”,bdquo:||||„|||”,dagger:||||†|||”,Dagger:||||‡|||”,bull:||||•|||”,hellip:||||…|||”,permi:
 |||"%|||”,prime:||||′|||”,Prime:||||″|||”,lsquo:||||‹|||”,rsaquo:||||›|||”,oline:||||⎯|||”,frasl:||||⁄|||”,euro:||||€|||”,image:||||
 weierp:||||℘|||”,real:||||ℝ|||”,trade:||||™|||”,alefsym:||||ℵ|||”,larr:||||↔|||”,uarr:||||↕|||”,rarr:||||↗|||”,darr:||||↘|||”,harr:||||↔|||”,crar
 r:||||↻|||”,lArr:||||⇐|||”,uArr:||||⇑|||”,rArr:||||⇓|||”,dArr:||||⇓|||”,hArr:||||⇔|||”,forall:||||∀|||”,part:||||∂|||”,exist:||||∃|||”,empty:||||
 |",nabla:||||∇|||”,isin:||||∈|||”,notin:||||∉|||”,ni:||||∋|||”,prod:||||∏|||”,sum:||||∑|||”,minus:||||−|||”,lowast:||||∗|||”,radic:||||√|||”,pro
 p:||||∝|||”,infin:||||∞|||”,ang:||||∠|||”,and:||||∧|||”,or:||||∨|||”,cap:||||∩|||”,cup:||||∪|||”,int:||||∫|||”,there4:||||∴|||”,sim:||||∝|||”,cong:
 |||”|||”,asympt:||||∞|||”,ne:||||≠|||”,equiv:||||≡|||”,le:||||≤|||”,ge:||||≥|||”,sub:||||sub|||”,sup:||||sup|||”,nsup:||||sup|||”,sube:||||sube|||
 ”|||”,oplus:||||⊕|||”,otimes:||||⊗|||”,perp:||||⊥|||”,sdot:||||⋅|||”,lceil:||||⌈|||”,rceil:||||⌋|||”,lfloor:||||⌊|||”,rfloor:||||⌋|||”,lang:||||
 ,rang:||||⟨|||”,loz:||||◊|||”,spades:||||♠|||”,clubs:||||♣|||”,hearts:||||♥|||”,diams:||||♠|||”,Z=^/|||da-fA-
 F]+\$,ee=/^|||d+\$,te=g({ AttributeIsEmpty:||||"JSX attributes must only be assigned a non-empty
 expression.||||",MissingClosingTagElement:||||"Expected corresponding JSX closing tag for
 <%0>||||",MissingClosingTagFragment:||||"Expected corresponding JSX closing tag for
 <>||||",UnexpectedSequenceExpression:||||"Sequence expressions cannot be directly nested inside JSX. Did you
 mean to wrap it in parentheses (...)?"|||",UnsupportedJsxValue:||||"JSX value should be either an expression or a
 quoted JSX text.||||",UnterminatedJsxContent:||||"Unterminated JSX
 contents.||||",UnwrappedAdjacentJSXElements:||||"Adjacent JSX elements must be wrapped in an enclosing tag. Did
 you want a JSX fragment <>...</>?"|||"},y.SyntaxError);function
 re(e){return!!e&&(!("JSXOpeningFragment"===e.type||("JSXClosingFragment"===e.type))}function
 ne(e){if(!("JSXIdentifier"===e.type))return e.name;if(!("JSXNamespacedName"===e.type))return
 e.namespace.name+|||":|||"+e.name.name;if(!("JSXMemberExpression"===e.type))return
 ne(e.object)+|||".|||"+ne(e.property);throw new Error(!("Node had unexpected type: |||"+e.type)}x.j_oTag=new
 S(!("<tag|||",!1),x.j_cTag=new S(!("</tag|||",!1),x.j_expr=new S(!("<tag>...</tag>|||",!0,!0),o.jsxName=new
 n(!("jsxName"|||"),o.jsxText=new n(!("jsxText"|||",{beforeExpr:!0}),o.jsxTagStart=new
 n(!("jsxTagStart"|||",{startsExpr:!0}),o.jsxTagEnd=new
 n(!("jsxTagEnd"|||"),o.jsxTagStart.updateContext=function(){this.state.context.push(x.j_expr),this.state.context.push
 (x.j_oTag),this.state.exprAllowed=!1},o.jsxTagEnd.updateContext=function(e){const
 t=this.state.context.pop();t===x.j_oTag&&e===o.slash||t===x.j_cTag?(this.state.context.pop(),this.state.exprAllow
 ed=this.curContext()===x.j_expr):this.state.exprAllowed=!0};class ie extends
 K{constructor(...e){super(...e),this.types=[],this.enums=[],this.constEnums=[],this.classes=[],this.exportOnlyBindin
 gs=[]}class se extends q{createScope(e){return new ie(e)}declareName(e,t,r){const
 n=this.currentScope();if(1024&t)return this.maybeExportDefined(n,e),void

```

n.exportOnlyBindings.push(e);super.declareName(...arguments),2&&(1&&|(this.checkRedeclarationInScope(n,e,t
,r),this.maybeExportDefined(n,e)),n.types.push(e)),256&&&n.enums.push(e),512&&&n.constEnums.push(e),128
&&&n.classes.push(e)}isRedeclaredInScope(e,t,r){if(e.enums.indexOf(t)>-
1){if(256&&r){return!!(512&&r)!==e.constEnums.indexOf(t)>-1}return!0}return 128&&r&&e.classes.indexOf(t)>-
1?e.lexical.indexOf(t)>-1&&!(1&&r):!(2&&r&&e.types.indexOf(t)>-
1)||super.isRedeclaredInScope(...arguments)}checkLocalExport(e){-
1===this.scopeStack[0].types.indexOf(e.name)&&-
1===this.scopeStack[0].exportOnlyBindings.indexOf(e.name)&&super.checkLocalExport(e)}class
ae{constructor(){this.stacks=[]}enter(e){this.stacks.push(e)}exit(){this.stacks.pop()}currentFlags(){return
this.stacks[this.stacks.length-1]}get hasAwait(){return(2&&this.currentFlags())>0}get
hasYield(){return(1&&this.currentFlags())>0}get hasReturn(){return(4&&this.currentFlags())>0}get
hasIn(){return(8&&this.currentFlags())>0}}function oe(e,t){return(e?2:0)|(t?1:0)}function le(e){if(null===e)throw new
Error('Unexpected ${e} value.')}return e}function ce(e){if(!e)throw new Error(\\\\"Assert fail\\\\"')}const
pe=g({AbstractMethodHasImplementation:\\\\"Method '%0' cannot have an implementation because it is marked
abstract.\\\\"},AccesorCannotDeclareThisParameter:\\\\"'get' and 'set' accessors cannot declare 'this'
parameters.\\\\"},AccesorCannotHaveTypeParameters:\\\\"An accessor cannot have type
parameters.\\\\"},ClassMethodHasDeclare:\\\\"Class methods cannot have the 'declare'
modifier.\\\\"},ClassMethodHasReadOnly:\\\\"Class methods cannot have the 'readonly'
modifier.\\\\"},ConstructorHasTypeParameters:\\\\"Type parameters cannot appear on a constructor
declaration.\\\\"},DeclareAccessor:\\\\"'declare' is not allowed in
%0ters.\\\\"},DeclareClassFieldHasInitializer:\\\\"Initializers are not allowed in ambient
contexts.\\\\"},DeclareFunctionHasImplementation:\\\\"An implementation cannot be declared in ambient
contexts.\\\\"},DuplicateAccessibilityModifier:\\\\"Accessibility modifier already
seen.\\\\"},DuplicateModifier:\\\\"Duplicate modifier: '%0'.\\\\"},EmptyHeritageClauseType:\\\\"'%0' list cannot be
empty.\\\\"},EmptyTypeArguments:\\\\"Type argument list cannot be empty.\\\\"},EmptyTypeParameters:\\\\"Type
parameter list cannot be empty.\\\\"},ExpectedAmbientAfterExportDeclare:\\\\"'export declare' must be followed by an
ambient declaration.\\\\"},ImportAliasHasImportType:\\\\"An import alias can not use 'import
type'.\\\\"},IncompatibleModifiers:\\\\"'%0' modifier cannot be used with '%1'
modifier.\\\\"},IndexSignatureHasAbstract:\\\\"Index signatures cannot have the 'abstract'
modifier.\\\\"},IndexSignatureHasAccessibility:\\\\"Index signatures cannot have an accessibility modifier
('%0').\\\\"},IndexSignatureHasDeclare:\\\\"Index signatures cannot have the 'declare'
modifier.\\\\"},IndexSignatureHasOverride:\\\\"'override' modifier cannot appear on an index
signature.\\\\"},IndexSignatureHasStatic:\\\\"Index signatures cannot have the 'static'
modifier.\\\\"},InvalidModifierOnTypeMember:\\\\"'%0' modifier cannot appear on a type
member.\\\\"},InvalidModifiersOrder:\\\\"'%0' modifier must precede '%1'
modifier.\\\\"},InvalidTupleMemberLabel:\\\\"Tuple members must be labeled with a simple
identifier.\\\\"},MixedLabeledAndUnlabeledElements:\\\\"Tuple members must all have names or all not have
names.\\\\"},NonAbstractClassHasAbstractMethod:\\\\"Abstract methods can only appear within an abstract
class.\\\\"},NonClassMethodPropertyHasAbstractModifier:\\\\"'abstract' modifier can only appear on a class, method, or
property declaration.\\\\"},OptionalTypeBeforeRequired:\\\\"A required element cannot follow an optional
element.\\\\"},OverrideNotInSubClass:\\\\"This member cannot have an 'override' modifier because its containing class
does not extend another class.\\\\"},PatternIsOptional:\\\\"A binding pattern parameter cannot be optional in an
implementation signature.\\\\"},PrivateElementHasAbstract:\\\\"Private elements cannot have the 'abstract'
modifier.\\\\"},PrivateElementHasAccessibility:\\\\"Private elements cannot have an accessibility modifier
('%0').\\\\"},ReadOnlyForMethodSignature:\\\\"'readonly' modifier can only appear on a property declaration or index
signature.\\\\"},SetAccesorCannotHaveOptionalParameter:\\\\"A 'set' accessor cannot have an optional
parameter.\\\\"},SetAccesorCannotHaveRestParameter:\\\\"A 'set' accessor cannot have rest
parameter.\\\\"},SetAccesorCannotHaveReturnType:\\\\"A 'set' accessor cannot have a return type

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annotation.\\",StaticBlockCannotHaveModifier:\\",Static class blocks cannot have any
modifier.\\",TypeAnnotationAfterAssign:\\",Type annotations must come before default assignments, e.g. instead of
`age = 25: number` use `age: number = 25`.\\",TypeImportCannotSpecifyDefaultAndNamed:\\",A type-only import
can specify a default import or named bindings, but not both.\\",UnexpectedParameterModifier:\\",A parameter
property is only allowed in a constructor implementation.\\",UnexpectedReadOnly:\\",`readonly` type modifier is
only permitted on array and tuple literal types.\\",UnexpectedTypeAnnotation:\\",Did not expect a type annotation
here.\\",UnexpectedTypeCastInParameter:\\",Unexpected type cast in parameter
position.\\",UnsupportedImportTypeArgument:\\",Argument in a type import must be a string
literal.\\",UnsupportedParameterPropertyKind:\\",A parameter property may not be declared using a binding
pattern.\\",UnsupportedSignatureParameterKind:\\",Name in a signature must be an Identifier, ObjectPattern or
ArrayPattern, instead got %0.\\",y.SyntaxError);function
ue(e){return\\",private\\",===e\\",public\\",===e\\",protected\\",===e}o.placeholder=new
n(\\",%%\\",{startsExpr:!0});const de=g({ClassNameIsRequired:\\",A class name is
required.\\",y.SyntaxError);function he(e,t){return e.some(e=>Array.isArray(e)?e[0]===t:e===t)}function
fe(e,t,r){const n=e.find(e=>Array.isArray(e)?e[0]===t:e===t);return n&&Array.isArray(n)?n[1][r]:null}const
me=[\\",minimal\\",\\",smart\\",\\",fsharp\\",ye=[\\",hash\\",\\",bar\\"];const Te={estree:e=>class extends
e{estreeParseRegExpLiteral({pattern:e,flags:t}){let r=null;try{r=new RegExp(e,t)}catch(e){}const
n=this.estreeParseLiteral(r);return n.regex={pattern:e,flags:t},n}estreeParseBigIntLiteral(e){let
t;try{t=BigInt(e)}catch(e){t=null}const r=this.estreeParseLiteral(t);return
r.bigint=String(r.value|e),r}estreeParseDecimalLiteral(e){const t=this.estreeParseLiteral(null);return
t.decimal=String(t.value|e),t}estreeParseLiteral(e){return
this.parseLiteral(e,\\",Literal\\")}directiveToStmnt(e){const
t=e.value,r=this.startNodeAt(e.start,e.loc.start),n=this.startNodeAt(t.start,t.loc.start);return
n.value=t.extra.expressionValue,n.raw=t.extra.raw,r.expression=this.finishNodeAt(n,\\",Literal\\",t.end,t.loc.end),r.
directive=t.extra.raw.slice(1,-
1),this.finishNodeAt(r,\\",ExpressionStatement\\",e.end,e.loc.end)}initFunction(e,t){super.initFunction(e,t),e.expres
sion=!1}checkDeclaration(e){null!=e&&this.isObjectProperty(e)?this.checkDeclaration(e.value):super.checkDeclar
ation(e)}getObjectOrClassMethodParams(e){return e.value.params}isValidDirective(e){var
t;return\\",ExpressionStatement\\",===e.type&&\\",Literal\\",===e.expression.type&&\\",string\\",===typeof
e.expression.value&&!(null!=(t=e.expression.extra)&&t.parenthesized)}stmntToDirective(e){const
t=super.stmntToDirective(e),r=e.expression.value;return
this.addExtra(t.value,\\",expressionValue\\",r,t)}parseBlockBody(e,...t){super.parseBlockBody(e,...t);const
r=e.directives.map(e=>this.directiveToStmnt(e));e.body=r.concat(e.body),delete
e.directives}pushClassMethod(e,t,r,n,i,s){this.parseMethod(t,r,n,i,s,\\",ClassMethod\\",!0),t.typeParameters&&(t.va
lue.typeParameters=t.typeParameters,delete
t.typeParameters),e.body.push(t)}parseExprAtom(e){switch(this.state.type){case o.num:case o.string:return
this.estreeParseLiteral(this.state.value);case o.regex:return this.estreeParseRegExpLiteral(this.state.value);case
o.bigint:return this.estreeParseBigIntLiteral(this.state.value);case o.decimal:return
this.estreeParseDecimalLiteral(this.state.value);case o._null:return this.estreeParseLiteral(null);case o._true:return
this.estreeParseLiteral(!0);case o._false:return this.estreeParseLiteral(!1);default:return
super.parseExprAtom(e)}parseMaybePrivateName(...e){const
t=super.parseMaybePrivateName(...e);return\\",PrivateName\\",===t.type&&this.getPluginOption(\\",estree\\",\\",cl
assFeatures\\")?this.convertPrivateNameToPrivateIdentifier(t):t}convertPrivateNameToPrivateIdentifier(e){const
t=super.getPrivateNameSV(e);return
delete(e=e).id,e.name=t,e.type=\\",PrivateIdentifier\\",e.isPrivateName(e){return
this.getPluginOption(\\",estree\\",\\",classFeatures\\")?\\",PrivateIdentifier\\",===e.type:super.isPrivateName(e)}ge
tPrivateNameSV(e){return
this.getPluginOption(\\",estree\\",\\",classFeatures\\")?e.name:super.getPrivateNameSV(e)}parseLiteral(e,t,r,n){co

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nst i=super.parseLiteral(e,t,r,n);return i.raw=i.extra.raw,delete
i.extra,i}parseFunctionBody(e,t,r=!1){super.parseFunctionBody(e,t,r),e.expression=\\\\"BlockStatement\\\\\\"!==e.body
.type}parseMethod(e,t,r,n,i,s,a=!1){let o=this.startNode();return
o.kind=e.kind,o=super.parseMethod(o,t,r,n,i,s,a),o.type=\\\\"FunctionExpression\\\\\\",delete
o.kind,e.value=o,\\\\"ClassPrivateMethod\\\\\\"===s&&(e.computed=!1),s=\\\\"MethodDefinition\\\\\\",this.finishNode(e,s
)}parseClassProperty(...e){const t=super.parseClassProperty(...e);return
this.getPluginOption(\\\\"estree\\\\\\",\\\\"classFeatures\\\\\\")&&(t.type=\\\\"PropertyDefinition\\\\\\",t)}parseClassPrivatePro
perty(...e){const t=super.parseClassPrivateProperty(...e);return
this.getPluginOption(\\\\"estree\\\\\\",\\\\"classFeatures\\\\\\")&&(t.type=\\\\"PropertyDefinition\\\\\\",t.computed=!1),t}parse
ObjectMethod(e,t,r,n,i){const s=super.parseObjectMethod(e,t,r,n,i);return
s&&(s.type=\\\\"Property\\\\\\",\\\\"method\\\\\\"===s.kind&&(s.kind=\\\\"init\\\\\\"),s.shorthand=!1),s}parseObjectProperty(e
,t,r,n,i){const s=super.parseObjectProperty(e,t,r,n,i);return
s&&(s.kind=\\\\"init\\\\\\",s.type=\\\\"Property\\\\\\",s)}toAssignable(e,t=!1){return
null!=e&&this.isObjectProperty(e)?(this.toAssignable(e.value,t),e):super.toAssignable(e,t)}toAssignableObjectExpr
essionProp(e,...t){\\\\"get\\\\\\"===e.kind||\\\\"set\\\\\\"===e.kind?this.raise(e.key.start,T.PatternHasAccessor):e.method?thi
s.raise(e.key.start,T.PatternHasMethod):super.toAssignableObjectExpressionProp(e,...t)}finishCallExpression(e,t){i
f(super.finishCallExpression(e,t),\\\\"Import\\\\\\"===e.callee.type){var
r;if(e.type=\\\\"ImportExpression\\\\\\",e.source=e.arguments[0],this.hasPlugin(\\\\"importAssertions\\\\\\"))e.attributes=nu
ll!=(r=e.arguments[1])?r:null;delete e.arguments,delete e.callee}return
e}toReferencedArguments(e){\\\\"ImportExpression\\\\\\"!==e.type&&super.toReferencedArguments(e)}parseExport(e
){switch(super.parseExport(e),e.type){case\\\\"ExportAllDeclaration\\\\\\":e.exported=null;break;case\\\\"ExportNamed
Declaration\\\\\\":1===e.specifiers.length&&\\\\"ExportNamespaceSpecifier\\\\\\"===e.specifiers[0].type&&(e.type=\\\\"E
xportAllDeclaration\\\\\\",e.exported=e.specifiers[0].exported,delete e.specifiers)}return
e}parseSubscript(e,t,r,n,i){const
s=super.parseSubscript(e,t,r,n,i);if(i.optionalChainMember){if(\\\\"OptionalMemberExpression\\\\\\"!==s.type&&\\\\"O
ptionalCallExpression\\\\\\"!==s.type||(s.type=s.type.substring(8)),i.stop){const e=this.startNodeAtNode(s);return
e.expression=s,this.finishNode(e,\\\\"ChainExpression\\\\\\")}else\\\\"MemberExpression\\\\\\"!==s.type&&\\\\"CallExpre
sion\\\\\\"!==s.type||(s.optional=!1);return
s}hasPropertyAsPrivateName(e){return\\\\"ChainExpression\\\\\\"===e.type&&(e=e.expression),super.hasPropertyAsP
rivateName(e)}isOptionalChain(e){return\\\\"ChainExpression\\\\\\"===e.type}isObjectProperty(e){return\\\\"Property\\
\\"===e.type&&\\\\"init\\\\\\"===e.kind&&!e.method}isObjectMethod(e){return
e.method||\\\\"get\\\\\\"===e.kind||\\\\"set\\\\\\"===e.kind},jsx:e=>class extends e{jsxReadToken(){let
e=\\\\"\\\\\\",t=this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,te.UnterminatedJsxCContent);const r=this.input.charCodeAtAt(this.state.pos);switch(r){case
60:case 123:return
this.state.pos===this.state.start?60===r&&this.state.exprAllowed?(++this.state.pos,this.finishToken(o.jsxTagStart))
:super.getTokenFromCode(r):(e+=this.input.slice(t,this.state.pos),this.finishToken(o.jsxText,e));case
38:e+=this.input.slice(t,this.state.pos),e+=this.jsxReadEntity(),t=this.state.pos;break;case 62:case
125:default:p(r)?(e+=this.input.slice(t,this.state.pos),e+=this.jsxReadNewLine(!0),t=this.state.pos):++this.state.pos
}}jsxReadNewLine(e){const t=this.input.charCodeAtAt(this.state.pos);let
r;return++this.state.pos,13===t&&10===this.input.charCodeAtAt(this.state.pos)?(++this.state.pos,r=e?\\\\"\\\\n\\\\\\":\\\\"\\
\\\\r\\\\n\\\\\\"):r=String.fromCharCode(t),++this.state.curLine,this.state.lineStart=this.state.pos,r}jsxReadString(e){let
t=\\\\"\\\\\\",r=++this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,T.UnterminatedString);const
n=this.input.charCodeAtAt(this.state.pos);if(n===e)break;38===n?(t+=this.input.slice(r,this.state.pos),t+=this.jsxRead
Entity(),r=this.state.pos):p(n)?(t+=this.input.slice(r,this.state.pos),t+=this.jsxReadNewLine(!1),r=this.state.pos):++th
is.state.pos}return t+=this.input.slice(r,this.state.pos++),this.finishToken(o.string,t)}jsxReadEntity(){let
e,t=\\\\"\\\\\\",r=0,n=this.input[this.state.pos];const

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i=++this.state.pos;for(;this.state.pos<this.length&&r++<10;){if(n=this.input[this.state.pos++],\|\|:"\|\|===n){\|\|#\|\|
===t[0]?\\x\|\|===t[1]?(t=t.substr(2),Z.test(t)&&(e=String.fromCharCode(parseInt(t,16))):(t=t.substr(1),ee.test(t)
&&(e=String.fromCharCode(parseInt(t,10))):e=Q[t];break }t+=n}return
e|(this.state.pos=i,\|\|"&\|\|")}jsxReadWord(){let e;const
t=this.state.pos;do{e=this.input.charCodeAt(++this.state.pos)}while(N(e)|45===e);return
this.finishToken(o.jsxName,this.input.slice(t,this.state.pos))}jsxParseIdentifier(){const e=this.startNode();return
this.match(o.jsxName)?e.name=this.state.value:this.state.type.keyword?e.name=this.state.type.keyword:this.unexpe
cted(),this.next(),this.finishNode(e,\|\|"JSXIdentifier\|\|")}jsxParseNamespacedName(){const
e=this.state.start,t=this.state.startLoc,r=this.jsxParseIdentifier();if(!this.eat(o.colon))return r;const
n=this.startNodeAt(e,t);return
n.namespace=r,n.name=this.jsxParseIdentifier(),this.finishNode(n,\|\|"JSXNamespacedName\|\|")}jsxParseElementN
ame(){const e=this.state.start,t=this.state.startLoc;let
r=this.jsxParseNamespacedName();if(\|\|"JSXNamespacedName\|\|===r.type)return r;for(;this.eat(o.dot);){const
n=this.startNodeAt(e,t);n.object=r,n.property=this.jsxParseIdentifier(),r=this.finishNode(n,\|\|"JSXMemberExpressio
n\|\|")}return r}jsxParseAttributeValue(){let e;switch(this.state.type){case o.braceL:return
e=this.startNode(),this.next(),e=this.jsxParseExpressionContainer(e,\|\|"JSXEmptyExpression\|\|===e.expression.ty
pe&&this.raise(e.start,te.AttributeIsEmpty),e;case o.jsxTagStart:case o.string:return
this.parseExprAtom();default:throw
this.raise(this.state.start,te.UnsupportedJsxValue)} }jsxParseEmptyExpression(){const
e=this.startNodeAt(this.state.lastTokEnd,this.state.lastTokEndLoc);return
this.finishNodeAt(e,\|\|"JSXEmptyExpression\|\|",this.state.start,this.state.startLoc)}jsxParseSpreadChild(e){return
this.next(),e.expression=this.parseExpression(),this.expect(o.braceR),this.finishNode(e,\|\|"JSXSpreadChild\|\|")}jsxP
arseExpressionContainer(e){if(this.match(o.braceR))e.expression=this.jsxParseEmptyExpression();else{const
t=this.parseExpression();e.expression=t}return
this.expect(o.braceR),this.finishNode(e,\|\|"JSXExpressionContainer\|\|")}jsxParseAttribute(){const
e=this.startNode();return
this.eat(o.braceL)?(this.expect(o.ellipsis),e.argument=this.parseMaybeAssignAllowIn(),this.expect(o.braceR),this.fi
nishNode(e,\|\|"JSXSpreadAttribute\|\|")):(e.name=this.jsxParseNamespacedName(),e.value=this.eat(o.eq)?this.jsxPa
rseAttributeValue():null,this.finishNode(e,\|\|"JSXAttribute\|\|")}jsxParseOpeningElementAt(e,t){const
r=this.startNodeAt(e,t);return
this.match(o.jsxTagEnd)?(this.expect(o.jsxTagEnd),this.finishNode(r,\|\|"JSXOpeningFragment\|\|")):(r.name=this.js
xParseElementName(),this.jsxParseOpeningElementAfterName(r))}jsxParseOpeningElementAfterName(e){const
t=[];for(;!this.match(o.slash)&&!this.match(o.jsxTagEnd);)t.push(this.jsxParseAttribute());return
e.attributes=t,e.selfClosing=this.eat(o.slash),this.expect(o.jsxTagEnd),this.finishNode(e,\|\|"JSXOpeningElement\|\|")
}jsxParseClosingElementAt(e,t){const r=this.startNodeAt(e,t);return
this.match(o.jsxTagEnd)?(this.expect(o.jsxTagEnd),this.finishNode(r,\|\|"JSXClosingFragment\|\|")):(r.name=this.js
xParseElementName(),this.expect(o.jsxTagEnd),this.finishNode(r,\|\|"JSXClosingElement\|\|")}jsxParseElementAt(e,
t){const r=this.startNodeAt(e,t),n=[],i=this.jsxParseOpeningElementAt(e,t);let
s=null;if(!i.selfClosing){e:for(;;)switch(this.state.type){case
o.jsxTagStart:if(e=this.state.start,t=this.state.startLoc,this.next(),this.eat(o.slash)){s=this.jsxParseClosingElementAt(
e,t);break e}n.push(this.jsxParseElementAt(e,t));break;case o.jsxText:n.push(this.parseExprAtom());break;case
o.braceL:{const
e=this.startNode();this.next(),this.match(o.ellipsis)?n.push(this.jsxParseSpreadChild(e)):n.push(this.jsxParseExpress
ionContainer(e));break}default:throw
this.unexpected()}re(i)&&!re(s)?this.raise(s.start,te.MissingClosingTagFragment):!re(i)&&re(s)?this.raise(s.start,te.
MissingClosingTagElement,ne(i.name)):re(i)|re(s)||ne(s.name)!==ne(i.name)&&this.raise(s.start,te.MissingClosing
TagElement,ne(i.name))}if(re(i)?(r.openingFragment=i,r.closingFragment=s):(r.openingElement=i,r.closingElement
=s),r.children=n,this.isRelational(\|\|"<\|\|"))throw

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this.raise(this.state.start,te.UnwrappedAdjacentJSXElements);return
re(i)?this.finishNode(r,\\JSXFragment\\):this.finishNode(r,\\JSXElement\\)}jsxParseElement(){const
e=this.state.start,t=this.state.startLoc;return this.next(),this.jsxParseElementAt(e,t)}parseExprAtom(e){return
this.match(o.jsxText)?this.parseLiteral(this.state.value,\\JSXText\\):this.match(o.jsxTagStart)?this.jsxParseElement
nt():this.isRelational(\\<\\)&&33!==(this.input.charCodeAt(this.state.pos)?(this.finishToken(o.jsxTagStart),this.js
xParseElement()):super.parseExprAtom(e)}getTokenFromCode(e){if(this.state.inPropertyName)return
super.getTokenFromCode(e);const t=this.curContext();if(t===x.j_expr)return
this.jsxReadToken();if(t===x.j_oTag||t===x.j_cTag){if(C(e))return
this.jsxReadWord();if(62===e)return++this.state.pos,this.finishToken(o.jsxTagEnd);if((34===e||39===e)&&t===x.
j_oTag)return this.jsxReadString(e)}return
60===e&&this.state.exprAllowed&&33!==(this.input.charCodeAt(this.state.pos+1)?(++this.state.pos,this.finishToku
n(o.jsxTagStart)):super.getTokenFromCode(e)}updateContext(e){if(this.match(o.braceL)){const
t=this.curContext();t===x.j_oTag?this.state.context.push(x.braceExpression):t===x.j_expr?this.state.context.push(x.
templateQuasi):super.updateContext(e),this.state.exprAllowed=!0}else{if(!this.match(o.slash)||e!==o.jsxTagStart)ret
urn super.updateContext(e);this.state.context.length-
=2,this.state.context.push(x.j_cTag),this.state.exprAllowed=!1}}},flow:e=>class extends
e{constructor(...e){super(...e),this.flowPragma=void 0}getScopeHandler(){return W}shouldParseTypes(){return
this.getPluginOption(\\flow\\,\\all\\)||\\flow\\===this.flowPragma}shouldParseEnums(){return!!this.getPlu
ginOption(\\flow\\,\\enums\\)}finishToken(e,t){return
e!==o.string&&e!==o.semi&&e!==o.interpreterDirective&&void
0===this.flowPragma&&(this.flowPragma=null),super.finishToken(e,t)}addComment(e){if(void
0===this.flowPragma){const
t=$.exec(e.value);if(t)if(\\flow\\===t[1])this.flowPragma=\\flow\\;else{if(\\noflow\\!==t[1])throw new
Error(\\Unexpected flow pragma\\);this.flowPragma=\\noflow\\}else;}return
super.addComment(e)}flowParseTypeInitialiser(e){const
t=this.state.inType;this.state.inType=!0,this.expect(e||o.colon);const r=this.flowParseType();return
this.state.inType=t,r}flowParsePredicate(){const e=this.startNode(),t=this.state.start;return
this.next(),this.expectContextual(\\checks\\),this.state.lastTokStart>t+1&&this.raise(t,J.UnexpectedSpaceBetwee
nModuloChecks),this.eat(o.parenL)?(e.value=this.parseExpression(),this.expect(o.parenR),this.finishNode(e,\\Dec
laredPredicate\\)):this.finishNode(e,\\InferredPredicate\\)}flowParseTypeAndPredicateInitialiser(){const
e=this.state.inType;this.state.inType=!0,this.expect(o.colon);let t=null,r=null;return
this.match(o.modulo)?(this.state.inType=e,r=this.flowParsePredicate()):t=this.flowParseType(),this.state.inType=e,
this.match(o.modulo)&&(r=this.flowParsePredicate()),[t,r]}flowParseDeclareClass(e){return
this.next(),this.flowParseInterfaceish(e,!0),this.finishNode(e,\\DeclareClass\\)}flowParseDeclareFunction(e){this
.next();const
t=e.id=this.parseIdentifier(),r=this.startNode(),n=this.startNode();this.isRelational(\\<\\)?r.typeParameters=this.fl
owParseTypeParameterDeclaration():r.typeParameters=null,this.expect(o.parenL);const
i=this.flowParseFunctionTypeParams();return
r.params=i.params,r.rest=i.rest,r.this=i._this,this.expect(o.parenR),[r.returnType,e.predicate]=this.flowParseTypeAn
dPredicateInitialiser(),n.typeAnnotation=this.finishNode(r,\\FunctionTypeAnnotation\\),t.typeAnnotation=this.fi
nishNode(n,\\TypeAnnotation\\),this.resetEndLocation(t),this.semicolon(),this.scope.declareName(e.id.name,204
8,e.id.start),this.finishNode(e,\\DeclareFunction\\)}flowParseDeclare(e,t){if(this.match(o._class))return
this.flowParseDeclareClass(e);if(this.match(o._function))return
this.flowParseDeclareFunction(e);if(this.match(o._var))return
this.flowParseDeclareVariable(e);if(this.eatContextual(\\module\\))return
this.match(o.dot)?this.flowParseDeclareModuleExports(e):(t&&this.raise(this.state.lastTokStart,J.NestedDeclareMo
dule),this.flowParseDeclareModule(e));if(this.isContextual(\\type\\))return
this.flowParseDeclareTypeAlias(e);if(this.isContextual(\\opaque\\))return

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this.flowParseDeclareOpaqueType(e);if(this.isContextual(\\\\"interface\\\\"))return
this.flowParseDeclareInterface(e);if(this.match(o._export))return this.flowParseDeclareExportDeclaration(e,t);throw
this.unexpected()}flowParseDeclareVariable(e){return
this.next(),e.id=this.flowParseTypeAnnotatableIdentifier(!0),this.scope.declareName(e.id.name,5,e.id.start),this.semicolon(),this.finishNode(e,\\\\"DeclareVariable\\\\")}flowParseDeclareModule(e){this.scope.enter(0),this.match(o.string)?e.id=this.parseExprAtom():e.id=this.parseIdentifier();const
t=e.body=this.startNode(),r=t.body=[];for(this.expect(o.braceL);!this.match(o.braceR);){let
e=this.startNode();this.match(o._import)?(this.next(),this.isContextual(\\\\"type\\\\"))||this.match(o._typeof)||this.raise(this.state.lastTokStart,J.InvalidNonTypeImportInDeclareModule),this.parseImport(e):(this.expectContextual(\\\\"declare\\\\"),J.UnsupportedStatementInDeclareModule),e=this.flowParseDeclare(e,!0),r.push(e)}this.scope.exit(),this.expect(o.braceR),this.finishNode(t,\\\\"BlockStatement\\\\"");let n=null,i=!1;return
r.forEach(e=>{!function(e){return\\\\"DeclareExportAllDeclaration\\\\"===e.type||\\\\"DeclareExportDeclaration\\\\"===e.type&&(!e.declaration||\\\\"TypeAlias\\\\"!==e.declaration.type&&\\\\"InterfaceDeclaration\\\\"!==e.declaration.type)}(e)?\\\\"DeclareModuleExports\\\\"===e.type&&(i&&this.raise(e.start,J.DuplicateDeclareModuleExports),\\\\"ES\\\\"===n&&this.raise(e.start,J.AmbiguousDeclareModuleKind),n=\\\\"CommonJS\\\\"),i=!0):(\\\\"CommonJS\\\\"===n&&this.raise(e.start,J.AmbiguousDeclareModuleKind),n=\\\\"ES\\\\")),e.kind=n||\\\\"CommonJS\\\\"},this.finishNode(e,\\\\"DeclareModule\\\\"")}flowParseDeclareExportDeclaration(e,t){if(this.expect(o._export),this.eat(o._default))return
this.match(o._function)||this.match(o._class)?e.declaration=this.flowParseDeclare(this.startNode()):e.declaration=this.flowParseType(),this.semicolon(),e.default=!0,this.finishNode(e,\\\\"DeclareExportDeclaration\\\\"");if(this.match(o._const)||this.isLet()||this.isContextual(\\\\"type\\\\"))||this.isContextual(\\\\"interface\\\\"))&&t){const
e=this.state.value,t=z[e];throw
this.raise(this.state.start,J.UnsupportedDeclareExportKind,e,t)}if(this.match(o._var)||this.match(o._function)||this.match(o._class)||this.isContextual(\\\\"opaque\\\\"))return
e.declaration=this.flowParseDeclare(this.startNode()),e.default=!1,this.finishNode(e,\\\\"DeclareExportDeclaration\\\\"");if(this.match(o.star)||this.match(o.braceL)||this.isContextual(\\\\"interface\\\\"))||this.isContextual(\\\\"type\\\\"))||this.isContextual(\\\\"opaque\\\\"))return\\\\"ExportNamedDeclaration\\\\"===e.type&&(e.type=\\\\"ExportDeclaration\\\\"",e.default=!1,delete e.exportKind),e.type=\\\\"Declare\\\\"+e.type,e;throw
this.unexpected()}flowParseDeclareModuleExports(e){return
this.next(),this.expectContextual(\\\\"exports\\\\""),e.typeAnnotation=this.flowParseTypeAnnotation(),this.semicolon(),
this.finishNode(e,\\\\"DeclareModuleExports\\\\")}flowParseDeclareTypeAlias(e){return
this.next(),this.flowParseTypeAlias(e),e.type=\\\\"DeclareTypeAlias\\\\"",e}flowParseDeclareOpaqueType(e){return
this.next(),this.flowParseOpaqueType(e,!0),e.type=\\\\"DeclareOpaqueType\\\\"",e}flowParseDeclareInterface(e){return
n
this.next(),this.flowParseInterfaceish(e),this.finishNode(e,\\\\"DeclareInterface\\\\"")}flowParseInterfaceish(e,t=!1){if(
e.id=this.flowParseRestrictedIdentifier(!t,!0),this.scope.declareName(e.id.name,t?17:9,e.id.start),this.isRelational(\\\\"<\\\\"))?e.typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.extends=[],e.implements=[],e.mixins=[],this.eat(o._extends))do{e.extends.push(this.flowParseInterfaceExtends())}while(!t&&this.eat(o.comma));if(this.isContextual(\\\\"mixins\\\\"))){this.next();do{e.mixins.push(this.flowParseInterfaceExtends())}while(this.eat(o.comma));if(this.isContextual(\\\\"implements\\\\"))){this.next();do{e.implements.push(this.flowParseInterfaceExtends())}while(this.eat(o.comma))}e.body=this.flowParseObjectType({allowStatic:t,allowExact:!1,allowSpread:!1,allowProto:t,allowInexact:!1})}flowParseInterfaceExtends(){const e=this.startNode();return
e.id=this.flowParseQualifiedTypeIdentifier(),this.isRelational(\\\\"<\\\\")?e.typeParameters=this.flowParseTypeParameterInstantiation():e.typeParameters=null,this.finishNode(e,\\\\"InterfaceExtends\\\\"")}flowParseInterface(e){return
this.flowParseInterfaceish(e),this.finishNode(e,\\\\"InterfaceDeclaration\\\\"")}checkNotUnderscore(e){\\\\"_\\\\"===e&&this.raise(this.state.start,J.UnexpectedReservedUnderscore)}checkReservedType(e,t,r){X.has(e)&&this.raise(t,r?J.AssignReservedType:J.UnexpectedReservedType,e)}flowParseRestrictedIdentifier(e,t){return
this.checkReservedType(this.state.value,this.state.start,t),this.parseIdentifier(e)}flowParseTypeAlias(e){return
e.id=this.flowParseRestrictedIdentifier(!1,!0),this.scope.declareName(e.id.name,9,e.id.start),this.isRelational(\\\\"<\\\\"

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    )?e.typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.right=this.flowParseTypeInitialiser(o.eq),this.semicolon(),this.finishNode(e,\\\\"TypeAlias\\\\"))}flowParseOpaqueType(e,t){return this.expectContextual(\\\\"type\\\\"),e.id=this.flowParseRestrictedIdentifier(!0,!0),this.scope.declareName(e.id.name,9,e.id.start),this.isRelational(\\\\"<\\\\")?e.typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.supertype=null,this.match(o.colon)&&(e.supertype=this.flowParseTypeInitialiser(o.colon)),e.impltype=null,t||(e.impltype=this.flowParseTypeInitialiser(o.eq)),this.semicolon(),this.finishNode(e,\\\\"OpaqueType\\\\"))}flowParseTypeParameter(e=!1){const t=this.state.start,r=this.startNode(),n=this.flowParseVariance(),i=this.flowParseTypeAnnotatableIdentifier();return r.name=i.name,r.variance=n,r.bound=i.typeAnnotation,this.match(o.eq)?(this.eat(o.eq),r.default=this.flowParseType()):e&&this.raise(t,J.MissingTypeParamDefault),this.finishNode(r,\\\\"TypeParameter\\\\"))}flowParseTypeParameterDeclaration(){const e=this.state.inType,t=this.startNode();t.params=[],this.state.inType=!0,this.isRelational(\\\\"<\\\\")||this.match(o.jsxTagStart)?this.next():this.unexpected();let r=!1;do{const e=this.flowParseTypeParameter(r);t.params.push(e),e.default&&(r=!0),this.isRelational(\\\\">\\\\")||this.expect(o.comma)}while(!this.isRelational(\\\\">\\\\"));return this.expectRelational(\\\\">\\\\"),this.state.inType=e,this.finishNode(t,\\\\"TypeParameterDeclaration\\\\"))}flowParseTypeParameterInstantiation(){const e=this.startNode(),t=this.state.inType;e.params=[],this.state.inType=!0,this.expectRelational(\\\\"<\\\\");const r=this.state.noAnonFunctionType;for(this.state.noAnonFunctionType=!1;!this.isRelational(\\\\">\\\\");)e.params.push(this.flowParseType()),this.isRelational(\\\\">\\\\")||this.expect(o.comma);return this.state.noAnonFunctionType=r,this.expectRelational(\\\\">\\\\"),this.state.inType=t,this.finishNode(e,\\\\"TypeParameterInstantiation\\\\"))}flowParseTypeParameterInstantiationCallOrNew(){const e=this.startNode(),t=this.state.inType;for(e.params=[],this.state.inType=!0,this.expectRelational(\\\\"<\\\\");!this.isRelational(\\\\">\\\\");)e.params.push(this.flowParseTypeOrImplicitInstantiation()),this.isRelational(\\\\">\\\\")||this.expect(o.comma);return this.expectRelational(\\\\">\\\\"),this.state.inType=t,this.finishNode(e,\\\\"TypeParameterInstantiation\\\\"))}flowParseInterfaceType(){const e=this.startNode();if(this.expectContextual(\\\\"interface\\\\"),e.extends=[],this.eat(o._extends))do{e.extends.push(this.flowParseInterfaceExtends());}while(this.eat(o.comma));return e.body=this.flowParseObjectType({allowStatic:!1,allowExact:!1,allowSpread:!1,allowProto:!1,allowInexact:!1}),this.finishNode(e,\\\\"InterfaceTypeAnnotation\\\\"))}flowParseObjectPropertyKey(){return this.match(o.num)||this.match(o.string)?this.parseExprAtom():this.parseIdentifier(!0)}flowParseObjectTypeIndexer(e,t,r){return e.static=t,this.lookahead().type===o.colon?(e.id=this.flowParseObjectPropertyKey(),e.key=this.flowParseTypeInitialiser():(e.id=null,e.key=this.flowParseType()),this.expect(o.bracketR),e.value=this.flowParseTypeInitialiser(),e.variance=r,this.finishNode(e,\\\\"ObjectTypeIndexer\\\\"))}flowParseObjectTypeInternalSlot(e,t){return e.static=t,e.id=this.flowParseObjectPropertyKey(),this.expect(o.bracketR),this.expect(o.bracketR),this.isRelational(\\\\"<\\\\")||this.match(o.parenL)?(e.method=!0,e.optional=!1,e.value=this.flowParseObjectTypeMethodish(this.startNodeAt(e.start,e.loc.start))):(e.method=!1,this.eat(o.question)&&(e.optional=!0),e.value=this.flowParseTypeInitialiser()),this.finishNode(e,\\\\"ObjectTypeInternalSlot\\\\"))}flowParseObjectTypeMethodish(e){for(e.params=[],e.rest=null,e.typeParameters=null,e.this=null,this.isRelational(\\\\"<\\\\")&&(e.typeParameters=this.flowParseTypeParameterDeclaration()),this.expect(o.parenL),this.match(o._this)&&(e.this=this.flowParseFunctionTypeParam(!0),e.this.name=null,this.match(o.parenR)||this.expect(o.comma));!this.match(o.parenR)&&!this.match(o.ellipsis);)e.params.push(this.flowParseFunctionTypeParam(!1)),this.match(o.parenR)||this.expect(o.comma);return this.eat(o.ellipsis)&&(e.rest=this.flowParseFunctionTypeParam(!1)),this.expect(o.parenR),e.returnType=this.flowParseTypeInitialiser(),this.finishNode(e,\\\\"FunctionTypeAnnotation\\\\"))}flowParseObjectTypeCallProperty(e,t){const r=this.startNode();return e.static=t,e.value=this.flowParseObjectTypeMethodish(r),this.finishNode(e,\\\\"ObjectTypeCallProperty\\\\"))}flowPar

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seObjectType({ allowStatic:e,allowExact:t,allowSpread:r,allowProto:n,allowInexact:i }) { const
s=this.state.inType;this.state.inType=!0;const a=this.startNode();let
l,c;a.callProperties=[],a.properties=[],a.indexers=[],a.internalSlots=[];let
p=!1;for(t&&this.match(o.braceBarL)?(this.expect(o.braceBarL),l=o.braceBarR,c=!0):(this.expect(o.braceL),l=o.braceR,c=!1),a.exact=c;!this.match(l)){let t=!1,s=null,l=null;const
u=this.startNode();if(n&&this.isContextual(("\\proto\\"))){ const
t=this.lookahead();t.type!==o.colon&&t.type!==o.question&&(this.next(),s=this.state.start,e=!1)}if(e&&this.isContextual(("\\static\\"))){ const e=this.lookahead();e.type!==o.colon&&e.type!==o.question&&(this.next(),t=!0)}const
d=this.flowParseVariance();if(this.eat(o.bracketL))null!=s&&this.unexpected(s),this.eat(o.bracketL)?(d&&this.unexpected(d.start),a.internalSlots.push(this.flowParseObjectTypeInternalSlot(u,t)):a.indexers.push(this.flowParseObjectTypeIndexer(u,t,d));else
if(this.match(o.parenL)||this.isRelational(("\\<\\"))null!=s&&this.unexpected(s),d&&this.unexpected(d.start),a.callProperties.push(this.flowParseObjectTypeCallProperty(u,t));else { let
e=("\\init\\"");if(this.isContextual(("\\get\\""))||this.isContextual(("\\set\\""))){ const
t=this.lookahead();t.type!==o.name&&t.type!==o.string&&t.type!==o.num||(e=this.state.value,this.next())}const
n=this.flowParseObjectTypeProperty(u,t,s,d,e,r,null!=i?i:c);null===n?(p=!0,l=this.state.lastTokStart):a.properties.push(n)}this.flowObjectTypeSemicolon(),!||this.match(o.braceR)||this.match(o.braceBarR)||this.raise(l,J.UnexpectedExplicitInexactInObject)}this.expect(l),r&&(a.inexact=p);const
u=this.finishNode(a,("\\ObjectTypeAnnotation\\"));return
this.state.inType=s,u}flowParseObjectTypeProperty(e,t,r,n,i,s,a){ if(this.eat(o.ellipsis)){ return
this.match(o.comma)||this.match(o.semi)||this.match(o.braceR)||this.match(o.braceBarR)?(s?a||this.raise(this.state.lastTokStart,J.InexactInsideExact):this.raise(this.state.lastTokStart,J.InexactInsideNonObject),n&&this.raise(n.start,J.InexactVariance),null):(s||this.raise(this.state.lastTokStart,J.UnexpectedSpreadType),null!=r&&this.unexpected(r),n&&this.raise(n.start,J.SpreadVariance),e.argument=this.flowParseType(),this.finishNode(e,("\\ObjectTypeSpreadProperty\\"))){ e.key=this.flowParseObjectPropertyKey(),e.static=t,e.proto=null!=r,e.kind=i;let a=!1;return
this.isRelational(("\\<\\"))||this.match(o.parenL)?(e.method=!0,null!=r&&this.unexpected(r),n&&this.unexpected(n.start),e.value=this.flowParseObjectTypeMethodish(this.startNodeAt(e.start,e.loc.start)),("\\get\\")!=i&&("\\set\\")!=i||this.flowCheckGetterSetterParams(e),!s&&("\\constructor\\")==e.key.name&&e.value.this&&this.raise(e.value.start,J.ThisParamBannedInConstructor)):("\\init\\")!=i&&this.unexpected(),e.method=!1,this.eat(o.question)&&(a=!0),e.value=this.flowParseTypeInitialiser(),e.variance=n,e.optional=a,this.finishNode(e,("\\ObjectTypeProperty\\"))}flowCheckGetterSetterParams(e){ const
t=("\\get\\"")==e.kind?0:1,r=e.start,n=e.value.params.length+(e.value.rest?1:0);e.value.this&&this.raise(e.value.start,("\\get\\")==e.kind?J.GetterMayNotHaveThisParam:J.SetterMayNotHaveThisParam),n!=t&&(("\\get\\")==e.kind?this.raise(r,T.BadGetterArity):this.raise(r,T.BadSetterArity)),("\\set\\")==e.kind&&e.value.rest&&this.raise(r,T.BadSetterRestParameter)}flowObjectTypeSemicolon(){ this.eat(o.semi)||this.eat(o.comma)||this.match(o.braceR)||this.match(o.braceBarR)||this.unexpected()}flowParseQualifiedTypeIdentifier(e,t,r){ e=e||this.state.start,t=t||this.state.startLoc;let n=r||this.flowParseRestrictedIdentifier(!0);for(;this.eat(o.dot);){ const
r=this.startNodeAt(e,t);r.qualification=n,r.id=this.flowParseRestrictedIdentifier(!0),n=this.finishNode(r,("\\QualifiedTypeIdentifier\\"))return n}flowParseGenericType(e,t,r){ const n=this.startNodeAt(e,t);return
n.typeParameters=null,n.id=this.flowParseQualifiedTypeIdentifier(e,t,r),this.isRelational(("\\<\\"))&&(n.typeParameters=this.flowParseTypeParameterInstantiation()),this.finishNode(n,("\\GenericTypeAnnotation\\"))}flowParseTypeofType(){ const e=this.startNode();return
this.expect(o._typeof),e.argument=this.flowParsePrimaryType(),this.finishNode(e,("\\TypeofTypeAnnotation\\"))}flowParseTupleType(){ const
e=this.startNode();for(e.types=[],this.expect(o.bracketL);this.state.pos<this.length&&!this.match(o.bracketR)&&(e.types.push(this.flowParseType()),!this.match(o.bracketR));)this.expect(o.comma);return
this.expect(o.bracketR),this.finishNode(e,("\\TupleTypeAnnotation\\"))}flowParseFunctionTypeParam(e){ let
t=null,r=!1,n=null;const i=this.startNode(),s=this.lookahead(),a=this.state.type===o._this;return

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s.type===o.colon||s.type===o.question?(a&&!e&&this.raise(i.start,J.ThisParamMustBeFirst),t=this.parseIdentifier(
a),this.eat(o.question)&&(r=!0,a&&this.raise(i.start,J.ThisParamMayNotBeOptional)),n=this.flowParseTypeInitialis
er():n=this.flowParseType(),i.name=t,i.optional=r,i.typeAnnotation=n,this.finishNode(i,\\\\"FunctionTypeParam\\\\"))
}reinterpretTypeAsFunctionTypeParam(e){const t=this.startNodeAt(e.start,e.loc.start);return
t.name=null,t.optional=!1,t.typeAnnotation=e,this.finishNode(t,\\\\"FunctionTypeParam\\\\"))}flowParseFunctionType
Params(e=[]){let
t=null,r=null;for(this.match(o._this)&&(r=this.flowParseFunctionTypeParam(!0),r.name=null,this.match(o.parenR)||
this.expect(o.comma));!this.match(o.parenR)&&!this.match(o.ellipsis);)e.push(this.flowParseFunctionTypeParam(!
1)),this.match(o.parenR)||this.expect(o.comma);return
this.eat(o.ellipsis)&&(t=this.flowParseFunctionTypeParam(!1)),{params:e,rest:t,_this:r}}flowIdentToTypeAnnotati
on(e,t,r,n){switch(n.name){case\\\\"any\\\\":return
this.finishNode(r,\\\\"AnyTypeAnnotation\\\\"");case\\\\"bool\\\\":case\\\\"boolean\\\\":return
this.finishNode(r,\\\\"BooleanTypeAnnotation\\\\"");case\\\\"mixed\\\\":return
this.finishNode(r,\\\\"MixedTypeAnnotation\\\\"");case\\\\"empty\\\\":return
this.finishNode(r,\\\\"EmptyTypeAnnotation\\\\"");case\\\\"number\\\\":return
this.finishNode(r,\\\\"NumberTypeAnnotation\\\\"");case\\\\"string\\\\":return
this.finishNode(r,\\\\"StringTypeAnnotation\\\\"");case\\\\"symbol\\\\":return
this.finishNode(r,\\\\"SymbolTypeAnnotation\\\\"");default:return
this.checkNotUnderscore(n.name),this.flowParseGenericType(e,t,n)}}flowParsePrimaryType(){const
e=this.state.start,t=this.state.startLoc,r=this.startNode();let n,i,s=!1;const
a=this.state.noAnonFunctionType;switch(this.state.type){case o.name:return
this.isContextual(\\\\"interface\\\\")?this.flowParseInterfaceType():this.flowIdentToTypeAnnotation(e,t,r,this.parseIde
ntifier());case o.braceL:return
this.flowParseObjectType({allowStatic:!1,allowExact:!1,allowSpread:!0,allowProto:!1,allowInexact:!0});case
o.braceBarL:return
this.flowParseObjectType({allowStatic:!1,allowExact:!0,allowSpread:!0,allowProto:!1,allowInexact:!1});case
o.bracketL:return
this.state.noAnonFunctionType=!1,i=this.flowParseTupleType(),this.state.noAnonFunctionType=a,i;case
o.relational;if(\\\\"<\\\\"===this.state.value)return
r.typeParameters=this.flowParseTypeParameterDeclaration(),this.expect(o.parenL),n=this.flowParseFunctionTypeP
arams(),r.params=n.params,r.rest=n.rest,r.this=n._this,this.expect(o.parenR),this.expect(o.arrow),r.returnType=this.f
lowParseType(),this.finishNode(r,\\\\"FunctionTypeAnnotation\\\\"");break;case
o.parenL;if(this.next(),!this.match(o.parenR)&&!this.match(o.ellipsis))if(this.match(o.name)||this.match(o._this)){c
onst e=this.lookahead().type;s=e!==o.question&&e!==o.colon}else
s=!0;if(s){if(this.state.noAnonFunctionType=!1,i=this.flowParseType(),this.state.noAnonFunctionType=a,this.state.
noAnonFunctionType||(this.match(o.comma)||this.match(o.parenR)&&this.lookahead().type===o.arrow))return
this.expect(o.parenR),i;this.eat(o.comma)}return
n=i?this.flowParseFunctionTypeParams([this.reinterpretTypeAsFunctionTypeParam(i)]:this.flowParseFunctionTyp
eParams(),r.params=n.params,r.rest=n.rest,r.this=n._this,this.expect(o.parenR),this.expect(o.arrow),r.returnType=thi
s.flowParseType(),r.typeParameters=null,this.finishNode(r,\\\\"FunctionTypeAnnotation\\\\"");case o.string:return
this.parseLiteral(this.state.value,\\\\"StringLiteralTypeAnnotation\\\\"");case o._true:case o._false:return
r.value=this.match(o._true),this.next(),this.finishNode(r,\\\\"BooleanLiteralTypeAnnotation\\\\"");case
o.plusMin;if(\\\\"-\\\\"===this.state.value){if(this.next(),this.match(o.num))return this.parseLiteral(-
this.state.value,\\\\"NumberLiteralTypeAnnotation\\\\"",r.start,r.loc.start);if(this.match(o.bigint))return
this.parseLiteral(-this.state.value,\\\\"BigIntLiteralTypeAnnotation\\\\"",r.start,r.loc.start);throw
this.raise(this.state.start,J.UnexpectedSubtractionOperand)}throw this.unexpected();case o.num:return
this.parseLiteral(this.state.value,\\\\"NumberLiteralTypeAnnotation\\\\"");case o.bigint:return
this.parseLiteral(this.state.value,\\\\"BigIntLiteralTypeAnnotation\\\\"");case o._void:return

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this.next(),this.finishNode(r,\\\"VoidTypeAnnotation\\\");case o._null:return
this.next(),this.finishNode(r,\\\"NullLiteralTypeAnnotation\\\");case o._this:return
this.next(),this.finishNode(r,\\\"ThisTypeAnnotation\\\");case o.star:return
this.next(),this.finishNode(r,\\\"ExistsTypeAnnotation\\\");default:if(\\\"typeof\\\"===this.state.type.keyword)return
this.flowParseTypeofType();if(this.state.type.keyword){const e=this.state.type.label;return
this.next(),super.createIdentifier(r,e)}throw this.unexpected()}flowParsePostfixType(){const
e=this.state.start,t=this.state.startLoc;let
r=this.flowParsePrimaryType(),n=!1;for(:(this.match(o.bracketL)||this.match(o.questionDot))&&!this.canInsertSemi
colon());{const
i=this.startNodeAt(e,t),s=this.eat(o.questionDot);n=n||s,this.expect(o.bracketL),!s&&this.match(o.bracketR)?(i.elem
entType=r,this.next(),r=this.finishNode(i,\\\"ArrayTypeAnnotation\\\");(i.objectType=r,i.indexType=this.flowParse
Type(),this.expect(o.bracketR),n?(i.optional=s,r=this.finishNode(i,\\\"OptionalIndexedAccessType\\\");r=this.finish
Node(i,\\\"IndexedAccessType\\\");return r}flowParsePrefixType(){const e=this.startNode();return
this.eat(o.question)?(e.typeAnnotation=this.flowParsePrefixType(),this.finishNode(e,\\\"NullableTypeAnnotation\\\
)):this.flowParsePostfixType()}flowParseAnonFunctionWithoutParens(){const
e=this.flowParsePrefixType();if(!this.state.noAnonFunctionType&&this.eat(o.arrow)){const
t=this.startNodeAt(e.start,e.loc.start);return
t.params=[this.reinterpretTypeAsFunctionTypeParam(e),t.rest=null,t.this=null,t.returnType=this.flowParseType(),t
.typeParameters=null,this.finishNode(t,\\\"FunctionTypeAnnotation\\\");return e}flowParseIntersectionType(){const
e=this.startNode();this.eat(o.bitwiseAND);const
t=this.flowParseAnonFunctionWithoutParens();for(e.types=[t];this.eat(o.bitwiseAND);)e.types.push(this.flowParse
AnonFunctionWithoutParens());return
1===e.types.length?t:this.finishNode(e,\\\"IntersectionTypeAnnotation\\\");flowParseUnionType(){const
e=this.startNode();this.eat(o.bitwiseOR);const
t=this.flowParseIntersectionType();for(e.types=[t];this.eat(o.bitwiseOR);)e.types.push(this.flowParseIntersectionTy
pe());return 1===e.types.length?t:this.finishNode(e,\\\"UnionTypeAnnotation\\\");flowParseType(){const
e=this.state.inType;this.state.inType=!0;const t=this.flowParseUnionType();return
this.state.inType=e,this.state.exprAllowed=this.state.exprAllowed||this.state.noAnonFunctionType,t}flowParseType
OrImplicitInstantiation(){if(this.state.type===o.name&&\\\"_\\\"===this.state.value){const
e=this.state.start,t=this.state.startLoc,r=this.parseIdentifier();return this.flowParseGenericType(e,t,r)}return
this.flowParseType()}flowParseTypeAnnotation(){const e=this.startNode();return
e.typeAnnotation=this.flowParseTypeInitialiser(),this.finishNode(e,\\\"TypeAnnotation\\\");flowParseTypeAnnotata
bleIdentifier(e){const t=e?this.parseIdentifier():this.flowParseRestrictedIdentifier();return
this.match(o.colon)&&(t.typeAnnotation=this.flowParseTypeAnnotation(),this.resetEndLocation(t)),t}typeCastToPa
rameter(e){return
e.expression.typeAnnotation=e.typeAnnotation,this.resetEndLocation(e.expression,e.typeAnnotation.end,e.typeAnn
otation.loc.end),e.expression}flowParseVariance(){let e=null;return
this.match(o.plusMin)&&(e=this.startNode(),\\\"+\\\"===this.state.value?e.kind=\\\"plus\\\":e.kind=\\\"minus\\\",this
.next(),this.finishNode(e,\\\"Variance\\\");e}parseFunctionBody(e,t,r=!1){return
t?this.forwardNoArrowParamsConversionAt(e,()=>super.parseFunctionBody(e,!0,r):super.parseFunctionBody(e,!1,
r)}parseFunctionBodyAndFinish(e,t,r=!1){if(this.match(o.colon)){const
t=this.startNode();[t.typeAnnotation,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),e.returnType=t.typeA
nnotation?this.finishNode(t,\\\"TypeAnnotation\\\"):null}super.parseFunctionBodyAndFinish(e,t,r)}parseStatement(
e,t){if(this.state.strict&&this.match(o.name)&&\\\"interface\\\"===this.state.value){const
e=this.lookahead();if(e.type===o.name||U(e.value)){const e=this.startNode();return
this.next(),this.flowParseInterface(e)}else if(this.shouldParseEnums())&&this.isContextual(\\\"enum\\\");{const
e=this.startNode();return this.next(),this.flowParseEnumDeclaration(e)}const r=super.parseStatement(e,t);return
void

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0!==(this.flowPragma||this.isValidDirective(r)||this.flowPragma=null,r)parseExpressionStatement(e,t){if(\\\\"Identifier\\\\"===t.type)if(\\\\"declare\\\\"===t.name){if(this.match(o._class)||this.match(o.name)||this.match(o._function)||this.match(o._var)||this.match(o._export))return this.flowParseDeclare(e)}else
if(this.match(o.name)){if(\\\\"interface\\\\"===t.name)return this.flowParseInterface(e);if(\\\\"type\\\\"===t.name)return
this.flowParseTypeAlias(e);if(\\\\"opaque\\\\"===t.name)return this.flowParseOpaqueType(e,!1)}return
super.parseExpressionStatement(e,t)}shouldParseExportDeclaration(){return
this.isContextual(\\\\"type\\\\")||this.isContextual(\\\\"interface\\\\")||this.isContextual(\\\\"opaque\\\\")||this.shouldParseEnums()&&this.isContextual(\\\\"enum\\\\")||super.shouldParseExportDeclaration()}isExportDefaultSpecifier(){return(!this.match(o.name)||!(\\\\"type\\\\"===this.state.value||\\\\"interface\\\\"===this.state.value||\\\\"opaque\\\\"===this.state.value||this.shouldParseEnums()&&\\\\"enum\\\\"===this.state.value))&&super.isExportDefaultSpecifier()}parseExportDefaultExpression(){if(this.shouldParseEnums()&&this.isContextual(\\\\"enum\\\\")){const e=this.startNode();return this.next(),this.flowParseEnumDeclaration(e)}return
super.parseExportDefaultExpression()}parseConditional(e,t,r,n){if(!this.match(o.question))return e;if(n){const i=this.tryParse(=>super.parseConditional(e,t,r));return
i.node?(i.error&&(this.state=i.failState),i.node):(n.start=i.error.pos||this.state.start,e)}this.expect(o.question);const i=this.state.clone(),s=this.state.noArrowAt,a=this.startNodeAt(t,r);let {consequent:l,failed:c}=this.tryParseConditionalConsequent(),[p,u]=this.getArrowLikeExpressions(l);if(c||u.length>0){const e=[...s];if(u.length>0){this.state=i,this.state.noArrowAt=e;for(let t=0;t<u.length;t++)e.push(u[t].start);({consequent:l,failed:c}=this.tryParseConditionalConsequent(),[p,u]=this.getArrowLikeExpressions(l)}c&&p.length>1&&this.raise(i.start,J.AmbiguousConditionalArrow),c&&1===p.length&&(this.state=i,this.state.noArrowAt=e.concat(p[0].start),({consequent:l,failed:c}=this.tryParseConditionalConsequent()))}return
this.getArrowLikeExpressions(l,!0),this.state.noArrowAt=s,this.expect(o.colon),a.test=e,a.consequent=l,a.alternate=this.forwardNoArrowParamsConversionAt(a,=>this.parseMaybeAssign(void 0,void 0,void 0)),this.finishNode(a,\\\\"ConditionalExpression\\\\")}tryParseConditionalConsequent(){this.state.noArrowParamsConversionAt.push(this.state.start);const e=this.parseMaybeAssignAllowIn(),t=!this.match(o.colon);return
this.state.noArrowParamsConversionAt.pop(),{consequent:e,failed:t}}getArrowLikeExpressions(e,t){const r=[e],n=[];for(;0!==r.length;){const e=r.pop();\\\\"ArrowFunctionExpression\\\\"===e.type?(e.typeParameters||e.returnType?this.finishArrowValidation(e):n.push(e),r.push(e.body)):\\\\"ConditionalExpression\\\\"===e.type&&(r.push(e.consequent),r.push(e.alternate))}return t?(n.forEach(e=>this.finishArrowValidation(e)),[n,[]]):function(e,t){const r=[],n=[];for(let i=0;i<e.length;i++){(t[e[i]],i,e)?r:n).push(e[i]);return[r,n]}(n,e=>e.params.every(e=>this.isAssignable(e,!0)))}finishArrowValidation(e){var t;this.toAssignableList(e.params,null==(t=e.extra)?void 0:t.trailingComma,!1),this.scope.enter(6),super.checkParams(e,!1,!0),this.scope.exit()}forwardNoArrowParamsConversionAt(e,t){let r;return-
1!==(this.state.noArrowParamsConversionAt.indexOf(e.start)?(this.state.noArrowParamsConversionAt.push(this.state.start),r=t(),this.state.noArrowParamsConversionAt.pop():r=t(),r)}parseParenItem(e,t,r){if(e=super.parseParenItem(e,t,r),this.eat(o.question)&&(e.optional=!0,this.resetEndLocation(e)),this.match(o.colon)){const n=this.startNodeAt(t,r);return
n.expression=e,n.typeAnnotation=this.flowParseTypeAnnotation(),this.finishNode(n,\\\\"TypeCastExpression\\\\")}return
e}assertModuleNodeAllowed(e){\\\\"ImportDeclaration\\\\"===e.type&&(\\\\"type\\\\"===e.importKind||\\\\"typeof\\\\"===e.importKind)||\\\\"ExportNamedDeclaration\\\\"===e.type&&(\\\\"type\\\\"===e.exportKind||\\\\"ExportAllDeclaration\\\\"===e.type&&(\\\\"type\\\\"===e.exportKind||super.assertModuleNodeAllowed(e)}parseExport(e){const t=super.parseExport(e);return\\\\"ExportNamedDeclaration\\\\"!==t.type&&(\\\\"ExportAllDeclaration\\\\"!==t.type||t.exportKind=t.exportKind||\\\\"value\\\\"),t}parseExportDeclaration(e){if(this.isContextual(\\\\"type\\\\")){e.exportKind=\\\\"type\\\\";const t=this.startNode();return
this.next(),this.match(o.braceL)?(e.specifiers=this.parseExportSpecifiers(),this.parseExportFrom(e),null):this.flowPa

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rseTypeAlias(t)}if(this.isContextual(\\\\"opaque\\\\\\")){e.exportKind=\\\\"type\\\\\\";const t=this.startNode();return
this.next(),this.flowParseOpaqueType(t,!1)}if(this.isContextual(\\\\"interface\\\\\\")){e.exportKind=\\\\"type\\\\\\";const
t=this.startNode();return
this.next(),this.flowParseInterface(t)}if(this.shouldParseEnums())&&this.isContextual(\\\\"enum\\\\\\")){e.exportKind=\\\\"
value\\\\\\";const t=this.startNode();return this.next(),this.flowParseEnumDeclaration(t)}return
super.parseExportDeclaration(e)}eatExportStar(e){return!!super.eatExportStar(...arguments)}!(this.isContextual(\\\\"
type\\\\\\")||this.lookahead().type!==o.star)&&(e.exportKind=\\\\"type\\\\\\" ,this.next(),this.next(),!0)}maybeParseExport
NamespaceSpecifier(e){const t=this.state.start,r=super.maybeParseExportNamespaceSpecifier(e);return
r&&\\\\"type\\\\\\"===e.exportKind&&this.unexpected(t,r)}parseClassId(e,t,r){super.parseClassId(e,t,r),this.isRelation
al(\\\\"<\\\\\\")&&(e.typeParameters=this.flowParseTypeParameterDeclaration())}parseClassMember(e,t,r){const
n=this.state.start;if(this.isContextual(\\\\"declare\\\\\\")){if(this.parseClassMemberFromModifier(e,t))return;t.declare=!
0}super.parseClassMember(e,t,r),t.declare&&(\\\\"ClassProperty\\\\\\"!==t.type&&\\\\"ClassPrivateProperty\\\\\\"!==t.typ
e&&\\\\"PropertyDefinition\\\\\\"!==t.type?this.raise(n,J.DeclareClassElement):t.value&&this.raise(t.value.start,J.Decla
reClassFieldInitializer))isIterator(e){return\\\\"iterator\\\\\\"===e||\\\\"asyncIterator\\\\\\"===e}readIterator(){const
e=super.readWord1(),t=\\\\"@\\\\\\"+e;this.isIterator(e)&&this.state.inType||this.raise(this.state.pos,T.InvalidIdentifie
r,t),this.finishToken(o.name,t)}getTokenFromCode(e){const t=this.input.charCodeAt(this.state.pos+1);return
123===e&&124===t?this.finishOp(o.braceBarL,2):!this.state.inType||62!==e&&60!==e?this.state.inType&&63===
e?46===t?this.finishOp(o.questionDot,2):this.finishOp(o.question,1):function(e,t){return
64===e&&64===t}(e,t)?(this.state.pos+=2,this.readIterator()):super.getTokenFromCode(e):this.finishOp(o.relation
al,1)}isAssignable(e,t){switch(e.type){case\\\\"Identifier\\\\\\":case\\\\"ObjectPattern\\\\\\":case\\\\"ArrayPattern\\\\\\":case\\\\"
AssignmentPattern\\\\\\":return!0;case\\\\"ObjectExpression\\\\\\":{const t=e.properties.length-1;return
e.properties.every((e,r)=>\\\\"ObjectMethod\\\\\\"!==e.type&&(r===t||\\\\"SpreadElement\\\\\\"===e.type)&&this.isAssign
able(e))}case\\\\"ObjectProperty\\\\\\":return this.isAssignable(e.value);case\\\\"SpreadElement\\\\\\":return
this.isAssignable(e.argument);case\\\\"ArrayExpression\\\\\\":return
e.elements.every(e=>this.isAssignable(e));case\\\\"AssignmentExpression\\\\\\":return\\\\"=\\\\\\"===e.operator;case\\\\"Par
thesizedExpression\\\\\\":case\\\\"TypeCastExpression\\\\\\":return
this.isAssignable(e.expression);case\\\\"MemberExpression\\\\\\":case\\\\"OptionalMemberExpression\\\\\\":return!t;default
:return!1}}toAssignable(e,t=!1){return\\\\"TypeCastExpression\\\\\\"===e.type?super.toAssignable(this.typeCastToPar
ameter(e),t):super.toAssignable(e,t)}toAssignableList(e,t,r){for(let t=0;t<e.length;t++){const
r=e[t];\\\\"TypeCastExpression\\\\\\"===e.type?(null===r?void 0:r.type)&&(e[t]=this.typeCastToParameter(r))}return
super.toAssignableList(e,t,r)}toReferencedList(e,t){for(let n=0;n<e.length;n++){var r;const
i=e[n];!i||\\\\"TypeCastExpression\\\\\\"!==i.type||null!=(r=i.extra)&&r.pthesized||!(e.length>1)&&t||this.raise(i.typ
eAnnotation.start,J.TypeCastInPattern)}return e}parseArrayLike(e,t,r,n){const
i=super.parseArrayLike(e,t,r,n);return
t&&!this.state.maybeInArrowParameters&&this.toReferencedList(i.elements,i)}checkLVal(e,...t){if(\\\\"TypeCastEx
pression\\\\\\"!==e.type)return super.checkLVal(e,...t)}parseClassProperty(e){return
this.match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),super.parseClassProperty(e)}parseClass
PrivateProperty(e){return
this.match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),super.parseClassPrivateProperty(e)}isC
lassMethod(){return this.isRelational(\\\\"<\\\\\\")||super.isClassMethod()}isClassProperty(){return
this.match(o.colon)||super.isClassProperty()}isNonstaticConstructor(e){return!this.match(o.colon)&&super.isNonsta
ticConstructor(e)}pushClassMethod(e,t,r,n,i,s){if(t.variance&&this.unexpected(t.variance.start),delete
t.variance,this.isRelational(\\\\"<\\\\\\")&&(t.typeParameters=this.flowParseTypeParameterDeclaration()),super.pushCl
assMethod(e,t,r,n,i,s),t.params&&i){const
e=t.params;e.length>0&&this.isThisParam(e[0])&&this.raise(t.start,J.ThisParamBannedInConstructor)}else
if(\\\\"MethodDefinition\\\\\\"===t.type&&i&&t.value.params){const
e=t.value.params;e.length>0&&this.isThisParam(e[0])&&this.raise(t.start,J.ThisParamBannedInConstructor)}push
ClassPrivateMethod(e,t,r,n){t.variance&&this.unexpected(t.variance.start),delete

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t.variance,this.isRelational(\\\\"<\\\\"))&&(t.typeParameters=this.flowParseTypeParameterDeclaration()),super.pushClassPrivateMethod(e,t,r,n)}parseClassSuper(e){if(super.parseClassSuper(e),e.superClass&&this.isRelational(\\\\"<\\\\"))&&(e.superTypeParameters=this.flowParseTypeParameterInstantiation()),this.isContextual(\\\\"implements\\\\"))){this.s.next();const t=e.implements=[];do{const e=this.startNode();e.id=this.flowParseRestrictedIdentifier(!0),this.isRelational(\\\\"<\\\\")?e.typeParameters=this.flowParseTypeParameterInstantiation():e.typeParameters=null,t.push(this.finishNode(e,\\\\"ClassImplements\\\\"))}while(!this.eat(o.comma))}checkGetterSetterParams(e){super.checkGetterSetterParams(e);const t=this.getObjectOrClassMethodParams(e);if(t.length>0){const r=t[0];this.isThisParam(r)&&\\\\"get\\\\"===e.kind?this.raise(r.start,J.GetterMayNotHaveThisParam):this.isThisParam(r)&&this.raise(r.start,J.SetterMayNotHaveThisParam)}parsePropertyName(e,t){const r=this.flowParseVariance(),n=super.parsePropertyName(e,t);return e.variance=r,n}parseObjPropValue(e,t,r,n,i,s,a,l){let c;e.variance&&this.unexpected(e.variance.start),delete e.variance,this.isRelational(\\\\"<\\\\"))&&!a&&(c=this.flowParseTypeParameterDeclaration(),this.match(o.parenL)||this.is.unexpected()),super.parseObjPropValue(e,t,r,n,i,s,a,l),c&&((e.value||e).typeParameters=c)}parseAssignableListItemTypes(e){return this.eat(o.question)&&(\\\\"Identifier\\\\")!==e.type&&this.raise(e.start,J.OptionalBindingPattern),this.isThisParam(e)&&this.raise(e.start,J.ThisParamMayNotBeOptional),e.optional=!0,this.match(o.colon)?e.typeAnnotation=this.flowParseTypeAnnotation():this.isThisParam(e)&&this.raise(e.start,J.ThisParamAnnotationRequired),this.match(o.eq)&&this.isThisParam(e)&&this.raise(e.start,J.ThisParamNoDefault),this.resetEndLocation(e),e}parseMaybeDefault(e,t,r){const n=super.parseMaybeDefault(e,t,r);return\\\\"AssignmentPattern\\\\"===n.type&&n.typeAnnotation&&n.right.start<n.typeAnnotation.start&&this.raise(n.typeAnnotation.start,J.TypeBeforeInitializer),n}shouldParseDefaultImport(e){return H(e)?G(this.state):super.shouldParseDefaultImport(e)}parseImportSpecifierLocal(e,t,r,n){t.local=H(e)?this.flowParseRestrictedIdentifier(!0,!0):this.parseIdentifier(),this.checkLVal(t.local,n,9),e.specifiers.push(this.finishNode(t,r))maybeParseDefaultImportSpecifier(e){e.importKind=\\\\"value\\\\";let t=null;if(this.match(o._typeof)?t=\\\\"typeof\\\\":this.isContextual(\\\\"type\\\\"))&&(t=\\\\"type\\\\"),t){const r=this.lookahead();\\\\"type\\\\"===t&&r.type===o.star&&this.unexpected(r.start),(G(r)||r.type===o.braceL||r.type===o.star)&&(this.next(),e.importKind=t)}return super.maybeParseDefaultImportSpecifier(e)}parseImportSpecifier(e){const t=this.startNode(),r=this.state.start,n=this.parseModuleExportName();let i=null;\\\\"Identifier\\\\"===n.type&&(\\\\"type\\\\"===n.name?i=\\\\"type\\\\":\\\\"typeof\\\\"===n.name&&(i=\\\\"typeof\\\\"));let s=!1;if(this.isContextual(\\\\"as\\\\"))&&!this.isLookaheadContextual(\\\\"as\\\\")){const e=this.parseIdentifier(!0);null===i||this.match(o.name)||this.state.type.keyword?(t.imported=n,t.importKind=null,t.local=this.parseIdentifier():t.imported=e,t.importKind=i,t.local=e.__clone())}else if(null!==i&&(this.match(o.name)||this.state.type.keyword))t.imported=this.parseIdentifier(!0),t.importKind=i,this.eatContextual(\\\\"as\\\\")?t.local=this.parseIdentifier():(s=!0,t.local=t.imported.__clone());else{if(\\\\"StringLiteral\\\\"===n.type)throw this.raise(t.start,T.ImportBindingIsString,n.value);s=!0,t.imported=n,t.importKind=null,t.local=t.imported.__clone()}const a=H(e),l=H(t);a&&l&&this.raise(r,J.ImportTypeShorthandOnlyInPureImport),(a||l)&&this.checkReservedType(t.local.name,t.local.start,!0),!s||a||l||this.checkReservedWord(t.local.name,t.start,!0,!0),this.checkLVal(t.local,\\\\"import specifier\\\\"),e.specifiers.push(this.finishNode(t,\\\\"ImportSpecifier\\\\"))}parseBindingAtom(){switch(this.state.type){case o._this:return this.parseIdentifier(!0);default:return super.parseBindingAtom()}parseFunctionParams(e,t){const r=e.kind;\\\\"get\\\\"!==r&&\\\\"set\\\\"!==r&&this.isRelational(\\\\"<\\\\"))&&(e.typeParameters=this.flowParseTypeParameterDeclaration()),super.parseFunctionParams(e,t)}parseVarId(e,t){super.parseVarId(e,t),this.match(o.colon)&&(e.id.typeAnnotation=this.flowParseTypeAnnotation(),this.resetEndLocation(e.id))}parseAsyncArrowFromCallExpres

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ssion(e,t){if(this.match(o.colon)){const
t=this.state.noAnonFunctionType;this.state.noAnonFunctionType=!0,e.returnType=this.flowParseTypeAnnotation()
,this.state.noAnonFunctionType=t}return
super.parseAsyncArrowFromCallExpression(e,t)}shouldParseAsyncArrow(){return
this.match(o.colon)||super.shouldParseAsyncArrow()}parseMaybeAssign(e,t,r){var n;let
i,s=null;if(this.hasPlugin(\\\\"jsx\\\\"))&&(this.match(o.jsxTagStart)||this.isRelational(\\\\"<\\\\"))){if(s=this.state.clone(),
i=this.tryParse(=>super.parseMaybeAssign(e,t,r),s),!i.error)return i.node;const{context:n}=this.state;n[n.length-
1]==x.j_oTag?n.length-=2:n[n.length-1]==x.j_expr&&(n.length-
=1)}if(null!=(n=i)&&n.error||this.isRelational(\\\\"<\\\\")){var a,l;let n;s=s||this.state.clone();const
o=this.tryParse(i=>{var s;n=this.flowParseTypeParameterDeclaration();const
a=this.forwardNoArrowParamsConversionAt(n,=>{const i=super.parseMaybeAssign(e,t,r);return
this.resetStartLocationFromNode(i,n,i)});\\\\"ArrowFunctionExpression\\\\"!==(s=a.extra)&&s.parent
hesized&&i);const o=this.maybeUnwrapTypeCastExpression(a);return
o.typeParameters=n,this.resetStartLocationFromNode(o,n,a},s);let
c=null;if(o.node&&\\\\"ArrowFunctionExpression\\\\"===this.maybeUnwrapTypeCastExpression(o.node).type){if(!o
.error&&!o.aborted)return
o.node.async&&this.raise(n.start,J.UnexpectedTypeParameterBeforeAsyncArrowFunction),o.node;c=o.node}if(null
!=(a=i)&&a.node)return this.state=i.failState,i.node;if(c)return
this.state=o.failState,c;if(null!=(l=i)&&l.thrown)throw i.error;if(o.thrown)throw o.error;throw
this.raise(n.start,J.UnexpectedTokenAfterTypeParameter)}return
super.parseMaybeAssign(e,t,r)}parseArrow(e){if(this.match(o.colon)){const t=this.tryParse(=>{const
t=this.state.noAnonFunctionType;this.state.noAnonFunctionType=!0;const
r=this.startNode();return[r.typeAnnotation,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),this.state.noAn
onFunctionType=t,this.canInsertSemicolon())&&this.unexpected(),this.match(o.arrow)||this.unexpected(),r});if(t.thro
wn)return
null;t.error&&(this.state=t.failState),e.returnType=t.node.typeAnnotation?this.finishNode(t.node,\\\\"TypeAnnotatio
n\\\\"):null}return super.parseArrow(e)}shouldParseArrow(){return
this.match(o.colon)||super.shouldParseArrow()}setArrowFunctionParameters(e,t){-
1!==(this.state.noArrowParamsConversionAt.indexOf(e.start)?e.params=t.super.setArrowFunctionParameters(e,t):c
heckParams(e,t,r){if(!r|-1===this.state.noArrowParamsConversionAt.indexOf(e.start))){for(let
t=0;t<e.params.length;t++)this.isThisParam(e.params[t])&&t>0&&this.raise(e.params[t].start,J.ThisParamMustBeFi
rst);return super.checkParams(...arguments)}}}parseParenAndDistinguishExpression(e){return
super.parseParenAndDistinguishExpression(e&&-
1===this.state.noArrowAt.indexOf(this.state.start))}parseSubscripts(e,t,r,n){if(\\\\"Identifier\\\\"===e.type&&\\\\"asyn
c\\\\"===e.name&&-1!==(this.state.noArrowAt.indexOf(t))){this.next();const
n=this.startNodeAt(t,r);n.callee=e,n.arguments=this.parseCallExpressionArguments(o.parenR,!1),e=this.finishNode(
n,\\\\"CallExpression\\\\")}else
if(\\\\"Identifier\\\\"===e.type&&\\\\"async\\\\"===e.name&&this.isRelational(\\\\"<\\\\")){const
i=this.state.clone(),s=this.tryParse(e=>this.parseAsyncArrowWithTypeParameters(t,r)||e),i;if(!s.error&&!s.aborted
)return s.node;const a=this.tryParse(=>super.parseSubscripts(e,t,r,n),i);if(a.node&&!a.error)return
a.node;if(s.node)return this.state=s.failState,s.node;if(a.node)return this.state=a.failState,a.node;throw
s.error||a.error}return
super.parseSubscripts(e,t,r,n)}parseSubscript(e,t,r,n,i){if(this.match(o.questionDot)&&this.isLookaheadToken_It())
{if(i.optionalChainMember=!0,n)return i.stop=!0,e,this.next();const s=this.startNodeAt(t,r);return
s.callee=e,s.typeArguments=this.flowParseTypeParameterInstantiation(),this.expect(o.parenL),s.arguments=this.par
seCallExpressionArguments(o.parenR,!1),s.optional=!0,this.finishCallExpression(s,!0)}if(!n&&this.shouldParseTyp
es())&&this.isRelational(\\\\"<\\\\")){const n=this.startNodeAt(t,r);n.callee=e;const
s=this.tryParse(=>(n.typeArguments=this.flowParseTypeParameterInstantiationCallOrNew(),this.expect(o.parenL)

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,n.arguments=this.parseCallExpressionArguments(o.parenR,!1),i.optionalChainMember&&(n.optional=!1),this.finishCallExpression(n,i.optionalChainMember));if(s.node)return s.error&&(this.state=s.failState),s.node}return
super.parseSubscript(e,t,r,n,i)}parseNewArguments(e){let
t=null;this.shouldParseTypes()&&this.isRelational(\\\\"<\\\\")&&(t=this.tryParse(=>this.flowParseTypeParameterInstantiationCallOrNew()).node),e.typeArguments=t,super.parseNewArguments(e)}parseAsyncArrowWithTypeParameters(e,t){const r=this.startNodeAt(e,t);if(this.parseFunctionParams(r),this.parseArrow(r))return
this.parseArrowExpression(r,void 0,!0)}readToken_mult_modulo(e){const
t=this.input.charCodeAt(this.state.pos+1);if(42===e&&47===t&&this.state.hasFlowComment)return
this.state.hasFlowComment=!1,this.state.pos+=2,void
this.nextToken();super.readToken_mult_modulo(e)}readToken_pipe_amp(e){const
t=this.input.charCodeAt(this.state.pos+1);124!==(e||125!==(t?super.readToken_pipe_amp(e):this.finishOp(o.braceBarR,2))}parseTopLevel(e,t){const r=super.parseTopLevel(e,t);return
this.state.hasFlowComment&&this.raise(this.state.pos,J.UnterminatedFlowComment),r}skipBlockComment(){if(this.state.hasFlowComment&&this.skipFlowComment())return
this.state.hasFlowComment&&this.unexpected(null,J.NestedFlowComment),this.state.hasFlowCommentCompletion(),this.state.pos+=this.skipFlowComment(),void(this.state.hasFlowComment=!0);if(this.state.hasFlowComment){const
e=this.input.indexOf(\\\\"*-^\\\\" ,this.state.pos+=2);if(-1===e)throw this.raise(this.state.pos-2,T.UnterminatedComment);this.state.pos=e+3}else
super.skipBlockComment()}skipFlowComment(){const{pos:e}=this.state;let
t=2;for(;[32,9].includes(this.input.charCodeAt(e+t));)t++;const
r=this.input.charCodeAt(t+e),n=this.input.charCodeAt(t+e+1);return 58===r&&58===n?t+2:\\\\"flow-include\\\\"===this.input.slice(t+e,t+e+12)?t+12:58===r&&58!==(n&&t)}hasFlowCommentCompletion(){if(-1===this.input.indexOf(\\\\"*^\\\\" ,this.state.pos))throw
this.raise(this.state.pos,T.UnterminatedComment)}flowEnumErrorBooleanMemberNotInitialized(e,{enumName:t,memberName:r}){this.raise(e,J.EnumBooleanMemberNotInitialized,r,t)}flowEnumErrorInvalidMemberName(e,{enumName:t,memberName:r}){const
n=r[0].toUpperCase()+r.slice(1);this.raise(e,J.EnumInvalidMemberName,r,n,t)}flowEnumErrorDuplicateMemberName(e,{enumName:t,memberName:r}){this.raise(e,J.EnumDuplicateMemberName,r,t)}flowEnumErrorInconsistentMemberValues(e,{enumName:t}){this.raise(e,J.EnumInconsistentMemberValues,t)}flowEnumErrorInvalidExplicitType(e,{enumName:t,suppliedType:r}){return
this.raise(e,null===r?J.EnumInvalidExplicitTypeUnknownSupplied:J.EnumInvalidExplicitType,t,r)}flowEnumErrorInvalidMemberInitializer(e,{enumName:t,explicitType:r,memberName:n}){let
i=null;switch(r){case\\\\"boolean\\\\" :case\\\\"number\\\\" :case\\\\"string\\\\" :i=J.EnumInvalidMemberInitializerPrimaryType;break;case\\\\"symbol\\\\" :i=J.EnumInvalidMemberInitializerSymbolType;break;default:i=J.EnumInvalidMemberInitializerUnknownType}return
this.raise(e,i,t,n,r)}flowEnumErrorNumberMemberNotInitialized(e,{enumName:t,memberName:r}){this.raise(e,J.EnumNumberMemberNotInitialized,t,r)}flowEnumErrorStringMemberInconsistentlyInitailized(e,{enumName:t}){this.raise(e,J.EnumStringMemberInconsistentlyInitailized,t)}flowEnumMemberInit(){const
e=this.state.start,t=(==>this.match(o.comma)||this.match(o.braceR));switch(this.state.type){case o.num:{const
r=this.parseLiteral(this.state.value,\\\\"NumericLiteral\\\\" );return
t)?{type:\\\\"number\\\\" ,pos:r.start,value:r}:{type:\\\\"invalid\\\\" ,pos:e}}case o.string:{const
r=this.parseLiteral(this.state.value,\\\\"StringLiteral\\\\" );return
t)?{type:\\\\"string\\\\" ,pos:r.start,value:r}:{type:\\\\"invalid\\\\" ,pos:e}}case o._true:case o._false:{const
r=this.parseBooleanLiteral();return
t)?{type:\\\\"boolean\\\\" ,pos:r.start,value:r}:{type:\\\\"invalid\\\\" ,pos:e}}default:return{type:\\\\"invalid\\\\" ,pos:e}}flowEnumMemberRaw(){const
e=this.state.start;return{id:this.parseIdentifier(!0),init:this.eat(o.eq)?this.flowEnumMemberInit():{type:\\\\"none\\\\" ,pos:e}}flowEnumCheckExplicitTypeMismatch(e,t,r){const{explicitType:n}=t,null!==(n&&n!==(r&&this.flowEnum

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ErrorInvalidMemberInitializer(e,t)}flowEnumMembers({enumName:e,explicitType:t}){const r=new
Set,n={booleanMembers:[],numberMembers:[],stringMembers:[],defaultedMembers:[]};let
i=1;for(;!this.match(o.braceR);}if(this.eat(o.ellipsis)){i=!0;break}const
s=this.startNode(),{id:a,init:l}=this.flowEnumMemberRaw(),c=a.name;if(\\\\"===c)continue;^[a-
z]/.test(c)&&this.flowEnumErrorInvalidMemberName(a.start,{enumName:e,memberName:c}),r.has(c)&&this.flow
EnumErrorDuplicateMemberName(a.start,{enumName:e,memberName:c}),r.add(c);const
p={enumName:e,explicitType:t,memberName:c};switch(s.id=a,l.type){case\\\\"boolean\\\\":this.flowEnumCheckExp
licitTypeMismatch(l.pos,p,\\\\"boolean\\\\"),s.init=l.value,n.booleanMembers.push(this.finishNode(s,\\\\"EnumBoolea
nMember\\\\"));break;case\\\\"number\\\\":this.flowEnumCheckExplicitTypeMismatch(l.pos,p,\\\\"number\\\\"),s.init=l.v
alue,n.numberMembers.push(this.finishNode(s,\\\\"EnumNumberMember\\\\"));break;case\\\\"string\\\\":this.flowEnum
CheckExplicitTypeMismatch(l.pos,p,\\\\"string\\\\"),s.init=l.value,n.stringMembers.push(this.finishNode(s,\\\\"EnumSt
ringMember\\\\"));break;case\\\\"invalid\\\\":throw
this.flowEnumErrorInvalidMemberInitializer(l.pos,p);case\\\\"none\\\\":switch(t){case\\\\"boolean\\\\":this.flowEnumEr
rorBooleanMemberNotInitialized(l.pos,p);break;case\\\\"number\\\\":this.flowEnumErrorNumberMemberNotInitializ
ed(l.pos,p);break;default:n.defaultedMembers.push(this.finishNode(s,\\\\"EnumDefaultedMember\\\\"))}this.match(o
.braceR)||this.expect(o.comma)}return{members:n,hasUnknownMembers:i}}flowEnumStringMembers(e,t,{enumN
ame:r}){if(0===e.length)return t;if(0===t.length)return e;if(t.length>e.length){for(const t of
e)this.flowEnumErrorStringMemberInconsistentlyInitailized(t.start,{enumName:r});return t}for(const e of
t)this.flowEnumErrorStringMemberInconsistentlyInitailized(e.start,{enumName:r});return
e}flowEnumParseExplicitType({enumName:e}){if(this.eatContextual(\\\\"of\\\\"))if(!this.match(o.name))throw
this.flowEnumErrorInvalidExplicitType(this.state.start,{enumName:e,suppliedType:null});const{value:t}=this.state;
return
this.next(),\\\\"boolean\\\\"!==t&&\\\\"number\\\\"!==t&&\\\\"string\\\\"!==t&&\\\\"symbol\\\\"!==t&&this.flowEnumErro
rInvalidExplicitType(this.state.start,{enumName:e,suppliedType:t}),t}return
null}flowEnumBody(e,{enumName:t,nameLoc:r}){const
n=this.flowEnumParseExplicitType({enumName:t});this.expect(o.braceL);const{members:i,hasUnknownMembers:
s}=this.flowEnumMembers({enumName:t,explicitType:n});switch(e.hasUnknownMembers=s,n){case\\\\"boolean\\\\"
":return
e.explicitType=!0,e.members=i.booleanMembers,this.expect(o.braceR),this.finishNode(e,\\\\"EnumBooleanBody\\\\"
);case\\\\"number\\\\":return
e.explicitType=!0,e.members=i.numberMembers,this.expect(o.braceR),this.finishNode(e,\\\\"EnumNumberBody\\\\"
);case\\\\"string\\\\":return
e.explicitType=!0,e.members=this.flowEnumStringMembers(i.stringMembers,i.defaultedMembers,{enumName:t}),
this.expect(o.braceR),this.finishNode(e,\\\\"EnumStringBody\\\\"");case\\\\"symbol\\\\":return
e.members=i.defaultedMembers,this.expect(o.braceR),this.finishNode(e,\\\\"EnumSymbolBody\\\\"");default:{const
n()=>(e.members=[],this.expect(o.braceR),this.finishNode(e,\\\\"EnumStringBody\\\\""));e.explicitType=!1;const
s=i.booleanMembers.length,a=i.numberMembers.length,l=i.stringMembers.length,c=i.defaultedMembers.length;if(s
||a||l||c){if(s||a){if(!a&&!l&&s>=c){for(const e of
i.defaultedMembers)this.flowEnumErrorBooleanMemberNotInitialized(e.start,{enumName:t,memberName:e.id.na
me});return
e.members=i.booleanMembers,this.expect(o.braceR),this.finishNode(e,\\\\"EnumBooleanBody\\\\"")}if(!s&&!l&&a>=
c){for(const e of
i.defaultedMembers)this.flowEnumErrorNumberMemberNotInitialized(e.start,{enumName:t,memberName:e.id.na
me});return
e.members=i.numberMembers,this.expect(o.braceR),this.finishNode(e,\\\\"EnumNumberBody\\\\"")}return
this.flowEnumErrorInconsistentMemberValues(r,{enumName:t}),n()}return
e.members=this.flowEnumStringMembers(i.stringMembers,i.defaultedMembers,{enumName:t}),this.expect(o.brace
R),this.finishNode(e,\\\\"EnumStringBody\\\\"")}return n()}}flowParseEnumDeclaration(e){const

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t=this.parseIdentifier();return
e.id=t,e.body=this.flowEnumBody(this.startNode(),{enumName:t.name,nameLoc:t.start}),this.finishNode(e,\\\\"EnumDeclaration\\\\"})updateContext(e){this.match(o.name)&&\\\\"of\\\\"===this.state.value&&e===o.name&&\\\\"interface\\\\"===this.input.slice(this.state.lastTokStart,this.state.lastTokEnd)?this.state.exprAllowed=!1:super.updateContext(e)}isLookaheadToken_lt(){const e=this.nextTokenStart();if(60===this.input.charCodeAt(e)){const t=this.input.charCodeAt(e+1);return 60!==(t&&61)!==t)return!1}maybeUnwrapTypeCastExpression(e){return\\\\"TypeCastExpression\\\\"===e.type?e.expression:e},typescript:e=>class extends e{getScopeHandler(){return se}tsIsIdentifier(){return this.match(o.name)}tsTokenCanFollowModifier(){return(this.match(o.bracketL)||this.match(o.braceL)||this.match(o.star)||this.match(o.ellipsis)||this.match(o.privateName)||this.isLiteralPropertyName())&&!this.hasPrecedingLineBreak()}tsNextTokenCanFollowModifier(){return this.next(),this.tsTokenCanFollowModifier()}tsParseModifier(e){if(!this.match(o.name))return;const t=this.state.value;return-1!==e.indexOf(t)&&this.tsTryParse(this.tsNextTokenCanFollowModifier.bind(this))?t:void 0}tsParseModifiers(e,t,r,n){const i=(t,r,n,i)=>{r===n&&e[i]&&this.raise(t,pe.InvalidModifiersOrder,n,i)},s=(t,r,n,i)=>{e[n]&&r===i||e[i]&&r===n}&&this.raise(t,pe.IncompatibleModifiers,n,i)};for(;;){const a=this.state.start,o=this.tsParseModifier(t.concat(null!=r?r:[]));if(!o)break;ue(o)?e.accessibility?this.raise(a,pe.DuplicateAccessibilityModifier):(i(a,o,o,\\\\"override\\\\"),i(a,o,o,\\\\"static\\\\"),e.accessibility=o):(Object.hasOwnProperty.call(e,o)?this.raise(a,pe.DuplicateModifier,o):(i(a,o,\\\\"static\\\\"),\\\\"readonly\\\\"),i(a,o,\\\\"static\\\\"),\\\\"override\\\\"),i(a,o,\\\\"override\\\\"),\\\\"readonly\\\\"),i(a,o,\\\\"abstract\\\\"),\\\\"override\\\\"),s(a,o,\\\\"declare\\\\"),\\\\"override\\\\"),s(a,o,\\\\"static\\\\"),\\\\"abstract\\\\"),e[o]=!0,null!=r&&r.includes(o)&&this.raise(a,n,o)}tsIsListTerminator(e){switch(e){case\\\\"EnumMembers\\\\":case\\\\"TypeMembers\\\\":return this.match(o.braceR);case\\\\"HeritageClauseElement\\\\":return this.match(o.braceL);case\\\\"TupleElementTypes\\\\":return this.match(o.bracketR);case\\\\"TypeParametersOrArguments\\\\":return this.isRelational(\\\\">\\\\")}throw new Error(\\\\"Unreachable\\\\")}tsParseList(e,t){const r=[];for(;!this.tsIsListTerminator(e);r.push(t));return r}tsParseDelimitedList(e,t){return le(this.tsParseDelimitedListWorker(e,t,!0))}tsParseDelimitedListWorker(e,t,r){const n=[];for(;!this.tsIsListTerminator(e);){const i=t();if(null==i)return;if(n.push(i),!this.eat(o.comma)){if(this.tsIsListTerminator(e))break;return void(r&&this.expect(o.comma))}}return n}tsParseBracketedList(e,t,r,n){n||(r?this.expect(o.bracketL):this.expectRelational(\\\\"<\\\\"));const i=this.tsParseDelimitedList(e,t);return r?this.expect(o.bracketR):this.expectRelational(\\\\">\\\\"),i}tsParseImportType(){const e=this.startNode();return this.expect(o._import),this.expect(o.parenL),this.match(o.string)||this.raise(this.state.start,pe.UnsupportedImportTypeArgument),e.argument=this.parseExprAtom(),this.expect(o.parenR),this.eat(o.dot)&&(e.qualifier=this.tsParseEntityName(!0)),this.isRelational(\\\\"<\\\\")&&(e.typeParameters=this.tsParseTypeArguments()),this.finishNode(e,\\\\"TSImportType\\\\")}tsParseEntityName(e){let t=this.parseIdentifier();for(;this.eat(o.dot);){const r=this.startNodeAtNode(t);r.left=t,r.right=this.parseIdentifier(e),t=this.finishNode(r,\\\\"TSQualifiedName\\\\")}return t}tsParseTypeReference(){const e=this.startNode();return e.typeName=this.tsParseEntityName(!1),!this.hasPrecedingLineBreak()&&this.isRelational(\\\\"<\\\\")&&(e.typeParameters=this.tsParseTypeArguments()),this.finishNode(e,\\\\"TSTypeReference\\\\")}tsParseThisTypePredicate(e){this.next();const t=this.startNodeAtNode(e);return t.parameterName=e,t.typeAnnotation=this.tsParseTypeAnnotation(!1),t.asserts=!1,this.finishNode(t,\\\\"TSTypePredicate\\\\")}tsParseThisTypeNode(){const e=this.startNode();return this.next(),this.finishNode(e,\\\\"TSThisType\\\\")}tsParseTypeQuery(){const e=this.startNode();return this.expect(o._typeof),this.match(o._import)?e.exprName=this.tsParseImportType():e.exprName=this.tsParseEntityName(!0),this.finishNode(e,\\\\"TSTypeQuery\\\\")}tsParseTypeParameter(){const e=this.startNode();return e.name=this.parseIdentifierName(e.start),e.constraint=this.tsEatThenParseType(o._extends),e.default=this.tsEatThe

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nParseType(o.eq,this.finishNode(e,\\\\"TSTypeParameter\\\\"))}tsTryParseTypeParameters(){if(this.isRelational(\\\\"<\\\\"))return this.tsParseTypeParameters()}tsParseTypeParameters(){const e=this.startNode();return
this.isRelational(\\\\"<\\\\")||this.match(o.jsxTagStart)?this.next():this.unexpected(),e.params=this.tsParseBracketedLis
t(\\\\"TypeParametersOrArguments\\\\",this.tsParseTypeParameter.bind(this),!1,!0),0===e.params.length&&this.raise
(e.start,pe.EmptyTypeParameters),this.finishNode(e,\\\\"TSTypeParameterDeclaration\\\\")}tsTryNextParseConstantC
ontext(){return
this.lookahead().type===o._const?(this.next(),this.tsParseTypeReference():null)}tsFillSignature(e,t){const
r=e===o.arrow;t.typeParameters=this.tsTryParseTypeParameters(),this.expect(o.parenL),t.parameters=this.tsParseBi
ndingListForSignature(),(r||this.match(e))&&(t.typeAnnotation=this.tsParseTypeOrTypePredicateAnnotation(e))}ts
ParseBindingListForSignature(){return
this.parseBindingList(o.parenR,41).map(e=>(\\\\"Identifier\\\\"!===e.type&&\\\\"RestElement\\\\"!===e.type&&\\\\"Objec
tPattern\\\\"!===e.type&&\\\\"ArrayPattern\\\\"!===e.type&&this.raise(e.start,pe.UnsupportedSignatureParameterKind,e.
type),e))}tsParseTypeMemberSemicolon(){this.eat(o.comma)||this.isLineTerminator()||this.expect(o.semi)}tsParseSi
gnatureMember(e,t){return
this.tsFillSignature(o.colon,t),this.tsParseTypeMemberSemicolon(),this.finishNode(t,e)}tsIsUnambiguouslyIndexSi
gnature(){return
this.next(),this.eat(o.name)&&this.match(o.colon)}tsTryParseIndexSignature(e){if(!this.match(o.bracketL)||!this.tsL
ookAhead(this.tsIsUnambiguouslyIndexSignature.bind(this)))return;this.expect(o.bracketL);const
t=this.parseIdentifier();t.typeAnnotation=this.tsParseTypeAnnotation(),this.resetEndLocation(t),this.expect(o.bracke
tR),e.parameters=[t];const r=this.tsTryParseTypeAnnotation();return
r&&(e.typeAnnotation=r),this.tsParseTypeMemberSemicolon(),this.finishNode(e,\\\\"TSIndexSignature\\\\")}tsParse
PropertyOrMethodSignature(e,t){this.eat(o.question)&&(e.optional=!0);const
r=e;if(this.match(o.parenL)||this.isRelational(\\\\"<\\\\")){t&&this.raise(e.start,pe.ReadOnlyForMethodSignature);cons
t
n=r;if(n.kind&&this.isRelational(\\\\"<\\\\"))&&this.raise(this.state.pos,pe.AccessorCannotHaveTypeParameters),this.ts
FillSignature(o.colon,n),this.tsParseTypeMemberSemicolon(),\\\\"get\\\\"===n.kind)n.parameters.length>0&&(this.ra
ise(this.state.pos,T.BadGetterArity),this.isThisParam(n.parameters[0])&&this.raise(this.state.pos,pe.AccessorCannot
DeclareThisParameter));else
if(\\\\"set\\\\"===n.kind){if(1!===n.parameters.length)this.raise(this.state.pos,T.BadSetterArity);else{const
e=n.parameters[0];this.isThisParam(e)&&this.raise(this.state.pos,pe.AccessorCannotDeclareThisParameter),\\\\"Identi
fier\\\\"===e.type&&e.optional&&this.raise(this.state.pos,pe.SetAccesorCannotHaveOptionalParameter),\\\\"RestEle
ment\\\\"===e.type&&this.raise(this.state.pos,pe.SetAccesorCannotHaveRestParameter)}n.typeAnnotation&&this.ra
ise(n.typeAnnotation.start,pe.SetAccesorCannotHaveReturnType)}else n.kind=\\\\"method\\\\";return
this.finishNode(n,\\\\"TSMethodSignature\\\\")}const e=r;t&&(e.readonly=!0);const
n=this.tsTryParseTypeAnnotation();return
n&&(e.typeAnnotation=n),this.tsParseTypeMemberSemicolon(),this.finishNode(e,\\\\"TSPropertySignature\\\\")}tsP
arseTypeMember(){const e=this.startNode();if(this.match(o.parenL)||this.isRelational(\\\\"<\\\\"))return
this.tsParseSignatureMember(\\\\"TSCallSignatureDeclaration\\\\",e);if(this.match(o._new)){const
t=this.startNode();return
this.next(),this.match(o.parenL)||this.isRelational(\\\\"<\\\\")?this.tsParseSignatureMember(\\\\"TSConstructSignatureD
eclaration\\\\",e):(e.key=this.createIdentifier(t,\\\\"new\\\\"),this.tsParsePropertyOrMethodSignature(e,!1))}this.tsParse
Modifiers(e,[\\\\"readonly\\\\"],[\\\\"declare\\\\"],[\\\\"abstract\\\\"],[\\\\"private\\\\"],[\\\\"protected\\\\"],[\\\\"public\\\\"],[\\\\"static\\\\"],[\\\\"
override\\\\"],pe.InvalidModifierOnTypeMember);const t=this.tsTryParseIndexSignature(e);return
t||(this.parsePropertyName(e,!1),e.computed||\\\\"Identifier\\\\"!===e.key.type||\\\\"get\\\\"!===e.key.name&&\\\\"set\\\\"!===
e.key.name||!this.tsTokenCanFollowModifier)|(e.kind=e.key.name,this.parsePropertyName(e,!1)),this.tsParsePrope
rtyOrMethodSignature(e,!e.readonly)}tsParseTypeLiteral(){const e=this.startNode();return
e.members=this.tsParseObjectTypeMembers(),this.finishNode(e,\\\\"TSTypeLiteral\\\\")}tsParseObjectTypeMembers
(){this.expect(o.braceL);const e=this.tsParseList(\\\\"TypeMembers\\\\",this.tsParseTypeMember.bind(this));return

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this.expect(o.braceR),e)tsIsStartOfMappedType(){return
this.next(),this.eat(o.plusMin)?this.isContextual(\\\\"readonly\\\\"):(this.isContextual(\\\\"readonly\\\\"))&&this.next(),!t
his.match(o.bracketL)&&(this.next(),!this.tsIsIdentifier())&&(this.next(),this.match(o._in)))}tsParseMappedTypeP
arameter(){const e=this.startNode();return
e.name=this.parseIdentifierName(e.start),e.constraint=this.tsExpectThenParseType(o._in),this.finishNode(e,\\\\"TST
ypeParameter\\\\"))}tsParseMappedType(){const e=this.startNode();return
this.expect(o.braceL),this.match(o.plusMin)?(e.readonly=this.state.value,this.next(),this.expectContextual(\\\\"readon
ly\\\\")):this.eatContextual(\\\\"readonly\\\\"))&&(e.readonly=!0),this.expect(o.bracketL),e.typeParameter=this.tsParse
MappedTypeParameter(),e.nameType=this.eatContextual(\\\\"as\\\\")?this.tsParseType():null,this.expect(o.bracketR),t
his.match(o.plusMin)?(e.optional=this.state.value,this.next(),this.expect(o.question)):this.eat(o.question)&&(e.optio
nal=!0),e.typeAnnotation=this.tsTryParseType(),this.semicolon(),this.expect(o.braceR),this.finishNode(e,\\\\"TSMa
ppedType\\\\"))}tsParseTupleType(){const
e=this.startNode();e.elementTypes=this.tsParseBracketedList(\\\\"TupleElementTypes\\\\"),this.tsParseTupleElementT
ype.bind(this,!0,!1);let t=!1,r=null;return e.elementTypes.forEach(e=>{var
n;let{type:i}=e;!t||\\\\"TSRestType\\\\"===i||\\\\"TSOptionalType\\\\"===i||\\\\"TSNamedTupleMember\\\\"===i&&e.opti
onal||this.raise(e.start,pe.OptionalTypeBeforeRequired),t=t||\\\\"TSNamedTupleMember\\\\"===i&&e.optional||\\\\"TS
OptionalType\\\\"===i,\\\\"TSRestType\\\\"===i&&(i=(e=e.typeAnnotation).type);const
s=\\\\"TSNamedTupleMember\\\\"===i;r=null!=(n=r)?n:s,r!:=s&&this.raise(e.start,pe.MixedLabeledAndUnlabeledE
lements)}),this.finishNode(e,\\\\"TSTupleType\\\\"))}tsParseTupleElementType(){const{start:e,startLoc:t}=this.state,r
=this.eat(o.ellipsis);let n=this.tsParseType();const i=this.eat(o.question);if(this.eat(o.colon)){const
e=this.startNodeAtNode(n);e.optional=i,\\\\"TSTypeReference\\\\"!==n.type||n.typeParameters||\\\\"Identifier\\\\"!==n.t
ypeName.type?(this.raise(n.start,pe.InvalidTupleMemberLabel),e.label=n):e.label=n.typeName,e.elementType=this.
tsParseType(),n=this.finishNode(e,\\\\"TSNamedTupleMember\\\\"))}else if(i){const
e=this.startNodeAtNode(n);e.typeAnnotation=n,n=this.finishNode(e,\\\\"TSOptionalType\\\\"))}if(r){const
r=this.startNodeAt(e,t);r.typeAnnotation=n,n=this.finishNode(r,\\\\"TSRestType\\\\"))}return
n}tsParseParenthesizedType(){const e=this.startNode();return
this.expect(o.parenL),e.typeAnnotation=this.tsParseType(),this.expect(o.parenR),this.finishNode(e,\\\\"TSParenthesi
zedType\\\\"))}tsParseFunctionOrConstructorType(e,t){const
r=this.startNode();return\\\\"TSConstructorType\\\\"===e&&(r.abstract=!t,t&&this.next(),this.next()),this.tsFillSigna
ture(o.arrow,r),this.finishNode(r,e)}tsParseLiteralTypeNode(){const e=this.startNode();return
e.literal=(()=>>{switch(this.state.type){case o.num:case o.bigint:case o.string:case o._true:case o._false:return
this.parseExprAtom();default:throw
this.unexpected()})(),this.finishNode(e,\\\\"TSLiteralType\\\\"))}tsParseTemplateLiteralType(){const
e=this.startNode();return
e.literal=this.parseTemplate(!1),this.finishNode(e,\\\\"TSLiteralType\\\\"))}parseTemplateSubstitution(){return
this.state.inType?this.tsParseType():super.parseTemplateSubstitution()}tsParseThisTypeOrThisTypePredicate(){con
st e=this.tsParseThisTypeNode();return
this.isContextual(\\\\"is\\\\"))&&!this.hasPrecedingLineBreak()?this.tsParseThisTypePredicate(e):e}tsParseNonArrayT
ype(){switch(this.state.type){case o.name:case o._void:case o._null:{const
e=this.match(o._void)?\\\\"TSVoidKeyword\\\\":this.match(o._null)?\\\\"TSNullKeyword\\\\":function(e){switch(e){ca
se\\\\"any\\\\":return\\\\"TSAnyKeyword\\\\";case\\\\"boolean\\\\":return\\\\"TSBooleanKeyword\\\\";case\\\\"bigint\\\\":retur
n\\\\"TSBigIntKeyword\\\\";case\\\\"never\\\\":return\\\\"TSNeverKeyword\\\\";case\\\\"number\\\\":return\\\\"TSNumberKe
yword\\\\";case\\\\"object\\\\":return\\\\"TSObjectKeyword\\\\";case\\\\"string\\\\":return\\\\"TSStringKeyword\\\\";case\\\\"s
ymbol\\\\":return\\\\"TSSymbolKeyword\\\\";case\\\\"undefined\\\\":return\\\\"TSUndefinedKeyword\\\\";case\\\\"unknown
\\\\":return\\\\"TSUnknownKeyword\\\\";default:return}}(this.state.value);if(void
0!:=e&&46!:=this.lookaheadCharCode()){const t=this.startNode();return this.next(),this.finishNode(t,e)}return
this.tsParseTypeReference()}case o.string:case o.num:case o.bigint:case o._true:case o._false:return
this.tsParseLiteralTypeNode();case o.plusMin:if(\\\\"-\\\\"===this.state.value){const

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e=this.startNode(),t=this.lookahead();if(t.type!=="num"&&t.type!=="bigint")throw this.unexpected();return
e.literal=this.parseMaybeUnary(),this.finishNode(e,\\\\"TSLiteralType\\\\")}break;case o._this:return
this.tsParseThisTypeOrThisTypePredicate();case o._typeof:return this.tsParseTypeQuery();case o._import:return
this.tsParseImportType();case o.braceL:return
this.tsLookAhead(this.tsIsStartOfMappedType.bind(this))?this.tsParseMappedType():this.tsParseTypeLiteral();case
o.bracketL:return this.tsParseTupleType();case o.parenL:return this.tsParseParenthesizedType();case
o.backQuote:return this.tsParseTemplateLiteralType()}throw this.unexpected()}tsParseArrayTypeOrHigher(){let
e=this.tsParseNonArrayType();for(;!this.hasPrecedingLineBreak()&&this.eat(o.bracketL);)if(this.match(o.bracketR)
){const
t=this.startNodeAtNode(e);t.elementType=e,this.expect(o.bracketR),e=this.finishNode(t,\\\\"TSArrayType\\\\")}else{
const
t=this.startNodeAtNode(e);t.objectType=e,t.indexType=this.tsParseType(),this.expect(o.bracketR),e=this.finishNode
(t,\\\\"TSIndexedAccessType\\\\")}return e}tsParseTypeOperator(e){const t=this.startNode();return
this.expectContextual(e),t.operator=e,t.typeAnnotation=this.tsParseTypeOperatorOrHigher(),\\\\"readonly\\\\"===e&
&this.tsCheckTypeAnnotationForReadOnly(t),this.finishNode(t,\\\\"TSTypeOperator\\\\")}tsCheckTypeAnnotationFor
ReadOnly(e){switch(e.typeAnnotation.type){case\\\\"TSTupleType\\\\":case\\\\"TSArrayType\\\\":return;default:this.r
aise(e.start,pe.UnexpectedReadOnly)}tsParseInferType(){const
e=this.startNode();this.expectContextual(\\\\"infer\\\\");const t=this.startNode();return
t.name=this.parseIdentifierName(t.start),e.typeParameter=this.finishNode(t,\\\\"TSTypeParameter\\\\"),this.finishNode
(e,\\\\"TSInferType\\\\")}tsParseTypeOperatorOrHigher(){const
e=[\\\\"keyof\\\\" , \\\\"unique\\\\" , \\\\"readonly\\\\" ].find(e=>this.isContextual(e));return
e?this.tsParseTypeOperator(e):this.isContextual(\\\\"infer\\\\")?this.tsParseInferType():this.tsParseArrayTypeOrHighe
r()}tsParseUnionOrIntersectionType(e,t,r){const
n=this.startNode(),i=this.eat(r),s=[];do{s.push(t)}while(this.eat(r));return
1!==s.length||i?(n.types=s,this.finishNode(n,e):s[0])tsParseIntersectionTypeOrHigher(){return
this.tsParseUnionOrIntersectionType(\\\\"TSIntersectionType\\\\" , this.tsParseTypeOperatorOrHigher.bind(this),o.bitwis
eAND)}tsParseUnionTypeOrHigher(){return
this.tsParseUnionOrIntersectionType(\\\\"TSUnionType\\\\" , this.tsParseIntersectionTypeOrHigher.bind(this),o.bitwis
eOR)}tsIsStartOfFunctionType(){return!this.isRelational(\\\\"<\\\\")||this.match(o.parenL)&&this.tsLookAhead(this.t
sIsUnambiguouslyStartOfFunctionType.bind(this))}tsSkipParameterStart(){if(this.match(o.name)||this.match(o._thi
s))return this.next(),!0;if(this.match(o.braceL)){let
e=1;for(this.next();e>0;)this.match(o.braceL)?++e:this.match(o.braceR)&&--
e,this.next();return!0}if(this.match(o.bracketL)){let
e=1;for(this.next();e>0;)this.match(o.bracketL)?++e:this.match(o.bracketR)&&--
e,this.next();return!0}return!1}tsIsUnambiguouslyStartOfFunctionType(){if(this.next(),this.match(o.parenR)||this.m
atch(o.ellipsis))return!0;if(this.tsSkipParameterStart()){if(this.match(o.colon)||this.match(o.comma)||this.match(o.qu
estion)||this.match(o.eq))return!0;if(this.match(o.parenR)&&(this.next(),this.match(o.arrow)))return!0}return!1}tsPa
rseTypeOrTypePredicateAnnotation(e){return this.tsInType(=>{const t=this.startNode();this.expect(e);const
r=this.startNode(),n=!this.tsTryParse(this.tsParseTypePredicateAsserts.bind(this));if(n&&this.match(o._this)){let
e=this.tsParseThisTypeOrThisTypePredicate();return\\\\"TSThisType\\\\"===e.type?(r.parameterName=e,r.asserts=!0
,e=this.finishNode(r,\\\\"TSTypePredicate\\\\"):(this.resetStartLocationFromNode(e,r),e.asserts=!0),t.typeAnnotation
=e,this.finishNode(t,\\\\"TSTypeAnnotation\\\\"))}const
i=this.tsIsIdentifier()&&this.tsTryParse(this.tsParseTypePredicatePrefix.bind(this));if(!i)return
n?(r.parameterName=this.parseIdentifier(),r.asserts=n,t.typeAnnotation=this.finishNode(r,\\\\"TSTypePredicate\\\\"),t
his.finishNode(t,\\\\"TSTypeAnnotation\\\\")):this.tsParseTypeAnnotation(!1,t);const
s=this.tsParseTypeAnnotation(!1);return
r.parameterName=i,r.typeAnnotation=s,r.asserts=n,t.typeAnnotation=this.finishNode(r,\\\\"TSTypePredicate\\\\"),this.
finishNode(t,\\\\"TSTypeAnnotation\\\\"))}tsTryParseTypeOrTypePredicateAnnotation(){return

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this.match(o.colon)?this.tsParseTypeOrTypePredicateAnnotation(o.colon):void
0}tsTryParseTypeAnnotation(){return this.match(o.colon)?this.tsParseTypeAnnotation():void
0}tsTryParseType(){return this.tsEatThenParseType(o.colon)}tsParseTypePredicatePrefix(){const
e=this.parseIdentifier();if(this.isContextual(\\\\"is\\\\"))&&!this.hasPrecedingLineBreak()return
this.next(),e}tsParseTypePredicateAsserts(){if(!this.match(o.name)\\\\"asserts\\\\"!==this.state.value||this.hasPrecedi
ngLineBreak())return!1;const e=this.state.containsEsc;return
this.next(),!(!this.match(o.name)&&!this.match(o._this))&&(e&&this.raise(this.state.lastTokStart,T.InvalidEscaped
ReservedWord,\\\\"asserts\\\\"),!0)}tsParseTypeAnnotation(e=!0,t=this.startNode()){return
this.tsInType(=>{e&&this.expect(o.colon),t.typeAnnotation=this.tsParseType()}),this.finishNode(t,\\\\"TSTypeAn
notation\\\\")}tsParseType(){ce(this.state.inType);const
e=this.tsParseNonConditionalType();if(this.hasPrecedingLineBreak()||!this.eat(o._extends))return e;const
t=this.startNodeAtNode(e);return
t.checkType=e,t.extendsType=this.tsParseNonConditionalType(),this.expect(o.question),t.trueType=this.tsParseTyp
e(),this.expect(o.colon),t.falseType=this.tsParseType(),this.finishNode(t,\\\\"TSConditionalType\\\\"))isAbstractConst
ructorSignature(){return
this.isContextual(\\\\"abstract\\\\"))&&this.lookahead().type===o._new}tsParseNonConditionalType(){return
this.tsIsStartOfFunctionType()?this.tsParseFunctionOrConstructorType(\\\\"TSFunctionType\\\\"):this.match(o._new)
?this.tsParseFunctionOrConstructorType(\\\\"TSConstructorType\\\\"):this.isAbstractConstructorSignature()?this.tsPa
rseFunctionOrConstructorType(\\\\"TSConstructorType\\\\",!0):this.tsParseUnionTypeOrHigher()}tsParseTypeAssertio
n(){const e=this.startNode(),t=this.tsTryNextParseConstantContext();return
e.typeAnnotation=t||this.tsNextThenParseType(),this.expectRelational(\\\\">\\\\"),e.expression=this.parseMaybeUnary
(),this.finishNode(e,\\\\"TSTypeAssertion\\\\")}tsParseHeritageClause(e){const
t=this.state.start,r=this.tsParseDelimitedList(\\\\"HeritageClauseElement\\\\"),this.tsParseExpressionWithTypeArgume
nts.bind(this));return
r.length||this.raise(t,pe.EmptyHeritageClauseType,e),r}tsParseExpressionWithTypeArguments(){const
e=this.startNode();return
e.expression=this.tsParseEntityName(!1),this.isRelational(\\\\"<\\\\"))&&(e.typeParameters=this.tsParseTypeArgument
s()),this.finishNode(e,\\\\"TSExpressionWithTypeArguments\\\\")}tsParseInterfaceDeclaration(e){e.id=this.parseIdent
ifier(),this.checkLVal(e.id,\\\\"typescript interface
declaration\\\\" ,130),e.typeParameters=this.tsTryParseTypeParameters(),this.eat(o._extends)&&(e.extends=this.tsPar
seHeritageClause(\\\\"extends\\\\"));const t=this.startNode();return
t.body=this.tsInType(this.tsParseObjectTypeMembers.bind(this)),e.body=this.finishNode(t,\\\\"TSInterfaceBody\\\\"),
this.finishNode(e,\\\\"TSInterfaceDeclaration\\\\")}tsParseTypeAliasDeclaration(e){return
e.id=this.parseIdentifier(),this.checkLVal(e.id,\\\\"typescript type
alias\\\\" ,2),e.typeParameters=this.tsTryParseTypeParameters(),e.typeAnnotation=this.tsInType(=>{if(this.expect(o
.eq),this.isContextual(\\\\"intrinsic\\\\"))&&this.lookahead().type!==o.dot){const e=this.startNode();return
this.next(),this.finishNode(e,\\\\"TSIntrinsicKeyword\\\\")}return
this.tsParseType()}),this.semicolon(),this.finishNode(e,\\\\"TSTypeAliasDeclaration\\\\")}tsInNoContext(e){const
t=this.state.context;this.state.context=[t[0]];try{return e()}finally{this.state.context=t}}tsInType(e){const
t=this.state.inType;this.state.inType=!0;try{return e()}finally{this.state.inType=t}}tsEatThenParseType(e){return
this.match(e)?this.tsNextThenParseType():void 0}tsExpectThenParseType(e){return
this.tsDoThenParseType(=>this.expect(e))}tsNextThenParseType(){return
this.tsDoThenParseType(=>this.next())}tsDoThenParseType(e){return
this.tsInType(=>(e(),this.tsParseType()))}tsParseEnumMember(){const e=this.startNode();return
e.id=this.match(o.string)?this.parseExprAtom():this.parseIdentifier(!0),this.eat(o.eq)&&(e.initializer=this.parseMay
beAssignAllowIn()),this.finishNode(e,\\\\"TSEnumMember\\\\")}tsParseEnumDeclaration(e,t){return
t&&(e.const=!0),e.id=this.parseIdentifier(),this.checkLVal(e.id,\\\\"typescript enum
declaration\\\\" ,t?779:267),this.expect(o.braceL),e.members=this.tsParseDelimitedList(\\\\"EnumMembers\\\\"),this.tsP

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arseEnumMember.bind(this)),this.expect(o.braceR),this.finishNode(e,\\\\"TSEnumDeclaration\\\\"))}tsParseModuleBl
ock(){const e=this.startNode();return
this.scope.enter(0),this.expect(o.braceL),this.parseBlockOrModuleBlockBody(e.body=[],void
0,!0,o.braceR),this.scope.exit(),this.finishNode(e,\\\\"TSMODULEBLOCK\\\\"))}tsParseModuleOrNamespaceDeclaration(
e,t=!1){if(e.id=this.parseIdentifier(),t||this.checkLVal(e.id,\\\\"module or namespace
declaration\\\\" ,1024),this.eat(o.dot)){const
t=this.startNode();this.tsParseModuleOrNamespaceDeclaration(t,!0),e.body=t}else
this.scope.enter(256),this.prodParam.enter(0),e.body=this.tsParseModuleBlock(),this.prodParam.exit(),this.scope.exi
t();return this.finishNode(e,\\\\"TSMODULEDECLARATION\\\\"))}tsParseAmbientExternalModuleDeclaration(e){return
this.isContextual(\\\\"global\\\\")?(e.global=!0,e.id=this.parseIdentifier()):this.match(o.string)?e.id=this.parseExprAtom():this.unexpected(),this.match(o.braceL)?(this.scope.enter(256),this.prodParam.enter(0),e.body=this.tsParseModu
leBlock(),this.prodParam.exit(),this.scope.exit()):this.semicolon(),this.finishNode(e,\\\\"TSMODULEDECLARATION\\\\"))}ts
ParseImportEqualsDeclaration(e,t){e.isExport=t?!1,e.id=this.parseIdentifier(),this.checkLVal(e.id,\\\\"import equals
declaration\\\\" ,9),this.expect(o.eq);const
r=this.tsParseModuleReference();return\\\\"type\\\\"===e.importKind&&\\\\"TSEXTERNALMODULEREFERENCE\\\\"!==(r.type
&&this.raise(r.start,pe.ImportAliasHasImportType),e.moduleReference=r,this.semicolon(),this.finishNode(e,\\\\"TSI
mportEqualsDeclaration\\\\"))}tsIsExternalModuleReference(){return
this.isContextual(\\\\"require\\\\")&&40===this.lookaheadCharCode()}tsParseModuleReference(){return
this.tsIsExternalModuleReference()?this.tsParseExternalModuleReference():this.tsParseEntityName(!1)}tsParseExte
rnalModuleReference(){const
e=this.startNode();if(this.expectContextual(\\\\"require\\\\"),this.expect(o.parenL,!this.match(o.string))throw
this.unexpected();return
e.expression=this.parseExprAtom(),this.expect(o.parenR),this.finishNode(e,\\\\"TSEXTERNALMODULEREFERENCE\\\\"))}tsL
ookAhead(e){const t=this.state.clone(),r=e();return this.state=t,r}tsTryParseAndCatch(e){const
t=this.tryParse(t=>e)||t();if(!t.aborted&&t.node)return t.error&&(this.state=t.failState),t.node}tsTryParse(e){const
t=this.state.clone(),r=e();return void
0!==(r&&!1!==(r?:void(this.state=t))}tsTryParseDeclare(e){if(this.isLineTerminator())return;let
t,r=this.state.type;return
this.isContextual(\\\\"let\\\\")&&(r=o._var,t=\\\\"let\\\\"),this.tsInAmbientContext(=>{switch(r){case
o._function:return e.declare=!0,this.parseFunctionStatement(e,!1,!0);case o._class:return
e.declare=!0,this.parseClass(e,!0,!1);case
o._const;if(this.match(o._const)&&this.isLookaheadContextual(\\\\"enum\\\\"))return
this.expect(o._const),this.expectContextual(\\\\"enum\\\\"),this.tsParseEnumDeclaration(e,!0);case o._var:return
t=t||this.state.value,this.parseVarStatement(e,t);case o.name:{const
t=this.state.value;return\\\\"global\\\\"===t?this.tsParseAmbientExternalModuleDeclaration(e):this.tsParseDeclaration
(e,t,!0)}})}tsTryParseExportDeclaration(){return
this.tsParseDeclaration(this.startNode(),this.state.value,!0)}tsParseExpressionStatement(e,t){switch(t.name){case\\\\"
declare\\\\":{const t=this.tsTryParseDeclare(e);if(t)return
t.declare=!0,t;break}case\\\\"global\\\\":if(this.match(o.braceL)){this.scope.enter(256),this.prodParam.enter(0);const
r=e;return
r.global=!0,r.id=t,r.body=this.tsParseModuleBlock(),this.scope.exit(),this.prodParam.exit(),this.finishNode(r,\\\\"TS
MODULEDECLARATION\\\\"))}break;default:return
this.tsParseDeclaration(e,t.name,!1)}tsParseDeclaration(e,t,r){switch(t){case\\\\"abstract\\\\":if(this.tsCheckLineTer
minator(r)&&(this.match(o._class)||this.match(o.name)))return
this.tsParseAbstractDeclaration(e);break;case\\\\"enum\\\\":if(r||this.match(o.name))return
r&&this.next(),this.tsParseEnumDeclaration(e,!1);break;case\\\\"interface\\\\":if(this.tsCheckLineTerminator(r)&&thi
s.match(o.name))return
this.tsParseInterfaceDeclaration(e);break;case\\\\"module\\\\":if(this.tsCheckLineTerminator(r)){if(this.match(o.string

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))return this.tsParseAmbientExternalModuleDeclaration(e);if(this.match(o.name))return
this.tsParseModuleOrNamespaceDeclaration(e)}break;case\\\\"namespace\\\\"":if(this.tsCheckLineTerminator(r)&&this
s.match(o.name))return
this.tsParseModuleOrNamespaceDeclaration(e);break;case\\\\"type\\\\"":if(this.tsCheckLineTerminator(r)&&this.matc
h(o.name))return this.tsParseTypeAliasDeclaration(e)}tsCheckLineTerminator(e){return
e?!this.hasFollowingLineBreak()&&(this.next(),!0):!this.isLineTerminator()}tsTryParseGenericAsyncArrowFunction
n(e,t){if(!this.isRelational(\\\\"<\\\\"))return;const
r=this.state.maybeInArrowParameters;this.state.maybeInArrowParameters=!0;const
n=this.tsTryParseAndCatch(=>{const r=this.startNodeAt(e,t);return
r.typeParameters=this.tsParseTypeParameters(),super.parseFunctionParams(r),r.returnType=this.tsTryParseTypeOr
TypePredicateAnnotation(),this.expect(o.arrow,r)});return
this.state.maybeInArrowParameters=r,n?this.parseArrowExpression(n,null,!0):void
0}tsParseTypeArguments(){const e=this.startNode();return
e.params=this.tsInType(=>this.tsInNoContext(=>(this.expectRelational(\\\\"<\\\\"),this.tsParseDelimitedList(\\\\"Ty
peParametersOrArguments\\\\"),this.tsParseType.bind(this))))),0===e.params.length&&this.raise(e.start,pe.EmptyTy
peArguments),this.state.exprAllowed=!1,this.expectRelational(\\\\">\\\\"),this.finishNode(e,\\\\"TSTypeParameterInsta
ntiation\\\\"))}tsIsDeclarationStart(){if(this.match(o.name))switch(this.state.value){case\\\\"abstract\\\\"":case\\\\"declare\\
\\":case\\\\"enum\\\\"":case\\\\"interface\\\\"":case\\\\"module\\\\"":case\\\\"namespace\\\\"":case\\\\"type\\\\"":return!0}return!1}is
ExportDefaultSpecifier(){return!this.tsIsDeclarationStart()&&super.isExportDefaultSpecifier()}parseAssignableList
Item(e,t){const r=this.state.start,n=this.state.startLoc;let i,s=!1;void
0!==e&&(i=this.parseAccessModifier(),s=!this.tsParseModifier([\\\\"readonly\\\\"]),!1===e&&(i||s)&&this.raise(r,pe
.UnexpectedParameterModifier));const a=this.parseMaybeDefault();this.parseAssignableListItemTypes(a);const
o=this.parseMaybeDefault(a.start,a.loc.start,a);if(i||s){const e=this.startNodeAt(r,n);return
t.length&&(e.decorators=t),i&&(e.accessibility=i),s&&(e.readonly=s),\\\\"Identifier\\\\"!===o.type&&\\\\"AssignmentP
attern\\\\"!===o.type&&this.raise(e.start,pe.UnsupportedParameterPropertyKind),e.parameter=o,this.finishNode(e,\\\\"
TSPParameterProperty\\\\"))return
t.length&&(a.decorators=t),o}parseFunctionBodyAndFinish(e,t,r=!1){this.match(o.colon)&&(e.returnType=this.tsP
arseTypeOrTypePredicateAnnotation(o.colon));const
n=\\\\"FunctionDeclaration\\\\"===t?\\\\"TSDeclareFunction\\\\":\\\\"ClassMethod\\\\"===t?\\\\"TSDeclareMethod\\\\":voi
d
0;n&&!this.match(o.braceL)&&this.isLineTerminator()?this.finishNode(e,n):\\\\"TSDeclareFunction\\\\"===n&&this
.state.isAmbientContext&&(this.raise(e.start,pe.DeclareFunctionHasImplementation),e.declare)?super.parseFunction
BodyAndFinish(e,n,r):super.parseFunctionBodyAndFinish(e,t,r)}registerFunctionStatementId(e){!e.body&&e.id?t
his.checkLVal(e.id,\\\\"function
name\\\\".1024):super.registerFunctionStatementId(...arguments)}tsCheckForInvalidTypeCasts(e){e.forEach(e=>{\\\\"
TSTypeCastExpression\\\\"===e?(null===e?void
0:e.type)&&this.raise(e.typeAnnotation.start,pe.UnexpectedTypeAnnotation)}})toReferencedList(e,t){return
this.tsCheckForInvalidTypeCasts(e,e)}parseArrayLike(...e){const
t=super.parseArrayLike(...e);return\\\\"ArrayExpression\\\\"===t.type&&this.tsCheckForInvalidTypeCasts(t.elements
),t}parseSubscript(e,t,r,n,i){if(!this.hasPrecedingLineBreak()&&this.match(o.bang)){this.state.exprAllowed=!1,this
.next();const n=this.startNodeAt(t,r);return
n.expression=e,this.finishNode(n,\\\\"TSNonNullExpression\\\\"))if(this.isRelational(\\\\"<\\\\"))){const
s=this.tsTryParseAndCatch(=>{if(!n&&this.atPossibleAsyncArrow(e)){const
e=this.tsTryParseGenericAsyncArrowFunction(t,r);if(e)return e}const s=this.startNodeAt(t,r);s.callee=e;const
a=this.tsParseTypeArguments();if(a){if(!n&&this.eat(o.parenL))return
s.arguments=this.parseCallExpressionArguments(o.parenR,!1),this.tsCheckForInvalidTypeCasts(s.arguments),s.typ
eParameters=a,i.optionalChainMember&&(s.optional=!1),this.finishCallExpression(s,i.optionalChainMember);if(thi
s.s.match(o.backQuote)){const n=this.parseTaggedTemplateExpression(e,t,r,i);return

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n.typeParameters=a,n } }this.unexpected());if(s)return s }return
super.parseSubscript(e,t,r,n,i) }parseNewArguments(e){ if(this.isRelational("\\<")){ const
t=this.tsTryParseAndCatch(=>{ const e=this.tsParseTypeArguments();return
this.match(o.parenL)||this.unexpected(),e);t&&(e.typeParameters=t) }super.parseNewArguments(e) }parseExprOp(e
,t,r,n){ if(!e(o._in.binop)>n&&this.hasPrecedingLineBreak()&&this.isContextual("\\as")){ const
i=this.startNodeAt(t,r);i.expression=e;const s=this.tsTryNextParseConstantContext();return
i.typeAnnotation=s||this.tsNextThenParseType(),this.finishNode(i,\\TSAsExpression\\),this.reScan_Lt_gt(),this.pa
rseExprOp(i,t,r,n) }return
super.parseExprOp(e,t,r,n) }checkReservedWord(e,t,r,n) }checkDuplicateExports() }parseImport(e){ if(e.importKin
d=\\value\\,this.match(o.name)||this.match(o.star)||this.match(o.braceL)) { let
t=this.lookahead();if(!this.isContextual("\\type\\)||t.type===o.comma||t.type===o.name&&\\from\\===t.value||
t.type===o.eq||(e.importKind=\\type\\,this.next(),t=this.lookahead()),this.match(o.name)&&t.type===o.eq)return
this.tsParseImportEqualsDeclaration(e) }const
t=super.parseImport(e);return\\type\\===t.importKind&&t.specifiers.length>1&&\\ImportDefaultSpecifier\\=
==t.specifiers[0].type&&this.raise(t.start,pe.TypeImportCannotSpecifyDefaultAndNamed),t }parseExport(e){ if(this.
match(o._import))return
this.next(),this.isContextual("\\type\\)&&61!==(this.lookaheadCharCode()?(e.importKind=\\type\\,this.next()):e
.importKind=\\value\\,this.tsParseImportEqualsDeclaration(e,!0);if(this.eat(o.eq)){ const t=e;return
t.expression=this.parseExpression(),this.semicolon(),this.finishNode(t,\\TSExportAssignment\\)}if(this.eatConte
xtual("\\as")){ const t=e;return
this.expectContextual("\\namespace\\),t.id=this.parseIdentifier(),this.semicolon(),this.finishNode(t,\\TSNamespa
ceExportDeclaration\\)}return
this.isContextual("\\type\\)&&this.lookahead().type===o.braceL?(this.next(),e.exportKind=\\type\\):e.exportK
ind=\\value\\,super.parseExport(e) }isAbstractClass() { return
this.isContextual("\\abstract\\)&&this.lookahead().type===o._class }parseExportDefaultExpression(){ if(this.isAbs
tractClass()){ const e=this.startNode();return
this.next(),e.abstract=!0,this.parseClass(e,!0,!0),e }if(\\interface\\===this.state.value){ const
e=this.tsParseDeclaration(this.startNode(),this.state.value,!0);if(e)return e }return
super.parseExportDefaultExpression() }parseStatementContent(e,t){ if(this.state.type===o._const){ const
e=this.lookahead();if(e.type===o.name&&\\enum\\===e.value){ const e=this.startNode();return
this.expect(o._const),this.expectContextual("\\enum\\),this.tsParseEnumDeclaration(e,!0) } }return
super.parseStatementContent(e,t) }parseAccessModifier() { return
this.tsParseModifier([\\public\\,\\protected\\,\\private\\]) }tsHasSomeModifiers(e,t) { return
t.some(t=>ue(t)?e.accessibility===t:!!e[t]) }parseClassMember(e,t,r) { const
n=[\\declare\\,\\private\\,\\public\\,\\protected\\,\\override\\,\\abstract\\,\\readonly\\];this.tsPar
seModifiers(t,n.concat([\\static\\]));const i=()=>{ const
i=!t.static;i&&this.eat(o.braceL)?(this.tsHasSomeModifiers(t,n)&&this.raise(this.state.pos,pe.StaticBlockCannotHa
veModifier),this.parseClassStaticBlock(e,t)):this.parseClassMemberWithIsStatic(e,t,r,i);t.declare?this.tsInAmbient
Context(i):i) }parseClassMemberWithIsStatic(e,t,r,n) { const i=this.tsTryParseIndexSignature(t);if(i)return
e.body.push(i),t.abstract&&this.raise(t.start,pe.IndexSignatureHasAbstract),t.accessibility&&this.raise(t.start,pe.Ind
exSignatureHasAccessibility,t.accessibility),t.declare&&this.raise(t.start,pe.IndexSignatureHasDeclare),void(t.ove
rride&&this.raise(t.start,pe.IndexSignatureHasOverride));!this.state.inAbstractClass&&t.abstract&&this.raise(t.start,p
e.NonAbstractClassHasAbstractMethod),t.override&&(r.hadSuperClass||this.raise(t.start,pe.OverrideNotInSubClass
)),super.parseClassMemberWithIsStatic(e,t,r,n) }parsePostMemberNameModifiers(e) { this.eat(o.question)&&(e.opti
onal=!0),e.readonly&&this.match(o.parenL)&&this.raise(e.start,pe.ClassMethodHasReadonly),e.declare&&this.mat
ch(o.parenL)&&this.raise(e.start,pe.ClassMethodHasDeclare) }parseExpressionStatement(e,t) { return(\\Identifier\\
===t.type?this.tsParseExpressionStatement(e,t):void
0)||super.parseExpressionStatement(e,t) }shouldParseExportDeclaration() { return!this.tsIsDeclarationStart()||super.sh

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ouldParseExportDeclaration() }parseConditional(e,t,r,n){ if(!n||!this.match(o.question))return
super.parseConditional(e,t,r,n);const i=this.tryParse(=>super.parseConditional(e,t,r));return
i.node?(i.error&&(this.state=i.failState),i.node):(n.start=i.error.pos||this.state.start,e) }parseParenItem(e,t,r){ if(e=super
.parseParenItem(e,t,r),this.eat(o.question)&&(e.optional=!0,this.resetEndLocation(e)),this.match(o.colon)){ const
n=this.startNodeAt(t,r);return
n.expression=e,n.typeAnnotation=this.tsParseTypeAnnotation(),this.finishNode(n,\\\\"TSTypeCastExpression\\\\"))}re
turn e }parseExportDeclaration(e){ const
t=this.state.start,r=this.state.startLoc,n=this.eatContextual(\\\\"declare\\\\"");if(n&&(this.isContextual(\\\\"declare\\\\""))!t
his.shouldParseExportDeclaration())throw this.raise(this.state.start,pe.ExpectedAmbientAfterExportDeclare);let
i;return
this.match(o.name)&&(i=this.tsTryParseExportDeclaration()),i||(i=super.parseExportDeclaration(e)),i&&(\\\\"TSInte
rfaceDeclaration\\\\"===i.type||\\\\"TSTypeAliasDeclaration\\\\"===i.type||n)&&(e.exportKind=\\\\"type\\\\"),i&&n&&(
this.resetStartLocation(i,t,r),i.declare=!0,i) }parseClassId(e,t,r){ if(!t||r)&&this.isContextual(\\\\"implements\\\\"))retur
n;super.parseClassId(e,t,r,e.declare?1024:139);const
n=this.tsTryParseTypeParameters();n&&(e.typeParameters=n) }parseClassPropertyAnnotation(e){ !e.optional&&this
.eat(o.bang)&&(e.definite=!0);const
t=this.tsTryParseTypeAnnotation();t&&(e.typeAnnotation=t) }parseClassProperty(e){ return
this.parseClassPropertyAnnotation(e),this.state.isAmbientContext&&this.match(o.eq)&&this.raise(this.state.start,pe
.DeclareClassFieldHasInitializer),super.parseClassProperty(e) }parseClassPrivateProperty(e){ return
e.abstract&&this.raise(e.start,pe.PrivateElementHasAbstract),e.accessibility&&this.raise(e.start,pe.PrivateElementH
asAccessibility,e.accessibility),this.parseClassPropertyAnnotation(e),super.parseClassPrivateProperty(e) }pushClass
Method(e,t,r,n,i,s){ const
a=this.tsTryParseTypeParameters();a&&i&&this.raise(a.start,pe.ConstructorHasTypeParameters),!t.declare||\\\\"get\\
\\\\"!==t.kind&&\\\\"set\\\\"!==t.kind||this.raise(t.start,pe.DeclareAccessor,t.kind),a&&(t.typeParameters=a),super.push
ClassMethod(e,t,r,n,i,s) }pushClassPrivateMethod(e,t,r,n){ const
i=this.tsTryParseTypeParameters();i&&(t.typeParameters=i),super.pushClassPrivateMethod(e,t,r,n) }parseClassSupe
r(e){ super.parseClassSuper(e),e.superClass&&this.isRelational(\\\\"<\\\\"))&&(e.superTypeParameters=this.tsParseTy
peArguments(),this.eatContextual(\\\\"implements\\\\"))&&(e.implements=this.tsParseHeritageClause(\\\\"implements\\
\\\\")) }parseObjPropValue(e,...t){ const
r=this.tsTryParseTypeParameters();r&&(e.typeParameters=r),super.parseObjPropValue(e,...t) }parseFunctionParams
(e,t){ const
r=this.tsTryParseTypeParameters();r&&(e.typeParameters=r),super.parseFunctionParams(e,t) }parseVarId(e,t){ super
.parseVarId(e,t),\\\\"Identifier\\\\"===e.id.type&&this.eat(o.bang)&&(e.definite=!0);const
r=this.tsTryParseTypeAnnotation();r&&(e.id.typeAnnotation=r,this.resetEndLocation(e.id)) }parseAsyncArrowFrom
CallExpression(e,t){ return
this.match(o.colon)&&(e.returnType=this.tsParseTypeAnnotation()),super.parseAsyncArrowFromCallExpression(e,
t) }parseMaybeAssign(...e){ var t,r,n,i,s,a,l;let
c,p,u,d;if(this.hasPlugin(\\\\"jsx\\\\"))&&(this.match(o.jsxTagStart)||this.isRelational(\\\\"<\\\\"))){ if(c=this.state.clone(),
p=this.tryParse(=>super.parseMaybeAssign(...e),c),!p.error)return p.node;const { context:t }=this.state;t[t.length-
1]=x.j_oTag?t.length-2:t[t.length-1]=x.j_expr&&(t.length-
=1) }if(!null!=(t=p)&&t.error||this.isRelational(\\\\"<\\\\"))return
super.parseMaybeAssign(...e);c=c||this.state.clone();const h=this.tryParse(t=>{ var
r,n;d=this.tsParseTypeParameters();const
i=super.parseMaybeAssign(...e);return(\\\\"ArrowFunctionExpression\\\\"===i.type||null!=(r=i.extra)&&r.parenthesize
d)&&t(),0==(null==(n=d)?void
0:n.params.length)&&this.resetStartLocationFromNode(i,d),i.typeParameters=d,i,c);if(!h.error&&!h.aborted)return
h.node;if(!p&&(ce(!this.hasPlugin(\\\\"jsx\\\\"))),u=this.tryParse(=>super.parseMaybeAssign(...e),c),!u.error))return
u.node;if(null!=(r=p)&&r.node)return this.state=p.failState,p.node;if(h.node)return

```

```

this.state=h.failState,h.node;if(null!=(n=u)&& n.node)return
this.state=u.failState,u.node;if(null!=(i=p)&&i.thrown)throw p.error;if(h.thrown)throw
h.error;if(null!=(s=u)&&s.thrown)throw u.error;throw(null==(a=p)?void 0:a.error)||h.error||(null==(l=u)?void
0:l.error)}parseMaybeUnary(e){return!this.hasPlugin(\\\\"jsx\\\\\\")&&this.isRelational(\\\\"<\\\\\\")?this.tsParseTypeAsser
tion():super.parseMaybeUnary(e)}parseArrow(e){if(this.match(o.colon)){const t=this.tryParse(e=>{const
t=this.tsParseTypeOrTypePredicateAnnotation(o.colon);return!this.canInsertSemicolon()&&this.match(o.arrow)||e()
,t});if(t.aborted)return;t.thrown||(t.error&&(this.state=t.failState),e.returnType=t.node)}return
super.parseArrow(e)}parseAssignableListItemTypes(e){this.eat(o.question)&&(\\\\"Identifier\\\\\\"===e.type||this.state.
isAmbientContext||this.state.inType||this.raise(e.start,pe.PatternIsOptional),e.optional=!0);const
t=this.tsTryParseTypeAnnotation();return
t&&(e.typeAnnotation=t),this.resetEndLocation(e,e)}toAssignable(e,t=!1){switch(e.type){case\\\\"TSTypeCastExpr
ession\\\\\\":return super.toAssignable(this.typeCastToParameter(e,t);case\\\\"TSParameterProperty\\\\\\":return
super.toAssignable(e,t);case\\\\"ParenthesizedExpression\\\\\\":return
this.toAssignableParenthesizedExpression(e,t);case\\\\"TSAsExpression\\\\\\":case\\\\"TSNonNullExpression\\\\\\":case\\\\"
TSTypeAssertion\\\\\\":return e.expression=this.toAssignable(e.expression,t),e;default:return
super.toAssignable(e,t)}toAssignableParenthesizedExpression(e,t){switch(e.expression.type){case\\\\"TSAsExpress
ion\\\\\\":case\\\\"TSNonNullExpression\\\\\\":case\\\\"TSTypeAssertion\\\\\\":case\\\\"ParenthesizedExpression\\\\\\":return
e.expression=this.toAssignable(e.expression,t),e;default:return super.toAssignable(e,t)}checkLVal(e,t,...r){var
n;switch(e.type){case\\\\"TSTypeCastExpression\\\\\\":return;case\\\\"TSParameterProperty\\\\\\":return void
this.checkLVal(e.parameter,\\\\"parameter
property\\\\\\",...r);case\\\\"TSAsExpression\\\\\\":case\\\\"TSTypeAssertion\\\\\\":if(!(r[0]||\\\\"parenthesized
expression\\\\\\"===t||null!=(n=e.extra)&&n.parenthesized)){this.raise(e.start,T.InvalidLhs,t);break}return void
this.checkLVal(e.expression,\\\\"parenthesized expression\\\\\\",...r);case\\\\"TSNonNullExpression\\\\\\":return void
this.checkLVal(e.expression,t,...r);default:return void
super.checkLVal(e,t,...r)}parseBindingAtom(){switch(this.state.type){case o._this:return
this.parseIdentifier(!0);default:return
super.parseBindingAtom()}parseMaybeDecoratorArguments(e){if(this.isRelational(\\\\"<\\\\\\")){const
t=this.tsParseTypeArguments();if(this.match(o.parenL)){const r=super.parseMaybeDecoratorArguments(e);return
r.typeParameters=t,r}this.unexpected(this.state.start,o.parenL)}return
super.parseMaybeDecoratorArguments(e)}checkCommaAfterRest(e){this.state.isAmbientContext&&this.match(o.c
omma)&&this.lookaheadCharCode()===e?this.next():super.checkCommaAfterRest(e)}isClassMethod(){return
this.isRelational(\\\\"<\\\\\\")||super.isClassMethod()}isClassProperty(){return
this.match(o.bang)||this.match(o.colon)||super.isClassProperty()}parseMaybeDefault(...e){const
t=super.parseMaybeDefault(...e);return\\\\"AssignmentPattern\\\\\\"===t.type&&t.typeAnnotation&&t.right.start<t.type
Annotation.start&&this.raise(t.typeAnnotation.start,pe.TypeAnnotationAfterAssign),t}getTokenFromCode(e){retur
n!this.state.inType||62!==e&&60!==e?super.getTokenFromCode(e):this.finishOp(o.relational,1)}reScan_lt_gt(){if(t
his.match(o.relational)){const e=this.input.charCodeAtAt(this.state.start);60!==e&&62!==e||(this.state.pos-
=1,this.readToken_lt_gt(e))}toAssignableList(e){for(let t=0;t<e.length;t++){const
r=e[t];if(r)switch(r.type){case\\\\"TSTypeCastExpression\\\\\\":e[t]=this.typeCastToParameter(r);break;case\\\\"TSAsEx
pression\\\\\\":case\\\\"TSTypeAssertion\\\\\\":this.state.maybeInArrowParameters?this.raise(r.start,pe.UnexpectedTypeCa
stInParameter):e[t]=this.typeCastToParameter(r)}return
super.toAssignableList(...arguments)}typeCastToParameter(e){return
e.expression.typeAnnotation=e.typeAnnotation,this.resetEndLocation(e.expression,e.typeAnnotation.end,e.typeAnn
otation.loc.end),e.expression}shouldParseArrow(){return
this.match(o.colon)||super.shouldParseArrow()}shouldParseAsyncArrow(){return
this.match(o.colon)||super.shouldParseAsyncArrow()}canHaveLeadingDecorator(){return
super.canHaveLeadingDecorator()}isAbstractClass(){jsxParseOpeningElementAfterName(e){if(this.isRelational(\\\\"<\\\\\\")){const t=this.tsTryParseAndCatch(=>this.tsParseTypeArguments());t&&(e.typeParameters=t)}return

```

```

super.jsxParseOpeningElementAfterName(e)}getGetterSetterExpectedParamCount(e){const
t=super.getGetterSetterExpectedParamCount(e),r=this.getObjectOrClassMethodParams(e)[0];return
r&&this.isThisParam(r)?t+1:t}parseCatchClauseParam(){const
e=super.parseCatchClauseParam(),t=this.tsTryParseTypeAnnotation();return
t&&(e.typeAnnotation=t,this.resetEndLocation(e)),e}tsInAmbientContext(e){const
t=this.state.isAmbientContext;this.state.isAmbientContext=!0;try{return
e()}finally{this.state.isAmbientContext=t}}parseClass(e,...t){const
r=this.state.inAbstractClass;this.state.inAbstractClass=!e.abstract;try{return
super.parseClass(e,...t)}finally{this.state.inAbstractClass=r}}tsParseAbstractDeclaration(e){if(this.match(o._class))r
eturn
e.abstract=!0,this.parseClass(e,!0,!1);if(this.isContextual(\\\\"interface\\"))){if(!this.hasFollowingLineBreak())return
e.abstract=!0,this.raise(e.start,pe.NonClassMethodPropertyHasAbstractModifier),this.next(),this.tsParseInterfaceDecl
aration(e)}else this.unexpected(null,o._class)}parseMethod(...e){const
t=super.parseMethod(...e);if(t.abstract){if(this.hasPlugin(\\\\"estree\\"))?!t.value.body:!t.body){const{key:e}=t;this.
raise(t.start,pe.AbstractMethodHasImplementation,\\\\"Identifier\\"===e.type?e.name:`[${this.input.slice(e.start,e.en
d)}]`)}return
t}shouldParseAsAmbientContext(){return!!this.getPluginOption(\\\\"typescript\\"|\\\\"dts\\"))}parse(){return
this.shouldParseAsAmbientContext()&&(this.state.isAmbientContext=!0),super.parse()}getExpression(){return
this.shouldParseAsAmbientContext()&&(this.state.isAmbientContext=!0),super.getExpression()}}v8intrinsic:e=>cl
ass extends e{parseV8Intrinsic(){if(this.match(o.modulo)){const
e=this.state.start,t=this.startNode();if(this.eat(o.modulo),this.match(o.name)){const
e=this.parseIdentifierName(this.state.start),r=this.createIdentifier(t,e);if(r.type=\\\\"V8IntrinsicIdentifier\\"),this.matc
h(o.parenL))return r}this.unexpected(e)}}parseExprAtom(){return
this.parseV8Intrinsic()||super.parseExprAtom(...arguments)}}placeholders:e=>class extends
e{parsePlaceholder(e){if(this.match(o.placeholder)){const t=this.startNode();return
this.next(),this.assertNoSpace(\\\\"Unexpected space in
placeholder.\\\\"),t.name=super.parseIdentifier(!0),this.assertNoSpace(\\\\"Unexpected space in
placeholder.\\\\"),this.expect(o.placeholder),this.finishPlaceholder(t,e)}}finishPlaceholder(e,t){const
r=!(e.expectedNode||\\\\"Placeholder\\"!==e.type);return
e.expectedNode=t,r?e:this.finishNode(e,\\\\"Placeholder\\"))}getTokenFromCode(e){return
37===e&&37===this.input.charCodeAtAt(this.state.pos+1)?this.finishOp(o.placeholder,2):super.getTokenFromCode(
...arguments)}parseExprAtom(){return
this.parsePlaceholder(\\\\"Expression\\"))||super.parseExprAtom(...arguments)}parseIdentifier(){return
this.parsePlaceholder(\\\\"Identifier\\"))||super.parseIdentifier(...arguments)}checkReservedWord(e){void
0!==e&&super.checkReservedWord(...arguments)}parseBindingAtom(){return
this.parsePlaceholder(\\\\"Pattern\\"))||super.parseBindingAtom(...arguments)}checkLVal(e){\\\\"Placeholder\\"!==e.t
ype&&super.checkLVal(...arguments)}toAssignable(e){return
e&&\\\\"Placeholder\\"===e.type&&\\\\"Expression\\"===e.expectedNode?(e.expectedNode=\\\\"Pattern\\"),e):super.
toAssignable(...arguments)}isLet(e){if(super.isLet(e))return!0;if(!this.isContextual(\\\\"let\\"))return!1;if(e)return!1;r
eturn
this.lookahead().type===o.placeholder}verifyBreakContinue(e){e.label&&\\\\"Placeholder\\"===e.label.type||super.
verifyBreakContinue(...arguments)}parseExpressionStatement(e,t){if(\\\\"Placeholder\\"!==t.type|t.extra&&t.extra.p
arenthesized)return super.parseExpressionStatement(...arguments);if(this.match(o.colon)){const r=e;return
r.label=this.finishPlaceholder(t,\\\\"Identifier\\"),this.next(),r.body=this.parseStatement(\\\\"label\\"),this.finishNode(
r,\\\\"LabeledStatement\\"))}return
this.semicolon(),e.name=t.name,this.finishPlaceholder(e,\\\\"Statement\\"))}parseBlock(){return
this.parsePlaceholder(\\\\"BlockStatement\\"))||super.parseBlock(...arguments)}parseFunctionId(){return
this.parsePlaceholder(\\\\"Identifier\\"))||super.parseFunctionId(...arguments)}parseClass(e,t,r){const

```

```

n=t?\\\\"ClassDeclaration\\\\":\\\\"ClassExpression\\\\";this.next(),this.takeDecorators(e);const
i=this.state.strict,s=this.parsePlaceholder(\\\\"Identifier\\\\"");if(s)if(this.match(o._extends)||this.match(o.placeholder)||t
his.match(o.braceL))e.id=s;else{if(r)!return
e.id=null,e.body=this.finishPlaceholder(s,\\\\"ClassBody\\\\"),this.finishNode(e,n);this.unexpected(null,de.ClassName
IsRequired)}else this.parseClassId(e,t,r);return
this.parseClassSuper(e),e.body=this.parsePlaceholder(\\\\"ClassBody\\\\")||this.parseClassBody(!e.superClass,i),this.f
inishNode(e,n)}parseExport(e){const t=this.parsePlaceholder(\\\\"Identifier\\\\"");if(!t)return
super.parseExport(...arguments);if(!this.isContextual(\\\\"from\\\\""))&&!this.match(o.comma))return
e.specifiers=[],e.source=null,e.declaration=this.finishPlaceholder(t,\\\\"Declaration\\\\"),this.finishNode(e,\\\\"ExportN
amedDeclaration\\\\"");this.expectPlugin(\\\\"exportDefaultFrom\\\\"");const r=this.startNode();return
r.exported=t,e.specifiers=[this.finishNode(r,\\\\"ExportDefaultSpecifier\\\\""),super.parseExport(e)}isExportDefaultSp
ecifier(){if(this.match(o._default)){const
e=this.nextTokenStart();if(this.isUnparsedContextual(e,\\\\"from\\\\""))&&this.input.startsWith(o.placeholder.label,this
.nextTokenStartSince(e+4))return!0}return
super.isExportDefaultSpecifier()}maybeParseExportDefaultSpecifier(e){return!(e.specifiers&&e.specifiers.length>
0)||super.maybeParseExportDefaultSpecifier(...arguments)}checkExport(e){const{specifiers:t}=e,null!=t&&t.length
&&(e.specifiers=t.filter(e=>\\\\"Placeholder\\\\"===e.exported.type)),super.checkExport(e),e.specifiers=t}parseImpor
t(e){const t=this.parsePlaceholder(\\\\"Identifier\\\\"");if(!t)return
super.parseImport(...arguments);if(e.specifiers=[],!this.isContextual(\\\\"from\\\\""))&&!this.match(o.comma))return
e.source=this.finishPlaceholder(t,\\\\"StringLiteral\\\\"),this.semicolon(),this.finishNode(e,\\\\"ImportDeclaration\\\\"");c
onst
r=this.startNodeAtNode(t);if(r.local=t,this.finishNode(r,\\\\"ImportDefaultSpecifier\\\\""),e.specifiers.push(r),this.eat(o
.comma)){this.maybeParseStarImportSpecifier(e)||this.parseNamedImportSpecifiers(e)}return
this.expectContextual(\\\\"from\\\\""),e.source=this.parseImportSource(),this.semicolon(),this.finishNode(e,\\\\"ImportD
eclaration\\\\"")}parseImportSource(){return
this.parsePlaceholder(\\\\"StringLiteral\\\\")||super.parseImportSource(...arguments)}}},be=Object.keys(Te),ge={sour
ceType:\\\\"script\\\\"},sourceFilename:void
0,startLine:1,allowAwaitOutsideFunction:!1,allowReturnOutsideFunction:!1,allowImportExportEverywhere:!1,allo
wSuperOutsideMethod:!1,allowUndeclaredExports:!1,plugins:[],strictMode:null,ranges:!1,tokens:!1,createParenthes
izedExpressions:!1,errorRecovery:!1};class Se{constructor(){this.strict=void 0,this.curLine=void
0,this.startLoc=void 0,this.endLoc=void 0,this.errors=[],this.potentialArrowAt=-
1,this.noArrowAt=[],this.noArrowParamsConversionAt=[],this.maybeInArrowParameters=!1,this.inPipeline=!1,this
.inType=!1,this.noAnonFunctionType=!1,this.inPropertyName=!1,this.hasFlowComment=!1,this.isAmbientContext
=!1,this.inAbstractClass=!1,this.topicContext={maxNumOfResolvableTopics:0,maxTopicIndex:null},this.soloAwait
=!1,this.inFSharpPipelineDirectBody=!1,this.labels=[],this.decoratorStack=[[]],this.comments=[],this.trailingCom
ments=[],this.leadingComments=[],this.commentStack=[],this.commentPreviousNode=null,this.pos=0,this.lineStart
=0,this.type=o.eof,this.value=null,this.start=0,this.end=0,this.lastTokEndLoc=null,this.lastTokStartLoc=null,this.las
tTokStart=0,this.lastTokEnd=0,this.context=[x.braceStatement],this.exprAllowed=!0,this.containsEsc=!1,this.strictE
rrors=new
Map,this.exportedIdentifiers=[],this.tokensLength=0}init(e){this.strict=!1!==e.strictMode&&\\\\"module\\\\"===e.so
urceType,this.curLine=e.startLine,this.startLoc=this.endLoc=this.curPosition()}curPosition(){return new
h(this.curLine,this.pos-this.lineStart)}clone(e){const t=new Se,r=Object.keys(this);for(let
n=0,i=r.length;n<i;n++){const i=r[n];let s=this[i];!e&&Array.isArray(s)&&(s=s.slice()),t[i]=s}return t}}var
xe=function(e){return e>=48&&e<=57};const Ee=new
Set([\\\\"g\\\\",\\\\"m\\\\",\\\\"s\\\\",\\\\"i\\\\",\\\\"y\\\\",\\\\"u\\\\"]),Pe={decBinOct:[46,66,69,79,95,98,101,111],hex:[46,88,95,1
20]},ve={bin:[48,49];ve.oct=[...ve.bin,50,51,52,53,54,55],ve.dec=[...ve.oct,56,57],ve.hex=[...ve.dec,65,66,67,68,69
,70,97,98,99,100,101,102];class
Ae{constructor(e){this.type=e.type,this.value=e.value,this.start=e.start,this.end=e.end,this.loc=new

```



```

0!==n.trailingComments&&(n.trailingComments=[])}processComment(e){if(\\\\"Program\\"===e.type&&e.body.length>0)return;const t=this.state.commentStack;let
r,n,i,s,a;if(this.state.trailingComments.length>0)this.state.trailingComments[0].start>=e.end?(i=this.state.trailingComments,this.state.trailingComments=[]):this.state.trailingComments.length=0;else if(t.length>0){const
r=m(t);r.trailingComments&&r.trailingComments[0].start>=e.end&&(i=r.trailingComments,delete
r.trailingComments)}for(t.length>0&&m(t).start>=e.start&&(r=t.pop());t.length>0&&m(t).start>=e.start;)n=t.pop();
if(!n&&r&&(n=r),r)switch(e.type){case\\\\"ObjectExpression\\"":this.adjustCommentsAfterTrailingComma(e,e.properties);break;case\\\\"ObjectPattern\\"":this.adjustCommentsAfterTrailingComma(e,e.properties,!0);break;case\\\\"Call
Expression\\"":this.adjustCommentsAfterTrailingComma(e,e.arguments);break;case\\\\"ArrayExpression\\"":this.adjustCommentsAfterTrailingComma(e,e.elements);break;case\\\\"ArrayPattern\\"":this.adjustCommentsAfterTrailingComma(e,e.elements,!0)}else
this.state.commentPreviousNode&&(\\\\"ImportSpecifier\\"===this.state.commentPreviousNode.type&&\\\\"ImportSpecifier\\"!==e.type||\\\\"ExportSpecifier\\"===this.state.commentPreviousNode.type&&\\\\"ExportSpecifier\\"!==e.type)&&this.adjustCommentsAfterTrailingComma(e,[this.state.commentPreviousNode]);if(n){if(n.leadingComments)if(n!==e&&n.leadingComments.length>0&&m(n.leadingComments).end<=e.start)e.leadingComments=n.leadingComments,delete n.leadingComments;else for(s=n.leadingComments.length-2;s>=0;--s)if(n.leadingComments[s].end<=e.start){e.leadingComments=n.leadingComments.splice(0,s+1);break}}else
if(this.state.leadingComments.length>0)if(m(this.state.leadingComments).end<=e.start){if(this.state.commentPreviousNode)for(a=0;a<this.state.leadingComments.length;a++)this.state.leadingComments[a].end<this.state.commentPreviousNode.end&&(this.state.leadingComments.splice(a,1),a--);this.state.leadingComments.length>0&&(e.leadingComments=this.state.leadingComments,this.state.leadingComments=[])}else{for(s=0;s<this.state.leadingComments.length&&(this.state.leadingComments[s].end>e.start);s++);const
t=this.state.leadingComments.slice(0,s);t.length&&(e.leadingComments=t),i=this.state.leadingComments.slice(s),0===i.length&&(i=null)}if(this.state.commentPreviousNode=e,i)if(i.length&&i[0].start>=e.start&&m(i).end<=e.end)e.innerComments=i;else{const
t=i.findIndex(t=>t.end>=e.end);t>0?(e.innerComments=i.slice(0,t),e.trailingComments=i.slice(t)):e.trailingComments=i}t.push(e)}{getLocationForPosition(e){let t;return
t=e===this.state.start?this.state.startLoc:e===this.state.lastTokStart?this.state.lastTokStartLoc:e===this.state.end?this.state.endLoc:e===this.state.lastTokEnd?this.state.lastTokEndLoc:function(e,t){let
r,n=1,i=0;for(c.lastIndex=0;(r=c.exec(e))&&r.index<t;)n++,i=c.lastIndex;return new h(n,t-i)}(this.input,e),t)raise(e,{code:t,reasonCode:r,template:n},...i){return
this.raiseWithData(e,{code:t,reasonCode:r},n,...i)}raiseOverwrite(e,{code:t,template:r},...n){const
i=this.getLocationForPosition(e),s=r.replace(/%(\|d+)/g,(e,t)=>n[t])+`
($ {i.line}:$ {i.column})`;if(this.options.errorRecovery){const t=this.state.errors;for(let r=t.length-1;r>=0;r--){const
n=t[r];if(n.pos===e)return Object.assign(n,{message:s});if(n.pos<e)break}}return
this._raise({code:t,loc:i,pos:e},s)}raiseWithData(e,t,r,...n){const
i=this.getLocationForPosition(e),s=r.replace(/%(\|d+)/g,(e,t)=>n[t])+` ($ {i.line}:$ {i.column})`;return
this._raise(Object.assign({loc:i,pos:e},t),s)}_raise(e,t){const r=new
SyntaxError(t);if(Object.assign(r,e),this.options.errorRecovery)return
this.isLookahead||this.state.errors.push(r),r;throw r}}constructor(e,t){super(),this.isLookahead=void
0,this.tokens=[],this.state=new
Se,this.state.init(e),this.input=t,this.length=t.length,this.isLookahead=!1}pushToken(e){this.tokens.length=this.state.tokensLength,this.tokens.push(e),++this.state.tokensLength}next(){this.isLookahead||(this.checkKeywordEscapes(),
this.options.tokens&&this.pushToken(new
Ae(this.state))),this.state.lastTokEnd=this.state.end,this.state.lastTokStart=this.state.start,this.state.lastTokEndLoc=this.state.endLoc,this.state.lastTokStartLoc=this.state.startLoc,this.nextToken()}eat(e){return!!this.match(e)&&(this.next(),!0)}match(e){return this.state.type===e}lookahead(){const

```

```

e=this.state;this.state=e.clone(!0),this.isLookahead=!0,this.next(),this.isLookahead=!1;const t=this.state;return
this.state=e,t}nextTokenStart(){return
this.nextTokenStartSince(this.state.pos)}nextTokenStartSince(e){u.lastIndex=e;return
e+u.exec(this.input)[0].length}lookaheadCharCode(){return
this.input.charCodeAt(this.nextTokenStart())}codePointAtPos(e){let
t=this.input.charCodeAt(e);if(55296==(64512&t)&&+e<this.input.length){const
r=this.input.charCodeAt(e);56320==(64512&r)&&(t=65536+((1023&t)<<10)+(1023&r))}return
t}setStrict(e){this.state.strict=e,e&&(this.state.strictErrors.forEach((e,t)=>this.raise(t,e)),this.state.strictErrors.clear()
)}curContext(){return this.state.context[this.state.context.length-1]}nextToken(){const
e=this.curContext();if(null!=e&&e.preserveSpace||this.skipSpace(),this.state.start=this.state.pos,this.state.startLoc=t
his.state.curPosition(),this.state.pos>=this.length)return void this.finishToken(o.eof);const t=null==e?void
0:e.override;t?(this):this.getTokenFromCode(this.codePointAtPos(this.state.pos))}pushComment(e,t,r,n,i,s){const
a={type:e?"CommentBlock":"CommentLine",value:t,start:r,end:n,loc:new
f(i,s)};this.options.tokens&&this.pushToken(a),this.state.comments.push(a),this.addComment(a)}skipBlockComme
nt(){const e=this.state.curPosition(),t=this.state.pos,r=this.input.indexOf("\\/*\\",this.state.pos+2);if(-1===r)throw
this.raise(t,T.UnterminatedComment);let
n;for(this.state.pos=r+2,c.lastIndex=t;(n=c.exec(this.input))&&n.index<this.state.pos;)+this.state.curLine,this.state.
lineStart=n.index+n[0].length;this.isLookahead||this.pushComment(!0,this.input.slice(t+2,r),t,this.state.pos,e,this.stat
e.curPosition())}skipLineComment(e){const t=this.state.pos,r=this.state.curPosition();let
n=this.input.charCodeAt(this.state.pos+e);if(this.state.pos<this.length)for(;!p(n)&&+this.state.pos<this.length;)+n
=this.input.charCodeAt(this.state.pos);this.isLookahead||this.pushComment(!1,this.input.slice(t+e,this.state.pos),t,thi
s.state.pos,r,this.state.curPosition())}skipSpace(){e:for(;this.state.pos<this.length;){const
e=this.input.charCodeAt(this.state.pos);switch(e){case 32:case 160:case 9:++this.state.pos;break;case
13:10===this.input.charCodeAt(this.state.pos+1)&&+this.state.pos;case 10:case 8232:case
8233:++this.state.pos,++this.state.curLine,this.state.lineStart=this.state.pos;break;case
47:switch(this.input.charCodeAt(this.state.pos+1)){case 42:this.skipBlockComment();break;case
47:this.skipLineComment(2);break;default:break e}break;default:if(!d(e))break
e;+this.state.pos}}finishToken(e,t){this.state.end=this.state.pos,this.state.endLoc=this.state.curPosition();const
r=this.state.type;this.state.type=e,this.state.value=t,this.isLookahead||this.updateContext(r)}readToken_numberSign(
){if(0===this.state.pos&&this.readToken_interpreter())return;const
e=this.state.pos+1,t=this.codePointAtPos(e);if(t>=48&&t<=57)throw
this.raise(this.state.pos,T.UnexpectedDigitAfterHash);if(123===t||91===t&&this.hasPlugin("\\recordAndTuple\\")
){if(this.expectPlugin("\\recordAndTuple\\"),\\"hash\\"!=this.getPluginOption("\\recordAndTuple\\",\\"syntax
Type\\"))throw
this.raise(this.state.pos,123===t?T.RecordExpressionHashIncorrectStartSyntaxType:T.TupleExpressionHashIncorre
ctStartSyntaxType);123===t?this.finishToken(o.braceHashL):this.finishToken(o.bracketHashL),this.state.pos+=2}e
lse
C(t)?(++this.state.pos,this.finishToken(o.privateName,this.readWord1(t))):92===t?(++this.state.pos,this.finishToke
n(o.privateName,this.readWord1())):this.finishOp(o.hash,1)}readToken_dot(){const
e=this.input.charCodeAt(this.state.pos+1);e>=48&&e<=57?this.readNumber(!0):46===e&&46===this.input.charC
odeAt(this.state.pos+2)?(this.state.pos+=3,this.finishToken(o.ellipsis)):(++this.state.pos,this.finishToken(o.dot))}rea
dToken_slash(){if(this.state.exprAllowed&&this.state.inType)return++this.state.pos,void
this.readRegexp();61===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.assign,2):this.finishOp(o.slash,1)}r
eadToken_interpreter(){if(0!==this.state.pos||this.length<2)return!1;let
e=this.input.charCodeAt(this.state.pos+1);if(33===e)return!1;const
t=this.state.pos;for(this.state.pos+=1;!p(e)&&+this.state.pos<this.length;)+e=this.input.charCodeAt(this.state.pos);c
onst r=this.input.slice(t+2,this.state.pos);return
this.finishToken(o.interpreterDirective,r,!0)}readToken_mult_modulo(e){let

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t=42===e?o.star:o.modulo,r=1,n=this.input.charCodeAt(this.state.pos+1);const
i=this.state.exprAllowed;42===e&&42===n&&(r++,n=this.input.charCodeAt(this.state.pos+2),t=o.exponent),61!=
=n||i||(r++,t=o.assign),this.finishOp(t,r)}readToken_pipe_amp(e){const
t=this.input.charCodeAt(this.state.pos+1);if(t!==e){if(124===e){if(62===t)return void
this.finishOp(o.pipeline,2);if(this.hasPlugin(\\\\"recordAndTuple\\\\")&&125===t){if(\\\\"bar\\\\"!==this.getPluginOpti
on(\\\\"recordAndTuple\\\\"),\\\\"syntaxType\\\\"))throw
this.raise(this.state.pos,T.RecordExpressionBarIncorrectEndSyntaxType);return void
this.finishOp(o.braceBarR,2)}if(this.hasPlugin(\\\\"recordAndTuple\\\\")&&93===t){if(\\\\"bar\\\\"!==this.getPluginOp
tion(\\\\"recordAndTuple\\\\"),\\\\"syntaxType\\\\"))throw
this.raise(this.state.pos,T.TupleExpressionBarIncorrectEndSyntaxType);return void
this.finishOp(o.bracketBarR,2)}61!==t?this.finishOp(124===e?o.bitwiseOR:o.bitwiseAND,1):this.finishOp(o.assi
gn,2)}else
61===this.input.charCodeAt(this.state.pos+2)?this.finishOp(o.assign,3):this.finishOp(124===e?o.logicalOR:o.logic
alAND,2)}readToken_caret(){61===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.assign,2):this.finishOp
(o.bitwiseXOR,1)}readToken_plus_min(e){const t=this.input.charCodeAt(this.state.pos+1);if(t===e)return
45!==t||this.inModule||62!==this.input.charCodeAt(this.state.pos+2)||0!==this.state.lastTokEnd&&!this.hasPrecedin
gLineBreak()?void this.finishOp(o.incDec,2):(this.skipLineComment(3),this.skipSpace(),void
this.nextToken());61===t?this.finishOp(o.assign,2):this.finishOp(o.plusMin,1)}readToken_lt_gt(e){const
t=this.input.charCodeAt(this.state.pos+1);let r=1;return
t===e?(r=62===e&&62===this.input.charCodeAt(this.state.pos+2)?3:2,61===this.input.charCodeAt(this.state.pos+
r)?void this.finishOp(o.assign,r+1):void
this.finishOp(o.bitShift,r)):33!==t||60!==e||this.inModule||45!==this.input.charCodeAt(this.state.pos+2)||45!==this.in
put.charCodeAt(this.state.pos+3)?(61===t&&(r=2),void
this.finishOp(o.relational,r):(this.skipLineComment(4),this.skipSpace(),void
this.nextToken()))readToken_eq_excl(e){const t=this.input.charCodeAt(this.state.pos+1);if(61!==t)return
61===e&&62===t?(this.state.pos+=2,void this.finishToken(o.arrow)):void
this.finishOp(61===e?o.eq:o.bang,1);this.finishOp(o.equality,61===this.input.charCodeAt(this.state.pos+2)?3:2)}re
adToken_question(){const
e=this.input.charCodeAt(this.state.pos+1),t=this.input.charCodeAt(this.state.pos+2);63===e?61===t?this.finishOp(
o.assign,3):this.finishOp(o.nullishCoalescing,2):46!==e||t>=48&&t<=57?(++this.state.pos,this.finishToken(o.questi
on)):this.state.pos+=2,this.finishToken(o.questionDot)}getTokenFromCode(e){switch(e){case 46:return void
this.readToken_dot();case 40:return++this.state.pos,void this.finishToken(o.parenL);case
41:return++this.state.pos,void this.finishToken(o.parenR);case 59:return++this.state.pos,void
this.finishToken(o.semi);case 44:return++this.state.pos,void this.finishToken(o.comma);case
91:if(this.hasPlugin(\\\\"recordAndTuple\\\\")&&124===this.input.charCodeAt(this.state.pos+1)){if(\\\\"bar\\\\"!==this.
getPluginOption(\\\\"recordAndTuple\\\\"),\\\\"syntaxType\\\\"))throw
this.raise(this.state.pos,T.TupleExpressionBarIncorrectStartSyntaxType);this.finishToken(o.bracketBarL),this.state.
pos+=2}else++this.state.pos,this.finishToken(o.bracketL);return;case 93:return++this.state.pos,void
this.finishToken(o.bracketR);case
123:if(this.hasPlugin(\\\\"recordAndTuple\\\\")&&124===this.input.charCodeAt(this.state.pos+1)){if(\\\\"bar\\\\"!==thi
s.getPluginOption(\\\\"recordAndTuple\\\\"),\\\\"syntaxType\\\\"))throw
this.raise(this.state.pos,T.RecordExpressionBarIncorrectStartSyntaxType);this.finishToken(o.braceBarL),this.state.p
os+=2}else++this.state.pos,this.finishToken(o.braceL);return;case 125:return++this.state.pos,void
this.finishToken(o.braceR);case 58:return
void(this.hasPlugin(\\\\"functionBind\\\\")&&58===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.doubleCo
lon,2):(++this.state.pos,this.finishToken(o.colon));case 63:return void this.readToken_question();case
96:return++this.state.pos,void this.finishToken(o.backQuote);case 48:{const
e=this.input.charCodeAt(this.state.pos+1);if(120===e||88===e)return void

```



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r=++this.state.pos;if(t=this.readHexChar(this.input.indexOf("\\\\"),this.state.pos)-
this.state.pos,!0,e),++this.state.pos,null!==(t&&t>1114111){if(!e)return null;this.raise(r,T.InvalidCodePoint)}}else
t=this.readHexChar(4,!1,e);return t}readString(e){let
t=\\\\"";r=++this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,T.UnterminatedString);const
n=this.input.charCodeAtAt(this.state.pos);if(n===e)break;if(92===n)t+=this.input.slice(r,this.state.pos),t+=this.readEs
capedChar(!1),r=this.state.pos;else
if(8232===n||8233===n)++this.state.pos,++this.state.curLine,this.state.lineStart=this.state.pos;else{if(p(n))throw
this.raise(this.state.start,T.UnterminatedString);++this.state.pos}}t+=this.input.slice(r,this.state.pos++),this.finishTo
ken(o.string,t)}readTplToken(){let e=\\\\"";t=this.state.pos,r=!1;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,T.UnterminatedTemplate);const
n=this.input.charCodeAtAt(this.state.pos);if(96===n||36===n&&123===this.input.charCodeAtAt(this.state.pos+1))retur
n this.state.pos===this.state.start&&this.match(o.template)?36===n?(this.state.pos+=2,void
this.finishToken(o.dollarBraceL)):(++this.state.pos,void
this.finishToken(o.backQuote)):(e+=this.input.slice(t,this.state.pos),void
this.finishToken(o.template,r?null:e));if(92===n){e+=this.input.slice(t,this.state.pos);const
n=this.readEscapedChar(!0);null===n?r=!0:e+=n,t=this.state.pos}else
if(p(n)){switch(e+=this.input.slice(t,this.state.pos),++this.state.pos,n){case
13:10===this.input.charCodeAtAt(this.state.pos)&&++this.state.pos;case
10:e+=\\\\"";break;default:e+=String.fromCharCode(n)}++this.state.curLine,this.state.lineStart=this.state.pos,t
=this.state.pos}else++this.state.pos}}recordStrictModeErrors(e,t){this.state.strict&&!this.state.strictErrors.has(e)?th
is.raise(e,t):this.state.strictErrors.set(e,t)}readEscapedChar(e){const
t=!e,r=this.input.charCodeAtAt(++this.state.pos);switch(++this.state.pos,r){case 110:return\\\\"";case
114:return\\\\"r";case 120:{const e=this.readHexChar(2,!1,t);return null===e?null:String.fromCharCode(e)}case
117:{const e=this.readCodePoint(t);return null===e?null:String.fromCodePoint(e)}case 116:return\\\\"t";case
98:return\\\\"b";case 118:return\\\\"v";case 102:return\\\\"f";case
13:10===this.input.charCodeAtAt(this.state.pos)&&++this.state.pos;case
10:this.state.lineStart=this.state.pos,++this.state.curLine;case 8232:case 8233:return\\\\"";case 56:case
57:if(e)return null;this.recordStrictModeErrors(this.state.pos-
1,T.StrictNumericEscape);default:if(r>=48&&r<=55){const t=this.state.pos-1;let r=this.input.substr(this.state.pos-
1,3).match(/^[0-7]+/)[0],n=parseInt(r,8),n>255&&(r=r.slice(0,-1),n=parseInt(r,8)),this.state.pos+=r.length-1;const
i=this.input.charCodeAtAt(this.state.pos);if(\\\\"0\\\\"!==(r||56===i||57===i){if(e)return
null;this.recordStrictModeErrors(t,T.StrictNumericEscape)}return String.fromCharCode(n)}return
String.fromCharCode(r)}readHexChar(e,t,r){const n=this.state.pos,i=this.readInt(16,e,t,!1);return
null===i&&(r?this.raise(n,T.InvalidEscapeSequence):this.state.pos=n-
1),i}readWord1(e){this.state.containsEsc=!1;let t=\\\\"";const r=this.state.pos;let n=this.state.pos;for(void
0!==e&&(this.state.pos+=e<=65535?1:2);this.state.pos<this.length;){const
e=this.codePointAtPos(this.state.pos);if(N(e))this.state.pos+=e<=65535?1:2;else{if(92===e)break;{this.state.contain
sEsc=!0,t+=this.input.slice(n,this.state.pos);const
e=this.state.pos,i=this.state.pos===r?C:N;if(117!==(this.input.charCodeAtAt(++this.state.pos))){this.raise(this.state.pos,
T.MissingUnicodeEscape),n=this.state.pos-1;continue}++this.state.pos;const
s=this.readCodePoint(!0);null!==s&&(i(s)||this.raise(e,T.EscapedCharNotAnIdentifier),t+=String.fromCodePoint(s)
),n=this.state.pos}}return t+this.input.slice(n,this.state.pos)}readWord(e){const
t=this.readWord1(e),r=i.get(t)||o.name;this.finishToken(r,t)}checkKeywordEscapes(){const
e=this.state.type.keyword;e&&this.state.containsEsc&&this.raise(this.state.start,T.InvalidEscapedReservedWord,e)
}braceIsBlock(e){const t=this.curContext();return
t===x.functionExpression||t===x.functionStatement||(!e===o.colon||t===x.braceStatement&&t!==x.braceExpression?
e===o._return||e===o.name&&this.state.exprAllowed?this.hasPrecedingLineBreak():e===o._else||e===o.semi||e===

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=o.eof||e===o.parenR||e===o.arrow||(e===o.braceL?t===x.braceStatement:e!==o._var&&e!==o._const&&e!==o.name&&(e===o.relational||!this.state.exprAllowed):!t.isExpr)}updateContext(e){const t=this.state.type;let
r;!t.keyword||e!==o.dot&&e!==o.questionDot?(r=t.updateContext)?r.call(this,e):this.state.exprAllowed=t.beforeExp
r:this.state.exprAllowed=!1}}addExtra(e,t,r){if(!e)return;(e.extra=e.extra||{})[t]=r}isRelational(e){return
this.match(o.relational)&&this.state.value===e}expectRelational(e){this.isRelational(e)?this.next():this.unexpected(
null,o.relational)}isContextual(e){return
this.match(o.name)&&this.state.value===e&&!this.state.containsEsc}isUnparsedContextual(e,t){const
r=e+t.length;return
this.input.slice(e,r)===t&&(r===this.input.length?!N(this.input.charCodeAt(r)))}isLookaheadContextual(e){const
t=this.nextTokenStart();return this.isUnparsedContextual(t,e)}eatContextual(e){return
this.isContextual(e)&&this.eat(o.name)}expectContextual(e,t){this.eatContextual(e)||this.unexpected(null,t)}canInse
rtSemicolon(){return
this.match(o.eof)||this.match(o.braceR)||this.hasPrecedingLineBreak()}hasPrecedingLineBreak(){return
l.test(this.input.slice(this.state.lastTokEnd,this.state.start))}hasFollowingLineBreak(){return
l.test(this.input.slice(this.state.end,this.nextTokenStart()))}isLineTerminator(){return
this.eat(o.semi)||this.canInsertSemicolon()}semicolon(e=!0){(e?this.isLineTerminator():this.eat(o.semi))||this.raise(t
his.state.lastTokEnd,T.MissingSemicolon)}expect(e,t){this.eat(e)||this.unexpected(t,e)}assertNoSpace(e=\\`Unexpe
cted
space.\\`){this.state.start>this.state.lastTokEnd&&this.raise(this.state.lastTokEnd,{code:y.SyntaxError,reasonCode:
\\`UnexpectedSpace\\`,template:e})}unexpected(e,t={code:y.SyntaxError,reasonCode:\\`UnexpectedToken\\`,te
mplate:\\`Unexpected token\\`}){throw t instanceof
n&&(t={code:y.SyntaxError,reasonCode:\\`UnexpectedToken\\`,template:`Unexpected token, expected
\\`$${t.label}\\`"},this.raise(null!=e?e:this.state.start,t)}expectPlugin(e,t){if(!this.hasPlugin(e))throw
this.raiseWithData(null!=t?t:this.state.start,{missingPlugin:[e]},`This experimental syntax requires enabling the
parser plugin: '${e}'`);return!0}expectOnePlugin(e,t){if(!e.some(e=>this.hasPlugin(e)))throw
this.raiseWithData(null!=t?t:this.state.start,{missingPlugin:e},`This experimental syntax requires enabling one of the
following parser plugin(s): '${e.join("\\`, \\`")}'`)}tryParse(e,t=this.state.clone()){const r={node:null};try{const
n=e((e=null)=>{throw r.node=e,r});if(this.state.errors.length>t.errors.length){const e=this.state;return
this.state=t,this.state.tokensLength=e.tokensLength,{node:n,error:e.errors[t.errors.length],thrown:!1,aborted:!1,failSt
ate:e}}return{node:n,error:null,thrown:!1,aborted:!1,failState:null}}catch(e){const n=this.state;if(this.state=t,e
instanceof
SyntaxError)return{node:null,error:e,thrown:!0,aborted:!1,failState:n};if(e===r)return{node:r.node,error:null,throw
n:!1,aborted:!0,failState:n};throw
e}}checkExpressionErrors(e,t){if(!e)return!1;const{shorthandAssign:r,doubleProto:n}=e;if(!t)return
r>=0||n>=0;r>=0&&this.unexpected(r,n>=0&&this.raise(n,T.DuplicateProto)}isLiteralPropertyName(){return
this.match(o.name)||!this.state.type.keyword||this.match(o.string)||this.match(o.num)||this.match(o.bigint)||this.mat
h(o.decimal)}isPrivateName(e){return\\`PrivateName\\`===e.type}getPrivateNameSV(e){return
e.id.name}hasPropertyAsPrivateName(e){return(\\`MemberExpression\\`===e.type||\\`OptionalMemberExpressio
n\\`===e.type)&&this.isPrivateName(e.property)}isOptionalChain(e){return\\`OptionalMemberExpression\\`===
e.type||\\`OptionalCallExpression\\`===e.type}isObjectProperty(e){return\\`ObjectProperty\\`===e.type}isObject
Method(e){return\\`ObjectMethod\\`===e.type}initializeScopes(e=\\`module\\`===this.options.sourceType){con
st t=this.state.labels;this.state.labels=[];const r=this.state.exportedIdentifiers;this.state.exportedIdentifiers=[];const
n=this.inModule;this.inModule=e;const i=this.scope,s=this.getScopeHandler();this.scope=new
s(this.raise.bind(this),this.inModule);const a=this.prodParam;this.prodParam=new ae;const
o=this.classScope;this.classScope=new Oe(this.raise.bind(this));const l=this.expressionScope;return
this.expressionScope=new
Ne(this.raise.bind(this),())=>{this.state.labels=t,this.state.exportedIdentifiers=r,this.inModule=n,this.scope=i,this.pr
odParam=a,this.classScope=o,this.expressionScope=l}}enterInitialScopes(){let

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e=0;this.hasPlugin(\\\\"topLevelAwait\\\\")&&this.inModule&&(e|=2),this.scope.enter(1),this.prodParam.enter(e)}{
startNode(){return new _e(this,this.state.start,this.state.startLoc)}startNodeAt(e,t){return new
_e(this,e,t)}startNodeAtNode(e){return this.startNodeAt(e.start,e.loc.start)}finishNode(e,t){return
this.finishNodeAt(e,t,this.state.lastTokEnd,this.state.lastTokEndLoc)}finishNodeAt(e,t,r,n){return
e.type=t,e.end=r,e.loc.end=n,this.options.ranges&&(e.range[1]=r),this.processComment(e,e)resetStartLocation(e,t,
r){e.start=t,e.loc.start=r,this.options.ranges&&(e.range[0]=t)}resetEndLocation(e,t=this.state.lastTokEnd,r=this.stat
e.lastTokEndLoc){e.end=t,e.loc.end=r,this.options.ranges&&(e.range[1]=t)}resetStartLocationFromNode(e,t){this.r
esetStartLocation(e,t.start,t.loc.start)} } toAssignable(e,t=!1){ var r,n;let i=void
0;switch(\\\\"ParenthesizedExpression\\\\"===e.type||null!=(r=e.extra)&&r.parenthesized)&&(i=Le(e),t?\\\\"Identifier
\\\\"===i.type?this.expressionScope.recordParenthesizedIdentifierError(e.start,T.InvalidParenthesizedAssignment):\\\\"
"MemberExpression\\\\"!==i.type&&this.raise(e.start,T.InvalidParenthesizedAssignment):this.raise(e.start,T.InvalidP
arenthesizedAssignment)),e.type){ case\\\\"Identifier\\\\":case\\\\"ObjectPattern\\\\":case\\\\"ArrayPattern\\\\":case\\\\"Assi
gnmentPattern\\\\":break;case\\\\"ObjectExpression\\\\":e.type=\\\\"ObjectPattern\\\\";for(let
r=0,n=e.properties.length,i=n-1;r<n;r++){ var s;const
n=e.properties[r],a=r===i,this.toAssignableObjectExpressionProp(n,a,t),a&&\\\\"RestElement\\\\"===n.type&&null!
=(s=e.extra)&&s.trailingComma&&this.raiseRestNotLast(e.extra.trailingComma)} break;case\\\\"ObjectProperty\\\\":t
his.toAssignable(e.value,t);break;case\\\\"SpreadElement\\\\":{ this.checkToRestConversion(e),e.type=\\\\"RestElement
\\\\";const
r=e.argument;this.toAssignable(r,t);break }case\\\\"ArrayExpression\\\\":e.type=\\\\"ArrayPattern\\\\",this.toAssignableL
ist(e.elements,null==(n=e.extra)?void
0:n.trailingComma,t);break;case\\\\"AssignmentExpression\\\\":\\\\"=\\\\"!==e.operator&&this.raise(e.left.end,T.Missin
gEqInAssignment),e.type=\\\\"AssignmentPattern\\\\",delete
e.operator,this.toAssignable(e.left,t);break;case\\\\"ParenthesizedExpression\\\\":this.toAssignable(i,t) return
e}toAssignableObjectExpressionProp(e,t,r){if(\\\\"ObjectMethod\\\\"===e.type){ const
t=\\\\"get\\\\"===e.kind||\\\\"set\\\\"===e.kind?T.PatternHasAccessor:T.PatternHasMethod;this.raise(e.key.start,t)}else\\\\"
"SpreadElement\\\\"!==e.type|t?this.toAssignable(e,r):this.raiseRestNotLast(e.start)}toAssignableList(e,t,r){let
n=e.length;if(n){ const i=e[n-1];if(\\\\"RestElement\\\\"===(null==i?void 0:i.type))--n}else
if(\\\\"SpreadElement\\\\"===(null==i?void 0:i.type)){ i.type=\\\\"RestElement\\\\";let
e=i.argument;this.toAssignable(e,r),e=Le(e),\\\\"Identifier\\\\"!==e.type&&\\\\"MemberExpression\\\\"!==e.type&&\\\\"
ArrayPattern\\\\"!==e.type&&\\\\"ObjectPattern\\\\"!==e.type&&this.unexpected(e.start),t&&this.raiseTrailingComma
AfterRest(t)--n} }for(let t=0;t<n;t++){ const
n=e[t];n&&(this.toAssignable(n,r),\\\\"RestElement\\\\"===n.type&&this.raiseRestNotLast(n.start))}return
e}toReferencedList(e,t){return e}toReferencedListDeep(e,t){this.toReferencedList(e,t);for(const t of
e)\\\\"ArrayExpression\\\\"===(null==t?void
0:t.type)&&this.toReferencedListDeep(t.elements)}parseSpread(e,t){const r=this.startNode();return
this.next(),r.argument=this.parseMaybeAssignAllowIn(e,void
0,t),this.finishNode(r,\\\\"SpreadElement\\\\")}parseRestBinding(){const e=this.startNode();return
this.next(),e.argument=this.parseBindingAtom(),this.finishNode(e,\\\\"RestElement\\\\")}parseBindingAtom(){switch
(this.state.type){ case o.bracketL:{const e=this.startNode();return
this.next(),e.elements=this.parseBindingList(o.bracketR,93,!0),this.finishNode(e,\\\\"ArrayPattern\\\\")}case
o.braceL:return this.parseObjectLike(o.braceR,!0)}return this.parseIdentifier()}parseBindingList(e,t,r,n){const
i=[];let
s=!0;for(;!this.eat(e);)if(s?s=!1:this.expect(o.comma),r&&this.match(o.comma))i.push(null);else{if(this.eat(e))break
;if(this.match(o.ellipsis)){ i.push(this.parseAssignableListItemTypes(this.parseRestBinding()));this.checkCommaAft
erRest(t),this.expect(e);break }const
e=[];for(this.match(o.at)&&this.hasPlugin(\\\\"decorators\\\\")&&this.raise(this.state.start,T.UnsupportedParameterDe
corator);this.match(o.at);)e.push(this.parseDecorator());i.push(this.parseAssignableListItem(n,e))}return
i}parseAssignableListItem(e,t){const r=this.parseMaybeDefault();this.parseAssignableListItemTypes(r);const

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```

n=this.parseMaybeDefault(r.start,r.loc.start,r);return
t.length&&(r.decorators=t),n }parseAssignableListItemTypes(e){return e }parseMaybeDefault(e,t,r){var
n,i,s;if(t=null!=(n=t)?n:this.state.startLoc,e=null!=(i=e)?i:this.state.start,r=null!=(s=r)?s:this.parseBindingAtom(),!th
is.is.eat(o.eq))return r;const a=this.startNodeAt(e,t);return
a.left=r,a.right=this.parseMaybeAssignAllowIn(),this.finishNode(a,||"AssignmentPattern") }checkLVal(e,t,r=64,n
,i,s=1){switch(e.type){case||"Identifier":const{name:t}=e;this.state.strict&&(s?B(t,this.inModule):R(t))&&this.
raise(e.start,64===r?T.StrictEvalArguments:T.StrictEvalArgumentsBinding,t),n&&(n.has(t)?this.raise(e.start,T.Para
mDupe):n.add(t)),i&&||"let"===t&&this.raise(e.start,T.LetInLexicalBinding),64&r||this.scope.declareName(t,r,e.
start);break }case||"MemberExpression":64===r&&this.raise(e.start,T.InvalidPropertyBindingPattern);break;case\
||"ObjectPattern":for(let t of e.properties){if(this.isObjectProperty(t))t=t.value;else
if(this.isObjectMethod(t))continue;this.checkLVal(t,||"object destructuring
pattern",r,n,i)}break;case||"ArrayPattern":for(const t of e.elements)t&&this.checkLVal(t,||"array destructuring
pattern",r,n,i);break;case||"AssignmentPattern":this.checkLVal(e.left,||"assignment
pattern",r,n);break;case||"RestElement":this.checkLVal(e.argument,||"rest
element",r,n);break;case||"ParenthesizedExpression":this.checkLVal(e.expression,||"parenthesized
expression",r,n);break;default:this.raise(e.start,64===r?T.InvalidLhs:T.InvalidLhsBinding,t)} }checkToRestConve
rsion(e){||"Identifier"!==e.argument.type&&||"MemberExpression"!==e.argument.type&&this.raise(e.argume
nt.start,T.InvalidRestAssignmentPattern)}checkCommaAfterRest(e){this.match(o.comma)&&(this.lookaheadCharC
ode()===e?this.raiseTrailingCommaAfterRest(this.state.start):this.raiseRestNotLast(this.state.start))}raiseRestNotLa
st(e){throw
this.raise(e,T.ElementAfterRest)}raiseTrailingCommaAfterRest(e){this.raise(e,T.RestTrailingComma)} }{checkProt
o(e,t,r,n){if(\\|"SpreadElement"===e.type||this.isObjectMethod(e)||e.computed||e.shorthand)return;const
i=e.key;if(\\|"__proto__"===e.type||"Identifier"===i.type?i.name:i.value){if(t)return void
this.raise(i.start,T.RecordNoProto);r.used&&(n?-
1===n.doubleProto&&(n.doubleProto=i.start):this.raise(i.start,T.DuplicateProto)),r.used=!0 } }shouldExitDescendin
g(e,t){return||"ArrowFunctionExpression"===e.type&&e.start===t }getExpression(){let
e=0;this.hasPlugin(\\|"topLevelAwait"*)&&this.inModule&&(e|=2),this.scope.enter(1),this.prodParam.enter(e),this
.nextToken();const t=this.parseExpression();return
this.match(o.eof)||this.unexpected(),t.comments=this.state.comments,t.errors=this.state.errors,this.options.tokens&&
(t.tokens=this.tokens),t }parseExpression(e,t){return
e?this.disallowInAnd(=>this.parseExpressionBase(t):this.allowInAnd(=>this.parseExpressionBase(t))}parseExp
ressionBase(e){const
t=this.state.start,r=this.state.startLoc,n=this.parseMaybeAssign(e);if(this.match(o.comma)){const
i=this.startNodeAt(t,r);for(i.expressions=[n];this.eat(o.comma);i.expressions.push(this.parseMaybeAssign(e));retur
n this.toReferencedList(i.expressions),this.finishNode(i,||"SequenceExpression")}return
n }parseMaybeAssignDisallowIn(e,t,r){return
this.disallowInAnd(=>this.parseMaybeAssign(e,t,r))}parseMaybeAssignAllowIn(e,t,r){return
this.allowInAnd(=>this.parseMaybeAssign(e,t,r))}parseMaybeAssign(e,t,r){const
n=this.state.start,i=this.state.startLoc;if(this.isContextual(\\|"yield"*)&&this.prodParam.hasYield){this.state.exprAl
lowed=!0;let e=this.parseYield();return t&&(e=t.call(this,e,n,i)),e }let s;e?s=!1:(e=new
De,s=!0),(this.match(o.parenL)||this.match(o.name))&&(this.state.potentialArrowAt=this.state.start);let
a=this.parseMaybeConditional(e,r);if(t&&(a=t.call(this,a,n,i)),this.state.type.isAssign){const
t=this.startNodeAt(n,i),r=this.state.value;return
t.operator=r,this.match(o.eq)?(t.left=this.toAssignable(a,!0),e.doubleProto=-
1):t.left=a,e.shorthandAssign>=t.left.start&&(e.shorthandAssign=-1),this.checkLVal(a,||"assignment
expression"),this.next(),t.right=this.parseMaybeAssign(),this.finishNode(t,||"AssignmentExpression")}return
s&&this.checkExpressionErrors(e,!0),a }parseMaybeConditional(e,t){const
r=this.state.start,n=this.state.startLoc,i=this.state.potentialArrowAt,s=this.parseExprOps(e);return

```



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this.shouldExitDescending(s,i)?s:this.parseConditional(s,r,n,t)}parseConditional(e,t,r,n){if(this.eat(o.question)){con
st n=this.startNodeAt(t,r);return
n.test=e,n.consequent=this.parseMaybeAssignAllowIn(),this.expect(o.colon),n.alternate=this.parseMaybeAssign(),t
his.finishNode(n,\\\"ConditionalExpression\\\")}return e}parseExprOps(e){const
t=this.state.start,r=this.state.startLoc,n=this.state.potentialArrowAt,i=this.parseMaybeUnary(e);return
this.shouldExitDescending(i,n)?i:this.parseExprOp(i,t,r,-1)}parseExprOp(e,t,r,n){let
i=this.state.type.binop;if(null!=i&&(this.prodParam.hasIn||!this.match(o._in))&&i>n){const
s=this.state.type;if(s===o.pipeline){if(this.expectPlugin(\\\"pipelineOperator\\\"),this.state.inFSharpPipelineDirectB
ody)return e;this.state.inPipeline=!0,this.checkPipelineAtInfixOperator(e,t)}const
a=this.startNodeAt(t,r);a.left=e,a.operator=this.state.value;const
l=s===o.logicalOR||s===o.logicalAND,c=s===o.nullishCoalescing;if(c&&(i=o.logicalAND.binop),this.next(),s===
o.pipeline&&\\\"minimal\\\"===this.getPluginOption(\\\"pipelineOperator\\\",\\\"proposal\\\")&&this.match(o.name)
&&\\\"await\\\"===this.state.value&&this.prodParam.hasAwait)throw
this.raise(this.state.start,T.UnexpectedAwaitAfterPipelineBody);a.right=this.parseExprOpRightExpr(s,i),this.finishN
ode(a,l|c?\\\"LogicalExpression\\\":\\\"BinaryExpression\\\");const
p=this.state.type;if(c&&(p===o.logicalOR||p===o.logicalAND)||l&&p===o.nullishCoalescing)throw
this.raise(this.state.start,T.MixingCoalesceWithLogical);return this.parseExprOp(a,t,r,n)}return
e}parseExprOpRightExpr(e,t){const r=this.state.start,n=this.state.startLoc;switch(e){case
o.pipeline:switch(this.getPluginOption(\\\"pipelineOperator\\\",\\\"proposal\\\")){case\\\"smart\\\":return
this.withTopicPermittingContext(=>this.parseSmartPipelineBody(this.parseExprOpBaseRightExpr(e,t),r,n));case\\
\\fsharp\\\":return this.withSoloAwaitPermittingContext(=>this.parseFSharpPipelineBody(t))}default:return
this.parseExprOpBaseRightExpr(e,t)}parseExprOpBaseRightExpr(e,t){const
r=this.state.start,n=this.state.startLoc;return this.parseExprOp(this.parseMaybeUnary(),r,n,e.rightAssociative?t-
1:t)}checkExponentialAfterUnary(e){this.match(o.exponent)&&this.raise(e.argument.start,T.UnexpectedTokenUna
ryExponentiation)}parseMaybeUnary(e,t){const
r=this.state.start,n=this.state.startLoc,i=this.isContextual(\\\"await\\\");if(i&&this.isAwaitAllowed()){this.next();con
st e=this.parseAwait(r,n);return
t|this.checkExponentialAfterUnary(e,e)}if(this.isContextual(\\\"module\\\")&&123===this.lookaheadCharCode())&
&!this.hasFollowingLineBreak())return this.parseModuleExpression();const
s=this.match(o.incDec),a=this.startNode();if(this.state.type.prefix){a.operator=this.state.value,a.prefix=!0,this.match
(o._throw)&&this.expectPlugin(\\\"throwExpressions\\\");const
r=this.match(o._delete);if(this.next(),a.argument=this.parseMaybeUnary(null,!0),this.checkExpressionErrors(e,!0),th
is.state.strict&&r){const
e=a.argument;\\\"Identifier\\\"===e.type?this.raise(a.start,T.StrictDelete):this.hasPropertyAsPrivateName(e)&&this.
raise(a.start,T.DeletePrivateField)}if(!s)return
t|this.checkExponentialAfterUnary(a),this.finishNode(a,\\\"UnaryExpression\\\")}const
l=this.parseUpdate(a,s,e);if(i){if((this.hasPlugin(\\\"v8intrinsic\\\")?this.state.type.startsExpr:this.state.type.startsExp
r&&!this.match(o.modulo))&&!this.isAmbiguousAwait())return
this.raiseOverwrite(r,this.hasPlugin(\\\"topLevelAwait\\\")?T.AwaitNotInAsyncContext:T.AwaitNotInAsyncFuncio
n),this.parseAwait(r,n)}return l}parseUpdate(e,t,r){if(t)return this.checkLVal(e.argument,\\\"prefix
operation\\\"),this.finishNode(e,\\\"UpdateExpression\\\");const n=this.state.start,i=this.state.startLoc;let
s=this.parseExprSubscripts(r);if(this.checkExpressionErrors(r,!1))return
s;for(;this.state.type.postfix&&!this.canInsertSemicolon());{const
e=this.startNodeAt(n,i);e.operator=this.state.value,e.prefix=!1,e.argument=s,this.checkLVal(s,\\\"postfix
operation\\\"),this.next(),s=this.finishNode(e,\\\"UpdateExpression\\\")}return s}parseExprSubscripts(e){const
t=this.state.start,r=this.state.startLoc,n=this.state.potentialArrowAt,i=this.parseExprAtom(e);return
this.shouldExitDescending(i,n)?i:this.parseSubscripts(i,t,r)}parseSubscripts(e,t,r,n){const
i={optionalChainMember:!1,maybeAsyncArrow:this.atPossibleAsyncArrow(e),stop:!1};do{e=this.parseSubscript(e,

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t,r,n,i),i.maybeAsyncArrow=!1}while(!i.stop);return
e}parseSubscript(e,t,r,n,i){if(!n&&this.eat(o.doubleColon))return
this.parseBind(e,t,r,n,i);if(this.match(o.backQuote))return this.parseTaggedTemplateExpression(e,t,r,i);let
s=!1;if(this.match(o.questionDot)){if(n&&40===this.lookaheadCharCode())return
i.stop=!0,e;i.optionalChainMember=s=!0,this.next()}return!n&&this.match(o.parenL)?this.parseCoverCallAndAsyn
cArrowHead(e,t,r,i,s):s||this.match(o.bracketL)||this.eat(o.dot)?this.parseMember(e,t,r,i,s):(i.stop=!0,e)}parseMemb
er(e,t,r,n,i){const s=this.startNodeAt(t,r),a=this.eat(o.bracketL);s.object=e,s.computed=a;const
l=!a&&this.match(o.privateName)&&this.state.value,c=a?this.parseExpression():!this.parsePrivateName():this.pars
eIdentifier(!0);return!l===l&&(("Super\\"===s.object.type&&this.raise(t,T.SuperPrivateField),this.classScope.use
PrivateName(l,c.start)),s.property=c,a&&this.expect(o.bracketR),n.optionalChainMember?(s.optional=i,this.finishN
ode(s,\\"OptionalMemberExpression\\"):this.finishNode(s,\\"MemberExpression\\"))}parseBind(e,t,r,n,i){const
s=this.startNodeAt(t,r);return
s.object=e,s.callee=this.parseNoCallExpr(),i.stop=!0,this.parseSubscripts(this.finishNode(s,\\"BindExpression\\"),t,
r,n)}parseCoverCallAndAsyncArrowHead(e,t,r,n,i){const
s=this.state.maybeInArrowParameters;this.state.maybeInArrowParameters=!0,this.next();let
a=this.startNodeAt(t,r);return a.callee=e,n.maybeAsyncArrow&&this.expressionScope.enter(new
Ce(2)),n.optionalChainMember&&(a.optional=i),a.arguments=i?this.parseCallExpressionArguments(o.parenR,!1):t
his.parseCallExpressionArguments(o.parenR,n.maybeAsyncArrow,\\"Import\\"===e.type,\\"Super\\"!==e.type,a),
this.finishCallExpression(a,n.optionalChainMember),n.maybeAsyncArrow&&this.shouldParseAsyncArrow()&&!i?
(n.stop=!0,this.expressionScope.validateAsPattern(),this.expressionScope.exit(),a=this.parseAsyncArrowFromCalle
xpression(this.startNodeAt(t,r),a):(n.maybeAsyncArrow&&this.expressionScope.exit(),this.toReferencedArgument
s(a)),this.state.maybeInArrowParameters=s,a)toReferencedArguments(e,t){this.toReferencedListDeep(e.arguments,
t)}parseTaggedTemplateExpression(e,t,r,n){const i=this.startNodeAt(t,r);return
i.tag=e,i.quasi=this.parseTemplate(!0),n.optionalChainMember&&this.raise(t,T.OptionalChainingNoTemplate),this.
finishNode(i,\\"TaggedTemplateExpression\\")atPossibleAsyncArrow(e){return\\"Identifier\\"===e.type&&\\"a
sync\\"===e.name&&this.state.lastTokEnd===e.end&&!this.canInsertSemicolon()&&e.end-
e.start===5&&e.start===this.state.potentialArrowAt}finishCallExpression(e,t){if(\\"Import\\"===e.callee.type)if(2=
===e.arguments.length&&(this.hasPlugin(\\"moduleAttributes\\")||this.expectPlugin(\\"importAssertions\\")),0===
e.arguments.length|e.arguments.length>2)this.raise(e.start,T.ImportCallArity,this.hasPlugin(\\"importAssertions\\")
)||this.hasPlugin(\\"moduleAttributes\\")?\\"one or two arguments\\":\\"one argument\\");else for(const t of
e.arguments)\\"SpreadElement\\"===t.type&&this.raise(t.start,T.ImportCallSpreadArgument);return
this.finishNode(e,t?\\"OptionalCallExpression\\":\\"CallExpression\\")}parseCallExpressionArguments(e,t,r,n,i){c
onst s=[];let a=!0;const
l=this.state.inFSharpPipelineDirectBody;for(this.state.inFSharpPipelineDirectBody=!1;!this.eat(e);){if(a)a=!1;else
if(this.expect(o.comma),this.match(e)){!r||this.hasPlugin(\\"importAssertions\\")||this.hasPlugin(\\"moduleAttribu
tes\\")||this.raise(this.state.lastTokStart,T.ImportCallArgumentTrailingComma),i&&this.addExtra(i,\\"trailingComm
a\\",this.state.lastTokStart),this.next();break}s.push(this.parseExprListItem(!1,t?new De:void 0,t:{start:0}:void
0,n))}return this.state.inFSharpPipelineDirectBody=l,s}shouldParseAsyncArrow()return
this.match(o.arrow)&&!this.canInsertSemicolon()}parseAsyncArrowFromCallExpression(e,t){var r;return
this.expect(o.arrow),this.parseArrowExpression(e,t.arguments,!0,null==(r=t.extra)?void
0:r.trailingComma),e}parseNoCallExpr(){const e=this.state.start,t=this.state.startLoc;return
this.parseSubscripts(this.parseExprAtom(),e,t,!0)}parseExprAtom(e){this.state.type===o.slash&&this.readRegexp()
;const t=this.state.potentialArrowAt===this.state.start;let r;switch(this.state.type){case o._super:return
this.parseSuper();case o._import:return
r=this.startNode(),this.next(),this.match(o.dot)?this.parseImportMetaProperty(r):(this.match(o.parenL)||this.raise(this
.state.lastTokStart,T.UnsupportedImport),this.finishNode(r,\\"Import\\"));case o._this:return
r=this.startNode(),this.next(),this.finishNode(r,\\"ThisExpression\\");case o.name:{const
e=this.state.containsEsc,r=this.parseIdentifier();if(!e&&\\"async\\"===r.name&&!this.canInsertSemicolon())if(thi

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s.match(o._function)){const e=this.state.context.length-1;if(this.state.context[e]!==x.functionStatement)throw new
Error(\\\"Internal error\\\");return
this.state.context[e]=x.functionExpression,this.next(),this.parseFunction(this.startNodeAtNode(r),void
0,!0)}if(this.match(o.name))return
61===this.lookaheadCharCode()?this.parseAsyncArrowUnaryFunction(r):r;if(this.match(o._do))return
this.parseDo(!0)}return
t&&this.match(o.arrow)&&!this.canInsertSemicolon()?(this.next(),this.parseArrowExpression(this.startNodeAtNode
e(r),[r,!1]):r}case o._do:return this.parseDo(!1);case o.regexp:{const e=this.state.value;return
r=this.parseLiteral(e.value,\\\"RegExpLiteral\\\"),r.pattern=e.pattern,r.flags=e.flags,r}case o.num:return
this.parseLiteral(this.state.value,\\\"NumericLiteral\\\");case o.bigint:return
this.parseLiteral(this.state.value,\\\"BigIntLiteral\\\");case o.decimal:return
this.parseLiteral(this.state.value,\\\"DecimalLiteral\\\");case o.string:return
this.parseLiteral(this.state.value,\\\"StringLiteral\\\");case o._null:return
r=this.startNode(),this.next(),this.finishNode(r,\\\"NullLiteral\\\");case o._true:case o._false:return
this.parseBooleanLiteral();case o.parenL:return this.parseParenAndDistinguishExpression(t);case
o.bracketBarL:case o.bracketHashL:return
this.parseArrayLike(this.state.type===o.bracketBarL?o.bracketBarR:o.bracketR,!1,!0,e);case o.bracketL:return
this.parseArrayLike(o.bracketR,!0,!1,e);case o.braceBarL:case o.braceHashL:return
this.parseObjectLike(this.state.type===o.braceBarL?o.braceBarR:o.braceR,!1,!0,e);case o.braceL:return
this.parseObjectLike(o.braceR,!1,!1,e);case o._function:return this.parseFunctionOrFunctionSent();case
o.at:this.parseDecorators();case o._class:return r=this.startNode(),this.takeDecorators(r),this.parseClass(r,!1);case
o._new:return this.parseNewOrNewTarget();case o.backQuote:return this.parseTemplate(!1);case
o.doubleColon:{r=this.startNode(),this.next(),r.object=null;const
e=r.callee=this.parseNoCallExpr();if(\\\"MemberExpression\\\"===e.type)return
this.finishNode(r,\\\"BindExpression\\\");throw this.raise(e.start,T.UnsupportedBind)}case o.privateName:{const
e=this.state.start,t=this.state.value;if(r=this.parsePrivateName(),this.match(o._in))this.expectPlugin(\\\"privateIn\\\"),
this.classScope.usePrivateName(t,r.start);else{if(!this.hasPlugin(\\\"privateIn\\\"))throw
this.unexpected(e);this.raise(this.state.start,T.PrivateInExpectedIn,t)}return r}case
o.hash:if(this.state.inPipeline)return
r=this.startNode(),\\\"smart\\\"!==this.getPluginOption(\\\"pipelineOperator\\\",\\\"proposal\\\")&&this.raise(r.start,T
.PrimaryTopicRequiresSmartPipeline),this.next(),this.primaryTopicReferenceIsAllowedInCurrentTopicContext()||th
is.raise(r.start,T.PrimaryTopicNotAllowed),this.registerTopicReference(),this.finishNode(r,\\\"PipelinePrimaryTopic
Reference\\\");case o.relational:if(\\\"<\\\"===this.state.value){const
e=this.input.codePointAt(this.nextTokenStart());(C(e)||62===e)&&this.expectOnePlugin([\\\"jsx\\\",\\\"flow\\\",\\\"ty
pescrypt\\\"])}default:throw this.unexpected()} } parseAsyncArrowUnaryFunction(e){const
t=this.startNodeAtNode(e);this.prodParam.enter(oe,!0,this.prodParam.hasYield);const
r=[this.parseIdentifier()];return
this.prodParam.exit(),this.hasPrecedingLineBreak()&&this.raise(this.state.pos,T.LineTerminatorBeforeArrow),this.e
xpect(o.arrow),this.parseArrowExpression(t,r,!0,t)}parseDo(e){this.expectPlugin(\\\"doExpressions\\\"),e&&this.ex
pectPlugin(\\\"asyncDoExpressions\\\");const t=this.startNode();t.async=e,this.next();const r=this.state.labels;return
this.state.labels=[],e?(this.prodParam.enter(2),t.body=this.parseBlock(),this.prodParam.exit():t.body=this.parseBloc
k(),this.state.labels=r,this.finishNode(t,\\\"DoExpression\\\"))}parseSuper(){const e=this.startNode();return
this.next(),!this.match(o.parenL)||this.scope.allowDirectSuper||this.options.allowSuperOutsideMethod?this.scope.all
owSuper||this.options.allowSuperOutsideMethod||this.raise(e.start,T.UnexpectedSuper):this.raise(e.start,T.SuperNot
Allowed),this.match(o.parenL)||this.match(o.bracketL)||this.match(o.dot)||this.raise(e.start,T.UnsupportedSuper),this
.finishNode(e,\\\"Super\\\")}parseBooleanLiteral(){const e=this.startNode();return
e.value=this.match(o._true),this.next(),this.finishNode(e,\\\"BooleanLiteral\\\")}parseMaybePrivateName(e){return
this.match(o.privateName)?e||this.raise(this.state.start+1,T.UnexpectedPrivateField),this.parsePrivateName():this.p

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arseIdentifier(!0)}parsePrivateName(){const e=this.startNode(),t=this.startNodeAt(this.state.start+1,new
h(this.state.curLine,this.state.start+1-this.state.lineStart)),r=this.state.value;return
this.next(),e.id=this.createIdentifier(t,r),this.finishNode(e,\\\\"PrivateName\\\\")}parseFunctionOrFunctionSent(){cons
t e=this.startNode();if(this.next(),this.prodParam.hasYield&&this.match(o.dot)){const
t=this.createIdentifier(this.startNodeAtNode(e),\\\\"function\\\\");return
this.next(),this.parseMetaProperty(e,t,\\\\"sent\\\\")}return
this.parseFunction(e)}parseMetaProperty(e,t,r){e.meta=t,\\\\"function\\\\"===t.name&&\\\\"sent\\\\"===r&&(this.isCon
textual(r)?this.expectPlugin(\\\\"functionSent\\\\"):this.hasPlugin(\\\\"functionSent\\\\"))||this.unexpected();const
n=this.state.containsEsc;return
e.property=this.parseIdentifier(!0),(e.property.name!==r||n)&&this.raise(e.property.start,T.UnsupportedMetaPropert
y,t.name,r),this.finishNode(e,\\\\"MetaProperty\\\\")}parseImportMetaProperty(e){const
t=this.createIdentifier(this.startNodeAtNode(e),\\\\"import\\\\");return
this.next(),this.isContextual(\\\\"meta\\\\")&&(this.inModule||this.raise(t.start,b.ImportMetaOutsideModule),this.sawU
nambiguousESM=!0),this.parseMetaProperty(e,t,\\\\"meta\\\\")}parseLiteral(e,t,r,n){r=r||this.state.start,n=n||this.state.s
tartLoc;const i=this.startNodeAt(r,n);return
this.addExtra(i,\\\\"rawValue\\\\"),e,this.addExtra(i,\\\\"raw\\\\"),this.input.slice(r,this.state.end),i.value=e,this.next(),thi
s.finishNode(i,t)}parseParenAndDistinguishExpression(e){const t=this.state.start,r=this.state.startLoc;let
n;this.next(),this.expressionScope.enter(new Ce(1));const
i=this.state.maybeInArrowParameters,s=this.state.inFSharpPipelineDirectBody;this.state.maybeInArrowParameters
=!0,this.state.inFSharpPipelineDirectBody=!1;const a=this.state.start,l=this.state.startLoc,c=[],p=new
De,u={start:0};let d,h,f=!0;for(;!this.match(o.parenR);){if(f)f=!1;else
if(this.expect(o.comma,u.start||null),this.match(o.parenR)){h=this.state.start;break}if(this.match(o.ellipsis)){const
e=this.state.start,t=this.state.startLoc;d=this.state.start,c.push(this.parseParenItem(this.parseRestBinding(),e,t)),this.c
heckCommaAfterRest(41);break}c.push(this.parseMaybeAssignAllowIn(p,this.parseParenItem,u))}const
m=this.state.lastTokEnd,y=this.state.lastTokEndLoc;this.expect(o.parenR),this.state.maybeInArrowParameters=i,thi
s.state.inFSharpPipelineDirectBody=s;let
T=this.startNodeAt(t,r);if(e&&this.shouldParseArrow())&&(T=this.parseArrow(T))return
this.expressionScope.validateAsPattern(),this.expressionScope.exit(),this.parseArrowExpression(T,c,!1),T;if(this.ex
pressionScope.exit(),c.length||this.unexpected(this.state.lastTokStart),h&&this.unexpected(h),d&&this.unexpected(d
),this.checkExpressionErrors(p,!0),u.start&&this.unexpected(u.start),this.toReferencedListDeep(c,!0),c.length>1?(n
=this.startNodeAt(a,l),n.expressions=c,this.finishNodeAt(n,\\\\"SequenceExpression\\\\"),m,y):n=c[0],!this.options.cre
ateParenthesizedExpressions)return
this.addExtra(n,\\\\"parenthesized\\\\"),!0),this.addExtra(n,\\\\"parenStart\\\\"),t,n;const b=this.startNodeAt(t,r);return
b.expression=n,this.finishNode(b,\\\\"ParenthesizedExpression\\\\"),b}shouldParseArrow(){return!this.canInsertSemic
olon()}parseArrow(e){if(this.eat(o.arrow))return e}parseParenItem(e,t,r){return e}parseNewOrNewTarget(){const
e=this.startNode();if(this.next(),this.match(o.dot)){const
t=this.createIdentifier(this.startNodeAtNode(e),\\\\"new\\\\");this.next();const
r=this.parseMetaProperty(e,t,\\\\"target\\\\");return
this.scope.inNonArrowFunction||this.scope.inClass||this.raise(r.start,T.UnexpectedNewTarget),r}return
this.parseNew(e)}parseNew(e){return
e.callee=this.parseNoCallExpr(),\\\\"Import\\\\"===e.callee.type?this.raise(e.callee.start,T.ImportCallNotNewExpressi
on):this.isOptionalChain(e.callee)?this.raise(this.state.lastTokEnd,T.OptionalChainingNoNew):this.eat(o.questionD
ot)&&this.raise(this.state.start,T.OptionalChainingNoNew),this.parseNewArguments(e),this.finishNode(e,\\\\"NewE
xpression\\\\")}parseNewArguments(e){if(this.eat(o.parenL)){const
t=this.parseExprList(o.parenR);this.toReferencedList(t),e.arguments=t}else
e.arguments=[]}parseTemplateElement(e){const t=this.startNode();return
null===this.state.value&&(e||this.raise(this.state.start+1,T.InvalidEscapeSequenceTemplate)),t.value={raw:this.inpu
t.slice(this.state.start,this.state.end).replace(/\\\\"r\\\\"n?/g,\\\\"\\\\"n\\\\"),cooked:this.state.value},this.next(),t.tail=this.mat

```

```

ch(o.backQuote),this.finishNode(t,\\\\"TemplateElement\\\\"})parseTemplate(e){const
t=this.startNode();this.next(),t.expressions=[];let
r=this.parseTemplateElement(e);for(t.quasis=[r];!r.tail;)this.expect(o.dollarBraceL),t.expressions.push(this.parseTe
mplateSubstitution()),this.expect(o.braceR),t.quasis.push(r=this.parseTemplateElement(e));return
this.next(),this.finishNode(t,\\\\"TemplateLiteral\\\\"})parseTemplateSubstitution(){return
this.parseExpression()}parseObjectLike(e,t,r,n){r&&this.expectPlugin(\\\\"recordAndTuple\\\\"");const
i=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!1;const s=Object.create(null);let
a=!0;const l=this.startNode();for(l.properties=[],this.next();!this.match(e);){if(a=!1;else
if(this.expect(o.comma),this.match(e)){this.addExtra(l,\\\\"trailingComma\\\\"",this.state.lastTokStart);break}const
i=this.parsePropertyDefinition(t,n);t||this.checkProto(i,r,s,n),r&&!this.isObjectProperty(i)&&\\\\"SpreadElement\\\\"!
==i.type&&this.raise(i.start,T.InvalidRecordProperty),i.shorthand&&this.addExtra(i,\\\\"shorthand\\\\"",!0),l.properties
.push(i)}this.state.exprAllowed=!1,this.next(),this.state.inFSharpPipelineDirectBody=i;let
c=\\\\"ObjectExpression\\\\"";return
t?c=\\\\"ObjectPattern\\\\"":r&&(c=\\\\"RecordExpression\\\\""),this.finishNode(l,c)}maybeAsyncOrAccessorProp(e){ret
urn!e.computed&&\\\\"Identifier\\\\"===e.key.type&&(this.isLiteralPropertyName())||this.match(o.bracketL)||this.mat
ch(o.star))}parsePropertyDefinition(e,t){let
r=[];if(this.match(o.at))for(this.hasPlugin(\\\\"decorators\\\\"")&&this.raise(this.state.start,T.UnsupportedPropertyDeco
rator);this.match(o.at);)r.push(this.parseDecorator());const n=this.startNode();let
i,s,a=!1,l=!1,c=!1;if(this.match(o.ellipsis))return
r.length&&this.unexpected(),e?(this.next(),n.argument=this.parseIdentifier(),this.checkCommaAfterRest(125),this.fi
nishNode(n,\\\\"RestElement\\\\")):this.parseSpread();r.length&&(n.decorators=r,r=[]),n.method=!1,(e|t)&&(i=this.st
ate.start,s=this.state.startLoc),e|(a=this.eat(o.star));const
p=this.state.containsEsc,u=this.parsePropertyName(n,!1);if(!e&&!a&&!p&&this.maybeAsyncOrAccessorProp(n)){
const
e=u.name;\\\\"async\\\\"!=e||this.hasPrecedingLineBreak()|(l=!0,a=this.eat(o.star),this.parsePropertyName(n,!1)),\\\\"
get\\\\"!=e&&\\\\"set\\\\"!=e|(c=!0,n.kind=e,this.match(o.star)&&(a=!0,this.raise(this.state.pos,T.AccessorIsGenerat
or,e),this.next()),this.parsePropertyName(n,!1))}return
this.parseObjPropValue(n,i,s,a,l,e,c,t),n}getterSetterExpectedParamCount(e){return\\\\"get\\\\"===e.kind?0:1}get
ObjectOrClassMethodParams(e){return e.params}checkGetterSetterParams(e){var t;const
r=this.getGetterSetterExpectedParamCount(e),n=this.getObjectOrClassMethodParams(e),i=e.start;n.length!=r&&(\\
\\get\\\\"===e.kind?this.raise(i,T.BadGetterArity):this.raise(i,T.BadSetterArity)),\\\\"set\\\\"===e.kind&&\\\\"RestEle
ment\\\\"===e.kind?(null==(t=n[n.length-1])?void
0:t.type)&&this.raise(i,T.BadSetterRestParameter)}parseObjectMethod(e,t,r,n,i){return
i?(this.parseMethod(e,t,!1,!1,\\\\"ObjectMethod\\\\""),this.checkGetterSetterParams(e),e:r|t||this.match(o.parenL)?(
n&&this.unexpected(),e.kind=\\\\"method\\\\"",e.method=!0,this.parseMethod(e,t,r,!1,!1,\\\\"ObjectMethod\\\\")):void
0}parseObjectProperty(e,t,r,n,i){return
e.shorthand=!1,this.eat(o.colon)?(e.value=n?this.parseMaybeDefault(this.state.start,this.state.startLoc):this.parseMa
ybeAssignAllowIn(i),this.finishNode(e,\\\\"ObjectProperty\\\\")):e.computed||\\\\"Identifier\\\\"!=e.key.type?void
0:(this.checkReservedWord(e.key.name,e.key.start,!0,!1),n?e.value=this.parseMaybeDefault(t,r,e.key.__clone()):thi
s.match(o.eq)&&i?(-
l===i.shorthandAssign&&(i.shorthandAssign=this.state.start),e.value=this.parseMaybeDefault(t,r,e.key.__clone()))
:e.value=e.key.__clone(),e.shorthand=!0,this.finishNode(e,\\\\"ObjectProperty\\\\"))}parseObjPropValue(e,t,r,n,i,s,a,o
){const l=this.parseObjectMethod(e,n,i,s,a)||this.parseObjectProperty(e,t,r,s,o);return
l||this.unexpected(),l}parsePropertyName(e,t){if(this.eat(o.bracketL))e.computed=!0,e.key=this.parseMaybeAssign
AllowIn(),this.expect(o.bracketR);else{const r=this.state.inPropertyName;this.state.inPropertyName=!0;const
n=this.state.type;e.key=n===o.num||n===o.string||n===o.bigint||n===o.decimal?this.parseExprAtom():this.parseMa
ybePrivateName(t),n!==o.privateName&&(e.computed=!1),this.state.inPropertyName=r}return
e.key}initFunction(e,t){e.id=null,e.generator=!1,e.async=!t}parseMethod(e,t,r,n,i,s,a=!1){this.initFunction(e,r),e.ge

```

```

nerator=!t;const o=n;return
this.scope.enter(18|(a?64:0)|(i?32:0)),this.prodParam.enter(oe(r,e.generator)),this.parseFunctionParams(e,o),this.parseFunctionBodyAndFinish(e,s,!0),this.prodParam.exit(),this.scope.exit(),e } parseArrayLike(e,t,r,n){r&&this.expectPlugin(\\\\"recordAndTuple\\\\");const
i=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!1;const s=this.startNode();return
this.next(),s.elements=this.parseExprList(e,lr,n,s),this.state.inFSharpPipelineDirectBody=i,this.finishNode(s,r?\\\\"TupleExpression\\\\":\\\\"ArrayExpression\\\\")} parseArrowExpression(e,t,r,n){this.scope.enter(6);let
i=oe(r,!1);!this.match(o.bracketL)&&this.prodParam.hasIn&&(i|=8),this.prodParam.enter(i),this.initFunction(e,r);const s=this.state.maybeInArrowParameters;return
t&&(this.state.maybeInArrowParameters=!0,this.setArrowFunctionParameters(e,t,n)),this.state.maybeInArrowParameters=!1,this.parseFunctionBody(e,!0),this.prodParam.exit(),this.scope.exit(),this.state.maybeInArrowParameters=s,this.finishNode(e,\\\\"ArrowFunctionExpression\\\\")} setArrowFunctionParameters(e,t,r){e.params=this.toAssignableList(t,r,!1)} parseFunctionBodyAndFinish(e,t,r=!1){this.parseFunctionBody(e,!1,r),this.finishNode(e,t)} parseFunctionBody(e,t,r=!1){const
n=t&&!this.match(o.braceL);if(this.expressionScope.enter(ke()),n)e.body=this.parseMaybeAssign(),this.checkParams(e,!1,t,!1);else{const
n=this.state.strict,i=this.state.labels;this.state.labels=[],this.prodParam.enter(4|this.prodParam.currentFlags()),e.body=this.parseBlock(!0,!1,i=>{const s=!this.isSimpleParamList(e.params);if(i&&s){const
t=\\\\"method\\\\"!==e.kind&&\\\\"constructor\\\\"!==e.kind||!e.key?e.start:e.key.end;this.raise(t,T.IllegalLanguageModeDirective)}const
a=!n&&this.state.strict;this.checkParams(e,!(this.state.strict||t||r||s),t,a),this.state.strict&&e.id&&this.checkLVal(e.id,\\\\"function name\\\\",65,void 0,void
0,a)},this.prodParam.exit(),this.expressionScope.exit(),this.state.labels=i)} isSimpleParamList(e){for(let
t=0,r=e.length;t<r;t++)if(\\\\"Identifier\\\\"!==e[t].type)return!1;return!0} checkParams(e,t,r,n=!0){const i=new Set;for(const r of e.params)this.checkLVal(r,\\\\"function parameter list\\\\",5,t?null:i,void
0,n)} parseExprList(e,t,r,n){const i=[];let s=!0;for(;!this.eat(e);){if(s=!1;else
if(this.expect(o.comma),this.match(e)){n&&this.addExtra(n,\\\\"trailingComma\\\\",this.state.lastTokStart),this.next();break }i.push(this.parseExprListItem(t,r))}return i} parseExprListItem(e,t,r,n){let
i;if(this.match(o.comma)e||this.raise(this.state.pos,T.UnexpectedToken,\\\\"\\\\"),i=null;else
if(this.match(o.ellipsis)){const
e=this.state.start,n=this.state.startLoc;i=this.parseParenItem(this.parseSpread(t,r),e,n)} else
if(this.match(o.question)){this.expectPlugin(\\\\"partialApplication\\\\"),n||this.raise(this.state.start,T.UnexpectedArgumentPlaceholder);const e=this.startNode();this.next(),i=this.finishNode(e,\\\\"ArgumentPlaceholder\\\\")}else
i=this.parseMaybeAssignAllowIn(t,this.parseParenItem,r);return i} parseIdentifier(e){const
t=this.startNode(),r=this.parseIdentifierName(t.start,e);return this.createIdentifier(t,r)} createIdentifier(e,t){return
e.name=t,e.loc.identifierName=t,this.finishNode(e,\\\\"Identifier\\\\")} parseIdentifierName(e,t){let
r;const {start:n,type:i}=this.state;if(i===o.name)r=this.state.value;else {if(!i.keyword)throw
this.unexpected();{r=i.keyword;const
e=this.curContext();i!==o._class&&i!==o._function||e!==x.functionStatement&&e!==x.functionExpression||this.state.context.pop()}} return
t?this.state.type=o.name:this.checkReservedWord(r,n,!i.keyword,!1),this.next(),r} checkReservedWord(e,t,r,n){if(this.prodParam.hasYield&&\\\\"yield\\\\"===e)return void
this.raise(t,T.YieldBindingIdentifier);if(\\\\"await\\\\"===e){if(this.prodParam.hasAwait)return void
this.raise(t,T.AwaitBindingIdentifier);if(this.scope.inStaticBlock&&!this.scope.inNonArrowFunction)return void
this.raise(t,T.AwaitBindingIdentifierInStaticBlock);this.expressionScope.recordAsyncArrowParametersError(t,T.AwaitBindingIdentifier)}if(this.scope.inClass&&!this.scope.inNonArrowFunction&&\\\\"arguments\\\\"===e)return
void this.raise(t,T.ArgumentsInClass);if(r&&U(e))return void
this.raise(t,T.UnexpectedKeyword,e);(this.state.strict?n?B:F:j)(e,this.inModule)&&this.raise(t,T.UnexpectedReserve

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dWord,e)}isAwaitAllowed(){return!!this.prodParam.hasAwait||(!this.options.allowAwaitOutsideFunction||this.scope
e.inFunction)}parseAwait(e,t){const r=this.startNodeAt(e,t);return
this.expressionScope.recordParameterInitializerError(r.start,T.AwaitExpressionFormalParameter),this.eat(o.star)&&
this.raise(r.start,T.ObsoleteAwaitStar),this.scope.inFunction||this.options.allowAwaitOutsideFunction||(this.isAmbig
uousAwait()?this.ambiguousScriptDifferentAst=!0:this.sawUnambiguousESM=!0),this.state.soloAwait||(r.argument
=this.parseMaybeUnary(null,!0)),this.finishNode(r,/"AwaitExpression"/)}isAmbiguousAwait(){return
this.hasPrecedingLineBreak()||this.match(o.plusMin)||this.match(o.parenL)||this.match(o.bracketL)||this.match(o.bac
kQuote)||this.match(o.regexp)||this.match(o.slash)||this.hasPlugin(/"v8intrinsic"/)&&this.match(o.modulo)}parse
Yield(){const e=this.startNode();return
this.expressionScope.recordParameterInitializerError(e.start,T.YieldInParameter),this.next(),this.match(o.semi)||!this
.match(o.star)&&!this.state.type.startsExpr||this.hasPrecedingLineBreak()?(e.delegate=!1,e.argument=null):(e.deleg
ate=this.eat(o.star),e.argument=this.parseMaybeAssign()),this.finishNode(e,/"YieldExpression"/)}checkPipeline
AtInfixOperator(e,t){/"smart"/===this.getPluginOption(/"pipelineOperator"/,/"proposal"/)&&/"SequenceE
xpression"/===e.type&&this.raise(t,T.PipelineHeadSequenceExpression)}parseSmartPipelineBody(e,t,r){return
this.checkSmartPipelineBodyEarlyErrors(e,t),this.parseSmartPipelineBodyInStyle(e,t,r)}checkSmartPipelineBodyE
arlyErrors(e,t){if(this.match(o.arrow))throw
this.raise(this.state.start,T.PipelineBodyNoArrow);/"SequenceExpression"/===e.type&&this.raise(t,T.PipelineBo
dySequenceExpression)}parseSmartPipelineBodyInStyle(e,t,r){const
n=this.startNodeAt(t,r),i=this.isSimpleReference(e);return
i?n.callee=e:(this.topicReferenceWasUsedInCurrentTopicContext())||this.raise(t,T.PipelineTopicUnused),n.expressio
n=e,this.finishNode(n,i?/"PipelineBareFunction"/:/"PipelineTopicExpression"/)}isSimpleReference(e){switch
(e.type){case/"MemberExpression"/:return!e.computed&&this.isSimpleReference(e.object);case/"Identifier"/:r
eturn!0;default:return!1}}withTopicPermittingContext(e){const
t=this.state.topicContext;this.state.topicContext={maxNumOfResolvableTopics:1,maxTopicIndex:null};try{return
e()}finally{this.state.topicContext=t}}withTopicForbiddingContext(e){const
t=this.state.topicContext;this.state.topicContext={maxNumOfResolvableTopics:0,maxTopicIndex:null};try{return
e()}finally{this.state.topicContext=t}}withSoloAwaitPermittingContext(e){const
t=this.state.soloAwait;this.state.soloAwait=!0;try{return e()}finally{this.state.soloAwait=t}}allowInAnd(e){const
t=this.prodParam.currentFlags();if(8&~t){this.prodParam.enter(8|t);try{return
e()}finally{this.prodParam.exit()}}return e()}disallowInAnd(e){const
t=this.prodParam.currentFlags();if(8&t){this.prodParam.enter(-9&t);try{return
e()}finally{this.prodParam.exit()}}return
e()}registerTopicReference(){this.state.topicContext.maxTopicIndex=0}primaryTopicReferenceIsAllowedInCurrent
TopicContext(){return
this.state.topicContext.maxNumOfResolvableTopics>=1}topicReferenceWasUsedInCurrentTopicContext(){return
null!=this.state.topicContext.maxTopicIndex&&this.state.topicContext.maxTopicIndex>=0}parseFSharpPipelineBo
dy(e){const t=this.state.start,r=this.state.startLoc;this.state.potentialArrowAt=this.state.start;const
n=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!0;const
i=this.parseExprOp(this.parseMaybeUnary(),t,r,e);return
this.state.inFSharpPipelineDirectBody=n,i}parseModuleExpression(){this.expectPlugin(/"moduleBlocks"/);const
e=this.startNode();this.next(),this.eat(o.braceL);const t=this.initializeScopes(!0);this.enterInitialScopes();const
r=this.startNode();try{e.body=this.parseProgram(r,o.braceR,/"module"/)}finally{t()}return
this.eat(o.braceR),this.finishNode(e,/"ModuleExpression"/)}{parseTopLevel(e,t){return
e.program=this.parseProgram(t),e.comments=this.state.comments,this.options.tokens&&(e.tokens=function(e){for(l
et t=0;t<e.length;t++){const r=e[t];if(r.type===o.privateName){const{loc:n,start:i,value:s,end:a}=r,l=i+1,c=new
h(n.start.line,n.start.column+1);e.splice(t,1,new
Ae({type:o.hash,value:/"#"/,start:i,end:l,startLoc:n.start,endLoc:c}),new
Ae({type:o.name,value:s,start:l,end:a,startLoc:c,endLoc:n.end})}}}}return

```

```

e}(this.tokens)),this.finishNode(e,\\\\"File\\\\"})parseProgram(e,t=o.eof,r=this.options.sourceType){if(e.sourceType=r
,e.interpreter=this.parseInterpreterDirective(),this.parseBlockBody(e,!0,!0,t),this.inModule&&!this.options.allowUn
declaredExports&&this.scope.undefinedExports.size>0)for(const[e]of
Array.from(this.scope.undefinedExports)){const
t=this.scope.undefinedExports.get(e);this.raise(t,T.ModuleExportUndefined,e)}return
this.finishNode(e,\\\\"Program\\\\"})stmtToDirective(e){const
t=e.expression,r=this.startNodeAt(t.start,t.loc.start),n=this.startNodeAt(e.start,e.loc.start),i=this.input.slice(t.start,t.en
d),s=r.value=i.slice(1,-1);return
this.addExtra(r,\\\\"raw\\\\" ,i),this.addExtra(r,\\\\"raw Value\\\\" ,s),n.value=this.finishNodeAt(r,\\\\"DirectiveLiteral\\\\" ,t.e
nd,t.loc.end),this.finishNodeAt(n,\\\\"Directive\\\\" ,e.end,e.loc.end)}parseInterpreterDirective(){if(!this.match(o.interp
reterDirective))return null;const e=this.startNode();return
e.value=this.state.value,this.next(),this.finishNode(e,\\\\"InterpreterDirective\\\\"})isLet(e){return!this.isContextual(\\
\\let\\\\")&&this.isLetKeyword(e)}isLetKeyword(e){const
t=this.nextTokenStart(),r=this.input.charCodeAt(t);if(92===r||91===r)return!0;if(e)return!1;if(123===r)return!0;if(
C(r)){let e=t+1;for(;N(this.input.charCodeAt(e));)++e;const
r=this.input.slice(t,e);if(!V.test(r))return!0}return!1}parseStatement(e,t){return
this.match(o.at)&&this.parseDecorators(!0),this.parseStatementContent(e,t)}parseStatementContent(e,t){let
r=this.state.type;const n=this.startNode();let i;switch(this.isLet(e)&&(r=o._var,i=\\\\"let\\\\"),r){case o._break:case
o._continue:return this.parseBreakContinueStatement(n,r.keyword);case o._debugger:return
this.parseDebuggerStatement(n);case o._do:return this.parseDoStatement(n);case o._for:return
this.parseForStatement(n);case o._function:if(46===this.lookaheadCharCode())break;return
e&&(this.state.strict?this.raise(this.state.start,T.StrictFunction):\\\\"if\\\\"!==(e&&\\\\"label\\\\"!==(e&&this.raise(this.sta
te.start,T.SloppyFunction))),this.parseFunctionStatement(n,!1,e);case o._class:return
e&&this.unexpected(),this.parseClass(n,!0);case o._if:return this.parseIfStatement(n);case o._return:return
this.parseReturnStatement(n);case o._switch:return this.parseSwitchStatement(n);case o._throw:return
this.parseThrowStatement(n);case o._try:return this.parseTryStatement(n);case o._const:case o._var:return
i=i||this.state.value,e&&\\\\"var\\\\"!==(e&&this.raise(this.state.start,T.UnexpectedLexicalDeclaration),this.parseVarSt
atement(n,i);case o._while:return this.parseWhileStatement(n);case o._with:return this.parseWithStatement(n);case
o.braceL:return this.parseBlock();case o.semi:return this.parseEmptyStatement(n);case o._import:{const
e=this.lookaheadCharCode();if(40===e||46===e)break}case o._export:{let e;return
this.options.allowImportExportEverywhere||t||this.raise(this.state.start,T.UnexpectedImportExport),this.next(),r===o
._import?(e=this.parseImport(n),\\\\"ImportDeclaration\\\\"!==(e.type||e.importKind&&\\\\"value\\\\"!==(e.importKind|(t
his.sawUnambiguousESM=!0)):(e=this.parseExport(n),\\\\"ExportNamedDeclaration\\\\"!==(e.type||e.exportKind&&\\
\\value\\\\"!==(e.exportKind)&&\\\\"ExportAllDeclaration\\\\"!==(e.type||e.exportKind&&\\\\"value\\\\"!==(e.exportKin
d)&&\\\\"ExportDefaultDeclaration\\\\"!==(e.type|(this.sawUnambiguousESM=!0))),this.assertModuleNodeAllowed(n
),e)}default:if(this.isAsyncFunction())return
e&&this.raise(this.state.start,T.AsyncFunctionInSingleStatementContext),this.next(),this.parseFunctionStatement(n,
!0,!e)}const s=this.state.value,a=this.parseExpression();return
r===o.name&&\\\\"Identifier\\\\"===a.type&&this.eat(o.colon)?this.parseLabeledStatement(n,s,a,e):this.parseExpress
ionStatement(n,a)}assertModuleNodeAllowed(e){this.options.allowImportExportEverywhere||this.inModule||this.rai
se(e.start,b.ImportOutsideModule)}takeDecorators(e){const
t=this.state.decoratorStack[this.state.decoratorStack.length-
1];t.length&&(e.decorators=t,this.resetStartLocationFromNode(e,t[0]),this.state.decoratorStack[this.state.decoratorS
tack.length-1]=[])})canHaveLeadingDecorator(){return this.match(o._class)}parseDecorators(e){const
t=this.state.decoratorStack[this.state.decoratorStack.length-1];for(;this.match(o.at);){const
e=this.parseDecorator();t.push(e)}if(this.match(o._export))e||this.unexpected(),this.hasPlugin(\\\\"decorators\\\\")&&!t
his.getPluginOption(\\\\"decorators\\\\" ,\\\\"decoratorsBeforeExport\\\\" )&&this.raise(this.state.start,T.DecoratorExport
Class);else if(!this.canHaveLeadingDecorator())throw

```



```

this.raise(this.state.start, T.UnexpectedLeadingDecorator) } parseDecorator() { this.expectOnePlugin(["decorators-
legacy\\", "\\decorators\\"]); const
e=this.startNode(); if(this.next(), this.hasPlugin(["decorators\\"])) { this.state.decoratorStack.push([]); const
t=this.state.start, r=this.state.startLoc; let n; if(this.eat(o.parenL)) n=this.parseExpression(), this.expect(o.parenR); else
for(n=this.parseIdentifier(!1); this.eat(o.dot);) { const
e=this.startNodeAt(t, r); e.object=n, e.property=this.parseIdentifier(!0), e.computed=!1, n=this.finishNode(e, "\\Membe
rExpression\\")} e.expression=this.parseMaybeDecoratorArguments(n), this.state.decoratorStack.pop() } else
e.expression=this.parseExprSubscripts(); return
this.finishNode(e, "\\Decorator\\")} parseMaybeDecoratorArguments(e) { if(this.eat(o.parenL)) { const
t=this.startNodeAtNode(e); return
t.callee=e, t.arguments=this.parseCallExpressionArguments(o.parenR, !1), this.toReferencedList(t.arguments), this.fini
shNode(t, "\\CallExpression\\")} return e } parseBreakContinueStatement(e, t) { const r=\\\\"break\\\\"===t; return
this.next(), this.isLineTerminator()?e.label=null:(e.label=this.parseIdentifier(), this.semicolon()), this.verifyBreakCont
inue(e, t), this.finishNode(e, r?\\\\"BreakStatement\\\\":\\\\"ContinueStatement\\\\")) verifyBreakContinue(e, t) { const
r=\\\\"break\\\\"===t; let n; for(n=0; n<this.state.labels.length; ++n) { const
t=this.state.labels[n]; if(null===e.label||t.name===e.label.name) { if(null!=t.kind&&(r||\\\\"loop\\\\"===t.kind)) break; if(e.
label&&r) break } } n===this.state.labels.length&&this.raise(e.start, T.IllegalBreakContinue, t) } parseDebuggerStateme
nt(e) { return
this.next(), this.semicolon(), this.finishNode(e, "\\DebuggerStatement\\")} parseHeaderExpression() { this.expect(o.par
enL); const e=this.parseExpression(); return this.expect(o.parenR), e } parseDoStatement(e) { return
this.next(), this.state.labels.push(Me), e.body=this.withTopicForbiddingContext(()=>this.parseStatement(\\\\"do\\\\")), t
his.state.labels.pop(), this.expect(o._while), e.test=this.parseHeaderExpression(), this.eat(o.semi), this.finishNode(e, \\\\"
DoWhileStatement\\\\")) parseForStatement(e) { this.next(), this.state.labels.push(Me); let t=-
1; if(this.isAwaitAllowed())&&this.eatContextual(\\\\"await\\\\")&&(t=this.state.lastTokStart), this.scope.enter(0), this.e
xpect(o.parenL), this.match(o.semi) return t>-1&&this.unexpected(t), this.parseFor(e, null); const
r=this.isContextual(\\\\"let\\\\"), n=r&&this.isLetKeyword(); if(this.match(o._var)||this.match(o._const)||n) { const
r=this.startNode(), i=n?\\\\"let\\\\":this.state.value; return
this.next(), this.parseVar(r, !0, i), this.finishNode(r, \\\\"VariableDeclaration\\\\"), (this.match(o._in)||this.isContextual(\\\\"
of\\\\"))&&1===r.declarations.length?this.parseForIn(e, r, t):(t>-1&&this.unexpected(t), this.parseFor(e, r)) } const
i=this.match(o.name)&&!this.state.containsEsc, s=new
De, a=this.parseExpression(!0, s), l=this.isContextual(\\\\"of\\\\"); if(l&&(r?this.raise(a.start, T.ForOfLet):-
1===t&&i&&\\\\"Identifier\\\\"===a.type&&\\\\"async\\\\"===a.name&&this.raise(a.start, T.ForOfAsync)), l||this.match
(o._in)) { this.toAssignable(a, !0); const r=l?\\\\"for-of statement\\\\":\\\\"for-in statement\\\\"; return
this.checkLVal(a, r), this.parseForIn(e, a, t) } return this.checkExpressionErrors(s, !0), t>-
1&&this.unexpected(t), this.parseFor(e, a) } parseFunctionStatement(e, t, r) { return
this.next(), this.parseFunction(e, l|(r?0:2), t) } parseIfStatement(e) { return
this.next(), e.test=this.parseHeaderExpression(), e.consequent=this.parseStatement(\\\\"if\\\\"), e.alternate=this.eat(o._el
se)?this.parseStatement(\\\\"if\\\\"):null, this.finishNode(e, \\\\"IfStatement\\\\")) parseReturnStatement(e) { return
this.prodParam.hasReturn||this.options.allowReturnOutsideFunction||this.raise(this.state.start, T.IllegalReturn), this.ne
xt(), this.isLineTerminator()?e.argument=null:(e.argument=this.parseExpression(), this.semicolon()), this.finishNode(
e, \\\\"ReturnStatement\\\\")) parseSwitchStatement(e) { this.next(), e.discriminant=this.parseHeaderExpression(); const
t=e.cases=[]; let
r, n; for(this.expect(o.braceL), this.state.labels.push(je), this.scope.enter(0); !this.match(o.braceR);) if(this.match(o._cas
e)||this.match(o._default)) { const
e=this.match(o._case); r&&this.finishNode(r, \\\\"SwitchCase\\\\"), t.push(r=this.startNode()), r.consequent=[], this.next(
), e?r.test=this.parseExpression(): (n&&this.raise(this.state.lastTokStart, T.MultipleDefaultsInSwitch), n=!0, r.test=null
), this.expect(o.colon) } else r?r.consequent.push(this.parseStatement(null)):this.unexpected(); return
this.scope.exit(), r&&this.finishNode(r, \\\\"SwitchCase\\\\"), this.next(), this.state.labels.pop(), this.finishNode(e, \\\\"Swit

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chStatement(\\") } parseThrowStatement(e) { return
this.next(), this.hasPrecedingLineBreak() && this.raise(this.state.lastTokEnd, T.NewLineAfterThrow), e.argument = this.
parseExpression(), this.semicolon(), this.finishNode(e, \\\"ThrowStatement\\\") } parseCatchClauseParam() { const
e = this.parseBindingAtom(), t = \\\"Identifier\\\" === e.type; return this.scope.enter(t ? 8 : 0), this.checkLVal(e, \\\"catch
clause\\\", 9), e } parseTryStatement(e) { if (this.next(), e.block = this.parseBlock(), e.handler = null, this.match(o._catch)) { c
onst
t = this.startNode(); this.next(), this.match(o.parenL) ? (this.expect(o.parenL), t.param = this.parseCatchClauseParam(), thi
s.expect(o.parenR)) : (t.param = null, this.scope.enter(0)), t.body = this.withTopicForbiddingContext(() => this.parseBlock
(!1, !1), this.scope.exit(), e.handler = this.finishNode(t, \\\"CatchClause\\\") } return
e.finalizer = this.eat(o._finally) ? this.parseBlock() : null, e.handler || e.finalizer || this.raise(e.start, T.NoCatchOrFinally), this
.finishNode(e, \\\"TryStatement\\\") } parseVarStatement(e, t) { return
this.next(), this.parseVar(e, !1, t), this.semicolon(), this.finishNode(e, \\\"VariableDeclaration\\\") } parseWhileStatement(
e) { return
this.next(), e.test = this.parseHeaderExpression(), this.state.labels.push(Me), e.body = this.withTopicForbiddingContext(
() => this.parseStatement(\\\"while\\\")), this.state.labels.pop(), this.finishNode(e, \\\"WhileStatement\\\") } parseWithSta
tement(e) { return
this.state.strict && this.raise(this.state.start, T.StrictWith), this.next(), e.object = this.parseHeaderExpression(), e.body = th
is.withTopicForbiddingContext(() => this.parseStatement(\\\"with\\\")), this.finishNode(e, \\\"WithStatement\\\") } parse
EmptyStatement(e) { return
this.next(), this.finishNode(e, \\\"EmptyStatement\\\") } parseLabeledStatement(e, t, r, n) { for (const e of
this.state.labels) e.name === t && this.raise(r.start, T.LabelRedeclaration, t); const
i = this.state.type.isLoop ? \\\"loop\\\" : this.match(o._switch) ? \\\"switch\\\" : null; for (let t = this.state.labels.length-
1; t >= 0; t--) { const
r = this.state.labels[t]; if (r.statementStart !== e.start) break; r.statementStart = this.state.start, r.kind = i } return
this.state.labels.push({ name: t, kind: i, statementStart: this.state.start }), e.body = this.parseStatement(n ? -
1 === n.indexOf(\\\"label\\\") ? n + \\\"label\\\" : n : \\\"label\\\"), this.state.labels.pop(), e.label = r, this.finishNode(e, \\\"Label
edStatement\\\") } parseExpressionStatement(e, t) { return
e.expression = t, this.semicolon(), this.finishNode(e, \\\"ExpressionStatement\\\") } parseBlock(e = !1, t = !0, r) { const
n = this.startNode(); return
e && this.state.strictErrors.clear(), this.expect(o.braceL), t && this.scope.enter(0), this.parseBlockBody(n, e, !1, o.braceR,
r), t && this.scope.exit(), this.finishNode(n, \\\"BlockStatement\\\") } isValidDirective(e) { return \\\"ExpressionStatement
\\\" === e.type && \\\"StringLiteral\\\" === e.expression.type && !e.expression.extra.parenthesized } parseBlockBody(e, t,
r, n, i) { const s = e.body = [], a = e.directives = []; this.parseBlockOrModuleBlockBody(s, t ? a : void
0, r, n, i) } parseBlockOrModuleBlockBody(e, t, r, n, i) { const s = this.state.strict; let a = !1, o = !1; for (; !this.match(n);) { const
n = this.parseStatement(null, r); if (t && !o) { if (this.isValidDirective(n)) { const
e = this.stmtToDirective(n); t.push(e), a || \\\"use
strict\\\" !== e.value.value || (a = !0, this.setStrict(!0)); continue } o = !0, this.state.strictErrors.clear() } e.push(n) } i && i.call(th
is, a), s || this.setStrict(!1), this.next() } parseFor(e, t) { return
e.init = t, this.semicolon(!1), e.test = this.match(o.semi) ? null : this.parseExpression(), this.semicolon(!1), e.update = this.ma
tch(o.parenR) ? null : this.parseExpression(), this.expect(o.parenR), e.body = this.withTopicForbiddingContext(() => this.
parseStatement(\\\"for\\\")), this.scope.exit(), this.state.labels.pop(), this.finishNode(e, \\\"ForStatement\\\") } parseForIn
(e, t, r) { const n = this.match(o._in); return this.next(), n ? r > -1 && this.unexpected(r) : e.await = r >
1, \\\"VariableDeclaration\\\" !== t.type || null === t.declarations[0].init || n && !this.state.strict && \\\"var\\\" === t.kind && \\\"
Identifier\\\" === t.declarations[0].id.type ? \\\"AssignmentPattern\\\" === t.type && this.raise(t.start, T.InvalidLhs, \\\"fo
r-loop\\\") : this.raise(t.start, T.ForInOfLoopInitializer, n ? \\\"for-in\\\" : \\\"for-
of\\\"), e.left = t, e.right = n ? this.parseExpression() : this.parseMaybeAssignAllowIn(), this.expect(o.parenR), e.body = this.
withTopicForbiddingContext(() => this.parseStatement(\\\"for\\\")), this.scope.exit(), this.state.labels.pop(), this.finishN
ode(e, n ? \\\"ForInStatement\\\" : \\\"ForOfStatement\\\") } parseVar(e, t, r) { const

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n=e.declarations=[],i=this.hasPlugin(\\\\"typescript\\\\"");for(e.kind=r;){ const
e=this.startNode();if(this.parseVarId(e,r),this.eat(o.eq)?e.init=t?this.parseMaybeAssignDisallowIn():this.parseMaybe
eAssignAllowIn():(\\\\"const\\\\"!==(r||this.match(o._in)||this.isContextual(\\\\"of\\\\"))?"Identifier\\\\"===e.id.type|t&&
(this.match(o._in)||this.isContextual(\\\\"of\\\\"))||this.raise(this.state.lastTokEnd,T.DeclarationMissingInitializer,\\\\"C
omplex binding patterns\\\\")):i||this.raise(this.state.lastTokEnd,T.DeclarationMissingInitializer,\\\\"Const
declarations\\\\"),e.init=null,n.push(this.finishNode(e,\\\\"VariableDeclarator\\\\")),!this.eat(o.comma))break }return
e }parseVarId(e,t){ e.id=this.parseBindingAtom(),this.checkLVal(e.id,\\\\"variable
declaration\\\\"),\\\\"var\\\\"===t?5:9,void 0,\\\\"var\\\\"!==(t))parseFunction(e,t=0,r=!1){ const
n=1&t,i=2&t,s=!(n|4&t);this.initFunction(e,r),this.match(o.star)&&i&&this.raise(this.state.start,T.GeneratorInSing
leStatementContext),e.generator=this.eat(o.star),n&&(e.id=this.parseFunctionId(s));const
a=this.state.maybeInArrowParameters;return
this.state.maybeInArrowParameters=!1,this.scope.enter(2),this.prodParam.enter(oe(r,e.generator)),n|(e.id=this.parse
FunctionId()),this.parseFunctionParams(e,!1),this.withTopicForbiddingContext(=>{ this.parseFunctionBodyAndFi
nish(e,n?"FunctionDeclaration\\\\":}\\\\"FunctionExpression\\\\")),this.prodParam.exit(),this.scope.exit(),n&&!i&&t
his.registerFunctionStatementId(e),this.state.maybeInArrowParameters=a,e }parseFunctionId(e){ return
e||this.match(o.name)?this.parseIdentifier():null }parseFunctionParams(e,t){ this.expect(o.parenL),this.expressionSco
pe.enter(new
Ie(3)),e.params=this.parseBindingList(o.parenR,41,!1,t),this.expressionScope.exit() registerFunctionStatementId(e
{ e.id&&this.scope.declareName(e.id.name,this.state.strict|e.generator|e.async?this.scope.treatFunctionsAsVar?5:9:
17,e.id.start) }parseClass(e,t,r){ this.next(),this.takeDecorators(e);const n=this.state.strict;return
this.state.strict=!0,this.parseClassId(e,t,r),this.parseClassSuper(e),e.body=this.parseClassBody(!e.superClass,n),this
.finishNode(e,t?"ClassDeclaration\\\\":}\\\\"ClassExpression\\\\"))isClassProperty(){ return
this.match(o.eq)||this.match(o.semi)||this.match(o.braceR)}isClassMethod(){ return
this.match(o.parenL)}isNonstaticConstructor(e){ return!(e.computed|e.static|}\\\\"constructor\\\\"!==(e.key.name&&}\\\\"
constructor\\\\"!==(e.key.value) }parseClassBody(e,t){ this.classScope.enter();const
r={ hadConstructor:!1,hadSuperClass:e };let n=[];const
i=this.startNode();if(i.body=[],this.expect(o.braceL),this.withTopicForbiddingContext(=>{ for(;!this.match(o.brace
R);){ if(this.eat(o.semi)){ if(n.length>0)throw
this.raise(this.state.lastTokEnd,T.DecoratorSemicolon);continue }if(this.match(o.at)){ n.push(this.parseDecorator());c
ontinue }const
e=this.startNode();n.length&&(e.decorators=n,this.resetStartLocationFromNode(e,n[0]),n=[]),this.parseClassMemb
er(i,e,r,}\\\\"constructor\\\\"===e.kind&&e.decorators&&e.decorators.length>0&&this.raise(e.start,T.DecoratorConstr
uctor) }},this.state.strict=t,this.next(),n.length)throw this.raise(this.state.start,T.TrailingDecorator);return
this.classScope.exit(),this.finishNode(i,}\\\\"ClassBody\\\\"))parseClassMemberFromModifier(e,t){ const
r=this.parseIdentifier(!0);if(this.isClassMethod()){ const n=t;return
n.kind=}\\\\"method\\\\" ,n.computed=!1,n.key=r,n.static=!1,this.pushClassMethod(e,n,!1,!1,!1,!1,!1,!1,!1,!1,!1,!1,!1,!1)if(this.isClassPro
perty()){ const n=t;return
n.computed=!1,n.key=r,n.static=!1,e.body.push(this.parseClassProperty(n),!0}return!1 }parseClassMember(e,t,r){ c
onst
n=this.isContextual(\\\\"static\\\\"");if(n){ if(this.parseClassMemberFromModifier(e,t))return;if(this.eat(o.braceL))retur
n void
this.parseClassStaticBlock(e,t) }this.parseClassMemberWithIsStatic(e,t,r,n) }parseClassMemberWithIsStatic(e,t,r,n){
const i=t,s=t,a=t,l=t,c=i,p=i;if(t.static=n,this.eat(o.star)){ c.kind=}\\\\"method\\\\" ;const
t=this.match(o.privateName);return this.parseClassElementName(c),t?void
this.pushClassPrivateMethod(e,s,!0,!1):(this.isNonstaticConstructor(i)&&this.raise(i.key.start,T.ConstructorIsGener
ator),void this.pushClassMethod(e,i,!0,!1,!1,!1))}const
u=this.state.containsEsc,d=this.match(o.privateName),h=this.parseClassElementName(t),f=}\\\\"Identifier\\\\"===h.typ
e,m=this.state.start;if(this.parsePostMemberNameModifiers(p),this.isClassMethod()){ if(c.kind=}\\\\"method\\\\" ,d)retu

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rn void this.pushClassPrivateMethod(e,s,!1,!1);const n=this.isNonstaticConstructor(i);let
a=!1;n&&(i.kind===\\"constructor\\")&&r.hadConstructor&&this.hasPlugin(\\\"typescript\\\")&&this.raise(h.start,T.DuplicateConstructor),n&&this.hasPlugin(\\\"typescript\\\")&&t.override&&this.raise(h.start,T.OverrideOnConstructor),r.hadConstructor=!0,a=r.hadSuperClass),this.pushClassMethod(e,i,!1,!1,n,a)}else
if(this.isClassProperty())d?this.pushClassPrivateProperty(e,l):this.pushClassProperty(e,a);else
if(!f\\\"async\\\"!==h.name||u|this.isLineTerminator())if(!f\\\"get\\\"!==h.name&&\\\"set\\\"!==h.name||u|this.match(o.star)&&this.isLineTerminator())this.isLineTerminator()?d?this.pushClassPrivateProperty(e,l):this.pushClassProperty(e,a):this.unexpected();else{c.kind=h.name;const
t=this.match(o.privateName);this.parseClassElementName(i),t?this.pushClassPrivateMethod(e,s,!1,!1):(this.isNonstaticConstructor(i)&&this.raise(i.key.start,T.ConstructorIsAccessor),this.pushClassMethod(e,i,!1,!1,!1,!1)),this.checkGetterSetterParams(i)}else{const t=this.eat(o.star);p.optional&&this.unexpected(m),c.kind=\\\"method\\\";const
r=this.match(o.privateName);this.parseClassElementName(c),this.parsePostMemberNameModifiers(p),r?this.pushClassPrivateMethod(e,s,t,!0):(this.isNonstaticConstructor(i)&&this.raise(i.key.start,T.ConstructorIsAsync),this.pushClassMethod(e,i,t,!0,!1,!1))}parseClassElementName(e){const{type:t,value:r,start:n}=this.state;return
t===o.name&&t===o.string||!e.static\\\"prototype\\\"===r|this.raise(n,T.StaticPrototype),t===o.privateName&&\\\"constructor\\\"===r&&this.raise(n,T.ConstructorClassPrivateField),this.parsePropertyName(e,!0)}parseClassStaticBlock(e,t){var r;this.expectPlugin(\\\"classStaticBlock\\\",t.start),this.scope.enter(208);const
n=this.state.labels;this.state.labels=[],this.prodParam.enter(0);const
i=t.body=[];this.parseBlockOrModuleBlockBody(i,void
0,!1,o.braceR),this.prodParam.exit(),this.scope.exit(),this.state.labels=n,e.body.push(this.finishNode(t,\\\"StaticBlock\\\")),null!=(r=t.decorators)&&r.length&&this.raise(t.start,T.DecoratorStaticBlock)}pushClassProperty(e,t){t.computed\\\"constructor\\\"!==t.key.name&&\\\"constructor\\\"!==t.key.value|this.raise(t.key.start,T.ConstructorClassField),e.body.push(this.parseClassProperty(t))}pushClassPrivateProperty(e,t){const
r=this.parseClassPrivateProperty(t);e.body.push(r),this.classScope.declarePrivateName(this.getPrivateNameSV(r.key),0,r.key.start)}pushClassMethod(e,t,r,n,i,s){e.body.push(this.parseMethod(t,r,n,i,s,\\\"ClassMethod\\\",!0))}pushClassPrivateMethod(e,t,r,n){const i=this.parseMethod(t,r,n,!1,!1,\\\"ClassPrivateMethod\\\",!0);e.body.push(i);const
s=\\\"get\\\"===i.kind?i.static?6:2:\\\"set\\\"===i.kind?i.static?5:1:0;this.classScope.declarePrivateName(this.getPrivateNameSV(i.key),s,i.key.start)}parsePostMemberNameModifiers(e){parseClassPrivateProperty(e){return
this.parseInitializer(e),this.semicolon(),this.finishNode(e,\\\"ClassPrivateProperty\\\")}parseClassProperty(e){return
this.parseInitializer(e),this.semicolon(),this.finishNode(e,\\\"ClassProperty\\\")}parseInitializer(e){this.scope.enter(80),this.expressionScope.enter(ke()),this.prodParam.enter(0),e.value=this.eat(o.eq)?this.parseMaybeAssignAllowIn():null,this.expressionScope.exit(),this.prodParam.exit(),this.scope.exit()}parseClassId(e,t,r,n=139){this.match(o.name)?(e.id=this.parseIdentifier(),t&&this.checkLVal(e.id,\\\"class
name\\\",n):r||!t?e.id=null:this.unexpected(null,T.MissingClassName)}parseClassSuper(e){e.superClass=this.eat(o._extends)?this.parseExprSubscripts():null}parseExport(e){const
t=this.maybeParseExportDefaultSpecifier(e),r=!t|this.eat(o.comma),n=r&&this.eatExportStar(e),i=n&&this.maybeParseExportNamespaceSpecifier(e),s=r&&!i|this.eat(o.comma),a=t|i;n;if(n&&!i)return
t&&this.unexpected(),this.parseExportFrom(e,!0),this.finishNode(e,\\\"ExportAllDeclaration\\\")};const
l=this.maybeParseExportNamedSpecifiers(e);if(t&&r&&!n&&!i&&s&&!l)throw
this.unexpected(null,o.braceL);let
c;if(a||l?(c=!1,this.parseExportFrom(e,a)):c=this.maybeParseExportDeclaration(e,a)||c)return
this.checkExport(e,!0,!1,!e.source),this.finishNode(e,\\\"ExportNamedDeclaration\\\"));if(this.eat(o._default))return
e.declaration=this.parseExportDefaultExpression(),this.checkExport(e,!0,!0),this.finishNode(e,\\\"ExportDefaultDeclaration\\\");throw this.unexpected(null,o.braceL)}eatExportStar(e){return
this.eat(o.star)}maybeParseExportDefaultSpecifier(e){if(this.isExportDefaultSpecifier()){this.expectPlugin(\\\"exportDefaultFrom\\\");const t=this.startNode();return
t.exported=this.parseIdentifier(!0),e.specifiers=[this.finishNode(t,\\\"ExportDefaultSpecifier\\\"),!0]return!1}maybeParseExportNamespaceSpecifier(e){if(this.isContextual(\\\"as\\\"))){e.specifiers||e.specifiers=[];const

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t=this.startNodeAt(this.state.lastTokStart,this.state.lastTokStartLoc);return
this.next(),t.exported=this.parseModuleExportName(),e.specifiers.push(this.finishNode(t,`ExportNamespaceSpeci
fier`)),!0}return!1}maybeParseExportNamedSpecifiers(e){return!!this.match(o.braceL)&&(e.specifiers||(e.specifi
ers=[]),e.specifiers.push(...this.parseExportSpecifiers()),e.source=null,e.declaration=null,!0)}maybeParseExportDecl
aration(e){return!!this.shouldParseExportDeclaration()&&(e.specifiers=[],e.source=null,e.declaration=this.parseExp
ortDeclaration(e,!0)}isAsyncFunction(){if(!this.isContextual(`async`))return!1;const
e=this.nextTokenStart();return!.test(this.input.slice(this.state.pos,e))&&this.isUnparsedContextual(e,`function`))
}parseExportDefaultExpression(){const
e=this.startNode(),t=this.isAsyncFunction();if(this.match(o._function)||t)return
this.next(),t&&this.next(),this.parseFunction(e,5,t);if(this.match(o._class))return
this.parseClass(e,!0,!0);if(this.match(o.at))return
this.hasPlugin(`decorators`)&&this.getPluginOption(`decorators`,`decoratorsBeforeExport`)&&this.raise(this.state.start,T.DecoratorBeforeExport),this.parseDecorators(!1),this.parseClass(e,!0,!0);if(this.match(o._const)||
this.match(o._var)||this.isLet())throw this.raise(this.state.start,T.UnsupportedDefaultExport);const
e=this.parseMaybeAssignAllowIn();return this.semicolon(),e}parseExportDeclaration(e){return
this.parseStatement(null)}isExportDefaultSpecifier(){if(this.match(o.name)){const
e=this.state.value;if(`async`===e&&!this.state.containsEsc||`let`===e)return!1;if(`type`===e||`interface`===e)&&!this.state.containsEsc){const
e=this.lookahead();if(e.type===o.name&&`from`!==e.value||e.type===o.braceL)return
this.expectOnePlugin([`flow`,`typescript`],!1)}else if(!this.match(o._default))return!1;const
e=this.nextTokenStart(),t=this.isUnparsedContextual(e,`from`);if(44===this.input.charCodeAt(e)||this.match(o.
name)&&t)return!0;if(this.match(o._default)&&t){const
t=this.input.charCodeAt(this.nextTokenStartSince(e+4));return
34===t||39===t}return!1}parseExportFrom(e,t){if(this.eatContextual(`from`)){e.source=this.parseImportSourc
e(),this.checkExport(e);const t=this.maybeParseImportAssertions();t&&(e.assertions=t)}else
t?this.unexpected():e.source=null;this.semicolon()}shouldParseExportDeclaration(){if(this.match(o.at)&&(this.expe
ctOnePlugin([`decorators`,`decorators-
legacy`]),this.hasPlugin(`decorators`)))if(!this.getPluginOption(`decorators`,`decoratorsBeforeExport
`))return!0;this.unexpected(this.state.start,T.DecoratorBeforeExport)}return`var`===this.state.type.keyword||
`const`===this.state.type.keyword||`function`===this.state.type.keyword||`class`===this.state.type.key
word||this.isLet()||this.isAsyncFunction()}checkExport(e,t,r,n){if(t)if(r){if(this.checkDuplicateExports(e,`default\
`),this.hasPlugin(`exportDefaultFrom`))var i;const
t=e.declaration;`Identifier`!==t.type||`from`!==t.name||t.end-
t.start!=4||null!=(i=t.extra)&&i.parenthesized||this.raise(t.start,T.ExportDefaultFromAsIdentifier)}else
if(e.specifiers&&e.specifiers.length)for(const t of
e.specifiers){const{exported:e}=t,r=`Identifier`===e.type?e.name:e.value;if(this.checkDuplicateExports(t,r,!n
&&t.local){const{local:e}=t;`StringLiteral`===e.type?this.raise(t.start,T.ExportBindingsString,e.value,r):(this.
checkReservedWord(e.name,e.start,!0,!1),this.scope.checkLocalExport(e))}else
if(e.declaration)if(`FunctionDeclaration`===e.declaration.type||`ClassDeclaration`===e.declaration.type){c
onst t=e.declaration.id;if(!t)throw new Error(`Assertion failure`);this.checkDuplicateExports(e,t.name)}else
if(`VariableDeclaration`===e.declaration.type)for(const t of
e.declaration.declarations)this.checkDeclaration(t.id);if(this.state.decoratorStack[this.state.decoratorStack.length-
1].length)throw
this.raise(e.start,T.UnsupportedDecoratorExport)}checkDeclaration(e){if(`Identifier`===e.type)this.checkDupli
cateExports(e,e.name);else if(`ObjectPattern`===e.type)for(const t of e.properties)this.checkDeclaration(t);else
if(`ArrayPattern`===e.type)for(const t of
e.elements)t&&this.checkDeclaration(t);else`ObjectProperty`===e.type?this.checkDeclaration(e.value):`Rest
Element`===e.type?this.checkDeclaration(e.argument):`AssignmentPattern`===e.type&&this.checkDeclarati

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on(e.left)}checkDuplicateExports(e,t){this.state.exportedIdentifiers.indexOf(t)>-
1&&this.raise(e.start,\\\\"default\\\\"===t?T.DuplicateDefaultExport:T.DuplicateExport,t),this.state.exportedIdentifier
s.push(t)}parseExportSpecifiers(){const e=[];let t=!0;for(this.expect(o.braceL);!this.eat(o.braceR);){if(t) t=!1;else
if(this.expect(o.comma),this.eat(o.braceR))break;const
r=this.startNode();r.local=this.parseModuleExportName(),r.exported=this.eatContextual(\\\\"as\\\\")?this.parseModule
ExportName():r.local.__clone(),e.push(this.finishNode(r,\\\\"ExportSpecifier\\\\"))}return
e}parseModuleExportName(){if(this.match(o.string)){const
e=this.parseLiteral(this.state.value,\\\\"StringLiteral\\\\"),t=e.value.match(Fe);return
t&&this.raise(e.start,T.ModuleExportNameHasLoneSurrogate,t[0].charCodeAt(0).toString(16)),e}return
this.parseIdentifier(!0)}parseImport(e){if(e.specifiers=[],!this.match(o.string)){const
t=!this.maybeParseDefaultImportSpecifier(e)||this.eat(o.comma),r=t&&this.maybeParseStarImportSpecifier(e);t&&!
r&&this.parseNamedImportSpecifiers(e),this.expectContextual(\\\\"from\\\\"))e.source=this.parseImportSource();con
st t=this.maybeParseImportAssertions();if(t)e.assertions=t;else{const
t=this.maybeParseModuleAttributes();t&&(e.attributes=t)}return
this.semicolon(),this.finishNode(e,\\\\"ImportDeclaration\\\\")}parseImportSource(){return
this.match(o.string)||this.unexpected(),this.parseExprAtom()}shouldParseDefaultImport(e){return
this.match(o.name)}parseImportSpecifierLocal(e,t,r,n){t.local=this.parseIdentifier(),this.checkLVal(t.local,n,9),e.sp
ecifiers.push(this.finishNode(t,r))}parseAssertEntries(){const e=[],t=new
Set;do{if(this.match(o.braceR))break;const
r=this.startNode(),n=this.state.value;if(this.match(o.string)?r.key=this.parseLiteral(n,\\\\"StringLiteral\\\\"):r.key=this.
parseIdentifier(!0),this.expect(o.colon),\\\\"type\\\\"!==(n&&this.raise(r.key.start,T.ModuleAttributeDifferentFromTyp
e,n),t.has(n)&&this.raise(r.key.start,T.ModuleAttributesWithDuplicateKeys,n),t.add(n,!this.match(o.string))throw
this.unexpected(this.state.start,T.ModuleAttributeInvalidValue);r.value=this.parseLiteral(this.state.value,\\\\"StringLi
teral\\\\"),this.finishNode(r,\\\\"ImportAttribute\\\\"),e.push(r)}while(this.eat(o.comma));return
e}maybeParseModuleAttributes(){if(!this.match(o._with)||this.hasPrecedingLineBreak())return
this.hasPlugin(\\\\"moduleAttributes\\\\")?[]:null;this.expectPlugin(\\\\"moduleAttributes\\\\"),this.next();const
e=[],t=new Set;do{const
r=this.startNode();if(r.key=this.parseIdentifier(!0),\\\\"type\\\\"!==(r.key.name&&this.raise(r.key.start,T.ModuleAttri
buteDifferentFromType,r.key.name),t.has(r.key.name)&&this.raise(r.key.start,T.ModuleAttributesWithDuplicateKey
s,r.key.name),t.add(r.key.name),this.expect(o.colon),!this.match(o.string))throw
this.unexpected(this.state.start,T.ModuleAttributeInvalidValue);r.value=this.parseLiteral(this.state.value,\\\\"StringLi
teral\\\\"),this.finishNode(r,\\\\"ImportAttribute\\\\"),e.push(r)}while(this.eat(o.comma));return
e}maybeParseImportAssertions(){if(!this.isContextual(\\\\"assert\\\\")||this.hasPrecedingLineBreak())return
this.hasPlugin(\\\\"importAssertions\\\\")?[]:null;this.expectPlugin(\\\\"importAssertions\\\\"),this.next(),this.eat(o.brace
L);const e=this.parseAssertEntries();return
this.eat(o.braceR),e}maybeParseDefaultImportSpecifier(e){return!this.shouldParseDefaultImport(e)&&(this.parseI
mportSpecifierLocal(e,this.startNode(),\\\\"ImportDefaultSpecifier\\\\",\\\\"default import
specifier\\\\"),!0)}maybeParseStarImportSpecifier(e){if(this.match(o.star)){const t=this.startNode();return
this.next(),this.expectContextual(\\\\"as\\\\"),this.parseImportSpecifierLocal(e,t,\\\\"ImportNamespaceSpecifier\\\\",\\\\"i
mport namespace specifier\\\\"),!0}return!1}parseNamedImportSpecifiers(e){let
t=!0;for(this.expect(o.braceL);!this.eat(o.braceR);){if(t) t=!1;else{if(this.eat(o.colon))throw
this.raise(this.state.start,T.DestructureNamedImport);if(this.expect(o.comma),this.eat(o.braceR))break}this.parseIm
portSpecifier(e)}parseImportSpecifier(e){const
t=this.startNode();if(t.imported=this.parseModuleExportName(),this.eatContextual(\\\\"as\\\\"))t.local=this.parseIdenti
fier();else{const{imported:e}=t;if(\\\\"StringLiteral\\\\"===e.type)throw
this.raise(t.start,T.ImportBindingIsString,e.value);this.checkReservedWord(e.name,t.start,!0,!0),t.local=e.__clone()}
this.checkLVal(t.local,\\\\"import
specifier\\\\" ,9),e.specifiers.push(this.finishNode(t,\\\\"ImportSpecifier\\\\"))}isThisParam(e){return\\\\"Identifier\\\\"==

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=e.type&&"this"===e.name } } constructor(e,t){ super(e=function(e){ const t={ };for(const r of
Object.keys(ge))t[r]=e&&null!=e[r]?e[r]:ge[r];return
t}(e),t),this.options=e,this.initializeScopes(),this.plugins=function(e){ const t=new Map;for(const r of
e){ const[e,n]=Array.isArray(r)?r:[,{}];t.has(e)||t.set(e,n){ }}return
t}(this.options.plugins),this.filename=e.sourceFilename } getScopeHandler(){ return
q } parse(){ this.enterInitialScopes();const e=this.startNode(),t=this.startNode();return
this.nextToken(),e.errors=null,this.parseTopLevel(e,t),e.errors=this.state.errors,e } function Be(e,t){ let r=Re;return
null!=e&&e.plugins&&(!function(e){ if(he(e,/"decorators"/))if(he(e,/"decorators-legacy"/))throw new
Error(/"Cannot use the decorators and decorators-legacy plugin together/");const
t=fe(e,/"decorators"/),/"decoratorsBeforeExport"/);if(null==t)throw new Error(/"The 'decorators' plugin
requires a 'decoratorsBeforeExport' option, whose value must be a boolean. If you are migrating from
Babylon/Babel 6 or want to use the old decorators proposal, you should use the 'decorators-legacy' plugin instead of
'decorators.'/");if(/"boolean"/!=typeof t)throw new Error(/"decoratorsBeforeExport' must be a
boolean./");if(he(e,/"flow"/)&&he(e,/"typescript"/))throw new Error(/"Cannot combine flow and typescript
plugins./");if(he(e,/"placeholders"/)&&he(e,/"v8intrinsic"/))throw new Error(/"Cannot combine
placeholders and v8intrinsic
plugins./");if(he(e,/"pipelineOperator"/)&&!me.includes(fe(e,/"pipelineOperator"/),/"proposal"/))throw
new Error(/"pipelineOperator' requires 'proposal' option whose value should be one of:
/" +me.map(e=>`$ {e}`).join(/", /");if(he(e,/"moduleAttributes"/))if(he(e,/"importAssertions"/))throw
new Error(/"Cannot combine importAssertions and moduleAttributes plugins./");if(/"may-
2020"/!=fe(e,/"moduleAttributes"/),/"version"/))throw new Error(/"The 'moduleAttributes' plugin requires a
'version' option, representing the last proposal update. Currently, the only supported value is 'may-
2020'./");if(he(e,/"recordAndTuple"/)&&!ye.includes(fe(e,/"recordAndTuple"/),/"syntaxType"/))throw
new Error(/"recordAndTuple' requires 'syntaxType' option whose value should be one of:
/" +ye.map(e=>`$ {e}`).join(/", /");if(he(e,/"asyncDoExpressions"/)&&!he(e,/"doExpressions"/)){ const
e=new Error(/"asyncDoExpressions' requires 'doExpressions', please add 'doExpressions' to parser
plugins./");throw e.missingPlugins=/"doExpressions"/,e } (e.plugins),r=function(e){ const
t=be.filter(t=>he(e,t)),r=t.join(/"/^/");let n=Ue[r];if(!n){ n=Re;for(const e of t)n=Te[e](n);Ue[r]=n } return
n}(e.plugins),new r(e,t) } const Ue={ };t.parse=function(e,t){ var r;if(/"unambiguous"/!=/(null==(r=t)?void
0:r.sourceType))return Be(t,e).parse();t=Object.assign({ },t);try { t.sourceType=/"module"/;const
r=Be(t,e),n=r.parse();if(r.sawUnambiguousESM)return n;if(r.ambiguousScriptDifferentAst)try { return
t.sourceType=/"script"/,Be(t,e).parse() } catch(e){ } else n.program.sourceType=/"script"/;return
n } catch(r){ try { return t.sourceType=/"script"/,Be(t,e).parse() } catch(e){ } throw
r } },t.parseExpression=function(e,t){ const r=Be(t,e);return
r.options.strictMode&&(r.state.strict!=0),r.getExpression(),t.tokenTypes=o },function(e,t,r){ /"use
strict"/;Object.defineProperty(t,/"__esModule"/, { value:!0}),t.default=function(e,t,r){ const { metadata:a,names:l }
=function(e,t,r){ let n,s,a,l=/""/;do{l+=/"$"/;const c=o(t,l);n=c.names,s=new
Set(n),a=(0,i.default)(e,e.code(c.code), { parser:r.parser,placeholderWhitelist:new
Set(c.names.concat(r.placeholderWhitelist?Array.from(r.placeholderWhitelist):[])),placeholderPattern:r.placeholder
Pattern,preserveComments:r.preserveComments,syntacticPlaceholders:r.syntacticPlaceholders } ) } while(a.placeholder
rs.some(e=>e.isDuplicate&&s.has(e.name)));return { metadata:a,names:n } (e,t,r);return t=>{ const r={ };return
t.forEach((e,t)=>{ r[l[t]]=e },t=>{ const i=(0,n.normalizeReplacements)(t);return
i&&Object.keys(i).forEach(e=>{ if(Object.prototype.hasOwnProperty.call(r,e))throw new Error(/"Unexpected
replacement overlap./");e.unwrap((0,s.default)(a,i?Object.assign(i,r):r) ) } } );var
n=r(59),i=a(r(127)),s=a(r(128));function a(e){ return e&&e.__esModule?e: { default:e } }function o(e,t){ const r=[];let
n=e[0];for(let i=1;i<e.length;i++){ const s=`$ {t} $ {i-
1}`;r.push(s),n+=s+e[i] } return { names:r,code:n } },function(e,t,r){ /"use
strict"/;Object.defineProperty(t,/"__esModule"/, { value:!0}),t.matchesPattern=function(e,t){ return

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n.matchesPattern(this.node,e,t),t.has=s,t.isStatic=function(){return
this.scope.isStatic(this.node)},t.isnt=function(e){return!this.has(e)},t.equals=function(e,t){return
this.node[e]==t},t.isNodeType=function(e){return
n.isType(this.type,e)},t.canHaveVariableDeclarationOrExpression=function(){return(\\\\"init\\"===this.key\\\\"left\\
\\"===this.key)&&this.parentPath.isFor()),t.canSwapBetweenExpressionAndStatement=function(e){if(\\\\"body\\"!
=this.key)!this.parentPath.isArrowFunctionExpression()return!1;if(this.isExpression())return
n.isBlockStatement(e);if(this.isBlockStatement())return
n.isExpression(e);return!1},t.isCompletionRecord=function(e){let t=this,r=!0;do{const
n=t.container;if(t.isFunction())&&!r)return!e;if(r=!1,Array.isArray(n)&&t.key!==n.length-
1)return!1}while((t=t.parentPath)&&!t.isProgram());return!0},t.isStatementOrBlock=function(){return!this.parentPa
th.isLabeledStatement()&&!n.isBlockStatement(this.container)&&n.STATEMENT_OR_BLOCK_KEYS.includes(t
his.key)},t.referencesImport=function(e,t){if(!this.isReferencedIdentifier())return!1;const
r=this.scope.getBinding(this.node.name);if(!r||\\\\"module\\"!==r.kind)return!1;const
n=r.path,i=n.parentPath;if(!i.isImportDeclaration())return!1;if(i.node.source.value!==e)return!1;if(!t)return!0;if(n.isI
mportDefaultSpecifier()&&\\\\"default\\"===t)return!0;if(n.isImportNamespaceSpecifier()&&\\\\"*\\"===t)return!0;
if(n.isImportSpecifier()&&n.node.imported.name===t)return!0;return!1},t.getSource=function(){const
e=this.node;if(e.end){const t=this.hub.getCode();if(t)return
t.slice(e.start,e.end)}return\\\\"\\\\"},t.willIMaybeExecuteBefore=function(e){return\\\\"after\\"!==this._guessExecutio
nStatusRelativeTo(e)},t._guessExecutionStatusRelativeTo=function(e){const
t={this:o(this),target:o(e)};if(t.target.node!==t.this.node)return
this._guessExecutionStatusRelativeToDifferentFunctions(t.target);const
r={target:e.getAncestry(),this:this.getAncestry()};if(r.target.indexOf(this)>=0)return\\\\"after\\";if(r.this.indexOf(e)>
=0)return\\\\"before\\";let i;const s={target:0,this:0};for(;i&&s.this<r.this.length;){const
e=r.this[s.this];s.target=r.target.indexOf(e),s.target>=0?i=e.s.this++:if(!i)throw new Error(\\\\"Internal Babel error -
The two compared nodes don't appear to belong to the same program.\\");if(c(r.this,s.this-1)||c(r.target,s.target-
1))return\\\\"unknown\\";const a={this:r.this[s.this-1],target:r.target[s.target-
1]};if(a.target.listKey&&a.this.listKey&&a.target.container===a.this.container)return
a.target.key>a.this.key?\\\\"before\\\\":\\\\"after\\";const
l=n.VISITOR_KEYS[i.type],p={this:l.indexOf(a.this.parentKey),target:l.indexOf(a.target.parentKey)};return
p.target>p.this?\\\\"before\\\\":\\\\"after\\"},t._guessExecutionStatusRelativeToDifferentFunctions=function(e){if(!e.is
FunctionDeclaration()||e.parentPath.isExportDeclaration())return\\\\"unknown\\";const
t=e.scope.getBinding(e.node.id.name);if(!t.references)return\\\\"before\\";const r=t.referencePaths;let n;for(const t of
r){if(!t.find(t=>t.node===e.node))continue;if(\\\\"callee\\"!==t.key)!t.parentPath.isCallExpression()return\\\\"unkno
wn\\";if(p.has(t.node))continue;p.add(t.node);const
r=this._guessExecutionStatusRelativeTo(t);if(p.delete(t.node),n&&n!==r)return\\\\"unknown\\";n=r}return
n},t.resolve=function(e,t){return
this._resolve(e,t)||this},t._resolve=function(e,t){if(t&&t.indexOf(this)>=0)return;if((t=t||[]).push(this),this.isVariable
Declarator()){if(this.get(\\\\"id\\\\").isIdentifier())return this.get(\\\\"init\\\\").resolve(e,t)}else
if(this.isReferencedIdentifier()){const
r=this.scope.getBinding(this.node.name);if(!r)return;if(!r.constant)return;if(\\\\"module\\"===r.kind)return;if(r.path!
===this){const n=r.path.resolve(e,t);if(this.find(e=>e.node===n.node))return;return
n}}else{if(this.isTypeCastExpression())return
this.get(\\\\"expression\\\\").resolve(e,t);if(e&&this.isMemberExpression()){const
r=this.toComputedKey();if(!n.isLiteral(r))return;const
i=r.value,s=this.get(\\\\"object\\\\").resolve(e,t);if(s.isObjectExpression()){const r=s.get(\\\\"properties\\\\"");for(const n
of r){if(!n.isProperty())continue;const r=n.get(\\\\"key\\\\"");let
s=n.isnt(\\\\"computed\\\\")&&r.isIdentifier({name:i});if(s=s||r.isLiteral({value:i}),s)return
n.get(\\\\"value\\\\").resolve(e,t)}}else if(s.isArrayExpression()&&!s.isNaN(+i)){const

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r=s.get(\\\\"elements\\\\\\")[i];if(r)return
r.resolve(e,t) } } },t.isConstantExpression=function(){if(this.isIdentifier()){const
e=this.scope.getBinding(this.node.name);return!e&&e.constant}if(this.isLiteral())return!this.isRegExpLiteral())&&(
!this.isTemplateLiteral())||this.get(\\\\"expressions\\\\\\").every(e=>e.isConstantExpression());if(this.isUnaryExpression
())return\\\\"void\\\\\\"===this.get(\\\\"operator\\\\\\").node&&this.get(\\\\"argument\\\\\\").isConstantExpression();if(this.isBi
naryExpression())return
this.get(\\\\"left\\\\\\").isConstantExpression()&&this.get(\\\\"right\\\\\\").isConstantExpression();return!1},t.isInStrictMod
e=function(){const
e=this.isProgram()?this:this.parentPath;return!e.find(e=>{if(e.isProgram({sourceType:\\\\"module\\\\\\"}))return!0;if(e
.isClass())return!0;if(!e.isProgram())&&!e.isFunction())return!1;if(e.isArrowFunctionExpression())&&e.get(\\\\"body
\\\\\\").isBlockStatement())return!1;let{node:t}=e;e.isFunction()&&(t=t.body);for(const e of t.directives)if(\\\\"use
strict\\\\\\"===e.value.value)return!0)},t.is=void 0;var n=function(e){if(e&&e.__esModule)return
e;if(null===e||\\\\"object\\\\\\"!=typeof e&&\\\\"function\\\\\\"!=typeof e)return{default:e};var t=i();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get|a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if(\\\\"function\\\\\\"!=typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e}function s(e){const t=this.node&&this.node[e];return
t&&Array.isArray(t)?!t.length:!t}const a=s;function
o(e){return(e.scope.getFunctionParent()||e.scope.getProgramParent()).path}function
l(e,t){switch(e){case\\\\"LogicalExpression\\\\\\":return\\\\"right\\\\\\"===t;case\\\\"ConditionalExpression\\\\\\":case\\\\"IfStat
ement\\\\\\":return\\\\"consequent\\\\\\"===t||\\\\"alternate\\\\\\"===t;case\\\\"WhileStatement\\\\\\":case\\\\"DoWhileStatement\\\\\\
":case\\\\"ForInStatement\\\\\\":case\\\\"ForOfStatement\\\\\\":return\\\\"body\\\\\\"===t;case\\\\"ForStatement\\\\\\":return\\\\"body
\\\\\\"===t||\\\\"update\\\\\\"===t;case\\\\"SwitchStatement\\\\\\":return\\\\"cases\\\\\\"===t;case\\\\"TryStatement\\\\\\":return\\\\"han
dler\\\\\\"===t;case\\\\"AssignmentPattern\\\\\\":return\\\\"right\\\\\\"===t;case\\\\"OptionalMemberExpression\\\\\\":return\\\\"pr
operty\\\\\\"===t;case\\\\"OptionalCallExpression\\\\\\":return\\\\"arguments\\\\\\"===t;default:return!1}}function
c(e,t){for(let r=0;r<t;r++){const t=e[r];if(l(t.parent.type,t.parentKey))return!0}return!1}t.is=a;const p=new
WeakSet},function(e,t,r){\\\\"use
strict\\\\\\";Object.defineProperty(t,\\\\"__esModule\\\\\\",{value:!0}),t.call=function(e){const
t=this.opts;if(this.debug(e),this.node&&this._call(t[e]))return!0;if(this.node)return
this._call(t[this.node.type]&&t[this.node.type][e]);return!1},t._call=function(e){if(!e)return!1;for(const t of
e){if(!t)continue;const e=this.node;if(!e)return!0;const r=t.call(this.state,this,this.state);if(r&&\\\\"object\\\\\\"===typeof
r&&\\\\"function\\\\\\"===typeof r.then)throw new Error(\\\\"You appear to be using a plugin with an async traversal
visitor, which your current version of Babel does not support. If you're using a published plugin, you may need to
upgrade your @babel/core version.\\\\\\");if(r)throw new Error(\\\\"Unexpected return value from visitor method
\\\\\\"+t);if(this.node!==e)return!0;if(this._traverseFlags>0)return!0}return!1},t.isBlacklisted=t.isDenylist=function(
){var e;const t=null!=(e=this.opts.denylist)?e:this.opts.blacklist;return t&&t.indexOf(this.node.type)>-
1},t.visit=function(){if(!this.node)return!1;if(this.isDenylist())return!1;if(this.opts.shouldSkip&&this.opts.should
Skip(this))return!1;if(this.shouldSkip||this.call(\\\\"enter\\\\\\"))||this.shouldSkip)return
this.debug(\\\\"Skip...\\\\\\"),this.shouldStop;return this.debug(\\\\"Recurring
into...\\\\\\"),i.default.node(this.node,this.opts,this.scope,this.state,this,this.skipKeys),this.call(\\\\"exit\\\\\\"),this.shouldSt
op},t.skip=function(){this.shouldSkip=!0},t.skipKey=function(e){null===this.skipKeys&&(this.skipKeys={});this.sk
ipKeys[e]=!0},t.stop=function(){this._traverseFlags|=s.SHOULD_SKIP|s.SHOULD_STOP},t.setScope=function(){
if(this.opts&&this.opts.noScope)return;let
e,t=this.parentPath;for(;t&&!e;){if(t.opts&&t.opts.noScope)return;e=t.scope,t=t.parentPath}this.scope=this.getScop
e(e),this.scope&&this.scope.init(),t.setContext=function(e){null!==this.skipKeys&&(this.skipKeys={});this._traver
seFlags=0,e&&(this.context=e,this.state=e.state,this.opts=e.opts);return
this.setScope(),this},t.resync=function(){if(this.removed)return;this._resyncParent(),this._resyncList(),this._resyncK

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ey()),t._resyncParent=function(){this.parentPath&&(this.parent=this.parentPath.node)},t._resyncKey=function(){if(
!this.container)return;if(this.node===this.container[this.key])return;if(Array.isArray(this.container)){for(let
e=0;e<this.container.length;e++)if(this.container[e]===this.node)return this.setKey(e)}else for(const e of
Object.keys(this.container))if(this.container[e]===this.node)return
this.setKey(e);this.key=null},t._resyncList=function(){if(!this.parent||!this.inList)return;const
e=this.parent[this.listKey];if(this.container===e)return;this.container=e||null},t._resyncRemoved=function(){null!=t
his.key&&this.container&&this.container[this.key]===this.node||this._markRemoved(),t.popContext=function(){t
his.contexts.pop(),this.contexts.length>0?this.setContext(this.contexts[this.contexts.length-1]):this.setContext(void
0)},t.pushContext=function(e){this.contexts.push(e),this.setContext(e)},t.setup=function(e,t,r,n){this.listKey=r,this
.container=t,this.parentPath=e||this.parentPath,this.setKey(n)},t.setKey=function(e){var
t,this.key=e,this.node=this.container[this.key],this.type=null==(t=this.node)?void
0:t.type},t.requeue=function(e=this){if(e.removed)return;const t=this.contexts;for(const r of
t)r.maybeQueue(e)},t._getQueueContexts=function(){let
e=this,t=this.contexts;for(;;!t.length&&(e=e.parentPath,e);)t=e.contexts;return t};var
n,i=(n=r(17))&&n.__esModule?n:{default:n},s=r(8)},function(e,t,r){use
strict";Object.defineProperty(t, "__esModule", { value: !0}),t.remove=function(){var
e;this._assertUnremoved(),this.resync(),(null==(e=this.opts)?void
0:e.noScope)||this._removeFromScope();if(this._callRemovalHooks())return void
this._markRemoved();this.shareCommentsWithSiblings(),this._remove(),this._markRemoved(),t._removeFromSco
pe=function(){const
e=this.getBindingIdentifiers();Object.keys(e).forEach(e=>this.scope.removeBinding(e))},t._callRemovalHooks=fun
ction(){for(const e of
n.hooks)if(e(this,this.parentPath))return!0},t._remove=function(){Array.isArray(this.container)?(this.container.splice
e(this.key,1),this.updateSiblingKeys(this.key,-
1)):this._replaceWith(null)},t._markRemoved=function(){this._traverseFlags|=i.SHOULD_SKIP|i.REMOVED,this
.node=null},t._assertUnremoved=function(){if(this.removed)throw this.buildCodeFrameError( "\"NodePath has been
removed so is read-only.\"");var n=r(366),i=r(8)},function(e,t,r){use
strict";Object.defineProperty(t, "__esModule", { value: !0}),t.hooks=void
0;t.hooks=[function(e,t){if( "\"test\" === e.key && (t.isWhile() || t.isSwitchCase()) || \"declaration\" === e.key && t.isE
xportDeclaration() || \"body\" === e.key && t.isLabeledStatement() || \"declarations\" === e.listKey && t.isVariableD
eclaration() && 1 === t.node.declarations.length || \"expression\" === e.key && t.isExpressionStatement())return
t.remove(),!0},function(e,t){if(t.isSequenceExpression() && 1 === t.node.expressions.length)return
t.replaceWith(t.node.expressions[0]),!0},function(e,t){if(t.isBinary())return "\"left\" === e.key ? t.replaceWith(t.node
.right): t.replaceWith(t.node.left),!0},function(e,t){if(t.isIfStatement() && ( "\"consequent\" === e.key || \"alternate\"
=== e.key ) || \"body\" === e.key && (t.isLoop() || t.isArrowFunctionExpression()))return
e.replaceWith({ type: \"BlockStatement\", body: [] },!0)},function(e,t,r){use
strict";Object.defineProperty(t, "__esModule", { value: !0}),t.insertBefore=function(e){this._assertUnremoved()
,e=this._verifyNodeList(e);const { parentPath: t } = this;if(t.isExpressionStatement() || t.isLabeledStatement() || t.isExport
NamedDeclaration() || t.isExportDefaultDeclaration() && this.isDeclaration())return
t.insertBefore(e);if(this.isNodeType( "\"Expression\" ") && !this.isJSXElement() || t.isForStatement() && ( "\"init\" ===
this.key ) )return
this.node && e.push(this.node),this.replaceExpressionWithStatements(e);if(Array.isArray(this.container))return
this._containerInsertBefore(e);if(this.isStatementOrBlock()){const
t=this.node && (!this.isExpressionStatement() || null != this.node.expression);return
this.replaceWith(a.blockStatement(t?[this.node]:[]),this.unshiftContainer( "\"body\" ",e))throw new Error( "\"We
don't know what to do with this node type. We were previously a Statement but we can't fit in
here?\"");t._containerInsert=function(e,t){this.updateSiblingKeys(e,t.length);const
r=[];this.container.splice(e,0,...t);for(let n=0;n<t.length;n++){const

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t=e+n,i=this.getSibling(t);r.push(i),this.context&&this.context.queue&&i.pushContext(this.context)}const
n=this._getQueueContexts();for(const e of r){e.setScope(),e.debug(\\\\"Inserted.\\\\"");for(const t of
n)t.maybeQueue(e,!0)}return r},t._containerInsertBefore=function(e){return
this._containerInsert(this.key,e)},t._containerInsertAfter=function(e){return
this._containerInsert(this.key+1,e)},t.insertAfter=function(e){this._assertUnremoved(),e=this._verifyNodeList(e);co
nst {parentPath:t}=this;if(t.isExpressionStatement())|t.isLabeledStatement())|t.isExportNamedDeclaration())|t.isExpor
tDefaultDeclaration())&&this.isDeclaration())return
t.insertAfter(e.map(e=>a.isExpression(e)?a.expressionStatement(e):e));if(this.isNodeType(\\\\"Expression\\\\"))&&!thi
s.isJSXElement())&&!t.isJSXElement())|t.isForStatement())&&\\\\"init\\\\"===this.key){if(this.node){let {scope:r}=this
;t.isMethod({computed:!0,key:this.node})&&(r=r.parent);const
n=r.generateDeclaredUidIdentifier();e.unshift(a.expressionStatement(a.assignmentExpression(\\\\"=\\\\"),a.cloneNode(
n),this.node))),e.push(a.expressionStatement(a.cloneNode(n)))}return
this.replaceExpressionWithStatements(e)}if(Array.isArray(this.container))return
this._containerInsertAfter(e);if(this.isStatementOrBlock()){const
t=this.node&&(!this.isExpressionStatement())|null!=this.node.expression);return
this.replaceWith(a.blockStatement(t?[this.node]:[]),this.pushContainer(\\\\"body\\\\"),e)}throw new Error(\\\\"We don't
know what to do with this node type. We were previously a Statement but we can't fit in
here?\\\\""},t.updateSiblingKeys=function(e,t){if(!this.parent)return;const r=n.path.get(this.parent);for(let
n=0;n<r.length;n++){const
i=r[n];i.key>=e&&(i.key+=t)}},t._verifyNodeList=function(e){if(!e)return[];e.constructor!==Array&&(e=[e]);for(l
et t=0;t<e.length;t++){const r=e[t];let n;if(r\\\\"object\\\\"!=typeof r?n=\\\\"contains a non-object node\\\\"":r.type?r
instanceof s.default&&(n=\\\\"has a NodePath when it expected a raw object\\\\""):n=\\\\"without a type\\\\"":n=\\\\"has
falsy node\\\\"",n){const e=Array.isArray(r)?\\\\"array\\\\":typeof r;throw new Error(`Node list ${n} with the index of
${t} and type of ${e}`)}}}return
e},t.unshiftContainer=function(e,t){this._assertUnremoved(),t=this._verifyNodeList(t);return
s.default.get({parentPath:this,parent:this.node,container:this.node[e],listKey:e,key:0})._containerInsertBefore(t)},t.p
ushContainer=function(e,t){this._assertUnremoved(),t=this._verifyNodeList(t);const r=this.node[e];return
s.default.get({parentPath:this,parent:this.node,container:r,listKey:e,key:r.length}).replaceWithMultiple(t)},t.hoist=f
unction(e=this.scope){return new i.default(this,e).run()};var
n=r(38),i=l(r(368)),s=l(r(8)),a=function(e){if(e&&e.__esModule)return e;if(null===e|\\\\"object\\\\"!=typeof
e&&\\\\"function\\\\"!=typeof e)return {default:e};var t=o();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0));function o(){if(\\\\"function\\\\"!=typeof WeakMap)return null;var e=new
WeakMap;return o=function(){return e},e}function l(e){return
e&&e.__esModule?e:{default:e}},function(e,t,r){\\\\"use
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\"",{value:!0}),t.default=void 0;var
n=function(e){if(e&&e.__esModule)return e;if(null===e|\\\\"object\\\\"!=typeof e&&\\\\"function\\\\"!=typeof
e)return {default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get|a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if(\\\\"function\\\\"!=typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e}const
s={ReferencedIdentifier(e,t){if(e.isJSXIdentifier())&&n.react.isCompatTag(e.node.name)&&!e.parentPath.isJSXMe
mberExpression())return;if(\\\\"this\\\\"===e.node.name){let
r=e.scope;do {if(r.path.isFunction())&&!r.path.isArrowFunctionExpression()}while(r=r.parent);r&&t.breakOn

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ScopePaths.push(r.path)}const r=e.scope.getBinding(e.node.name);if(r){for(const n of
r.constantViolations)if(n.scope!==r.path.scope)return t.mutableBinding=!0,void
e.stop();r===t.scope.getBinding(e.node.name)&&(t.bindings[e.node.name]=r)}};t.default=class{constructor(e,t){th
is.isOnScopePaths=[],this.bindings={},this.mutableBinding=!1,this.scopes=[],this.scope=t,this.path=e,this.attac
hAfter=!1}isCompatibleScope(e){for(const t of Object.keys(this.bindings)){const
r=this.bindings[t];if(!e.bindingIdentifierEquals(t,r.identifier))return!1}return!0}getCompatibleScopes(){let
e=this.path.scope;do{if(!this.isCompatibleScope(e))break;if(this.scopes.push(e),this.isOnScopePaths.indexOf(e
.path)>=0)break}while(e=e.parent)}getAttachmentPath(){let e=this._getAttachmentPath();if(!e)return;let
t=e.scope;if(t.path===e&&(t=e.scope.parent),t.path.isProgram()||t.path.isFunction())for(const r of
Object.keys(this.bindings)){if(!t.hasOwnBinding(r))continue;const
n=this.bindings[r];if(\\\\"param\\"===n.kind||\\\\"params\\"===n.path.parentKey)continue;if(this.getAttachmentPare
ntForPath(n.path).key>=e.key){this.attachAfter=!0,e=n.path;for(const t of
n.constantViolations)this.getAttachmentParentForPath(t.key>e.key&&(e=t)}return e}_getAttachmentPath(){const
e=this.scopes.pop();if(e)if(e.path.isFunction()){if(!this.hasOwnParamBindings(e))return
this.getNextScopeAttachmentParent();if(this.scope===e)return;const
t=e.path.get(\\\\"body\\\\").get(\\\\"body\\\\"");for(let e=0;e<t.length;e++)if(!t[e].node._blockHoist)return t[e]}else
if(e.path.isProgram())return this.getNextScopeAttachmentParent()getNextScopeAttachmentParent(){const
e=this.scopes.pop();if(e)return
this.getAttachmentParentForPath(e.path)}getAttachmentParentForPath(e){do{if(!e.parentPath||Array.isArray(e.cont
ainer)&&e.isStatement())return e}while(e=e.parentPath)}hasOwnParamBindings(e){for(const t of
Object.keys(this.bindings)){if(!e.hasOwnBinding(t))continue;const
r=this.bindings[t];if(\\\\"param\\"===r.kind&&r.constant)return!0}return!1}run(){if(this.path.traverse(s,this),this.mu
tableBinding)return;this.getCompatibleScopes();const
e=this.getAttachmentPath();if(!e)return;if(e.getFunctionParent()===this.path.getFunctionParent())return;let
t=e.scope.generateUidIdentifier(\\\\"ref\\\\"");const
r=n.variableDeclarator(t,this.path.node),i=this.attachAfter?\\\\"insertAfter\\\\":\\\\"insertBefore\\\\",[a]=e[i]([e.isVariabl
eDeclarator()?r:n.variableDeclaration(\\\\"var\\\\",[r])),o=this.path.parentPath;return
o.isJSXElement()&&this.path.container===o.node.children&&(t=n.JSXExpressionContainer(t)),this.path.replaceWi
th(n.cloneNode(t),e.isVariableDeclarator()?a.get(\\\\"init\\\\""):a.get(\\\\"declarations.0.init\\\\"))},function(e,t,r){\\\\"us
e
strict\\\\";Object.defineProperty(t,\\\\"__esModule\\\\",{value:!0}),t.getOpposite=function(){if(\\\\"left\\\\"===this.key)r
eturn this.getSibling(\\\\"right\\\\"");if(\\\\"right\\\\"===this.key)return
this.getSibling(\\\\"left\\\\"")},t.getCompletionRecords=function(){let
e=[];if(this.isIfStatement())e=o(this.get(\\\\"consequent\\\\""),e),e=o(this.get(\\\\"alternate\\\\""),e);else
if(this.isDoExpression()||this.isFor()||this.isWhile())e=o(this.get(\\\\"body\\\\""),e);else
if(this.isProgram()||this.isBlockStatement())e=o(this.get(\\\\"body\\\\"").pop(),e);else if(this.isFunction())return
this.get(\\\\"body\\\\"").getCompletionRecords();this.isTryStatement()?(e=o(this.get(\\\\"block\\\\""),e),e=o(this.get(\\\\"ha
ndler\\\\""),e)):this.isCatchClause()?e=o(this.get(\\\\"body\\\\""),e):this.isSwitchStatement()?e=function(e,t){let
r=!0;for(let n=e.length-1;n>=0;n--){const i=e[n].get(\\\\"consequent\\\\"");let
s=l(i);if(s){for(;0===s.key&&s.parentPath.isBlockStatement();s=s.parentPath;const
e=s.getPrevSibling();s.key>0&&(e.isExpressionStatement()||e.isBlockStatement())?(t=o(e,t),s.remove()):s.replace
With(s.scope.buildUndefinedNode(),t=o(s,t))}else if(r){const
e=t=>!t.isBlockStatement()||t.get(\\\\"body\\\\"").some(e);i.some(e)&&(t=o(i.length-1,t),r=!1)}return
t}(this.get(\\\\"cases\\\\""),e):e.push(this)}return e},t.getSibling=function(e){return
i.default.get({parentPath:this.parentPath,parent:this.parent,container:this.container,listKey:this.listKey,key:e}),t.get
PrevSibling=function(){return this.getSibling(this.key-1)},t.getNextSibling=function(){return
this.getSibling(this.key+1)},t.getAllNextSiblings=function(){let e=this.key,t=this.getSibling(++e);const
r=[];for(;t.node;)r.push(t),t=this.getSibling(++e);return r},t.getAllPrevSiblings=function(){let

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e=this.key,t=this.getSibling(--e);const r=[];for(;t.node;)r.push(t),t=this.getSibling(--e);return
r},t.get=function(e,t){!0===t&&(t=this.context);const r=e.split("\\\\".\\"");return
1===r.length?this._getKey(e,t):this._getPattern(r,t)},t._getKey=function(e,t){const r=this.node,n=r[e];return
Array.isArray(n)?n.map((s,a)=>i.default.get({listKey:e,parentPath:this,parent:r,container:n,key:a}).setContext(t)):i.d
efault.get({parentPath:this,parent:r,container:r,key:e}).setContext(t)},t._getPattern=function(e,t){let r=this;for(const
n of e)r=r\\"\\\\"===n?r.parentPath:Array.isArray(r)?r[n]:r.get(n,t);return
r},t.getBindingIdentifiers=function(e){return
s.getBindingIdentifiers(this.node,e)},t.getOuterBindingIdentifiers=function(e){return
s.getOuterBindingIdentifiers(this.node,e)},t.getBindingIdentifierPaths=function(e=!1,t=!1){let
r=[];r.concat(this);const n=Object.create(null);for(;r.length;){const i=r.shift();if(!i)continue;if(!i.node)continue;const
a=s.getBindingIdentifiers.keys[i.node.type];if(i.isIdentifier())if(e){(n[i.node.name]=n[i.node.name]||[]).push(i)}else
n[i.node.name]=i;else if(i.isExportDeclaration()){const
e=i.get("\\\\\"declaration\\\\"");e.isDeclaration()&&r.push(e)}else if(t){if(i.isFunctionDeclaration()){r.push(i.get("\\\\\"id\\\\"
"));continue}if(i.isFunctionExpression())continue}if(a)for(let e=0;e<a.length;e++){const
t=a[e],n=i.get(t);(Array.isArray(n)||n.node)&&(r=r.concat(n))}}return
n},t.getOuterBindingIdentifierPaths=function(e){return this.getBindingIdentifierPaths(e,!0)};var
n,i=(n=r(8))&&n.__esModule?n:{default:n},s=function(e){if(e&&e.__esModule)return
e;if(null===e||\\"\\\"object\\\\"!=typeof e&&\\"\\\"function\\\\"!=typeof e)return {default:e};var t=a();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0));function a(){if("\\\\\"function\\\\"!=typeof WeakMap)return null;var e=new
WeakMap;return a=function(){return e},e}function o(e,t){return e?t.concat(e.getCompletionRecords()):t}function
l(e){let t;Array.isArray(e)||(e=[e]);for(const i of
e){if(i.isDoExpression()||i.isProgram()||i.isBlockStatement()||i.isCatchClause()||i.isLabeledStatement())t=l(i.get("\\\\\"b
ody\\\\""));else if(i.isIfStatement()){var r;t=null!=(r=l(i.get("\\\\\"consequent\\\\"\")))?r:l(i.get("\\\\\"alternate\\\\"\"))}else
if(i.isTryStatement()){var n;t=null!=(n=l(i.get("\\\\\"block\\\\"\")))?n:l(i.get("\\\\\"handler\\\\"\"))}else
i.isBreakStatement()&&(t=i);if(t)return t}return null}},function(e,t,r){\\"\\\"use
strict\\\\";Object.defineProperty(t,\\"\\\"__esModule\\\\"\",{value:!0}),t.shareCommentsWithSiblings=function(){if("\\\\\"stri
ng\\\\"==typeof this.key)return;const e=this.node;if(!e)return;const
t=e.trailingComments,r=e.leadingComments;if(!t&&!r)return;const n=this.getSibling(this.key-
1),i=this.getSibling(this.key+1),s=Boolean(n.node),a=Boolean(i.node);s&&!a?n.addComments("\\\\\"trailing\\\\"\",t):a&
&!s&&i.addComments("\\\\\"leading\\\\"\",r)},t.addComment=function(e,t,r){n.addComment(this.node,e,t,r)},t.addCom
ments=function(e,t){n.addComments(this.node,e,t)};var n=function(e){if(e&&e.__esModule)return
e;if(null===e||\\"\\\"object\\\\"!=typeof e&&\\"\\\"function\\\\"!=typeof e)return {default:e};var t=i();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get|a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("\\\\\"function\\\\"!=typeof WeakMap)return null;var e=new
WeakMap;return i=function(){return e},e}function e(e,t,r){\\"\\\"use
strict\\\\";Object.defineProperty(t,\\"\\\"__esModule\\\\"\",{value:!0}),t.explode=o,t.verify=1,t.merge=function(e,t=[],r){co
nst n=[];for(let i=0;i<e.length;i++){const s=e[i],a=t[i];o(s);for(const e of Object.keys(s)){let
t=s[e];(a|t)&&(t=p(t,a,r));f(n[e]=n[e]||[],t)}return n};var n=a(r(63)),i=a(r(0));function
s(){if("\\\\\"function\\\\"!=typeof WeakMap)return null;var e=new WeakMap;return s=function(){return e},e}function
a(e){if(e&&e.__esModule)return e;if(null===e||\\"\\\"object\\\\"!=typeof e&&\\"\\\"function\\\\"!=typeof
e)return {default:e};var t=s();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var

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a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}function o(e){if(e._exploded)return e;e._exploded=!0;for(const t of
Object.keys(e)){if(h(t))continue;const r=t.split("\\\\");if(1===r.length)continue;const n=e[t];delete e[t];for(const t
of r)e[t]=n}l(e),delete e.__esModule,function(e){for(const t of Object.keys(e)){if(h(t))continue;const
r=e[t];\\"function\\"===typeof r&&(e[t]={enter:r})}(e),u(e);for(const t of Object.keys(e)){if(h(t))continue;const
r=n[t];if(!r)continue;const i=e[t];for(const e of Object.keys(i))i[e]=d(r,i[e]);if(delete e[t],r.types)for(const t of
r.types)e[t]?f(e[t],i):e[t]=i;else f(e,i)}for(const t of Object.keys(e)){if(h(t))continue;const r=e[t];let
n=i.FLIPPED_ALIAS_KEYS[t];const s=i.DEPRECATED_KEYS[t];if(s&&(console.trace(`Visitor defined for ${t}
but it has been renamed to ${s}`),n=[s],n){delete e[t];for(const t of n){const
n=e[t];n?f(n,r):e[t]=Object.assign({},r)}}}for(const t of Object.keys(e))h(t)||u(e[t]);return e}function
l(e){if(!e._verified){if("\\\\function\\"===typeof e)throw new Error("\\\\You passed `traverse()` a function when it
expected a visitor object, are you sure you didn't mean ` enter: Function `?\\");for(const t of
Object.keys(e)){if("\\\\enter\\"!==t&&\\"exit\\"!==t||c(t,e[t]),h(t))continue;if(i.TYPES.indexOf(t)<0)throw new
Error(`You gave us a visitor for the node type ${t} but it's not a valid type`);const r=e[t];if("\\\\object\\"===typeof
r)for(const e of Object.keys(r)){if("\\\\enter\\"!==e&&\\"exit\\"!==e)throw new Error(`You passed
\\\\traverse()\\\\` a visitor object with the property ${t} that has the invalid property
${e}`);c(${t},${e},r[e])}e._verified=!0}}function c(e,t){const r=[];concat(t);for(const t of
r)if("\\\\function\\"!==typeof t)throw new TypeError(`Non-function found defined in ${e} with type ${typeof
t}`)}function p(e,t,r){const n={};for(const i of Object.keys(e)){let
s=e[i];Array.isArray(s)&&(s=s.map((function(e){let n=e;return t&&(n=function(r){return
e.call(t,r,t)},r&&(n=r(t.key,i,n)),n!==e&&(n.toString()=>e.toString()),n[i]=s)}return n)}function
u(e){e.enter&&!Array.isArray(e.enter)&&(e.enter=[e.enter]),e.exit&&!Array.isArray(e.exit)&&(e.exit=[e.exit])}fu
nction d(e,t){const r=function(r){if(e.checkPath(r))return t.apply(this,arguments)};return
r.toString()=>t.toString(),r}function
h(e){return\\"_\\"===e[0]||("\\\\enter\\"===e||\\"exit\\"===e||\\"shouldSkip\\"===e||\\"denylist\\"===e||\\"noSc
ope\\"===e||\\"skipKeys\\"===e||\\"blacklist\\"===e)}function f(e,t){for(const r of
Object.keys(t))e[r]=[];concat(e[r]||[],t[r])},function(e,t,r){\\"use
strict\\";Object.defineProperty(t,\\"__esModule\\",{value:!0}),t.default=void
0;t.default=class{getCode(){getScope(){}}addHelper(){throw new Error("\\\\Helpers are not supported by the
default hub.\\")}}buildError(e,t,r=TypeError){return new r(t)}},function(e,t,r){var n,i,s;!function(r,a){\\"use
strict\\";i=[],void 0===s||(s\\"function\\"===typeof(n=function(){function e(e){return
e.charAt(0).toUpperCase()+e.substring(1)}function t(e){return function(){return this[e]}}var
r=[\\"isConstructor\\",\\"isEval\\",\\"isNative\\",\\"isToplevel\\",n=[\\"columnNumber\\",\\"lineNumber\\"],i
=[\\"fileName\\",\\"functionName\\",\\"source\\"],s=r.concat(n,i,[\\"args\\"]);function a(t){if(t)for(var
r=0;r<s.length;r++)void 0!==t[s[r]]&&this[\\"set\\"+e(s[r])](t[s[r]])}a.prototype={getArgs:function(){return
this.args},setArgs:function(e){if("\\\\[object Array]\\\\"!==Object.prototype.toString.call(e))throw new
TypeError("\\\\Args must be an Array\\");this.args=e},getEvalOrigin:function(){return
this.evalOrigin},setEvalOrigin:function(e){if(e instanceof a)this.evalOrigin=e;else if(!(e instanceof Object))throw
new TypeError("\\\\Eval Origin must be an Object or StackFrame\\");this.evalOrigin=new
a(e)}},toString:function(){var
e=this.getFileName()||\\"\\",t=this.getLineNumber()||\\"\\",r=this.getColumnNumber()||\\"\\",n=this.getFunctionN
ame()||\\"\\";return this.getIsEval()?e?\\"[eval]
(\\\\"+e+\\\\"":\\""+t+\\\\"":\\""+r+\\\\"")\\\\"":\\"[eval]:\\\\"+t+\\\\"":\\""+r+\\\\"n+\\\\"
(\\\\"+e+\\\\"":\\""+t+\\\\"":\\""+r+\\\\"")\\\\"":e+\\\\"":\\""+t+\\\\"":\\""+r}}},a.fromString=function(e){var
t=e.indexOf("\\\\(\\\\"),r=e.lastIndexOf("\\\\)\\\\"),n=e.substring(0,t),i=e.substring(t+1,r).split("\\\\,\\\\"),s=e.substring(r+1)
;if(0===s.indexOf("\\\\@\\\\"))var o=/@(.+)?(?::\\\\(d+))?(?::\\\\(d+))?$/;$.exec(s,\\\\"\\\\"),l=o[1],c=o[2],p=o[3];return
new a({functionName:n,args:i||void 0,fileName:l,lineNumber:c||void 0,columnNumber:p||void 0});for(var
o=0;o<r.length;o++)a.prototype[\\"get\\"+e(r[o])]=t(r[o]),a.prototype[\\"set\\"+e(r[o])]=function(e){return

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function(t){this[e]=Boolean(t)}(r[o]);for(var
l=0;l<n.length;l++)a.prototype[["get"+"e(n[l])"]=t(n[l]),a.prototype[["set"+"e(n[l])"]=function(e){return
function(t){if(r=t,isNaN(parseFloat(r))||!isFinite(r))throw new TypeError(e+" must be a Number");var
r;this[e]=Number(t)}(n[l]);for(var
c=0;c<i.length;c++)a.prototype[["get"+"e(i[c])"]=t(i[c]),a.prototype[["set"+"e(i[c])"]=function(e){return
function(t){this[e]=String(t)}(i[c]);return a})?n.apply(t,i:n)((e.exports=s)}()),function(e,t,r){["use
strict"];r.r(t),r.d(t,["parseSourceAndMetadata"],(function(){return
Y})),r.d(t,["purgeCachedMetadata"],(function(){return W}));var n=r(60),i=r(61),s=r.n(i);["undefined"]!=typeof
performance&&["function"]==typeof performance.mark&&performance.clearMarks;const
a=["undefined"]!=typeof performance&&["function"]==typeof performance.now;function o(){return
a?performance.now():Date.now()}function l(e,t,r){const n=o();const i=t();if(null!=r){r(o()-n)}return i}var
c=r(17),p=r.n(c);const
u=Object.freeze({PROGRAM:["Program"],CALL_EXPRESSION:["CallExpression"],MEMBER_EXPRESSION:
["MemberExpression"],ARRAY_PATTERN:["ArrayPattern"],IDENTIFIER:["Identifier"],NUMERIC_
LITERAL:["NumericLiteral"],VARIABLE_DECLARATOR:["VariableDeclarator"]});function
d(e,t,r=null){const{start:n,end:i}=e.node.loc;return t===n.line&&!(!null!==(r&&(r-
=1,t===n.line&&r<n.column||t===i.line&&r>i.column))}function h(e){return
e.node.init.property.type===u.NUMERIC_LITERAL&&0===e.node.init.property.value}function f(e,t,r){let
n=[];return!function(e){const
t=e.node.id;if(t.type===u.ARRAY_PATTERN||t.type===u.IDENTIFIER&&!S(e))return!0;return!1}(e)?n.t.filter(
=>function(e,t){const r=e.node.id.name;return
null!=r&&(r===(t.node.init.object&&t.node.init.object.name)||r===t.node.init.name)}(e,t):n.unshift(e),n}function
m(e,t,r,n,i){const s=l(0,()=>function(e){const t=[];return
l(0,()=>p()(e,{enter(e){e.isVariableDeclarator()&&function(e){const
t=e.node.init;if(null!=t){if(t.type===u.CALL_EXPRESSION){return
b(t.callee)}if(t.type===u.MEMBER_EXPRESSION||t.type===u.IDENTIFIER)return!0}return!1}(e)&&t.push(e)}
)),t)(t);let a=null;if(0===i){const e=s.filter(e=>{const t=d(e,n),r=T(e);return t&&r});1===e.length&&(a=e[0])}else
a=s.find(e=>{const t=d(e,n,i),r=T(e);return t&&r});if(!a)return null;try{const t=l(0,()=>f(a,s));return
l(0,()=>function(e,t,r){let n;const i=null===e.id;switch(t.length){case
1:if(i&&t[0]===r){n=y(r,i);break}n=y(t[0]);break;case 2:if(1!==(t=t.filter(e=>h(e))).length)throw new
Error(["Couldn't isolate AST Node containing hook variable."]);n=y(t[0]);break;default:n=y(r)}return
n}(e,t,a))}catch(e){return console.error(e),null}}function y(e,t=!1){var r,n;switch(e.node.id.type){case
u.ARRAY_PATTERN:return t?null:null!==(r=null===(n=e.node.id.elements[0])||void 0===n?void
0:n.name)&&void 0!==(r:r:null);case u.IDENTIFIER:return e.node.id.name;default:return null}}function T(e){const
t=e.node.init;if(null==t||t.type!=u.CALL_EXPRESSION)return!1;return b(t.callee)}function
b(e){if(e.type===u.IDENTIFIER)return t=e.name,/^use[A-Z0-
9].*$/ .test(t);if(e.type===u.MEMBER_EXPRESSION&&!e.computed&&b(e.property)){const t=e.object,r=/[A-
Z].*/;return t.type===u.IDENTIFIER&&r.test(t.name)}return!1;var t}function g(e,t){return
e.name===t||["MemberExpression"]===e.type&&["React"]===e.object.name&&e.property.name===t}functio
n S(e){const t=e.node.init.callee;return g(t,["useState"])|g(t,["useReducer"])|g(t,["useTransition"])}var
x=r(129),E=r.n(x),P=r(62),v=r.n(P);let A=null;new WeakMap;function
w({fileName:e,lineNumber:t,columnNumber:r}){if(null===e||null===t||null===r)throw Error(["Hook source code
location not found."]);return`${e}:${t}:${r}`}for(var
O=r(21),I={},C=["ABCDEFGHIJKLMN O PQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/-"],N=
0;N<C.length;N++)I[C.charCodeAt(N)]=N;function k(e){for(var
t=[],r=[],n=[0,0,0,0],i=0,s=0,a=0,o=0; s<e.length;s++){var l=e.charCodeAt(s);if(44===l)D(r,n,i),i=0;else
if(59===l)D(r,n,i),i=0,t.push(r),r=[],n[0]=0;else{var c=I[l];if(void 0===c)throw new Error(["Invalid character
("+String.fromCharCode(l)+")"]);var p=32&c;if(o+=(c&=31)<<a,p)a+=5;else{var

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u=1&o;o>>>=1,u&&(o=0===o?-2147483648:-o),n[i]+=o,i++,o=a=0}}return D(r,n,i),t.push(r),t}function
D(e,t,r){4===r?e.push([t[0],t[1],t[2],t[3]]):5===r?e.push([t[0],t[1],t[2],t[3],t[4]]):1===r&&e.push([t[0]])}function
_(e,t){const{name:r,mappings:n}=t,i=L(e,n,M);if(null===i)throw new Error(`Expected to find a line in the
HookMap that covers the target location at line: ${e.line}, column: ${e.column}`);let s;if(s=F(i)!==e.line?i[i.length-
1]:L(e,i,j),null===s)throw new Error(`Expected to find a mapping in the HookMap that covers the target location at
line: ${e.line}, column: ${e.column}`);const a=function(e){const t=e[2];if(null===t)throw new Error(`Unexpected
hook name index missing in entry in HookMap`);return t}(s);if(null===a)throw new Error(`Expected to find a
name index in the HookMap that covers the target location at line: ${e.line}, column: ${e.column}`);const
o=r[a];if(null===o)throw new Error(`Expected to find a name in the HookMap that covers the target location at line:
${e.line}, column: ${e.column}`);return`<no-hook>`===o?null:o}function L(e,t,r){let
n,i=t.length,s=0,a=0;for(;i>0;){s=a,n=Math.floor(i/2),s+=n;const
o=r(e,t,s);if(0===o.direction){if(null===o.index)throw new Error(`Expected an index when matching element is
found.`);a=o.index;break}o.direction>0?(s++,a=s,i-=n+1):i=n}return null!=a?t[a]:null}function M(e,t,r){const
n=r,i=t[n];if(null===i)throw new Error(`Unexpected line missing in HookMap at index ${r}.`);const s=F(i);let
a,o=r+1;const l=t[o];return
null!=l?a=F(l):(o=n,a=s),s===e.line?{index:n,direction:0}:a===e.line|e.line>a&&null!=l?{index:o,direction:0}:s<e
.line&&e.line<a?{index:n,direction:0}:{index:null,direction:e.line-s}}function j(e,t,r){const
n=r,i=t[r];if(null===i)throw new Error(`Unexpected mapping missing in HookMap line at index ${r}.`);const
s=R(i);let a,o=r+1;const l=t[o];return
null!=l?a=R(l):(o=n,a=s),s===e.column?{index:n,direction:0}:a===e.column|e.column>a&&null!=l?{index:o,dire
ction:0}:s<e.column&&e.column<a?{index:n,direction:0}:{index:null,direction:e.column-s}}function F(e){return
function(e){const t=e[0];if(null===t)throw new Error(`Unexpected line number missing in entry in
HookMap`);return t}(e[0])}function R(e){const t=e[1];if(null===t)throw new Error(`Unexpected column number
missing in entry in HookMap`);return t}function B(e,t){const{sourceRoot:r}=t;let n=e;return
n=String(n),n=O.normalize(n),n=null!=r&&O.isAbsolute(r)&&O.isAbsolute(n)?O.relative(r,n):n,O.computeSource
URL(r,n)}class U{constructor(e){this._sourceMap=e,this._decodedHookMapCache=new
Map,this._metadataBySource=null}hookNameFor({line:e,column:t,source:r}){if(null===r)return null;const
n=this._getHookMapForSource(r);return null===n?null:_({line:e,column:t},n).hasHookMap(e)}return
null!=e&&null!=this._getHookMapForSource(e)}_getMetadataBySource(){return
null===this._metadataBySource&&(this._metadataBySource=this._getMetadataObjectsBySourceNames(this._source
Map)),this._metadataBySource}_getMetadataObjectsBySourceNames(e){if(void 0===e.mappings){const
t=e,r=new Map;return
t.sections.forEach(e=>{this._getMetadataObjectsBySourceNames(e.map).forEach((e,t=>{r.set(t,e)})),r}const
t=new Map,r=e,n=(e,n=>{let
i=r.sources[n];null!=i&&(i=B(i,r),t.set(i,e));if(e.hasOwnProperty(`x_react_sources`))&&null!=e.x_react_sourc
es){e.x_react_sources.filter(Boolean).forEach(n)}else
if(e.hasOwnProperty(`x_facebook_sources`))&&null!=e.x_facebook_sources){const
t=e.x_facebook_sources;null!=t&&t.forEach((e,t=>{const r=null!=e?e[1]:null;null!=r&&n(r,t)}))return
t}_getHookMapForSource(e){if(this._decodedHookMapCache.has(e))return
this._decodedHookMapCache.get(e);let t=null;const
r=this._getMetadataBySource(),n=B(e,this._sourceMap),i=r.get(n);if(null!=i){const
e=i[0];t=null!=e?function(e){return{name:e.names,mappings:k(e.mappings)}(e):null}return
null!=t&&this._decodedHookMapCache.set(e,t,t)}function V(e){return null!=e.sections?function(e){let t={line:-
1,column:0};const r=e.sections.map(e=>{const
r=e.offset,n=r.line,i=r.column;if(n<t.line|n===t.line&&i<t.column)throw new Error(`Section offsets must be
ordered and non-overlapping.`);return
t=r,{generatedLine:n+1,generatedColumn:i+1,map:e.map,sourceMapConsumer:null}});return{originalPositionFor:f
unction({columnNumber:e,lineNumber:t}){const n=e-1;let i=null,s=0,a=r.length-1,o=-

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1;for(;s<=a;){o=Math.floor((a+s)/2),i=r[o];const e=i.generatedLine;if(e===t){const
e=i.generatedColumn;if(e===t)break;if(e>n){if(!(a-o>0)){o=a;break}a=o}else{if(!(o-s>0)){o=s;break}s=o}}else
if(e>t){if(!(a-o>0)){o=a;break}a=o}else{if(!(o-s>0)){o=s;break}s=o}}if(null===i)throw Error(`Could not find
matching section for line:${t} and column:${e}`);return
null===i.sourceMapConsumer&&(i.sourceMapConsumer=new
V(i.map)),i.sourceMapConsumer.originalPositionFor({columnNumber:e,lineNumber:t}})(e):function(e){const
t=l(0,()=>k(e.mappings));return{originalPositionFor:function({columnNumber:r,lineNumber:n}){var i;const s=r-
1,a=t[n-1];let o=null,l=0,c=a.length-1,p=-1;for(;l<=c;){p=Math.floor((c+l)/2),o=a[p];const
e=o[0];if(e===s)break;if(e>s){if(!(c-p>0)){p=c;break}c=p}else{if(!(p-l>0)){p=l;break}l=p}}for(;p>0;){if(a[p-
1][0]!==s)break;p--}if(null===o)throw Error(`Could not find runtime location for line:${n} and column:${r}`);const
u=o[1],d=null!=e.sourcesContent?e.sourcesContent[u]:null,h=null!==(i=e.sources[u])&&void
0!==(i?i:null,f=o[2]+1,m=o[3];if(null===d||null===h)throw Error(`Could not find original source for line:${n} and
column:${r}`);return{column:m,line:f,sourceContent:d,sourceURL:h}}}(e)}const K=new s.a({max:50}),q=new
s.a({max:50,dispose:(e,t)=>{0}});const Y=async function(e,t){return async function(e,t,r){const n=o(),i=await
t();if(null!=r){r(o()-n)}return i}(0,async()=>{const r=l(0,()=>function(e){const t=new Map;return
e.forEach((e,r)=>{t.set(r,{metadataConsumer:null,originalSourceAST:null,originalSourceCode:null,originalSource
URL:null,originalSourceLineNumber:null,originalSourceColumnNumber:null,sourceMapConsumer:null}})},t)(t);r
eturn l(0,()=>function(e,t){e.forEach((e,r)=>{const n=t.get(r);if(null===n)throw Error(`Expected to find
HookParsedMetadata for
\\\\"$${r}\\\"`)});const {runtimeSourceURL:i,sourceMapJSON:s}=e,a=K.get(i);if(null!=a)n.metadataConsumer=a.metad
ataConsumer,n.sourceMapConsumer=a.sourceMapConsumer}else if(null!=s){const e=l(0,()=>V(s)),t=l(0,()=>new
U(s));n.metadataConsumer=t,n.sourceMapConsumer=e,K.set(i,{metadataConsumer:t,sourceMapConsumer:e}})}(t,r)),l(0,()=>function(e,t){e.forEach((e,r)=>{const i=t.get(r);if(null===i)throw Error(`Expected to find
HookParsedMetadata for
\\\\"$${r}\\\"`)});if(null===i.originalSourceAST)return;if(null!=i.originalSourceURL&&null!=i.originalSourceCode&&
null!=i.originalSourceColumnNumber&&null!=i.originalSourceLineNumber)return;const {lineNumber:s,columnNu
mber:a}=e.hookSource;if(null===s||null===a)throw Error(\\\\"Hook source code location not
found.\\\\"");const {metadataConsumer:o,sourceMapConsumer:c}=i,p=e.runtimeSourceCode;let
u,d,h,f,m=!1;if(function(){if(null===A)try{v()}catch(e){E.a.parse(e)[0].lineNumber===P.SOURCE_STACK
_FRAME_LINE_NUMBER&&(A=!0)}return!0===A}()||null===c)h=a,f=s,d=p,u=e.runtimeSourceURL}else{const
{column:e,line:t,sourceContent:r,sourceURL:n}=c.originalPositionFor({columnNumber:a,lineNumber:s});h=e,f=t,
d=r,u=n}if(i.originalSourceCode=d,i.originalSourceURL=u,i.originalSourceLineNumber=f,i.originalSourceColumn
Number=h,null!=o&&o.hasHookMap(u)&&(m=!0),m)return void 0;const
y=q.get(u);if(null!=y)i.originalSourceAST=y.originalSourceAST,i.originalSourceCode=y.originalSourceCode;else
try{const
e=d.indexOf(\\\\"@flow\\\">0?\\\\"flow\\\":\\\\"typescript\\\""},t=l(0,()=>Object(n.parse)(d,{sourceType:\\\\"unambiguou
s\\\"},plugins:[\\\\"jsx\\\""},e]));i.originalSourceAST=t,q.set(u,{originalSourceAST:t,originalSourceCode:d})}catch(e){
throw new Error(`Failed to parse source file: ${u}\\n\\nOriginal error: `+e)}}(t,r)),l(0,()=>function(e,t){const
r=new Map;return e.map(e=>{const n=e.hookSource;if(!n.fileName)return null;const i=w(n),s=t.get(i);if(!s)return
null;const {lineNumber:a,columnNumber:o}=n;if(!a||!o)return
null;const {originalSourceURL:c,originalSourceColumnNumber:p,originalSourceLineNumber:u}=s;if(null===u||null
===p||null===c)return null;let
d;const {metadataConsumer:h}=s,null!=h&&(d=l(0,()=>h.hookNameFor({line:u,column:p,source:c}))),null==d&&(
d=l(0,()=>m(e.s.originalSourceAST,s.originalSourceCode,u,p)));const
f=w(n);r.set(f,d)},r)(e,r)}},W=function(){q.reset(),K.reset()};addEventListener(\\\\"message\\\"",(function(e){var
r,n=e.data,i=n.type,s=n.method,a=n.id,o=n.params;\\\\"RPC\\\"===i&&s&&((r=t[s])?Promise.resolve().then((functio
n(){return r.apply(t,o)})):Promise.reject(\\\\"No such
method\\\"))).then((function(e){postMessage({type:\\\\"RPC\\\"",id:a,result:e}})).catch((function(e){var

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source maps) won't have this.\n sourceMapURL: string | null,\n};\n\nexport type
LocationKeyToHookSourceAndMetadata = Map<\n string,\n HookSourceAndMetadata,\n>;\n\nexport type
HooksList = Array<HooksNode>;\n\nexport async function loadSourceAndMetadata(\n hooksList: HooksList,\n
fetchFileWithCaching: FetchFileWithCaching | null,\n): Promise<LocationKeyToHookSourceAndMetadata> {\n
return withAsyncPerfMeasurements('loadSourceAndMetadata()', async () => {\n const
locationKeyToHookSourceAndMetadata = withSyncPerfMeasurements(\n 'initializeHookSourceAndMetadata',\n
() => initializeHookSourceAndMetadata(hooksList),\n );\n\n await
withAsyncPerfMeasurements('loadSourceFiles()', () =>\n
loadSourceFiles(locationKeyToHookSourceAndMetadata, fetchFileWithCaching),\n );\n\n await
withAsyncPerfMeasurements('extractAndLoadSourceMapJSON()', () =>\n
extractAndLoadSourceMapJSON(locationKeyToHookSourceAndMetadata),\n );\n\n // At this point, we've
loaded JS source (text) and source map (JSON).\n // The remaining works (parsing these) is CPU intensive and
should be done in a worker.\n return locationKeyToHookSourceAndMetadata;\n });\n\n\nfunction
decodeBase64String(encoded: string): Object {\n if (typeof atob === 'function') {\n return atob(encoded);\n }
else if (\n typeof Buffer !== 'undefined' &&\n Buffer !== null &&\n typeof Buffer.from === 'function'\n ) {\n
return Buffer.from(encoded, 'base64');\n } else {\n throw Error('Cannot decode base64 string');\n }
}\n\n\nfunction extractAndLoadSourceMapJSON(\n locationKeyToHookSourceAndMetadata:
LocationKeyToHookSourceAndMetadata,\n): Promise<Array<$Call<<T>(p: Promise<T> | T) => T,
Promise<void>>>> {\n // Deduplicate fetches, since there can be multiple location keys per source map.\n const
dedupedFetchPromises = new Map<string, Promise<$FlowFixMe>>();\n\n if (__DEBUG__) {\n console.log(\n
'extractAndLoadSourceMapJSON() load',\n locationKeyToHookSourceAndMetadata.size,\n 'source maps',\n
);\n }\n\n const setterPromises = [];\n locationKeyToHookSourceAndMetadata.forEach(hookSourceAndMetadata
=> {\n const sourceMapRegex = /?sourceMappingURL=(^[^s"]+)/gm;\n const runtimeSourceCode = \n
((hookSourceAndMetadata.runtimeSourceCode: any): string);\n\n // TODO (named hooks) Search for our custom
metadata first.\n // If it's found, we should use it rather than source maps.\n\n // TODO (named hooks) If this
RegExp search is slow, we could try breaking it up\n // first using an indexOf('sourceMappingURL=') to find the
start of the comment\n // (probably at the end of the file) and then running the RegExp on the remaining
substring.\n let sourceMappingURLMatch = withSyncPerfMeasurements(\n
'sourceMapRegex.exec(runtimeSourceCode)',\n () => sourceMapRegex.exec(runtimeSourceCode),\n );\n\n if
(sourceMappingURLMatch == null) {\n if (__DEBUG__) {\n
console.log('extractAndLoadSourceMapJSON() No source map found');\n }\n\n // Maybe file has not been
transformed; we'll try to parse it as-is in parseSourceAST().\n } else {\n const externalSourceMapURLs = [];\n
while (sourceMappingURLMatch != null) {\n const {runtimeSourceURL} = hookSourceAndMetadata;\n
const sourceMappingURL = sourceMappingURLMatch[1];\n const hasInlineSourceMap =
sourceMappingURL.indexOf('base64,') >= 0;\n if (hasInlineSourceMap) {\n try {\n // TODO
(named hooks) deduplicate parsing in this branch (similar to fetching in the other branch)\n // since there can
be multiple location keys per source map.\n\n // Web apps like Code Sandbox embed multiple inline source
maps.\n // In this case, we need to loop through and find the right one.\n // We may also need to trim
any part of this string that isn't based64 encoded data.\n const trimmed = ((sourceMappingURL.match(\n
/base64,([a-zA-Z0-9+\\|=]+),\n ): any): Array<string>)[1];\n const decoded =
withSyncPerfMeasurements(\n 'decodeBase64String()',\n () => decodeBase64String(trimmed),\n
);\n\n const sourceMapJSON = withSyncPerfMeasurements(\n 'JSON.parse(decoded)',\n ()
=> JSON.parse(decoded),\n );\n\n if (__DEBUG__) {\n console.groupCollapsed(\n
'extractAndLoadSourceMapJSON() Inline source map',\n );\n console.log(sourceMapJSON);\n
console.groupEnd();\n }\n\n // Hook source might be a URL like
'https://4syus.csb.app/src/App.js'\n // Parsed source map might be a partial path like 'src/App.js'\n\n
if (sourceMapIncludesSource(sourceMapJSON, runtimeSourceURL)) {\n
hookSourceAndMetadata.sourceMapJSON = sourceMapJSON;\n\n // OPTIMIZATION If we've located a

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source map for this source,\n          // we'll use it to retrieve the original source (to extract hook names).\n
// We only fall back to parsing the full source code is when there's no source map.\n          // The source is
(potentially) very large,\n          // So we can avoid the overhead of serializing it unnecessarily.\n
hookSourceAndMetadata.runtimeSourceCode = null;\n\n          break;\n          }\n          } catch (error) {\n
// We've likely encountered a string in the source code that looks like a source map but isn't.\n          // Maybe the
source code contains a \"sourceMappingURL\" comment or soething similar.\n          // In either case, let's skip this
and keep looking.\n          }\n          } else {\n          externalSourceMapURLs.push(sourceMappingURL);\n          }\n\n
// If the first source map we found wasn't a match, check for more.\n          sourceMappingURLMatch =
withSyncPerfMeasurements(\n          'sourceMapRegex.exec(runtimeSourceCode)',\n          () =>
sourceMapRegex.exec(runtimeSourceCode),\n          );\n          }\n\n          if (hookSourceAndMetadata.sourceMapJSON
=== null) {\n          externalSourceMapURLs.forEach((sourceMappingURL, index) => {\n          if (index !==
externalSourceMapURLs.length - 1) {\n          // Files with external source maps should only have a single source
map.\n          // More than one result might indicate an edge case,\n          // like a string in the source code that
matched our \"sourceMappingURL\" regex.\n          // We should just skip over cases like this.\n
console.warn(\n          `More than one external source map detected in the source file; skipping
\"${sourceMappingURL}\"`,\n          );\n          return;\n          }\n\n          const {runtimeSourceURL} =
hookSourceAndMetadata;\n          let url = sourceMappingURL;\n          if (!url.startsWith('http') &&
!url.startsWith('/')) {\n          // Resolve paths relative to the location of the file name\n          const lastSlashIdx =
runtimeSourceURL.lastIndexOf('/');\n          if (lastSlashIdx !== -1) {\n          const baseUrl =
runtimeSourceURL.slice(\n          0,\n          runtimeSourceURL.lastIndexOf('/'),\n          );\n          url =
`${baseUrl}/${url}`;\n          }\n          }\n\n          hookSourceAndMetadata.sourceMapURL = url;\n\n          const
fetchPromise =\n          dedupedFetchPromises.get(url) ||\n          fetchFile(url).then(\n          sourceMapContents
=> {\n          const sourceMapJSON = withSyncPerfMeasurements(\n
'JSON.parse(sourceMapContents)',\n          () => JSON.parse(sourceMapContents),\n          );\n\n
return sourceMapJSON;\n          },\n          )\n          // In this case, we fall back to the assumption that the source has no
source map.\n          // This might indicate an (unlikely) edge case that had no source map,\n          // but
contained the string \"sourceMappingURL\".\n          error => null,\n          );\n\n          if (__DEBUG__) {\n
if (!dedupedFetchPromises.has(url)) {\n          console.log(\n          `extractAndLoadSourceMapJSON()
External source map \"${url}\"`,\n          );\n          }\n          }\n\n          dedupedFetchPromises.set(url,
fetchPromise);\n\n          setterPromises.push(\n          fetchPromise.then(sourceMapJSON => {\n          if
(sourceMapJSON !== null) {\n          hookSourceAndMetadata.sourceMapJSON = sourceMapJSON;\n\n
// OPTIMIZATION If we've located a source map for this source,\n          // we'll use it to retrieve the original
source (to extract hook names).\n          // We only fall back to parsing the full source code is when there's no
source map.\n          // The source is (potentially) very large,\n          // So we can avoid the overhead of
serializing it unnecessarily.\n          hookSourceAndMetadata.runtimeSourceCode = null;\n          }\n
}),\n          );\n          });\n          }\n          }\n\n          return Promise.all(setterPromises);\n          }\n\n\nfunction fetchFile(\n url:\n string,\n markName?: string = 'fetchFile',\n): Promise<string> {\n return
withCallbackPerfMeasurements(`${markName}("${url}")`, done => {\n return new Promise((resolve, reject) =>
{\n fetch(url, FETCH_OPTIONS).then(\n response => {\n if (response.ok) {\n response\n
.text()\n          .then(text => {\n          done();\n          resolve(text);\n          })\n          .catch(error =>
{\n          if (__DEBUG__) {\n          console.log(\n          `${markName}() Could not read text for url
\"${url}\"`,\n          );\n          }\n          }\n          done();\n          reject(null);\n          });\n          } else {\n
if (__DEBUG__) {\n          console.log(`${markName}() Got bad response for url \"${url}\"`);\n          }\n
done();\n          reject(null);\n          }\n          },\n          error => {\n          if (__DEBUG__) {\n
console.log(`${markName}() Could not fetch file: ${error.message}`);\n          }\n          done();\n
reject(null);\n          },\n          );\n          });\n          });\n          }\n\n\nexport function hasNamedHooks(hooksTree: HooksTree): boolean
{\n for (let i = 0; i < hooksTree.length; i++) {\n const hook = hooksTree[i];\n if
(!isUnnamedBuiltInHook(hook)) {\n return true;\n }\n\n if (hook.subHooks.length > 0) {\n if

```

```

(hasNamedHooks(hook.subHooks)) {\n    return true;\n    }\n }\n }\n\n return false;\n}\n\nexport function
flattenHooksList(hooksTree: HooksTree): HooksList {\n    const hooksList: HooksList = [];\n
withSyncPerfMeasurements('flattenHooksList()', () => {\n    flattenHooksListImpl(hooksTree, hooksList);\n    });\n\n
if (__DEBUG__) {\n    console.log('flattenHooksList() hooksList:', hooksList);\n    }\n\n return
hooksList;\n}\n\nfunction flattenHooksListImpl(\n    hooksTree: HooksTree,\n    hooksList: Array<HooksNode>,\n):
void {\n    for (let i = 0; i < hooksTree.length; i++) {\n        const hook = hooksTree[i];\n\n        if
(isUnnamedBuiltInHook(hook)) {\n            // No need to load source code or do any parsing for unnamed hooks.\n            if
(__DEBUG__) {\n                console.log('flattenHooksListImpl() Skipping unnamed hook', hook);\n            }\n\n
continue;\n        }\n\n        hooksList.push(hook);\n\n        if (hook.subHooks.length > 0) {\n
flattenHooksListImpl(hook.subHooks, hooksList);\n        }\n    }\n}\n\nfunction initializeHookSourceAndMetadata(\n
hooksList: Array<HooksNode>,\n): LocationKeyToHookSourceAndMetadata {\n    // Create map of unique source
locations (file names plus line and column numbers) to metadata about hooks.\n    const
locationKeyToHookSourceAndMetadata: LocationKeyToHookSourceAndMetadata =\n        new Map();\n    for (let i =
0; i < hooksList.length; i++) {\n        const hook = hooksList[i];\n\n        const hookSource = hook.hookSource;\n        if
(hookSource == null) {\n            // Older versions of react-debug-tools don't include this information.\n            // In this case,
we can't continue.\n            throw Error('Hook source code location not found.);\n        }\n\n        const locationKey =
getHookSourceLocationKey(hookSource);\n        if (!locationKeyToHookSourceAndMetadata.has(locationKey)) {\n
            // Can't be null because getHookSourceLocationKey() would have thrown\n            const runtimeSourceURL =
((hookSource.fileName: any): string);\n\n            const hookSourceAndMetadata: HookSourceAndMetadata = {\n
                hookSource,\n                runtimeSourceCode: null,\n                runtimeSourceURL,\n                sourceMapJSON: null,\n
                sourceMapURL: null,\n            };\n\n            locationKeyToHookSourceAndMetadata.set(\n                locationKey,\n
                hookSourceAndMetadata,\n            );\n        }\n    }\n\n    return locationKeyToHookSourceAndMetadata;\n}\n\n//
Determines whether incoming hook is a primitive hook that gets assigned to variables.\nfunction
isUnnamedBuiltInHook(hook: HooksNode) {\n    return ['Effect', 'ImperativeHandle', 'LayoutEffect',
'DebugValue'].includes(\n        hook.name,\n    );\n}\n\nfunction loadSourceFiles(\n
locationKeyToHookSourceAndMetadata: LocationKeyToHookSourceAndMetadata,\n    fetchFileWithCaching:
FetchFileWithCaching | null,\n): Promise<Array<$Call<<T>(p: Promise<T> | T) => T, Promise<void>>>> {\n    //
Deduplicate fetches, since there can be multiple location keys per file.\n    const dedupedFetchPromises = new
Map<string, Promise<$FlowFixMe>>();\n    const setterPromises = [];\n\n    locationKeyToHookSourceAndMetadata.forEach(hookSourceAndMetadata => {\n        const {runtimeSourceURL} =
hookSourceAndMetadata;\n\n        let fetchFileFunction = fetchFile;\n        if (fetchFileWithCaching != null) {\n            // If a
helper function has been injected to fetch with caching,\n            // use it to fetch the (already loaded) source file.\n            fetchFileFunction = url => {\n                return withAsyncPerfMeasurements(\n
                    `fetchFileWithCaching("${url}")`,\n                    () => {\n                        return ((fetchFileWithCaching: any):
FetchFileWithCaching)(url);\n                    },\n                );\n            }\n        }\n\n        const fetchPromise =\n            dedupedFetchPromises.get(runtimeSourceURL) ||\n            fetchFileFunction(runtimeSourceURL).then(runtimeSourceCode => {\n                // TODO (named hooks) Re-think this;
the main case where it matters is when there's no source-maps,\n                // because then we need to parse the full source
file as an AST.\n                if (runtimeSourceCode.length > MAX_SOURCE_LENGTH) {\n                    throw Error('Source
code too large to parse');\n                }\n\n                if (__DEBUG__) {\n                    console.groupCollapsed(\n
                        `loadSourceFiles() runtimeSourceURL "${runtimeSourceURL}"`,\n                    );\n                    console.log(runtimeSourceCode);\n                    console.groupEnd();\n                }\n\n                return runtimeSourceCode;\n            });\n            dedupedFetchPromises.set(runtimeSourceURL, fetchPromise);\n            setterPromises.push(\n
                fetchPromise.then(runtimeSourceCode => {\n                    hookSourceAndMetadata.runtimeSourceCode =
runtimeSourceCode;\n                },\n                );\n            });\n        }\n    });\n\n    return Promise.all(setterPromises);\n}\n\n"/**\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n * @flow\n */\n\nimport type {HookSourceAndMetadata} from
'./loadSourceAndMetadata';\nimport type {HooksNode, HooksTree} from 'react-debug-
```

```

tools/src/ReactDebugHooks';\nimport type {HookNames} from 'react-devtools-shared/src/types';\nimport type
{FetchFileWithCaching} from 'react-devtools-
shared/src/devtools/views/Components/FetchFileWithCachingContext';\nimport {withAsyncPerfMeasurements}
from 'react-devtools-shared/src/PerformanceLoggingUtils';\nimport WorkerizedParseSourceAndMetadata from
'./parseSourceAndMetadata.worker';\nimport typeof * as ParseSourceAndMetadataModule from
'./parseSourceAndMetadata';\nimport {flattenHooksList, loadSourceAndMetadata} from
'./loadSourceAndMetadata';\n\nconst workerizedParseHookNames: ParseSourceAndMetadataModule =\nWorkerizedParseSourceAndMetadata();\n\nexport function parseSourceAndMetadata(\n hooksList:
Array<HooksNode>,\n locationKeyToHookSourceAndMetadata: Map<string, HookSourceAndMetadata>,\n):
Promise<HookNames | null> {\n return workerizedParseHookNames.parseSourceAndMetadata(\n hooksList,\n
locationKeyToHookSourceAndMetadata,\n );\n}\n\nexport const purgeCachedMetadata =
workerizedParseHookNames.purgeCachedMetadata;\n\nconst EMPTY_MAP: HookNames = new Map();\n\nexport
async function parseHookNames(\n hooksTree: HooksTree,\n fetchFileWithCaching: FetchFileWithCaching |
null,\n): Promise<HookNames | null> {\n return withAsyncPerfMeasurements('parseHookNames', async () => {\n
const hooksList = flattenHooksList(hooksTree);\n if (hooksList.length === 0) {\n // This component tree
contains no named hooks.\n return EMPTY_MAP;\n }\n\n // Runs on the main/UI thread so it can reuse
Network cache:\n const locationKeyToHookSourceAndMetadata = await loadSourceAndMetadata(\n
hooksList,\n fetchFileWithCaching,\n );\n\n // Runs in a Worker because it's CPU intensive:\n return
parseSourceAndMetadata(\n hooksList,\n locationKeyToHookSourceAndMetadata,\n );\n
});\n}\n\n"],"sourceRoot":""}

```

Found in path(s):

* /opt/cola/permits/1653802149_1682447902.7673888/0/react-devtools-core-4-27-6-
tgz/package/dist/parseHookNames.chunk.js.map

No license file was found, but licenses were detected in source scan.

```

!function(e){var t={};function r(n){if(t[n])return t[n].exports;var i=t[n]={i:n,l:!1,exports:{}};return
e[n].call(i.exports,i,i.exports,r),i.l=!0,i.exports}r.m=e,r.c=t,r.d=function(e,t,n){r.o(e,t)||Object.defineProperty(e,t,{en
umerable:!0,get:n})},r.r=function(e){"undefined"!==typeof
Symbol&&Symbol.toStringTag&&Object.defineProperty(e,Symbol.toStringTag,{value:"Module"}),Object.defineProperty
(e,"__esModule",{value:!0})},r.t=function(e,t){if(1&t&&(e=r(e)),8&t)return e;if(4&t&&"object"===typeof
e&&e&&e.__esModule)return e;var
n=Object.create(null);if(r.r(n),Object.defineProperty(n,"default",{enumerable:!0,value:e}),2&t&&"string"!==typeof
e)for(var i in e)r.d(n,i,function(t){return e[t]}.bind(null,i));return n},r.n=function(e){var
t=e&&e.__esModule?function(){return e.default}:function(){return e};return r.d(t,"a",t),r.o=function(e,t){return
Object.prototype.hasOwnProperty.call(e,t)},r.p="",r(r.s=374)}([function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0});var
n={react:!0,assertNode:!0,createTypeAnnotationBasedOnTypeof:!0,createUnionTypeAnnotation:!0,createFlowUnio
nType:!0,createTSUnionType:!0,cloneNode:!0,clone:!0,cloneDeep:!0,cloneDeepWithoutLoc:!0,cloneWithoutLoc:!
0,addComment:!0,addComments:!0,inheritInnerComments:!0,inheritLeadingComments:!0,inheritsComments:!0,inh
eritTrailingComments:!0,removeComments:!0,ensureBlock:!0,toBindingIdentifierName:!0,toBlock:!0,toComputed
Key:!0,toExpression:!0,toIdentifier:!0,toKeyAlias:!0,toSequenceExpression:!0,toStatement:!0,valueToNode:!0,appe
ndToMemberExpression:!0,inherits:!0,prependToMemberExpression:!0,removeProperties:!0,removePropertiesDeep
:!0,removeTypeDuplicates:!0,getBindingIdentifiers:!0,getOuterBindingIdentifiers:!0,truncate:!0,truncateFast:!0,shall
owEqual:!0,is:!0,isBinding:!0,isBlockScoped:!0,isImmutable:!0,isLet:!0,isNode:!0,isNodesEquivalent:!0,isPlacehol
derType:!0,isReferenced:!0,isScope:!0,isSpecifierDefault:!0,isType:!0,isValidES3Identifier:!0,isValidIdentifier:!0,is
Var:!0,matchesPattern:!0,validate:!0,buildMatchMemberExpression:!0};Object.defineProperty(t,"assertNode",{enu
merable:!0,get:function(){return

```

```

o.default})),Object.defineProperty(t,"createTypeAnnotationBasedOnTypeof",{enumerable:!0,get:function(){return
c.default})),Object.defineProperty(t,"createUnionTypeAnnotation",{enumerable:!0,get:function(){return
p.default})),Object.defineProperty(t,"createFlowUnionType",{enumerable:!0,get:function(){return
p.default})),Object.defineProperty(t,"createTSUnionType",{enumerable:!0,get:function(){return
u.default})),Object.defineProperty(t,"cloneNode",{enumerable:!0,get:function(){return
h.default})),Object.defineProperty(t,"clone",{enumerable:!0,get:function(){return
f.default})),Object.defineProperty(t,"cloneDeep",{enumerable:!0,get:function(){return
m.default})),Object.defineProperty(t,"cloneDeepWithoutLoc",{enumerable:!0,get:function(){return
y.default})),Object.defineProperty(t,"cloneWithoutLoc",{enumerable:!0,get:function(){return
T.default})),Object.defineProperty(t,"addComment",{enumerable:!0,get:function(){return
b.default})),Object.defineProperty(t,"addComments",{enumerable:!0,get:function(){return
g.default})),Object.defineProperty(t,"inheritInnerComments",{enumerable:!0,get:function(){return
S.default})),Object.defineProperty(t,"inheritLeadingComments",{enumerable:!0,get:function(){return
x.default})),Object.defineProperty(t,"inheritsComments",{enumerable:!0,get:function(){return
E.default})),Object.defineProperty(t,"inheritTrailingComments",{enumerable:!0,get:function(){return
P.default})),Object.defineProperty(t,"removeComments",{enumerable:!0,get:function(){return
v.default})),Object.defineProperty(t,"ensureBlock",{enumerable:!0,get:function(){return
O.default})),Object.defineProperty(t,"toBindingIdentifierName",{enumerable:!0,get:function(){return
I.default})),Object.defineProperty(t,"toBlock",{enumerable:!0,get:function(){return
C.default})),Object.defineProperty(t,"toComputedKey",{enumerable:!0,get:function(){return
N.default})),Object.defineProperty(t,"toExpression",{enumerable:!0,get:function(){return
k.default})),Object.defineProperty(t,"toIdentifier",{enumerable:!0,get:function(){return
D.default})),Object.defineProperty(t,"toKeyAlias",{enumerable:!0,get:function(){return
_.default})),Object.defineProperty(t,"toSequenceExpression",{enumerable:!0,get:function(){return
L.default})),Object.defineProperty(t,"toStatement",{enumerable:!0,get:function(){return
M.default})),Object.defineProperty(t,"valueToNode",{enumerable:!0,get:function(){return
j.default})),Object.defineProperty(t,"appendToMemberExpression",{enumerable:!0,get:function(){return
R.default})),Object.defineProperty(t,"inherits",{enumerable:!0,get:function(){return
B.default})),Object.defineProperty(t,"prependToMemberExpression",{enumerable:!0,get:function(){return
U.default})),Object.defineProperty(t,"removeProperties",{enumerable:!0,get:function(){return
V.default})),Object.defineProperty(t,"removePropertiesDeep",{enumerable:!0,get:function(){return
K.default})),Object.defineProperty(t,"removeTypeDuplicates",{enumerable:!0,get:function(){return
q.default})),Object.defineProperty(t,"getBindingIdentifiers",{enumerable:!0,get:function(){return
Y.default})),Object.defineProperty(t,"getOuterBindingIdentifiers",{enumerable:!0,get:function(){return
W.default})),Object.defineProperty(t,"traverse",{enumerable:!0,get:function(){return
X.default})),Object.defineProperty(t,"traverseFast",{enumerable:!0,get:function(){return
J.default})),Object.defineProperty(t,"shallowEqual",{enumerable:!0,get:function(){return
H.default})),Object.defineProperty(t,"is",{enumerable:!0,get:function(){return
G.default})),Object.defineProperty(t,"isBinding",{enumerable:!0,get:function(){return
z.default})),Object.defineProperty(t,"isBlockScoped",{enumerable:!0,get:function(){return
$.default})),Object.defineProperty(t,"isImmutable",{enumerable:!0,get:function(){return
Q.default})),Object.defineProperty(t,"isLet",{enumerable:!0,get:function(){return
Z.default})),Object.defineProperty(t,"isNode",{enumerable:!0,get:function(){return
ee.default})),Object.defineProperty(t,"isNodesEquivalent",{enumerable:!0,get:function(){return
te.default})),Object.defineProperty(t,"isPlaceholderType",{enumerable:!0,get:function(){return
re.default})),Object.defineProperty(t,"isReferenced",{enumerable:!0,get:function(){return
ne.default})),Object.defineProperty(t,"isScope",{enumerable:!0,get:function(){return
ie.default})),Object.defineProperty(t,"isSpecifierDefault",{enumerable:!0,get:function(){return

```

```

se.default } },Object.defineProperty(t,"isType",{enumerable:!0,get:function(){return
ae.default } },Object.defineProperty(t,"isValidES3Identifier",{enumerable:!0,get:function(){return
oe.default } },Object.defineProperty(t,"isValidIdentifier",{enumerable:!0,get:function(){return
le.default } },Object.defineProperty(t,"isVar",{enumerable:!0,get:function(){return
ce.default } },Object.defineProperty(t,"matchesPattern",{enumerable:!0,get:function(){return
pe.default } },Object.defineProperty(t,"validate",{enumerable:!0,get:function(){return
ue.default } },Object.defineProperty(t,"buildMatchMemberExpression",{enumerable:!0,get:function(){return
de.default } },t.react=void 0;var
i=fe(r(133)),s=fe(r(134)),a=fe(r(135)),o=fe(r(216)),l=r(217);Object.keys(l).forEach((function(e){ "default"!==e&&"
__esModule"!==e&&(Object.prototype.hasOwnProperty.call(n,e)||e in
t&&t[e]===l[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return l[e] } })))));var
c=fe(r(218)),p=fe(r(219)),u=fe(r(220)),d=r(4);Object.keys(d).forEach((function(e){ "default"!==e&&"__esModule"!
===e&&(Object.prototype.hasOwnProperty.call(n,e)||e in
t&&t[e]===d[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return d[e] } })))));var
h=fe(r(14)),f=fe(r(222)),m=fe(r(223)),y=fe(r(224)),T=fe(r(225)),b=fe(r(226)),g=fe(r(86)),S=fe(r(87)),x=fe(r(88)),E=
fe(r(89)),P=fe(r(90)),v=fe(r(227)),A=r(228);Object.keys(A).forEach((function(e){ "default"!==e&&"__esModule"!
=e&&(Object.prototype.hasOwnProperty.call(n,e)||e in
t&&t[e]===A[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return A[e] } })))));var
w=r(13);Object.keys(w).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(Object.prototype.hasOwnProperty.Pr
operty.call(n,e)||e in t&&t[e]===w[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return
w[e] } })))));var
O=fe(r(229)),I=fe(r(230)),C=fe(r(91)),N=fe(r(231)),k=fe(r(232)),D=fe(r(92)),_=fe(r(233)),L=fe(r(234)),M=fe(r(236
)),j=fe(r(237)),F=r(5);Object.keys(F).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(Object.prototype
e.hasOwnProperty.call(n,e)||e in t&&t[e]===F[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return
F[e] } })))));var
R=fe(r(241)),B=fe(r(242)),U=fe(r(243)),V=fe(r(95)),K=fe(r(93)),q=fe(r(85)),Y=fe(r(35)),W=fe(r(244)),X=fe(r(245
)),J=fe(r(94)),H=fe(r(39)),G=fe(r(34)),z=fe(r(246)),S=fe(r(247)),Q=fe(r(248)),Z=fe(r(96)),ee=fe(r(84)),te=fe(r(249)),
re=fe(r(82)),ne=fe(r(250)),ie=fe(r(251)),se=fe(r(252)),ae=fe(r(51)),oe=fe(r(253)),le=fe(r(23)),ce=fe(r(254)),pe=fe(r(
65)),ue=fe(r(52)),de=fe(r(64)),he=r(2);function fe(e){ return
e&&e.__esModule?:{default:e } }Object.keys(he).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(O
bject.prototype.hasOwnProperty.call(n,e)||e in
t&&t[e]===he[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return he[e] } })))));const
me={isReactComponent:i.default,isCompatTag:s.default,buildChildren:a.default};t.react=me },function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.isArrayExpression=function(e,t){if(!e)return!1;if("Array
Expression"===e.type)return void
0===t||(0,n.default)(e,t);return!1 },t.isAssignmentExpression=function(e,t){if(!e)return!1;if("AssignmentExpression"
===e.type)return void
0===t||(0,n.default)(e,t);return!1 },t.isBinaryExpression=function(e,t){if(!e)return!1;if("BinaryExpression"===e.type
)return void
0===t||(0,n.default)(e,t);return!1 },t.isInterpreterDirective=function(e,t){if(!e)return!1;if("InterpreterDirective"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1 },t.isDirective=function(e,t){if(!e)return!1;if("Directive"===e.type)return void
0===t||(0,n.default)(e,t);return!1 },t.isDirectiveLiteral=function(e,t){if(!e)return!1;if("DirectiveLiteral"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1 },t.isBlockStatement=function(e,t){if(!e)return!1;if("BlockStatement"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1 },t.isBreakStatement=function(e,t){if(!e)return!1;if("BreakStatement"===e.type)ret
urn void

```



```

0===t||(0,n.default)(e,t);return!1},t.isCallExpression=function(e,t){if(!e)return!1;if("CallExpression"===e.type)return
n void
0===t||(0,n.default)(e,t);return!1},t.isCatchClause=function(e,t){if(!e)return!1;if("CatchClause"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isConditionalExpression=function(e,t){if(!e)return!1;if("ConditionalExpression"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isContinueStatement=function(e,t){if(!e)return!1;if("ContinueStatement"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isDebuggerStatement=function(e,t){if(!e)return!1;if("DebuggerStatement"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isDoWhileStatement=function(e,t){if(!e)return!1;if("DoWhileStatement"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isEmptyStatement=function(e,t){if(!e)return!1;if("EmptyStatement"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isExpressionStatement=function(e,t){if(!e)return!1;if("ExpressionStatement"===
e.type)return void 0===t||(0,n.default)(e,t);return!1},t.isFile=function(e,t){if(!e)return!1;if("File"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isForInStatement=function(e,t){if(!e)return!1;if("ForInStatement"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isForStatement=function(e,t){if(!e)return!1;if("ForStatement"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isFunctionDeclaration=function(e,t){if(!e)return!1;if("FunctionDeclaration"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isFunctionExpression=function(e,t){if(!e)return!1;if("FunctionExpression"===e.
type)return void
0===t||(0,n.default)(e,t);return!1},t.isIdentifier=function(e,t){if(!e)return!1;if("Identifier"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isIfStatement=function(e,t){if(!e)return!1;if("IfStatement"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isLabeledStatement=function(e,t){if(!e)return!1;if("LabeledStatement"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isStringLiteral=function(e,t){if(!e)return!1;if("StringLiteral"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isNumericLiteral=function(e,t){if(!e)return!1;if("NumericLiteral"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isNullLiteral=function(e,t){if(!e)return!1;if("NullLiteral"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBooleanLiteral=function(e,t){if(!e)return!1;if("BooleanLiteral"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isRegExpLiteral=function(e,t){if(!e)return!1;if("RegExpLiteral"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isLogicalExpression=function(e,t){if(!e)return!1;if("LogicalExpression"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isMemberExpression=function(e,t){if(!e)return!1;if("MemberExpression"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isNewExpression=function(e,t){if(!e)return!1;if("NewExpression"===e.type)retu
rn void 0===t||(0,n.default)(e,t);return!1},t.isProgram=function(e,t){if(!e)return!1;if("Program"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isObjectExpression=function(e,t){if(!e)return!1;if("ObjectExpression"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectMethod=function(e,t){if(!e)return!1;if("ObjectMethod"===e.type)return

```

```

void
0===t||(0,n.default)(e,t);return!1},t.isObjectProperty=function(e,t){if(!e)return!1;if("ObjectProperty"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isRestElement=function(e,t){if(!e)return!1;if("RestElement"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isReturnStatement=function(e,t){if(!e)return!1;if("ReturnStatement"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isSequenceExpression=function(e,t){if(!e)return!1;if("SequenceExpression"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isParenthesizedExpression=function(e,t){if(!e)return!1;if("ParenthesizedExpressi
on"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isSwitchCase=function(e,t){if(!e)return!1;if("SwitchCase"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isSwitchStatement=function(e,t){if(!e)return!1;if("SwitchStatement"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isThisExpression=function(e,t){if(!e)return!1;if("ThisExpression"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isThrowStatement=function(e,t){if(!e)return!1;if("ThrowStatement"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isTryStatement=function(e,t){if(!e)return!1;if("TryStatement"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isUnaryExpression=function(e,t){if(!e)return!1;if("UnaryExpression"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isUpdateExpression=function(e,t){if(!e)return!1;if("UpdateExpression"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isVariableDeclaration=function(e,t){if(!e)return!1;if("VariableDeclaration"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isVariableDeclarator=function(e,t){if(!e)return!1;if("VariableDeclarator"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isWhileStatement=function(e,t){if(!e)return!1;if("WhileStatement"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isWithStatement=function(e,t){if(!e)return!1;if("WithStatement"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isAssignmentPattern=function(e,t){if(!e)return!1;if("AssignmentPattern"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isArrayPattern=function(e,t){if(!e)return!1;if("ArrayPattern"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isArrowFunctionExpression=function(e,t){if(!e)return!1;if("ArrowFunctionExpr
ession"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassBody=function(e,t){if(!e)return!1;if("ClassBody"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassExpression=function(e,t){if(!e)return!1;if("ClassExpression"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isClassDeclaration=function(e,t){if(!e)return!1;if("ClassDeclaration"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isExportAllDeclaration=function(e,t){if(!e)return!1;if("ExportAllDeclaration"===
=e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExportDefaultDeclaration=function(e,t){if(!e)return!1;if("ExportDefaultDeclar
ation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExportNamedDeclaration=function(e,t){if(!e)return!1;if("ExportNamedDeclarat

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tion"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExportSpecifier=function(e,t){if(!e)return!1;if("ExportSpecifier"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isForOfStatement=function(e,t){if(!e)return!1;if("ForOfStatement"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isImportDeclaration=function(e,t){if(!e)return!1;if("ImportDeclaration"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isImportDefaultSpecifier=function(e,t){if(!e)return!1;if("ImportDefaultSpecifier
"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isImportNamespaceSpecifier=function(e,t){if(!e)return!1;if("ImportNamespaceS
pecifier"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isImportSpecifier=function(e,t){if(!e)return!1;if("ImportSpecifier"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isMetaProperty=function(e,t){if(!e)return!1;if("MetaProperty"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isClassMethod=function(e,t){if(!e)return!1;if("ClassMethod"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isObjectPattern=function(e,t){if(!e)return!1;if("ObjectPattern"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isSpreadElement=function(e,t){if(!e)return!1;if("SpreadElement"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isSuper=function(e,t){if(!e)return!1;if("Super"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTaggedTemplateExpression=function(e,t){if(!e)return!1;if("TaggedTemplateE
xpression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTemplateElement=function(e,t){if(!e)return!1;if("TemplateElement"===e.type
)return void
0===t||(0,n.default)(e,t);return!1},t.isTemplateLiteral=function(e,t){if(!e)return!1;if("TemplateLiteral"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isYieldExpression=function(e,t){if(!e)return!1;if("YieldExpression"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isAwaitExpression=function(e,t){if(!e)return!1;if("AwaitExpression"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isImport=function(e,t){if(!e)return!1;if("Import"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isBigIntLiteral=function(e,t){if(!e)return!1;if("BigIntLiteral"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isExportNamespaceSpecifier=function(e,t){if(!e)return!1;if("ExportNamespaceS
pecifier"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isOptionalMemberExpression=function(e,t){if(!e)return!1;if("OptionalMemberE
xpression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isOptionalCallExpression=function(e,t){if(!e)return!1;if("OptionalCallExpressio
n"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isAnyTypeAnnotation=function(e,t){if(!e)return!1;if("AnyTypeAnnotation"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isArrayTypeAnnotation=function(e,t){if(!e)return!1;if("ArrayTypeAnnotation"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBooleanTypeAnnotation=function(e,t){if(!e)return!1;if("BooleanTypeAnnotati
on"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBooleanLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("BooleanLiteral
TypeAnnotation"===e.type)return void

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0===t||(0,n.default)(e,t);return!1},t.isNullLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("NullLiteralTypeAn
notation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassImplements=function(e,t){if(!e)return!1;if("ClassImplements"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isDeclareClass=function(e,t){if(!e)return!1;if("DeclareClass"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isDeclareFunction=function(e,t){if(!e)return!1;if("DeclareFunction"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isDeclareInterface=function(e,t){if(!e)return!1;if("DeclareInterface"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isDeclareModule=function(e,t){if(!e)return!1;if("DeclareModule"===e.type)retu
rn void
0===t||(0,n.default)(e,t);return!1},t.isDeclareModuleExports=function(e,t){if(!e)return!1;if("DeclareModuleExports
"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareTypeAlias=function(e,t){if(!e)return!1;if("DeclareTypeAlias"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareOpaqueType=function(e,t){if(!e)return!1;if("DeclareOpaqueType"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareVariable=function(e,t){if(!e)return!1;if("DeclareVariable"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isDeclareExportDeclaration=function(e,t){if(!e)return!1;if("DeclareExportDeclar
ation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclareExportAllDeclaration=function(e,t){if(!e)return!1;if("DeclareExportAll
Declaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclaredPredicate=function(e,t){if(!e)return!1;if("DeclaredPredicate"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isExistsTypeAnnotation=function(e,t){if(!e)return!1;if("ExistsTypeAnnotation"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isFunctionTypeAnnotation=function(e,t){if(!e)return!1;if("FunctionTypeAnnotat
ion"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isFunctionTypeParam=function(e,t){if(!e)return!1;if("FunctionTypeParam"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isGenericTypeAnnotation=function(e,t){if(!e)return!1;if("GenericTypeAnnotatio
n"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isInferredPredicate=function(e,t){if(!e)return!1;if("InferredPredicate"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isInterfaceExtends=function(e,t){if(!e)return!1;if("InterfaceExtends"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isInterfaceDeclaration=function(e,t){if(!e)return!1;if("InterfaceDeclaration"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isInterfaceTypeAnnotation=function(e,t){if(!e)return!1;if("InterfaceTypeAnnotat
ion"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isIntersectionTypeAnnotation=function(e,t){if(!e)return!1;if("IntersectionTypeA
nnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isMixedTypeAnnotation=function(e,t){if(!e)return!1;if("MixedTypeAnnotation"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEmptyTypeAnnotation=function(e,t){if(!e)return!1;if("EmptyTypeAnnotation"
===e.type)return void

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0===t||(0,n.default)(e,t);return!1},t.isNullableTypeAnnotation=function(e,t){if(!e)return!1;if("NullableTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNumberLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("NumberLiteralTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNumberTypeAnnotation=function(e,t){if(!e)return!1;if("NumberTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeAnnotation=function(e,t){if(!e)return!1;if("ObjectTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeInternalSlot=function(e,t){if(!e)return!1;if("ObjectTypeInternalSlot"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeCallProperty=function(e,t){if(!e)return!1;if("ObjectTypeCallProperty"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeIndexer=function(e,t){if(!e)return!1;if("ObjectTypeIndexer"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeProperty=function(e,t){if(!e)return!1;if("ObjectTypeProperty"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectTypeSpreadProperty=function(e,t){if(!e)return!1;if("ObjectTypeSpreadProperty"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isOpaqueType=function(e,t){if(!e)return!1;if("OpaqueType"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isQualifiedTypeIdentifier=function(e,t){if(!e)return!1;if("QualifiedTypeIdentifier"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isStringLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("StringLiteralTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isStringTypeAnnotation=function(e,t){if(!e)return!1;if("StringTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isSymbolTypeAnnotation=function(e,t){if(!e)return!1;if("SymbolTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isThisTypeAnnotation=function(e,t){if(!e)return!1;if("ThisTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTupleTypeAnnotation=function(e,t){if(!e)return!1;if("TupleTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeofTypeAnnotation=function(e,t){if(!e)return!1;if("TypeofTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeAlias=function(e,t){if(!e)return!1;if("TypeAlias"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeAnnotation=function(e,t){if(!e)return!1;if("TypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeCastExpression=function(e,t){if(!e)return!1;if("TypeCastExpression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeParameter=function(e,t){if(!e)return!1;if("TypeParameter"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeParameterDeclaration=function(e,t){if(!e)return!1;if("TypeParameterDeclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTypeParameterInstantiation=function(e,t){if(!e)return!1;if("TypeParameterInstantiation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isUnionTypeAnnotation=function(e,t){if(!e)return!1;if("UnionTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isVariance=function(e,t){if(!e)return!1;if("Variance"===e.type)return void

```

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0===t||(0,n.default)(e,t);return!1},t.isVoidTypeAnnotation=function(e,t){if(!e)return!1;if("VoidTypeAnnotation"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumDeclaration=function(e,t){if(!e)return!1;if("EnumDeclaration"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isEnumBooleanBody=function(e,t){if(!e)return!1;if("EnumBooleanBody"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumNumberBody=function(e,t){if(!e)return!1;if("EnumNumberBody"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumStringBody=function(e,t){if(!e)return!1;if("EnumStringBody"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isEnumSymbolBody=function(e,t){if(!e)return!1;if("EnumSymbolBody"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumBooleanMember=function(e,t){if(!e)return!1;if("EnumBooleanMember"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumNumberMember=function(e,t){if(!e)return!1;if("EnumNumberMember"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumStringMember=function(e,t){if(!e)return!1;if("EnumStringMember"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumDefaultedMember=function(e,t){if(!e)return!1;if("EnumDefaultedMemb
er"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isIndexedAccessType=function(e,t){if(!e)return!1;if("IndexedAccessType"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isOptionalIndexedAccessType=function(e,t){if(!e)return!1;if("OptionalIndexed
AccessType"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXAttribute=function(e,t){if(!e)return!1;if("JSXAttribute"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isJSXClosingElement=function(e,t){if(!e)return!1;if("JSXClosingElement"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXElement=function(e,t){if(!e)return!1;if("JSXElement"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isJSXEmptyExpression=function(e,t){if(!e)return!1;if("JSXEmptyExpression"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXExpressionContainer=function(e,t){if(!e)return!1;if("JSXExpressionContai
ner"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXSpreadChild=function(e,t){if(!e)return!1;if("JSXSpreadChild"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isJSXIdentifier=function(e,t){if(!e)return!1;if("JSXIdentifier"===e.type)retu
n void
0===t||(0,n.default)(e,t);return!1},t.isJSXMemberExpression=function(e,t){if(!e)return!1;if("JSXMemberExpression"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXNamespacedName=function(e,t){if(!e)return!1;if("JSXNamespacedName"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXOpeningElement=function(e,t){if(!e)return!1;if("JSXOpeningElement"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXSpreadAttribute=function(e,t){if(!e)return!1;if("JSXSpreadAttribute"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXText=function(e,t){if(!e)return!1;if("JSXText"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXFragment=function(e,t){if(!e)return!1;if("JSXFragment"===e.type)retu

```

```

void
0===t||(0,n.default)(e,t);return!1},t.isJSXOpeningFragment=function(e,t){if(!e)return!1;if("JSXOpeningFragment"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isJSXClosingFragment=function(e,t){if(!e)return!1;if("JSXClosingFragment"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isNoop=function(e,t){if(!e)return!1;if("Noop"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isPlaceholder=function(e,t){if(!e)return!1;if("Placeholder"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isV8IntrinsicIdentifier=function(e,t){if(!e)return!1;if("V8IntrinsicIdentifier"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isArgumentPlaceholder=function(e,t){if(!e)return!1;if("ArgumentPlaceholder"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isBindExpression=function(e,t){if(!e)return!1;if("BindExpression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassProperty=function(e,t){if(!e)return!1;if("ClassProperty"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isPipelineTopicExpression=function(e,t){if(!e)return!1;if("PipelineTopicExpression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isPipelineBareFunction=function(e,t){if(!e)return!1;if("PipelineBareFunction"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isPipelinePrimaryTopicReference=function(e,t){if(!e)return!1;if("PipelinePrimaryTopicReference"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassPrivateProperty=function(e,t){if(!e)return!1;if("ClassPrivateProperty"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isClassPrivateMethod=function(e,t){if(!e)return!1;if("ClassPrivateMethod"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isImportAttribute=function(e,t){if(!e)return!1;if("ImportAttribute"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDecorator=function(e,t){if(!e)return!1;if("Decorator"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDoExpression=function(e,t){if(!e)return!1;if("DoExpression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isExportDefaultSpecifier=function(e,t){if(!e)return!1;if("ExportDefaultSpecifier"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isPrivateName=function(e,t){if(!e)return!1;if("PrivateName"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isRecordExpression=function(e,t){if(!e)return!1;if("RecordExpression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTupleExpression=function(e,t){if(!e)return!1;if("TupleExpression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isDecimalLiteral=function(e,t){if(!e)return!1;if("DecimalLiteral"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isStaticBlock=function(e,t){if(!e)return!1;if("StaticBlock"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isModuleExpression=function(e,t){if(!e)return!1;if("ModuleExpression"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSPParameterProperty=function(e,t){if(!e)return!1;if("TSPParameterProperty"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSDDeclareFunction=function(e,t){if(!e)return!1;if("TSDDeclareFunction"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSDDeclareMethod=function(e,t){if(!e)return!1;if("TSDDeclareMethod"===e.type)

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e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSQualifiedName=function(e,t){if(!e)return!1;if("TSQualifiedName"===e.type
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSCallSignatureDeclaration=function(e,t){if(!e)return!1;if("TSCallSignatureD
eclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSConstructSignatureDeclaration=function(e,t){if(!e)return!1;if("TSConstruct
SignatureDeclaration"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSPropertySignature=function(e,t){if(!e)return!1;if("TSPropertySignature"===
e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSMethodSignature=function(e,t){if(!e)return!1;if("TSMethodSignature"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSIndexSignature=function(e,t){if(!e)return!1;if("TSIndexSignature"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSAnyKeyword=function(e,t){if(!e)return!1;if("TSAnyKeyword"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isTSBooleanKeyword=function(e,t){if(!e)return!1;if("TSBooleanKeyword"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSBigIntKeyword=function(e,t){if(!e)return!1;if("TSBigIntKeyword"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSIntrinsicKeyword=function(e,t){if(!e)return!1;if("TSIntrinsicKeyword"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNeverKeyword=function(e,t){if(!e)return!1;if("TSNeverKeyword"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNullKeyword=function(e,t){if(!e)return!1;if("TSNullKeyword"===e.type)re
turn void
0===t||(0,n.default)(e,t);return!1},t.isTSNumberKeyword=function(e,t){if(!e)return!1;if("TSNumberKeyword"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSObjectKeyword=function(e,t){if(!e)return!1;if("TSObjectKeyword"===e.ty
pe)return void
0===t||(0,n.default)(e,t);return!1},t.isTSStringKeyword=function(e,t){if(!e)return!1;if("TSStringKeyword"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSSymbolKeyword=function(e,t){if(!e)return!1;if("TSSymbolKeyword"===e.
type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSUndefinedKeyword=function(e,t){if(!e)return!1;if("TSUndefinedKeyword"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSUnknownKeyword=function(e,t){if(!e)return!1;if("TSUnknownKeyword"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSVoidKeyword=function(e,t){if(!e)return!1;if("TSVoidKeyword"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isTSThisType=function(e,t){if(!e)return!1;if("TSThisType"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSFunctionType=function(e,t){if(!e)return!1;if("TSFunctionType"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isTSConstructorType=function(e,t){if(!e)return!1;if("TSConstructorType"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeReference=function(e,t){if(!e)return!1;if("TSTypeReference"===e.typ
e)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypePredicate=function(e,t){if(!e)return!1;if("TSTypePredicate"===e.type)

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return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeQuery=function(e,t){if(!e)return!1;if("TSTypeQuery"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeLiteral=function(e,t){if(!e)return!1;if("TSTypeLiteral"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isTSArrayType=function(e,t){if(!e)return!1;if("TSArrayType"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSTupleType=function(e,t){if(!e)return!1;if("TSTupleType"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSOptionalType=function(e,t){if(!e)return!1;if("TSOptionalType"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isTSRestType=function(e,t){if(!e)return!1;if("TSRestType"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSNamedTupleMember=function(e,t){if(!e)return!1;if("TSNamedTupleMemb
er"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSUnionType=function(e,t){if(!e)return!1;if("TSUnionType"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSIntersectionType=function(e,t){if(!e)return!1;if("TSIntersectionType"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isTSConditionalType=function(e,t){if(!e)return!1;if("TSConditionalType"===e.t
ype)return void
0===t||(0,n.default)(e,t);return!1},t.isTSInferType=function(e,t){if(!e)return!1;if("TSInferType"===e.type)return
void
0===t||(0,n.default)(e,t);return!1},t.isTSParenthesizedType=function(e,t){if(!e)return!1;if("TSParenthesizedType"=
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeOperator=function(e,t){if(!e)return!1;if("TSTypeOperator"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isTSIndexedAccessType=function(e,t){if(!e)return!1;if("TSIndexedAccessType"
===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSMappedType=function(e,t){if(!e)return!1;if("TSMappedType"===e.type)ret
urn void
0===t||(0,n.default)(e,t);return!1},t.isTSLiteralType=function(e,t){if(!e)return!1;if("TSLiteralType"===e.type)retur
n void
0===t||(0,n.default)(e,t);return!1},t.isTSExpressionWithTypeArguments=function(e,t){if(!e)return!1;if("TSExpressi
onWithTypeArguments"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSInterfaceDeclaration=function(e,t){if(!e)return!1;if("TSInterfaceDeclaration
"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSInterfaceBody=function(e,t){if(!e)return!1;if("TSInterfaceBody"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeAliasDeclaration=function(e,t){if(!e)return!1;if("TSTypeAliasDeclarati
on"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSAExpression=function(e,t){if(!e)return!1;if("TSAExpression"===e.type)r
eturn void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeAssertion=function(e,t){if(!e)return!1;if("TSTypeAssertion"===e.type)
return void
0===t||(0,n.default)(e,t);return!1},t.isTSEnumDeclaration=function(e,t){if(!e)return!1;if("TSEnumDeclaration"===e
.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSEnumMember=function(e,t){if(!e)return!1;if("TSEnumMember"===e.type)

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return void
0===t||(0,n.default)(e,t);return!1},t.isTSMODULEDECLARATION=function(e,t){if(!e)return!1;if("TSMODULEDECLARATION"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSMODULEBLOCK=function(e,t){if(!e)return!1;if("TSMODULEBLOCK"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSIMPORTTYPE=function(e,t){if(!e)return!1;if("TSIMPORTTYPE"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSIMPORTEQUALSDECLARATION=function(e,t){if(!e)return!1;if("TSIMPORTEQUALSDECLARATION"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSEXTERNALMODULEREFERENCE=function(e,t){if(!e)return!1;if("TSEXTERNALMODULEREFERENCE"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNONNULLEXPRESSION=function(e,t){if(!e)return!1;if("TSNONNULLEXPRESSION"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSEXPORTASSIGNMENT=function(e,t){if(!e)return!1;if("TSEXPORTASSIGNMENT"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSNAMESPACEEXPORTDECLARATION=function(e,t){if(!e)return!1;if("TSNAMESPACEEXPORTDECLARATION"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTYPEANNOTATION=function(e,t){if(!e)return!1;if("TSTYPEANNOTATION"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTYPEPARAMETERINSTITIATION=function(e,t){if(!e)return!1;if("TSTYPEPARAMETERINSTITIATION"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTYPEPARAMETERDECLARATION=function(e,t){if(!e)return!1;if("TSTYPEPARAMETERDECLARATION"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTYPEPARAMETER=function(e,t){if(!e)return!1;if("TSTYPEPARAMETER"===e.type)return void
0===t||(0,n.default)(e,t);return!1},t.isEXPRESSION=function(e,t){if(!e)return!1;const r=e.type;if("ARRAYEXPRESSION"===r||"ASSIGNMENTEXPRESSION"===r||"BINARYEXPRESSION"===r||"CALLEXPRESSION"===r||"CONDITIONALEXPRESSION"===r||"FUNCTIONEXPRESSION"===r||"IDENTIFIER"===r||"STRINGLITERAL"===r||"NUMERICLITERAL"===r||"NULLLITERAL"===r||"BOOLEANLITERAL"===r||"REGEXPLITERAL"===r||"LOGICALEXPRESSION"===r||"MEMBEREXPRESSION"===r||"NEWEXPRESSION"===r||"OBJECTEXPRESSION"===r||"SEQUENCEEXPRESSION"===r||"PARENTHESESIZEDEXPRESSION"===r||"THISEXPRESSION"===r||"UNARYEXPRESSION"===r||"UPDATEEXPRESSION"===r||"ARROWFUNCTIONEXPRESSION"===r||"CLASSEXPRESSON"===r||"METAPROPERTY"===r||"SUPER"===r||"TAGGEDTEMPLATEEXPRESSION"===r||"TEMPLATELITERAL"===r||"YIELDEXPRESSION"===r||"AWAITEXPRESSION"===r||"IMPORT"===r||"BIGINTLITERAL"===r||"OPTIONALMEMBEREXPRESSION"===r||"OPTIONALCALLEXPRESSION"===r||"TYPECASTEXPRESSION"===r||"JSXELEMENT"===r||"JSXFRAGMENT"===r||"BINDEXPRESSON"===r||"PIPELINEPRIMARYTOPICREFERENCE"===r||"DOEXPRESSION"===r||"RECORDEXPRESSION"===r||"TUPLEEXPRESSION"===r||"DECIMALLITERAL"===r||"MODULEEXPRESSION"===r||"TSASEXPRESSION"===r||"TSTYPEASSERTION"===r||"TSNONNULLEXPRESSION"===r||"PLACEHOLDER"===r&&("EXPRESSION"===e.expectedNode||"IDENTIFIER"===e.expectedNode||"STRINGLITERAL"===e.expectedNode))return void
0===t||(0,n.default)(e,t);return!1},t.isBINARY=function(e,t){if(!e)return!1;const r=e.type;if("BINARYEXPRESSION"===r||"LOGICALEXPRESSION"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isSCOPABLE=function(e,t){if(!e)return!1;const r=e.type;if("BLOCKSTATEMENT"===r||"CATCHCLAUSE"===r||"DOWHILESTATEMENT"===r||"FORINSTATEMENT"===r||"FORSTATEMENT"===r||"FUNCTIONDECLARATION"===r||"FUNCTIONEXPRESSION"===r||"PROGRAM"===r||"OBJECTMETHOD"===r||"SWITCHSTATEMENT"===r||"WHILESTATEMENT"===r||"ARROWFUNCTIONEXPRESSION"===r||"CLASSEXPRESSON"===r||"CLASSDECLARATION"===r||"FOROFSTATEMENT"===r||"CLASSMETHOD"===r||"CLASSPRIVATEMETHOD"===r||"STATICBLOCK"===r||"TSMODULEBLOCK"===r||"PLACEHOLDER"===r&&"BLOCKSTATEMENT"===e.expectedNode)return void
0===t||(0,n.default)(e,t);return!1},t.isBLOCKPARENT=function(e,t){if(!e)return!1;const r=e.type;if("BLOCKSTATEMENT"===r||"CATCHCLAUSE"===r||"DOWHILESTATEMENT"===r||"FORINSTATEMENT"===r||"FORSTATEMENT"===r||"FUNCTIONDECLARATION"===r||"FUNCTIONEXPRESSION"===r||"PROGRAM"===r||"OBJECTMETHOD"===r||"SWITCH

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Statement"===r||"WhileStatement"===r||"ArrowFunctionExpression"===r||"ForOfStatement"===r||"ClassMethod"=
===r||"ClassPrivateMethod"===r||"StaticBlock"===r||"TSMODULE_BLOCK"===r||"Placeholder"===r&&"BlockStatemen
t"===e.expectedNode)return void 0===t||(0,n.default)(e,t);return!1},t.isBlock=function(e,t){if(!e)return!1;const
r=e.type;if("BlockStatement"===r||"Program"===r||"TSMODULE_BLOCK"===r||"Placeholder"===r&&"BlockStatement
"===e.expectedNode)return void 0===t||(0,n.default)(e,t);return!1},t.isStatement=function(e,t){if(!e)return!1;const
r=e.type;if("BlockStatement"===r||"BreakStatement"===r||"ContinueStatement"===r||"DebuggerStatement"===r||"
DoWhileStatement"===r||"EmptyStatement"===r||"ExpressionStatement"===r||"ForInStatement"===r||"ForStateme
nt"===r||"FunctionDeclaration"===r||"IfStatement"===r||"LabeledStatement"===r||"ReturnStatement"===r||"Switch
Statement"===r||"ThrowStatement"===r||"TryStatement"===r||"VariableDeclaration"===r||"WhileStatement"===r||
"WithStatement"===r||"ClassDeclaration"===r||"ExportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"Ex
portNamedDeclaration"===r||"ForOfStatement"===r||"ImportDeclaration"===r||"DeclareClass"===r||"DeclareFunc
tion"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareModuleExports"===r||"DeclareTypeAlias"===r||
"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExportDeclaration"===r||"DeclareExportAllDeclaratio
n"===r||"InterfaceDeclaration"===r||"OpaqueType"===r||"TypeAlias"===r||"EnumDeclaration"===r||"TSDeclareFu
nction"===r||"TSInterfaceDeclaration"===r||"TSTypeAliasDeclaration"===r||"TSEnumDeclaration"===r||"TSModu
leDeclaration"===r||"TSImportEqualsDeclaration"===r||"TSExportAssignment"===r||"TSNamespaceExportDeclara
tion"===r||"Placeholder"===r&&("Statement"===e.expectedNode||"Declaration"===e.expectedNode||"BlockStatem
ent"===e.expectedNode))return void
0===t||(0,n.default)(e,t);return!1},t.isTerminatorless=function(e,t){if(!e)return!1;const
r=e.type;if("BreakStatement"===r||"ContinueStatement"===r||"ReturnStatement"===r||"ThrowStatement"===r||"Yie
ldExpression"===r||"AwaitExpression"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isCompletionStatement=function(e,t){if(!e)return!1;const
r=e.type;if("BreakStatement"===r||"ContinueStatement"===r||"ReturnStatement"===r||"ThrowStatement"===r)retur
n void 0===t||(0,n.default)(e,t);return!1},t.isConditional=function(e,t){if(!e)return!1;const
r=e.type;if("ConditionalExpression"===r||"IfStatement"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isLoop=function(e,t){if(!e)return!1;const
r=e.type;if("DoWhileStatement"===r||"ForInStatement"===r||"ForStatement"===r||"WhileStatement"===r||"ForOfS
tatement"===r)return void 0===t||(0,n.default)(e,t);return!1},t.isWhile=function(e,t){if(!e)return!1;const
r=e.type;if("DoWhileStatement"===r||"WhileStatement"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isExpressionWrapper=function(e,t){if(!e)return!1;const
r=e.type;if("ExpressionStatement"===r||"ParenthesizedExpression"===r||"TypeCastExpression"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFor=function(e,t){if(!e)return!1;const
r=e.type;if("ForInStatement"===r||"ForStatement"===r||"ForOfStatement"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isForXStatement=function(e,t){if(!e)return!1;const
r=e.type;if("ForInStatement"===r||"ForOfStatement"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFunction=function(e,t){if(!e)return!1;const
r=e.type;if("FunctionDeclaration"===r||"FunctionExpression"===r||"ObjectMethod"===r||"ArrowFunctionExpressio
n"===r||"ClassMethod"===r||"ClassPrivateMethod"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFunctionParent=function(e,t){if(!e)return!1;const
r=e.type;if("FunctionDeclaration"===r||"FunctionExpression"===r||"ObjectMethod"===r||"ArrowFunctionExpressio
n"===r||"ClassMethod"===r||"ClassPrivateMethod"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isPureish=function(e,t){if(!e)return!1;const
r=e.type;if("FunctionDeclaration"===r||"FunctionExpression"===r||"StringLiteral"===r||"NumericLiteral"===r||"Nu
llLiteral"===r||"BooleanLiteral"===r||"RegExpLiteral"===r||"ArrowFunctionExpression"===r||"BigIntLiteral"===r||
"DecimalLiteral"===r||"Placeholder"===r&&"StringLiteral"===e.expectedNode)return void
0===t||(0,n.default)(e,t);return!1},t.isDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("FunctionDeclaration"===r||"VariableDeclaration"===r||"ClassDeclaration"===r||"ExportAllDeclaration
"===r||"ExportDefaultDeclaration"===r||"ExportNamedDeclaration"===r||"ImportDeclaration"===r||"DeclareClass"

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===r||"DeclareFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareModuleExports"===r||"DeclareTypeAlias"===r||"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExportDeclaration"===r||"DeclareExportAllDeclaration"===r||"InterfaceDeclaration"===r||"OpaqueType"===r||"TypeAlias"===r||"EnumDeclaration"===r||"TSDeclareFunction"===r||"TSInterfaceDeclaration"===r||"TSTypeAliasDeclaration"===r||"TSEnumDeclaration"===r||"TSModuleDeclaration"===r||"Placeholder"===r&&"Declaration"===e.expectedNode)return void
0===t||(0,n.default)(e,t);return!1},t.isPatternLike=function(e,t){if(!e)return!1;const
r=e.type;if("Identifier"===r||"RestElement"===r||"AssignmentPattern"===r||"ArrayPattern"===r||"ObjectPattern"===r||"Placeholder"===r&&("Pattern"===e.expectedNode||"Identifier"===e.expectedNode))return void
0===t||(0,n.default)(e,t);return!1},t.isLVal=function(e,t){if(!e)return!1;const
r=e.type;if("Identifier"===r||"MemberExpression"===r||"RestElement"===r||"AssignmentPattern"===r||"ArrayPattern"===r||"ObjectPattern"===r||"TSParameterProperty"===r||"Placeholder"===r&&("Pattern"===e.expectedNode||"Identifier"===e.expectedNode))return void
0===t||(0,n.default)(e,t);return!1},t.isTSEntityName=function(e,t){if(!e)return!1;const
r=e.type;if("Identifier"===r||"TSQualifiedName"===r||"Placeholder"===r&&"Identifier"===e.expectedNode)return void
0===t||(0,n.default)(e,t);return!1},t.isLiteral=function(e,t){if(!e)return!1;const
r=e.type;if("StringLiteral"===r||"NumericLiteral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"RegExpLiteral"===r||"TemplateLiteral"===r||"BigIntLiteral"===r||"DecimalLiteral"===r||"Placeholder"===r&&"StringLiteral"===e.expectedNode)return void
0===t||(0,n.default)(e,t);return!1},t.isImmutable=function(e,t){if(!e)return!1;const
r=e.type;if("StringLiteral"===r||"NumericLiteral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"BigIntLiteral"===r||"JSXAttribute"===r||"JSXClosingElement"===r||"JSXElement"===r||"JSXExpressionContainer"===r||"JSXSpreadChild"===r||"JSXOpeningElement"===r||"JSXText"===r||"JSXFragment"===r||"JSXOpeningFragment"===r||"JSXClosingFragment"===r||"DecimalLiteral"===r||"Placeholder"===r&&"StringLiteral"===e.expectedNode)return void
0===t||(0,n.default)(e,t);return!1},t.isUserWhitespacable=function(e,t){if(!e)return!1;const
r=e.type;if("ObjectMethod"===r||"ObjectProperty"===r||"ObjectTypeInternalSlot"===r||"ObjectTypeCallProperty"===r||"ObjectTypeIndexer"===r||"ObjectTypeProperty"===r||"ObjectTypeSpreadProperty"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isMethod=function(e,t){if(!e)return!1;const
r=e.type;if("ObjectMethod"===r||"ClassMethod"===r||"ClassPrivateMethod"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isObjectMember=function(e,t){if(!e)return!1;const
r=e.type;if("ObjectMethod"===r||"ObjectProperty"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isProperty=function(e,t){if(!e)return!1;const
r=e.type;if("ObjectProperty"===r||"ClassProperty"===r||"ClassPrivateProperty"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isUnaryLike=function(e,t){if(!e)return!1;const
r=e.type;if("UnaryExpression"===r||"SpreadElement"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isPattern=function(e,t){if(!e)return!1;const
r=e.type;if("AssignmentPattern"===r||"ArrayPattern"===r||"ObjectPattern"===r||"Placeholder"===r&&"Pattern"===e.expectedNode)return void
0===t||(0,n.default)(e,t);return!1},t.isClass=function(e,t){if(!e)return!1;const
r=e.type;if("ClassExpression"===r||"ClassDeclaration"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isModuleDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("ExportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportNamedDeclaration"===r||"ImportDeclaration"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isExportDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("ExportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportNamedDeclaration"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isModuleSpecifier=function(e,t){if(!e)return!1;const
r=e.type;if("ExportSpecifier"===r||"ImportDefaultSpecifier"===r||"ImportNamespaceSpecifier"===r||"ImportSpecifier"===r||"ExportNamespaceSpecifier"===r||"ExportDefaultSpecifier"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFlow=function(e,t){if(!e)return!1;const
r=e.type;if("AnyTypeAnnotation"===r||"ArrayTypeAnnotation"===r||"BooleanTypeAnnotation"===r||"BooleanLiteralTypeAnnotation"===r||"NullLiteralTypeAnnotation"===r||"ClassImplements"===r||"DeclareClass"===r||"Declar

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eFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareModuleExports"===r||"DeclareTypeAlias"
"===r||"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExportDeclaration"===r||"DeclareExportAllDe
claration"===r||"DeclaredPredicate"===r||"ExistsTypeAnnotation"===r||"FunctionTypeAnnotation"===r||"Function
TypeParam"===r||"GenericTypeAnnotation"===r||"InferredPredicate"===r||"InterfaceExtends"===r||"InterfaceDecl
aration"===r||"InterfaceTypeAnnotation"===r||"IntersectionTypeAnnotation"===r||"MixedTypeAnnotation"===r||"
EmptyTypeAnnotation"===r||"NullableTypeAnnotation"===r||"NumberLiteralTypeAnnotation"===r||"NumberType
Annotation"===r||"ObjectTypeAnnotation"===r||"ObjectTypeInternalSlot"===r||"ObjectTypeCallProperty"===r||"O
bjectTypeIndexer"===r||"ObjectTypeProperty"===r||"ObjectTypeSpreadProperty"===r||"OpaqueType"===r||"Quali
fiedTypeIdentifier"===r||"StringLiteralTypeAnnotation"===r||"StringTypeAnnotation"===r||"SymbolTypeAnnotati
on"===r||"ThisTypeAnnotation"===r||"TupleTypeAnnotation"===r||"TypeofTypeAnnotation"===r||"TypeAlias"==
=r||"TypeAnnotation"===r||"TypeCastExpression"===r||"TypeParameter"===r||"TypeParameterDeclaration"===r||"
TypeParameterInstantiation"===r||"UnionTypeAnnotation"===r||"Variance"===r||"VoidTypeAnnotation"===r||"Ind
exedAccessType"===r||"OptionalIndexedAccessType"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFlowType=function(e,t){if(!e)return!1;const
r=e.type;if("AnyTypeAnnotation"===r||"ArrayTypeAnnotation"===r||"BooleanTypeAnnotation"===r||"BooleanLite
ralTypeAnnotation"===r||"NullLiteralTypeAnnotation"===r||"ExistsTypeAnnotation"===r||"FunctionTypeAnnotati
on"===r||"GenericTypeAnnotation"===r||"InterfaceTypeAnnotation"===r||"IntersectionTypeAnnotation"===r||"Mix
edTypeAnnotation"===r||"EmptyTypeAnnotation"===r||"NullableTypeAnnotation"===r||"NumberLiteralTypeAnno
tation"===r||"NumberTypeAnnotation"===r||"ObjectTypeAnnotation"===r||"StringLiteralTypeAnnotation"===r||"St
ringTypeAnnotation"===r||"SymbolTypeAnnotation"===r||"ThisTypeAnnotation"===r||"TupleTypeAnnotation"===
=r||"TypeofTypeAnnotation"===r||"UnionTypeAnnotation"===r||"VoidTypeAnnotation"===r||"IndexedAccessType
"===r||"OptionalIndexedAccessType"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFlowBaseAnnotation=function(e,t){if(!e)return!1;const
r=e.type;if("AnyTypeAnnotation"===r||"BooleanTypeAnnotation"===r||"NullLiteralTypeAnnotation"===r||"Mixed
TypeAnnotation"===r||"EmptyTypeAnnotation"===r||"NumberTypeAnnotation"===r||"StringTypeAnnotation"===r
||"SymbolTypeAnnotation"===r||"ThisTypeAnnotation"===r||"VoidTypeAnnotation"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isFlowDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("DeclareClass"===r||"DeclareFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareM
oduleExports"===r||"DeclareTypeAlias"===r||"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExport
Declaration"===r||"DeclareExportAllDeclaration"===r||"InterfaceDeclaration"===r||"OpaqueType"===r||"TypeAlia
s"===r)return void 0===t||(0,n.default)(e,t);return!1},t.isFlowPredicate=function(e,t){if(!e)return!1;const
r=e.type;if("DeclaredPredicate"===r||"InferredPredicate"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isEnumBody=function(e,t){if(!e)return!1;const
r=e.type;if("EnumBooleanBody"===r||"EnumNumberBody"===r||"EnumStringBody"===r||"EnumSymbolBody"===
=r)return void 0===t||(0,n.default)(e,t);return!1},t.isEnumMember=function(e,t){if(!e)return!1;const
r=e.type;if("EnumBooleanMember"===r||"EnumNumberMember"===r||"EnumStringMember"===r||"EnumDefault
edMember"===r)return void 0===t||(0,n.default)(e,t);return!1},t.isJSX=function(e,t){if(!e)return!1;const
r=e.type;if("JSXAttribute"===r||"JSXClosingElement"===r||"JSXElement"===r||"JSXEmptyExpression"===r||"JSX
ExpressionContainer"===r||"JSXSpreadChild"===r||"JSXIdentifier"===r||"JSXMemberExpression"===r||"JSXNam
espacedName"===r||"JSXOpeningElement"===r||"JSXSpreadAttribute"===r||"JSXText"===r||"JSXFragment"===r
||"JSXOpeningFragment"===r||"JSXClosingFragment"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isPrivate=function(e,t){if(!e)return!1;const
r=e.type;if("ClassPrivateProperty"===r||"ClassPrivateMethod"===r||"PrivateName"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isTSTypeElement=function(e,t){if(!e)return!1;const
r=e.type;if("TSCallSignatureDeclaration"===r||"TSConstructSignatureDeclaration"===r||"TSPropertySignature"===
=r||"TSMethodSignature"===r||"TSIndexSignature"===r)return void
0===t||(0,n.default)(e,t);return!1},t.isTSType=function(e,t){if(!e)return!1;const
r=e.type;if("TSAnyKeyword"===r||"TSBooleanKeyword"===r||"TSBigIntKeyword"===r||"TSIntrinsicKeyword"===

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===r||"TSNeverKeyword"===r||"TSNullKeyword"===r||"TSNumberKeyword"===r||"TSObjectKeyword"===r||"TSStringKeyword"===r||"TSSymbolKeyword"===r||"TSUndefinedKeyword"===r||"TSUnknownKeyword"===r||"TSVoidKeyword"===r||"TSThisType"===r||"TSFunctionType"===r||"TSConstructorType"===r||"TSTypeReference"===r||"TSTypePredicate"===r||"TSTypeQuery"===r||"TSTypeLiteral"===r||"TSArrayType"===r||"TSTupleType"===r||"TSOptionalType"===r||"TSRestType"===r||"TSUnionType"===r||"TSIntersectionType"===r||"TSConditionalType"===r||"TSInferType"===r||"TSParenthesizedType"===r||"TSTypeOperator"===r||"TSIndexedAccessType"===r||"TSMappedType"===r||"TSLiteralType"===r||"TSExpressionWithTypeArguments"===r||"TSImportType"===r)return void 0===t||(0,n.default)(e,t);return!1},t.isTSBaseType=function(e,t){if(!e)return!1;const r=e.type;if("TSAnyKeyword"===r||"TSBooleanKeyword"===r||"TSBigIntKeyword"===r||"TSIntrinsicKeyword"===r||"TSNeverKeyword"===r||"TSNullKeyword"===r||"TSNumberKeyword"===r||"TSObjectKeyword"===r||"TSStringKeyword"===r||"TSSymbolKeyword"===r||"TSUndefinedKeyword"===r||"TSUnknownKeyword"===r||"TSVoidKeyword"===r||"TSThisType"===r||"TSLiteralType"===r)return void 0===t||(0,n.default)(e,t);return!1},t.isNumberLiteral=function(e,t){if(console.trace("The node type NumberLiteral has been renamed to NumericLiteral"),!e)return!1;if("NumberLiteral"===e.type)return void 0===t||(0,n.default)(e,t);return!1},t.isRegexLiteral=function(e,t){if(console.trace("The node type RegexLiteral has been renamed to RegExpLiteral"),!e)return!1;if("RegexLiteral"===e.type)return void 0===t||(0,n.default)(e,t);return!1},t.isRestProperty=function(e,t){if(console.trace("The node type RestProperty has been renamed to RestElement"),!e)return!1;if("RestProperty"===e.type)return void 0===t||(0,n.default)(e,t);return!1},t.isSpreadProperty=function(e,t){if(console.trace("The node type SpreadProperty has been renamed to SpreadElement"),!e)return!1;if("SpreadProperty"===e.type)return void 0===t||(0,n.default)(e,t);return!1};var n=r(54)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.isArrayExpression=function(e,t){if(!e)return!1;if("Array Expression"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isAssignmentExpression=function(e,t){if(!e)return!1;if("AssignmentExpression"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isBinaryExpression=function(e,t){if(!e)return!1;if("BinaryExpression"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isInterpreterDirective=function(e,t){if(!e)return!1;if("InterpreterDirective"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isDirective=function(e,t){if(!e)return!1;if("Directive"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isDirectiveLiteral=function(e,t){if(!e)return!1;if("DirectiveLiteral"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isBlockStatement=function(e,t){if(!e)return!1;if("BlockStatement"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isBreakStatement=function(e,t){if(!e)return!1;if("BreakStatement"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isCallExpression=function(e,t){if(!e)return!1;if("CallExpression"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isCatchClause=function(e,t){if(!e)return!1;if("CatchClause"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isConditionalExpression=function(e,t){if(!e)return!1;if("ConditionalExpression"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isContinueStatement=function(e,t){if(!e)return!1;if("ContinueStatement"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isDebuggerStatement=function(e,t){if(!e)return!1;if("DebuggerStatement"===e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isDoWhileStatement=function(e,t){if(!e)return!1;if("DoWhileStatement"===e.type)return void

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0===t||(0,i.default)(e,t);return!1},t.isEmptyStatement=function(e,t){if(!e)return!1;if("EmptyStatement"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isExpressionStatement=function(e,t){if(!e)return!1;if("ExpressionStatement"===
e.type)return void 0===t||(0,i.default)(e,t);return!1},t.isFile=function(e,t){if(!e)return!1;if("File"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isForInStatement=function(e,t){if(!e)return!1;if("ForInStatement"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isForStatement=function(e,t){if(!e)return!1;if("ForStatement"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isFunctionDeclaration=function(e,t){if(!e)return!1;if("FunctionDeclaration"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isFunctionExpression=function(e,t){if(!e)return!1;if("FunctionExpression"===e.t
ype)return void
0===t||(0,i.default)(e,t);return!1},t.isIdentifier=function(e,t){if(!e)return!1;if("Identifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isIfStatement=function(e,t){if(!e)return!1;if("IfStatement"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isLabeledStatement=function(e,t){if(!e)return!1;if("LabeledStatement"===e.type
)return void
0===t||(0,i.default)(e,t);return!1},t.isStringLiteral=function(e,t){if(!e)return!1;if("StringLiteral"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isNumericLiteral=function(e,t){if(!e)return!1;if("NumericLiteral"===e.type)retur
n void 0===t||(0,i.default)(e,t);return!1},t.isNullLiteral=function(e,t){if(!e)return!1;if("NullLiteral"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isBooleanLiteral=function(e,t){if(!e)return!1;if("BooleanLiteral"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isRegExpLiteral=function(e,t){if(!e)return!1;if("RegExpLiteral"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isLogicalExpression=function(e,t){if(!e)return!1;if("LogicalExpression"===e.typ
e)return void
0===t||(0,i.default)(e,t);return!1},t.isMemberExpression=function(e,t){if(!e)return!1;if("MemberExpression"===e.t
ype)return void
0===t||(0,i.default)(e,t);return!1},t.isNewExpression=function(e,t){if(!e)return!1;if("NewExpression"===e.type)retu
rn void 0===t||(0,i.default)(e,t);return!1},t.isProgram=function(e,t){if(!e)return!1;if("Program"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isObjectExpression=function(e,t){if(!e)return!1;if("ObjectExpression"===e.type)
return void
0===t||(0,i.default)(e,t);return!1},t.isObjectMethod=function(e,t){if(!e)return!1;if("ObjectMethod"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isObjectProperty=function(e,t){if(!e)return!1;if("ObjectProperty"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isRestElement=function(e,t){if(!e)return!1;if("RestElement"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isReturnStatement=function(e,t){if(!e)return!1;if("ReturnStatement"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isSequenceExpression=function(e,t){if(!e)return!1;if("SequenceExpression"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isParenthesizedExpression=function(e,t){if(!e)return!1;if("ParenthesizedExpressi
on"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isSwitchCase=function(e,t){if(!e)return!1;if("SwitchCase"===e.type)return void

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0===t||(0,i.default)(e,t);return!1},t.isSwitchStatement=function(e,t){if(!e)return!1;if("SwitchStatement"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isThisExpression=function(e,t){if(!e)return!1;if("ThisExpression"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isThrowStatement=function(e,t){if(!e)return!1;if("ThrowStatement"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isTryStatement=function(e,t){if(!e)return!1;if("TryStatement"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isUnaryExpression=function(e,t){if(!e)return!1;if("UnaryExpression"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isUpdateExpression=function(e,t){if(!e)return!1;if("UpdateExpression"===e.type
)return void
0===t||(0,i.default)(e,t);return!1},t.isVariableDeclaration=function(e,t){if(!e)return!1;if("VariableDeclaration"===e.
type)return void
0===t||(0,i.default)(e,t);return!1},t.isVariableDeclarator=function(e,t){if(!e)return!1;if("VariableDeclarator"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isWhileStatement=function(e,t){if(!e)return!1;if("WhileStatement"===e.type)ret
urn void
0===t||(0,i.default)(e,t);return!1},t.isWithStatement=function(e,t){if(!e)return!1;if("WithStatement"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isAssignmentPattern=function(e,t){if(!e)return!1;if("AssignmentPattern"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isArrayPattern=function(e,t){if(!e)return!1;if("ArrayPattern"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isArrowFunctionExpression=function(e,t){if(!e)return!1;if("ArrowFunctionExpre
ssion"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassBody=function(e,t){if(!e)return!1;if("ClassBody"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassExpression=function(e,t){if(!e)return!1;if("ClassExpression"===e.type)ret
urn void
0===t||(0,i.default)(e,t);return!1},t.isClassDeclaration=function(e,t){if(!e)return!1;if("ClassDeclaration"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isExportAllDeclaration=function(e,t){if(!e)return!1;if("ExportAllDeclaration"===
=e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExportDefaultDeclaration=function(e,t){if(!e)return!1;if("ExportDefaultDeclara
tion"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExportNamedDeclaration=function(e,t){if(!e)return!1;if("ExportNamedDeclara
tion"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExportSpecifier=function(e,t){if(!e)return!1;if("ExportSpecifier"===e.type)retu
rn void
0===t||(0,i.default)(e,t);return!1},t.isForOfStatement=function(e,t){if(!e)return!1;if("ForOfStatement"===e.type)ret
urn void
0===t||(0,i.default)(e,t);return!1},t.isImportDeclaration=function(e,t){if(!e)return!1;if("ImportDeclaration"===e.ty
pe)return void
0===t||(0,i.default)(e,t);return!1},t.isImportDefaultSpecifier=function(e,t){if(!e)return!1;if("ImportDefaultSpecifier"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isImportNamespaceSpecifier=function(e,t){if(!e)return!1;if("ImportNamespaceS
pecifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isImportSpecifier=function(e,t){if(!e)return!1;if("ImportSpecifier"===e.type)retu

```



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rn void
0===t||(0,i.default)(e,t);return!1},t.isMetaProperty=function(e,t){if(!e)return!1;if("MetaProperty"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isClassMethod=function(e,t){if(!e)return!1;if("ClassMethod"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isObjectPattern=function(e,t){if(!e)return!1;if("ObjectPattern"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isSpreadElement=function(e,t){if(!e)return!1;if("SpreadElement"===e.type)retur
n void 0===t||(0,i.default)(e,t);return!1},t.isSuper=function(e,t){if(!e)return!1;if("Super"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTaggedTemplateExpression=function(e,t){if(!e)return!1;if("TaggedTemplateEx
pression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTemplateElement=function(e,t){if(!e)return!1;if("TemplateElement"===e.type)
return void
0===t||(0,i.default)(e,t);return!1},t.isTemplateLiteral=function(e,t){if(!e)return!1;if("TemplateLiteral"===e.type)ret
urn void
0===t||(0,i.default)(e,t);return!1},t.isYieldExpression=function(e,t){if(!e)return!1;if("YieldExpression"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isAwaitExpression=function(e,t){if(!e)return!1;if("AwaitExpression"===e.type)r
eturn void 0===t||(0,i.default)(e,t);return!1},t.isImport=function(e,t){if(!e)return!1;if("Import"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBigIntLiteral=function(e,t){if(!e)return!1;if("BigIntLiteral"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isExportNamespaceSpecifier=function(e,t){if(!e)return!1;if("ExportNamespaceS
pecifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isOptionalMemberExpression=function(e,t){if(!e)return!1;if("OptionalMemberE
xpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isOptionalCallExpression=function(e,t){if(!e)return!1;if("OptionalCallExpression
"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isAnyTypeAnnotation=function(e,t){if(!e)return!1;if("AnyTypeAnnotation"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isArrayTypeAnnotation=function(e,t){if(!e)return!1;if("ArrayTypeAnnotation"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBooleanTypeAnnotation=function(e,t){if(!e)return!1;if("BooleanTypeAnnotati
on"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBooleanLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("BooleanLiteralT
ypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNullLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("NullLiteralTypeAnn
otation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassImplements=function(e,t){if(!e)return!1;if("ClassImplements"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isDeclareClass=function(e,t){if(!e)return!1;if("DeclareClass"===e.type)return
void
0===t||(0,i.default)(e,t);return!1},t.isDeclareFunction=function(e,t){if(!e)return!1;if("DeclareFunction"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isDeclareInterface=function(e,t){if(!e)return!1;if("DeclareInterface"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isDeclareModule=function(e,t){if(!e)return!1;if("DeclareModule"===e.type)retur
n void
0===t||(0,i.default)(e,t);return!1},t.isDeclareModuleExports=function(e,t){if(!e)return!1;if("DeclareModuleExports"

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===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareTypeAlias=function(e,t){if(!e)return!1;if("DeclareTypeAlias"===e.type
)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareOpaqueType=function(e,t){if(!e)return!1;if("DeclareOpaqueType"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareVariable=function(e,t){if(!e)return!1;if("DeclareVariable"===e.type)ret
urn void
0===t||(0,i.default)(e,t);return!1},t.isDeclareExportDeclaration=function(e,t){if(!e)return!1;if("DeclareExportDeclar
ation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclareExportAllDeclaration=function(e,t){if(!e)return!1;if("DeclareExportAll
Declaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclaredPredicate=function(e,t){if(!e)return!1;if("DeclaredPredicate"===e.type
)return void
0===t||(0,i.default)(e,t);return!1},t.isExistsTypeAnnotation=function(e,t){if(!e)return!1;if("ExistsTypeAnnotation"=
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isFunctionTypeAnnotation=function(e,t){if(!e)return!1;if("FunctionTypeAnnotati
on"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isFunctionTypeParam=function(e,t){if(!e)return!1;if("FunctionTypeParam"===e.
type)return void
0===t||(0,i.default)(e,t);return!1},t.isGenericTypeAnnotation=function(e,t){if(!e)return!1;if("GenericTypeAnnotatio
n"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isInferredPredicate=function(e,t){if(!e)return!1;if("InferredPredicate"===e.type)r
eturn void
0===t||(0,i.default)(e,t);return!1},t.isInterfaceExtends=function(e,t){if(!e)return!1;if("InterfaceExtends"===e.type)re
turn void
0===t||(0,i.default)(e,t);return!1},t.isInterfaceDeclaration=function(e,t){if(!e)return!1;if("InterfaceDeclaration"===e
.type)return void
0===t||(0,i.default)(e,t);return!1},t.isInterfaceTypeAnnotation=function(e,t){if(!e)return!1;if("InterfaceTypeAnnotati
on"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isIntersectionTypeAnnotation=function(e,t){if(!e)return!1;if("IntersectionTypeA
nnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isMixedTypeAnnotation=function(e,t){if(!e)return!1;if("MixedTypeAnnotation"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEmptyTypeAnnotation=function(e,t){if(!e)return!1;if("EmptyTypeAnnotation"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNullableTypeAnnotation=function(e,t){if(!e)return!1;if("NullableTypeAnnotati
on"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNumberLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("NumberLiteralT
ypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNumberTypeAnnotation=function(e,t){if(!e)return!1;if("NumberTypeAnnotatio
n"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeAnnotation=function(e,t){if(!e)return!1;if("ObjectTypeAnnotation"
===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeInternalSlot=function(e,t){if(!e)return!1;if("ObjectTypeInternalSlot
"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeCallProperty=function(e,t){if(!e)return!1;if("ObjectTypeCallPropert
y"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeIndexer=function(e,t){if(!e)return!1;if("ObjectTypeIndexer"===e.ty

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pe)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeProperty=function(e,t){if(!e)return!1;if("ObjectTypeProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectTypeSpreadProperty=function(e,t){if(!e)return!1;if("ObjectTypeSpreadProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isOpaqueType=function(e,t){if(!e)return!1;if("OpaqueType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isQualifiedTypeIdentifier=function(e,t){if(!e)return!1;if("QualifiedTypeIdentifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isStringLiteralTypeAnnotation=function(e,t){if(!e)return!1;if("StringLiteralTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isStringTypeAnnotation=function(e,t){if(!e)return!1;if("StringTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isSymbolTypeAnnotation=function(e,t){if(!e)return!1;if("SymbolTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isThisTypeAnnotation=function(e,t){if(!e)return!1;if("ThisTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTupleTypeAnnotation=function(e,t){if(!e)return!1;if("TupleTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeofTypeAnnotation=function(e,t){if(!e)return!1;if("TypeofTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeAlias=function(e,t){if(!e)return!1;if("TypeAlias"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeAnnotation=function(e,t){if(!e)return!1;if("TypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeCastExpression=function(e,t){if(!e)return!1;if("TypeCastExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeParameter=function(e,t){if(!e)return!1;if("TypeParameter"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeParameterDeclaration=function(e,t){if(!e)return!1;if("TypeParameterDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTypeParameterInstantiation=function(e,t){if(!e)return!1;if("TypeParameterInstantiation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isUnionTypeAnnotation=function(e,t){if(!e)return!1;if("UnionTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isVariance=function(e,t){if(!e)return!1;if("Variance"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isVoidTypeAnnotation=function(e,t){if(!e)return!1;if("VoidTypeAnnotation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumDeclaration=function(e,t){if(!e)return!1;if("EnumDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumBooleanBody=function(e,t){if(!e)return!1;if("EnumBooleanBody"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumNumberBody=function(e,t){if(!e)return!1;if("EnumNumberBody"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumStringBody=function(e,t){if(!e)return!1;if("EnumStringBody"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumSymbolBody=function(e,t){if(!e)return!1;if("EnumSymbolBody"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumBooleanMember=function(e,t){if(!e)return!1;if("EnumBooleanMember"===

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===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumNumberMember=function(e,t){if(!e)return!1;if("EnumNumberMember"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumStringMember=function(e,t){if(!e)return!1;if("EnumStringMember"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumDefaultedMember=function(e,t){if(!e)return!1;if("EnumDefaultedMember"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXAttribute=function(e,t){if(!e)return!1;if("JSXAttribute"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXClosingElement=function(e,t){if(!e)return!1;if("JSXClosingElement"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXElement=function(e,t){if(!e)return!1;if("JSXElement"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXEmptyExpression=function(e,t){if(!e)return!1;if("JSXEmptyExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXExpressionContainer=function(e,t){if(!e)return!1;if("JSXExpressionContainer"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXSpreadChild=function(e,t){if(!e)return!1;if("JSXSpreadChild"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXIdentifier=function(e,t){if(!e)return!1;if("JSXIdentifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXMemberExpression=function(e,t){if(!e)return!1;if("JSXMemberExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXNamespacedName=function(e,t){if(!e)return!1;if("JSXNamespacedName"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXOpeningElement=function(e,t){if(!e)return!1;if("JSXOpeningElement"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXSpreadAttribute=function(e,t){if(!e)return!1;if("JSXSpreadAttribute"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXText=function(e,t){if(!e)return!1;if("JSXText"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXFragment=function(e,t){if(!e)return!1;if("JSXFragment"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXOpeningFragment=function(e,t){if(!e)return!1;if("JSXOpeningFragment"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isJSXClosingFragment=function(e,t){if(!e)return!1;if("JSXClosingFragment"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isNoop=function(e,t){if(!e)return!1;if("Noop"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPlaceholder=function(e,t){if(!e)return!1;if("Placeholder"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isV8IntrinsicIdentifier=function(e,t){if(!e)return!1;if("V8IntrinsicIdentifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isArgumentPlaceholder=function(e,t){if(!e)return!1;if("ArgumentPlaceholder"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isBindExpression=function(e,t){if(!e)return!1;if("BindExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassProperty=function(e,t){if(!e)return!1;if("ClassProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPipelineTopicExpression=function(e,t){if(!e)return!1;if("PipelineTopicExpression"===e.type)return void

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0===t||(0,i.default)(e,t);return!1},t.isPipelineBareFunction=function(e,t){if(!e)return!1;if("PipelineBareFunction"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPipelinePrimaryTopicReference=function(e,t){if(!e)return!1;if("PipelinePrimaryTopicReference"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassPrivateProperty=function(e,t){if(!e)return!1;if("ClassPrivateProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isClassPrivateMethod=function(e,t){if(!e)return!1;if("ClassPrivateMethod"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isImportAttribute=function(e,t){if(!e)return!1;if("ImportAttribute"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDecorator=function(e,t){if(!e)return!1;if("Decorator"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDoExpression=function(e,t){if(!e)return!1;if("DoExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExportDefaultSpecifier=function(e,t){if(!e)return!1;if("ExportDefaultSpecifier"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isPrivateName=function(e,t){if(!e)return!1;if("PrivateName"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isRecordExpression=function(e,t){if(!e)return!1;if("RecordExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTupleExpression=function(e,t){if(!e)return!1;if("TupleExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isDecimalLiteral=function(e,t){if(!e)return!1;if("DecimalLiteral"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isStaticBlock=function(e,t){if(!e)return!1;if("StaticBlock"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSParameterProperty=function(e,t){if(!e)return!1;if("TSParameterProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSDeclareFunction=function(e,t){if(!e)return!1;if("TSDeclareFunction"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSDeclareMethod=function(e,t){if(!e)return!1;if("TSDeclareMethod"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSQualifiedName=function(e,t){if(!e)return!1;if("TSQualifiedName"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSCallSignatureDeclaration=function(e,t){if(!e)return!1;if("TSCallSignatureDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSConstructSignatureDeclaration=function(e,t){if(!e)return!1;if("TSConstructSignatureDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSPropertySignature=function(e,t){if(!e)return!1;if("TSPropertySignature"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSMethodSignature=function(e,t){if(!e)return!1;if("TSMethodSignature"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSIndexSignature=function(e,t){if(!e)return!1;if("TSIndexSignature"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSAnyKeyword=function(e,t){if(!e)return!1;if("TSAnyKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSBooleanKeyword=function(e,t){if(!e)return!1;if("TSBooleanKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSBigIntKeyword=function(e,t){if(!e)return!1;if("TSBigIntKeyword"===e.type)return void

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0===t||(0,i.default)(e,t);return!1},t.isTSIntrinsicKeyword=function(e,t){if(!e)return!1;if("TSIntrinsicKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNeverKeyword=function(e,t){if(!e)return!1;if("TSNeverKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNullKeyword=function(e,t){if(!e)return!1;if("TSNullKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNumberKeyword=function(e,t){if(!e)return!1;if("TSNumberKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSObjectKeyword=function(e,t){if(!e)return!1;if("TSObjectKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSStringKeyword=function(e,t){if(!e)return!1;if("TSStringKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSSymbolKeyword=function(e,t){if(!e)return!1;if("TSSymbolKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSUndefinedKeyword=function(e,t){if(!e)return!1;if("TSUndefinedKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSUnknownKeyword=function(e,t){if(!e)return!1;if("TSUnknownKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSVoidKeyword=function(e,t){if(!e)return!1;if("TSVoidKeyword"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSThisType=function(e,t){if(!e)return!1;if("TSThisType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSFunctionType=function(e,t){if(!e)return!1;if("TSFunctionType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSConstructorType=function(e,t){if(!e)return!1;if("TSConstructorType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeReference=function(e,t){if(!e)return!1;if("TSTypeReference"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypePredicate=function(e,t){if(!e)return!1;if("TSTypePredicate"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeQuery=function(e,t){if(!e)return!1;if("TSTypeQuery"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeLiteral=function(e,t){if(!e)return!1;if("TSTypeLiteral"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSArrayType=function(e,t){if(!e)return!1;if("TSArrayType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTupleType=function(e,t){if(!e)return!1;if("TSTupleType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSOptionalType=function(e,t){if(!e)return!1;if("TSOptionalType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSRestType=function(e,t){if(!e)return!1;if("TSRestType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNamedTupleMember=function(e,t){if(!e)return!1;if("TSNamedTupleMember"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSUnionType=function(e,t){if(!e)return!1;if("TSUnionType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSIntersectionType=function(e,t){if(!e)return!1;if("TSIntersectionType"===e.type)return void

```

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0===t||(0,i.default)(e,t);return!1},t.isTSConditionalType=function(e,t){if(!e)return!1;if("TSConditionalType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSInferType=function(e,t){if(!e)return!1;if("TSInferType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSParenthesizedType=function(e,t){if(!e)return!1;if("TSParenthesizedType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeOperator=function(e,t){if(!e)return!1;if("TSTypeOperator"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSIndexedAccessType=function(e,t){if(!e)return!1;if("TSIndexedAccessType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSMappedType=function(e,t){if(!e)return!1;if("TSMappedType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSLiteralType=function(e,t){if(!e)return!1;if("TSLiteralType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSExpressionWithTypeArguments=function(e,t){if(!e)return!1;if("TSExpressionWithTypeArguments"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSInterfaceDeclaration=function(e,t){if(!e)return!1;if("TSInterfaceDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSInterfaceBody=function(e,t){if(!e)return!1;if("TSInterfaceBody"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeAliasDeclaration=function(e,t){if(!e)return!1;if("TSTypeAliasDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSAsExpression=function(e,t){if(!e)return!1;if("TSAsExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeAssertion=function(e,t){if(!e)return!1;if("TSTypeAssertion"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSEnumDeclaration=function(e,t){if(!e)return!1;if("TSEnumDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSEnumMember=function(e,t){if(!e)return!1;if("TSEnumMember"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSModuleDeclaration=function(e,t){if(!e)return!1;if("TSModuleDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSModuleBlock=function(e,t){if(!e)return!1;if("TSModuleBlock"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSImportType=function(e,t){if(!e)return!1;if("TSImportType"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSImportEqualsDeclaration=function(e,t){if(!e)return!1;if("TSImportEqualsDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSExternalModuleReference=function(e,t){if(!e)return!1;if("TSExternalModuleReference"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNonNullExpression=function(e,t){if(!e)return!1;if("TSNonNullExpression"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSExportAssignment=function(e,t){if(!e)return!1;if("TSExportAssignment"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSNamespaceExportDeclaration=function(e,t){if(!e)return!1;if("TSNamespaceExportDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeAnnotation=function(e,t){if(!e)return!1;if("TSTypeAnnotation"===e.type)return void

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0===t||(0,i.default)(e,t);return!1},t.isTSTypeParameterInstantiation=function(e,t){if(!e)return!1;if("TSTypeParameterInstantiation"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeParameterDeclaration=function(e,t){if(!e)return!1;if("TSTypeParameterDeclaration"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeParameter=function(e,t){if(!e)return!1;if("TSTypeParameter"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isExpression=function(e,t){if(!e)return!1;const
r=e.type;if("Expression"===r||"ArrayExpression"===r||"AssignmentExpression"===r||"BinaryExpression"===r||"CallExpression"===r||"ConditionalExpression"===r||"FunctionExpression"===r||"Identifier"===r||"StringLiteral"===r||"NumericLiteral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"RegExpLiteral"===r||"LogicalExpression"===r||"MemberExpression"===r||"NewExpression"===r||"ObjectExpression"===r||"SequenceExpression"===r||"ParenthesizedExpression"===r||"ThisExpression"===r||"UnaryExpression"===r||"UpdateExpression"===r||"ArrowFunctionExpression"===r||"ClassExpression"===r||"MetaProperty"===r||"Super"===r||"TaggedTemplateExpression"===r||"TemplateLiteral"===r||"YieldExpression"===r||"AwaitExpression"===r||"Import"===r||"BigIntLiteral"===r||"OptionalMemberExpression"===r||"OptionalCallExpression"===r||"TypeCastExpression"===r||"JSXElement"===r||"JSXFragment"===r||"BindExpression"===r||"PipelinePrimaryTopicReference"===r||"DoExpression"===r||"RecordExpression"===r||"TupleExpression"===r||"DecimalLiteral"===r||"TSAsExpression"===r||"TSTypeAssertion"===r||"TSNonNullExpression"===r||"Placeholder"===r&&("Expression"===e.expectedNode||"Identifier"===e.expectedNode||"StringLiteral"===e.expectedNode))return void
0===t||(0,i.default)(e,t);return!1},t.isBinary=function(e,t){if(!e)return!1;const
r=e.type;if("Binary"===r||"BinaryExpression"===r||"LogicalExpression"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isScopable=function(e,t){if(!e)return!1;const
r=e.type;if("Scopable"===r||"BlockStatement"===r||"CatchClause"===r||"DoWhileStatement"===r||"ForInStatement"===r||"ForStatement"===r||"FunctionDeclaration"===r||"FunctionExpression"===r||"Program"===r||"ObjectMethod"===r||"SwitchStatement"===r||"WhileStatement"===r||"ArrowFunctionExpression"===r||"ClassExpression"===r||"ClassDeclaration"===r||"ForOfStatement"===r||"ClassMethod"===r||"ClassPrivateMethod"===r||"StaticBlock"===r||"TSMODULEBlock"===r||"Placeholder"===r&&"BlockStatement"===e.expectedNode)return void
0===t||(0,i.default)(e,t);return!1},t.isBlockParent=function(e,t){if(!e)return!1;const
r=e.type;if("BlockParent"===r||"BlockStatement"===r||"CatchClause"===r||"DoWhileStatement"===r||"ForInStatement"===r||"ForStatement"===r||"FunctionDeclaration"===r||"FunctionExpression"===r||"Program"===r||"ObjectMethod"===r||"SwitchStatement"===r||"WhileStatement"===r||"ArrowFunctionExpression"===r||"ForOfStatement"===r||"ClassMethod"===r||"ClassPrivateMethod"===r||"StaticBlock"===r||"TSMODULEBlock"===r||"Placeholder"===r&&"BlockStatement"===e.expectedNode)return void
0===t||(0,i.default)(e,t);return!1},t.isBlock=function(e,t){if(!e)return!1;const
r=e.type;if("Block"===r||"BlockStatement"===r||"Program"===r||"TSMODULEBlock"===r||"Placeholder"===r&&"BlockStatement"===e.expectedNode)return void
0===t||(0,i.default)(e,t);return!1},t.isStatement=function(e,t){if(!e)return!1;const
r=e.type;if("Statement"===r||"BlockStatement"===r||"BreakStatement"===r||"ContinueStatement"===r||"DebuggerStatement"===r||"DoWhileStatement"===r||"EmptyStatement"===r||"ExpressionStatement"===r||"ForInStatement"===r||"ForStatement"===r||"FunctionDeclaration"===r||"IfStatement"===r||"LabeledStatement"===r||"ReturnStatement"===r||"SwitchStatement"===r||"ThrowStatement"===r||"TryStatement"===r||"VariableDeclaration"===r||"WhileStatement"===r||"WithStatement"===r||"ClassDeclaration"===r||"ExportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportNamedDeclaration"===r||"ForOfStatement"===r||"ImportDeclaration"===r||"DeclareClass"===r||"DeclareFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareModuleExports"===r||"DeclareTypeAlias"===r||"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExportDeclaration"===r||"DeclareExportAllDeclaration"===r||"InterfaceDeclaration"===r||"OpaqueType"===r||"TypeAlias"===r||"EnumDeclaration"===r||"TSDeclareFunction"===r||"TSInterfaceDeclaration"===r||"TSTypeAliasDeclaration"===r||"TSEnumDeclaration"===r||"TSMODULEDeclaration"===r||"TSImportEqualsDeclaration"===r||"TSEXPORTAssignment"===r||"TSNameSpaceExportDeclaration"===r||"Placeholder"===r&&("Statement"===e.expectedNode||"Declaration"===e.expectedN

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ode||"BlockStatement"===e.expectedNode))return void
0===t||(0,i.default)(e,t);return!1},t.isTerminatorless=function(e,t){if(!e)return!1;const
r=e.type;if("Terminatorless"===r||"BreakStatement"===r||"ContinueStatement"===r||"ReturnStatement"===r||"Thro
wStatement"===r||"YieldExpression"===r||"AwaitExpression"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isCompletionStatement=function(e,t){if(!e)return!1;const
r=e.type;if("CompletionStatement"===r||"BreakStatement"===r||"ContinueStatement"===r||"ReturnStatement"===r
||"ThrowStatement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isConditional=function(e,t){if(!e)return!1;const
r=e.type;if("Conditional"===r||"ConditionalExpression"===r||"IfStatement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isLoop=function(e,t){if(!e)return!1;const
r=e.type;if("Loop"===r||"DoWhileStatement"===r||"ForInStatement"===r||"ForStatement"===r||"WhileStatement"=
===r||"ForOfStatement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isWhile=function(e,t){if(!e)return!1;const
r=e.type;if("While"===r||"DoWhileStatement"===r||"WhileStatement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isExpressionWrapper=function(e,t){if(!e)return!1;const
r=e.type;if("ExpressionWrapper"===r||"ExpressionStatement"===r||"ParenthesizedExpression"===r||"TypeCastExp
ression"===r)return void 0===t||(0,i.default)(e,t);return!1},t.isFor=function(e,t){if(!e)return!1;const
r=e.type;if("For"===r||"ForInStatement"===r||"ForStatement"===r||"ForOfStatement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isForXStatement=function(e,t){if(!e)return!1;const
r=e.type;if("ForXStatement"===r||"ForInStatement"===r||"ForOfStatement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isFunction=function(e,t){if(!e)return!1;const
r=e.type;if("Function"===r||"FunctionDeclaration"===r||"FunctionExpression"===r||"ObjectMethod"===r||"ArrowF
unctionExpression"===r||"ClassMethod"===r||"ClassPrivateMethod"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isFunctionParent=function(e,t){if(!e)return!1;const
r=e.type;if("FunctionParent"===r||"FunctionDeclaration"===r||"FunctionExpression"===r||"ObjectMethod"===r||"A
rrowFunctionExpression"===r||"ClassMethod"===r||"ClassPrivateMethod"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isPureish=function(e,t){if(!e)return!1;const
r=e.type;if("Pureish"===r||"FunctionDeclaration"===r||"FunctionExpression"===r||"StringLiteral"===r||"NumericLi
teral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"RegExpLiteral"===r||"ArrowFunctionExpression"===r||"BigI
ntLiteral"===r||"DecimalLiteral"===r||"Placeholder"===r&&"StringLiteral"===e.expectedNode)return void
0===t||(0,i.default)(e,t);return!1},t.isDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("Declaration"===r||"FunctionDeclaration"===r||"VariableDeclaration"===r||"ClassDeclaration"===r||"E
xportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportNamedDeclaration"===r||"ImportDeclaration"=
===r||"DeclareClass"===r||"DeclareFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareModule
Exports"===r||"DeclareTypeAlias"===r||"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExportDecla
ration"===r||"DeclareExportAllDeclaration"===r||"InterfaceDeclaration"===r||"OpaqueType"===r||"TypeAlias"===r
||"EnumDeclaration"===r||"TSDeclareFunction"===r||"TSInterfaceDeclaration"===r||"TSTypeAliasDeclaration"===
=r||"TSEnumDeclaration"===r||"TSMODULEDECLARATION"===r||"Placeholder"===r&&"Declaration"===e.expectedNo
de)return void 0===t||(0,i.default)(e,t);return!1},t.isPatternLike=function(e,t){if(!e)return!1;const
r=e.type;if("PatternLike"===r||"Identifier"===r||"RestElement"===r||"AssignmentPattern"===r||"ArrayPattern"===r
||"ObjectPattern"===r||"Placeholder"===r&&("Pattern"===e.expectedNode||"Identifier"===e.expectedNode))return
void 0===t||(0,i.default)(e,t);return!1},t.isLVal=function(e,t){if(!e)return!1;const
r=e.type;if("LVal"===r||"Identifier"===r||"MemberExpression"===r||"RestElement"===r||"AssignmentPattern"===r
||"ArrayPattern"===r||"ObjectPattern"===r||"TSParameterProperty"===r||"Placeholder"===r&&("Pattern"===e.exp
ectedNode||"Identifier"===e.expectedNode))return void
0===t||(0,i.default)(e,t);return!1},t.isTSEntityName=function(e,t){if(!e)return!1;const
r=e.type;if("TSEntityName"===r||"Identifier"===r||"TSQualifiedName"===r||"Placeholder"===r&&"Identifier"===
e.expectedNode)return void 0===t||(0,i.default)(e,t);return!1},t.isLiteral=function(e,t){if(!e)return!1;const

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r=e.type;if("Literal"===r||"StringLiteral"===r||"NumericLiteral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"RegExpLiteral"===r||"TemplateLiteral"===r||"BigIntLiteral"===r||"DecimalLiteral"===r||"Placeholder"===r&&"StringLiteral"===e.expectedNode)return void
0===t||(0,i.default)(e,t);return!1},t.isImmutable=function(e,t){if(!e)return!1;const
r=e.type;if("Immutable"===r||"StringLiteral"===r||"NumericLiteral"===r||"NullLiteral"===r||"BooleanLiteral"===r||"BigIntLiteral"===r||"JSXAttribute"===r||"JSXClosingElement"===r||"JSXElement"===r||"JSXExpressionContainer"===r||"JSXSpreadChild"===r||"JSXOpeningElement"===r||"JSXText"===r||"JSXFragment"===r||"JSXOpeningFragment"===r||"JSXClosingFragment"===r||"DecimalLiteral"===r||"Placeholder"===r&&"StringLiteral"===e.expectedNode)return void 0===t||(0,i.default)(e,t);return!1},t.isUserWhitespacable=function(e,t){if(!e)return!1;const
r=e.type;if("UserWhitespacable"===r||"ObjectMethod"===r||"ObjectProperty"===r||"ObjectTypeInternalSlot"===r||"ObjectTypeCallProperty"===r||"ObjectTypeIndexer"===r||"ObjectTypeProperty"===r||"ObjectTypeSpreadProperty"===r)return void 0===t||(0,i.default)(e,t);return!1},t.isMethod=function(e,t){if(!e)return!1;const
r=e.type;if("Method"===r||"ObjectMethod"===r||"ClassMethod"===r||"ClassPrivateMethod"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isObjectMember=function(e,t){if(!e)return!1;const
r=e.type;if("ObjectMember"===r||"ObjectMethod"===r||"ObjectProperty"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isProperty=function(e,t){if(!e)return!1;const
r=e.type;if("Property"===r||"ObjectProperty"===r||"ClassProperty"===r||"ClassPrivateProperty"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isUnaryLike=function(e,t){if(!e)return!1;const
r=e.type;if("UnaryLike"===r||"UnaryExpression"===r||"SpreadElement"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isPattern=function(e,t){if(!e)return!1;const
r=e.type;if("Pattern"===r||"AssignmentPattern"===r||"ArrayPattern"===r||"ObjectPattern"===r||"Placeholder"===r&&"Pattern"===e.expectedNode)return void
0===t||(0,i.default)(e,t);return!1},t.isClass=function(e,t){if(!e)return!1;const
r=e.type;if("Class"===r||"ClassExpression"===r||"ClassDeclaration"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isModuleDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("ModuleDeclaration"===r||"ExportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportNamedDeclaration"===r||"ImportDeclaration"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isExportDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("ExportDeclaration"===r||"ExportAllDeclaration"===r||"ExportDefaultDeclaration"===r||"ExportNamedDeclaration"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isModuleSpecifier=function(e,t){if(!e)return!1;const
r=e.type;if("ModuleSpecifier"===r||"ExportSpecifier"===r||"ImportDefaultSpecifier"===r||"ImportNamespaceSpecifier"===r||"ImportSpecifier"===r||"ExportNamespaceSpecifier"===r||"ExportDefaultSpecifier"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isFlow=function(e,t){if(!e)return!1;const
r=e.type;if("Flow"===r||"AnyTypeAnnotation"===r||"ArrayTypeAnnotation"===r||"BooleanTypeAnnotation"===r||"BooleanLiteralTypeAnnotation"===r||"NullLiteralTypeAnnotation"===r||"ClassImplements"===r||"DeclareClass"===r||"DeclareFunction"===r||"DeclareInterface"===r||"DeclareModule"===r||"DeclareModuleExports"===r||"DeclareTypeAlias"===r||"DeclareOpaqueType"===r||"DeclareVariable"===r||"DeclareExportDeclaration"===r||"DeclareExportAllDeclaration"===r||"DeclaredPredicate"===r||"ExistsTypeAnnotation"===r||"FunctionTypeAnnotation"===r||"FunctionTypeParam"===r||"GenericTypeAnnotation"===r||"InferredPredicate"===r||"InterfaceExtends"===r||"InterfaceDeclaration"===r||"InterfaceTypeAnnotation"===r||"IntersectionTypeAnnotation"===r||"MixedTypeAnnotation"===r||"EmptyTypeAnnotation"===r||"NullableTypeAnnotation"===r||"NumberLiteralTypeAnnotation"===r||"NumberTypeAnnotation"===r||"ObjectTypeAnnotation"===r||"ObjectTypeInternalSlot"===r||"ObjectTypeCallProperty"===r||"ObjectTypeIndexer"===r||"ObjectTypeProperty"===r||"ObjectTypeSpreadProperty"===r||"OpaqueType"===r||"QualifiedTypeIdentifier"===r||"StringLiteralTypeAnnotation"===r||"StringTypeAnnotation"===r||"SymbolTypeAnnotation"===r||"ThisTypeAnnotation"===r||"TupleTypeAnnotation"===r||"TypeofTypeAnnotation"===r||"TypeAlias"===r||"TypeAnnotation"===r||"TypeCastExpression"===r||"TypeParameter"===r||"TypeParameterDeclaration"===r||"TypeParameterInstantiation"===r||"UnionTypeAnnotation"===r||"Variance"===r||"VoidTypeAnnotation"

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n"===r)return void 0===t||(0,i.default)(e,t);return!1},t.isFlowType=function(e,t){if(!e)return!1;const
r=e.type;if("FlowType"===r||"AnyTypeAnnotation"===r||"ArrayTypeAnnotation"===r||"BooleanTypeAnnotation"
===r||"BooleanLiteralTypeAnnotation"===r||"NullLiteralTypeAnnotation"===r||"ExistsTypeAnnotation"===r||"Fun
ctionTypeAnnotation"===r||"GenericTypeAnnotation"===r||"InterfaceTypeAnnotation"===r||"IntersectionTypeAnn
otation"===r||"MixedTypeAnnotation"===r||"EmptyTypeAnnotation"===r||"NullableTypeAnnotation"===r||"Numb
erLiteralTypeAnnotation"===r||"NumberTypeAnnotation"===r||"ObjectTypeAnnotation"===r||"StringLiteralTypeA
nnotation"===r||"StringTypeAnnotation"===r||"SymbolTypeAnnotation"===r||"ThisTypeAnnotation"===r||"TupleT
ypeAnnotation"===r||"TypeofTypeAnnotation"===r||"UnionTypeAnnotation"===r||"VoidTypeAnnotation"===r)ret
urn void 0===t||(0,i.default)(e,t);return!1},t.isFlowBaseAnnotation=function(e,t){if(!e)return!1;const
r=e.type;if("FlowBaseAnnotation"===r||"AnyTypeAnnotation"===r||"BooleanTypeAnnotation"===r||"NullLiteralT
ypeAnnotation"===r||"MixedTypeAnnotation"===r||"EmptyTypeAnnotation"===r||"NumberTypeAnnotation"===r||
"StringTypeAnnotation"===r||"SymbolTypeAnnotation"===r||"ThisTypeAnnotation"===r||"VoidTypeAnnotation"=
===r)return void 0===t||(0,i.default)(e,t);return!1},t.isFlowDeclaration=function(e,t){if(!e)return!1;const
r=e.type;if("FlowDeclaration"===r||"DeclareClass"===r||"DeclareFunction"===r||"DeclareInterface"===r||"Declare
Module"===r||"DeclareModuleExports"===r||"DeclareTypeAlias"===r||"DeclareOpaqueType"===r||"DeclareVariab
le"===r||"DeclareExportDeclaration"===r||"DeclareExportAllDeclaration"===r||"InterfaceDeclaration"===r||"Opaq
ueType"===r||"TypeAlias"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isFlowPredicate=function(e,t){if(!e)return!1;const
r=e.type;if("FlowPredicate"===r||"DeclaredPredicate"===r||"InferredPredicate"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumBody=function(e,t){if(!e)return!1;const
r=e.type;if("EnumBody"===r||"EnumBooleanBody"===r||"EnumNumberBody"===r||"EnumStringBody"===r||"Enu
mSymbolBody"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isEnumMember=function(e,t){if(!e)return!1;const
r=e.type;if("EnumMember"===r||"EnumBooleanMember"===r||"EnumNumberMember"===r||"EnumStringMembe
r"===r||"EnumDefaultedMember"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isJSX=function(e,t){if(!e)return!1;const
r=e.type;if("JSX"===r||"JSXAttribute"===r||"JSXClosingElement"===r||"JSXElement"===r||"JSXEmptyExpression
"===r||"JSXExpressionContainer"===r||"JSXSpreadChild"===r||"JSXIdentifier"===r||"JSXMemberExpression"===
r||"JSXNamespacedName"===r||"JSXOpeningElement"===r||"JSXSpreadAttribute"===r||"JSXText"===r||"JSXFrag
ment"===r||"JSXOpeningFragment"===r||"JSXClosingFragment"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isPrivate=function(e,t){if(!e)return!1;const
r=e.type;if("Private"===r||"ClassPrivateProperty"===r||"ClassPrivateMethod"===r||"PrivateName"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isTSTypeElement=function(e,t){if(!e)return!1;const
r=e.type;if("TSTypeElement"===r||"TSCallSignatureDeclaration"===r||"TSConstructSignatureDeclaration"===r||"T
SPropertySignature"===r||"TSMethodSignature"===r||"TSIndexSignature"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isTSType=function(e,t){if(!e)return!1;const
r=e.type;if("TSType"===r||"TSAnyKeyword"===r||"TSBooleanKeyword"===r||"TSBigIntKeyword"===r||"TSIntrin
sicKeyword"===r||"TSNeverKeyword"===r||"TSNullKeyword"===r||"TSNumberKeyword"===r||"TSObjectKeywo
rd"===r||"TSStringKeyword"===r||"TSSymbolKeyword"===r||"TSUndefinedKeyword"===r||"TSUnknownKeywor
d"===r||"TSVoidKeyword"===r||"TSThisType"===r||"TSFunctionType"===r||"TSConstructorType"===r||"TSType
Reference"===r||"TSTypePredicate"===r||"TSTypeQuery"===r||"TSTypeLiteral"===r||"TSArrayType"===r||"TSTu
pleType"===r||"TSOptionalType"===r||"TSRestType"===r||"TSUnionType"===r||"TSIntersectionType"===r||"TSC
onditionalType"===r||"TSInferType"===r||"TSParenthesizedType"===r||"TSTypeOperator"===r||"TSIndexedAcces
sType"===r||"TSMappedType"===r||"TSLiteralType"===r||"TSExpressionWithTypeArguments"===r||"TSImportT
ype"===r)return void 0===t||(0,i.default)(e,t);return!1},t.isTSBaseType=function(e,t){if(!e)return!1;const
r=e.type;if("TSBaseType"===r||"TSAnyKeyword"===r||"TSBooleanKeyword"===r||"TSBigIntKeyword"===r||"TS
IntrinsicKeyword"===r||"TSNeverKeyword"===r||"TSNullKeyword"===r||"TSNumberKeyword"===r||"TSObjectK
eyword"===r||"TSStringKeyword"===r||"TSSymbolKeyword"===r||"TSUndefinedKeyword"===r||"TSUnknownKe

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yword"===r||"TSVoidKeyword"===r||"TSThisType"===r||"TSLiteralType"===r)return void
0===t||(0,i.default)(e,t);return!1},t.isNumberLiteral=function(e,t){if(console.trace("The node type NumberLiteral
has been renamed to NumericLiteral"),!e)return!1;if("NumberLiteral"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isRegexLiteral=function(e,t){if(console.trace("The node type RegexLiteral has
been renamed to RegExpLiteral"),!e)return!1;if("RegexLiteral"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isRestProperty=function(e,t){if(console.trace("The node type RestProperty has
been renamed to RestElement"),!e)return!1;if("RestProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1},t.isSpreadProperty=function(e,t){if(console.trace("The node type SpreadProperty
has been renamed to SpreadElement"),!e)return!1;if("SpreadProperty"===e.type)return void
0===t||(0,i.default)(e,t);return!1};var n,i=(n=r(39))&&n.__esModule?n:{default:n},function(e,t,r){use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.arrayExpression=function(e){return(0,n.default)("ArrayE
xpression",...arguments)},t.assignmentExpression=function(e,t,r){return(0,n.default)("AssignmentExpression",...arg
uments)},t.binaryExpression=function(e,t,r){return(0,n.default)("BinaryExpression",...arguments)},t.interpreterDire
ctive=function(e){return(0,n.default)("InterpreterDirective",...arguments)},t.directive=function(e){return(0,n.default
)("Directive",...arguments)},t.directiveLiteral=function(e){return(0,n.default)("DirectiveLiteral",...arguments)},t.blo
ckStatement=function(e,t){return(0,n.default)("BlockStatement",...arguments)},t.breakStatement=function(e){return
(0,n.default)("BreakStatement",...arguments)},t.callExpression=function(e,t){return(0,n.default)("CallExpression",...
arguments)},t.catchClause=function(e,t){return(0,n.default)("CatchClause",...arguments)},t.conditionalExpression=f
unction(e,t,r){return(0,n.default)("ConditionalExpression",...arguments)},t.continueStatement=function(e){return(0,
n.default)("ContinueStatement",...arguments)},t.debuggerStatement=function(){return(0,n.default)("DebuggerState
ment",...arguments)},t.doWhileStatement=function(e,t){return(0,n.default)("DoWhileStatement",...arguments)},t.em
ptyStatement=function(){return(0,n.default)("EmptyStatement",...arguments)},t.expressionStatement=function(e){re
turn(0,n.default)("ExpressionStatement",...arguments)},t.file=function(e,t,r){return(0,n.default)("File",...arguments
)},t.forInStatement=function(e,t,r){return(0,n.default)("ForInStatement",...arguments)},t.forStatement=function(e,t,r,i
){return(0,n.default)("ForStatement",...arguments)},t.functionDeclaration=function(e,t,r,i,s){return(0,n.default)("Fu
nctionDeclaration",...arguments)},t.functionExpression=function(e,t,r,i,s){return(0,n.default)("FunctionExpression",
...arguments)},t.identifier=function(e){return(0,n.default)("Identifier",...arguments)},t.ifStatement=function(e,t,r){re
turn(0,n.default)("IfStatement",...arguments)},t.labeledStatement=function(e,t){return(0,n.default)("LabeledStateme
nt",...arguments)},t.stringLiteral=function(e){return(0,n.default)("StringLiteral",...arguments)},t.numericLiteral=fu
ction(e){return(0,n.default)("NumericLiteral",...arguments)},t.nullLiteral=function(){return(0,n.default)("NullLiteral
",...arguments)},t.booleanLiteral=function(e){return(0,n.default)("BooleanLiteral",...arguments)},t.regExpLiteral=fu
nction(e,t){return(0,n.default)("RegExpLiteral",...arguments)},t.logicalExpression=function(e,t,r){return(0,n.default
)("LogicalExpression",...arguments)},t.memberExpression=function(e,t,r,i){return(0,n.default)("MemberExpression",
...arguments)},t.newExpression=function(e,t){return(0,n.default)("NewExpression",...arguments)},t.program=func
tion(e,t,r,i){return(0,n.default)("Program",...arguments)},t.objectExpression=function(e){return(0,n.default)("Object
Expression",...arguments)},t.objectMethod=function(e,t,r,i,s,a,o){return(0,n.default)("ObjectMethod",...arguments)},
t.objectProperty=function(e,t,r,i,s){return(0,n.default)("ObjectProperty",...arguments)},t.restElement=function(e){r
eturn(0,n.default)("RestElement",...arguments)},t.returnStatement=function(e){return(0,n.default)("ReturnStatement",
...arguments)},t.sequenceExpression=function(e){return(0,n.default)("SequenceExpression",...arguments)},t.parent
hesizedExpression=function(e){return(0,n.default)("ParenthesizedExpression",...arguments)},t.switchCase=function
(e,t){return(0,n.default)("SwitchCase",...arguments)},t.switchStatement=function(e,t){return(0,n.default)("SwitchSt
atement",...arguments)},t.thisExpression=function(){return(0,n.default)("ThisExpression",...arguments)},t.throwStat
ement=function(e){return(0,n.default)("ThrowStatement",...arguments)},t.tryStatement=function(e,t,r){return(0,n.de
fault)("TryStatement",...arguments)},t.unaryExpression=function(e,t,r){return(0,n.default)("UnaryExpression",...arg
uments)},t.updateExpression=function(e,t,r){return(0,n.default)("UpdateExpression",...arguments)},t.variableDeclar
ation=function(e,t){return(0,n.default)("VariableDeclaration",...arguments)},t.variableDeclarator=function(e,t){retu
rn(0,n.default)("VariableDeclarator",...arguments)},t.whileStatement=function(e,t){return(0,n.default)("WhileStatem
ent",...arguments)},t.withStatement=function(e,t){return(0,n.default)("WithStatement",...arguments)},t.assignmentP

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attern=function(e,t){return(0,n.default)("AssignmentPattern",...arguments)},t.arrayPattern=function(e){return(0,n.default)("ArrayPattern",...arguments)},t.arrowFunctionExpression=function(e,t,r){return(0,n.default)("ArrowFunctionExpression",...arguments)},t.classBody=function(e){return(0,n.default)("ClassBody",...arguments)},t.classExpression=function(e,t,r,i){return(0,n.default)("ClassExpression",...arguments)},t.classDeclaration=function(e,t,r,i){return(0,n.default)("ClassDeclaration",...arguments)},t.exportAllDeclaration=function(e){return(0,n.default)("ExportAllDeclaration",...arguments)},t.exportDefaultDeclaration=function(e){return(0,n.default)("ExportDefaultDeclaration",...arguments)},t.exportNamedDeclaration=function(e,t,r){return(0,n.default)("ExportNamedDeclaration",...arguments)},t.exportSpecifier=function(e,t){return(0,n.default)("ExportSpecifier",...arguments)},t.forOfStatement=function(e,t,r,i){return(0,n.default)("ForOfStatement",...arguments)},t.importDeclaration=function(e,t){return(0,n.default)("ImportDeclaration",...arguments)},t.importDefaultSpecifier=function(e){return(0,n.default)("ImportDefaultSpecifier",...arguments)},t.importNamespaceSpecifier=function(e){return(0,n.default)("ImportNamespaceSpecifier",...arguments)},t.importSpecifier=function(e,t){return(0,n.default)("ImportSpecifier",...arguments)},t.metaProperty=function(e,t){return(0,n.default)("MetaProperty",...arguments)},t.classMethod=function(e,t,r,i,s,a,o,l){return(0,n.default)("ClassMethod",...arguments)},t.objectPattern=function(e){return(0,n.default)("ObjectPattern",...arguments)},t.spreadElement=function(e){return(0,n.default)("SpreadElement",...arguments)},t.super=function(){return(0,n.default)("Super",...arguments)},t.taggedTemplateExpression=function(e,t){return(0,n.default)("TaggedTemplateExpression",...arguments)},t.templateElement=function(e,t){return(0,n.default)("TemplateElement",...arguments)},t.templateLiteral=function(e,t){return(0,n.default)("TemplateLiteral",...arguments)},t.yieldExpression=function(e,t){return(0,n.default)("YieldExpression",...arguments)},t.awaitExpression=function(e){return(0,n.default)("AwaitExpression",...arguments)},t.import=function(){return(0,n.default)("Import",...arguments)},t.bigIntLiteral=function(e){return(0,n.default)("BigIntLiteral",...arguments)},t.exportNamespaceSpecifier=function(e){return(0,n.default)("ExportNamespaceSpecifier",...arguments)},t.optionalMemberExpression=function(e,t,r,i){return(0,n.default)("OptionalMemberExpression",...arguments)},t.optionalCallExpression=function(e,t,r){return(0,n.default)("OptionalCallExpression",...arguments)},t.anyTypeAnnotation=function(){return(0,n.default)("AnyTypeAnnotation",...arguments)},t.arrayTypeAnnotation=function(e){return(0,n.default)("ArrayTypeAnnotation",...arguments)},t.booleanTypeAnnotation=function(){return(0,n.default)("BooleanTypeAnnotation",...arguments)},t.booleanLiteralTypeAnnotation=function(e){return(0,n.default)("BooleanLiteralTypeAnnotation",...arguments)},t.nullLiteralTypeAnnotation=function(){return(0,n.default)("NullLiteralTypeAnnotation",...arguments)},t.classImplements=function(e,t){return(0,n.default)("ClassImplements",...arguments)},t.declareClass=function(e,t,r,i){return(0,n.default)("DeclareClass",...arguments)},t.declareFunction=function(e){return(0,n.default)("DeclareFunction",...arguments)},t.declareInterface=function(e,t,r,i){return(0,n.default)("DeclareInterface",...arguments)},t.declareModule=function(e,t,r){return(0,n.default)("DeclareModule",...arguments)},t.declareModuleExports=function(e){return(0,n.default)("DeclareModuleExports",...arguments)},t.declareTypeAlias=function(e,t,r){return(0,n.default)("DeclareTypeAlias",...arguments)},t.declareOpaqueType=function(e,t,r){return(0,n.default)("DeclareOpaqueType",...arguments)},t.declareVariable=function(e){return(0,n.default)("DeclareVariable",...arguments)},t.declareExportDeclaration=function(e,t,r){return(0,n.default)("DeclareExportDeclaration",...arguments)},t.declareExportAllDeclaration=function(e){return(0,n.default)("DeclareExportAllDeclaration",...arguments)},t.declaredPredicate=function(e){return(0,n.default)("DeclaredPredicate",...arguments)},t.existsTypeAnnotation=function(){return(0,n.default)("ExistsTypeAnnotation",...arguments)},t.functionTypeAnnotation=function(e,t,r,i){return(0,n.default)("FunctionTypeAnnotation",...arguments)},t.functionTypeParam=function(e,t){return(0,n.default)("FunctionTypeParam",...arguments)},t.genericTypeAnnotation=function(e,t){return(0,n.default)("GenericTypeAnnotation",...arguments)},t.inferredPredicate=function(){return(0,n.default)("InferredPredicate",...arguments)},t.interfaceExtends=function(e,t){return(0,n.default)("InterfaceExtends",...arguments)},t.interfaceDeclaration=function(e,t,r,i){return(0,n.default)("InterfaceDeclaration",...arguments)},t.interfaceTypeAnnotation=function(e,t){return(0,n.default)("InterfaceTypeAnnotation",...arguments)},t.intersectionTypeAnnotation=function(e){return(0,n.default)("IntersectionTypeAnnotation",...arguments)},t.mixedTypeAnnotation=function(){return(0,n.default)("MixedTypeAnnotation",...arguments)},t.emptyTypeAnnotation=function(){return(0,n.default)("EmptyTypeAnnotation",...arguments)},t.nullableTypeAnnotation=function(e){return(0,n.default)("NullableTypeAnnotation",...arguments)},t.numberLiteralTypeAnnotation=function(e){return(0,n.default)("NumberLiteralTypeAnnotation",...arguments)},t.numberTypeAnnotation=f
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unction(){return(0,n.default)("NumberTypeAnnotation",...arguments)},t.objectTypeAnnotation=function(e,t,r,i,s){return(0,n.default)("ObjectTypeAnnotation",...arguments)},t.objectTypeInternalSlot=function(e,t,r,i,s){return(0,n.default)("ObjectTypeInternalSlot",...arguments)},t.objectTypeCallProperty=function(e){return(0,n.default)("ObjectTypeCallProperty",...arguments)},t.objectTypeIndexer=function(e,t,r,i){return(0,n.default)("ObjectTypeIndexer",...arguments)},t.objectTypeProperty=function(e,t,r){return(0,n.default)("ObjectTypeProperty",...arguments)},t.objectTypeSpreadProperty=function(e){return(0,n.default)("ObjectTypeSpreadProperty",...arguments)},t.opaqueType=function(e,t,r,i){return(0,n.default)("OpaqueType",...arguments)},t.qualifiedTypeIdentifier=function(e,t){return(0,n.default)("QualifiedTypeIdentifier",...arguments)},t.stringLiteralTypeAnnotation=function(e){return(0,n.default)("StringLiteralTypeAnnotation",...arguments)},t.stringTypeAnnotation=function(){return(0,n.default)("StringTypeAnnotation",...arguments)},t.symbolTypeAnnotation=function(){return(0,n.default)("SymbolTypeAnnotation",...arguments)},t.thisTypeAnnotation=function(){return(0,n.default)("ThisTypeAnnotation",...arguments)},t.tupleTypeAnnotation=function(e){return(0,n.default)("TupleTypeAnnotation",...arguments)},t.typeofTypeAnnotation=function(e){return(0,n.default)("TypeofTypeAnnotation",...arguments)},t.typeAlias=function(e,t,r){return(0,n.default)("TypeAlias",...arguments)},t.typeAnnotation=function(e){return(0,n.default)("TypeAnnotation",...arguments)},t.typeCastExpression=function(e,t){return(0,n.default)("TypeCastExpression",...arguments)},t.typeParameter=function(e,t,r){return(0,n.default)("TypeParameter",...arguments)},t.typeParameterDeclaration=function(e){return(0,n.default)("TypeParameterDeclaration",...arguments)},t.typeParameterInstantiation=function(e){return(0,n.default)("TypeParameterInstantiation",...arguments)},t.unionTypeAnnotation=function(e){return(0,n.default)("UnionTypeAnnotation",...arguments)},t.variance=function(e){return(0,n.default)("Variance",...arguments)},t.voidTypeAnnotation=function(){return(0,n.default)("VoidTypeAnnotation",...arguments)},t.enumDeclaration=function(e,t){return(0,n.default)("EnumDeclaration",...arguments)},t.enumBooleanBody=function(e){return(0,n.default)("EnumBooleanBody",...arguments)},t.enumNumberBody=function(e){return(0,n.default)("EnumNumberBody",...arguments)},t.enumStringBody=function(e){return(0,n.default)("EnumStringBody",...arguments)},t.enumSymbolBody=function(e){return(0,n.default)("EnumSymbolBody",...arguments)},t.enumBooleanMember=function(e){return(0,n.default)("EnumBooleanMember",...arguments)},t.enumNumberMember=function(e,t){return(0,n.default)("EnumNumberMember",...arguments)},t.enumStringMember=function(e,t){return(0,n.default)("EnumStringMember",...arguments)},t.enumDefaultedMember=function(e){return(0,n.default)("EnumDefaultedMember",...arguments)},t.indexedAccessType=function(e,t){return(0,n.default)("IndexedAccessType",...arguments)},t.optionalIndexedAccessType=function(e,t){return(0,n.default)("OptionalIndexedAccessType",...arguments)},t.jSXAttribute=t.jsxAttribute=function(e,t){return(0,n.default)("JSXAttribute",...arguments)},t.jSXClosingElement=t.jsxClosingElement=function(e){return(0,n.default)("JSXClosingElement",...arguments)},t.jSXElement=t.jsxElement=function(e,t,r,i){return(0,n.default)("JSXElement",...arguments)},t.jSXEmptyExpression=t.jsxEmptyExpression=function(){return(0,n.default)("JSXEmptyExpression",...arguments)},t.jSXExpressionContainer=t.jsxExpressionContainer=function(e){return(0,n.default)("JSXExpressionContainer",...arguments)},t.jSXSpreadChild=t.jsxSpreadChild=function(e){return(0,n.default)("JSXSpreadChild",...arguments)},t.jSXIdentifier=t.jsxIdentifier=function(e){return(0,n.default)("JSXIdentifier",...arguments)},t.jSXMemberExpression=t.jsxMemberExpression=function(e,t){return(0,n.default)("JSXMemberExpression",...arguments)},t.jSXNamespacedName=t.jsxNamespacedName=function(e,t){return(0,n.default)("JSXNamespacedName",...arguments)},t.jSXOpeningElement=t.jsxOpeningElement=function(e,t,r){return(0,n.default)("JSXOpeningElement",...arguments)},t.jSXSpreadAttribute=t.jsxSpreadAttribute=function(e){return(0,n.default)("JSXSpreadAttribute",...arguments)},t.jSXText=t.jsxText=function(e){return(0,n.default)("JSXText",...arguments)},t.jSXFragment=t.jsxFragment=function(e,t,r){return(0,n.default)("JSXFragment",...arguments)},t.jSXOpeningFragment=t.jsxOpeningFragment=function(){return(0,n.default)("JSXOpeningFragment",...arguments)},t.jSXClosingFragment=t.jsxClosingFragment=function(){return(0,n.default)("JSXClosingFragment",...arguments)},t.noop=function(){return(0,n.default)("Noop",...arguments)},t.placeholder=function(e,t){return(0,n.default)("Placeholder",...arguments)},t.v8IntrinsicIdentifier=function(e){return(0,n.default)("V8IntrinsicIdentifier",...arguments)},t.argumentPlaceholder=function(){return(0,n.default)("ArgumentPlaceholder",...arguments)},t.bindExpression=function(e,t){return(0,n.default)("BindExpression",...arguments)},t.classProperty=function(e,t,r,i,s,a){return(0,n.default)("ClassProperty",...arguments)},t.pipelineTopicExpression=function(e){return(0,n.default)("PipelineTopicExpression",...arguments)},t.pipelineBareFunction=function(e){return(0,n.default)("Pipeli

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neBareFunction",...arguments)},t.pipelinePrimaryTopicReference=function(){return(0,n.default)("PipelinePrimaryTopicReference",...arguments)},t.classPrivateProperty=function(e,t,r,i){return(0,n.default)("ClassPrivateProperty",...arguments)},t.classPrivateMethod=function(e,t,r,i,s){return(0,n.default)("ClassPrivateMethod",...arguments)},t.importAttribute=function(e,t){return(0,n.default)("ImportAttribute",...arguments)},t.decorator=function(e){return(0,n.default)("Decorator",...arguments)},t.doExpression=function(e,t){return(0,n.default)("DoExpression",...arguments)},t.exportDefaultSpecifier=function(e){return(0,n.default)("ExportDefaultSpecifier",...arguments)},t.privateName=function(e){return(0,n.default)("PrivateName",...arguments)},t.recordExpression=function(e){return(0,n.default)("RecordExpression",...arguments)},t.tupleExpression=function(e){return(0,n.default)("TupleExpression",...arguments)},t.decimalLiteral=function(e){return(0,n.default)("DecimalLiteral",...arguments)},t.staticBlock=function(e){return(0,n.default)("StaticBlock",...arguments)},t.moduleExpression=function(e){return(0,n.default)("ModuleExpression",...arguments)},t.tsParameterProperty=t.tsParameterProperty=function(e){return(0,n.default)("TSParameterProperty",...arguments)},t.tsDeclareFunction=t.tsDeclareFunction=function(e,t,r,i){return(0,n.default)("TSDeclareFunction",...arguments)},t.tsDeclareMethod=t.tsDeclareMethod=function(e,t,r,i,s){return(0,n.default)("TSDeclareMethod",...arguments)},t.tsQualifiedName=t.tsQualifiedName=function(e,t){return(0,n.default)("TSQualifiedName",...arguments)},t.tsCallSignatureDeclaration=t.tsCallSignatureDeclaration=function(e,t,r){return(0,n.default)("TSCallSignatureDeclaration",...arguments)},t.tsConstructSignatureDeclaration=t.tsConstructSignatureDeclaration=function(e,t,r){return(0,n.default)("TSConstructSignatureDeclaration",...arguments)},t.tsPropertySignature=t.tsPropertySignature=function(e,t,r){return(0,n.default)("TSPropertySignature",...arguments)},t.tsMethodSignature=t.tsMethodSignature=function(e,t,r,i){return(0,n.default)("TSMethodSignature",...arguments)},t.tsIndexSignature=t.tsIndexSignature=function(e,t){return(0,n.default)("TSIndexSignature",...arguments)},t.tsAnyKeyword=t.tsAnyKeyword=function(){return(0,n.default)("TSAnyKeyword",...arguments)},t.tsBooleanKeyword=t.tsBooleanKeyword=function(){return(0,n.default)("TSBooleanKeyword",...arguments)},t.tsBigIntKeyword=t.tsBigIntKeyword=function(){return(0,n.default)("TSBigIntKeyword",...arguments)},t.tsIntrinsicKeyword=t.tsIntrinsicKeyword=function(){return(0,n.default)("TSIntrinsicKeyword",...arguments)},t.tsNeverKeyword=t.tsNeverKeyword=function(){return(0,n.default)("TSNeverKeyword",...arguments)},t.tsNullKeyword=t.tsNullKeyword=function(){return(0,n.default)("TSNullKeyword",...arguments)},t.tsNumberKeyword=t.tsNumberKeyword=function(){return(0,n.default)("TSNumberKeyword",...arguments)},t.tsObjectKeyword=t.tsObjectKeyword=function(){return(0,n.default)("TSObjectKeyword",...arguments)},t.tsStringKeyword=t.tsStringKeyword=function(){return(0,n.default)("TSStringKeyword",...arguments)},t.tsSymbolKeyword=t.tsSymbolKeyword=function(){return(0,n.default)("TSSymbolKeyword",...arguments)},t.tsUndefinedKeyword=t.tsUndefinedKeyword=function(){return(0,n.default)("TSUndefinedKeyword",...arguments)},t.tsUnknownKeyword=t.tsUnknownKeyword=function(){return(0,n.default)("TSUnknownKeyword",...arguments)},t.tsVoidKeyword=t.tsVoidKeyword=function(){return(0,n.default)("TSVoidKeyword",...arguments)},t.tsThisType=t.tsThisType=function(){return(0,n.default)("TSThisType",...arguments)},t.tsFunctionType=t.tsFunctionType=function(e,t,r){return(0,n.default)("TSFunctionType",...arguments)},t.tsConstructorType=t.tsConstructorType=function(e,t,r){return(0,n.default)("TSConstructorType",...arguments)},t.tsTypeReference=t.tsTypeReference=function(e,t){return(0,n.default)("TSTypeReference",...arguments)},t.tsTypePredicate=t.tsTypePredicate=function(e,t,r){return(0,n.default)("TSTypePredicate",...arguments)},t.tsTypeQuery=t.tsTypeQuery=function(e){return(0,n.default)("TSTypeQuery",...arguments)},t.tsTypeLiteral=t.tsTypeLiteral=function(e){return(0,n.default)("TSTypeLiteral",...arguments)},t.tsArrayType=t.tsArrayType=function(e){return(0,n.default)("TSArrayType",...arguments)},t.tsTupleType=t.tsTupleType=function(e){return(0,n.default)("TSTupleType",...arguments)},t.tsOptionalType=t.tsOptionalType=function(e){return(0,n.default)("TSOptionalType",...arguments)},t.tsRestType=t.tsRestType=function(e){return(0,n.default)("TSRestType",...arguments)},t.tsNamedTupleMember=t.tsNamedTupleMember=function(e,t,r){return(0,n.default)("TSNamedTupleMember",...arguments)},t.tsUnionType=t.tsUnionType=function(e){return(0,n.default)("TSUnionType",...arguments)},t.tsIntersectionType=t.tsIntersectionType=function(e){return(0,n.default)("TSIntersectionType",...arguments)},t.tsConditionalType=t.tsConditionalType=function(e,t,r,i){return(0,n.default)("TSConditionalType",...arguments)},t.tsInferType=t.tsInferType=function(e){return(0,n.default)("TSInferType",...arguments)},t.tsParenthesizedType=t.tsParenthesizedType=function(e){return(0,n.default)("TSParenthesizedType",...arguments)},t.tsTypeOperator=t.tsTypeOperator=function(e){return(0,n.default)("TSTypeOperator",...arguments)},t.tsIndexedAccessType=t.tsIndexed

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AccessType=function(e,t){return(0,n.default)("TSIndexedAccessType",...arguments)},t.tSMappedType=t.tsMappedType=function(e,t,r){return(0,n.default)("TSMappedType",...arguments)},t.tSLiteralType=t.tsLiteralType=function(e){return(0,n.default)("TSLiteralType",...arguments)},t.tSExpressionWithTypeArguments=t.tsExpressionWithTypeArguments=function(e,t){return(0,n.default)("TSExpressionWithTypeArguments",...arguments)},t.tSInterfaceDeclaration=t.tsInterfaceDeclaration=function(e,t,r,i){return(0,n.default)("TSInterfaceDeclaration",...arguments)},t.tSInterfaceBody=t.tsInterfaceBody=function(e){return(0,n.default)("TSInterfaceBody",...arguments)},t.tSTypeAliasDeclaration=t.tsTypeAliasDeclaration=function(e,t,r){return(0,n.default)("TSTypeAliasDeclaration",...arguments)},t.tSAsExpression=t.tsAsExpression=function(e,t){return(0,n.default)("TSAsExpression",...arguments)},t.tSTypeAssertion=t.tsTypeAssertion=function(e,t){return(0,n.default)("TSTypeAssertion",...arguments)},t.tSEnumDeclaration=t.tsEnumDeclaration=function(e,t){return(0,n.default)("TSEnumDeclaration",...arguments)},t.tSEnumMember=t.tsEnumMember=function(e,t){return(0,n.default)("TSEnumMember",...arguments)},t.tSModuleDeclaration=t.tsModuleDeclaration=function(e,t){return(0,n.default)("TSModuleDeclaration",...arguments)},t.tSModuleBlock=t.tsModuleBlock=function(e){return(0,n.default)("TSModuleBlock",...arguments)},t.tSImportType=t.tsImportType=function(e,t,r){return(0,n.default)("TSImportType",...arguments)},t.tSImportEqualsDeclaration=t.tsImportEqualsDeclaration=function(e,t,r){return(0,n.default)("TSImportEqualsDeclaration",...arguments)},t.tSExternalModuleReference=t.tsExternalModuleReference=function(e){return(0,n.default)("TSExternalModuleReference",...arguments)},t.tSNonNullExpression=t.tsNonNullExpression=function(e){return(0,n.default)("TSNonNullExpression",...arguments)},t.tSExportAssignment=t.tsExportAssignment=function(e){return(0,n.default)("TSExportAssignment",...arguments)},t.tSNamespaceExportDeclaration=t.tsNamespaceExportDeclaration=function(e){return(0,n.default)("TSNamespaceExportDeclaration",...arguments)},t.tSTypeAnnotation=t.tsTypeAnnotation=function(e){return(0,n.default)("TSTypeAnnotation",...arguments)},t.tSTypeParameterInstantiation=t.tsTypeParameterInstantiation=function(e){return(0,n.default)("TSTypeParameterInstantiation",...arguments)},t.tSTypeParameterDeclaration=t.tsTypeParameterDeclaration=function(e,t,r){return(0,n.default)("TSTypeParameterDeclaration",...arguments)},t.tSTypeParameter=t.tsTypeParameter=function(e,t,r){return(0,n.default)("TSTypeParameter",...arguments)},t.numberLiteral=function(...e){return console.trace("The node type NumberLiteral has been renamed to NumericLiteral"),(0,n.default)("NumberLiteral",...e)},t.regexLiteral=function(...e){return console.trace("The node type RegexpLiteral has been renamed to RegExpLiteral"),(0,n.default)("RegexpLiteral",...e)},t.restProperty=function(...e){return console.trace("The node type RestProperty has been renamed to RestElement"),(0,n.default)("RestProperty",...e)},t.spreadProperty=function(...e){return console.trace("The node type SpreadProperty has been renamed to SpreadElement"),(0,n.default)("SpreadProperty",...e)};var n=r(268),function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.ArrayExpression=t.arrayExpression=function(...e){return(0,i.default)("ArrayExpression",...e)},t.AssignmentExpression=t.assignmentExpression=function(...e){return(0,i.default)("AssignmentExpression",...e)},t.BinaryExpression=t.binaryExpression=function(...e){return(0,i.default)("BinaryExpression",...e)},t.InterpreterDirective=t.interpreterDirective=function(...e){return(0,i.default)("InterpreterDirective",...e)},t.Directive=t.directive=function(...e){return(0,i.default)("Directive",...e)},t.DirectiveLiteral=t.directiveLiteral=function(...e){return(0,i.default)("DirectiveLiteral",...e)},t.BlockStatement=t.blockStatement=function(...e){return(0,i.default)("BlockStatement",...e)},t.BreakStatement=t.breakStatement=function(...e){return(0,i.default)("BreakStatement",...e)},t.CallExpression=t.callExpression=function(...e){return(0,i.default)("CallExpression",...e)},t.CatchClause=t.catchClause=function(...e){return(0,i.default)("CatchClause",...e)},t.ConditionalExpression=t.conditionalExpression=function(...e){return(0,i.default)("ConditionalExpression",...e)},t.ContinueStatement=t.continueStatement=function(...e){return(0,i.default)("ContinueStatement",...e)},t.DebuggerStatement=t.debuggerStatement=function(...e){return(0,i.default)("DebuggerStatement",...e)},t.DoWhileStatement=t.doWhileStatement=function(...e){return(0,i.default)("DoWhileStatement",...e)},t.EmptyStatement=t.emptyStatement=function(...e){return(0,i.default)("EmptyStatement",...e)},t.ExpressionStatement=t.expressionStatement=function(...e){return(0,i.default)("ExpressionStatement",...e)},t.File=t.file=function(...e){return(0,i.default)("File",...e)},t.ForInStatement=t.forInStatement=function(...e){return(0,i.default)("ForInStatement",...e)},t.ForStatement=t.forStatement=function(...e){return(0,i.default)("ForStat

```


ement",...e)},t.FunctionDeclaration=t.functionDeclaration=function(...e){return(0,i.default)("FunctionDeclaration",...e)},t.FunctionExpression=t.functionExpression=function(...e){return(0,i.default)("FunctionExpression",...e)},t.Identifier=t.identifier=function(...e){return(0,i.default)("Identifier",...e)},t.IfStatement=t.ifStatement=function(...e){return(0,i.default)("IfStatement",...e)},t.LabeledStatement=t.labeledStatement=function(...e){return(0,i.default)("LabeledStatement",...e)},t.StringLiteral=t.stringLiteral=function(...e){return(0,i.default)("StringLiteral",...e)},t.NumericLiteral=t.numericLiteral=function(...e){return(0,i.default)("NumericLiteral",...e)},t.NullLiteral=t.nullLiteral=function(...e){return(0,i.default)("NullLiteral",...e)},t.BooleanLiteral=t.booleanLiteral=function(...e){return(0,i.default)("BooleanLiteral",...e)},t.RegExpLiteral=t.regExpLiteral=function(...e){return(0,i.default)("RegExpLiteral",...e)},t.LogicalExpression=t.logicalExpression=function(...e){return(0,i.default)("LogicalExpression",...e)},t.MemberExpression=t.memberExpression=function(...e){return(0,i.default)("MemberExpression",...e)},t.NewExpression=t.newExpression=function(...e){return(0,i.default)("NewExpression",...e)},t.Program=t.program=function(...e){return(0,i.default)("Program",...e)},t.ObjectExpression=t.objectExpression=function(...e){return(0,i.default)("ObjectExpression",...e)},t.ObjectMethod=t.objectMethod=function(...e){return(0,i.default)("ObjectMethod",...e)},t.ObjectProperty=t.objectProperty=function(...e){return(0,i.default)("ObjectProperty",...e)},t.RestElement=t.restElement=function(...e){return(0,i.default)("RestElement",...e)},t.ReturnStatement=t.returnStatement=function(...e){return(0,i.default)("ReturnStatement",...e)},t.SequenceExpression=t.sequenceExpression=function(...e){return(0,i.default)("SequenceExpression",...e)},t.ParenthesizedExpression=t.parenthesizedExpression=function(...e){return(0,i.default)("ParenthesizedExpression",...e)},t.SwitchCase=t.switchCase=function(...e){return(0,i.default)("SwitchCase",...e)},t.SwitchStatement=t.switchStatement=function(...e){return(0,i.default)("SwitchStatement",...e)},t.ThisExpression=t.thisExpression=function(...e){return(0,i.default)("ThisExpression",...e)},t.ThrowStatement=t.throwStatement=function(...e){return(0,i.default)("ThrowStatement",...e)},t.TryStatement=t.tryStatement=function(...e){return(0,i.default)("TryStatement",...e)},t.UnaryExpression=t.unaryExpression=function(...e){return(0,i.default)("UnaryExpression",...e)},t.UpdateExpression=t.updateExpression=function(...e){return(0,i.default)("UpdateExpression",...e)},t.VariableDeclaration=t.variableDeclaration=function(...e){return(0,i.default)("VariableDeclaration",...e)},t.VariableDeclarator=t.variableDeclarator=function(...e){return(0,i.default)("VariableDeclarator",...e)},t.WhileStatement=t.whileStatement=function(...e){return(0,i.default)("WhileStatement",...e)},t.WithStatement=t.withStatement=function(...e){return(0,i.default)("WithStatement",...e)},t.AssignmentPattern=t.assignmentPattern=function(...e){return(0,i.default)("AssignmentPattern",...e)},t.ArrayPattern=t.arrayPattern=function(...e){return(0,i.default)("ArrayPattern",...e)},t.ArrowFunctionExpression=t.arrowFunctionExpression=function(...e){return(0,i.default)("ArrowFunctionExpression",...e)},t.ClassBody=t.classBody=function(...e){return(0,i.default)("ClassBody",...e)},t.ClassExpression=t.classExpression=function(...e){return(0,i.default)("ClassExpression",...e)},t.ClassDeclaration=t.classDeclaration=function(...e){return(0,i.default)("ClassDeclaration",...e)},t.ExportAllDeclaration=t.exportAllDeclaration=function(...e){return(0,i.default)("ExportAllDeclaration",...e)},t.ExportDefaultDeclaration=t.exportDefaultDeclaration=function(...e){return(0,i.default)("ExportDefaultDeclaration",...e)},t.ExportNamedDeclaration=t.exportNamedDeclaration=function(...e){return(0,i.default)("ExportNamedDeclaration",...e)},t.ExportSpecifier=t.exportSpecifier=function(...e){return(0,i.default)("ExportSpecifier",...e)},t.ForOfStatement=t.forOfStatement=function(...e){return(0,i.default)("ForOfStatement",...e)},t.ImportDeclaration=t.importDeclaration=function(...e){return(0,i.default)("ImportDeclaration",...e)},t.ImportDefaultSpecifier=t.importDefaultSpecifier=function(...e){return(0,i.default)("ImportDefaultSpecifier",...e)},t.ImportNamespaceSpecifier=t.importNamespaceSpecifier=function(...e){return(0,i.default)("ImportNamespaceSpecifier",...e)},t.ImportSpecifier=t.importSpecifier=function(...e){return(0,i.default)("ImportSpecifier",...e)},t.MetaProperty=t.metaProperty=function(...e){return(0,i.default)("MetaProperty",...e)},t.ClassMethod=t.classMethod=function(...e){return(0,i.default)("ClassMethod",...e)},t.ObjectPattern=t.objectPattern=function(...e){return(0,i.default)("ObjectPattern",...e)},t.SpreadElement=t.spreadElement=function(...e){return(0,i.default)("SpreadElement",...e)},t.super=t.Super=function(...e){return(0,i.default)("Super",...e)},t.TaggedTemplateExpression=t.taggedTemplateExpression=function(...e){return(0,i.default)("TaggedTemplateExpression",...e)},t.TemplateElement=t.templateElement=function(...e){return(0,i.default)("TemplateElement",...e)},t.TemplateLiteral=t.templateLiteral=function(...e){return(0,i.default)("TemplateLiteral",...e)},t.YieldExpression=t.yieldExpression=function(...e){return(0,i.default)("YieldExpression",...e)},t.AwaitExpression=t.awaitExpression=function(...e){return(0,i.default)("AwaitExpression",...e)},t.import=t.Import=function(...e){return(0,i.default)("I

mport"...,t.BigIntLiteral=t.bigIntLiteral=function(...){return(0,i.default)("BigIntLiteral",...)},t.ExportNamespa
ceSpecifier=t.exportNamespaceSpecifier=function(...){return(0,i.default)("ExportNamespaceSpecifier",...)},t.Opti
onalMemberExpression=t.optionalMemberExpression=function(...){return(0,i.default)("OptionalMemberExpressio
n",...)},t.OptionalCallExpression=t.optionalCallExpression=function(...){return(0,i.default)("OptionalCallExpressi
on",...)},t.AnyTypeAnnotation=t.anyTypeAnnotation=function(...){return(0,i.default)("AnyTypeAnnotation",...e
)},t.ArrayTypeAnnotation=t.arrayTypeAnnotation=function(...){return(0,i.default)("ArrayTypeAnnotation",...e)
)},t.BooleanTypeAnnotation=t.booleanTypeAnnotation=function(...){return(0,i.default)("BooleanTypeAnnotation",...e
)},t.BooleanLiteralTypeAnnotation=t.booleanLiteralTypeAnnotation=function(...){return(0,i.default)("BooleanLite
ralTypeAnnotation",...e)},t.NullLiteralTypeAnnotation=t.nullLiteralTypeAnnotation=function(...){return(0,i.defaul
t)("NullLiteralTypeAnnotation",...e)},t.ClassImplements=t.classImplements=function(...){return(0,i.default)("Class
Implements",...e)},t.DeclareClass=t.declareClass=function(...){return(0,i.default)("DeclareClass",...e)},t.DeclareFu
nction=t.declareFunction=function(...){return(0,i.default)("DeclareFunction",...e)},t.DeclareInterface=t.declareInter
face=function(...){return(0,i.default)("DeclareInterface",...e)},t.DeclareModule=t.declareModule=function(...){ret
urn(0,i.default)("DeclareModule",...e)},t.DeclareModuleExports=t.declareModuleExports=function(...){return(0,i.d
efault)("DeclareModuleExports",...e)},t.DeclareTypeAlias=t.declareTypeAlias=function(...){return(0,i.default)("De
clareTypeAlias",...e)},t.DeclareOpaqueType=t.declareOpaqueType=function(...){return(0,i.default)("DeclareOpaq
ueType",...e)},t.DeclareVariable=t.declareVariable=function(...){return(0,i.default)("DeclareVariable",...e)},t.Decl
areExportDeclaration=t.declareExportDeclaration=function(...){return(0,i.default)("DeclareExportDeclaration",...e
)},t.DeclareExportAllDeclaration=t.declareExportAllDeclaration=function(...){return(0,i.default)("DeclareExportAl
lDeclaration",...e)},t.DeclaredPredicate=t.declaredPredicate=function(...){return(0,i.default)("DeclaredPredicate",...
e)},t.ExistsTypeAnnotation=t.existsTypeAnnotation=function(...){return(0,i.default)("ExistsTypeAnnotation",...e)
)},t.FunctionTypeAnnotation=t.functionTypeAnnotation=function(...){return(0,i.default)("FunctionTypeAnnotation",
...e)},t.FunctionTypeParam=t.functionTypeParam=function(...){return(0,i.default)("FunctionTypeParam",...e)},t.G
enericTypeAnnotation=t.genericTypeAnnotation=function(...){return(0,i.default)("GenericTypeAnnotation",...e)},t
.InferredPredicate=t.inferredPredicate=function(...){return(0,i.default)("InferredPredicate",...e)},t.InterfaceExtends
=t.interfaceExtends=function(...){return(0,i.default)("InterfaceExtends",...e)},t.InterfaceDeclaration=t.interfaceDec
laration=function(...){return(0,i.default)("InterfaceDeclaration",...e)},t.InterfaceTypeAnnotation=t.interfaceTypeAn
notation=function(...){return(0,i.default)("InterfaceTypeAnnotation",...e)},t.IntersectionTypeAnnotation=t.intersect
ionTypeAnnotation=function(...){return(0,i.default)("IntersectionTypeAnnotation",...e)},t.MixedTypeAnnotation=t
.mixedTypeAnnotation=function(...){return(0,i.default)("MixedTypeAnnotation",...e)},t.EmptyTypeAnnotation=t.e
mptyTypeAnnotation=function(...){return(0,i.default)("EmptyTypeAnnotation",...e)},t.NullableTypeAnnotation=t.
nullableTypeAnnotation=function(...){return(0,i.default)("NullableTypeAnnotation",...e)},t.NumberLiteralTypeAn
notation=t.numberLiteralTypeAnnotation=function(...){return(0,i.default)("NumberLiteralTypeAnnotation",...e)},t.
NumberTypeAnnotation=t.numberTypeAnnotation=function(...){return(0,i.default)("NumberTypeAnnotation",...e
)},t.ObjectTypeAnnotation=t.objectTypeAnnotation=function(...){return(0,i.default)("ObjectTypeAnnotation",...e)
)},t.ObjectTypeInternalSlot=t.objectTypeInternalSlot=function(...){return(0,i.default)("ObjectTypeInternalSlot",...e)
)},t.ObjectTypeCallProperty=t.objectTypeCallProperty=function(...){return(0,i.default)("ObjectTypeCallProperty",...
e)},t.ObjectTypeIndexer=t.objectTypeIndexer=function(...){return(0,i.default)("ObjectTypeIndexer",...e)},t.Object
TypeProperty=t.objectTypeProperty=function(...){return(0,i.default)("ObjectTypeProperty",...e)},t.ObjectTypeSpre
adProperty=t.objectTypeSpreadProperty=function(...){return(0,i.default)("ObjectTypeSpreadProperty",...e)},t.Opa
queType=t.opaqueType=function(...){return(0,i.default)("OpaqueType",...e)},t.QualifiedTypeIdentifier=t.qualified
TypeIdentifier=function(...){return(0,i.default)("QualifiedTypeIdentifier",...e)},t.StringLiteralTypeAnnotation=t.str
ingLiteralTypeAnnotation=function(...){return(0,i.default)("StringLiteralTypeAnnotation",...e)},t.StringTypeAnnot
ation=t.stringTypeAnnotation=function(...){return(0,i.default)("StringTypeAnnotation",...e)},t.SymbolTypeAnnota
tion=t.symbolTypeAnnotation=function(...){return(0,i.default)("SymbolTypeAnnotation",...e)},t.ThisTypeAnnotati
on=t.thisTypeAnnotation=function(...){return(0,i.default)("ThisTypeAnnotation",...e)},t.TupleTypeAnnotation=t.tu
pleTypeAnnotation=function(...){return(0,i.default)("TupleTypeAnnotation",...e)},t.TypeOfTypeAnnotation=t.type
ofTypeAnnotation=function(...){return(0,i.default)("TypeofTypeAnnotation",...e)},t.TypeAlias=t.typeAlias=functi

on(...e){return(0,i.default)("TypeAlias",...e)},t.TypeAnnotation=t.typeAnnotation=function(...e){return(0,i.default)("TypeAnnotation",...e)},t.TypeCastExpression=t.typeCastExpression=function(...e){return(0,i.default)("TypeCastExpression",...e)},t.TypeParameter=t.typeParameter=function(...e){return(0,i.default)("TypeParameter",...e)},t.TypeParameterDeclaration=t.typeParameterDeclaration=function(...e){return(0,i.default)("TypeParameterDeclaration",...e)},t.TypeParameterInstantiation=t.typeParameterInstantiation=function(...e){return(0,i.default)("TypeParameterInstantiation",...e)},t.UnionTypeAnnotation=t.unionTypeAnnotation=function(...e){return(0,i.default)("UnionTypeAnnotation",...e)},t.Variance=t.variance=function(...e){return(0,i.default)("Variance",...e)},t.VoidTypeAnnotation=t.voidTypeAnnotation=function(...e){return(0,i.default)("VoidTypeAnnotation",...e)},t.EnumDeclaration=t.enumDeclaration=function(...e){return(0,i.default)("EnumDeclaration",...e)},t.EnumBooleanBody=t.enumBooleanBody=function(...e){return(0,i.default)("EnumBooleanBody",...e)},t.EnumNumberBody=t.enumNumberBody=function(...e){return(0,i.default)("EnumNumberBody",...e)},t.EnumStringBody=t.enumStringBody=function(...e){return(0,i.default)("EnumStringBody",...e)},t.EnumSymbolBody=t.enumSymbolBody=function(...e){return(0,i.default)("EnumSymbolBody",...e)},t.EnumBooleanMember=t.enumBooleanMember=function(...e){return(0,i.default)("EnumBooleanMember",...e)},t.EnumNumberMember=t.enumNumberMember=function(...e){return(0,i.default)("EnumNumberMember",...e)},t.EnumStringMember=t.enumStringMember=function(...e){return(0,i.default)("EnumStringMember",...e)},t.EnumDefaultedMember=t.enumDefaultedMember=function(...e){return(0,i.default)("EnumDefaultedMember",...e)},t.JSXAttribute=t.jsxAttribute=function(...e){return(0,i.default)("JSXAttribute",...e)},t.JSXClosingElement=t.jsxClosingElement=function(...e){return(0,i.default)("JSXClosingElement",...e)},t.JSXElement=t.jsxElement=function(...e){return(0,i.default)("JSXElement",...e)},t.JSXEmptyExpression=t.jsxEmptyExpression=function(...e){return(0,i.default)("JSXEmptyExpression",...e)},t.JSXExpressionContainer=t.jsxExpressionContainer=function(...e){return(0,i.default)("JSXExpressionContainer",...e)},t.JSXSpreadChild=t.jsxSpreadChild=function(...e){return(0,i.default)("JSXSpreadChild",...e)},t.JSXIdentifier=t.jsxIdentifier=function(...e){return(0,i.default)("JSXIdentifier",...e)},t.JSXMemberExpression=t.jsxMemberExpression=function(...e){return(0,i.default)("JSXMemberExpression",...e)},t.JSXNamespacedName=t.jsxNamespacedName=function(...e){return(0,i.default)("JSXNamespacedName",...e)},t.JSXOpeningElement=t.jsxOpeningElement=function(...e){return(0,i.default)("JSXOpeningElement",...e)},t.JSXSpreadAttribute=t.jsxSpreadAttribute=function(...e){return(0,i.default)("JSXSpreadAttribute",...e)},t.JSXText=t.jsxText=function(...e){return(0,i.default)("JSXText",...e)},t.JSXFragment=t.jsxFragment=function(...e){return(0,i.default)("JSXFragment",...e)},t.JSXOpeningFragment=t.jsxOpeningFragment=function(...e){return(0,i.default)("JSXOpeningFragment",...e)},t.JSXClosingFragment=t.jsxClosingFragment=function(...e){return(0,i.default)("JSXClosingFragment",...e)},t.Noop=t.noop=function(...e){return(0,i.default)("Noop",...e)},t.Placeholder=t.placeholder=function(...e){return(0,i.default)("Placeholder",...e)},t.V8IntrinsicIdentifier=t.v8IntrinsicIdentifier=function(...e){return(0,i.default)("V8IntrinsicIdentifier",...e)},t.ArgumentPlaceholder=t.argumentPlaceholder=function(...e){return(0,i.default)("ArgumentPlaceholder",...e)},t.BindExpression=t.bindExpression=function(...e){return(0,i.default)("BindExpression",...e)},t.ClassProperty=t.classProperty=function(...e){return(0,i.default)("ClassProperty",...e)},t.PipelineTopicExpression=t.pipelineTopicExpression=function(...e){return(0,i.default)("PipelineTopicExpression",...e)},t.PipelineBareFunction=t.pipelineBareFunction=function(...e){return(0,i.default)("PipelineBareFunction",...e)},t.PipelinePrimaryTopicReference=t.pipelinePrimaryTopicReference=function(...e){return(0,i.default)("PipelinePrimaryTopicReference",...e)},t.ClassPrivateProperty=t.classPrivateProperty=function(...e){return(0,i.default)("ClassPrivateProperty",...e)},t.ClassPrivateMethod=t.classPrivateMethod=function(...e){return(0,i.default)("ClassPrivateMethod",...e)},t.ImportAttribute=t.importAttribute=function(...e){return(0,i.default)("ImportAttribute",...e)},t.Decorator=t.decorator=function(...e){return(0,i.default)("Decorator",...e)},t.DoExpression=t.doExpression=function(...e){return(0,i.default)("DoExpression",...e)},t.ExportDefaultSpecifier=t.exportDefaultSpecifier=function(...e){return(0,i.default)("ExportDefaultSpecifier",...e)},t.PrivateName=t.privateName=function(...e){return(0,i.default)("PrivateName",...e)},t.RecordExpression=t.recordExpression=function(...e){return(0,i.default)("RecordExpression",...e)},t.TupleExpression=t.tupleExpression=function(...e){return(0,i.default)("TupleExpression",...e)},t.DecimalLiteral=t.decimalLiteral=function(...e){return(0,i.default)("DecimalLiteral",...e)},t.StaticBlock=t.stati

cBlock=function(...e){return(0,i.default)("StaticBlock",...e)},t.tSParameterProperty=t.TSParameterProperty=t.tsParameterProperty=function(...e){return(0,i.default)("TSParameterProperty",...e)},t.tSDeclareFunction=t.TSDeclareFunction=t.tsDeclareFunction=function(...e){return(0,i.default)("TSDeclareFunction",...e)},t.tSDeclareMethod=t.TSDeclareMethod=t.tsDeclareMethod=function(...e){return(0,i.default)("TSDeclareMethod",...e)},t.tSQualifiedName=t.TSQualifiedName=t.tsQualifiedName=function(...e){return(0,i.default)("TSQualifiedName",...e)},t.tSCallSignatureDeclaration=t.TSCallSignatureDeclaration=t.tsCallSignatureDeclaration=function(...e){return(0,i.default)("TSCallSignatureDeclaration",...e)},t.tSConstructSignatureDeclaration=t.TSConstructSignatureDeclaration=t.tsConstructSignatureDeclaration=function(...e){return(0,i.default)("TSConstructSignatureDeclaration",...e)},t.tSPropertySignature=t.TSPropertySignature=t.tsPropertySignature=function(...e){return(0,i.default)("TSPropertySignature",...e)},t.tSMethodSignature=t.TSMethodSignature=t.tsMethodSignature=function(...e){return(0,i.default)("TSMethodSignature",...e)},t.tSIndexSignature=t.TSIndexSignature=t.tsIndexSignature=function(...e){return(0,i.default)("TSIndexSignature",...e)},t.tSAnyKeyword=t.TSAnyKeyword=t.tsAnyKeyword=function(...e){return(0,i.default)("TSAnyKeyword",...e)},t.tSBooleanKeyword=t.TSBooleanKeyword=t.tsBooleanKeyword=function(...e){return(0,i.default)("TSBooleanKeyword",...e)},t.tSBigIntKeyword=t.TSBigIntKeyword=t.tsBigIntKeyword=function(...e){return(0,i.default)("TSBigIntKeyword",...e)},t.tSIntrinsicKeyword=t.TSIntrinsicKeyword=t.tsIntrinsicKeyword=function(...e){return(0,i.default)("TSIntrinsicKeyword",...e)},t.tSNeverKeyword=t.TSNeverKeyword=t.tsNeverKeyword=function(...e){return(0,i.default)("TSNeverKeyword",...e)},t.tSNullKeyword=t.TSNullKeyword=t.tsNullKeyword=function(...e){return(0,i.default)("TSNullKeyword",...e)},t.tSNumberKeyword=t.TSNumberKeyword=t.tsNumberKeyword=function(...e){return(0,i.default)("TSNumberKeyword",...e)},t.tSObjectKeyword=t.TSObjectKeyword=t.tsObjectKeyword=function(...e){return(0,i.default)("TSObjectKeyword",...e)},t.tSStringKeyword=t.TSStringKeyword=t.tsStringKeyword=function(...e){return(0,i.default)("TSStringKeyword",...e)},t.tSSymbolKeyword=t.TSSymbolKeyword=t.tsSymbolKeyword=function(...e){return(0,i.default)("TSSymbolKeyword",...e)},t.tSUndefinedKeyword=t.TSUndefinedKeyword=t.tsUndefinedKeyword=function(...e){return(0,i.default)("TSUndefinedKeyword",...e)},t.tSUnknownKeyword=t.TSUnknownKeyword=t.tsUnknownKeyword=function(...e){return(0,i.default)("TSUnknownKeyword",...e)},t.tSVoidKeyword=t.TSVoidKeyword=t.tsVoidKeyword=function(...e){return(0,i.default)("TSVoidKeyword",...e)},t.tSThisType=t.TSThisType=t.tsThisType=function(...e){return(0,i.default)("TSThisType",...e)},t.tSFunctionType=t.TSFunctionType=t.tsFunctionType=function(...e){return(0,i.default)("TSFunctionType",...e)},t.tSConstructorType=t.TSConstructorType=t.tsConstructorType=function(...e){return(0,i.default)("TSConstructorType",...e)},t.tSTypeReference=t.TSTypeReference=t.tsTypeReference=function(...e){return(0,i.default)("TSTypeReference",...e)},t.tSTypePredicate=t.TSTypePredicate=t.tsTypePredicate=function(...e){return(0,i.default)("TSTypePredicate",...e)},t.tSTypeQuery=t.TSTypeQuery=t.tsTypeQuery=function(...e){return(0,i.default)("TSTypeQuery",...e)},t.tSTypeLiteral=t.TSTypeLiteral=t.tsTypeLiteral=function(...e){return(0,i.default)("TSTypeLiteral",...e)},t.tSArrayType=t.TSArrayType=t.tsArrayType=function(...e){return(0,i.default)("TSArrayType",...e)},t.tSTupleType=t.TSTupleType=t.tsTupleType=function(...e){return(0,i.default)("TSTupleType",...e)},t.tSOptionalType=t.TSOptionalType=t.tsOptionalType=function(...e){return(0,i.default)("TSOptionalType",...e)},t.tSRestType=t.TSRestType=t.tsRestType=function(...e){return(0,i.default)("TSRestType",...e)},t.tSNamedTupleMember=t.TSNamedTupleMember=t.tsNamedTupleMember=function(...e){return(0,i.default)("TSNamedTupleMember",...e)},t.tSUnionType=t.TSUnionType=t.tsUnionType=function(...e){return(0,i.default)("TSUnionType",...e)},t.tSIntersectionType=t.TSIntersectionType=t.tsIntersectionType=function(...e){return(0,i.default)("TSIntersectionType",...e)},t.tSConditionalType=t.TSConditionalType=t.tsConditionalType=function(...e){return(0,i.default)("TSConditionalType",...e)},t.tSInferType=t.TSInferType=t.tsInferType=function(...e){return(0,i.default)("TSInferType",...e)},t.tSParenthesizedType=t.TSParenthesizedType=t.tsParenthesizedType=function(...e){return(0,i.default)("TSParenthesizedType",...e)},t.tSTypeOperator=t.TSTypeOperator=t.tsTypeOperator=function(...e){return(0,i.default)("TSTypeOperator",...e)},t.tSIndexedAccessType=t.TSIndexedAccessType=t.tsIndexedAccessType=function(...e){return(0,i.default)("TSIndexedAccessType",...e)},t.tSMappedType=t.TSMappedType=t.tsMappedType=function(...e){return(0,i.default)("TSMappedType",...e)},t.tSLiteralType=t.TSLiteralType=t.tsLiteralType=function(...e){return(0,i.default)("TSLiteralType",...e)},t.tSExpressionWithTypeArguments=t.TSExpressionWithTypeArguments=t.tsExpressionWithTypeArguments=function(...e){return(0,i.default)("TSExpressionWithTypeArguments",...e)},t.tSInterfaceDeclaration=t.TSInterfaceDeclaration=t.tsInterfaceDeclaration=function(...e){return(0,i.default)("TSInterfaceDeclaration",...e)}

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ion(...e){return(0,i.default)("TSInterfaceDeclaration",...e)},t.tSInterfaceBody=t.TSInterfaceBody=t.tsInterfaceBody
=function(...e){return(0,i.default)("TSInterfaceBody",...e)},t.tSTypeAliasDeclaration=t.TSTypeAliasDeclaration=t.ts
TypeAliasDeclaration=function(...e){return(0,i.default)("TSTypeAliasDeclaration",...e)},t.tSAsExpression=t.TSAs
Expression=t.tsAsExpression=function(...e){return(0,i.default)("TSAsExpression",...e)},t.tSTypeAssertion=t.TSTyp
eAssertion=t.tsTypeAssertion=function(...e){return(0,i.default)("TSTypeAssertion",...e)},t.tSEnumDeclaration=t.TS
EnumDeclaration=t.tsEnumDeclaration=function(...e){return(0,i.default)("TSEnumDeclaration",...e)},t.tSEnumMe
mber=t.TSEnumMember=t.tsEnumMember=function(...e){return(0,i.default)("TSEnumMember",...e)},t.tSModuleD
eclaration=t.TSModuleDeclaration=t.tsModuleDeclaration=function(...e){return(0,i.default)("TSMModuleDeclaration
",...e)},t.tSModuleBlock=t.TSModuleBlock=t.tsModuleBlock=function(...e){return(0,i.default)("TSMModuleBlock",...
.e)},t.tSImportType=t.TSImportType=t.tsImportType=function(...e){return(0,i.default)("TSImportType",...e)},t.tSI
mportEqualsDeclaration=t.TSImportEqualsDeclaration=t.tsImportEqualsDeclaration=function(...e){return(0,i.default
)("TSImportEqualsDeclaration",...e)},t.tSExternalModuleReference=t.TSExternalModuleReference=t.tsExternalM
oduleReference=function(...e){return(0,i.default)("TSExternalModuleReference",...e)},t.tSNonNullExpression=t.TS
NonNullExpression=t.tsNonNullExpression=function(...e){return(0,i.default)("TSNonNullExpression",...e)},t.tSExp
ortAssignment=t.TSExportAssignment=t.tsExportAssignment=function(...e){return(0,i.default)("TSExportAssignm
ent",...e)},t.tSNamespaceExportDeclaration=t.TSNamespaceExportDeclaration=t.tsNamespaceExportDeclaration=f
unction(...e){return(0,i.default)("TSNamespaceExportDeclaration",...e)},t.tSTypeAnnotation=t.TSTypeAnnotation=
t.tsTypeAnnotation=function(...e){return(0,i.default)("TSTypeAnnotation",...e)},t.tSTypeParameterInstantiation=t.T
STypeParameterInstantiation=t.tsTypeParameterInstantiation=function(...e){return(0,i.default)("TSTypeParameterIn
stantiation",...e)},t.tSTypeParameterDeclaration=t.TSTypeParameterDeclaration=t.tsTypeParameterDeclaration=fun
ction(...e){return(0,i.default)("TSTypeParameterDeclaration",...e)},t.tSTypeParameter=t.TSTypeParameter=t.tsType
Parameter=function(...e){return(0,i.default)("TSTypeParameter",...e)},t.numberLiteral=t.NumberLiteral=function(...
e){return console.trace("The node type NumberLiteral has been renamed to
NumericLiteral"),(0,i.default)("NumberLiteral",...e)},t.regexLiteral=t.RegexLiteral=function(...e){return
console.trace("The node type RegexLiteral has been renamed to
RegExpLiteral"),(0,i.default)("RegexLiteral",...e)},t.restProperty=t.RestProperty=function(...e){return
console.trace("The node type RestProperty has been renamed to
RestElement"),(0,i.default)("RestProperty",...e)},t.spreadProperty=t.SpreadProperty=function(...e){return
console.trace("The node type SpreadProperty has been renamed to
SpreadElement"),(0,i.default)("SpreadProperty",...e)};var
n,i=(n=r(137))&&n.__esModule?n:{default:n}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),Object.defineProperty(t,"VISITOR_KEYS",{enumerable:
!0,get:function(){return
s.VISITOR_KEYS}}),Object.defineProperty(t,"ALIAS_KEYS",{enumerable:!0,get:function(){return
s.ALIAS_KEYS}}),Object.defineProperty(t,"FLIPPED_ALIAS_KEYS",{enumerable:!0,get:function(){return
s.FLIPPED_ALIAS_KEYS}}),Object.defineProperty(t,"NODE_FIELDS",{enumerable:!0,get:function(){return
s.NODE_FIELDS}}),Object.defineProperty(t,"BUILDER_KEYS",{enumerable:!0,get:function(){return
s.BUILDER_KEYS}}),Object.defineProperty(t,"DEPRECATED_KEYS",{enumerable:!0,get:function(){return
s.DEPRECATED_KEYS}}),Object.defineProperty(t,"NODE_PARENT_VALIDATIONS",{enumerable:!0,get:fun
ction(){return
s.NODE_PARENT_VALIDATIONS}}),Object.defineProperty(t,"PLACEHOLDERS",{enumerable:!0,get:functio
n(){return
a.PLACEHOLDERS}}),Object.defineProperty(t,"PLACEHOLDERS_ALIAS",{enumerable:!0,get:function(){retur
n
a.PLACEHOLDERS_ALIAS}}),Object.defineProperty(t,"PLACEHOLDERS_FLIPPED_ALIAS",{enumerable:!0,
get:function(){return a.PLACEHOLDERS_FLIPPED_ALIAS}}),t.TYPES=void 0;var
n,i=(n=r(81))&&n.__esModule?n:{default:n};r(50),r(211),r(212),r(213),r(214),r(215);var
s=r(9),a=r(83);(0,i.default)(s.VISITOR_KEYS),(0,i.default)(s.ALIAS_KEYS),(0,i.default)(s.FLIPPED_ALIAS_KE

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YS),(0,i.default)(s.NODE_FIELDS),(0,i.default)(s.BUILDER_KEYS),(0,i.default)(s.DEPRECATED_KEYS),(0,i.d
efault)(a.PLACEHOLDERS_ALIAS),(0,i.default)(a.PLACEHOLDERS_FLIPPED_ALIAS);const
o=Object.keys(s.VISITOR_KEYS).concat(Object.keys(s.FLIPPED_ALIAS_KEYS)).concat(Object.keys(s.DEPRE
CATED_KEYS));t.TYPES=o},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),Object.defineProperty(t,"VISITOR_KEYS",{enumerable:
!0,get:function(){return
i.VISITOR_KEYS}}),Object.defineProperty(t,"ALIAS_KEYS",{enumerable:!0,get:function(){return
i.ALIAS_KEYS}}),Object.defineProperty(t,"FLIPPED_ALIAS_KEYS",{enumerable:!0,get:function(){return
i.FLIPPED_ALIAS_KEYS}}),Object.defineProperty(t,"NODE_FIELDS",{enumerable:!0,get:function(){return
i.NODE_FIELDS}}),Object.defineProperty(t,"BUILDER_KEYS",{enumerable:!0,get:function(){return
i.BUILDER_KEYS}}),Object.defineProperty(t,"DEPRECATED_KEYS",{enumerable:!0,get:function(){return
i.DEPRECATED_KEYS}}),Object.defineProperty(t,"NODE_PARENT_VALIDATIONS",{enumerable:!0,get:func
tion(){return
i.NODE_PARENT_VALIDATIONS}}),Object.defineProperty(t,"PLACEHOLDERS",{enumerable:!0,get:function(
)}{return
s.PLACEHOLDERS}}),Object.defineProperty(t,"PLACEHOLDERS_ALIAS",{enumerable:!0,get:function(){retur
n
s.PLACEHOLDERS_ALIAS}}),Object.defineProperty(t,"PLACEHOLDERS_FLIPPED_ALIAS",{enumerable:!0,
get:function(){return s.PLACEHOLDERS_FLIPPED_ALIAS}}),t.TYPES=void 0;var
n=r(81);r(55),r(269),r(270),r(271),r(272),r(273);var
i=r(10),s=r(105);n(i.VISITOR_KEYS),n(i.ALIAS_KEYS),n(i.FLIPPED_ALIAS_KEYS),n(i.NODE_FIELDS),n(i.
BUILDER_KEYS),n(i.DEPRECATED_KEYS),n(s.PLACEHOLDERS_ALIAS),n(s.PLACEHOLDERS_FLIPPED
_ALIAS);const
a=Object.keys(i.VISITOR_KEYS).concat(Object.keys(i.FLIPPED_ALIAS_KEYS)).concat(Object.keys(i.DEPREC
ATED_KEYS));t.TYPES=a},function(e,t,r){var n=r(68),i="object"===typeof
self&&self&&self.Object===Object&&self,s=n||i||Function("return this")();e.exports=s},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=t.SHOULD_SKIP=t.SHOULD_STOP=t.REMO
VED=void 0;var
n=P(r(63)),i=x(r(255)),s=x(r(17)),a=x(r(100)),o=P(r(0)),l=r(38),c=x(r(314)),p=P(r(338)),u=P(r(339)),d=P(r(342)),h
=P(r(353)),f=P(r(354)),m=P(r(363)),y=P(r(364)),T=P(r(365)),b=P(r(367)),g=P(r(369)),S=P(r(370));function
x(e){return e&&e.__esModule?:{default:e}}function E(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return E=function(){return e},e}function P(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return {default:e};var t=E();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}const
v=(0,i.default)("babel");t.REMOVED=1;t.SHOULD_STOP=2;t.SHOULD_SKIP=4;class
A{constructor(e,t){this.contexts=[],this.state=null,this.opts=null,this._traverseFlags=0,this.skipKeys=null,this.parent
Path=null,this.container=null,this.listKey=null,this.key=null,this.node=null,this.type=null,this.parent=t,this.hub=e,th
is.data=null,this.context=null,this.scope=null}static
get({hub:e,parentPath:t,parent:r,container:n,listKey:i,key:s}){if(!e&&t&&(e=t.hub),!r)throw new Error("To get a
node path the parent needs to exist");const a=n[s],o=l.path.get(r)||[];let c;l.path.has(r)||l.path.set(r,o);for(let
e=0;e<o.length;e++){const t=o[e];if(t.node===a){c=t;break}}return c||(c=new
A(e,r,o.push(c)),c.setup(t,n,i,s),c)getScope(e){return this.isScope()?new a.default(this):e}setData(e,t){return
null===this.data&&(this.data=Object.create(null)),this.data[e]=t}getData(e,t){null===this.data&&(this.data=Object.cr
eate(null));let r=this.data[e];return void 0===r&&void
0!==(t&&(r=this.data[e]=t),r)}buildCodeFrameError(e,t=SyntaxError){return

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this.hub.buildError(this.node,e,t)}traverse(e,t){(0,s.default)(this.node,e,this.scope,t,this)}set(e,t){o.validate(this.node
,e,t),this.node[e]=t}getPathLocation(){const e=[];let t=this;do{let
r=t.key;t.inList&&(r=`${t.listKey}[${r}]`),e.unshift(r)}while(t=t.parentPath);return
e.join(".")}debug(e){v.enabled&&v`${this.getPathLocation()} ${this.type}:
${e}`)}toString(){return(0,c.default)(this.node).code}get inList(){return!!this.listKey}set
inList(e){e||(this.listKey=null)}get parentKey(){return this.listKey||this.key}get
shouldSkip(){return!!(4&this._traverseFlags)}set shouldSkip(e){e?this._traverseFlags|=4:this._traverseFlags&=-
5}get shouldStop(){return!!(2&this._traverseFlags)}set
shouldStop(e){e?this._traverseFlags|=2:this._traverseFlags&=-3}get removed(){return!!(1&this._traverseFlags)}set
removed(e){e?this._traverseFlags|=1:this._traverseFlags&=-
2}}t.default=A,Object.assign(A.prototype,p,u,d,h,f,m,y,T,b,g,S);for(const e of o.TYPES){const
t="is"+e,r=o[t];A.prototype[t]=function(e){return
r(this.node,e)},A.prototype["assert"+e]=function(t){if(!r(this.node,t))throw new TypeError("Expected node path of
type "+e)}}for(const e of
Object.keys(n)){if("_"===e[0])continue;o.TYPES.indexOf(e)<0&&o.TYPES.push(e);const
t=n[e];A.prototype["is"+e]=function(e){return t.checkPath(this,e)}}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.validate=f,t.typeIs=m,t.validateType=function(e){return
f(m(e))},t.validateOptional=function(e){return {validate:e,optional:!0}},t.validateOptionalType=function(e){return {
validate:m(e),optional:!0}},t.arrayOf=y,t.arrayOfType=T,t.validateArrayOfType=function(e){return
f(T(e))},t.assertEach=b,t.assertOneOf=function(...e){function t(t,r,n){if(e.indexOf(n)<0)throw new
TypeError(`Property ${r} expected value to be one of ${JSON.stringify(e)} but got ${JSON.stringify(n)`)}}return
t.oneOf=e,t},t.assertNodeType=g,t.assertNodeOrValueType=function(...e){function t(t,r,n){for(const a of
e)if(h(n)===a||(0,i.default)(a,n))return void(0,s.validateChild)(t,r,n);throw new TypeError(`Property ${r} of
${t.type} expected node to be of a type ${JSON.stringify(e)} but instead got ${JSON.stringify(null===n?void
0:n.type)`)}}return t.oneOfNodeOrValueTypes=e,t},t.assertValueType=S,t.assertShape=function(e){function
t(t,r,n){const i=[];for(const r of Object.keys(e))try{(0,s.validateField)(t,r,n[r],e[r])}catch(e){if(e instanceof
TypeError){i.push(e.message);continue}throw e}if(i.length)throw new TypeError(`Property ${r} of ${t.type}
expected to have the following:\n${i.join("\n")`)}}return
t.shapeOf=e,t},t.assertOptionalChainStart=function(){return function(e){var t;let
r=e;for(;e;){const {type:e}=r;if("OptionalCallExpression"!==e){if("OptionalMemberExpression"!==e)break;if(r.opti
onal)return;r=r.object}else{if(r.optional)return;r=r.callee}}throw new TypeError(`Non-optional ${e.type} must
chain from an optional OptionalMemberExpression or OptionalCallExpression. Found chain from
${null==(t=r)?void 0:t.type}`)}}},t.chain=x,t.default=function(e,t={}){const r=t.inherits&&v[t.inherits]||{};let
n=t.fields;if(!n&&(n={},r.fields)){const e=Object.getOwnPropertyNames(r.fields);for(const t of e){const
e=r.fields[t];n[t]={default:e.default,optional:e.optional,validate:e.validate}}}const
i=t.visitor||r.visitor||[],s=t.aliases||r.aliases||[],f=t.builder||r.builder||t.visitor||[];for(const r of Object.keys(t))if(-
1===E.indexOf(r))throw new Error(`Unknown type option "${r}" on
${e}`);t.deprecatedAlias&&(u[t.deprecatedAlias]=e);for(const e of i.concat(f))n[e]=n[e]||{};for(const t of
Object.keys(n)){const r=n[t];void 0!==(r.default&&-1===f.indexOf(t)&&(r.optional=!0),void
0===r.default?r.default=null:r.validate||null==r.default||(r.validate=S(h(r.default)));for(const n of Object.keys(r))if(-
1===P.indexOf(n))throw new Error(`Unknown field key "${n}" on
${e}`)}.$(t`)}a[e]=t.visitor=i,p[e]=t.builder=f,c[e]=t.fields=n,o[e]=t.aliases=s,s.forEach(t=>{l[t]=l[t]||[],l[t].push(e)}),
t.validate&&(d[e]=t.validate);v[e]=t},t.NODE_PARENT_VALIDATIONS=t.DEPRECATED_KEYS=t.BUILDER
_KEYS=t.NODE_FIELDS=t.FLIPPED_ALIAS_KEYS=t.ALIAS_KEYS=t.VISITOR_KEYS=void 0;var
n,i=(n=r(34))&&n.__esModule?n:{default:n},s=r(52);const a={};t.VISITOR_KEYS=a;const
o={};t.ALIAS_KEYS=o;const l={};t.FLIPPED_ALIAS_KEYS=l;const c={};t.NODE_FIELDS=c;const
p={};t.BUILDER_KEYS=p;const u={};t.DEPRECATED_KEYS=u;const d={};function h(e){return
Array.isArray(e)?"array":null===e?"null":typeof e}function f(e){return {validate:e}}function

```

```

m(e){return"string"===typeof e?g(e):g(...e)}function y(e){return x(S("array"),b(e))}function T(e){return
y(m(e))}function b(e){function t(t,r,n){if(Array.isArray(n))for(let i=0;i<n.length;i++){const
a=`${r}[${i}]`,o=n[i];e(t,a,o),process.env.BABEL_TYPES_8_BREAKING&&(0,s.validateChild)(t,a,o)}return
t.each=e,t}function g(...e){function t(t,r,n){for(const a of e)if(!i.default)(a,n)return
void(0,s.validateChild)(t,r,n);throw new TypeError(`Property ${r} of ${t.type} expected node to be of a type
${JSON.stringify(e)} but instead got ${JSON.stringify(null===n?void 0:n.type)`)}}return
t.oneOfNodeTypes=e,t}function S(e){function t(t,r,n){if(!h(n)===e)throw new TypeError(`Property ${r} expected
type of ${e} but got ${h(n)`)}}return t.type=e,t}function x(...e){function t(...t){for(const r of e)r(...t)}return
t.chainOf=e,t}.NODE_PARENT_VALIDATIONS=d;const
E=["aliases","builder","deprecatedAlias","fields","inherits","visitor","validate"],P=["default","optional","validate"];
const v={},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.validate=h,t.typeIs=f,t.validateType=function(e){return
h(f(e))},t.validateOptional=function(e){return{validate:e,optional:!0}},t.validateOptionalType=function(e){return{v
alidate:f(e),optional:!0}},t.arrayOf=m,t.arrayOfType=y,t.validateArrayOfType=function(e){return
h(y(e))},t.assertEach=T,t.assertOneOf=function(...e){function t(t,r,n){if(e.indexOf(n)<0)throw new
TypeError(`Property ${r} expected value to be one of ${JSON.stringify(e)} but got ${JSON.stringify(n)`)}}return
t.oneOf=e,t},t.assertNodeType=b,t.assertNodeOrValueType=function(...e){function t(t,r,s){for(const a of
e)if(d(s)===a||i.default)(a,s))return void(0,i.validateChild)(t,r,s);throw new TypeError(`Property ${r} of
${t.type} expected node to be of a type ${JSON.stringify(e)} but instead got ${JSON.stringify(null===s?void
0:s.type)`)}}return t.oneOfNodeOrValueTypes=e,t},t.assertValueType=g,t.assertShape=function(e){function
t(t,r,n){const s=[];for(const r of Object.keys(e))try{(0,i.validateField)(t,r,n[r],e[r])}catch(e){if(e instanceof
TypeError){s.push(e.message);continue}throw e}if(s.length)throw new TypeError(`Property ${r} of ${t.type}
expected to have the following:\n${s.join("\n")`)}}return
t.shapeOf=e,t},t.assertOptionalChainStart=function(){return function(e){var t;let
r=e;for(;e;){const{type:e}=r;if("OptionalCallExpression"!==e){if("OptionalMemberExpression"!==e)break;if(r.opti
onal)return;r=r.object}else{if(r.optional)return;r=r.callee}}throw new TypeError(`Non-optional ${e.type} must
chain from an optional OptionalMemberExpression or OptionalCallExpression. Found chain from
${null==(t=r)?void 0:t.type}`)}}},t.chain=S,t.default=function(e,t={}){const r=t.inherits&&P[t.inherits]||{};let
n=t.fields;if(!n&&(n={},r.fields)){const e=Object.getOwnPropertyNames(r.fields);for(const t of e){const
e=r.fields[t],i=e.default;if(Array.isArray(i)?i.length>0:i&&"object"===typeof i)throw new Error("field defaults can
only be primitives or empty arrays
currently");n[t]={default:Array.isArray(i)?[]:i,optional:e.optional,validate:e.validate}}}}const
i=t.visitor||r.visitor||[],h=t.aliases||r.aliases||[],f=t.builder||r.builder||t.visitor||[];for(const r of Object.keys(t))if(-
1===x.indexOf(r))throw new Error(`Unknown type option "${r}" on
${e}`);t.deprecatedAlias&&(p[t.deprecatedAlias]=e);for(const e of i.concat(f))n[e]=n[e]||{};for(const t of
Object.keys(n)){const r=n[t];void 0!==(r.default&&-1===f.indexOf(t)&&(r.optional=!0),void
0===r.default?r.default=null:r.validate||null===r.default||(r.validate=g(d(r.default)));for(const n of Object.keys(r))if(-
1===E.indexOf(n))throw new Error(`Unknown field key "${n}" on
${e}.${t}`)}s[e]=t.visitor=i,c[e]=t.builder=f,l[e]=t.fields=n,a[e]=t.aliases=h,h.forEach(t=>{o[t]=o[t]||[],o[t].push(e)}
),t.validate&&(u[e]=t.validate);P[e]=t},t.NODE_PARENT_VALIDATIONS=t.DEPRECATED_KEYS=t.BUILDE
R_KEYS=t.NODE_FIELDS=t.FLIPPED_ALIAS_KEYS=t.ALIAS_KEYS=t.VISITOR_KEYS=void 0;var
n=r(36),i=r(57);const s={};t.VISITOR_KEYS=s;const a={};t.ALIAS_KEYS=a;const
o={};t.FLIPPED_ALIAS_KEYS=o;const l={};t.NODE_FIELDS=l;const c={};t.BUILDER_KEYS=c;const
p={};t.DEPRECATED_KEYS=p;const u={};function d(e){return Array.isArray(e)?"array":null===e?"null":typeof
e}function h(e){return{validate:e}}function f(e){return"string"===typeof e?b(e):b(...e)}function m(e){return
S(g("array"),T(e))}function y(e){return m(f(e))}function T(e){function t(t,r,n){if(Array.isArray(n))for(let
s=0;s<n.length;s++){const
a=`${r}[${s}]`,o=n[s];e(t,a,o),process.env.BABEL_TYPES_8_BREAKING&&(0,i.validateChild)(t,a,o)}return

```



```

t.each=e,t}function b(...e){function t(t,r,s){for(const a of e)if((0,n.default)(a,s))return
void(0,i.validateChild)(t,r,s);throw new TypeError(`Property ${r} of ${t.type} expected node to be of a type
${JSON.stringify(e)} but instead got ${JSON.stringify(null===s?void 0:s.type)}`)}return
t.oneOfNodeTypes=e,t}function g(e){function t(t,r,n){if(!(d(n)===e))throw new TypeError(`Property ${r} expected
type of ${e} but got ${d(n)}`)}return t.type=e,t}function S(...e){function t(...t){for(const r of
e)r(...t)}if(t.chainOf=e,e.length>=2&&"type" in e[0]&&"array"===e[0].type&&!("each" in e[1]))throw new
Error(`An assertValueType("array") validator can only be followed by an assertEach(...) validator.`);return
t}t.NODE_PARENT_VALIDATIONS=u;const
x=["aliases","builder","deprecatedAlias","fields","inherits","visitor","validate"],E=["default","optional","validate"];
const P={},function(e,t,r){var n=r(151),i=r(156);e.exports=function(e,t){var r=i(e,t);return n(r)?r:void
0}},function(e,t){e.exports=function(e){return null!=e&&"object"===typeof e}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.NOT_LOCAL_BINDING=t.BLOCK_SCOPED_SYMB
OL=t.INHERIT_KEYS=t.UNARY_OPERATORS=t.STRING_UNARY_OPERATORS=t.NUMBER_UNARY_O
PERATORS=t.BOOLEAN_UNARY_OPERATORS=t.ASSIGNMENT_OPERATORS=t.BINARY_OPERATORS
=t.NUMBER_BINARY_OPERATORS=t.BOOLEAN_BINARY_OPERATORS=t.COMPARISON_BINARY_OP
ERATORS=t.EQUALITY_BINARY_OPERATORS=t.BOOLEAN_NUMBER_BINARY_OPERATORS=t.UPDA
TE_OPERATORS=t.LOGICAL_OPERATORS=t.COMMENT_KEYS=t.FOR_INIT_KEYS=t.FLATTENABLE_K
EYS=t.STATEMENT_OR_BLOCK_KEYS=void
0;t.STATEMENT_OR_BLOCK_KEYS=["consequent","body","alternate"];t.FLATTENABLE_KEYS=["body","ex
pressions"];t.FOR_INIT_KEYS=["left","init"];t.COMMENT_KEYS=["leadingComments","trailingComments","in
nerComments"];const n=["||","&&","??"];t.LOGICAL_OPERATORS=n;t.UPDATE_OPERATORS=["++","--
"];const i=[">","<",">=","<="];t.BOOLEAN_NUMBER_BINARY_OPERATORS=i;const
s["==","===","!=","!=="];t.EQUALITY_BINARY_OPERATORS=s;const
a["...s","in","instanceof"];t.COMPARISON_BINARY_OPERATORS=a;const
o["...a,...i"];t.BOOLEAN_BINARY_OPERATORS=o;const l["-
","/","%","*","**","&","|",">>",">>>","<<","^"];t.NUMBER_BINARY_OPERATORS=l;const
c["+","...l,...o"];t.BINARY_OPERATORS=c;const
p["=","+=",...l.map(e=>e+"="),...n.map(e=>e+"=")];t.ASSIGNMENT_OPERATORS=p;const
u["delete","!"];t.BOOLEAN_UNARY_OPERATORS=u;const d["+","-
","~"];t.NUMBER_UNARY_OPERATORS=d;const h=["typeof"];t.STRING_UNARY_OPERATORS=h;const
f=["void","throw",...u,...d,...h];t.UNARY_OPERATORS=f;t.INHERIT_KEYS={optional:["typeAnnotation","typeP
arameters","returnType"],force:["start","loc","end"]};const m=Symbol.for("var used to be block
scoped");t.BLOCK_SCOPED_SYMBOL=m;const y=Symbol.for("should not be considered a local
binding");t.NOT_LOCAL_BINDING=y},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=o;var n=r(5);const
i=Function.call.bind(Object.prototype.hasOwnProperty);function s(e,t,r){return e&&"string"===typeof
e.type?o(e,t,r):e}function a(e,t,r){return Array.isArray(e)?e.map(e=>s(e,t,r)):s(e,t,r)}function
o(e,t=!0,r=!1){if(!e)return
e;const{type:s}=e,o={type:s};if("Identifier"===s)o.name=e.name,i(e,"optional")&&"boolean"===typeof
e.optional&&(o.optional=e.optional),i(e,"typeAnnotation")&&(o.typeAnnotation=t?a(e.typeAnnotation,!0,r):e.type
Annotation);else if(!i(n.NODE_FIELDS,s))throw new Error(`Unknown node type: "${s}"`);for(const c of
Object.keys(n.NODE_FIELDS[s]))i(e,c)&&(o[c]=t?"File"===s&&"comments"===c?l(e.comments,t,r):a(e[c],!0,r):e
[c])}return
i(e,"loc")&&(o.loc=r?null:e.loc),i(e,"leadingComments")&&(o.leadingComments=l(e.leadingComments,t,r)),i(e,"in
nerComments")&&(o.innerComments=l(e.innerComments,t,r)),i(e,"trailingComments")&&(o.trailingComments=l(
e.trailingComments,t,r)),i(e,"extra")&&(o.extra=Object.assign({},e.extra),o)}function l(e,t,r){return
t&&r?function(e){return e.map(({type:e,value:t})=>({type:e,value:t,loc:null}))}(e):e},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.NOT_LOCAL_BINDING=t.BLOCK_SCOPED_SYMB

```

```

OL=t.INHERIT_KEYS=t.UNARY_OPERATORS=t.STRING_UNARY_OPERATORS=t.NUMBER_UNARY_O
PERATORS=t.BOOLEAN_UNARY_OPERATORS=t.ASSIGNMENT_OPERATORS=t.BINARY_OPERATORS
=t.NUMBER_BINARY_OPERATORS=t.BOOLEAN_BINARY_OPERATORS=t.COMPARISON_BINARY_OP
ERATORS=t.EQUALITY_BINARY_OPERATORS=t.BOOLEAN_NUMBER_BINARY_OPERATORS=t.UPDA
TE_OPERATORS=t.LOGICAL_OPERATORS=t.COMMENT_KEYS=t.FOR_INIT_KEYS=t.FLATTENABLE_K
EYS=t.STATEMENT_OR_BLOCK_KEYS=void
0;t.STATEMENT_OR_BLOCK_KEYS=["consequent","body","alternate"];t.FLATTENABLE_KEYS=["body","ex
pressions"];t.FOR_INIT_KEYS=["left","init"];t.COMMENT_KEYS=["leadingComments","trailingComments","in
nerComments"];const n=["||","&&","??"];t.LOGICAL_OPERATORS=n;t.UPDATE_OPERATORS=["++","--
"];const i=[">","<",">=","<="];t.BOOLEAN_NUMBER_BINARY_OPERATORS=i;const
s["==","===","!=","!=="];t.EQUALITY_BINARY_OPERATORS=s;const
a["...s","in","instanceof"];t.COMPARISON_BINARY_OPERATORS=a;const
o["...a,...i"];t.BOOLEAN_BINARY_OPERATORS=o;const l["-
","/","%","*","**","&","|",">>",">>>","<<","^"];t.NUMBER_BINARY_OPERATORS=l;const
c["+","...l,...o"];t.BINARY_OPERATORS=c;const
p["=", "+=", "...l.map(e=>e+"="),...n.map(e=>e+"=")];t.ASSIGNMENT_OPERATORS=p;const
u["delete","!"];t.BOOLEAN_UNARY_OPERATORS=u;const d["+","-
","~"];t.NUMBER_UNARY_OPERATORS=d;const h=["typeof"];t.STRING_UNARY_OPERATORS=h;const
f["void","throw",...u,...d,...h];t.UNARY_OPERATORS=f;t.INHERIT_KEYS={ optional:["typeAnnotation","typeP
arameters","returnType"],force:["start","loc","end"]};const m=Symbol.for("var used to be block
scoped");t.BLOCK_SCOPED_SYMBOL=m;const y=Symbol.for("should not be considered a local
binding");t.NOT_LOCAL_BINDING=y,function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=l;var n=r(6),i=r(1);const
s=Function.call.bind(Object.prototype.hasOwnProperty);function a(e,t,r){ return e&&"string"===typeof
e.type?!l(e,t,r):e}function o(e,t,r){ return Array.isArray(e)?e.map(e=>a(e,t,r)):a(e,t,r)}function
l(e,t=!0,r=!1){ if(!e)return
e;const { type:a }=e,l={ type:e.type };if((0,i.isIdentifier)(e))l.name=e.name,s(e,"optional")&&"boolean"===typeof
e.optional&&(l.optional=e.optional),s(e,"typeAnnotation")&&(l.typeAnnotation=t?o(e.typeAnnotation,!0,r):e.typeA
nnotation);else{ if(!s(n.NODE_FIELDS,a))throw new Error(`Unknown node type: "${a}"`);for(const p of
Object.keys(n.NODE_FIELDS[a]))s(e,p)&&(l[p]=t?(0,i.isFile)(e)&&"comments"===p?c(e.comments,t,r):o(e[p],!0,
r):e[p])}return
s(e,"loc")&&(l.loc=r?null:e.loc),s(e,"leadingComments")&&(l.leadingComments=c(e.leadingComments,t,r)),s(e,"in
nerComments")&&(l.innerComments=c(e.innerComments,t,r)),s(e,"trailingComments")&&(l.trailingComments=c(
e.trailingComments,t,r)),s(e,"extra")&&(l.extra=Object.assign({},e.extra),l)}function c(e,t,r){ return
e&&t?e.map(({ type:e,value:t,loc:n })=>r?{ type:e,value:t,loc:null }:{ type:e,value:t,loc:n }):e},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=h,Object.defineProperty(t,"NodePath",{ enumera
ble:!0,get:function(){ return o.default }}),Object.defineProperty(t,"Scope",{ enumerable:!0,get:function(){ return
l.default }}),Object.defineProperty(t,"Hub",{ enumerable:!0,get:function(){ return c.default }}),t.visitors=void 0;var
n=d(r(132)),i=u(r(371));t.visitors=i;var s=u(r(0)),a=u(r(38)),o=d(r(8)),l=d(r(100)),c=d(r(372));function
p(){ if("function"!==typeof WeakMap)return null;var e=new WeakMap;return p=function(){ return e},e}function
u(e){ if(e&&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return { default:e };var
t=p();if(t&&t.has(e))return t.get(e);var r={ },n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i
in e)if(Object.prototype.hasOwnProperty.call(e,i)){ var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}return
r.default=e,t&&t.set(e,r,r)}function d(e){ return e&&&e.__esModule?e:{ default:e }}function
h(e,t,r,n,a){ if(e){ if(t||(t={ }),!t.noScope&&!r&&"Program"===e.type&&"File"===e.type)throw new Error(`You must
pass a scope and parentPath unless traversing a Program/File. Instead of that you tried to traverse a ${e.type} node
without passing scope and parentPath.`);s.VISITOR_KEYS[e.type]&&(i.explode(t),h.node(e,t,r,n,a))} }function

```

```

f(e,t){e.node.type===t.type&&(t.has=!0,e.stop())}h.visitors=i,h.verify=i.verify,h.explode=i.explode,h.cheap=functio
n(e,t){return s.traverseFast(e,t)},h.node=function(e,t,r,i,a,o){const l=s.VISITOR_KEYS[e.type];if(!l)return;const
c=new n.default(r,t,i,a);for(const t of
l)if(!o||!o[t])&&c.visit(e,t)return},h.clearNode=function(e,t){s.removeProperties(e,t),a.path.delete(e)},h.removePro
perties=function(e,t){return s.traverseFast(e,h.clearNode,t),e},h.hasType=function(e,t,r){if(null===r?void
0:r.includes(e.type))return!1;if(e.type===t)return!0;const n={has:!1,type:t};return
h(e,{noScope:!0,denylist:r,enter:f},null,n),n.has},h.cache=a,function(e,t,r){var
n=r(41),i=r(152),s=r(153),a=n?n.toStringTag:void 0;e.exports=function(e){return null===e?void 0===e?"[object
Undefined]":"[object Null]":a&&a in Object(e)?i(e):s(e)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),Object.defineProperty(t,"isIdentifierName",{enumerable:!
0,get:function(){return
n.isIdentifierName}}),Object.defineProperty(t,"isIdentifierChar",{enumerable:!0,get:function(){return
n.isIdentifierChar}}),Object.defineProperty(t,"isIdentifierStart",{enumerable:!0,get:function(){return
n.isIdentifierStart}}),Object.defineProperty(t,"isReservedWord",{enumerable:!0,get:function(){return
i.isReservedWord}}),Object.defineProperty(t,"isStrictBindOnlyReservedWord",{enumerable:!0,get:function(){retur
n
i.isStrictBindOnlyReservedWord}}),Object.defineProperty(t,"isStrictBindReservedWord",{enumerable:!0,get:functi
on(){return
i.isStrictBindReservedWord}}),Object.defineProperty(t,"isStrictReservedWord",{enumerable:!0,get:function(){retu
rn i.isStrictReservedWord}}),Object.defineProperty(t,"isKeyword",{enumerable:!0,get:function(){return
i.isKeyword}});var n=r(209),i=r(210)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0});var
n={react:!0,assertNode:!0,createTypeAnnotationBasedOnTypeof:!0,createUnionTypeAnnotation:!0,createFlowUnio
nType:!0,createTSUnionType:!0,cloneNode:!0,clone:!0,cloneDeep:!0,cloneDeepWithoutLoc:!0,cloneWithoutLoc:!
0,addComment:!0,addComments:!0,inheritInnerComments:!0,inheritLeadingComments:!0,inheritsComments:!0,inh
eritTrailingComments:!0,removeComments:!0,ensureBlock:!0,toBindingIdentifierName:!0,toBlock:!0,toComputed
Key:!0,toExpression:!0,toIdentifier:!0,toKeyAlias:!0,toSequenceExpression:!0,toStatement:!0,valueToNode:!0,appe
ndToMemberExpression:!0,inherits:!0,prependToMemberExpression:!0,removeProperties:!0,removePropertiesDeep
:!0,removeTypeDuplicates:!0,getBindingIdentifiers:!0,getOuterBindingIdentifiers:!0,truncate:!0,shall
owEqual:!0,is:!0,isBinding:!0,isBlockScoped:!0,isImmutable:!0,isLet:!0,isNode:!0,isNodesEquivalent:!0,isPlacehol
derType:!0,isReferenced:!0,isScope:!0,isSpecifierDefault:!0,isType:!0,isValidES3Identifier:!0,isValidIdentifier:!0,is
Var:!0,matchesPattern:!0,validate:!0,buildMatchMemberExpression:!0};Object.defineProperty(t,"assertNode",{enu
merable:!0,get:function(){return
o.default}}),Object.defineProperty(t,"createTypeAnnotationBasedOnTypeof",{enumerable:!0,get:function(){return
c.default}}),Object.defineProperty(t,"createUnionTypeAnnotation",{enumerable:!0,get:function(){return
p.default}}),Object.defineProperty(t,"createFlowUnionType",{enumerable:!0,get:function(){return
p.default}}),Object.defineProperty(t,"createTSUnionType",{enumerable:!0,get:function(){return
u.default}}),Object.defineProperty(t,"cloneNode",{enumerable:!0,get:function(){return
f.default}}),Object.defineProperty(t,"clone",{enumerable:!0,get:function(){return
m.default}}),Object.defineProperty(t,"cloneDeep",{enumerable:!0,get:function(){return
y.default}}),Object.defineProperty(t,"cloneDeepWithoutLoc",{enumerable:!0,get:function(){return
T.default}}),Object.defineProperty(t,"cloneWithoutLoc",{enumerable:!0,get:function(){return
b.default}}),Object.defineProperty(t,"addComment",{enumerable:!0,get:function(){return
g.default}}),Object.defineProperty(t,"addComments",{enumerable:!0,get:function(){return
S.default}}),Object.defineProperty(t,"inheritInnerComments",{enumerable:!0,get:function(){return
x.default}}),Object.defineProperty(t,"inheritLeadingComments",{enumerable:!0,get:function(){return
E.default}}),Object.defineProperty(t,"inheritsComments",{enumerable:!0,get:function(){return
P.default}}),Object.defineProperty(t,"inheritTrailingComments",{enumerable:!0,get:function(){return

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v.default})),Object.defineProperty(t,"removeComments",{enumerable:!0,get:function(){return
A.default}}),Object.defineProperty(t,"ensureBlock",{enumerable:!0,get:function(){return
I.default}}),Object.defineProperty(t,"toBindingIdentifierName",{enumerable:!0,get:function(){return
C.default}}),Object.defineProperty(t,"toBlock",{enumerable:!0,get:function(){return
N.default}}),Object.defineProperty(t,"toComputedKey",{enumerable:!0,get:function(){return
k.default}}),Object.defineProperty(t,"toExpression",{enumerable:!0,get:function(){return
D.default}}),Object.defineProperty(t,"toIdentifier",{enumerable:!0,get:function(){return
_.default}}),Object.defineProperty(t,"toKeyAlias",{enumerable:!0,get:function(){return
L.default}}),Object.defineProperty(t,"toSequenceExpression",{enumerable:!0,get:function(){return
M.default}}),Object.defineProperty(t,"toStatement",{enumerable:!0,get:function(){return
j.default}}),Object.defineProperty(t,"valueToNode",{enumerable:!0,get:function(){return
F.default}}),Object.defineProperty(t,"appendToMemberExpression",{enumerable:!0,get:function(){return
B.default}}),Object.defineProperty(t,"inherits",{enumerable:!0,get:function(){return
U.default}}),Object.defineProperty(t,"prependToMemberExpression",{enumerable:!0,get:function(){return
V.default}}),Object.defineProperty(t,"removeProperties",{enumerable:!0,get:function(){return
K.default}}),Object.defineProperty(t,"removePropertiesDeep",{enumerable:!0,get:function(){return
q.default}}),Object.defineProperty(t,"removeTypeDuplicates",{enumerable:!0,get:function(){return
Y.default}}),Object.defineProperty(t,"getBindingIdentifiers",{enumerable:!0,get:function(){return
W.default}}),Object.defineProperty(t,"getOuterBindingIdentifiers",{enumerable:!0,get:function(){return
X.default}}),Object.defineProperty(t,"traverse",{enumerable:!0,get:function(){return
J.default}}),Object.defineProperty(t,"traverseFast",{enumerable:!0,get:function(){return
H.default}}),Object.defineProperty(t,"shallowEqual",{enumerable:!0,get:function(){return
G.default}}),Object.defineProperty(t,"is",{enumerable:!0,get:function(){return
z.default}}),Object.defineProperty(t,"isBinding",{enumerable:!0,get:function(){return
$.default}}),Object.defineProperty(t,"isBlockScoped",{enumerable:!0,get:function(){return
Q.default}}),Object.defineProperty(t,"isImmutable",{enumerable:!0,get:function(){return
Z.default}}),Object.defineProperty(t,"isLet",{enumerable:!0,get:function(){return
ee.default}}),Object.defineProperty(t,"isNode",{enumerable:!0,get:function(){return
te.default}}),Object.defineProperty(t,"isNodesEquivalent",{enumerable:!0,get:function(){return
re.default}}),Object.defineProperty(t,"isPlaceholderType",{enumerable:!0,get:function(){return
ne.default}}),Object.defineProperty(t,"isReferenced",{enumerable:!0,get:function(){return
ie.default}}),Object.defineProperty(t,"isScope",{enumerable:!0,get:function(){return
se.default}}),Object.defineProperty(t,"isSpecifierDefault",{enumerable:!0,get:function(){return
ae.default}}),Object.defineProperty(t,"isType",{enumerable:!0,get:function(){return
oe.default}}),Object.defineProperty(t,"isValidES3Identifier",{enumerable:!0,get:function(){return
le.default}}),Object.defineProperty(t,"isValidIdentifier",{enumerable:!0,get:function(){return
ce.default}}),Object.defineProperty(t,"isVar",{enumerable:!0,get:function(){return
pe.default}}),Object.defineProperty(t,"matchesPattern",{enumerable:!0,get:function(){return
ue.default}}),Object.defineProperty(t,"validate",{enumerable:!0,get:function(){return
de.default}}),Object.defineProperty(t,"buildMatchMemberExpression",{enumerable:!0,get:function(){return
he.default}}),t.react=void 0;var
i=r(264),s=r(265),a=r(266),o=r(274),l=r(275);Object.keys(l).forEach((function(e){"default"!==e&&"__esModule"!
==e&&(Object.prototype.hasOwnProperty.call(n,e))|e in
t&&t[e]==l[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return l[e]}})}));var
c=r(276),p=r(277),u=r(278),d=r(3);Object.keys(d).forEach((function(e){"default"!==e&&"__esModule"!==e&&(O
bject.prototype.hasOwnProperty.call(n,e))|e in
t&&t[e]==d[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return d[e]}})}));var
h=r(280);Object.keys(h).forEach((function(e){"default"!==e&&"__esModule"!==e&&(Object.prototype.hasOwnProperty

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operty.call(n,e)||e in t&&t[e]===h[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return h[e]}}));var
f=r(16),m=r(281),y=r(282),T=r(283),b=r(284),g=r(285),S=r(108),x=r(109),E=r(110),P=r(111),v=r(112),A=r(286),w
=r(287);Object.keys(w).forEach((function(e){"default"!==e&&"__esModule"!==e&&(Object.prototype.hasOwnProperty.call(n,e)||e in t&&t[e]===w[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return w[e]}}));var
O=r(15);Object.keys(O).forEach((function(e){"default"!==e&&"__esModule"!==e&&(Object.prototype.hasOwnProperty.call(n,e)||e in t&&t[e]===O[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return
O[e]}}));var
I=r(288),C=r(289),N=r(113),k=r(290),D=r(291),_=r(114),L=r(292),M=r(293),j=r(295),F=r(296),R=r(6);Object.keys
(R).forEach((function(e){"default"!==e&&"__esModule"!==e&&(Object.prototype.hasOwnProperty.call(n,e)||e in
t&&t[e]===R[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return R[e]}}));var
B=r(297),U=r(298),V=r(299),K=r(117),q=r(115),Y=r(107),W=r(37),X=r(300),J=r(301);Object.keys(J).forEach((fun
ction(e){"default"!==e&&"__esModule"!==e&&(Object.prototype.hasOwnProperty.call(n,e)||e in
t&&t[e]===J[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return J[e]}}));var
H=r(116),G=r(54),z=r(36),$_r(302),Q=r(303),Z=r(304),ee=r(118),te=r(106),re=r(305),ne=r(104),ie=r(306),se=r(307
),ae=r(308),oe=r(56),le=r(309),ce=r(24),pe=r(310),ue=r(103),de=r(57),he=r(102),fe=r(1);Object.keys(fe).forEach((f
unction(e){"default"!==e&&"__esModule"!==e&&(Object.prototype.hasOwnProperty.call(n,e)||e in
t&&t[e]===fe[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return fe[e]}}));var
me=r(311);Object.keys(me).forEach((function(e){"default"!==e&&"__esModule"!==e&&(Object.prototype.hasOw
nProperty.call(n,e)||e in t&&t[e]===me[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return
me[e]}}));const
ye={isReactComponent:i.default,isCompatTag:s.default,buildChildren:a.default};t.react=ye,function(e,t){t.getArg
=function(e,t,r){if(t in e)return e[t];if(3===arguments.length)return r;throw new Error("'" + t + "' is a required
argument.");var r=/(?:(\w+|-|_|.)+)?\s*(?:(\w+|\w+@)?([\w.-]*)(?::(\d+))?(.*)$/;n=/^data:.+,.+$/;function i(e){var
t=e.match(r);return t?{scheme:t[1],auth:t[2],host:t[3],port:t[4],path:t[5]}:null}function s(e){var t="";return
e.scheme&&(t+=e.scheme+":"),t+="/",e.auth&&(t+=e.auth+"@"),e.host&&(t+=e.host),e.port&&(t+=":"+e.port),e
.path&&(t+=e.path),t.t.urlParse=i,t.urlGenerate=s;var a,o,l=(a=function(e){var r=e,n=i(e);if(n){if(!n.path)return
e;r=n.path}for(var a=t.isAbsolute(r),o=[],l=0,c=0;){if(l=c,-
l===(c=r.indexOf("/",l))){o.push(r.slice(l));break}for(o.push(r.slice(l,c));c<r.length&&"/"===r[c];)c++;var
p,u=0;for(c=o.length-1;c>=0;c--
)"."===p?o.splice(c,1):"."===p?u++;u>0&&("."===p?(o.splice(c+1,u),u=0):(o.splice(c,2),u--
));return"."===r?o.join("/")&&(r=a?"":"."),n?(n.path=r,s(n)):r,o=[],function(e){for(var
t=0;t<o.length;t++)if(o[t].input===e){var r=o[0];return o[0]=o[t],o[t]=r,o[0].result}var n=a(e);return
o.unshift({input:e,result:n}),o.length>32&&o.pop(),n);function c(e,t){""===e&&(e="."),""===t&&(t=".");var
r=i(t),a=i(e);if(a&&(e=a.path||"/"),r&&!r.scheme)return a&&(r.scheme=a.scheme),s(r);if(r||t.match(n))return
t;if(a&&!a.host&&!a.path)return a.host=t,s(a);var o="/"===t.charAt(0)?t:l(e.replace(/\$/,"")+"/"+t);return
a?(a.path=o,s(a)):o.t.normalize=l,t.join=c,t.isAbsolute=function(e){return"."===e.charAt(0)||r.test(e)},t.relative=function(e,t){""===e&&(e="."),e=e.replace(/\$/,"");for(var r=0;0!==(t.indexOf(e+"/"));){var
n=e.lastIndexOf("/");if(n<0)return t;if((e=e.slice(0,n)).match(/^[^\w]+\w+$/))return t;+r}return
Array(r+1).join("../")+t.substr(e.length+1)}var p!("__proto__" in Object.create(null));function u(e){return
e}function d(e){if(!e)return!1;var t=e.length;if(t<9)return!1;if(95!==(e.charCodeAt(t-1))|95!==(e.charCodeAt(t-
2))|111!==(e.charCodeAt(t-3))|116!==(e.charCodeAt(t-4))|111!==(e.charCodeAt(t-5))|114!==(e.charCodeAtAt(t-
6))|112!==(e.charCodeAt(t-7))|95!==(e.charCodeAt(t-8))|95!==(e.charCodeAt(t-9)))return!1;for(var r=t-10;r>=0;r--
)if(36!==(e.charCodeAt(r))return!1;return!0}function h(e,t){return e===t?0:null===e?1:null===t?-1:e>t?1:-
1}t.toSetString=p?u:function(e){return d(e)+"$"+e};t.fromSetString=p?u:function(e){return
d(e)?e.slice(1):e},t.compareByOriginalPositions=function(e,t,r){var n=h(e.source,t.source);return
0!==(n||0!==(n=e.originalLine-t.originalLine))|0!==(n=e.originalColumn-
t.originalColumn)||r|0!==(n=e.generatedColumn-t.generatedColumn)||0!==(n=e.generatedLine-
t.generatedLine)?n:h(e.name,t.name)},t.compareByOriginalPositionsNoSource=function(e,t,r){var n;return
```

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0!==(n=e.originalLine-t.originalLine)||0!==(n=e.originalColumn-t.originalColumn)||r||0!==(n=e.generatedColumn-
t.generatedColumn)||0!==(n=e.generatedLine-
t.generatedLine)?n:h(e.name,t.name)},t.compareByGeneratedPositionsDeflated=function(e,t,r){var
n=e.generatedLine-t.generatedLine;return 0!==(n)||0!==(n=e.generatedColumn-
t.generatedColumn)||r||0!==(n=h(e.source,t.source))||0!==(n=e.originalLine-
t.originalLine)||0!==(n=e.originalColumn-
t.originalColumn)?n:h(e.name,t.name)},t.compareByGeneratedPositionsDeflatedNoLine=function(e,t,r){var
n=e.generatedColumn-t.generatedColumn;return 0!==(n)||r||0!==(n=h(e.source,t.source))||0!==(n=e.originalLine-
t.originalLine)||0!==(n=e.originalColumn-
t.originalColumn)?n:h(e.name,t.name)},t.compareByGeneratedPositionsInflated=function(e,t,r){var
r=e.generatedLine-t.generatedLine;return 0!==(r)||0!==(r=e.generatedColumn-
t.generatedColumn)||0!==(r=h(e.source,t.source))||0!==(r=e.originalLine-t.originalLine)||0!==(r=e.originalColumn-
t.originalColumn)?r:h(e.name,t.name)},t.parseSourceMapInput=function(e){return
JSON.parse(e.replace(/\\})['^\n]*\n/,"")),t.computeSourceURL=function(e,t,r){if(t=t||""&&(!e.length-
1)&&"!"+t[0]&&(e+=""/),t=e+t,r){var n=i(r);if(!n)throw new Error("sourceMapURL could not be
parsed");if(n.path){var a=n.path.lastIndexOf("/");a>=0&&(n.path=n.path.substring(0,a+1))}t=c(s(n),t)}return
l(t)},function(e,t){e.exports=function(e){var t=typeof e;return
null!=e&&("object"==t||"function"==t)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t=!0){if("string"!=typeof
e)return!1;if(t){if((0,n.isKeyword)(e)||((0,n.isStrictReservedWord)(e)))return!1;if("await"===e)return!1}return(0,n.isI
dentifierName)(e)};var n=r(19)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t=!0){if("string"!=typeof
e)return!1;if(t&&((0,n.isKeyword)(e)||((0,n.isStrictReservedWord)(e,!0)))return!1;return(0,n.isIdentifierName)(e)};v
ar n=r(19)},function(e,t){t.getArg=function(e,t,r){if(t in e)return e[t];if(3===arguments.length)return r;throw new
Error(""+t+" is a required argument.");var r=/^(?:([w+|-
.]+):)?\/(?:([w+:\w+])@)?([w.]*)(?:((d+))?(S*)$),n=/^data:.+\.+$/;function i(e){var t=e.match(r);return
t?[scheme:t[1],auth:t[2],host:t[3],port:t[4],path:t[5]:null}function s(e){var t="";return
e.scheme&&(t+=e.scheme+":"),t+=""/,e.auth&&(t+=e.auth+"@"),e.host&&(t+=e.host),e.port&&(t+=":"+e.port),e.
path&&(t+=e.path),t}function a(e){var r=e,n=i(e);if(!n.path)return e;r=n.path}for(var
a,o=t.isAbsolute(r),l=r.split(/\/+/),c=0,p=l.length-1;p>=0;p--
)". "===a[l[p]]?l.splice(p,1):".. "===a?c++:c>0&&(" "===a?(l.splice(p+1,c),c=0):(l.splice(p,2),c--
));return ""===r?l.join("/")&&(r=o?" ":""),n?(n.path=r,s(n)):r}t.urlParse=i,t.urlGenerate=s,t.normalize=a,t.join=fu
nction(e,t){""===e&&(e="."),""===t&&(t="");var r=i(t),o=i(e);if(o&&(e.o.path||"/"),r&&!r.scheme)return
o&&(r.scheme=o.scheme),s(r);if(r||t.match(n))return t;if(o&&!o.host&&!o.path)return o.host=t,s(o);var
l=" "===t.charAt(0)?t:a(e.replace(/\/+$/, "")+" "+t);return
o?(o.path=l,s(o)):l,t.isAbsolute=function(e){return ""===e.charAt(0)||!e.match(r)},t.relative=function(e,t){""===e
&&(e="."),e=e.replace(/\/$/, "");for(var r=0;0!==(t.indexOf(e+" "/));){var n=e.lastIndexOf("/");if(n<0)return
t;if((e=e.slice(0,n)).match(/^[^\/]+:\?\/?$/))return t;+r}return Array(r+1).join("../")+t.substr(e.length+1)};var
o!={"__proto__" in Object.create(null)};function l(e){return e}function c(e){if(!e)return!1;var
t=e.length;if(t<9)return!1;if(95!==(e.charCodeAt(t-1))||95!==(e.charCodeAt(t-2))||111!==(e.charCodeAt(t-
3))||116!==(e.charCodeAt(t-4))||111!==(e.charCodeAt(t-5))||114!==(e.charCodeAt(t-6))||112!==(e.charCodeAt(t-
7))||95!==(e.charCodeAt(t-8))||95!==(e.charCodeAt(t-9)))return!1;for(var r=t-10;r>=0;r--
)if(36!==(e.charCodeAt(r)))return!1;return!0}function p(e,t){return e===t?0:e>t?1:-
1}t.toSetString=o?l:function(e){return c(e)?"$"+e},t.fromSetString=o?l:function(e){return
c(e)?e.slice(1):e},t.compareByOriginalPositions=function(e,t,r){var n=e.source-t.source;return
0!==(n)||0!==(n=e.originalLine-t.originalLine)||0!==(n=e.originalColumn-
t.originalColumn)||r||0!==(n=e.generatedColumn-t.generatedColumn)||0!==(n=e.generatedLine-
t.generatedLine)?n:e.name-t.name},t.compareByGeneratedPositionsDeflated=function(e,t,r){var n=e.generatedLine-

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t.generatedLine;return 0!==(n||0)!==(n=e.generatedColumn-t.generatedColumn)||r||0!==(n=e.source-
t.source)||0!==(n=e.originalLine-t.originalLine)||0!==(n=e.originalColumn-t.originalColumn)?n:e.name-
t.name},t.compareByGeneratedPositionsInflated=function(e,t){var r=e.generatedLine-t.generatedLine;return
0!==(r||0)!==(r=e.generatedColumn-t.generatedColumn)||0!==(r=p(e.source,t.source))||0!==(r=e.originalLine-
t.originalLine)||0!==(r=e.originalColumn-t.originalColumn)?r:p(e.name,t.name)},function(e,t,r){var
n=r(141),i=r(142),s=r(143),a=r(144),o=r(145);function l(e){var t=-
1,r=null==e?0:e.length;for(this.clear();++t<r;){var
n=e[t];this.set(n[0],n[1])}}l.prototype.clear=n,l.prototype.delete=i,l.prototype.get=s,l.prototype.has=a,l.prototype.set
=o,e.exports=l},function(e,t,r){var n=r(66);e.exports=function(e,t){for(var r=e.length;r--);if(n(e[r][0],t))return
r;return-1}},function(e,t,r){var n=r(11)(Object,"create");e.exports=n},function(e,t,r){var
n=r(166);e.exports=function(e,t){var r=e.__data__;return n(t)?r["string"]===typeof
t?"string":"hash":r.map}},function(e,t,r){var n=r(70),i=r(71);e.exports=function(e,t,r,s){var a=!r;||r||(r={});for(var
o=-1,l=t.length;++o<l;){var c=t[o],p=s?s(r[c],e[c],c,r,e):void 0;void 0===p&&(p=e[c]),a?i(r,c,p):n(r,c,p)}return
r}},function(e,t){e.exports=function(e){return
e.webpackPolyfill||(e.deprecate=function(){},e.paths=[],e.children||(e.children=[]),Object.defineProperty(e,"loaded",
{enumerable:!0,get:function(){return e.l}}),Object.defineProperty(e,"id",{enumerable:!0,get:function(){return
e.i}}),e.webpackPolyfill=1,e)},function(e,t){e.exports=function(e){return function(t){return
e(t)}}},function(e,t,r){(function(e){var n=r(68),i=t&&!t.nodeType&&t.s=i&&"object"===typeof
e&&e&&!e.nodeType&&e.a=s&&s.exports===i&&n.process,o=function(){try{var
e=s&&s.require&&s.require("util").types;return
e||a&&a.binding&&a.binding("util")}catch(e){}});e.exports=o).call(this,r(31)(e)),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!t)return!1;if(!0,i.default)(t.typ
e,e))return!r&&"Placeholder"===t.type&&e in
a.FLIPPED_ALIAS_KEYS&&(0,s.default)(t.expectedNode,e);return void 0===r||(0,n.default)(t,r);var
n=o(r(39)),i=o(r(51)),s=o(r(82)),a=r(5);function o(e){return e&&e.__esModule?e:{default:e}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=i;var n=r(2);function i(e,t,r){let
s=[];s.concat(e);const a=Object.create(null);for(;s.length;){const e=s.shift();if(!e)continue;const
o=i.keys[e.type];if((0,n.isIdentifier)(e))if(t){(a[e.name]=a[e.name]||[]).push(e)}else a[e.name]=e;else
if((0,n.isExportDeclaration)(e))(0,n.isDeclaration)(e.declaration)&&s.push(e.declaration);else if(r){if((0,n.isFunction
Declaration)(e)){s.push(e.id);continue}if((0,n.isFunctionExpression)(e))continue}if(o)for(let
t=0;t<o.length;t++){const r=o[t];e[r]&&(s=s.concat(e[r]))}}return
a}i.keys={DeclareClass:["id"],DeclareFunction:["id"],DeclareModule:["id"],DeclareVariable:["id"],DeclareInterfac
e:["id"],DeclareTypeAlias:["id"],DeclareOpaqueType:["id"],InterfaceDeclaration:["id"],TypeAlias:["id"],OpaqueTy
pe:["id"],CatchClause:["param"],LabeledStatement:["label"],UnaryExpression:["argument"],AssignmentExpression:
["left"],ImportSpecifier:["local"],ImportNamespaceSpecifier:["local"],ImportDefaultSpecifier:["local"],ImportDecla
ration:["specifiers"],ExportSpecifier:["exported"],ExportNamespaceSpecifier:["exported"],ExportDefaultSpecifier:[
"exported"],FunctionDeclaration:["id","params"],FunctionExpression:["id","params"],ArrowFunctionExpression:["p
arams"],ObjectMethod:["params"],ClassMethod:["params"],ForInStatement:["left"],ForOfStatement:["left"],ClassD
eclaration:["id"],ClassExpression:["id"],RestElement:["argument"],UpdateExpression:["argument"],ObjectProperty:
["value"],AssignmentPattern:["left"],ArrayPattern:["elements"],ObjectPattern:["properties"],VariableDeclaration:["d
eclarations"],VariableDeclarator:["id"]}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!t)return!1;if(!0,i.default)(t.typ
e,e))return!r&&"Placeholder"===t.type&&e in
a.FLIPPED_ALIAS_KEYS&&(0,s.default)(t.expectedNode,e);return void 0===r||(0,n.default)(t,r);var
n=r(54),i=r(56),s=r(104),a=r(6)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=i;var n=r(1);function i(e,t,r){let
s=[];s.concat(e);const a=Object.create(null);for(;s.length;){const e=s.shift();if(!e)continue;const
o=i.keys[e.type];if((0,n.isIdentifier)(e))if(t){(a[e.name]=a[e.name]||[]).push(e)}else a[e.name]=e;else

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if(!(0,n.isExportDeclaration)(e)||!(0,n.isExportAllDeclaration)(e)){if(r){if((0,n.isFunctionDeclaration)(e)){s.push(e.id);continue}if((0,n.isFunctionExpression)(e))continue}if(o)for(let t=0;t<o.length;t++){const r=o[t];e[r]&&(s=s.concat(e[r]))}else(0,n.isDeclaration)(e.declaration)&&s.push(e.declaration)}return a}.keys={DeclareClass:["id"],DeclareFunction:["id"],DeclareModule:["id"],DeclareVariable:["id"],DeclareInterface:["id"],DeclareTypeAlias:["id"],DeclareOpaqueType:["id"],InterfaceDeclaration:["id"],TypeAlias:["id"],OpaqueType:["id"],CatchClause:["param"],LabeledStatement:["label"],UnaryExpression:["argument"],AssignmentExpression:["left"],ImportSpecifier:["local"],ImportNamespaceSpecifier:["local"],ImportDefaultSpecifier:["local"],ImportDeclaration:["specifiers"],ExportSpecifier:["exported"],ExportNamespaceSpecifier:["exported"],ExportDefaultSpecifier:["exported"],FunctionDeclaration:["id","params"],FunctionExpression:["id","params"],ArrowFunctionExpression:["params"],ObjectMethod:["params"],ClassMethod:["params"],ForInStatement:["left"],ForOfStatement:["left"],ClassDeclaration:["id"],ClassExpression:["id"],RestElement:["argument"],UpdateExpression:["argument"],ObjectProperty:["value"],AssignmentPattern:["left"],ArrayPattern:["elements"],ObjectPattern:["properties"],VariableDeclaration:["declarations"],VariableDeclarator:["id"]}},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.clear=function(){s(),a()},t.clearPath=s,t.clearScope=a,t.scope=t.path=void 0;let n=new WeakMap;t.path=n;let i=new WeakMap;function s(){t.path=n=new WeakMap}function a(){t.scope=i=new WeakMap}t.scope=i},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const r=Object.keys(t);for(const n of r)if(e[n]!==t[n])return!1;return!0},function(e,t,r){var n=r(11)(r(7),"Map");e.exports=n},function(e,t,r){var n=r(7).Symbol;e.exports=n},function(e,t,r){var n=r(72),i=r(180),s=r(76);e.exports=function(e){return s(e)?n(e):i(e)},function(e,t){var r=Array.isArray;e.exports=r},function(e,t){var r=Object.prototype;e.exports=function(e){var t=e&&e.constructor;return e===("function"===typeof t&&t.prototype||r)},function(e,t,r){var n=r(72),i=r(183),s=r(76);e.exports=function(e){return s(e)?n(e,!0):i(e)},function(e,t,r){var n=r(188),i=r(77),s=Object.prototype.propertyIsEnumerable,a=Object.getOwnPropertySymbols,o=a?function(e){return null===e?[]:(e=Object(e),n(a(e),(function(t){return s.call(e,t)}))))):i;e.exports=o},function(e,t,r){var n=r(75)(Object.getPrototypeOf,Object);e.exports=n},function(e,t,r){var n=r(192),i=r(40),s=r(193),a=r(194),o=r(195),l=r(18),c=r(69),p=c(n),u=c(i),d=c(s),h=c(a),f=c(o),m=l;(n&&"[object DataView]"!==m(new n(new ArrayBuffer(1)))||i&&"[object Map]"!==m(new i)||s&&"[object Promise]"!==m(s.resolve())||a&&"[object Set]"!==m(new a)||o&&"[object WeakMap]"!==m(new o))&&(m=function(e){var t=l(e),r="[object Object]"===t?e.constructor:void 0,n=r?c(r):"";if(n)switch(n){case p:return"[object DataView]";case u:return"[object Map]";case d:return"[object Promise]";case h:return"[object Set]";case f:return"[object WeakMap]"}return t}),e.exports=m},function(e,t,r){var n=r(198);e.exports=function(e){var t=new e.constructor(e.byteLength);return new n(t).set(new n(e),t)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.classMethodOrDeclareMethodCommon=t.classMethodOrPropertyCommon=t.patternLikeCommon=t.functionDeclarationCommon=t.functionTypeAnnotationCommon=t.functionCommon=void 0;var n=c(r(34)),i=c(r(23)),s=r(19),a=r(13),o=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=l();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in e)if(Object.prototype.hasOwnProperty.call(e,i)){var s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t&&t.set(e,r);return r}(r(9));function l(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return l=function(){return e},e}function c(e){return e&&e.__esModule?e:{default:e}}(0,o.default)("ArrayExpression",{fields:{elements:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeOrValueType)("null","Expression","SpreadElement"))),default:process.env.BABEL_TYPES_8_BREAKING?void 0:[]}},visitor:["elements"],aliases:["Expression"]}),0,o.default)("AssignmentExpression",{fields:{operator:{validate:e:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(0,o.assertValueType)("string");const

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e=(0,o.assertOneOf)(...a.ASSIGNMENT_OPERATORS),t=(0,o.assertOneOf)("=");return
function(r,i,s){((0,n.default)("Pattern",r.left?t:e)(r,i,s)){}},left:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)("Identifier","MemberExpression","ArrayPattern","ObjectPattern):(0,o.assertNodeType)("LVal")),right:{validate:(0,o.assertNodeType)("Expression")}},builder:["operator","left","right"],visitor:["left","right"],aliases:["Expression"]}),0,o.default)("BinaryExpression",{builder:["operator","left","right"],fields:{operator:{validate:(0,o.assertOneOf)(...a.BINARY_OPERATORS)},left:{validate:function(){const e=(0,o.assertNodeType)("Expression"),t=(0,o.assertNodeType)("Expression","PrivateName"),r=function(r,n,i){("in"===r.operator?t:e)(r,n,i)};return r.oneOfNodeTypes=["Expression","PrivateName"],r()}}},right:{validate:(0,o.assertNodeType)("Expression")}},visitor:["left","right"],aliases:["Binary","Expression"]}),0,o.default)("InterpreterDirective",{builder:["value"],fields:{value:{validate:(0,o.assertValueType)("string")}}}),0,o.default)("Directive",{visitor:["value"],fields:{value:{validate:(0,o.assertNodeType)("DirectiveLiteral")}}}),0,o.default)("DirectiveLiteral",{builder:["value"],fields:{value:{validate:(0,o.assertValueType)("string")}}}),0,o.default)("BlockStatement",{builder:["body","directives"],visitor:["directives","body"],fields:{directives:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Directive"))},default:[]},body:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Statement"))}},aliases:["Scopable","BlockParent","Block","Statement"]}),0,o.default)("BreakStatement",{visitor:["label"],fields:{label:{validate:(0,o.assertNodeType)("Identifier"),optional:!0}},aliases:["Statement","Terminatorless","CompletionStatement"]}),0,o.default)("CallExpression",{visitor:["callee","arguments","typeParameters","typeArguments"],builder:["callee","arguments"],aliases:["Expression"],fields:Object.assign({callee:{validate:(0,o.assertNodeType)("Expression","V8IntrinsicIdentifier")},arguments:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Expression","SpreadElement","JSXNamespacedName","ArgumentPlaceholder"))}},process.env.BABEL_TYPES_8_BREAKING?{}:{optional:{validate:(0,o.assertOneOf)(!0,!1),optional:!0}},{typeArguments:{validate:(0,o.assertNodeType)("TypeParameterInstantiation"),optional:!0},typeParameters:{validate:(0,o.assertNodeType)("TSTypeParameterInstantiation"),optional:!0}}}),0,o.default)("CatchClause",{visitor:["param","body"],fields:{param:{validate:(0,o.assertNodeType)("Identifier","ArrayPattern","ObjectPattern"),optional:!0},body:{validate:(0,o.assertNodeType)("BlockStatement")}},aliases:["Scopable","BlockParent"]}),0,o.default)("ConditionalExpression",{visitor:["test","consequent","alternate"],fields:{test:{validate:(0,o.assertNodeType)("Expression")},consequent:{validate:(0,o.assertNodeType)("Expression")},alternate:{validate:(0,o.assertNodeType)("Expression")}},aliases:["Expression","Conditional"]}),0,o.default)("ContinueStatement",{visitor:["label"],fields:{label:{validate:(0,o.assertNodeType)("Identifier"),optional:!0}},aliases:["Statement","Terminatorless","CompletionStatement"]}),0,o.default)("DebuggerStatement",{aliases:["Statement"]}),0,o.default)("DoWhileStatement",{visitor:["test","body"],fields:{test:{validate:(0,o.assertNodeType)("Expression")},body:{validate:(0,o.assertNodeType)("Statement")}},aliases:["Statement","BlockParent","Loop","While","Scopable"]}),0,o.default)("EmptyStatement",{aliases:["Statement"]}),0,o.default)("ExpressionStatement",{visitor:["expression"],fields:{expression:{validate:(0,o.assertNodeType)("Expression")}},aliases:["Statement","ExpressionWrapper"]}),0,o.default)("File",{builder:["program","comments","tokens"],visitor:["program"],fields:{program:{validate:(0,o.assertNodeType)("Program")},comments:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertEach)((0,o.assertNodeType)("CommentBlock","CommentLine")):Object.assign(=>{}},{each:{oneOfNodeTypes:["CommentBlock","CommentLine"]}},optional:!0),tokens:{validate:(0,o.assertEach)(Object.assign(=>{}},{type:"any"})),optional:!0}}}),0,o.default)("ForInStatement",{visitor:["left","right","body"],aliases:["Scopable","Statement","For","BlockParent","Loop","ForXStatement"],fields:{left:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)("VariableDeclaration","Identifier","MemberExpression","ArrayPattern","ObjectPattern):(0,o.assertNodeType)("VariableDeclaration","LVal")),right:{validate:(0,o.assertNodeType)("Expression")},body:{validate:(0,o.assertNodeType)("Statement")}}}),0,o.default)("ForStatement",{visitor:["init","test","update","body"],aliases:["Scopable","Statement","For","BlockParent","Loop"],fields:{init:{validate:(0,o.assertNodeType)("VariableDeclaration","Expression"),optional:!0},test:{validate:(0,o.assertNodeType)("Expression"),optional:!0},update:{validate:(0,o.assertNodeType)("Expression"),optional:!0},body:{validate:(0,o.assertNodeType)("Statement")}}});const p={params:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Identifier"),

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"Pattern", "RestElement", "TSParameterProperty"))), generator: { default: !1 }, async: { default: !1 } }; t.functionCommon=
p; const
u = { returnType: { validate: (0, o.assertNodeType)("TypeAnnotation", "TSTypeAnnotation", "Noop"), optional: !0 }, typeP
arameters: { validate: (0, o.assertNodeType)("TypeParameterDeclaration", "TSTypeParameterDeclaration", "Noop"), op
tional: !0 } }; t.functionTypeAnnotationCommon = u; const
d = Object.assign({ }, p, { declare: { validate: (0, o.assertValueType)("boolean"), optional: !0 }, id: { validate: (0, o.assertNode
Type)("Identifier"), optional: !0 } }); t.functionDeclarationCommon = d, (0, o.default)("FunctionDeclaration", { builder: ["i
d", "params", "body", "generator", "async"], visitor: ["id", "params", "body", "returnType", "typeParameters"], fields: Objec
t.assign({ }, d, u, { body: { validate: (0, o.assertNodeType)("BlockStatement") } }, aliases: ["Scopable", "Function", "Block
Parent", "FunctionParent", "Statement", "Pureish", "Declaration"], validate: function() { if (!process.env.BABEL_TYPES
_8_BREAKING) return () => {} }; const e = (0, o.assertNodeType)("Identifier"); return
function(t, r, i) { (0, n.default)("ExportDefaultDeclaration", t) | e(i, "id", i.id) } ()), (0, o.default)("FunctionExpression", { in
herits: "FunctionDeclaration", aliases: ["Scopable", "Function", "BlockParent", "FunctionParent", "Expression", "Pureish
"], fields: Object.assign({ }, p, u, { id: { validate: (0, o.assertNodeType)("Identifier"), optional: !0 }, body: { validate: (0, o.asse
rtNodeType)("BlockStatement") } })); const
h = { typeAnnotation: { validate: (0, o.assertNodeType)("TypeAnnotation", "TSTypeAnnotation", "Noop"), optional: !0 }, d
ecorators: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("Decorator")))
} }; t.patternLikeCommon = h, (0, o.default)("Identifier", { builder: ["name"], visitor: ["typeAnnotation", "decorators"], alia
ses: ["Expression", "PatternLike", "LVal", "TSEntityName"], fields: Object.assign({ }, h, { name: { validate: (0, o.chain)((0,
o.assertValueType)("string"), Object.assign((function(e, t, r) { if (process.env.BABEL_TYPES_8_BREAKING && !(0, i
.default)(r, !1)) throw new TypeError(`"${r}" is not a valid identifier
name`)}), { type: "string" } })), optional: { validate: (0, o.assertValueType)("boolean"), optional: !0 } }, validate(e, t, r) { if (!pr
ocess.env.BABEL_TYPES_8_BREAKING) return; const
i = /\.(\w+)\$/ .exec(t); if (!i) return; const [a] = i, o = { computed: !1 }; if ("property" === a) { if ((0, n.default)("MemberExpressio
n", e, o)) return; if ((0, n.default)("OptionalMemberExpression", e, o)) return } else
if ("key" === a) { if ((0, n.default)("Property", e, o)) return; if ((0, n.default)("Method", e, o)) return } else
if ("exported" === a) { if ((0, n.default)("ExportSpecifier", e)) return } else
if ("imported" === a) { if ((0, n.default)("ImportSpecifier", e, { imported: r })) return } else
if ("meta" === a && (0, n.default)("MetaProperty", e, { meta: r })) return; if (((0, s.isKeyword)(r.name) || (0, s.isReservedWord
)(r.name)) && "this" !== r.name) throw new TypeError(`"${r.name}" is not a valid
identifier`)); (0, o.default)("IfStatement", { visitor: ["test", "consequent", "alternate"], aliases: ["Statement", "Conditiona
l"], fields: { test: { validate: (0, o.assertNodeType)("Expression") }, consequent: { validate: (0, o.assertNodeType)("Stateme
nt") }, alternate: { optional: !0, validate: (0, o.assertNodeType)("Statement") } } }), (0, o.default)("LabeledStatement", { visit
or: ["label", "body"], aliases: ["Statement"], fields: { label: { validate: (0, o.assertNodeType)("Identifier") }, body: { validate: (
0, o.assertNodeType)("Statement") } } }), (0, o.default)("StringLiteral", { builder: ["value"], fields: { value: { validate: (0, o.as
sertValueType)("string") } }, aliases: ["Expression", "Pureish", "Literal", "Immutable"] } }), (0, o.default)("NumericLiteral"
, { builder: ["value"], deprecatedAlias: "NumberLiteral", fields: { value: { validate: (0, o.assertValueType)("number") } }, ali
ases: ["Expression", "Pureish", "Literal", "Immutable"] } }), (0, o.default)("NullLiteral", { aliases: ["Expression", "Pureish", "
Literal", "Immutable"] } }), (0, o.default)("BooleanLiteral", { builder: ["value"], fields: { value: { validate: (0, o.assertValueTy
pe)("boolean") } }, aliases: ["Expression", "Pureish", "Literal", "Immutable"] } }), (0, o.default)("RegExpLiteral", { builder: [
"pattern", "flags"], deprecatedAlias: "RegexLiteral", aliases: ["Expression", "Pureish", "Literal"], fields: { pattern: { validate
: (0, o.assertValueType)("string") }, flags: { validate: (0, o.chain)((0, o.assertValueType)("string"), Object.assign((function
(e, t, r) { if (!process.env.BABEL_TYPES_8_BREAKING) return; const n = /^[gimsuy]/ .exec(r); if (n) throw new
TypeError(`"${n[0]}" is not a valid RegExp
flag`)}), { type: "string" } })), default: "" } } }), (0, o.default)("LogicalExpression", { builder: ["operator", "left", "right"], visitor
: ["left", "right"], aliases: ["Binary", "Expression"], fields: { operator: { validate: (0, o.assertOneOf)(...a.LOGICAL_OPER
ATORS) }, left: { validate: (0, o.assertNodeType)("Expression") }, right: { validate: (0, o.assertNodeType)("Expression")
} } }), (0, o.default)("MemberExpression", { builder: ["object", "property", "computed", "optional"], visitor: ["object", "prope

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rty"],aliases:["Expression","LVal"],fields:Object.assign({object:{validate:(0,o.assertNodeType)("Expression")},property:{validate:function(){const
e=(0,o.assertNodeType)("Identifier","PrivateName"),t=(0,o.assertNodeType)("Expression"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return
r.oneOfNodeTypes=["Expression","Identifier","PrivateName"],r}),computed:{default:!1}},process.env.BABEL_TYPES_8_BREAKING?{}:{optional:{validate:(0,o.assertOneOf)(!0,!1),optional:!0}}}),
(0,o.default)("NewExpression",{inherits:"CallExpression"}),(0,o.default)("Program",{visitor:["directives","body"],builder:["body","directives","sourceType","interpreter"],fields:{sourceFile:{validate:(0,o.assertValueType)("string")},sourceType:{validate:(0,o.assertOneOf)("script","module"),default:"script"},interpreter:{validate:(0,o.assertNodeType)("InterpreterDirective"),default:null,optional:!0},directives:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Directive"))},default:[]},body:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Statement"))}}},aliases:["Scopable","BlockParent","Block"]}),
(0,o.default)("ObjectExpression",{visitor:["properties"],aliases:["Expression"],fields:{properties:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("ObjectMethod","ObjectProperty","SpreadElement"))}}}),
(0,o.default)("ObjectMethod",{builder:["kind","key","params","body","computed","generator","async"],fields:Object.assign({},p,u,{kind:Object.assign({validate:(0,o.assertOneOf)("method","get","set")},process.env.BABEL_TYPES_8_BREAKING?{}:{default:"method"}),computed:{default:!1},key:{validate:function(){const
e=(0,o.assertNodeType)("Identifier","StringLiteral","NumericLiteral"),t=(0,o.assertNodeType)("Expression"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return
r.oneOfNodeTypes=["Expression","Identifier","StringLiteral","NumericLiteral"],r}),decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))},optional:!0},body:{validate:(0,o.assertNodeType)("BlockStatement")}},visitor:["key","params","body","decorators","returnType","typeParameters"],aliases:["UserWhitespacable","Function","Scopable","BlockParent","FunctionParent","Method","ObjectMember"]}),
(0,o.default)("ObjectProperty",{builder:["key","value","computed","shorthand",...process.env.BABEL_TYPES_8_BREAKING?[]:["decorators"]],fields:{computed:{default:!1},key:{validate:function(){const
e=(0,o.assertNodeType)("Identifier","StringLiteral","NumericLiteral"),t=(0,o.assertNodeType)("Expression"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return
r.oneOfNodeTypes=["Expression","Identifier","StringLiteral","NumericLiteral"],r}),value:{validate:(0,o.assertNodeType)("Expression","PatternLike")},shorthand:{validate:(0,o.chain)((0,o.assertValueType)("boolean"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&r&&e.computed)throw new
TypeError("Property shorthand of ObjectProperty cannot be true if computed is true"))},{type:"boolean"}),(function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&r&&!0,n.default)("Identifier",e.key))throw new
TypeError("Property shorthand of ObjectProperty cannot be true if key is not an Identifier"))}),default:!1},decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))},optional:!0},visitor:["key","value","decorators"],aliases:["UserWhitespacable","Property","ObjectMember"],validate:function(){const
e=(0,o.assertNodeType)("Identifier","Pattern"),t=(0,o.assertNodeType)("Expression");return
function(r,i,s){if(!process.env.BABEL_TYPES_8_BREAKING)return;(0,n.default)("ObjectPattern",r)?e:t(s,"value",s.value)}()),(0,o.default)("RestElement",{visitor:["argument","typeAnnotation"],builder:["argument"],aliases:["LVal","PatternLike"],deprecatedAlias:"RestProperty",fields:Object.assign({},h,{argument:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)("Identifier","Pattern","MemberExpression"):(0,o.assertNodeType)("LVal")}}),validate(e,t){if(!process.env.BABEL_TYPES_8_BREAKING)return;const
r=/(\w+)\[(\d+)\]/.exec(t);if(!r)throw new Error("Internal Babel error: malformed key.");const[n,i]=r;if(e[n].length>i+1)throw new TypeError("RestElement must be last element of "+n)}},(0,o.default)("ReturnStatement",{visitor:["argument"],aliases:["Statement","Terminatorless","CompletionStatement"],fields:{argument:{validate:(0,o.assertNodeType)("Expression"),optional:!0}}}),
(0,o.default)("SequenceExpression",{visitor:["expressions"],fields:{expressions:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Expression"))}}},aliases:["Expression"]}),
(0,o.default)("ParenthesizedExpression",

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{ visitor:["expression"],aliases:["Expression","ExpressionWrapper"],fields:{ expression:{ validate:(0,o.assertNodeType)("Expression") } } },(0,o.default)("SwitchCase",{ visitor:["test","consequent"],fields:{ test:{ validate:(0,o.assertNodeType)("Expression"),optional:!0},consequent:{ validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Statement"))) } } },(0,o.default)("SwitchStatement",{ visitor:["discriminant","cases"],aliases:["Statement","BlockParent","Scopable"],fields:{ discriminant:{ validate:(0,o.assertNodeType)("Expression") },cases:{ validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("SwitchCase"))) } } },(0,o.default)("ThisExpression",{ aliases:["Expression"] },(0,o.default)("ThrowStatement",{ visitor:["argument"],aliases:["Statement","Terminatorless","CompletionStatement"],fields:{ argument:{ validate:(0,o.assertNodeType)("Expression") } } },(0,o.default)("TryStatement",{ visitor:["block","handler","finalizer"],aliases:["Statement"],fields:{ block:{ validate:(0,o.chain)((0,o.assertNodeType)("BlockStatement"),Object.assign((function(e){if(process.env.BABEL_TYPES_8_BREAKING&&!e.handler&&!e.finalizer)throw new TypeError("TryStatement expects either a handler or finalizer, or both"))},{oneOfNodeTypes:["BlockStatement"]}))},handler:{ optional:!0,validate:(0,o.assertNodeType)("CatchClause") },finalizer:{ optional:!0,validate:(0,o.assertNodeType)("BlockStatement") } } },(0,o.default)("UnaryExpression",{ builder:["operator","argument","prefix"],fields:{ prefix:{ default:!0},argument:{ validate:(0,o.assertNodeType)("Expression") },operator:{ validate:(0,o.assertOneOf(...a.UNARY_OPERATORS)) },visitor:["argument"],aliases:["UnaryLike","Expression"] },(0,o.default)("UpdateExpression",{ builder:["operator","argument","prefix"],fields:{ prefix:{ default:!1},argument:{ validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)("Identifier","MemberExpression):(0,o.assertNodeType)("Expression") },operator:{ validate:(0,o.assertOneOf(...a.UPDATE_OPERATORS)) },visitor:["argument"],aliases:["Expression"] },(0,o.default)("VariableDeclaration",{ builder:["kind","declarations"],visitor:["declarations"],aliases:["Statement","Declaration"],fields:{ declare:{ validate:(0,o.assertValueType)("boolean"),optional:!0},kind:{ validate:(0,o.assertOneOf("var","let","const")) },declarations:{ validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("VariableDeclarator"))) } },validate(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&(0,n.default)("ForXStatement",e,{ left:r })&&!r.declarations.length)throw new TypeError("Exactly one VariableDeclarator is required in the VariableDeclaration of a "+e.type)} } },(0,o.default)("VariableDeclarator",{ visitor:["id","init"],fields:{ id:{ validate:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(0,o.assertNodeType)("LVal");const e=(0,o.assertNodeType)("Identifier","ArrayPattern","ObjectPattern"),t=(0,o.assertNodeType)("Identifier");return function(r,n,i){(r.init?t(r,n,i))}() },definite:{ optional:!0,validate:(0,o.assertValueType)("boolean") },init:{ optional:!0,validate:(0,o.assertNodeType)("Expression") } } },(0,o.default)("WhileStatement",{ visitor:["test","body"],aliases:["Statement","BlockParent","Loop","While","Scopable"],fields:{ test:{ validate:(0,o.assertNodeType)("Expression") },body:{ validate:(0,o.assertNodeType)("Statement") } } },(0,o.default)("WithStatement",{ visitor:["object","body"],aliases:["Statement"],fields:{ object:{ validate:(0,o.assertNodeType)("Expression") },body:{ validate:(0,o.assertNodeType)("Statement") } } },(0,o.default)("AssignmentPattern",{ visitor:["left","right","decorators"],builder:["left","right"],aliases:["Pattern","PatternLike","LVal"],fields:Object.assign({ },h,{ left:{ validate:(0,o.assertNodeType)("Identifier","ObjectPattern","ArrayPattern","MemberExpression") },right:{ validate:(0,o.assertNodeType)("Expression") },decorators:{ validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))) },optional:!0 } } },(0,o.default)("ArrayPattern",{ visitor:["elements","typeAnnotation"],builder:["elements"],aliases:["Pattern","PatternLike","LVal"],fields:Object.assign({ },h,{ elements:{ validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeOrValueType)("null","PatternLike")) },decorators:{ validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))) },optional:!0 } } },(0,o.default)("ArrowFunctionExpression",{ builder:["params","body","async"],visitor:["params","body","returnType","typeParameters"],aliases:["Scopable","Function","BlockParent","FunctionParent","Expression","Pureish"],fields:Object.assign({ },p,u,{ expression:{ validate:(0,o.assertValueType)("boolean") },body:{ validate:(0,o.assertNodeType)("BlockStatement","Expression") } } },(0,o.default)("ClassBody",{ visitor:["body"],fields:{ body:{ validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("ClassMethod","ClassPrivateMethod","ClassProperty","ClassPrivateProperty","TSDeclareMethod","TSIndexSignature"))) } } },(0,o.default)("ClassExpression",{ builder:["id","superClass","body","decorators"],visitor:["id","body","superClass","mixins","typeParameters","superTypeParameters","impleme

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nts", "decorators"], aliases: ["Scopable", "Class", "Expression"], fields: { id: { validate: (0, o.assertNodeType)("Identifier"), optional: !0 }, typeParameters: { validate: (0, o.assertNodeType)("TypeParameterDeclaration", "TSTypeParameterDeclaration", "Noop"), optional: !0 }, body: { validate: (0, o.assertNodeType)("ClassBody") }, superClass: { optional: !0, validate: (0, o.assertNodeType)("Expression") }, superTypeParameters: { validate: (0, o.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"), optional: !0 }, implements: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("TSExpressionWithTypeArguments", "ClassImplements"))), optional: !0 }, decorators: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("Decorator"))), optional: !0 }, mixins: { validate: (0, o.assertNodeType)("InterfaceExtends"), optional: !0 } }, (0, o.default)("ClassDeclaration", { inherits: "ClassExpression", aliases: ["Scopable", "Class", "Statement", "Declaration"], fields: { id: { validate: (0, o.assertNodeType)("Identifier") }, typeParameters: { validate: (0, o.assertNodeType)("TypeParameterDeclaration", "TSTypeParameterDeclaration", "Noop"), optional: !0 }, body: { validate: (0, o.assertNodeType)("ClassBody") }, superClass: { optional: !0, validate: (0, o.assertNodeType)("Expression") }, superTypeParameters: { validate: (0, o.assertNodeType)("TypeParameterInstantiation", "TSTypeParameterInstantiation"), optional: !0 }, implements: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("TSExpressionWithTypeArguments", "ClassImplements"))), optional: !0 }, decorators: { validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)((0, o.assertNodeType)("Decorator"))), optional: !0 }, mixins: { validate: (0, o.assertNodeType)("InterfaceExtends"), optional: !0 }, declare: { validate: (0, o.assertValueType)("boolean"), optional: !0 }, abstract: { validate: (0, o.assertValueType)("boolean"), optional: !0 } }, validate: function () { const e = (0, o.assertNodeType)("Identifier"); return function (t, r, i) { process.env.BABEL_TYPES_8_BREAKING && ((0, n.default)("ExportDefaultDeclaration", t) | e(i, "id", i.id)) } }(), (0, o.default)("ExportAllDeclaration", { visitor: ["source"], aliases: ["Statement", "Declaration", "ModuleDeclaration", "ExportDeclaration"], fields: { source: { validate: (0, o.assertNodeType)("StringLiteral") }, assertions: { optional: !0, validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertNodeType)("ImportAttribute")) } } }, (0, o.default)("ExportDefaultDeclaration", { visitor: ["declaration"], aliases: ["Statement", "Declaration", "ModuleDeclaration", "ExportDeclaration"], fields: { declaration: { validate: (0, o.assertNodeType)("FunctionDeclaration", "TSDeclareFunction", "ClassDeclaration", "Expression") } } }, (0, o.default)("ExportNamedDeclaration", { visitor: ["declaration", "specifiers", "source"], aliases: ["Statement", "Declaration", "ModuleDeclaration", "ExportDeclaration"], fields: { declaration: { optional: !0, validate: (0, o.chain)((0, o.assertNodeType)("Declaration"), Object.assign((function (e, t, r) { if (process.env.BABEL_TYPES_8_BREAKING && r && e.specifiers.length) throw new TypeError("Only declaration or specifiers is allowed on ExportNamedDeclaration"); }, { oneOfNodeTypes: ["Declaration"] })), (function (e, t, r) { if (process.env.BABEL_TYPES_8_BREAKING && r && e.source) throw new TypeError("Cannot export a declaration from a source"); } })), assertions: { optional: !0, validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertNodeType)("ImportAttribute")) }, specifiers: { default: [], validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertEach)(function () { const e = (0, o.assertNodeType)("ExportSpecifier", "ExportDefaultSpecifier", "ExportNamespaceSpecifier"), t = (0, o.assertNodeType)("ExportSpecifier"); return process.env.BABEL_TYPES_8_BREAKING ? function (r, n, i) { (r.source ? e : t)(r, n, i) : e }() })), source: { validate: (0, o.assertNodeType)("StringLiteral"), optional: !0 }, exportKind: (0, o.validateOptional)((0, o.assertOneOf)("type", "value")) }, (0, o.default)("ExportSpecifier", { visitor: ["local", "exported"], aliases: ["ModuleSpecifier"], fields: { local: { validate: (0, o.assertNodeType)("Identifier") }, exported: { validate: (0, o.assertNodeType)("Identifier", "StringLiteral") } } }, (0, o.default)("ForOfStatement", { visitor: ["left", "right", "body"], builder: ["left", "right", "body", "await"], aliases: ["Scopable", "Statement", "For", "BlockParent", "Loop", "ForXStatement"], fields: { left: { validate: function () { if (!process.env.BABEL_TYPES_8_BREAKING) return (0, o.assertNodeType)("VariableDeclaration", "LVal"); const e = (0, o.assertNodeType)("VariableDeclaration"), t = (0, o.assertNodeType)("Identifier", "MemberExpression", "ArrayPattern", "ObjectPattern"); return function (r, i, s) { (0, n.default)("VariableDeclaration", s) ? e(r, i, s) : t(r, i, s) }() }, right: { validate: (0, o.assertNodeType)("Expression") }, body: { validate: (0, o.assertNodeType)("Statement") }, await: { default: !1 } } }, (0, o.default)("ImportDeclaration", { visitor: ["specifiers", "source"], aliases: ["Statement", "Declaration", "ModuleDeclaration"], fields: { assertions: { optional: !0, validate: (0, o.chain)((0, o.assertValueType)("array"), (0, o.assertNodeType)("ImportAttribute")) }, specifiers: { val

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idate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("ImportSpecifier","ImportDefaultSpecifier","ImportNamespaceSpecifier"))),source:{validate:(0,o.assertNodeType)("StringLiteral")},importKind:{validate:(0,o.assertOneOf)("type","typeof","value"),optional:!0}},(0,o.default)("ImportDefaultSpecifier",{visitor:["local"],aliases:["ModuleSpecifier"],fields:{local:{validate:(0,o.assertNodeType)("Identifier")}}}),0,o.default)("ImportNamespaceSpecifier",{visitor:["local"],aliases:["ModuleSpecifier"],fields:{local:{validate:(0,o.assertNodeType)("Identifier")}}}),0,o.default)("ImportSpecifier",{visitor:["local","imported"],aliases:["ModuleSpecifier"],fields:{local:{validate:(0,o.assertNodeType)("Identifier")},imported:{validate:(0,o.assertNodeType)("Identifier","StringLiteral")},importKind:{validate:(0,o.assertOneOf)("type","typeof"),optional:!0}}}),0,o.default)("MetaProperty",{visitor:["meta","property"],aliases:["Expression"],fields:{meta:{validate:(0,o.chain)((0,o.assertNodeType)("Identifier"),Object.assign((function(e,t,r){if(!process.env.BABEL_TYPES_8_BREAKING)return;let i;switch(r.name){case"function":i="sent";break;case"new":i="target";break;case"import":i="meta"}if(!(0,n.default)("Identifier",e.property,{name:i}))throw new TypeError("Unrecognised MetaProperty")}),{oneOfNodeTypes:["Identifier"]})}),property:{validate:(0,o.assertNodeType)("Identifier")}}});const
f={abstract:{validate:(0,o.assertValueType)("boolean"),optional:!0},accessibility:{validate:(0,o.assertOneOf)("public","private","protected"),optional:!0},static:{default:!1},computed:{default:!1},optional:{validate:(0,o.assertValueType)("boolean"),optional:!0},key:{validate:(0,o.chain)(function(){const
e=(0,o.assertNodeType)("Identifier","StringLiteral","NumericLiteral"),t=(0,o.assertNodeType)("Expression");return
function(r,n,i){(r.computed?t:e)(r,n,i)}(0,o.assertNodeType)("Identifier","StringLiteral","NumericLiteral","Expression"))};t.classMethodOrPropertyCommon=f;const
m=Object.assign({p,f,{kind:{validate:(0,o.assertOneOf)("get","set","method","constructor"),default:"method"},access:{validate:(0,o.chain)((0,o.assertValueType)("string"),(0,o.assertOneOf)("public","private","protected")),optional:!0},decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))),optional:!0}});t.classMethodOrDeclareMethodCommon=m,(0,o.default)("ClassMethod",{aliases:["Function","Scopable","BlockParent","FunctionParent","Method"],builder:["kind","key","params","body","computed","static","generator","async"],visitor:["key","params","body","decorators","returnType","typeParameters"],fields:Object.assign({m,u,{body:{validate:(0,o.assertNodeType)("BlockStatement")}}}),0,o.default)("ObjectPattern",{visitor:["properties","typeAnnotation","decorators"],builder:["properties"],aliases:["Pattern","PatternLike","LVal"],fields:Object.assign({h,{properties:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("RestElement","ObjectProperty"))}}}),0,o.default)("SpreadElement",{visitor:["argument"],aliases:["UnaryLike"],deprecatedAlias:"SpreadProperty",fields:{argument:{validate:(0,o.assertNodeType)("Expression")}}}),0,o.default)("Super",{aliases:["Expression"]}),0,o.default)("TaggedTemplateExpression",{visitor:["tag","quasi"],aliases:["Expression"],fields:{tag:{validate:(0,o.assertNodeType)("Expression")},quasi:{validate:(0,o.assertNodeType)("TemplateLiteral")},typeParameters:{validate:(0,o.assertNodeType)("TypeParameterInstantiation","TSTypeParameterInstantiation"),optional:!0}}}),0,o.default)("TemplateElement",{builder:["value","tail"],fields:{value:{validate:(0,o.assertShape)({raw:{validate:(0,o.assertValueType)("string")},cooked:{validate:(0,o.assertValueType)("string"),optional:!0}}),tail:{default:!1}}}),0,o.default)("TemplateLiteral",{visitor:["quasis","expressions"],aliases:["Expression","Literal"],fields:{quasis:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("TemplateElement"))},expressions:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Expression","TSType")),function(e,t,r){if(e.quasis.length!==(r.length+1))throw new
TypeError(`Number of ${e.type} quasies should be exactly one more than the number of expressions.\nExpected
${r.length+1} quasies but got
${e.quasis.length}`)}}}),0,o.default)("YieldExpression",{builder:["argument","delegate"],visitor:["argument"],aliases:["Expression","Terminatorless"],fields:{delegate:{validate:(0,o.chain)((0,o.assertValueType)("boolean"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&&!e.argument)throw new
TypeError("Property delegate of YieldExpression cannot be true if there is no
argument"))},{type:"boolean"}),default:!1},argument:{optional:!0,validate:(0,o.assertNodeType)("Expression")}}}),0,o.default)("AwaitExpression",{builder:["argument"],visitor:["argument"],aliases:["Expression","Terminatorless

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    ],fields:{argument:{validate:(0,o.assertNodeType)("Expression")}}}),
(0,o.default)("Import",{aliases:["Expression"]}),
(0,o.default)("BigIntLiteral",{builder:["value"],fields:{value:{validate:(0,o.assertValueType)("string")}},aliases:["Expression","Pureish","Literal","Immutable"]}),
(0,o.default)("ExportNamespaceSpecifier",{visitor:["exported"],aliases:["ModuleSpecifier"],fields:{exported:{validate:(0,o.assertNodeType)("Identifier")}}}),
(0,o.default)("OptionalMemberExpression",{builder:["object","property","computed","optional"],visitor:["object","property"],aliases:["Expression"],fields:{object:{validate:(0,o.assertNodeType)("Expression")},property:{validate:function(){const e=(0,o.assertNodeType)("Identifier"),t=(0,o.assertNodeType)("Expression"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return r.oneOfNodeTypes=["Expression","Identifier"],r()}}},computed:{default:!1},optional:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.chain)((0,o.assertValueType)("boolean"),(0,o.assertOptionalChainStart)):
(0,o.assertValueType)("boolean")}}}),
(0,o.default)("OptionalCallExpression",{visitor:["callee","arguments","typeParameters","typeArguments"],builder:["callee","arguments","optional"],aliases:["Expression"],fields:{callee:{validate:(0,o.assertNodeType)("Expression")},arguments:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Expression","SpreadElement","JSXNamespacedName"))},optional:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.chain)((0,o.assertValueType)("boolean"),(0,o.assertOptionalChainStart)):
(0,o.assertValueType)("boolean")},typeArguments:{validate:(0,o.assertNodeType)("TypeParameterInstantiation"),optional:!0},typeParameters:{validate:(0,o.assertNodeType)("TSTypeParameterInstantiation"),optional:!0}}}),function(e,t,r){
"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(e===t)return!0;if(n.ALIAS_KEYS[t])return!1;const r=n.FLIPPED_ALIAS_KEYS[t];if(r){if(r[0]===e)return!0;for(const t of r)if(e===t)return!0}return!1};var n=r(5),function(e,t,r){
"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!e)return;const a=n.NODE_FIELDS[e.type];if(!a)return;const o=a[t];i(e,t,r,o),s(e,t,r),t.validateField=i,t.validateChild=s;var n=r(5);function i(e,t,r,n){(null===n?void 0:n.validate)&&(n.optional&&null===r||n.validate(e,t,r))}function s(e,t,r){if(null===r)return;const i=n.NODE_PARENT_VALIDATIONS[r.type];i&&i(e,t,r)},function(e,t,r){
"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){t&&r&&(t[e]=Array.from(new Set([].concat(t[e],r[e]).filter(Boolean))))},function(e,t,r){
"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const r=Object.keys(t);for(const n of r)if(e[n]!==t[n])return!1;return!0},function(e,t,r){
"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.classMethodOrDeclareMethodCommon=t.classMethodOrPropertyCommon=t.patternLikeCommon=t.functionDeclarationCommon=t.functionTypeAnnotationCommon=t.functionCommon=void 0;var n=r(36),i=r(24),s=r(19),a=r(15),o=r(10);(0,o.default)("ArrayExpression",{fields:{elements:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeOrValueType)("null","Expression","SpreadElement"))},default:process.env.BABEL_TYPES_8_BREAKING?void 0:[]}},visitor:["elements"],aliases:["Expression"]}),
(0,o.default)("AssignmentExpression",{fields:{operator:{validate:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(0,o.assertValueType)("string");const e=(0,o.assertOneOf)(...a.ASSIGNMENT_OPERATORS),t=(0,o.assertOneOf)("=");return function(r,i,s){((0,n.default)("Pattern",r.left)?t:e)(r,i,s)}(),left:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)("Identifier","MemberExpression","ArrayPattern","ObjectPattern"):
(0,o.assertNodeType)("LVal")},right:{validate:(0,o.assertNodeType)("Expression")}},builder:["operator","left","right"],visitor:["left","right"],aliases:["Expression"]}),
(0,o.default)("BinaryExpression",{builder:["operator","left","right"],fields:{operator:{validate:(0,o.assertOneOf)(...a.BINARY_OPERATORS)},left:{validate:function(){const e=(0,o.assertNodeType)("Expression"),t=(0,o.assertNodeType)("Expression","PrivateName"),r=function(r,n,i){("in"===r.operator?t:e)(r,n,i)};return r.oneOfNodeTypes=["Expression","PrivateName"],r()}}},right:{validate:(0,o.assertNodeType)("Expression")}},visitor:["left","right"],aliases:["Binary","Expression"]}),
(0,o.default)("InterpreterDirective",{builder:["value"],fields:{value:{validate:(0,o.assertValueType)("string")}}}),
(0,o.default)("Directive",{visitor:["value"],fields:{value:{validate:

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(0,o.assertNodeType)("DirectiveLiteral"))})),(0,o.default)("DirectiveLiteral",{builder:["value"],fields:{value:{validate:(0,o.assertValueType)("string")}}}),
(0,o.default)("BlockStatement",{builder:["body","directives"],visitor:["directives","body"],fields:{directives:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Directive"))},default:[],body:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Statement"))}},aliases:["Scopable","BlockParent","Block","Statement"]}),
(0,o.default)("BreakStatement",{visitor:["label"],fields:{label:{validate:(0,o.assertNodeType)("Identifier"),optional:!0}},aliases:["Statement","Terminatorless","CompletionStatement"]}),
(0,o.default)("CallExpression",{visitor:["callee","arguments","typeParameters","typeArguments"],builder:["callee","arguments"],aliases:["Expression"],fields:Object.assign({callee:{validate:(0,o.assertNodeType)("Expression","V8IntrinsicIdentifier")},arguments:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Expression","SpreadElement","JSXNamespacedName","ArgumentPlaceholder"))}},process.env.BABEL_TYPES_8_BREAKING?{optional:{validate:(0,o.assertOneOf)(0,!1),optional:!0}},{typeArguments:{validate:(0,o.assertNodeType)("TypeParameterInstantiation"),optional:!0},typeParameters:{validate:(0,o.assertNodeType)("TSTypeParameterInstantiation"),optional:!0}}}),
(0,o.default)("CatchClause",{visitor:["param","body"],fields:{param:{validate:(0,o.assertNodeType)("Identifier","ArrayPattern","ObjectPattern"),optional:!0},body:{validate:(0,o.assertNodeType)("BlockStatement")}},aliases:["Scopable","BlockParent"]}),
(0,o.default)("ConditionalExpression",{visitor:["test","consequent","alternate"],fields:{test:{validate:(0,o.assertNodeType)("Expression")},consequent:{validate:(0,o.assertNodeType)("Expression")},alternate:{validate:(0,o.assertNodeType)("Expression")}},aliases:["Expression","Conditional"]}),
(0,o.default)("ContinueStatement",{visitor:["label"],fields:{label:{validate:(0,o.assertNodeType)("Identifier"),optional:!0}},aliases:["Statement","Terminatorless","CompletionStatement"]}),
(0,o.default)("DebuggerStatement",{aliases:["Statement"]}),
(0,o.default)("DoWhileStatement",{visitor:["test","body"],fields:{test:{validate:(0,o.assertNodeType)("Expression")},body:{validate:(0,o.assertNodeType)("Statement")}},aliases:["Statement","BlockParent","Loop","While","Scopable"]}),
(0,o.default)("EmptyStatement",{aliases:["Statement"]}),
(0,o.default)("ExpressionStatement",{visitor:["expression"],fields:{expression:{validate:(0,o.assertNodeType)("Expression")}},aliases:["Statement","ExpressionWrapper"]}),
(0,o.default)("File",{builder:["program","comments","tokens"],visitor:["program"],fields:{program:{validate:(0,o.assertNodeType)("Program")},comments:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertEach)((0,o.assertNodeType)("CommentBlock","CommentLine")):Object.assign(=>{},{each:{oneOfNodeTypes:["CommentBlock","CommentLine"]}}),optional:!0},tokens:{validate:(0,o.assertEach)(Object.assign(=>{},{type:"any"})),optional:!0}}}),
(0,o.default)("ForInStatement",{visitor:["left","right","body"],aliases:["Scopable","Statement","For","BlockParent","Loop","ForXStatement"],fields:{left:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)("VariableDeclaration","Identifier","MemberExpression","ArrayPattern","ObjectPattern"):(0,o.assertNodeType)("VariableDeclaration","LVal")},right:{validate:(0,o.assertNodeType)("Expression")},body:{validate:(0,o.assertNodeType)("Statement")}}}),
(0,o.default)("ForStatement",{visitor:["init","test","update","body"],aliases:["Scopable","Statement","For","BlockParent","Loop"],fields:{init:{validate:(0,o.assertNodeType)("VariableDeclaration","Expression"),optional:!0},test:{validate:(0,o.assertNodeType)("Expression"),optional:!0},update:{validate:(0,o.assertNodeType)("Expression"),optional:!0},body:{validate:(0,o.assertNodeType)("Statement")}}});const l={params:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Identifier","Pattern","RestElement","TSPParameterProperty"))},generator:{default:!1},async:{default:!1}};t.functionCommon=l;const c={returnType:{validate:(0,o.assertNodeType)("TypeAnnotation","TSTypeAnnotation","Noop"),optional:!0},typeParameters:{validate:(0,o.assertNodeType)("TypeParameterDeclaration","TSTypeParameterDeclaration","Noop"),optional:!0}};t.functionTypeAnnotationCommon=c;const p=Object.assign({},l,{declare:{validate:(0,o.assertValueType)("boolean"),optional:!0},id:{validate:(0,o.assertNodeType)("Identifier"),optional:!0}});t.functionDeclarationCommon=p,(0,o.default)("FunctionDeclaration",{builder:["id","params","body","generator","async"],visitor:["id","params","body","returnType","typeParameters"],fields:Object.assign({},p,c,{body:{validate:(0,o.assertNodeType)("BlockStatement")}}),aliases:["Scopable","Function","BlockParent","FunctionParent","Statement","Pureish","Declaration"],validate:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(=>{}});const e=(0,o.assertNodeType)("Identifier");return

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function(t,r,i){(0,n.default)("ExportDefaultDeclaration",t)||e(i,"id",i.id)}),0,o.default)("FunctionExpression",{in
herits:"FunctionDeclaration",aliases:["Scopable","Function","BlockParent","FunctionParent","Expression","Pureish
"],fields:Object.assign({},l,c,{id:{validate:(0,o.assertNodeType)("Identifier"),optional:!0},body:{validate:(0,o.assert
NodeType)("BlockStatement")}}));const
u={typeAnnotation:{validate:(0,o.assertNodeType)("TypeAnnotation","TSTypeAnnotation","Noop"),optional:!0},d
ecorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))
)};t.patternLikeCommon=u,(0,o.default)("Identifier",{builder:["name"],visitor:["typeAnnotation","decorators"],alia
ses:["Expression","PatternLike","LVal","TSEntityName"],fields:Object.assign({},u,{name:{validate:(0,o.chain)((0,
o.assertValueType)("string"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&!(0,i
.default)(r,!1))throw new TypeError(`"${r}" is not a valid identifier
name`)}),{type:"string"}))),optional:{validate:(0,o.assertValueType)("boolean"),optional:!0}},validate(e,t,r){if(!pr
ocess.env.BABEL_TYPES_8_BREAKING)return;const
i=/(w+)\$/&&.exec(t);if(!i)return;const[a]=i,o={computed:!1};if("property"===a){if((0,n.default)("MemberExpressio
n",e,o))return;if((0,n.default)("OptionalMemberExpression",e,o))return}else
if("key"===a){if((0,n.default)("Property",e,o))return;if((0,n.default)("Method",e,o))return}else
if("exported"===a){if((0,n.default)("ExportSpecifier",e))return}else
if("imported"===a){if((0,n.default)("ImportSpecifier",e,{imported:r}))return}else
if("meta"===a&&(0,n.default)("MetaProperty",e,{meta:r}))return;if(((0,s.isKeyword)(r.name)||0,s.isReservedWord
)(r.name,!1))&&"this"!==r.name)throw new TypeError(`"${r.name}" is not a valid
identifier`)}),0,o.default)("IfStatement",{visitor:["test","consequent","alternate"],aliases:["Statement","Conditiona
l"],fields:{test:{validate:(0,o.assertNodeType)("Expression")},consequent:{validate:(0,o.assertNodeType)("Statemen
t")},alternate:{optional:!0,validate:(0,o.assertNodeType)("Statement")}}),(0,o.default)("LabeledStatement",{visit
or:["label","body"],aliases:["Statement"],fields:{label:{validate:(0,o.assertNodeType)("Identifier")},body:{validate:(
0,o.assertNodeType)("Statement")}}),(0,o.default)("StringLiteral",{builder:["value"],fields:{value:{validate:(0,o.as
sertValueType)("string")}},aliases:["Expression","Pureish","Literal","Immutable"]),(0,o.default)("NumericLiteral"
,{builder:["value"],deprecatedAlias:"NumberLiteral",fields:{value:{validate:(0,o.assertValueType)("number")}},ali
ases:["Expression","Pureish","Literal","Immutable"]),(0,o.default)("NullLiteral",{aliases:["Expression","Pureish","
Literal","Immutable"]),(0,o.default)("BooleanLiteral",{builder:["value"],fields:{value:{validate:(0,o.assertValueTy
pe)("boolean")}},aliases:["Expression","Pureish","Literal","Immutable"]),(0,o.default)("RegExpLiteral",{builder:[
"pattern","flags"],deprecatedAlias:"RegexLiteral",aliases:["Expression","Pureish","Literal"],fields:{pattern:{validate
:(0,o.assertValueType)("string")},flags:{validate:(0,o.chain)((0,o.assertValueType)("string"),Object.assign((function
(e,t,r){if(!process.env.BABEL_TYPES_8_BREAKING)return;const n=/^[gimsuy]/&&.exec(r);if(n)throw new
TypeError(`"${n[0]}" is not a valid RegExp
flag`)}),{type:"string"})),default:""}))),(0,o.default)("LogicalExpression",{builder:["operator","left","right"],visitor
:["left","right"],aliases:["Binary","Expression"],fields:{operator:{validate:(0,o.assertOneOf)(...a.LOGICAL_OPER
ATORS)},left:{validate:(0,o.assertNodeType)("Expression")},right:{validate:(0,o.assertNodeType)("Expression")
}}),(0,o.default)("MemberExpression",{builder:["object","property","computed","optional"],visitor:["object","prope
rty"],aliases:["Expression","LVal"],fields:Object.assign({object:{validate:(0,o.assertNodeType)("Expression")},pro
perty:{validate:function(){const
e=(0,o.assertNodeType)("Identifier","PrivateName"),t=(0,o.assertNodeType)("Expression"),r=function(r,n,i){(r.com
puted?t:e)(r,n,i)};return
r.oneOfNodeTypes=["Expression","Identifier","PrivateName"],r}),computed:{default:!1}},process.env.BABEL_
TYPES_8_BREAKING?{}:{optional:{validate:(0,o.assertOneOf)(!0,!1),optional:!0}})),(0,o.default)("NewExpres
sion",{inherits:"CallExpression"}),(0,o.default)("Program",{visitor:["directives","body"],builder:["body","directives
","sourceType","interpreter"],fields:{sourceFile:{validate:(0,o.assertValueType)("string")},sourceType:{validate:(0,
o.assertOneOf)("script","module"),default:"script"},interpreter:{validate:(0,o.assertNodeType)("InterpreterDirective
"),default:null,optional:!0},directives:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.asse
rtNodeType)("Directive"))),default:[]},body:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((

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0,o.assertNodeType("Statement"))} },aliases:["Scopable","BlockParent","Block"]}),
(0,o.default)("ObjectExpression",{visitor:["properties"],aliases:["Expression"],fields:{properties:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("ObjectMethod","ObjectProperty","SpreadElement")))}},(0,o.default)("ObjectMethod",{builder:["kind","key","params","body","computed","generator","async"],fields:Object.assign({},l,c,{kind:Object.assign({validate:(0,o.assertOneOf)("method","get","set")},process.env.BABEL_TYPES_8_BREAKING?{}:{default:"method"}),computed:{default:!1},key:{validate:function(){const e=(0,o.assertNodeType)("Identifier","StringLiteral","NumericLiteral"),t=(0,o.assertNodeType)("Expression"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return r.oneOfNodeTypes=["Expression","Identifier","StringLiteral","NumericLiteral"],r()}},decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))),optional:!0},body:{validate:(0,o.assertNodeType)("BlockStatement")}},visitor:["key","params","body","decorators","returnType","typeParameters"],aliases:["UserWhitespacable","Function","Scopable","BlockParent","FunctionParent","Method","ObjectMember"]}),
(0,o.default)("ObjectProperty",{builder:["key","value","computed","shorthand",...process.env.BABEL_TYPES_8_BREAKING?{}:["decorators"]],fields:{computed:{default:!1},key:{validate:function(){const e=(0,o.assertNodeType)("Identifier","StringLiteral","NumericLiteral"),t=(0,o.assertNodeType)("Expression"),r=function(r,n,i){(r.computed?t:e)(r,n,i)};return r.oneOfNodeTypes=["Expression","Identifier","StringLiteral","NumericLiteral"],r()}},value:{validate:(0,o.assertNodeType)("Expression","PatternLike")},shorthand:{validate:(0,o.chain)((0,o.assertValueType)("boolean"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&r&&e.computed)throw new TypeError("Property shorthand of ObjectProperty cannot be true if computed is true"))},{type:"boolean"}),(function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&!(0,n.default)("Identifier",e.key))throw new TypeError("Property shorthand of ObjectProperty cannot be true if key is not an Identifier"))},default:!1},decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))),optional:!0}},visitor:["key","value","decorators"],aliases:["UserWhitespacable","Property","ObjectMember"],validate:function(){const e=(0,o.assertNodeType)("Identifier","Pattern"),t=(0,o.assertNodeType)("Expression");return function(r,i,s){if(!process.env.BABEL_TYPES_8_BREAKING)return;(0,n.default)("ObjectPattern",r)?e:t}(s,"value",s.value)}},(0,o.default)("RestElement",{visitor:["argument","typeAnnotation"],builder:["argument"],aliases:["LVal","PatternLike"],deprecatedAlias:"RestProperty",fields:Object.assign({},u,{argument:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)("Identifier","Pattern","MemberExpression"):(0,o.assertNodeType)("LVal")}},validate(e,t){if(!process.env.BABEL_TYPES_8_BREAKING)return;const r=/(\w+)\[(\d+)\]/.exec(t);if(!r)throw new Error("Internal Babel error: malformed key.");const[n,i]=r;if(e[n].length>i+1)throw new TypeError("RestElement must be last element of "+n)}},(0,o.default)("ReturnStatement",{visitor:["argument"],aliases:["Statement","Terminatorless","CompletionStatement"],fields:{argument:{validate:(0,o.assertNodeType)("Expression"),optional:!0}}},(0,o.default)("SequenceExpression",{visitor:["expressions"],fields:{expressions:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Expression"))}},aliases:["Expression"]}),
(0,o.default)("ParenthesizedExpression",{visitor:["expression"],aliases:["Expression","ExpressionWrapper"],fields:{expression:{validate:(0,o.assertNodeType)("Expression")}}},(0,o.default)("SwitchCase",{visitor:["test","consequent"],fields:{test:{validate:(0,o.assertNodeType)("Expression"),optional:!0},consequent:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Statement"))}},(0,o.default)("SwitchStatement",{visitor:["discriminant","cases"],aliases:["Statement","BlockParent","Scopable"],fields:{discriminant:{validate:(0,o.assertNodeType)("Expression")},cases:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("SwitchCase"))}},(0,o.default)("ThisExpression",{aliases:["Expression"]}),
(0,o.default)("ThrowStatement",{visitor:["argument"],aliases:["Statement","Terminatorless","CompletionStatement"],fields:{argument:{validate:(0,o.assertNodeType)("Expression")}}},(0,o.default)("TryStatement",{visitor:["block","handler","finalizer"],aliases:["Statement"],fields:{block:{validate:(0,o.chain)((0,o.assertNodeType)("BlockStatement"),Object.assign((function(e){if(process.env.BABEL_TYPES_8_BREAKING&&!e.handler&&!e.finalizer)throw new TypeError("TryStatement expects either a handler or

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finalizer, or

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both"))},{oneOfNodeTypes:["BlockStatement"])})),handler:{optional:!0,validate:(0,o.assertNodeType)("CatchClause")},finalizer:{optional:!0,validate:(0,o.assertNodeType)("BlockStatement")}},(0,o.default)("UnaryExpression",{builder:["operator","argument","prefix"],fields:{prefix:{default:!0},argument:{validate:(0,o.assertNodeType)("Expression")},operator:{validate:(0,o.assertOneOf(...a.UNARY_OPERATORS))},visitor:["argument"],aliases:["UnaryLike","Expression"]}), (0,o.default)("UpdateExpression",{builder:["operator","argument","prefix"],fields:{prefix:{default:!1},argument:{validate:process.env.BABEL_TYPES_8_BREAKING?(0,o.assertNodeType)("Identifier","MemberExpression"):(0,o.assertNodeType)("Expression")},operator:{validate:(0,o.assertOneOf(...a.UPDATE_OPERATORS))},visitor:["argument"],aliases:["Expression"]}), (0,o.default)("VariableDeclaration",{builder:["kind","declarations"],visitor:["declarations"],aliases:["Statement","Declaration"],fields:{declare:{validate:(0,o.assertValueType)("boolean"),optional:!0},kind:{validate:(0,o.assertOneOf("var","let","const"))},declarations:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("VariableDeclarator"))}},validate(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&(0,n.default)("ForXStatement",e,{left:r})&&1!==(r.declarations.length)throw new TypeError("Exactly one VariableDeclarator is required in the VariableDeclaration of a "+e.type)})),(0,o.default)("VariableDeclarator",{visitor:["id","init"],fields:{id:{validate:function(){if(!process.env.BABEL_TYPES_8_BREAKING)return(0,o.assertNodeType)("LVal");const e=(0,o.assertNodeType)("Identifier","ArrayPattern","ObjectPattern"),t=(0,o.assertNodeType)("Identifier");return function(r,n,i){(r.init?e:t)(r,n,i)}()}},definite:{optional:!0,validate:(0,o.assertValueType)("boolean")},init:{optional:!0,validate:(0,o.assertNodeType)("Expression")}}}), (0,o.default)("WhileStatement",{visitor:["test","body"],aliases:["Statement","BlockParent","Loop","While","Scopable"],fields:{test:{validate:(0,o.assertNodeType)("Expression")},body:{validate:(0,o.assertNodeType)("Statement")}}}), (0,o.default)("WithStatement",{visitor:["object","body"],aliases:["Statement"],fields:{object:{validate:(0,o.assertNodeType)("Expression")},body:{validate:(0,o.assertNodeType)("Statement")}}}), (0,o.default)("AssignmentPattern",{visitor:["left","right","decorators"],builder:["left","right"],aliases:["Pattern","PatternLike","LVal"],fields:Object.assign({},u,{left:{validate:(0,o.assertNodeType)("Identifier","ObjectPattern","ArrayPattern","MemberExpression")},right:{validate:(0,o.assertNodeType)("Expression")},decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))}),optional:!0})),(0,o.default)("ArrayPattern",{visitor:["elements","typeAnnotation"],builder:["elements"],aliases:["Pattern","PatternLike","LVal"],fields:Object.assign({},u,{elements:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeOrValueType)("null","PatternLike"))},decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))}),optional:!0})),(0,o.default)("ArrowFunctionExpression",{builder:["params","body","async"],visitor:["params","body","returnType","typeParameters"],aliases:["Scopable","Function","BlockParent","FunctionParent","Expression","Pureish"],fields:Object.assign({},l,c,{expression:{validate:(0,o.assertValueType)("boolean")},body:{validate:(0,o.assertNodeType)("BlockStatement","Expression")}}}), (0,o.default)("ClassBody",{visitor:["body"],fields:{body:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("ClassMethod","ClassPrivateMethod","ClassProperty","ClassPrivateProperty","TSDeclareMethod","TSIndexSignature"))}}}), (0,o.default)("ClassExpression",{builder:["id","superClass","body","decorators"],visitor:["id","body","superClass","mixins","typeParameters","superTypeParameters","implements","decorators"],aliases:["Scopable","Class","Expression"],fields:{id:{validate:(0,o.assertNodeType)("Identifier")},optional:!0,typeParameters:{validate:(0,o.assertNodeType)("TypeParameterDeclaration","TSTypeParameterDeclaration","Noop"),optional:!0},body:{validate:(0,o.assertNodeType)("ClassBody")},superClass:{optional:!0,validate:(0,o.assertNodeType)("Expression")},superTypeParameters:{validate:(0,o.assertNodeType)("TypeParameterInstantiation","TSTypeParameterInstantiation"),optional:!0},implements:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("TSExpressionWithTypeArguments","ClassImplements"))},optional:!0},decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decorator"))},optional:!0},mixins:{validate:(0,o.assertNodeType)("InterfaceExtends"),optional:!0}}}), (0,o.default)("ClassDeclaration",{inherits:"ClassExpression",aliases:["Scopable","Class","Statement","Declaration"],fields:{id:{validate:(0,o.assertNodeType)("Identifier")},typeParameters:{validate:(0,o.assertNodeType)("TypeParameterDeclaration","TSTypeParameterDeclaration","Noop"),optional:!0},body:{validate:(0,o.assertNodeType)("ClassBody")},superClass:{opti
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onal:!0,validate:(0,o.assertNodeType)("Expression")),superTypeParameters:{ validate:(0,o.assertNodeType)("TypeP
arameterInstantiation","TSTypeParameterInstantiation"),optional:!0},implements:{ validate:(0,o.chain)((0,o.assertVa
lueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("TSExpressionWithTypeArguments","ClassImplements"))
),optional:!0},decorators:{ validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeTyp
e)("Decorator"))},optional:!0},mixins:{ validate:(0,o.assertNodeType)("InterfaceExtends"),optional:!0},declare:{ valid
ate:(0,o.assertValueType)("boolean"),optional:!0},abstract:{ validate:(0,o.assertValueType)("boolean"),optional:!0}
,validate:function(){const e=(0,o.assertNodeType)("Identifier");return
function(t,r,i){process.env.BABEL_TYPES_8_BREAKING&&&((0,n.default)("ExportDefaultDeclaration",t)||e(i,"id
",i.id))}()}),(0,o.default)("ExportAllDeclaration",{ visitor:["source"],aliases:["Statement","Declaration","ModuleDe
claration","ExportDeclaration"],fields:{ source:{ validate:(0,o.assertNodeType)("StringLiteral")},exportKind:(0,o.val
idateOptional)((0,o.assertOneOf)("type","value")),assertions:{ optional:!0,validate:(0,o.chain)((0,o.assertValueType)
("array"),(0,o.assertEach)((0,o.assertNodeType)("ImportAttribute"))}}}), (0,o.default)("ExportDefaultDeclaration",
{ visitor:["declaration"],aliases:["Statement","Declaration","ModuleDeclaration","ExportDeclaration"],fields:{ declar
ation:{ validate:(0,o.assertNodeType)("FunctionDeclaration","TSDeclareFunction","ClassDeclaration","Expression"
)}}}), (0,o.default)("ExportNamedDeclaration",{ visitor:["declaration","specifiers","source"],aliases:["Statement","D
eclaration","ModuleDeclaration","ExportDeclaration"],fields:{ declaration:{ optional:!0,validate:(0,o.chain)((0,o.asse
rtNodeType)("Declaration"),Object.assign((function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&&e.specifiers.length)throw new TypeError("Only declaration or specifiers is allowed on
ExportNamedDeclaration"))},{ oneOfNodeTypes:["Declaration"]}),(function(e,t,r){if(process.env.BABEL_TYPES_
8_BREAKING&&&e.source)throw new TypeError("Cannot export a declaration from a
source"))}}),assertions:{ optional:!0,validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assert
NodeType)("ImportAttribute"))},specifiers:{ default:[],validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.asse
rtEach)(function(){const
e=(0,o.assertNodeType)("ExportSpecifier","ExportDefaultSpecifier","ExportNamespaceSpecifier"),t=(0,o.assertNo
deType)("ExportSpecifier");return
process.env.BABEL_TYPES_8_BREAKING?function(r,n,i){(r.source?t(r,n,i):e)}()),source:{ validate:(0,o.asse
rtNodeType)("StringLiteral"),optional:!0},exportKind:(0,o.validateOptional)((0,o.assertOneOf)("type","value"))},
(0,o.default)("ExportSpecifier",{ visitor:["local","exported"],aliases:["ModuleSpecifier"],fields:{ local:{ validate:(0,o.
assertNodeType)("Identifier"),exported:{ validate:(0,o.assertNodeType)("Identifier","StringLiteral")}}}), (0,o.defau
lt)("ForOfStatement",{ visitor:["left","right","body"],builder:["left","right","body","await"],aliases:["Scopable","Stat
ement","For","BlockParent","Loop","ForXStatement"],fields:{ left:{ validate:function(){if(!process.env.BABEL_TY
PES_8_BREAKING)return(0,o.assertNodeType)("VariableDeclaration","LVal");const
e=(0,o.assertNodeType)("VariableDeclaration"),t=(0,o.assertNodeType)("Identifier","MemberExpression","ArrayPa
ttern","ObjectPattern");return
function(r,i,s){(0,n.default)("VariableDeclaration",s)?e(r,i,s):t(r,i,s)}()}},right:{ validate:(0,o.assertNodeType)("Expr
ession")},body:{ validate:(0,o.assertNodeType)("Statement")},await:{ default:!1}}}), (0,o.default)("ImportDeclaratio
n",{ visitor:["specifiers","source"],aliases:["Statement","Declaration","ModuleDeclaration"],fields:{ assertions:{ optio
nal:!0,validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("ImportAttribute"
))},specifiers:{ validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("ImportSp
ecifier","ImportDefaultSpecifier","ImportNamespaceSpecifier"))},source:{ validate:(0,o.assertNodeType)("StringLi
teral")},importKind:{ validate:(0,o.assertOneOf)("type","typeof","value"),optional:!0}}}), (0,o.default)("ImportDefa
ultSpecifier",{ visitor:["local"],aliases:["ModuleSpecifier"],fields:{ local:{ validate:(0,o.assertNodeType)("Identifier"
)}}}), (0,o.default)("ImportNamespaceSpecifier",{ visitor:["local"],aliases:["ModuleSpecifier"],fields:{ local:{ validate
:(0,o.assertNodeType)("Identifier")}}}), (0,o.default)("ImportSpecifier",{ visitor:["local","imported"],aliases:["Modu
leSpecifier"],fields:{ local:{ validate:(0,o.assertNodeType)("Identifier")},imported:{ validate:(0,o.assertNodeType)("I
dentifier","StringLiteral")},importKind:{ validate:(0,o.assertOneOf)("type","typeof"),optional:!0}}}), (0,o.default)("
MetaProperty",{ visitor:["meta","property"],aliases:["Expression"],fields:{ meta:{ validate:(0,o.chain)((0,o.assertNode
Type)("Identifier"),Object.assign((function(e,t,r){if(!process.env.BABEL_TYPES_8_BREAKING)return;let

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i;switch(r.name){case"function":i="sent";break;case"new":i="target";break;case"import":i="meta"}if(!(0,n.default)(
"Identifier",e.property,{name:i}))throw new TypeError("Unrecognised
MetaProperty")),{"oneOfNodeTypes":["Identifier"]}),property:{validate:(0,o.assertNodeType)("Identifier")}});co
nst
d={abstract:{validate:(0,o.assertValueType)("boolean"),optional:!0},accessibility:{validate:(0,o.assertOneOf)("publ
ic","private","protected"),optional:!0},static:{default:!1},override:{default:!1},computed:{default:!1},optional:{vali
date:(0,o.assertValueType)("boolean"),optional:!0},key:{validate:(0,o.chain)(function(){const
e=(0,o.assertNodeType)("Identifier","StringLiteral","NumericLiteral"),t=(0,o.assertNodeType)("Expression");return
function(r,n,i){(r.computed?t:e)(r,n,i)}(),(0,o.assertNodeType)("Identifier","StringLiteral","NumericLiteral","Expr
ession"))}};t.classMethodOrPropertyCommon=d;const
h=Object.assign({,l,d,{kind:{validate:(0,o.assertOneOf)("get","set","method","constructor"),default:"method"},acc
ess:{validate:(0,o.chain)((0,o.assertValueType)("string"),(0,o.assertOneOf)("public","private","protected")),optional
:!0},decorators:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Decora
tor"))},optional:!0});t.classMethodOrDeclareMethodCommon=h,(0,o.default)("ClassMethod",{aliases:["Function",
"Scopable","BlockParent","FunctionParent","Method"],builder:["kind","key","params","body","computed","static",
"generator","async"],visitor:["key","params","body","decorators","returnType","typeParameters"],fields:Object.assi
gn({,h,c,{body:{validate:(0,o.assertNodeType)("BlockStatement")}}}),0,o.default)("ObjectPattern",{visitor:["pro
perties","typeAnnotation","decorators"],builder:["properties"],aliases:["Pattern","PatternLike","LVal"],fields:Object.
assign({,u,{properties:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)(
"RestElement","ObjectProperty"))}}}),0,o.default)("SpreadElement",{visitor:["argument"],aliases:["UnaryLike"],
deprecatedAlias:"SpreadProperty",fields:{argument:{validate:(0,o.assertNodeType)("Expression")}}}),0,o.default)
("Super",{aliases:["Expression"]}),0,o.default)("TaggedTemplateExpression",{visitor:["tag","quasi"],aliases:["Expr
ession"],fields:{tag:{validate:(0,o.assertNodeType)("Expression")},quasi:{validate:(0,o.assertNodeType)("Template
Literal")},typeParameters:{validate:(0,o.assertNodeType)("TypeParameterInstantiation","TSTypeParameterInstanti
ation"),optional:!0}}}),0,o.default)("TemplateElement",{builder:["value","tail"],fields:{value:{validate:(0,o.assertS
hape)(raw:{validate:(0,o.assertValueType)("string")},cooked:{validate:(0,o.assertValueType)("string"),optional:!0
}}),tail:{default:!1}}}),0,o.default)("TemplateLiteral",{visitor:["quasis","expressions"],aliases:["Expression","Lit
eral"],fields:{quasis:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNodeType)("Te
mplateElement"))},expressions:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.assertNo
deType)("Expression","TSType")),function(e,t,r){if(e.quasis.length!=r.length+1)throw new TypeError(`Number
of ${e.type} quasis should be exactly one more than the number of expressions.\nExpected ${r.length+1} quasis but
got
${e.quasis.length}`)}}}),0,o.default)("YieldExpression",{builder:["argument","delegate"],visitor:["argument"],a
liases:["Expression","Terminatorless"],fields:{delegate:{validate:(0,o.chain)((0,o.assertValueType)("boolean"),Obj
ect.assign(function(e,t,r){if(process.env.BABEL_TYPES_8_BREAKING&&&&!e.argument)throw new
TypeError("Property delegate of YieldExpression cannot be true if there is no
argument"))},{type:"boolean"}},default:!1},argument:{optional:!0,validate:(0,o.assertNodeType)("Expression")}}
),0,o.default)("AwaitExpression",{builder:["argument"],visitor:["argument"],aliases:["Expression","Terminatorless
"],fields:{argument:{validate:(0,o.assertNodeType)("Expression")}}}),0,o.default)("Import",{aliases:["Expression"
]}),0,o.default)("BigIntLiteral",{builder:["value"],fields:{value:{validate:(0,o.assertValueType)("string")}},aliases:
["Expression","Pureish","Literal","Immutable"]}),0,o.default)("ExportNamespaceSpecifier",{visitor:["exported"],al
iases:["ModuleSpecifier"],fields:{exported:{validate:(0,o.assertNodeType)("Identifier")}}}),0,o.default)("Optional
MemberExpression",{builder:["object","property","computed","optional"],visitor:["object","property"],aliases:["Ex
pression"],fields:{object:{validate:(0,o.assertNodeType)("Expression")},property:{validate:function(){const
e=(0,o.assertNodeType)("Identifier"),t=(0,o.assertNodeType)("Expression"),r=function(r,n,i){(r.computed?t:e)(r,n,i)
}};return
r.oneOfNodeTypes=["Expression","Identifier"],r}(),computed:{default:!1},optional:{validate:process.env.BABEL
_TYPES_8_BREAKING?(0,o.chain)((0,o.assertValueType)("boolean"),(0,o.assertOptionalChainStart)):0,o.assert

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ValueType)("boolean"))})),(0,o.default)("OptionalCallExpression",{visitor:["callee","arguments","typeParameters",
,"typeArguments"],builder:["callee","arguments","optional"],aliases:["Expression"],fields:{callee:{validate:(0,o.asser
rtNodeType)("Expression")},arguments:{validate:(0,o.chain)((0,o.assertValueType)("array"),(0,o.assertEach)((0,o.a
ssertNodeType)("Expression","SpreadElement","JSXNamespacedName","ArgumentPlaceholder"))},optional:{vali
date:process.env.BABEL_TYPES_8_BREAKING?(0,o.chain)((0,o.assertValueType)("boolean"),(0,o.assertOptiona
lChainStart)):0},typeArguments:{validate:(0,o.assertNodeType)("TypeParameterI
nstantiation"),optional:!0},typeParameters:{validate:(0,o.assertNodeType)("TSTypeParameterInstantiation"),option
al:!0}}}),function(e,t,r){
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(e===t)return!0;if(n.ALIAS_KEYS[t])return!1;const r=n.FLIPPED_ALIAS_KEYS[t];if(r){if(r[0]===e)return!0;for(const t of
r)if(e===t)return!0}return!1};var n=r(6),function(e,t,r){
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!e)return;const
a=n.NODE_FIELDS[e.type];if(!a)return;const o=a[t];i(e,t,r,o),s(e,t,r),t.validateField=i,t.validateChild=s;var
n=r(6);function i(e,t,r,n){null!=n&&n.validate&&(n.optional&&null==r||n.validate(e,t,r))}function
s(e,t,r){if(null==r)return;const i=n.NODE_PARENT_VALIDATIONS[r.type];i&&i(e,t,r)},function(e,t,r){
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){t&&r&&(t[e]=Array.from(new
Set([].concat(t[e],r[e]).filter(Boolean))))},function(e,t,r){
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.merge=function(e,t){const{placeholderWhitelist:r=e.plac
eholderWhitelist,placeholderPattern:n=e.placeholderPattern,preserveComments:i=e.preserveComments,syntacticPlac
eholders:s=e.syntacticPlaceholders}=t;return{parser:Object.assign({},e.parser,t.parser),placeholderWhitelist:r,plac
eholderPattern:n,preserveComments:i,syntacticPlaceholders:s}},t.validate=function(e){if(null!=e&&"object"!=type
of e)throw new Error("Unknown template options.");const
t=e||{},{placeholderWhitelist:r.placeholderPattern:n,preserveComments:i,syntacticPlaceholders:s}=t,a=function(e,t)
{if(null===e)return{};var r,n,i={},s=Object.keys(e);for(n=0;n<s.length;n++)r=s[n],t.indexOf(r)>=0||(i[r]=e[r]);return
i}(t,["placeholderWhitelist","placeholderPattern","preserveComments","syntacticPlaceholders"]);if(null!=r&&!r
instanceof Set)throw new Error("'placeholderWhitelist' must be a Set, null, or undefined");if(null!=n&&!(n
instanceof RegExp)&&!1!==n)throw new Error("'placeholderPattern' must be a RegExp, false, null, or
undefined");if(null!=i&&"boolean"!=typeof i)throw new Error("'preserveComments' must be a boolean, null, or
undefined");if(null!=s&&"boolean"!=typeof s)throw new Error("'syntacticPlaceholders' must be a boolean, null, or
undefined");if(!0===s&&(null!=r||null!=n))throw new Error("'placeholderWhitelist' and 'placeholderPattern' aren't
compatible with 'syntacticPlaceholders: true'");return{parser:a,placeholderWhitelist:r||void
0,placeholderPattern:null==n?void 0:n,preserveComments:null==i?void 0:i,syntacticPlaceholders:null==s?void
0:s}},t.normalizeReplacements=function(e){if(Array.isArray(e))return
e.reduce((e,t,r)=>([e["$"+r]=t,e],{}),{});if("object"===typeof e||null===e)return e||void 0;throw new Error("Template
replacements must be an array, object, null, or undefined")},function(e,t,r){
strict";Object.defineProperty(t,"__esModule",{value:!0});class n{constructor(e,t={}){this.label=void
0,this.keyword=void 0,this.beforeExpr=void 0,this.startsExpr=void 0,this.rightAssociative=void 0,this.isLoop=void
0,this.isAssign=void 0,this.prefix=void 0,this.postfix=void 0,this.binop=void 0,this.updateContext=void
0,this.label=e,this.keyword=t.keyword,this.beforeExpr=!t.beforeExpr,this.startsExpr=!t.startsExpr,this.rightAssociative=!t.rightAssociative,this.isLoop=!t.isLoop,this.isAssign=!t.isAssign,this.prefix=!t.prefix,this.postfix=!t.postfix,this.binop=null!=t.binop?t.binop:null,this.updateContext=null}}const i=new Map;function
s(e,t={}){t.keyword=e;const r=new n(e,t);return i.set(e,r),r}function a(e,t){return new
n(e,{beforeExpr:!0,binop:t})}const o={num:new n("num",{startsExpr:!0}),bigint:new
n("bigint",{startsExpr:!0}),decimal:new n("decimal",{startsExpr:!0}),regexp:new
n("regexp",{startsExpr:!0}),string:new n("string",{startsExpr:!0}),name:new n("name",{startsExpr:!0}),eof:new
n("eof"),bracketL:new n("[",{beforeExpr:!0,startsExpr:!0}),bracketHashL:new
n("#[",{beforeExpr:!0,startsExpr:!0}),bracketBarL:new n("[",{beforeExpr:!0,startsExpr:!0}),bracketR:new
n("]"),bracketBarR:new n("]"),braceL:new n("{",{beforeExpr:!0,startsExpr:!0}),braceBarL:new

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n("{", {beforeExpr:!0,startsExpr:!0}),braceHashL:new n("#",{beforeExpr:!0,startsExpr:!0}),braceR:new
n("}"),braceBarR:new n("|"),parenL:new n("({", {beforeExpr:!0,startsExpr:!0}),parenR:new n("}"),comma:new
n(",",{beforeExpr:!0}),semi:new n(";",{beforeExpr:!0}),colon:new n(":",{beforeExpr:!0}),doubleColon:new
n("::",{beforeExpr:!0}),dot:new n("."),question:new n("?",{beforeExpr:!0}),questionDot:new n("?."),arrow:new
n("=>",{beforeExpr:!0}),template:new n("template"),ellipsis:new n("...",{beforeExpr:!0}),backQuote:new
n("`",{startsExpr:!0}),dollarBraceL:new n("${",{beforeExpr:!0,startsExpr:!0}),at:new n("@"),hash:new
n("#",{startsExpr:!0}),interpreterDirective:new n("#!...",eq:new n("=",{beforeExpr:!0,isAssign:!0}),assign:new
n("_=",{beforeExpr:!0,isAssign:!0}),incDec:new n("++/--",{prefix:!0,postfix:!0,startsExpr:!0}),bang:new
n("!",{beforeExpr:!0,prefix:!0,startsExpr:!0}),tilde:new
n("~",{beforeExpr:!0,prefix:!0,startsExpr:!0}),pipeline:a(">",0),nullishCoalescing:a("??",1),logicalOR:a("||",1),logi
calAND:a("&&",2),bitwiseOR:a("|",3),bitwiseXOR:a("^",4),bitwiseAND:a("&",5),equality:a("==/!/=//===/!===",6),re
lational:a("</>/<=>=",7),bitShift:a("<</>>/>>>",8),plusMin:new n("+/-
",{beforeExpr:!0,binop:9,prefix:!0,startsExpr:!0}),modulo:new
n("%",{beforeExpr:!0,binop:10,startsExpr:!0}),star:new n("*",{binop:10}),slash:a("/",10),exponent:new
n("**",{beforeExpr:!0,binop:11,rightAssociative:!0}),_break:s("break"),_case:s("case",{beforeExpr:!0}),_catch:s("c
atch"),_continue:s("continue"),_debugger:s("debugger"),_default:s("default",{beforeExpr:!0}),_do:s("do",{isLoop:!
0,beforeExpr:!0}),_else:s("else",{beforeExpr:!0}),_finally:s("finally"),_for:s("for",{isLoop:!0}),_function:s("functio
n",{startsExpr:!0}),_if:s("if"),_return:s("return",{beforeExpr:!0}),_switch:s("switch"),_throw:s("throw",{beforeExp
r:!0,prefix:!0,startsExpr:!0}),_try:s("try"),_var:s("var"),_const:s("const"),_while:s("while",{isLoop:!0}),_with:s("wit
h"),_new:s("new",{beforeExpr:!0,startsExpr:!0}),_this:s("this",{startsExpr:!0}),_super:s("super",{startsExpr:!0}),_c
lass:s("class",{startsExpr:!0}),_extends:s("extends",{beforeExpr:!0}),_export:s("export"),_import:s("import",{starts
Expr:!0}),_null:s("null",{startsExpr:!0}),_true:s("true",{startsExpr:!0}),_false:s("false",{startsExpr:!0}),_in:s("in",{
beforeExpr:!0,binop:7}),_instanceof:s("instanceof",{beforeExpr:!0,binop:7}),_typeof:s("typeof",{beforeExpr:!0,prefi
x:!0,startsExpr:!0}),_void:s("void",{beforeExpr:!0,prefix:!0,startsExpr:!0}),_delete:s("delete",{beforeExpr:!0,prefi
x:!0,startsExpr:!0}),l=/\r\n?|\n\u2028\u2029/,c=new RegExp(l.source,"g");function p(e){switch(e){case 10:case
13:case 8232:case 8233:return!0;default:return!1}}const u=/(?|s|\\.|.*|\\*|^)?|\\*|\\*/g;function d(e){switch(e){case
9:case 11:case 12:case 32:case 160:case 5760:case 8192:case 8193:case 8194:case 8195:case 8196:case 8197:case
8198:case 8199:case 8200:case 8201:case 8202:case 8239:case 8287:case 12288:case
65279:return!0;default:return!1}}class h{constructor(e,t){this.line=void 0,this.column=void
0,this.line=e,this.column=t}}class f{constructor(e,t){this.start=void 0,this.end=void 0,this.filename=void
0,this.identifierName=void 0,this.start=e,this.end=t}}function m(e){return e[e.length-1]}const
y=Object.freeze({AccessorIsGenerator:"A %0ter cannot be a generator",ArgumentsInClass:"'arguments' is only
allowed in functions and class methods",AsyncFunctionInSingleStatementContext:"Async functions can only be
declared at the top level or inside a block",AwaitBindingIdentifier:"Can not use 'await' as identifier inside an async
function",AwaitExpressionFormalParameter:"await is not allowed in async function
parameters",AwaitNotInAsyncContext:"'await' is only allowed within async functions and at the top levels of
modules",AwaitNotInAsyncFunction:"'await' is only allowed within async functions",BadGetterArity:"getter must
not have any formal parameters",BadSetterArity:"setter must have exactly one formal
parameter",BadSetterRestParameter:"setter function argument must not be a rest
parameter",ConstructorClassField:"Classes may not have a field named
'constructor'",ConstructorClassPrivateField:"Classes may not have a private field named
'#constructor'",ConstructorIsAccessor:"Class constructor may not be an accessor",ConstructorIsAsync:"Constructor
can't be an async function",ConstructorIsGenerator:"Constructor can't be a
generator",DeclarationMissingInitializer:"%0 require an initialization value",DecoratorBeforeExport:"Decorators
must be placed *before* the 'export' keyword. You can set the 'decoratorsBeforeExport' option to false to use the
'export @decorator class {}' syntax",DecoratorConstructor:"Decorators can't be used with a constructor. Did you
mean '@dec class { ... }?'",DecoratorExportClass:"Using the export keyword between a decorator and a class is not
allowed. Please use `export @dec class` instead.",DecoratorSemicolon:"Decorators must not be followed by a
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semicolon",DecoratorStaticBlock:"Decorators can't be used with a static block",DeletePrivateField:"Deleting a private field is not allowed",DestructureNamedImport:"ES2015 named imports do not destructure. Use another statement for destructuring after the import.",DuplicateConstructor:"Duplicate constructor in the same class",DuplicateDefaultExport:"Only one default export allowed per module.",DuplicateExport:"`%0` has already been exported. Exported identifiers must be unique.",DuplicateProto:"Redefinition of __proto__ property",DuplicateRegExpFlags:"Duplicate regular expression flag",DuplicateStaticBlock:"Duplicate static block in the same class",ElementAfterRest:"Rest element must be last element",EscapedCharNotAnIdentifier:"Invalid Unicode escape",ExportBindingIsString:"A string literal cannot be used as an exported binding without `from`. \n- Did you mean `export { %0 as '%1' } from 'some-module`?",ExportDefaultFromAsIdentifier:"`from` is not allowed as an identifier after `export default`",ForInOfLoopInitializer:"`%0` loop variable declaration may not have an initializer",GeneratorInSingleStatementContext:"Generators can only be declared at the top level or inside a block",IllegalBreakContinue:"Unsyntactic %0",IllegalLanguageModeDirective:"Illegal 'use strict' directive in function with non-simple parameter list",IllegalReturn:"`return` outside of function",ImportBindingIsString:'A string literal cannot be used as an imported binding.\n- Did you mean `import { "%0" as foo }`?',ImportCallArgumentTrailingComma:"Trailing comma is disallowed inside import(...) arguments",ImportCallAriety:"import() requires exactly %0",ImportCallNotNewExpression:"Cannot use new with import(...)",ImportCallSpreadArgument:"... is not allowed in import()",ImportMetaOutsideModule:"import.meta may appear only with 'sourceType: `module`'",ImportOutsideModule:"`import` and `export` may appear only with 'sourceType: `module`'",InvalidBigIntLiteral:"Invalid BigIntLiteral",InvalidCodePoint:"Code point out of bounds",InvalidDecimal:"Invalid decimal",InvalidDigit:"Expected number in radix %0",InvalidEscapeSequence:"Bad character escape sequence",InvalidEscapeSequenceTemplate:"Invalid escape sequence in template",InvalidEscapedReservedWord:"Escape sequence in keyword %0",InvalidIdentifier:"Invalid identifier %0",InvalidLhs:"Invalid left-hand side in %0",InvalidLhsBinding:"Binding invalid left-hand side in %0",InvalidNumber:"Invalid number",InvalidOrMissingExponent:"Floating-point numbers require a valid exponent after the 'e'",InvalidOrUnexpectedToken:"Unexpected character '%0'",InvalidParenthesizedAssignment:"Invalid parenthesized assignment pattern",InvalidPrivateFieldResolution:"Private name #%0 is not defined",InvalidPropertyBindingPattern:"Binding member expression",InvalidRecordProperty:"Only properties and spread elements are allowed in record definitions",InvalidRestAssignmentPattern:"Invalid rest operator's argument",LabelRedeclaration:"Label '%0' is already declared",LetInLexicalBinding:"`let` is not allowed to be used as a name in `let` or `const` declarations.",LineTerminatorBeforeArrow:"No line break is allowed before `=>`",MalformedRegExpFlags:"Invalid regular expression flag",MissingClassName:"A class name is required",MissingEqInAssignment:"Only `=` operator can be used for specifying default value.",MissingUnicodeEscape:"Expecting Unicode escape sequence \\uXXXX",MixingCoalesceWithLogical:"Nullish coalescing operator(??) requires parens when mixing with logical operators",ModuleAttributeDifferentFromType:"The only accepted module attribute is `type`",ModuleAttributeInvalidValue:"Only string literals are allowed as module attribute values",ModuleAttributesWithDuplicateKeys:'Duplicate key "%0" is not allowed in module attributes',ModuleExportNameHasLoneSurrogate:"An export name cannot include a lone surrogate, found \\u%0'",ModuleExportUndefined:"Export '%0' is not defined",MultipleDefaultsInSwitch:"Multiple default clauses",NewlineAfterThrow:"Illegal newline after throw",NoCatchOrFinally:"Missing catch or finally clause",NumberIdentifier:"Identifier directly after number",NumericSeparatorInEscapeSequence:"Numeric separators are not allowed inside unicode escape sequences or hex escape sequences",ObsoleteAwaitStar:"`await*` has been removed from the async functions proposal. Use Promise.all() instead.",OptionalChainingNoNew:"constructors in/after an Optional Chain are not allowed",OptionalChainingNoTemplate:"Tagged Template Literals are not allowed in optionalChain",ParamDup:"Argument name clash",PatternHasAccessor:"Object pattern can't contain getter or setter",PatternHasMethod:"Object pattern can't contain methods",PipelineBodyNoArrow:'Unexpected arrow `=>` after pipeline body; arrow function in pipeline body must be

parenthesized',PipelineBodySequenceExpression:"Pipeline body may not be a comma-separated sequence expression",PipelineHeadSequenceExpression:"Pipeline head should not be a comma-separated sequence expression",PipelineTopicUnused:"Pipeline is in topic style but does not use topic reference",PrimaryTopicNotAllowed:"Topic reference was used in a lexical context without topic binding",PrimaryTopicRequiresSmartPipeline:"Primary Topic Reference found but pipelineOperator not passed 'smart' for 'proposal' option.",PrivateInExpectedIn:"Private names are only allowed in property accesses (`obj.#%0`) or in `in` expressions (`#%0 in obj`)",PrivateNameRedeclaration:"Duplicate private name # %0",RecordExpressionBarIncorrectEndSyntaxType:"Record expressions ending with `|` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'",RecordExpressionBarIncorrectStartSyntaxType:"Record expressions starting with `{` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'",RecordExpressionHashIncorrectStartSyntaxType:"Record expressions starting with `#{` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'",RecordNoProto:"`__proto__` is not allowed in Record expressions",RestTrailingComma:"Unexpected trailing comma after rest element",SloppyFunction:"In non-strict mode code, functions can only be declared at top level, inside a block, or as the body of an if statement",StaticPrototype:"Classes may not have static property named prototype",StrictDelete:"Deleting local variable in strict mode",StrictEvalArguments:"Assigning to '%0' in strict mode",StrictEvalArgumentsBinding:"Binding '%0' in strict mode",StrictFunction:"In strict mode code, functions can only be declared at top level or inside a block",StrictNumericEscape:"The only valid numeric escape in strict mode is `\\0`",StrictOctalLiteral:"Legacy octal literals are not allowed in strict mode",StrictWith:"`with` in strict mode",SuperNotAllowed:"super() is only valid inside a class constructor of a subclass. Maybe a typo in the method name ('constructor') or not extending another class?",SuperPrivateField:"Private fields can't be accessed on super",TrailingDecorator:"Decorators must be attached to a class element",TupleExpressionBarIncorrectEndSyntaxType:"Tuple expressions ending with `|` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'",TupleExpressionBarIncorrectStartSyntaxType:"Tuple expressions starting with `[` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'bar'",TupleExpressionHashIncorrectStartSyntaxType:"Tuple expressions starting with `#[` are only allowed when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'",UnexpectedArgumentPlaceholder:"Unexpected argument placeholder",UnexpectedAwaitAfterPipelineBody:"Unexpected `await` after pipeline body; await must have parentheses in minimal proposal",UnexpectedDigitAfterHash:"Unexpected digit after hash token",UnexpectedImportExport:"`import` and `export` may only appear at the top level",UnexpectedKeyword:"Unexpected keyword '%0'",UnexpectedLeadingDecorator:"Leading decorators must be attached to a class declaration",UnexpectedLexicalDeclaration:"Lexical declaration cannot appear in a single-statement context",UnexpectedNewTarget:"new.target can only be used in functions",UnexpectedNumericSeparator:"A numeric separator is only allowed between two digits",UnexpectedPrivateField:"Private names can only be used as the name of a class element (i.e. class C { #p = 42; #m() { } })\n or a property of member expression (i.e. this.#p).",UnexpectedReservedWord:"Unexpected reserved word '%0'",UnexpectedSuper:"super is only allowed in object methods and classes",UnexpectedToken:"Unexpected token '%0'",UnexpectedTokenUnaryExponentiation:"Illegal expression. Wrap left hand side or entire exponentiation in parentheses.",UnsupportedBind:"Binding should be performed on object property.",UnsupportedDecoratorExport:"A decorated export must export a class declaration",UnsupportedDefaultExport:"Only expressions, functions or classes are allowed as the `default` export.",UnsupportedImport:"import can only be used in import() or import.meta",UnsupportedMetaProperty:"The only valid meta property for %0 is %0.%1",UnsupportedParameterDecorator:"Decorators cannot be used to decorate parameters",UnsupportedPropertyDecorator:"Decorators cannot be used to decorate object literal properties",UnsupportedSuper:"super can only be used with function calls (i.e. super()) or in property accesses (i.e.

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super.prop or super[prop]),UnterminatedComment:"Unterminated comment",UnterminatedRegExp:"Unterminated
regular expression",UnterminatedString:"Unterminated string constant",UnterminatedTemplate:"Unterminated
template",VarRedeclaration:"Identifier '%0' has already been declared",YieldBindingIdentifier:"Can not use 'yield'
as identifier inside a generator",YieldInParameter:"Yield expression is not allowed in formal
parameters",ZeroDigitNumericSeparator:"Numeric separator can not be used after leading 0"));function T(e){return
null!=e&&"Property"===e.type&&"init"===e.kind&&!1===e.method}class b{constructor(e,t,r,n){this.token=void
0,this.isExpr=void 0,this.preserveSpace=void 0,this.override=void
0,this.token=e,this.isExpr=!t,this.preserveSpace=!r,this.override=n}const g={braceStatement:new
b("{",!1),braceExpression:new b("{",!0),recordExpression:new b("#",!0),templateQuasi:new
b("${",!1),parenStatement:new b("(",!1),parenExpression:new b("(",!0),template:new
b("",!0,!0,e=>e.readTmpToken()),functionExpression:new b("function",!0),functionStatement:new
b("function",!1)};o.parenR.updateContext=o.braceR.updateContext=function(){if(1===this.state.context.length)retu
rn void(this.state.exprAllowed=!0)};let
e=this.state.context.pop();e===g.braceStatement&&"function"===this.curContext().token&&(e=this.state.context.p
op()),this.state.exprAllowed=!e.isExpr},o.name.updateContext=function(e){let
t=!1;e!==o.dot&&("of"!==this.state.value||this.state.exprAllowed||e===o._function||e===o._class||(t=!0)),this.state.e
xprAllowed=t,this.state.isIterator&&(this.state.isIterator=!1)},o.braceL.updateContext=function(e){this.state.contex
t.push(this.braceIsBlock(e)?g.braceStatement:g.braceExpression),this.state.exprAllowed=!0},o.dollarBraceL.update
Context=function(){this.state.context.push(g.templateQuasi),this.state.exprAllowed=!0},o.parenL.updateContext=fu
nction(e){const
t=e===o._if||e===o._for||e===o._with||e===o._while;this.state.context.push(t?g.parenStatement:g.parenExpression)
,this.state.exprAllowed=!0},o.incDec.updateContext=function(){},o._function.updateContext=o._class.updateConte
xt=function(e){!e.beforeExpr||e===o.semi||e===o._else||e===o._return&&this.hasPrecedingLineBreak()|(e===o.col
on||e===o.braceL)&&this.curContext()===g.b_stat?this.state.context.push(g.functionStatement):this.state.context.p
ush(g.functionExpression),this.state.exprAllowed=!1},o.backQuote.updateContext=function(){this.curContext()===
g.template?this.state.context.pop():this.state.context.push(g.template),this.state.exprAllowed=!1},o.braceHashL.upd
ateContext=function(){this.state.context.push(g.recordExpression),this.state.exprAllowed=!0};let S="µÀ-ÖØ-öø-^
-----",x="-----";const
E=new RegExp("[+S+]"),P=new RegExp("[+S+x+]");S=x=null;const
v=[0,11,2,25,2,18,2,1,2,14,3,13,35,122,70,52,268,28,4,48,48,31,14,29,6,37,11,29,3,35,5,7,2,4,43,157,19,35,5,35,5,3
9,9,51,157,310,10,21,11,7,153,5,3,0,2,43,2,1,4,0,3,22,11,22,10,30,66,18,2,1,11,21,11,25,71,55,7,1,65,0,16,3,2,2,2,2
8,43,28,4,28,36,7,2,27,28,53,11,21,11,18,14,17,111,72,56,50,14,50,14,35,349,41,7,1,79,28,11,0,9,21,107,20,28,22,1
3,52,76,44,33,24,27,35,30,0,3,0,9,34,4,0,13,47,15,3,22,0,2,0,36,17,2,24,85,6,2,0,2,3,2,14,2,9,8,46,39,7,3,1,3,21,2,6,
2,1,2,4,4,0,19,0,13,4,159,52,19,3,21,2,31,47,21,1,2,0,185,46,42,3,37,47,21,0,60,42,14,0,72,26,230,43,117,63,32,7,3,
0,3,7,2,1,2,23,16,0,2,0,95,7,3,38,17,0,2,0,29,0,11,39,8,0,22,0,12,45,20,0,35,56,264,8,2,36,18,0,50,29,113,6,2,1,2,37,
22,0,26,5,2,1,2,31,15,0,328,18,190,0,80,921,103,110,18,195,2749,1070,4050,582,8634,568,8,30,114,29,19,47,17,3,
32,20,6,18,689,63,129,74,6,0,67,12,65,1,2,0,29,6135,9,1237,43,8,8952,286,50,2,18,3,9,395,2309,106,6,12,4,8,8,9,5
991,84,2,70,2,1,3,0,3,1,3,3,2,11,2,0,2,6,2,64,2,3,3,7,2,6,2,27,2,3,2,4,2,0,4,6,2,339,3,24,2,24,2,30,2,24,2,30,2,24,2,30,2,24,2,7,2357,44,11,6,17,0,370,43,1301,196,60,67,8,0,1205,3,2,26,2,1,2,0,3,0,2,9,2,3,2,0,2,0,7,0,5,0,2,0,2
,0,2,2,2,1,2,0,3,0,2,0,2,0,2,0,2,1,2,0,3,3,2,6,2,3,2,3,2,0,2,9,2,16,6,2,2,4,2,16,4421,42717,35,4148,12,221,3,5761,
15,7472,3104,541,1507,4938],A=[509,0,227,0,150,4,294,9,1368,2,2,1,6,3,41,2,5,0,166,1,574,3,9,9,370,1,154,10,17
6,2,54,14,32,9,16,3,46,10,54,9,7,2,37,13,2,9,6,1,45,0,13,2,49,13,9,3,2,11,83,11,7,0,161,11,6,9,7,3,56,1,2,6,3,1,3,2,1
0,0,11,1,3,6,4,4,193,17,10,9,5,0,82,19,13,9,214,6,3,8,28,1,83,16,16,9,82,12,9,9,84,14,5,9,243,14,166,9,71,5,2,1,3,3,
2,0,2,1,13,9,120,6,3,6,4,0,29,9,41,6,2,3,9,0,10,10,47,15,406,7,2,7,17,9,57,21,2,13,123,5,4,0,2,1,2,6,2,0,9,9,49,4,2,1,
2,4,9,9,330,3,19306,9,135,4,60,6,26,9,1014,0,2,54,8,3,82,0,12,1,19628,1,5319,4,4,5,9,7,3,6,31,3,149,2,1418,49,513,
54,5,49,9,0,15,0,23,4,2,14,1361,6,2,16,3,6,2,1,2,4,262,6,10,9,419,13,1495,6,110,6,6,9,4759,9,787719,239];function
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w(e,t){let r=65536;for(let
n=0,i=t.length;n<i;n+=2){if(r+=t[n],r>e)return!1;if(r+=t[n+1],r>=e)return!0)return!1}function O(e){return
e<65?36===e:e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&E.test(String.fromCharCode(e)):w(e,v)))}funct
ion I(e){return
e<48?36===e:e<58!|(e<65)&&(e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&P.test(String.fromCharCode
(e)):w(e,v)||w(e,A)))))}const
C=["implements","interface","let","package","private","protected","public","static","yield"],N=["eval","arguments"]
,k=new
Set(["break","case","catch","continue","debugger","default","do","else","finally","for","function","if","return","swit
ch","throw","try","var","const","while","with","new","this","super","class","extends","export","import","null","true"
,"false","in","instanceof","typeof","void","delete"]),D=new Set(C),_=new Set(N);function L(e,t){return
t&&"await"===e||"enum"===e}function M(e,t){return L(e,t)||D.has(e)}function j(e){return _.has(e)}function
F(e,t){return M(e,t)||j(e)}function R(e){return k.has(e)}const B=/^in(stanceof)?$/;const U=new
Set(["_","any","bool","boolean","empty","extends","false","interface","mixed","null","number","static","string","tru
e","typeof","void"]),V=Object.freeze({AmbiguousConditionalArrow:"Ambiguous expression: wrap the arrow
functions in parentheses to disambiguate.",AmbiguousDeclareModuleKind:"Found both `declare module.exports`
and `declare export` in the same module. Modules can only have 1 since they are either an ES module or they are a
CommonJS module",AssignReservedType:"Cannot overwrite reserved type %0",DeclareClassElement:"The
`declare` modifier can only appear on class fields.",DeclareClassFieldInitializer:"Initializers are not allowed in fields
with the `declare` modifier.",DuplicateDeclareModuleExports:"Duplicate `declare module.exports`
statement",EnumBooleanMemberNotInitialized:"Boolean enum members need to be initialized. Use either `%0 =
true,` or `%0 = false,` in enum `%1`.",EnumDuplicateMemberName:"Enum member names need to be unique, but
the name `%0` has already been used before in enum `%1`.",EnumInconsistentMemberValues:"Enum `%0` has
inconsistent member initializers. Either use no initializers, or consistently use literals (either booleans, numbers, or
strings) for all member initializers.",EnumInvalidExplicitType:"Enum type `%1` is not valid. Use one of `boolean`,
`number`, `string`, or `symbol` in enum `%0`.",EnumInvalidExplicitTypeUnknownSupplied:"Supplied enum type is
not valid. Use one of `boolean`, `number`, `string`, or `symbol` in enum
`%0`.",EnumInvalidMemberInitializerPrimaryType:"Enum `%0` has type `%2`, so the initializer of `%1` needs to
be a %2 literal.",EnumInvalidMemberInitializerSymbolType:"Symbol enum members cannot be initialized. Use
`%1,` in enum `%0`.",EnumInvalidMemberInitializerUnknownType:"The enum member initializer for `%1` needs
to be a literal (either a boolean, number, or string) in enum `%0`.",EnumInvalidMemberName:"Enum member
names cannot start with lowercase 'a' through 'z'. Instead of using `%0`, consider using `%1`, in enum
`%2`.",EnumNumberMemberNotInitialized:"Number enum members need to be initialized, e.g. `%1 = 1` in enum
`%0`.",EnumStringMemberInconsistentlyInitailized:"String enum members need to consistently either all use
initializers, or use no initializers, in enum `%0`.",ImportTypeShorthandOnlyInPureImport:"The `type` and `typeof`
keywords on named imports can only be used on regular `import` statements. It cannot be used with `import type` or
`import typeof` statements",InexactInsideExact:"Explicit inexact syntax cannot appear inside an explicit exact object
type",InexactInsideNonObject:"Explicit inexact syntax cannot appear in class or interface
definitions",InexactVariance:"Explicit inexact syntax cannot have
variance",InvalidNonTypeImportInDeclareModule:"Imports within a `declare module` body must always be `import
type` or `import typeof`,MissingTypeParamDefault:"Type parameter declaration needs a default, since a preceding
type parameter declaration has a default.",NestedDeclareModule:"`declare module` cannot be used inside another
`declare module`",NestedFlowComment:"Cannot have a flow comment inside another flow
comment",OptionalBindingPattern:"A binding pattern parameter cannot be optional in an implementation
signature.",SpreadVariance:"Spread properties cannot have variance",TypeBeforeInitializer:"Type annotations must
come before default assignments, e.g. instead of `age = 25: number` use `age: number =
25`",TypeCastInPattern:"The type cast expression is expected to be wrapped with
parenthesis",UnexpectedExplicitInexactInObject:"Explicit inexact syntax must appear at the end of an inexact

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object",UnexpectedReservedType:"Unexpected reserved type %0",UnexpectedReservedUnderscore:"`_` is only
allowed as a type argument to call or new",UnexpectedSpaceBetweenModuloChecks:"Spaces between `%` and
`checks` are not allowed here.",UnexpectedSpreadType:"Spread operator cannot appear in class or interface
definitions",UnexpectedSubtractionOperand:Unexpected token, expected "number" or
"bigint",UnexpectedTokenAfterTypeParameter:"Expected an arrow function after this type parameter
declaration",UnexpectedTypeParameterBeforeAsyncArrowFunction:"Type parameters must come after the async
keyword, e.g. instead of `<T> async () => {}`, use `async <T>() => {}`",UnsupportedDeclareExportKind:"`declare
export %0` is not supported. Use `% 1` instead",UnsupportedStatementInDeclareModule:"Only declares and type
imports are allowed inside declare module",UnterminatedFlowComment:"Unterminated flow-comment");function
K(e){return"type"===e.importKind||"typeof"===e.importKind}function
q(e){return(e.type===o.name||!e.type.keyword)&&"from"!==e.value}const Y={const:"declare export
var",let:"declare export var",type:"export type",interface:"export interface"};const
W=/^*\s*((?:no)?flow)\b;/const
X={quot:"\"",amp:"&",apos:"'",lt:"<",gt:">",nbsp:" ",iexcl:"¡",cent:"¢",pound:"£",curren:"¤",yen:"¥",brvbar:"¦",sect:"§",
uml:"¨",copy:"©",ordf:"ª",laquo:"«",not:"¬",shy:"- ",reg:"®",macr:"¯",deg:"°",plusmn:"±",sup2:"²",sup3:"³",acute:"´",
micro:"µ",para:"¶",middot:"·",cedil:"¸",sup1:"¹",ordm:"º",raquo:"»",frac14:"¼",frac12:"½",frac34:"¾",iquest:"¿",A
grave:"À",Aacute:"Á",Acirc:"Â",Atilde:"Ã",Auml:"Ä",Aring:"Å",AElig:"Æ",Ccedil:"Ç",Egrave:"È",Eacute:"É",Ec
irc:"Ê",Euml:"Ë",Igrave:"Ì",Iacute:"Í",Icirc:"Î",Iuml:"Ï",ETH:"Ð",Ntilde:"Ñ",Ograve:"Ò",Oacute:"Ó",Ocirc:"Ô",Oti
lde:"Õ",Ouml:"Ö",times:"×",Oslash:"Ø",Ugrave:"Ù",Uacute:"Ú",Ucirc:"Û",Uuml:"Ü",Yacute:"Ý",THORN:"Þ",szli
g:"ß",agrave:"à",aacute:"á",acirc:"â",atilde:"ã",auml:"ä",aring:"å",aelig:"æ",ccedil:"ç",egrave:"è",eacute:"é",ecirc:"ê",
euml:"ë",igrave:"ì",iacute:"í",icirc:"î",iuml:"ï",eth:"ð",ntilde:"ñ",ograve:"ò",oacute:"ó",ocirc:"ô",otilde:"õ",ouml:"ö",
divide:"÷",oslash:"ø",ugrave:"ù",uacute:"ú",ucirc:"û",uuml:"ü",yacute:"ý",thorn:"þ",yuml:"ÿ",OElig:"Œ",oelig:"œ",
Scaron:"Š",scaron:"š",Yuml:"ÿ",fnof:"ƒ",circ:"ˆ",tilde:"˜",Alpha:"Α",Beta:"Β",Gamma:"Γ",Delta:"Δ",Epsilon:"Ε",Zeta:"Ζ",
Eta:"Η",Theta:"Θ",Iota:"Ι",Kappa:"Κ",Lambda:"Λ",Mu:"Μ",Nu:"Ν",Xi:"Ξ",Omicron:"Ο",Pi:"Π",Rho:"Ρ",Sigma:"Σ",Tau:"Τ",Upsilon:"Υ",
Phi:"Φ",Chi:"Χ",Psi:"Ψ",Omega:"Ω",alpha:"α",beta:"β",gamma:"γ",delta:"δ",epsilon:"ε",zeta:"ζ",eta:"η",theta:"θ",iota:"ι",kappa:"κ",
lambda:"λ",mu:"μ",nu:"ν",xi:"ξ",omicron:"ο",pi:"π",rho:"ρ",sigma:"σ",tau:"τ",upsilon:"υ",phi:"φ",chi:"χ",psi:"ψ",omega:"ω",
thetasym:"ϑ",upsih:"ϛ",piv:"ϖ",ensp:" ",emsp:" ",thinsp:" ",
zwnj:" ",zwj:"‪",lrm:" ",rlm:" ",ndash:"–",mdash:"—",lsquo:"‘",rsquo:"’",sbquo:"‚",ldquo:"“”,rdquo:"””,bdquo:"„",da
gger:"‡",Dagger:"‡",bull:"•",hellip:"…",permil:"‰",prime:"′",Prime:"″",lsaquo:"‹",rsaquo:"›",oline:"⎯",frasl:"⁄",euro:"€",
image:"",weierp:"℥",real:"ℝ",trade:"™",alefsym:"ℵ",larr:"←",uarr:"↑",rarr:"→",darr:"↓",harr:"↔",crarr:"↵",lArr:"⇐",uArr:"⇑",rArr:"⇓",
dArr:"⇓",hArr:"⇔",forall:"∀",part:"∂",exist:"∃",empty:"∅",nabla:"∇",isin:"∈",notin:"∉",ni:"∋",prod:"∏",sum:"∑",minus:"−",lowast:"∗",r
adic:"∛",prop:"∝",infin:"∞",ang:"∠",and:"∧",or:"∨",cap:"∩",cup:"∪",int:"∫",there4:"∴",sim:"∝",cong:"≅",asymp:"≈",ne:"≠",equiv:"≡",le:"≤",
ge:"≥",sub:"sub",sup:"sup",nsup:"sup",sube:"⊆",supe:"⊇",oplus:"⊕",otimes:"⊗",perp:"⊥",sdot:"⋅",lceil:"⌈",rceil:"⌋",lfloor:"⌊",rfloor:"⌋",lang:"⟨",
rang:"⟩",loz:"◊",spades:"♠",clubs:"♣",hearts:"♥",diams:"♦"},J=/^\[da-fA-
F]+$/H=/^\d+$/G=Object.freeze({AttributeIsEmpty:"JSX attributes must only be assigned a non-empty
expression",MissingClosingTagFragment:"Expected corresponding JSX closing tag for
<>",MissingClosingTagElement:"Expected corresponding JSX closing tag for <%0>",UnsupportedJsxValue:"JSX
value should be either an expression or a quoted JSX text",UnterminatedJsxContent:"Unterminated JSX
contents",UnwrappedAdjacentJSXElements:"Adjacent JSX elements must be wrapped in an enclosing tag. Did you
want a JSX fragment <>...</>?");function
z(e){return!e&&("JSXOpeningFragment"===e.type||"JSXClosingFragment"===e.type)}function
$(e){if("JSXIdentifier"===e.type)return e.name;if("JSXNamespacedName"===e.type)return
e.namespace.name+"."+e.name.name;if("JSXMemberExpression"===e.type)return
$(e.object)+"."+$(e.property);throw new Error("Node had unexpected type: "+e.type)}g.j_oTag=new
b("<tag",!1),g.j_cTag=new b("</tag",!1),g.j_expr=new b("<tag>...</tag>",!0,!0),o.jsxName=new
n("jsxName"),o.jsxText=new n("jsxText",{beforeExpr:!0}),o.jsxTagStart=new
n("jsxTagStart",{startsExpr:!0}),o.jsxTagEnd=new
n("jsxTagEnd"),o.jsxTagStart.updateContext=function(){this.state.context.push(g.j_expr),this.state.context.push(g.j

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_oTag),this.state.exprAllowed=!1},o.jsxTagEnd.updateContext=function(e){const
t=this.state.context.pop();t===g.j_oTag&&e===o.slash||t===g.j_cTag?(this.state.context.pop(),this.state.exprAllow
ed=this.curContext()===g.j_expr):this.state.exprAllowed=!0};class Q{constructor(e){this.flags=void
0,this.var=[],this.lexical=[],this.functions=[],this.flags=e}class
Z{constructor(e,t){this.scopeStack=[],this.undefinedExports=new Map,this.undefinedPrivateNames=new
Map,this.raise=e,this.inModule=t}get inFunction(){return(2&this.currentVarScope().flags)>0}get
allowSuper(){return(16&this.currentThisScope().flags)>0}get
allowDirectSuper(){return(32&this.currentThisScope().flags)>0}get
inClass(){return(64&this.currentThisScope().flags)>0}get
inNonArrowFunction(){return(2&this.currentThisScope().flags)>0}get treatFunctionsAsVar(){return
this.treatFunctionsAsVarInScope(this.currentScope())}createScope(e){return new
Q(e)}enter(e){this.scopeStack.push(this.createScope(e))}exit(){this.scopeStack.pop()}treatFunctionsAsVarInScope(
e){return!!(2&e.flags||!this.inModule&&1&e.flags)}declareName(e,t,r){let
n=this.currentScope();if(8&t||16&t)this.checkRedeclarationInScope(n,e,t,r),16&t?n.functions.push(e):n.lexical.push(
e),8&t&&this.maybeExportDefined(n,e);else if(4&t)for(let i=this.scopeStack.length-
1;i>=0&&(n=this.scopeStack[i],this.checkRedeclarationInScope(n,e,t,r),n.var.push(e),this.maybeExportDefined(n,e)
,!(131&n.flags));--
i);this.inModule&&1&n.flags&&this.undefinedExports.delete(e)}maybeExportDefined(e,t){this.inModule&&1&e.f
lags&&this.undefinedExports.delete(t)}checkRedeclarationInScope(e,t,r,n){this.isRedeclaredInScope(e,t,r)&&this.r
aise(n,y.VarRedeclaration,t)}isRedeclaredInScope(e,t,r){return!!(1&r)&&(8&r?e.lexical.indexOf(t)>-
1||e.functions.indexOf(t)>-1||e.var.indexOf(t)>-1:16&r?e.lexical.indexOf(t)>-
1||!this.treatFunctionsAsVarInScope(e)&&e.var.indexOf(t)>-1:e.lexical.indexOf(t)>-
1&&!(8&e.flags&&e.lexical[0]===t)||!this.treatFunctionsAsVarInScope(e)&&e.functions.indexOf(t)>-
1)}checkLocalExport(e){-1===this.scopeStack[0].lexical.indexOf(e.name)&&-
1===this.scopeStack[0].var.indexOf(e.name)&&-
1===this.scopeStack[0].functions.indexOf(e.name)&&this.undefinedExports.set(e.name,e.start)}currentScope(){ret
urn this.scopeStack[this.scopeStack.length-1]}currentVarScope(){for(let e=this.scopeStack.length-1;;e--){const
t=this.scopeStack[e];if(131&t.flags)return t}}currentThisScope(){for(let e=this.scopeStack.length-1;;e--){const
t=this.scopeStack[e];if((131&t.flags||64&t.flags)&&!(4&t.flags))return t}}class ee extends
Q{constructor(...e){super(...e),this.types=[],this.enums=[],this.constEnums=[],this.classes=[],this.exportOnlyBindin
gs=[]}class te extends Z{createScope(e){return new ee(e)}declareName(e,t,r){const
n=this.currentScope();if(1024&t)return this.maybeExportDefined(n,e),void
n.exportOnlyBindings.push(e);super.declareName(...arguments),2&t&&(1&t||!(this.checkRedeclarationInScope(n,e,t
,r),this.maybeExportDefined(n,e)),n.types.push(e)),256&t&&n.enums.push(e),512&t&&n.constEnums.push(e),128
&t&&n.classes.push(e)}isRedeclaredInScope(e,t,r){if(e.enums.indexOf(t)>-
1){if(256&r){return!!(512&r)!==e.constEnums.indexOf(t)>-1}return!0}return 128&r&&e.classes.indexOf(t)>-
1?e.lexical.indexOf(t)>-1&&!(1&r):!(2&r&&e.types.indexOf(t)>-
1)||super.isRedeclaredInScope(...arguments)}checkLocalExport(e){-
1===this.scopeStack[0].types.indexOf(e.name)&&-
1===this.scopeStack[0].exportOnlyBindings.indexOf(e.name)&&super.checkLocalExport(e)}class
re{constructor(){this.stacks=[]}enter(e){this.stacks.push(e)}exit(){this.stacks.pop()}currentFlags(){return
this.stacks[this.stacks.length-1]}get hasAwait(){return(2&this.currentFlags())>0}get
hasYield(){return(1&this.currentFlags())>0}get hasReturn(){return(4&this.currentFlags())>0}get
hasIn(){return(8&this.currentFlags())>0}}function ne(e,t){return(e?2:0)|(t?1:0)}function ie(e){if(null===e)throw new
Error(`Unexpected ${e} value.`);return e}function se(e){if(!e)throw new Error("Assert fail")}const
ae=Object.freeze({ClassMethodHasDeclare:"Class methods cannot have the 'declare'
modifier",ClassMethodHasReadOnly:"Class methods cannot have the 'readonly'
modifier",ConstructorHasTypeParameters:"Type parameters cannot appear on a constructor

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declaration.",DeclareClassFieldHasInitializer:"Initializers are not allowed in ambient contexts.",DeclareFunctionHasImplementation:"An implementation cannot be declared in ambient contexts.",DuplicateModifier:"Duplicate modifier: '%0'",EmptyHeritageClauseType:"'%0' list cannot be empty.",EmptyTypeArguments:"Type argument list cannot be empty.",EmptyTypeParameters:"Type parameter list cannot be empty.",IndexSignatureHasAbstract:"Index signatures cannot have the 'abstract' modifier",IndexSignatureHasAccessibility:"Index signatures cannot have an accessibility modifier ('%0')",IndexSignatureHasStatic:"Index signatures cannot have the 'static' modifier",IndexSignatureHasDeclare:"Index signatures cannot have the 'declare' modifier",InvalidTupleMemberLabel:"Tuple members must be labeled with a simple identifier.",MixedLabeledAndUnlabeledElements:"Tuple members must all have names or all not have names.",OptionalTypeBeforeRequired:"A required element cannot follow an optional element.",PatternIsOptional:"A binding pattern parameter cannot be optional in an implementation signature.",PrivateElementHasAbstract:"Private elements cannot have the 'abstract' modifier.",PrivateElementHasAccessibility:"Private elements cannot have an accessibility modifier ('%0')",TypeAnnotationAfterAssign:"Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`",UnexpectedParameterModifier:"A parameter property is only allowed in a constructor implementation.",UnexpectedReadonly:"readonly' type modifier is only permitted on array and tuple literal types.",UnexpectedTypeAnnotation:"Did not expect a type annotation here.",UnexpectedTypeCastInParameter:"Unexpected type cast in parameter position.",UnsupportedImportTypeArgument:"Argument in a type import must be a string literal",UnsupportedParameterPropertyKind:"A parameter property may not be declared using a binding pattern.",UnsupportedSignatureParameterKind:"Name in a signature must be an Identifier, ObjectPattern or ArrayPattern, instead got %0"});o.placeholder=new n("%%",{startsExpr:!0});function oe(e,t){return e.some(e=>Array.isArray(e)?e[0]===t:e===t)}function le(e,t,r){const n=e.find(e=>Array.isArray(e)?e[0]===t:e===t);return n&&Array.isArray(n)?n[1][r]:null}const ce=["minimal","smart","fsharp"],pe=["hash","bar"];const ue={estree:e=>class extends e{estreeParseRegExpLiteral({pattern:e,flags:t}){let r=null;try{r=new RegExp(e,t)}catch(e){}const n=this.estreeParseLiteral(r);return n.regex={pattern:e,flags:t},n}estreeParseBigIntLiteral(e){const t="undefined"!==typeof BigInt?BigInt(e):null,r=this.estreeParseLiteral(t);return r.bigint=String(r.value||e),r}estreeParseDecimalLiteral(e){const t=this.estreeParseLiteral(null);return t.decimal=String(t.value||e),t}estreeParseLiteral(e){return this.parseLiteral(e,"Literal")}directiveToStmt(e){const t=e.value,r=this.startNodeAt(e.start,e.loc.start),n=this.startNodeAt(t.start,t.loc.start);return n.value=t.value,n.raw=t.extra.raw,r.expression=this.finishNodeAt(n,"Literal",t.end,t.loc.end),r.directive=t.extra.raw.slice(1,-1),this.finishNodeAt(r,"ExpressionStatement",e.end,e.loc.end)}initFunction(e,t){super.initFunction(e,t),e.expression=!1}checkDeclaration(e){T(e)?this.checkDeclaration(e.value):super.checkDeclaration(e)}getObjectOrClassMethodParams(e){return e.value.params}checkLVal(e,t=64,r,n,i){switch(e.type){case"ObjectPattern":e.properties.forEach(e=>{this.checkLVal("Property"===e.type?e.value:e,t,r,"object destructuring pattern",i)});break;default:super.checkLVal(e,t,r,n,i)}checkProto(e,t,r,n){e.method||super.checkProto(e,t,r,n)}isValidDirective(e){var t;return"ExpressionStatement"===e.type&&"Literal"===e.expression.type&&"string"===typeof e.expression.value&&!(null==(t=e.expression.extra)?void 0:t.parenthesized)}stmtToDirective(e){const t=super.stmtToDirective(e),r=e.expression.value;return t.value.value=r,t}parseBlockBody(e,t,r,n){super.parseBlockBody(e,t,r,n);const i=e.directives.map(e=>this.directiveToStmt(e));e.body=i.concat(e.body),delete e.directives}pushClassMethod(e,t,r,n,i,s){this.parseMethod(t,r,n,i,s,"ClassMethod",!0),t.typeParameters&&(t.value.t.typeParameters=t.typeParameters,delete t.typeParameters),e.body.push(t)}parseExprAtom(e){switch(this.state.type){case o.num:case o.string:return

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this.estreeParseLiteral(this.state.value);case o.regex:return this.estreeParseRegExpLiteral(this.state.value);case
o.bigint:return this.estreeParseBigIntLiteral(this.state.value);case o.decimal:return
this.estreeParseDecimalLiteral(this.state.value);case o._null:return this.estreeParseLiteral(null);case o._true:return
this.estreeParseLiteral(!0);case o._false:return this.estreeParseLiteral(!1);default:return
super.parseExprAtom(e) } parseLiteral(e,t,r,n){ const i=super.parseLiteral(e,t,r,n);return i.raw=i.extra.raw,delete
i.extra,i } parseFunctionBody(e,t,r=!1){ super.parseFunctionBody(e,t,r),e.expression="BlockStatement"!==e.body.type
e } parseMethod(e,t,r,n,i,s,a=!1){ let o=this.startNode();return
o.kind=e.kind,o=super.parseMethod(o,t,r,n,i,s,a),o.type="FunctionExpression",delete
o.kind,e.value=o,s="ClassMethod"===s?"MethodDefinition":s,this.finishNode(e,s) } parseObjectMethod(e,t,r,n,i){ co
nst s=super.parseObjectMethod(e,t,r,n,i);return
s&&(s.type="Property", "method"===s.kind&&(s.kind="init"),s.shorthand=!1),s } parseObjectProperty(e,t,r,n,i){ cons
t s=super.parseObjectProperty(e,t,r,n,i);return s&&(s.kind="init",s.type="Property"),s } toAssignable(e){ return
T(e)?(this.toAssignable(e.value),e):super.toAssignable(e) } toAssignableObjectExpressionProp(e,t){ if("get"===e.kin
d||"set"===e.kind)throw this.raise(e.key.start,y.PatternHasAccessor);if(e.method)throw
this.raise(e.key.start,y.PatternHasMethod);super.toAssignableObjectExpressionProp(e,t) } finishCallExpression(e,t){ r
eturn
super.finishCallExpression(e,t), "Import"===e.callee.type&&(e.type="ImportExpression",e.source=e.arguments[0],d
elete e.arguments,delete
e.callee,e) } toReferencedArguments(e){ "ImportExpression"!==e.type&&super.toReferencedArguments(e) } parseEx
port(e){ switch(super.parseExport(e),e.type){ case "ExportAllDeclaration":e.exported=null;break;case "ExportNamed
Declaration":1===e.specifiers.length&&"ExportNamespaceSpecifier"===e.specifiers[0].type&&(e.type="ExportAll
Declaration",e.exported=e.specifiers[0].exported,delete e.specifiers) } return e } parseSubscript(e,t,r,n,i){ const
s=super.parseSubscript(e,t,r,n,i);if(i.optionalChainMember){ if("OptionalMemberExpression"!==s.type&&"Optional
CallExpression"!==s.type||(s.type=s.type.substr(8)),i.stop){ const e=this.startNodeAtNode(s);return
e.expression=s,this.finishNode(e,"ChainExpression") } } else "MemberExpression"!==s.type&&"CallExpression"!==s
.type||(s.optional=!1);return s } } ,jsx:e=>class extends e{ jsxReadToken(){ let
e="",t=this.state.pos;for(;;){ if(this.state.pos>=this.length)throw
this.raise(this.state.start,G.UnterminatedJsxCContent);const r=this.input.charCodeAtAt(this.state.pos);switch(r){ case
60:case 123:return
this.state.pos===this.state.start?60===r&&this.state.exprAllowed?(++this.state.pos,this.finishToken(o.jsxTagStart))
:super.getTokenFromCode(r):(e+=this.input.slice(t,this.state.pos),this.finishToken(o.jsxText,e));case
38:e+=this.input.slice(t,this.state.pos),e+=this.jsxReadEntity(),t=this.state.pos;break;default:p(r)?(e+=this.input.slice
(t,this.state.pos),e+=this.jsxReadNewLine(!0),t=this.state.pos):++this.state.pos } } } jsxReadNewLine(e){ const
t=this.input.charCodeAtAt(this.state.pos);let
r;return ++this.state.pos, 13===t&&10===this.input.charCodeAtAt(this.state.pos)?(++this.state.pos,r=e?"\n":"\r\n"):r=S
tring.fromCharCode(t),++this.state.curLine,this.state.lineStart=this.state.pos,r } jsxReadString(e){ let
t="",r=++this.state.pos;for(;;){ if(this.state.pos>=this.length)throw
this.raise(this.state.start,y.UnterminatedString);const
n=this.input.charCodeAtAt(this.state.pos);if(n===e)break;38===n?(t+=this.input.slice(r,this.state.pos),t+=this.jsxRead
Entity(),r=this.state.pos):p(n)?(t+=this.input.slice(r,this.state.pos),t+=this.jsxReadNewLine(!1),r=this.state.pos):++th
is.state.pos } return t+=this.input.slice(r,this.state.pos++),this.finishToken(o.string,t) } } jsxReadEntity(){ let
e,t="",r=0,n=this.input[this.state.pos];const
i=++this.state.pos;for(;this.state.pos<this.length&&r++<10;){ if(n=this.input[this.state.pos++],";"===n){ "#"===t[0]?
"x"===t[1]?(t=t.substr(2),J.test(t)&&(e=String.fromCharCode(parseInt(t,16)))):(t=t.substr(1),H.test(t)&&(e=String.
fromCharCode(parseInt(t,10)))):e=X[t];break } t+=n } return e||(this.state.pos=i,"&") } } jsxReadWord(){ let e;const
t=this.state.pos;do{ e=this.input.charCodeAtAt(++this.state.pos) } while(!e||45===e);return
this.finishToken(o.jsxName,this.input.slice(t,this.state.pos)) } } jsxParseIdentifier(){ const e=this.startNode();return
this.match(o.jsxName)?e.name=this.state.value:this.state.type.keyword?e.name=this.state.type.keyword:this.unexpe

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cted(),this.next(),this.finishNode(e,"JSXIdentifier"))jsxParseNamespacedName(){const
e=this.state.start,t=this.state.startLoc,r=this.jsxParseIdentifier();if(!this.eat(o.colon))return r;const
n=this.startNodeAt(e,t);return
n.namespace=r,n.name=this.jsxParseIdentifier(),this.finishNode(n,"JSXNamespacedName")}jsxParseElementName
(){const e=this.state.start,t=this.state.startLoc;let
r=this.jsxParseNamespacedName();if("JSXNamespacedName"===r.type)return r;for(;this.eat(o.dot);){const
n=this.startNodeAt(e,t);n.object=r,n.property=this.jsxParseIdentifier(),r=this.finishNode(n,"JSXMemberExpression"
)}return r}jsxParseAttributeValue(){let e;switch(this.state.type){case o.braceL:return
e=this.startNode(),this.next(),e=this.jsxParseExpressionContainer(e),"JSXEmptyExpression"===e.expression.type&
&this.raise(e.start,G.AttributeIsEmpty),e;case o.jsxTagStart:case o.string:return this.parseExprAtom();default:throw
this.raise(this.state.start,G.UnsupportedJsxValue)}}jsxParseEmptyExpression(){const
e=this.startNodeAt(this.state.lastTokEnd,this.state.lastTokEndLoc);return
this.finishNodeAt(e,"JSXEmptyExpression",this.state.start,this.state.startLoc)}jsxParseSpreadChild(e){return
this.next(),e.expression=this.parseExpression(),this.expect(o.braceR),this.finishNode(e,"JSXSpreadChild")}jsxParse
ExpressionContainer(e){return
this.match(o.braceR)?e.expression=this.jsxParseEmptyExpression():e.expression=this.parseExpression(),this.expect(
o.braceR),this.finishNode(e,"JSXExpressionContainer")}jsxParseAttribute(){const e=this.startNode();return
this.eat(o.braceL)?(this.expect(o.ellipsis),e.argument=this.parseMaybeAssignAllowIn(),this.expect(o.braceR),this.fi
nishNode(e,"JSXSpreadAttribute")):(e.name=this.jsxParseNamespacedName(),e.value=this.eat(o.eq)?this.jsxParseA
ttributeValue():null,this.finishNode(e,"JSXAttribute"))}jsxParseOpeningElementAt(e,t){const
r=this.startNodeAt(e,t);return
this.match(o.jsxTagEnd)?(this.expect(o.jsxTagEnd),this.finishNode(r,"JSXOpeningFragment")):(r.name=this.jsxPar
seElementName(),this.jsxParseOpeningElementAfterName(r))}jsxParseOpeningElementAfterName(e){const
t=[];for(;!this.match(o.slash)&&!this.match(o.jsxTagEnd);)t.push(this.jsxParseAttribute());return
e.attributes=t,e.selfClosing=this.eat(o.slash),this.expect(o.jsxTagEnd),this.finishNode(e,"JSXOpeningElement")}jsx
ParseClosingElementAt(e,t){const r=this.startNodeAt(e,t);return
this.match(o.jsxTagEnd)?(this.expect(o.jsxTagEnd),this.finishNode(r,"JSXClosingFragment")):(r.name=this.jsxPar
seElementName(),this.expect(o.jsxTagEnd),this.finishNode(r,"JSXClosingElement"))}jsxParseElementAt(e,t){const
r=this.startNodeAt(e,t),n=[],i=this.jsxParseOpeningElementAt(e,t);let
s=null;if(!i.selfClosing){e:for(;;)switch(this.state.type){case
o.jsxTagStart:if(e=this.state.start,t=this.state.startLoc,this.next(),this.eat(o.slash)){s=this.jsxParseClosingElementAt(
e,t);break e}n.push(this.jsxParseElementAt(e,t));break;case o.jsxText:n.push(this.parseExprAtom());break;case
o.braceL:{const
e=this.startNode();this.next(),this.match(o.ellipsis)?n.push(this.jsxParseSpreadChild(e)):n.push(this.jsxParseExpres
sionContainer(e));break}default:throw
this.unexpected()}z(i)&&!z(s)?this.raise(s.start,G.MissingClosingTagFragment):!z(i)&&z(s)?this.raise(s.start,G.Mis
singClosingTagElement,$(i.name)):z(i)||z(s)||$(s.name)!==$(i.name)&&this.raise(s.start,G.MissingClosingTagElem
ent,$(i.name))}if(z(i)?(r.openingFragment=i,r.closingFragment=s):(r.openingElement=i,r.closingElement=s),r.child
ren=n,this.isRelational("<"))throw this.raise(this.state.start,G.UnwrappedAdjacentJSXElements);return
z(i)?this.finishNode(r,"JSXFragment"):this.finishNode(r,"JSXElement")}jsxParseElement(){const
e=this.state.start,t=this.state.startLoc;return this.next(),this.jsxParseElementAt(e,t)}parseExprAtom(e){return
this.match(o.jsxText)?this.parseLiteral(this.state.value,"JSXText"):this.match(o.jsxTagStart)?this.jsxParseElement()
:this.isRelational("<")&&33!==(this.input.charCodeAtAt(this.state.pos)?(this.finishToken(o.jsxTagStart),this.jsxParseE
lement()):super.parseExprAtom(e))}getTokenFromCode(e){if(this.state.inPropertyName)return
super.getTokenFromCode(e);const t=this.curContext();if(t===g.j_expr)return
this.jsxReadToken();if(t===g.j_oTag||t===g.j_cTag){if(O(e))return
this.jsxReadWord();if(62===e)return++this.state.pos,this.finishToken(o.jsxTagEnd);if((34===e||39===e)&&t===g.
j_oTag)return this.jsxReadString(e)}return

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60===e&&this.state.exprAllowed&&33!==(this.input.charCodeAt(this.state.pos+1)?(++this.state.pos,this.finishToken(o.jsxTagStart)):super.getTokenFromCode(e))updateContext(e){if(this.match(o.braceL)){const
t=this.curContext();t===g.j_oTag?this.state.context.push(g.braceExpression):t===g.j_expr?this.state.context.push(g.templateQuasi):super.updateContext(e),this.state.exprAllowed=!0}else{if(!this.match(o.slash)||e!==o.jsxTagStart)return super.updateContext(e);this.state.context.length-
=2,this.state.context.push(g.j_cTag,this.state.exprAllowed=!1)}}},flow:e=>class extends
e{constructor(e,t){super(e,t),this.flowPragma=void 0,this.flowPragma=void 0}shouldParseTypes(){return
this.getPluginOption("flow","all")||"flow"===this.flowPragma}shouldParseEnums(){return!!this.getPluginOption("f
low","enums")}finishToken(e,t){return e!==o.string&&e!==o.semi&&e!==o.interpreterDirective&&void
0===this.flowPragma&&(this.flowPragma=null),super.finishToken(e,t)}addComment(e){if(void
0===this.flowPragma){const
t=W.exec(e.value);if(t)if("flow"===t[1])this.flowPragma="flow";else{if("noflow"!==t[1])throw new
Error("Unexpected flow pragma");this.flowPragma="noflow"}else;}return
super.addComment(e)}flowParseTypeInitialiser(e){const
t=this.state.inType;this.state.inType=!0,this.expect(e||o.colon);const r=this.flowParseType();return
this.state.inType=t,r}flowParsePredicate(){const
e=this.startNode(),t=this.state.startLoc,r=this.state.start;this.expect(o.modulo);const n=this.state.startLoc;return
this.expectContextual("checks"),t.line===n.line&&t.column===n.column-
1||this.raise(r,V.UnexpectedSpaceBetweenModuloChecks),this.eat(o.parenL)?(e.value=this.parseExpression(),this.e
xpect(o.parenR),this.finishNode(e,"DeclaredPredicate")):this.finishNode(e,"InferredPredicate")}flowParseTypeAnd
PredicateInitialiser(){const e=this.state.inType;this.state.inType=!0,this.expect(o.colon);let t=null,r=null;return
this.match(o.modulo)?(this.state.inType=e,r=this.flowParsePredicate()):t=this.flowParseType(),this.state.inType=e,
this.match(o.modulo)&&(r=this.flowParsePredicate()),[t,r]}flowParseDeclareClass(e){return
this.next(),this.flowParseInterfaceish(e,!0),this.finishNode(e,"DeclareClass")}flowParseDeclareFunction(e){this.nex
t();const
t=e.id=this.parseIdentifier(),r=this.startNode(),n=this.startNode();this.isRelational("<")?r.typeParameters=this.flowP
arseTypeParameterDeclaration():r.typeParameters=null,this.expect(o.parenL);const
i=this.flowParseFunctionTypeParams();return
r.params=i.params,r.rest=i.rest,this.expect(o.parenR),[r.returnType,e.predicate]=this.flowParseTypeAndPredicateIni
tialiser(),n.typeAnnotation=this.finishNode(r,"FunctionTypeAnnotation"),t.typeAnnotation=this.finishNode(n,"Type
Annotation"),this.resetEndLocation(t),this.semicolon(),this.finishNode(e,"DeclareFunction")}flowParseDeclare(e,t)
{if(this.match(o._class))return this.flowParseDeclareClass(e);if(this.match(o._function))return
this.flowParseDeclareFunction(e);if(this.match(o._var))return
this.flowParseDeclareVariable(e);if(this.eatContextual("module"))return
this.match(o.dot)?this.flowParseDeclareModuleExports(e):(t&&this.raise(this.state.lastTokStart,V.NestedDeclareM
odule),this.flowParseDeclareModule(e));if(this.isContextual("type"))return
this.flowParseDeclareTypeAlias(e);if(this.isContextual("opaque"))return
this.flowParseDeclareOpaqueType(e);if(this.isContextual("interface"))return
this.flowParseDeclareInterface(e);if(this.match(o._export))return this.flowParseDeclareExportDeclaration(e,t);throw
this.unexpected()}flowParseDeclareVariable(e){return
this.next(),e.id=this.flowParseTypeAnnotatableIdentifier(!0),this.scope.declareName(e.id.name,5,e.id.start),this.sem
icolon(),this.finishNode(e,"DeclareVariable")}flowParseDeclareModule(e){this.scope.enter(0),this.match(o.string)?
e.id=this.parseExprAtom():e.id=this.parseIdentifier();const
t=e.body=this.startNode(),r=t.body=[];for(this.expect(o.braceL);!this.match(o.braceR);){let
e=this.startNode();this.match(o._import)?(this.next(),this.isContextual("type")||this.match(o._typeof)||this.raise(this.s
tate.lastTokStart,V.InvalidNonTypeImportInDeclareModule),this.parseImport(e):(this.expectContextual("declare",
V.UnsupportedStatementInDeclareModule),e=this.flowParseDeclare(e,!0)),r.push(e)}this.scope.exit(),this.expect(o.
braceR),this.finishNode(t,"BlockStatement");let n=null,i=!1;return

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r.forEach(e=>{ !function(e){ return"DeclareExportAllDeclaration"===e.type||"DeclareExportDeclaration"===e.type
&&(!e.declaration||"TypeAlias"!==e.declaration.type&&"InterfaceDeclaration"!==e.declaration.type)}(e)"Declare
ModuleExports"===e.type&&(i&&this.raise(e.start,V.DuplicateDeclareModuleExports),"ES"===n&&this.raise(e.s
tart,V.AmbiguousDeclareModuleKind),n="CommonJS",i=!0):("CommonJS"===n&&this.raise(e.start,V.Ambiguou
sDeclareModuleKind),n="ES"))},e.kind=n||"CommonJS",this.finishNode(e,"DeclareModule")}flowParseDeclareEx
portDeclaration(e,t){if(this.expect(o._export),this.eat(o._default))return
this.match(o._function)||this.match(o._class)?e.declaration=this.flowParseDeclare(this.startNode()):e.declaration=th
is.flowParseType(),this.semicolon(),e.default=!0,this.finishNode(e,"DeclareExportDeclaration");if(this.match(o._co
nst)||this.isLet()|(this.isContextual("type")||this.isContextual("interface"))&&!t){const
e=this.state.value,t=Y[e];throw
this.raise(this.state.start,V.UnsupportedDeclareExportKind,e,t)}if(this.match(o._var)||this.match(o._function)||this.m
atch(o._class)||this.isContextual("opaque"))return
e.declaration=this.flowParseDeclare(this.startNode()),e.default=!1,this.finishNode(e,"DeclareExportDeclaration");if
(this.match(o.star)||this.match(o.braceL)||this.isContextual("interface")||this.isContextual("type")||this.isContextual("
opaque"))return"ExportNamedDeclaration"===e.type&&(e.type="ExportDeclaration",e.defau
lt=!1,delete e.exportKind),e.type="Declare"+e.type,e;throw
this.unexpected()}flowParseDeclareModuleExports(e){return
this.next(),this.expectContextual("exports"),e.typeAnnotation=this.flowParseTypeAnnotation(),this.semicolon(),this.
finishNode(e,"DeclareModuleExports")}flowParseDeclareTypeAlias(e){return
this.next(),this.flowParseTypeAlias(e),e.type="DeclareTypeAlias",e}flowParseDeclareOpaqueType(e){return
this.next(),this.flowParseOpaqueType(e,!0),e.type="DeclareOpaqueType",e}flowParseDeclareInterface(e){return
this.next(),this.flowParseInterfaceish(e),this.finishNode(e,"DeclareInterface")}flowParseInterfaceish(e,t=!1){if(e.id=
this.flowParseRestrictedIdentifier(!t,!0),this.scope.declareName(e.id.name,t?17:9,e.id.start),this.isRelational("<")?e.t
ypeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.extends=[],e.implements=[],e.m
ixins=[],this.eat(o._extends)do{e.extends.push(this.flowParseInterfaceExtends())}while(!t&&this.eat(o.comma));if(
this.isContextual("mixins")){this.next();do{e.mixins.push(this.flowParseInterfaceExtends())}while(this.eat(o.comm
a))}if(this.isContextual("implements")){this.next();do{e.implements.push(this.flowParseInterfaceExtends())}while(t
his.eat(o.comma))}e.body=this.flowParseObjectType({allowStatic:t,allowExact:!1,allowSpread:!1,allowProto:t,allo
wInexact:!1})}flowParseInterfaceExtends(){const e=this.startNode();return
e.id=this.flowParseQualifiedTypeIdentifier(),this.isRelational("<")?e.typeParameters=this.flowParseTypeParameterI
nstantiation():e.typeParameters=null,this.finishNode(e,"InterfaceExtends")}flowParseInterface(e){return
this.flowParseInterfaceish(e),this.finishNode(e,"InterfaceDeclaration")}checkNotUnderscore(e){"_ "===e&&this.rai
se(this.state.start,V.UnexpectedReservedUnderscore)}checkReservedType(e,t,r){U.has(e)&&this.raise(t,r?V.Assign
ReservedType:V.UnexpectedReservedType,e)}flowParseRestrictedIdentifier(e,t){return
this.checkReservedType(this.state.value,this.state.start,t),this.parseIdentifier(e)}flowParseTypeAlias(e){return
e.id=this.flowParseRestrictedIdentifier(!1,!0),this.scope.declareName(e.id.name,9,e.id.start),this.isRelational("<")?e.
typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.right=this.flowParseTypeInitial
iser(o.eq),this.semicolon(),this.finishNode(e,"TypeAlias")}flowParseOpaqueType(e,t){return
this.expectContextual("type"),e.id=this.flowParseRestrictedIdentifier(!0,!0),this.scope.declareName(e.id.name,9,e.id
.start),this.isRelational("<")?e.typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.s
upertype=null,this.match(o.colon)&&(e.supertype=this.flowParseTypeInitialiser(o.colon)),e.impltype=null,t|(e.impl
type=this.flowParseTypeInitialiser(o.eq)),this.semicolon(),this.finishNode(e,"OpaqueType")}flowParseTypeParame
ter(e=!1){const
t=this.state.start,r=this.startNode(),n=this.flowParseVariance(),i=this.flowParseTypeAnnotatableIdentifier();return
r.name=i.name,r.variance=n,r.bound=i.typeAnnotation,this.match(o.eq)?(this.eat(o.eq),r.default=this.flowParseType
()):e&&this.raise(t,V.MissingTypeParamDefault),this.finishNode(r,"TypeParameter")}flowParseTypeParameterDec
laration(){const
e=this.state.inType,t=this.startNode();t.params=[],this.state.inType=!0,this.isRelational("<")||this.match(o.jsxTagSta

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rt)?this.next():this.unexpected();let r=!1;do{const
e=this.flowParseTypeParameter(r);t.params.push(e),e.default&&(r=!0),this.isRelational(">")||this.expect(o.comma)}
while(!this.isRelational(">"));return
this.expectRelational(">"),this.state.inType=e,this.finishNode(t,"TypeParameterDeclaration")}flowParseTypeParam
eterInstantiation(){const
e=this.startNode(),t=this.state.inType;e.params=[],this.state.inType=!0,this.expectRelational("<");const
r=this.state.noAnonFunctionType;for(this.state.noAnonFunctionType=!1;!this.isRelational(">");)e.params.push(this.
flowParseType()),this.isRelational(">")||this.expect(o.comma);return
this.state.noAnonFunctionType=r,this.expectRelational(">"),this.state.inType=t,this.finishNode(e,"TypeParameterIn
stantiation")}flowParseTypeParameterInstantiationCallOrNew(){const
e=this.startNode(),t=this.state.inType;for(e.params=[],this.state.inType=!0,this.expectRelational("<");!this.isRelatio
nal(">");)e.params.push(this.flowParseTypeOrImplicitInstantiation()),this.isRelational(">")||this.expect(o.comma);re
turn
this.expectRelational(">"),this.state.inType=t,this.finishNode(e,"TypeParameterInstantiation")}flowParseInterfaceT
ype(){const
e=this.startNode();if(this.expectContextual("interface"),e.extends=[],this.eat(o._extends))do{e.extends.push(this.flo
wParseInterfaceExtends())}while(this.eat(o.comma));return
e.body=this.flowParseObjectType({allowStatic:!1,allowExact:!1,allowSpread:!1,allowProto:!1,allowInexact:!1}),thi
s.finishNode(e,"InterfaceTypeAnnotation")}flowParseObjectPropertyKey(){return
this.match(o.num)||this.match(o.string)?this.parseExprAtom():this.parseIdentifier(!0)}flowParseObjectTypeIndexer(
e,t,r){return
e.static=t,this.lookahead().type===o.colon?(e.id=this.flowParseObjectPropertyKey(),e.key=this.flowParseTypeInitia
liser()):e.id=null,e.key=this.flowParseType(),this.expect(o.bracketR),e.value=this.flowParseTypeInitialiser(),e.vari
ance=r,this.finishNode(e,"ObjectTypeIndexer")}flowParseObjectTypeInternalSlot(e,t){return
e.static=t,e.id=this.flowParseObjectPropertyKey(),this.expect(o.bracketR),this.expect(o.bracketR),this.isRelational("
<")||this.match(o.parenL)?(e.method=!0,e.optional=!1,e.value=this.flowParseObjectTypeMethodish(this.startNodeA
t(e.start,e.loc.start))):(e.method=!1,this.eat(o.question)&&(e.optional=!0),e.value=this.flowParseTypeInitialiser()),th
is.finishNode(e,"ObjectTypeInternalSlot")}flowParseObjectTypeMethodish(e){for(e.params=[],e.rest=null,e.typePa
rameters=null,this.isRelational("<")&&(e.typeParameters=this.flowParseTypeParameterDeclaration()),this.expect(o.
parenL);!this.match(o.parenR)&&!this.match(o.ellipsis);)e.params.push(this.flowParseFunctionTypeParam()),this.m
atch(o.parenR)||this.expect(o.comma);return
this.eat(o.ellipsis)&&(e.rest=this.flowParseFunctionTypeParam()),this.expect(o.parenR),e.returnType=this.flowPars
eTypeInitialiser(),this.finishNode(e,"FunctionTypeAnnotation")}flowParseObjectTypeCallProperty(e,t){const
r=this.startNode();return
e.static=t,e.value=this.flowParseObjectTypeMethodish(r),this.finishNode(e,"ObjectTypeCallProperty")}flowParseO
bjectType({allowStatic:e,allowExact:t,allowSpread:r,allowProto:n,allowInexact:i}){const
s=this.state.inType;this.state.inType=!0;const a=this.startNode();let
l,c;a.callProperties=[],a.properties=[],a.indexers=[],a.internalSlots=[];let
p=!1;for(t&&this.match(o.braceBarL)?(this.expect(o.braceBarL),l=o.braceBarR,c=!0):(this.expect(o.braceL),l=o.bra
ceR,c=!1),a.exact=c;!this.match(l);){let t=!1,s=null,l=null;const
u=this.startNode();if(n&&this.isContextual("proto")){const
t=this.lookahead();t.type===o.colon&&t.type===o.question&&(this.next(),s=this.state.start,e=!1)}if(e&&this.isCont
extual("static")){const e=this.lookahead();e.type===o.colon&&e.type===o.question&&(this.next(),t=!0)}const
d=this.flowParseVariance();if(this.eat(o.bracketL))null!=s&&this.unexpected(s),this.eat(o.bracketL)?(d&&this.unex
pected(d.start),a.internalSlots.push(this.flowParseObjectTypeInternalSlot(u,t)):a.indexers.push(this.flowParseObjec
tTypeIndexer(u,t,d));else
if(this.match(o.parenL)||this.isRelational("<"))null!=s&&this.unexpected(s),d&&this.unexpected(d.start),a.callPrope
rties.push(this.flowParseObjectTypeCallProperty(u,t));else{let

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e="init";if(this.isContextual("get")||this.isContextual("set")){const
t=this.lookahead();t.type!==(o.name&&t.type!==(o.string&&t.type!==(o.num||e=this.state.value,this.next()))const
n=this.flowParseObjectTypeProperty(u,t,s,d,e,r,null!=i?:i!c);null===n?(p=!0,l=this.state.lastTokStart):a.properties.p
ush(n)}this.flowObjectTypeSemicolon(!||this.match(o.braceR)||this.match(o.braceBarR)||this.raise(l,V.Unexpected
ExplicitInexactInObject)}this.expect(l,r&&(a.inexact=p));const
u=this.finishNode(a,"ObjectTypeAnnotation");return
this.state.inType=s,u}flowParseObjectTypeProperty(e,t,r,n,i,s,a){if(this.eat(o.ellipsis)){return
this.match(o.comma)||this.match(o.semi)||this.match(o.braceR)||this.match(o.braceBarR)?(s?a||this.raise(this.state.las
tTokStart,V.InexactInsideExact):this.raise(this.state.lastTokStart,V.InexactInsideNonObject),n&&this.raise(n.start,
V.InexactVariance),null):(s||this.raise(this.state.lastTokStart,V.UnexpectedSpreadType),null!=r&&this.unexpected(r
),n&&this.raise(n.start,V.SpreadVariance),e.argument=this.flowParseType(),this.finishNode(e,"ObjectTypeSpreadP
roperty"))}{e.key=this.flowParseObjectPropertyKey(),e.static=t,e.proto=null!=r,e.kind=i;let s=!1;return
this.isRelational("<")||this.match(o.parenL)?(e.method=!0,null!=r&&this.unexpected(r),n&&this.unexpected(n.start
),e.value=this.flowParseObjectTypeMethodish(this.startNodeAt(e.start,e.loc.start)),"get"!==i&&"set"!==i||this.flowC
heckGetterSetterParams(e)):(("init"!==i&&this.unexpected(),e.method=!1,this.eat(o.question)&&(s=!0),e.value=this.
flowParseTypeInitialiser(),e.variance=n),e.optional=s,this.finishNode(e,"ObjectTypeProperty"))}flowCheckGetterS
etterParams(e){const
t="get"===e.kind?0:1,r=e.start;e.value.params.length+(e.value.rest?1:0)!==t&&("get"===e.kind?this.raise(r,y.BadG
etterArity):this.raise(r,y.BadSetterArity)),"set"===e.kind&&e.value.rest&&this.raise(r,y.BadSetterRestParameter)}f
lowObjectTypeSemicolon(){this.eat(o.semi)||this.eat(o.comma)||this.match(o.braceR)||this.match(o.braceBarR)||this.
unexpected()}flowParseQualifiedTypeIdentifier(e,t,r){e=e||this.state.start,t=t||this.state.startLoc;let
n=r||this.flowParseRestrictedIdentifier(!0);for(;this.eat(o.dot);){const
r=this.startNodeAt(e,t);r.qualification=n,r.id=this.flowParseRestrictedIdentifier(!0),n=this.finishNode(r,"QualifiedT
ypeIdentifier")}return n}flowParseGenericType(e,t,r){const n=this.startNodeAt(e,t);return
n.typeParameters=null,n.id=this.flowParseQualifiedTypeIdentifier(e,t,r),this.isRelational("<")&&(n.typeParameters
=this.flowParseTypeParameterInstantiation()),this.finishNode(n,"GenericTypeAnnotation")}flowParseTypeofType()
{const e=this.startNode();return
this.expect(o._typeof),e.argument=this.flowParsePrimaryType(),this.finishNode(e,"TypeofTypeAnnotation")}flowP
arseTupleType(){const
e=this.startNode();for(e.types=[],this.expect(o.bracketL);this.state.pos<this.length&&!this.match(o.bracketR)&&(e.t
ypes.push(this.flowParseType()),!this.match(o.bracketR));)this.expect(o.comma);return
this.expect(o.bracketR),this.finishNode(e,"TupleTypeAnnotation")}flowParseFunctionTypeParam(){let
e=null,t=!1,r=null;const n=this.startNode(),i=this.lookahead();return
i.type===o.colon|i.type===o.question?(e=this.parseIdentifier(),this.eat(o.question)&&(t=!0),r=this.flowParseTypeI
nitialiser()):r=this.flowParseType(),n.name=e,n.optional=t,n.typeAnnotation=r,this.finishNode(n,"FunctionTypePara
m")}reinterpretTypeAsFunctionTypeParam(e){const t=this.startNodeAt(e.start,e.loc.start);return
t.name=null,t.optional=!1,t.typeAnnotation=e,this.finishNode(t,"FunctionTypeParam")}flowParseFunctionTypePara
ms(e=[]){let
t=null;for(;!this.match(o.parenR)&&!this.match(o.ellipsis);)e.push(this.flowParseFunctionTypeParam()),this.match(
o.parenR)||this.expect(o.comma);return
this.eat(o.ellipsis)&&(t=this.flowParseFunctionTypeParam()),{params:e,rest:t}}flowIdentToTypeAnnotation(e,t,r,n)
{switch(n.name){case"any":return this.finishNode(r,"AnyTypeAnnotation");case"bool":case"boolean":return
this.finishNode(r,"BooleanTypeAnnotation");case"mixed":return
this.finishNode(r,"MixedTypeAnnotation");case"empty":return
this.finishNode(r,"EmptyTypeAnnotation");case"number":return
this.finishNode(r,"NumberTypeAnnotation");case"string":return
this.finishNode(r,"StringTypeAnnotation");case"symbol":return
this.finishNode(r,"SymbolTypeAnnotation");default:return

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this.checkNotUnderscore(n.name),this.flowParseGenericType(e,t,n)}flowParsePrimaryType(){const
e=this.state.start,t=this.state.startLoc,r=this.startNode();let n,i,s=!1;const
a=this.state.noAnonFunctionType;switch(this.state.type){case o.name:return
this.isContextual("interface"?this.flowParseInterfaceType():this.flowIdentToTypeAnnotation(e,t,r,this.parseIdentifier()));case o.braceL:return
this.flowParseObjectType({allowStatic:!1,allowExact:!1,allowSpread:!0,allowProto:!1,allowInexact:!0});case
o.braceBarL:return
this.flowParseObjectType({allowStatic:!1,allowExact:!0,allowSpread:!0,allowProto:!1,allowInexact:!1});case
o.bracketL:return
this.state.noAnonFunctionType=!1,i=this.flowParseTupleType(),this.state.noAnonFunctionType=a,i;case
o.relational:if("<"===this.state.value)return
r.typeParameters=this.flowParseTypeParameterDeclaration(),this.expect(o.parenL),n=this.flowParseFunctionTypeParameters(),r.params=n.params,r.rest=n.rest,this.expect(o.parenR),this.expect(o.arrow),r.returnType=this.flowParseType(),this.finishNode(r,"FunctionTypeAnnotation");break;case
o.parenL:if(this.next(),!this.match(o.parenR)&&!this.match(o.ellipsis))if(this.match(o.name)){const
e=this.lookahead().type;s=e!==o.question&&e!==o.colon}else
s=!0;if(s){if(this.state.noAnonFunctionType=!1,i=this.flowParseType(),this.state.noAnonFunctionType=a,this.state.noAnonFunctionType||!(this.match(o.comma)||this.match(o.parenR)&&this.lookahead().type===o.arrow))return
this.expect(o.parenR),i;this.eat(o.comma)}return
n=i?this.flowParseFunctionTypeParameters([this.reinterpretTypeAsFunctionTypeParam(i)]:this.flowParseFunctionTypeParameters(),r.params=n.params,r.rest=n.rest,this.expect(o.parenR),this.expect(o.arrow),r.returnType=this.flowParseType(),r.typeParameters=null,this.finishNode(r,"FunctionTypeAnnotation");case o.string:return
this.parseLiteral(this.state.value,"StringLiteralTypeAnnotation");case o._true:case o._false:return
r.value=this.match(o._true),this.next(),this.finishNode(r,"BooleanLiteralTypeAnnotation");case o.plusMin:if("-"===this.state.value){if(this.next(),this.match(o.num))return this.parseLiteral(-
this.state.value,"NumberLiteralTypeAnnotation",r.start,r.loc.start);if(this.match(o.bigint))return this.parseLiteral(-
this.state.value,"BigIntLiteralTypeAnnotation",r.start,r.loc.start);throw
this.raise(this.state.start,V.UnexpectedSubtractionOperand)}throw this.unexpected();case o.num:return
this.parseLiteral(this.state.value,"NumberLiteralTypeAnnotation");case o.bigint:return
this.parseLiteral(this.state.value,"BigIntLiteralTypeAnnotation");case o._void:return
this.next(),this.finishNode(r,"VoidTypeAnnotation");case o._null:return
this.next(),this.finishNode(r,"NullLiteralTypeAnnotation");case o._this:return
this.next(),this.finishNode(r,"ThisTypeAnnotation");case o.star:return
this.next(),this.finishNode(r,"ExistsTypeAnnotation");default:if("typeof"===this.state.type.keyword)return
this.flowParseTypeofType();if(this.state.type.keyword){const e=this.state.type.label;return
this.next(),super.createIdentifier(r,e)}}throw this.unexpected()}flowParsePostfixType(){const
e=this.state.start,t=this.state.startLoc;let
r=this.flowParsePrimaryType();for(;this.match(o.bracketL)&&!this.canInsertSemicolon());{const
n=this.startNodeAt(e,t);n.elementType=r,this.expect(o.bracketL),this.expect(o.bracketR),r=this.finishNode(n,"ArrayTypeAnnotation")}return r}flowParsePrefixType(){const e=this.startNode();return
this.eat(o.question)?(e.typeAnnotation=this.flowParsePrefixType(),this.finishNode(e,"NullableTypeAnnotation")):this.flowParsePostfixType()}flowParseAnonFunctionWithoutParens(){const
e=this.flowParsePrefixType();if(!this.state.noAnonFunctionType&&this.eat(o.arrow)){const
t=this.startNodeAt(e.start,e.loc.start);return
t.params=[this.reinterpretTypeAsFunctionTypeParam(e)],t.rest=null,t.returnType=this.flowParseType(),t.typeParameters=null,this.finishNode(t,"FunctionTypeAnnotation")}return e}flowParseIntersectionType(){const
e=this.startNode();this.eat(o.bitwiseAND);const
t=this.flowParseAnonFunctionWithoutParens();for(e.types=[t];this.eat(o.bitwiseAND);)e.types.push(this.flowParse

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AnonFunctionWithoutParens());return
1===e.types.length?t:this.finishNode(e,"IntersectionTypeAnnotation")}flowParseUnionType(){const
e=this.startNode();this.eat(o.bitwiseOR);const
t=this.flowParseIntersectionType();for(e.types=[t];this.eat(o.bitwiseOR);)e.types.push(this.flowParseIntersectionTy
pe());return 1===e.types.length?t:this.finishNode(e,"UnionTypeAnnotation")}flowParseType(){const
e=this.state.inType;this.state.inType=!0;const t=this.flowParseUnionType();return
this.state.inType=e,this.state.exprAllowed=this.state.exprAllowed||this.state.noAnonFunctionType,t}flowParseType
OrImplicitInstantiation(){if(this.state.type===o.name&&"_"===this.state.value){const
e=this.state.start,t=this.state.startLoc,r=this.parseIdentifier();return this.flowParseGenericType(e,t,r)}return
this.flowParseType()}flowParseTypeAnnotation(){const e=this.startNode();return
e.typeAnnotation=this.flowParseTypeInitialiser(),this.finishNode(e,"TypeAnnotation")}flowParseTypeAnnotatableI
dentifier(e){const t=e?this.parseIdentifier():this.flowParseRestrictedIdentifier();return
this.match(o.colon)&&(t.typeAnnotation=this.flowParseTypeAnnotation(),this.resetEndLocation(t),t)}typeCastToPa
rameter(e){return
e.expression.typeAnnotation=e.typeAnnotation,this.resetEndLocation(e.expression,e.typeAnnotation.end,e.typeAnn
otation.loc.end),e.expression}flowParseVariance(){let e=null;return
this.match(o.plusMin)&&(e=this.startNode(),"+"===this.state.value?e.kind="plus":e.kind="minus",this.next(),this.fi
nishNode(e,"Variance")),e}parseFunctionBody(e,t,r=!1){return
t?this.forwardNoArrowParamsConversionAt(e,()=>super.parseFunctionBody(e,!0,r)):super.parseFunctionBody(e,!1,
r)}parseFunctionBodyAndFinish(e,t,r=!1){if(this.match(o.colon)){const
t=this.startNode();[t.typeAnnotation,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),e.returnType=t.typeA
nnotation?this.finishNode(t,"TypeAnnotation"):null}super.parseFunctionBodyAndFinish(e,t,r)}parseStatement(e,t){
if(this.state.strict&&this.match(o.name)&&"interface"===this.state.value){const
e=this.lookahead();if(e.type===o.name||R(e.value)){const e=this.startNode();return
this.next(),this.flowParseInterface(e)}else if(this.shouldParseEnums()&&this.isContextual("enum")){const
e=this.startNode();return this.next(),this.flowParseEnumDeclaration(e)}const r=super.parseStatement(e,t);return
void
0!==(this.flowPragma||this.isValidDirective(r)||this.flowPragma=null),r}parseExpressionStatement(e,t){if("Identifie
r"===t.type)if("declare"===t.name){if(this.match(o._class)||this.match(o.name)||this.match(o._function)||this.match(
o._var)||this.match(o._export))return this.flowParseDeclare(e)}else
if(this.match(o.name)){if("interface"===t.name)return this.flowParseInterface(e);if("type"===t.name)return
this.flowParseTypeAlias(e);if("opaque"===t.name)return this.flowParseOpaqueType(e,!1)}return
super.parseExpressionStatement(e,t)}shouldParseExportDeclaration(){return
this.isContextual("type")||this.isContextual("interface")||this.isContextual("opaque")||this.shouldParseEnums()&&thi
s.isContextual("enum")||super.shouldParseExportDeclaration()}isExportDefaultSpecifier(){return(!this.match(o.nam
e)||!("type"===this.state.value||"interface"===this.state.value||"opaque"===this.state.value||this.shouldParseEnums()
&&"enum"===this.state.value))&&super.isExportDefaultSpecifier()}parseExportDefaultExpression(){if(this.should
ParseEnums()&&this.isContextual("enum")){const e=this.startNode();return
this.next(),this.flowParseEnumDeclaration(e)}return
super.parseExportDefaultExpression()}parseConditional(e,t,r,n){if(!this.match(o.question))return e;if(n){const
i=this.tryParse( ()=>super.parseConditional(e,t,r));return
i.node?(i.error&&(this.state=i.failState),i.node):(n.start=i.error.pos||this.state.start,e)}this.expect(o.question);const
i=this.state.clone(),s=this.state.noArrowAt,a=this.startNodeAt(t,r);let {consequent:l,failed:c}=this.tryParseCondition
alConsequent(),[p,u]=this.getArrowLikeExpressions(l);if(c||u.length>0){const
e=[...s];if(u.length>0){this.state=i,this.state.noArrowAt=e;for(let
t=0;t<u.length;t++)e.push(u[t].start);({consequent:l,failed:c}=this.tryParseConditionalConsequent(),[p,u]=this.getA
rrowLikeExpressions(l)}c&&p.length>1&&this.raise(i.start,V.AmbiguousConditionalArrow),c&&1===p.length&
&(this.state=i,this.state.noArrowAt=e.concat(p[0].start),({consequent:l,failed:c}=this.tryParseConditionalConsequ

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nt()))return
this.getArrowLikeExpressions(l,!0),this.state.noArrowAt=s,this.expect(o.colon),a.test=e,a.consequent=l,a.alternate=
this.forwardNoArrowParamsConversionAt(a,(=)>this.parseMaybeAssign(void 0,void 0,void
0)),this.finishNode(a,"ConditionalExpression")}tryParseConditionalConsequent(){this.state.noArrowParamsConver
sionAt.push(this.state.start);const e=this.parseMaybeAssignAllowIn(),t=!this.match(o.colon);return
this.state.noArrowParamsConversionAt.pop(),{consequent:e,failed:t}}getArrowLikeExpressions(e,t){const
r=[e],n=[];for(;0!==r.length;){const
e=r.pop();"ArrowFunctionExpression"===e.type?(e.typeParameters||!e.returnType?this.finishArrowValidation(e):n.
push(e),r.push(e.body)):"ConditionalExpression"===e.type&&(r.push(e.consequent),r.push(e.alternate))}return
t?(n.forEach(e=>this.finishArrowValidation(e)),[n,[]]):function(e,t){const r=[],n=[];for(let
i=0;i<e.length;i++){t(e[i],i,e)?r:n.push(e[i]);return[r,n]}(n,e=>e.params.every(e=>this.isAssignable(e,!0)))}finishAr
rowValidation(e){var t;this.toAssignableList(e.params,null==(t=e.extra)?void
0:t.trailingComma),this.scope.enter(6),super.checkParams(e,!1,!0),this.scope.exit()}forwardNoArrowParamsConver
sionAt(e,t){let r;return-
1!==this.state.noArrowParamsConversionAt.indexOf(e.start)?(this.state.noArrowParamsConversionAt.push(this.stat
e.start),r=t(),this.state.noArrowParamsConversionAt.pop()):r=t(),r}parseParenItem(e,t,r){if(e=super.parseParenItem
(e,t,r),this.eat(o.question)&&(e.optional=!0,this.resetEndLocation(e)),this.match(o.colon)){const
n=this.startNodeAt(t,r);return
n.expression=e,n.typeAnnotation=this.flowParseTypeAnnotation(),this.finishNode(n,"TypeCastExpression")}return
e}assertModuleNodeAllowed(e){"ImportDeclaration"===e.type&&("type"===e.importKind||"typeof"===e.import
Kind)||"ExportNamedDeclaration"===e.type&&"type"===e.exportKind||"ExportAllDeclaration"===e.type&&"type
"===e.exportKind||super.assertModuleNodeAllowed(e)}parseExport(e){const
t=super.parseExport(e);return"ExportNamedDeclaration"!==t.type&&"ExportAllDeclaration"!==t.type||(t.exportKin
d=t.exportKind||"value"),t}parseExportDeclaration(e){if(this.isContextual("type")){e.exportKind="type";const
t=this.startNode();return
this.next(),this.match(o.braceL)?(e.specifiers=this.parseExportSpecifiers(),this.parseExportFrom(e),null):this.flowPa
rseTypeAlias(t)}if(this.isContextual("opaque")){e.exportKind="type";const t=this.startNode();return
this.next(),this.flowParseOpaqueType(t,!1)}if(this.isContextual("interface")){e.exportKind="type";const
t=this.startNode();return
this.next(),this.flowParseInterface(t)}if(this.shouldParseEnums())&&this.isContextual("enum")){e.exportKind="valu
e";const t=this.startNode();return this.next(),this.flowParseEnumDeclaration(t)}return
super.parseExportDeclaration(e)}eatExportStar(e){return!!super.eatExportStar(...arguments)||(!this.isContextual("t
ype")||this.lookahead().type!==o.star)&&(e.exportKind="type",this.next(),this.next(),!0)}maybeParseExportNamesp
aceSpecifier(e){const t=this.state.start,r=super.maybeParseExportNamespaceSpecifier(e);return
r&&"type"===e.exportKind&&this.unexpected(t,r)}parseClassId(e,t,r){super.parseClassId(e,t,r),this.isRelational("<
")&&(e.typeParameters=this.flowParseTypeParameterDeclaration())}parseClassMember(e,t,r){const
n=this.state.start;if(this.isContextual("declare")){if(this.parseClassMemberFromModifier(e,t))return;t.declare=!0}su
per.parseClassMember(e,t,r),t.declare&&("ClassProperty"!==t.type&&"ClassPrivateProperty"!==t.type?this.raise(n,
V.DeclareClassElement):t.value&&this.raise(t.value.start,V.DeclareClassFieldInitializer))}getTokenFromCode(e){c
onst t=this.input.charCodeAt(this.state.pos+1);return
123===e&&124===t?this.finishOp(o.braceBarL,2):!this.state.inType||62!==e&&60!==e?this.state.inType&&63===
=e?this.finishOp(o.question,1):function(e,t){return
64===e&&64===t}(e,t)?(this.state.isIterator=!0,super.readWord()):super.getTokenFromCode(e):this.finishOp(o.rel
ational,1)}isAssignable(e,t){switch(e.type){case"Identifier":case"ObjectPattern":case"ArrayPattern":case"Assignme
ntPattern":return!0;case"ObjectExpression":{const t=e.properties.length-1;return
e.properties.every((e,r)=>"ObjectMethod"!==e.type&&(r===t||"SpreadElement"===e.type)&&this.isAssignable(e))
}case"ObjectProperty":return this.isAssignable(e.value);case"SpreadElement":return
this.isAssignable(e.argument);case"ArrayExpression":return

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e.elements.every(e=>this.isAssignable(e));case"AssignmentExpression":return"====e.operator;case"Parenthesized
Expression":case"TypeCastExpression":return
this.isAssignable(e.expression);case"MemberExpression":case"OptionalMemberExpression":return!t;default:return!
1}}toAssignable(e){return"TypeCastExpression"===e.type?super.toAssignable(this.typeCastToParameter(e)):super.
toAssignable(e)}toAssignableList(e,t){for(let t=0;t<e.length;t++){const
r=e[t];"TypeCastExpression"===r?(null===r?void 0:r.type)&&(e[t]=this.typeCastToParameter(r))}return
super.toAssignableList(e,t)toReferencedList(e,t){for(let n=0;n<e.length;n++){var r;const
i=e[n];i&&"TypeCastExpression"===i.type&&!(null==(r=i.extra)?void
0:r.parenthesized)&&(e.length>1||!t)&&this.raise(i.typeAnnotation.start,V.TypeCastInParameter)}return
e}parseArrayLike(e,t,r,n){const i=super.parseArrayLike(e,t,r,n);return
t&&!this.state.maybeInArrowParameters&&this.toReferencedList(i.elements,i)}checkLVal(e,t=64,r,n){if("TypeCas
tExpression"!==e.type)return super.checkLVal(e,t,r,n)}parseClassProperty(e){return
this.match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),super.parseClassProperty(e)}parseClass
PrivateProperty(e){return
this.match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),super.parseClassPrivateProperty(e)}isC
lassMethod(){return this.isRelational("<")||super.isClassMethod()}isClassProperty(){return
this.match(o.colon)||super.isClassProperty()}isNonstaticConstructor(e){return!this.match(o.colon)&&super.isNonsta
ticConstructor(e)}pushClassMethod(e,t,r,n,i,s){t.variance&&this.unexpected(t.variance.start),delete
t.variance,this.isRelational("<")&&(t.typeParameters=this.flowParseTypeParameterDeclaration()),super.pushClass
Method(e,t,r,n,i,s)}pushClassPrivateMethod(e,t,r,n){t.variance&&this.unexpected(t.variance.start),delete
t.variance,this.isRelational("<")&&(t.typeParameters=this.flowParseTypeParameterDeclaration()),super.pushClassP
rivateMethod(e,t,r,n)}parseClassSuper(e){if(super.parseClassSuper(e),e.superClass&&this.isRelational("<")&&(e.s
uperTypeParameters=this.flowParseTypeParameterInstantiation()),this.isContextual("implements")){this.next();cons
t t=e.implements=[];do{const
e=this.startNode();e.id=this.flowParseRestrictedIdentifier(!0),this.isRelational("<")?e.typeParameters=this.flowPars
eTypeParameterInstantiation():e.typeParameters=null,t.push(this.finishNode(e,"ClassImplements"))}while(this.eat(o
.comma))}parsePropertyName(e,t){const r=this.flowParseVariance(),n=super.parsePropertyName(e,t);return
e.variance=r,n}parseObjPropValue(e,t,r,n,i,s,a,l){let c;e.variance&&this.unexpected(e.variance.start),delete
e.variance,this.isRelational("<")&&!a&&(c=this.flowParseTypeParameterDeclaration(),this.match(o.parenL)||this.u
nexpected()),super.parseObjPropValue(e,t,r,n,i,s,a,l),c&&((e.value||e).typeParameters=c)}parseAssignableListItemT
ypes(e){return
this.eat(o.question)&&("Identifier"!==e.type&&this.raise(e.start,V.OptionalBindingPattern),e.optional=!0),this.mat
ch(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),this.resetEndLocation(e,e)}parseMaybeDefault(
e,t,r){const
n=super.parseMaybeDefault(e,t,r);return"AssignmentPattern"===n.type&&n.typeAnnotation&&n.right.start<n.type
Annotation.start&&this.raise(n.typeAnnotation.start,V.TypeBeforeInitializer),n}shouldParseDefaultImport(e){retur
n
K(e)?q(this.state):super.shouldParseDefaultImport(e)}parseImportSpecifierLocal(e,t,r,n){t.local=K(e)?this.flowPars
eRestrictedIdentifier(!0,!0):this.parseIdentifier(),this.checkLVal(t.local,9,void
0,n),e.specifiers.push(this.finishNode(t,r))}maybeParseDefaultImportSpecifier(e){e.importKind="value";let
t=null;if(this.match(o._typeof)?t="typeof":this.isContextual("type")&&(t="type"),t){const
r=this.lookahead();"type"===t&&r.type===o.star&&this.unexpected(r.start),(q(r)||r.type===o.braceL||r.type===o.st
ar)&&(this.next(),e.importKind=t)}return
super.maybeParseDefaultImportSpecifier(e)}parseImportSpecifier(e){const
t=this.startNode(),r=this.state.start,n=this.parseModuleExportName();let
i=null;"Identifier"===n.type&&("type"===n.name?i="type":"typeof"===n.name&&(i="typeof"));let
s=!1;if(this.isContextual("as")&&!this.isLookaheadContextual("as")){const
e=this.parseIdentifier(!0);null===i||this.match(o.name)||this.state.type.keyword?(t.imported=n,t.importKind=null,t.lo

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cal=this.parseIdentifier():(t.imported=e,t.importKind=i,t.local=e.__clone())}else
if(null!==(i&&(this.match(o.name)||this.state.type.keyword))t.imported=this.parseIdentifier(!0),t.importKind=i,this.e
atContextual("as")?t.local=this.parseIdentifier():(s=!0,t.local=t.imported.__clone());else {if("StringLiteral"===n.type
)throw
this.raise(t.start,y.ImportBindingIsString,n.value);s=!0,t.imported=n,t.importKind=null,t.local=t.imported.__clone()
}const
a=K(e),l=K(t);a&&l&&this.raise(r,V.ImportTypeShorthandOnlyInPureImport),(a||l)&&this.checkReservedType(t.l
ocal.name,t.local.start,!0),!s||a||l||this.checkReservedWord(t.local.name,t.start,!0,!0),this.checkLVal(t.local,9,void
0,"import specifier"),e.specifiers.push(this.finishNode(t,"ImportSpecifier"))}parseFunctionParams(e,t){const
r=e.kind;"get"!==r&&"set"!==r&&this.isRelational("<")&&(e.typeParameters=this.flowParseTypeParameterDeclar
ation()),super.parseFunctionParams(e,t)}parseVarId(e,t){super.parseVarId(e,t),this.match(o.colon)&&(e.id.typeAnn
otation=this.flowParseTypeAnnotation(),this.resetEndLocation(e.id))}parseAsyncArrowFromCallExpression(e,t){if
(this.match(o.colon)){const
t=this.state.noAnonFunctionType;this.state.noAnonFunctionType=!0,e.returnType=this.flowParseTypeAnnotation()
,this.state.noAnonFunctionType=t}return
super.parseAsyncArrowFromCallExpression(e,t)}shouldParseAsyncArrow(){return
this.match(o.colon)||super.shouldParseAsyncArrow()}parseMaybeAssign(e,t,r){var n;let
i,s=null;if(this.hasPlugin("jsx")&&(this.match(o.jsxTagStart)||this.isRelational("<"))){if(s=this.state.clone(),i=this.tr
yParse(=>super.parseMaybeAssign(e,t,r),s),!i.error)return i.node;const {context:n}=this.state;n[n.length-
1]===g.j_oTag?n.length-=2:n[n.length-1]===g.j_expr&&(n.length-=1)}if((null==(n=i)?void
0:n.error)||this.isRelational("<")){var a,l;let n;s=s||this.state.clone();const o=this.tryParse(i=>{var
s;n=this.flowParseTypeParameterDeclaration();const a=this.forwardNoArrowParamsConversionAt(n,())=>{const
i=super.parseMaybeAssign(e,t,r);return
this.resetStartLocationFromNode(i,n,i)};"ArrowFunctionExpression"!==a.type&&(null==(s=a.extra)?void
0:s.parenthesized)&&i);const o=this.maybeUnwrapTypeCastExpression(a);return
o.typeParameters=n,this.resetStartLocationFromNode(o,n,a},s);let
c=null;if(o.node&&"ArrowFunctionExpression"===this.maybeUnwrapTypeCastExpression(o.node).type){if(!o.erro
r&&!o.aborted)return
o.node.async&&this.raise(n.start,V.UnexpectedTypeParameterBeforeAsyncArrowFunction),o.node;c=o.node}if(nul
l==(a=i)?void 0:a.node)return this.state=i.failState,i.node;if(c)return this.state=o.failState,c;if(null==(l=i)?void
0:l.thrown)throw i.error;if(o.thrown)throw o.error;throw
this.raise(n.start,V.UnexpectedTokenAfterTypeParameter)}return
super.parseMaybeAssign(e,t,r)}parseArrow(e){if(this.match(o.colon)){const t=this.tryParse(=>{const
t=this.state.noAnonFunctionType;this.state.noAnonFunctionType=!0;const
r=this.startNode();return[r.typeAnnotation,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),this.state.noAn
onFunctionType=t,this.canInsertSemicolon()&&this.unexpected(),this.match(o.arrow)||this.unexpected(),r);if(t.thro
wn)return
null;t.error&&(this.state=t.failState),e.returnType=t.node.typeAnnotation?this.finishNode(t.node,"TypeAnnotation")
:null}return super.parseArrow(e)}shouldParseArrow(){return
this.match(o.colon)||super.shouldParseArrow()}setArrowFunctionParameters(e,t){-
1!==this.state.noArrowParamsConversionAt.indexOf(e.start)?e.params=t:super.setArrowFunctionParameters(e,t)}c
heckParams(e,t,r){if(!r|-1===this.state.noArrowParamsConversionAt.indexOf(e.start))return
super.checkParams(...arguments)}parseParenAndDistinguishExpression(e){return
super.parseParenAndDistinguishExpression(e&&-
1===this.state.noArrowAt.indexOf(this.state.start))}parseSubscripts(e,t,r,n){if("Identifier"===e.type&&"async"===
e.name&&-1!==this.state.noArrowAt.indexOf(t)){this.next();const
n=this.startNodeAt(t,r);n.callee=e,n.arguments=this.parseCallExpressionArguments(o.parenR,!1),e=this.finishNode(
n,"CallExpression")}else if("Identifier"===e.type&&"async"===e.name&&this.isRelational("<")){const

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i=this.state.clone(),s=this.tryParse(e=>this.parseAsyncArrowWithTypeParameters(t,r)||e(),i);if(!s.error&&!s.aborted)
)return s.node;const a=this.tryParse(()=>super.parseSubscripts(e,t,r,n),i);if(a.node&&!a.error)return
a.node;if(s.node)return this.state=s.failState,s.node;if(a.node)return this.state=a.failState,a.node;throw
s.error||a.error}return
super.parseSubscripts(e,t,r,n)}parseSubscript(e,t,r,n,i){if(this.match(o.questionDot)&&this.isLookaheadToken_It())
{if(i.optionalChainMember=!0,n)return i.stop=!0,e;this.next();const s=this.startNodeAt(t,r);return
s.callee=e,s.typeArguments=this.flowParseTypeParameterInstantiation(),this.expect(o.parenL),s.arguments=this.par
seCallExpressionArguments(o.parenR,!1),s.optional=!0,this.finishCallExpression(s,!0)}if(!n&&this.shouldParseTyp
es())&&this.isRelational("<")){const n=this.startNodeAt(t,r);n.callee=e;const
s=this.tryParse(()=>(n.typeArguments=this.flowParseTypeParameterInstantiationCallOrNew(),this.expect(o.parenL)
,n.arguments=this.parseCallExpressionArguments(o.parenR,!1),i.optionalChainMember&&(n.optional=!1),this.finis
hCallExpression(n,i.optionalChainMember)));if(s.node)return s.error&&(this.state=s.failState),s.node}return
super.parseSubscript(e,t,r,n,i)}parseNewArguments(e){let
t=null;this.shouldParseTypes()&&this.isRelational("<")&&(t=this.tryParse(()=>this.flowParseTypeParameterInstan
tiationCallOrNew()).node),e.typeArguments=t,super.parseNewArguments(e)}parseAsyncArrowWithTypeParameter
s(e,t){const r=this.startNodeAt(e,t);if(this.parseFunctionParams(r),this.parseArrow(r))return
this.parseArrowExpression(r,void 0,!0)}readToken_mult_modulo(e){const
t=this.input.charCodeAt(this.state.pos+1);if(42===e&&47===t&&this.state.hasFlowComment)return
this.state.hasFlowComment=!1,this.state.pos+=2,void
this.nextToken();super.readToken_mult_modulo(e)}readToken_pipe_amp(e){const
t=this.input.charCodeAt(this.state.pos+1);124!==(e||125)!==(t?super.readToken_pipe_amp(e):this.finishOp(o.braceBar
R,2))}parseTopLevel(e,t){const r=super.parseTopLevel(e,t);return
this.state.hasFlowComment&&this.raise(this.state.pos,V.UnterminatedFlowComment),r}skipBlockComment(){if(th
is.hasPlugin("flowComments")&&this.skipFlowComment())return
this.state.hasFlowComment&&this.unexpected(null,V.NestedFlowComment),this.hasFlowCommentCompletion(),t
his.state.pos+=this.skipFlowComment(),void(this.state.hasFlowComment=!0);if(this.state.hasFlowComment){const
e=this.input.indexOf("*/",this.state.pos+=2);if(-1===e)throw this.raise(this.state.pos-
2,y.UnterminatedComment);this.state.pos=e+3}else
super.skipBlockComment()}skipFlowComment(){const{pos:e}=this.state;let
t=2;for(;[32,9].includes(this.input.charCodeAt(e+t));)t++;const
r=this.input.charCodeAt(t+e),n=this.input.charCodeAt(t+e+1);return 58===r&&58===n?t+2:"flow-
include"===this.input.slice(t+e,t+e+12)?t+12:58===r&&58===n&&t}hasFlowCommentCompletion(){if(-
1===this.input.indexOf("*/",this.state.pos))throw
this.raise(this.state.pos,y.UnterminatedComment)}flowEnumErrorBooleanMemberNotInitialized(e,{enumName:t,m
emberName:r}){this.raise(e,V.EnumBooleanMemberNotInitialized,r,t)}flowEnumErrorInvalidMemberName(e,{en
umName:t,memberName:r}){const
n=r[0].toUpperCase()+r.slice(1);this.raise(e,V.EnumInvalidMemberName,r,n,t)}flowEnumErrorDuplicateMemberN
ame(e,{enumName:t,memberName:r}){this.raise(e,V.EnumDuplicateMemberName,r,t)}flowEnumErrorInconsisten
tMemberValues(e,{enumName:t}){this.raise(e,V.EnumInconsistentMemberValues,t)}flowEnumErrorInvalidExplici
tType(e,{enumName:t,suppliedType:r}){return
this.raise(e,null===r?V.EnumInvalidExplicitTypeUnknownSupplied:V.EnumInvalidExplicitType,t,r)}flowEnumErr
orInvalidMemberInitializer(e,{enumName:t,explicitType:r,memberName:n}){let
i=null;switch(r){case"boolean":case"number":case"string":i=V.EnumInvalidMemberInitializerPrimaryType;break;c
ase"symbol":i=V.EnumInvalidMemberInitializerSymbolType;break;default:i=V.EnumInvalidMemberInitializerUnk
nownType}return
this.raise(e,i,t,n,r)}flowEnumErrorNumberMemberNotInitialized(e,{enumName:t,memberName:r}){this.raise(e,V.E
numNumberMemberNotInitialized,t,r)}flowEnumErrorStringMemberInconsistentlyInitailized(e,{enumName:t}){thi
s.raise(e,V.EnumStringMemberInconsistentlyInitailized,t)}flowEnumMemberInit(){const

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e=this.state.start,t=(=>this.match(o.comma)||this.match(o.braceR));switch(this.state.type){case o.num:{const
r=this.parseLiteral(this.state.value,"NumericLiteral");return
t()?(type:"number",pos:r.start,value:r):(type:"invalid",pos:e)}case o.string:{const
r=this.parseLiteral(this.state.value,"StringLiteral");return
t()?(type:"string",pos:r.start,value:r):(type:"invalid",pos:e)}case o._true:case o._false:{const
r=this.parseBooleanLiteral();return
t()?(type:"boolean",pos:r.start,value:r):(type:"invalid",pos:e)}default:return{type:"invalid",pos:e}}flowEnumMe
mberRaw(){const
e=this.state.start;return{id:this.parseIdentifier(!),init:this.eat(o.eq)?this.flowEnumMemberInit():{type:"none",pos:e
}}flowEnumCheckExplicitTypeMismatch(e,t,r){const{explicitType:n}=t;null!==(n&&e&&n!==(r&&this.flowEnumError
InvalidMemberInitializer(e,t))flowEnumMembers({enumName:e,explicitType:t}){const r=new
Set,n={booleanMembers:[],numberMembers:[],stringMembers:[],defaultedMembers:[]};for(;!this.match(o.braceR);)
{const i=this.startNode(),{id:s,init:a}=this.flowEnumMemberRaw(),l=s.name;if("====l)continue;/^[a-
z]/.test(l)&&this.flowEnumErrorInvalidMemberName(s.start,{enumName:e,memberName:l}),r.has(l)&&this.flowE
numErrorDuplicateMemberName(s.start,{enumName:e,memberName:l}),r.add(l);const
c={enumName:e,explicitType:t,memberName:l};switch(i.id=s,a.type){case"boolean":this.flowEnumCheckExplicit
TypeMismatch(a.pos,c,"boolean"),i.init=a.value,n.booleanMembers.push(this.finishNode(i,"EnumBooleanMember"
));break;case"number":this.flowEnumCheckExplicitTypeMismatch(a.pos,c,"number"),i.init=a.value,n.numberMemb
ers.push(this.finishNode(i,"EnumNumberMember"));break;case"string":this.flowEnumCheckExplicitTypeMismatch
(a.pos,c,"string"),i.init=a.value,n.stringMembers.push(this.finishNode(i,"EnumStringMember"));break;case"invalid"
:throw
this.flowEnumErrorInvalidMemberInitializer(a.pos,c);case"none":switch(t){case"boolean":this.flowEnumErrorBoo
leanMemberNotInitialized(a.pos,c);break;case"number":this.flowEnumErrorNumberMemberNotInitialized(a.pos,c);
break;default:n.defaultedMembers.push(this.finishNode(i,"EnumDefaultedMember"))}}this.match(o.braceR)||this.e
xpect(o.comma)}return n}flowEnumStringMembers(e,t,{enumName:r}){if(0===e.length)return
t;if(0===t.length)return e;if(t.length>e.length){for(let t=0;t<e.length;t++){const
n=e[t];this.flowEnumErrorStringMemberInconsistentlyInitailized(n.start,{enumName:r})}return t}for(let
e=0;e<t.length;e++){const
n=t[e];this.flowEnumErrorStringMemberInconsistentlyInitailized(n.start,{enumName:r})}return
e}flowEnumParseExplicitType({enumName:e}){if(this.eatContextual("of")){if(!this.match(o.name))throw
this.flowEnumErrorInvalidExplicitType(this.state.start,{enumName:e,suppliedType:null});const{value:t}=this.state;
return
this.next(),"boolean"!==(t&&"number"!==(t&&"string"!==(t&&"symbol"!==(t&&this.flowEnumErrorInvalidExplicit
Type(this.state.start,{enumName:e,suppliedType:t}),t)}return
null}flowEnumBody(e,{enumName:t,nameLoc:r}){const
n=this.flowEnumParseExplicitType({enumName:t});this.expect(o.braceL);const
i=this.flowEnumMembers({enumName:t,explicitType:n});switch(n){case"boolean":return
e.explicitType=!0,e.members=i.booleanMembers,this.expect(o.braceR),this.finishNode(e,"EnumBooleanBody");cas
e"number":return
e.explicitType=!0,e.members=i.numberMembers,this.expect(o.braceR),this.finishNode(e,"EnumNumberBody");cas
e"string":return
e.explicitType=!0,e.members=this.flowEnumStringMembers(i.stringMembers,i.defaultedMembers,{enumName:t}),
this.expect(o.braceR),this.finishNode(e,"EnumStringBody");case"symbol":return
e.members=i.defaultedMembers,this.expect(o.braceR),this.finishNode(e,"EnumSymbolBody");default:{const
n=(=>(e.members=[],this.expect(o.braceR),this.finishNode(e,"EnumStringBody")));e.explicitType=!1;const
s=i.booleanMembers.length,a=i.numberMembers.length,l=i.stringMembers.length,c=i.defaultedMembers.length;if(s
||a||l||c){if(s||a){if(!a&&!l&&s>=c){for(let e=0,r=i.defaultedMembers;e<r.length;e++){const
n=r[e];this.flowEnumErrorBooleanMemberNotInitialized(n.start,{enumName:t,memberName:n.id.name})}}return

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e.members=i.booleanMembers,this.expect(o.braceR),this.finishNode(e,"EnumBooleanBody")}if(!s&&!l&&a>=c){f
or(let e=0,r=i.defaultedMembers;e<r.length;e++){const
n=r[e];this.flowEnumErrorNumberMemberNotInitialized(n.start,{enumName:t,memberName:n.id.name})}return
e.members=i.numberMembers,this.expect(o.braceR),this.finishNode(e,"EnumNumberBody")}return
this.flowEnumErrorInconsistentMemberValues(r,{enumName:t}),n()}return
e.members=this.flowEnumStringMembers(i.stringMembers,i.defaultedMembers,{enumName:t}),this.expect(o.brace
R),this.finishNode(e,"EnumStringBody")}return n()}}flowParseEnumDeclaration(e){const
t=this.parseIdentifier();return
e.id=t,e.body=this.flowEnumBody(this.startNode(),{enumName:t.name,nameLoc:t.start}),this.finishNode(e,"Enum
Declaration")}updateContext(e){this.match(o.name)&&"of"===this.state.value&&e===o.name&&"interface"===t
his.input.slice(this.state.lastTokStart,this.state.lastTokEnd)?this.state.exprAllowed=!1:super.updateContext(e)}isLoo
kaheadToken_lt(){const e=this.nextTokenStart();if(60===this.input.charCodeAt(e)){const
t=this.input.charCodeAt(e+1);return
60!==t&&61!==t}return!1}maybeUnwrapTypeCastExpression(e){return"TypeCastExpression"===e.type?e.express
ion:e}},typescript:e=>class extends e{getScopeHandler(){return te}tsIsIdentifier(){return
this.match(o.name)}tsNextTokenCanFollowModifier(){return
this.next(),!(this.hasPrecedingLineBreak()||this.match(o.parenL)||this.match(o.parenR)||this.match(o.colon)||this.matc
h(o.eq)||this.match(o.question)||this.match(o.bang))}tsParseModifier(e){if(!this.match(o.name))return;const
t=this.state.value;return-1!==e.indexOf(t)&&this.tsTryParse(this.tsNextTokenCanFollowModifier.bind(this))?t:void
0}tsParseModifiers(e,t){for(;;){const
r=this.state.start,n=this.tsParseModifier(t);if(!n)break;Object.hasOwnProperty.call(e,n)&&this.raise(r,ae.DuplicateM
odifier,n),e[n]=!0}tsIsListTerminator(e){switch(e){case"EnumMembers":case"TypeMembers":return
this.match(o.braceR);case"HeritageClauseElement":return this.match(o.braceL);case"TupleElementTypes":return
this.match(o.bracketR);case"TypeParametersOrArguments":return this.isRelational(">")}throw new
Error("Unreachable")}tsParseList(e,t){const r=[];for(;!this.tsIsListTerminator(e);)r.push(t());return
r}tsParseDelimitedList(e,t){return
ie(this.tsParseDelimitedListWorker(e,t,!0))}tsParseDelimitedListWorker(e,t,r){const
n=[];for(;!this.tsIsListTerminator(e);){const
i=t();if(null===i)return;if(n.push(i),!this.eat(o.comma)){if(this.tsIsListTerminator(e))break;return
void(r&&this.expect(o.comma))}}return
n}tsParseBracketedList(e,t,r,n){n||(r?this.expect(o.bracketL):this.expectRelational("<"));const
i=this.tsParseDelimitedList(e,t);return
r?this.expect(o.bracketR):this.expectRelational(">"),i}tsParseImportType(){const e=this.startNode();return
this.expect(o._import),this.expect(o.parenL),this.match(o.string)||this.raise(this.state.start,ae.UnsupportedImportTyp
eArgument),e.argument=this.parseExprAtom(),this.expect(o.parenR),this.eat(o.dot)&&(e.qualifier=this.tsParseEntit
yName(!0)),this.isRelational("<")&&(e.typeParameters=this.tsParseTypeArguments()),this.finishNode(e,"TSImport
Type")}tsParseEntityName(e){let t=this.parseIdentifier();for(;this.eat(o.dot);){const
r=this.startNodeAtNode(t);r.left=t,r.right=this.parseIdentifier(e),t=this.finishNode(r,"TSQualifiedName")}return
t}tsParseTypeReference(){const e=this.startNode();return
e.typeName=this.tsParseEntityName(!1),!this.hasPrecedingLineBreak()&&this.isRelational("<")&&(e.typeParamet
ers=this.tsParseTypeArguments()),this.finishNode(e,"TSTypeReference")}tsParseThisTypePredicate(e){this.next();
const t=this.startNodeAtNode(e);return
t.parameterName=e,t.typeAnnotation=this.tsParseTypeAnnotation(!1),this.finishNode(t,"TSTypePredicate")}tsParse
ThisTypeNode(){const e=this.startNode();return
this.next(),this.finishNode(e,"TSThisType")}tsParseTypeQuery(){const e=this.startNode();return
this.expect(o._typeof),this.match(o._import)?e.exprName=this.tsParseImportType():e.exprName=this.tsParseEntity
Name(!0),this.finishNode(e,"TSTypeQuery")}tsParseTypeParameter(){const e=this.startNode();return
e.name=this.parseIdentifierName(e.start),e.constraint=this.tsEatThenParseType(o._extends),e.default=this.tsEatThe

```

```

nParseType(o.eq,this.finishNode(e,"TSTypeParameter"))tsTryParseTypeParameters(){if(this.isRelational("<"))return
this.tsParseTypeParameters()}tsParseTypeParameters(){const e=this.startNode();return
this.isRelational("<")||this.match(o.jsxTagStart)?this.next():this.unexpected(),e.params=this.tsParseBracketedList("T
ypeParametersOrArguments",this.tsParseTypeParameter.bind(this),!1,!0),0===e.params.length&&this.raise(e.start,a
e.EmptyTypeParameters),this.finishNode(e,"TSTypeParameterDeclaration")}tsTryNextParseConstantContext(){ret
urn this.lookahead().type===o._const?(this.next(),this.tsParseTypeReference():null)tsFillSignature(e,t){const
r=e===o.arrow;t.typeParameters=this.tsTryParseTypeParameters(),this.expect(o.parenL),t.parameters=this.tsParseBi
ndingListForSignature(),(r||this.match(e))&&(t.typeAnnotation=this.tsParseTypeOrTypePredicateAnnotation(e))ts
ParseBindingListForSignature(){return
this.parseBindingList(o.parenR,41).map(e=>("Identifier"!==e.type&&"RestElement"!==e.type&&"ObjectPattern"
===e.type&&"ArrayPattern"!==e.type&&this.raise(e.start,ae.UnsupportedSignatureParameterKind,e.type),e))tsPars
eTypeMemberSemicolon(){this.eat(o.comma)||this.semicolon()}tsParseSignatureMember(e,t){return
this.tsFillSignature(o.colon,t),this.tsParseTypeMemberSemicolon(),this.finishNode(t,e)}tsIsUnambiguouslyIndexSi
gnature(){return
this.next(),this.eat(o.name)&&this.match(o.colon)}tsTryParseIndexSignature(e){if(!this.match(o.bracketL)||!this.tsL
ookAhead(this.tsIsUnambiguouslyIndexSignature.bind(this)))return;this.expect(o.bracketL);const
t=this.parseIdentifier();t.typeAnnotation=this.tsParseTypeAnnotation(),this.resetEndLocation(t),this.expect(o.bracke
tR),e.parameters=[t];const r=this.tsTryParseTypeAnnotation();return
r&&(e.typeAnnotation=r),this.tsParseTypeMemberSemicolon(),this.finishNode(e,"TSIndexSignature")}tsParseProp
ertyOrMethodSignature(e,t){this.eat(o.question)&&(e.optional=!0);const
r=e;if(t||!this.match(o.parenL)&&!this.isRelational("<")){const e=r;t&&(e.readonly=!0);const
n=this.tsTryParseTypeAnnotation();return
n&&(e.typeAnnotation=n),this.tsParseTypeMemberSemicolon(),this.finishNode(e,"TSPropertySignature")}const
e=r;return
this.tsFillSignature(o.colon,e),this.tsParseTypeMemberSemicolon(),this.finishNode(e,"TSMethodSignature")}tsPar
seTypeMember(){const e=this.startNode();if(this.match(o.parenL)||this.isRelational("<"))return
this.tsParseSignatureMember("TSCallSignatureDeclaration",e);if(this.match(o._new)){const
t=this.startNode();return
this.next(),this.match(o.parenL)||this.isRelational("<")?this.tsParseSignatureMember("TSConstructSignatureDeclara
tion",e):(e.key=this.createIdentifier(t,"new"),this.tsParsePropertyOrMethodSignature(e,!1))const
t=!this.tsParseModifier(["readonly"]),r=this.tsTryParseIndexSignature(e);return
r?(t&&(e.readonly=!0),r):(this.parsePropertyName(e,!1),this.tsParsePropertyOrMethodSignature(e,t))}tsParseTypeL
iteral(){const e=this.startNode();return
e.members=this.tsParseObjectTypeMembers(),this.finishNode(e,"TSTypeLiteral")}tsParseObjectTypeMembers(){t
his.expect(o.braceL);const e=this.tsParseList("TypeMembers",this.tsParseTypeMember.bind(this));return
this.expect(o.braceR),e}tsIsStartOfMappedType(){return
this.next(),this.eat(o.plusMin)?this.isContextual("readonly"):(this.isContextual("readonly")&&this.next(),!this.matc
h(o.bracketL)&&(this.next(),!this.tsIsIdentifier())&&(this.next(),this.match(o._in))))}tsParseMappedTypeParameter
(){const e=this.startNode();return
e.name=this.parseIdentifierName(e.start),e.constraint=this.tsExpectThenParseType(o._in),this.finishNode(e,"TSTyp
eParameter")}tsParseMappedType(){const e=this.startNode();return
this.expect(o.braceL),this.match(o.plusMin)?(e.readonly=this.state.value,this.next(),this.expectContextual("readonly
"));this.eatContextual("readonly")&&(e.readonly=!0),this.expect(o.bracketL),e.typeParameter=this.tsParseMappedT
ypeParameter(),e.nameType=this.eatContextual("as")?this.tsParseType():null,this.expect(o.bracketR),this.match(o.p
lusMin)?(e.optional=this.state.value,this.next(),this.expect(o.question)):this.eat(o.question)&&(e.optional=!0),e.type
Annotation=this.tsTryParseType(),this.semicolon(),this.expect(o.braceR),this.finishNode(e,"TSMappedType")}tsPa
rseTupleType(){const
e=this.startNode();e.elementTypes=this.tsParseBracketedList("TupleElementTypes",this.tsParseTupleElementType.

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bind(this,!0,!1);let t=!1,r=null;return e.elementTypes.forEach(e=>{ var
n;let {type:i}=e;!t||"TSRestType"===i||"TSOptionalType"===i||"TSNamedTupleMember"===i&&e.optional||this.raise(e.start,ae.OptionalTypeBeforeRequired),t=t||"TSNamedTupleMember"===i&&e.optional||"TSOptionalType"===i,"TSRestType"===i&&(i=(e=e.typeAnnotation).type);const
s="TSNamedTupleMember"===i;r=null!==(n=r)?n:s,r!===s&&this.raise(e.start,ae.MixedLabeledAndUnlabeledElements)},this.finishNode(e,"TSTupleType")}tsParseTupleElementType(){const {start:e,startLoc:t}=this.state,r=this.eat(o.ellipsis);let n=this.tsParseType();const i=this.eat(o.question);if(this.eat(o.colon)){const
e=this.startNodeAtNode(n);e.optional=i,"TSTypeReference"!==(n.type||n.typeParameters||"Identifier"!==(n.typeName.type?(this.raise(n.start,ae.InvalidTupleMemberLabel),e.label=n):e.label=n.typeName,e.elementType=this.tsParseType()),n=this.finishNode(e,"TSNamedTupleMember"))}else if(i){const
e=this.startNodeAtNode(n);e.typeAnnotation=n,n=this.finishNode(e,"TSOptionalType")}if(r){const
r=this.startNodeAt(e,t);r.typeAnnotation=n,n=this.finishNode(r,"TSRestType")}return
n}tsParseParenthesizedType(){const e=this.startNode();return
this.expect(o.parenL),e.typeAnnotation=this.tsParseType(),this.expect(o.parenR),this.finishNode(e,"TSParenthesizedType")}tsParseFunctionOrConstructorType(e){const
t=this.startNode();return "TSConstructorType"===e&&this.expect(o._new),this.tsFillSignature(o.arrow,t),this.finishNode(t,e)}tsParseLiteralTypeNode(){const e=this.startNode();return e.literal=(()=>=>{switch(this.state.type){case
o.num:case o.bigint:case o.string:case o._true:case o._false:return this.parseExprAtom();default:throw
this.unexpected()}})(),this.finishNode(e,"TSLiteralType")}tsParseTemplateLiteralType(){const
e=this.startNode();return
e.literal=this.parseTemplate(!1),this.finishNode(e,"TSLiteralType")}parseTemplateSubstitution(){return
this.state.inType?this.tsParseType():super.parseTemplateSubstitution()}tsParseThisTypeOrThisTypePredicate(){const
e=this.tsParseThisTypeNode();return
this.isContextual("is")&&!this.hasPrecedingLineBreak()?this.tsParseThisTypePredicate(e):e}tsParseNonArrayType()
{switch(this.state.type){case o.name:case o._void:case o._null:{const
e=this.match(o._void)?"TSVoidKeyword":this.match(o._null)?"TSNullKeyword":function(e){switch(e){case "any":return
"TSAnyKeyword";case "boolean":return "TSBooleanKeyword";case "bigint":return "TSBigIntKeyword";case "never":return
"TSNeverKeyword";case "number":return "TSNumberKeyword";case "object":return "TSObjectKeyword";case "string":return
"TSStrngKeyword";case "symbol":return "TSSymbolKeyword";case "undefined":return "TSUndefinedKeyword";case "unknown":return
"TSUnknownKeyword";default:return }}(this.state.value);if(void
0!==(e&&46!==(this.lookaheadCharCode())){const t=this.startNode();return this.next(),this.finishNode(t,e)}return
this.tsParseTypeReference()}case o.string:case o.num:case o.bigint:case o._true:case o._false:return
this.tsParseLiteralTypeNode();case o.plusMin;if("-"===this.state.value){const
e=this.startNode(),t=this.lookahead();if(t.type!==(o.num&&t.type!==(o.bigint))throw this.unexpected();return
e.literal=this.parseMaybeUnary(),this.finishNode(e,"TSLiteralType")}break;case o._this:return
this.tsParseThisTypeOrThisTypePredicate();case o._typeof:return this.tsParseTypeQuery();case o._import:return
this.tsParseImportType();case o.braceL:return
this.tsLookAhead(this.tsIsStartOfMappedType.bind(this))?this.tsParseMappedType():this.tsParseTypeLiteral();case
o.bracketL:return this.tsParseTupleType();case o.parenL:return this.tsParseParenthesizedType();case
o.backQuote:return this.tsParseTemplateLiteralType()}throw this.unexpected()}tsParseArrayTypeOrHigher(){let
e=this.tsParseNonArrayType();for(;!this.hasPrecedingLineBreak()&&this.eat(o.bracketL);if(this.match(o.bracketR)
){const
t=this.startNodeAtNode(e);t.elementType=e,this.expect(o.bracketR),e=this.finishNode(t,"TSArrayType")}else{const
t
t=this.startNodeAtNode(e);t.objectType=e,t.indexType=this.tsParseType(),this.expect(o.bracketR),e=this.finishNode(t,"TSIndexedAccessType")}return e}tsParseTypeOperator(e){const t=this.startNode();return
this.expectContextual(e),t.operator=e,t.typeAnnotation=this.tsParseTypeOperatorOrHigher(),"readonly"===e&&this.tsCheckTypeAnnotationForReadOnly(t),this.finishNode(t,"TSTypeOperator")}tsCheckTypeAnnotationForReadO

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nly(e){switch(e.typeAnnotation.type){case"TSTupleType":case"TSArrayType":return;default:this.raise(e.start,ae.U
nexpectedReadonly)}}tsParseInferType(){const e=this.startNode();this.expectContextual("infer");const
t=this.startNode();return
t.name=this.parseIdentifierName(t.start),e.typeParameter=this.finishNode(t,"TSTypeParameter"),this.finishNode(e,"
TSInferType")}tsParseTypeOperatorOrHigher(){const
e=["keyof","unique","readonly"].find(e=>this.isContextual(e));return
e?this.tsParseTypeOperator(e):this.isContextual("infer"?this.tsParseInferType():this.tsParseArrayTypeOrHigher())t
sParseUnionOrIntersectionType(e,t,r){this.eat(r);let n=t();if(this.match(r)){const
i=[n];for(;this.eat(r);)i.push(t());const s=this.startNodeAtNode(n);s.types=i,n=this.finishNode(s,e)}return
n}tsParseIntersectionTypeOrHigher(){return
this.tsParseUnionOrIntersectionType("TSIntersectionType",this.tsParseTypeOperatorOrHigher.bind(this),o.bitwise
AND)}tsParseUnionTypeOrHigher(){return
this.tsParseUnionOrIntersectionType("TSUnionType",this.tsParseIntersectionTypeOrHigher.bind(this),o.bitwiseOR
)}tsIsStartOfFunctionType(){return!this.isRelational("<")||this.match(o.parenL)&&this.tsLookAhead(this.tsIsUnam
biguouslyStartOfFunctionType.bind(this))}tsSkipParameterStart(){if(this.match(o.name)||this.match(o._this))return
this.next(),!0;if(this.match(o.braceL)){let
e=1;for(this.next();e>0;)this.match(o.braceL)?++e:this.match(o.braceR)&&--
e,this.next();return!0}if(this.match(o.bracketL)){let
e=1;for(this.next();e>0;)this.match(o.bracketL)?++e:this.match(o.bracketR)&&--
e,this.next();return!0}return!1}tsIsUnambiguouslyStartOfFunctionType(){if(this.next(),this.match(o.parenR)||this.m
atch(o.ellipsis))return!0;if(this.tsSkipParameterStart()){if(this.match(o.colon)||this.match(o.comma)||this.match(o.qu
estion)||this.match(o.eq))return!0;if(this.match(o.parenR)&&(this.next(),this.match(o.arrow)))return!0}return!1}tsPa
rseTypeOrTypePredicateAnnotation(e){return this.tsInType(=>{const t=this.startNode();this.expect(e);const
r=!this.tsTryParse(this.tsParseTypePredicateAsserts.bind(this));if(r&&this.match(o._this)){let
e=this.tsParseThisTypeOrThisTypePredicate();if("TSThisType"===e.type){const
r=this.startNodeAtNode(t);r.parameterName=e,r.asserts=!0,e=this.finishNode(r,"TSTypePredicate")}else
e.asserts=!0;return t.typeAnnotation=e,this.finishNode(t,"TSTypeAnnotation")}const
n=this.tsIsIdentifier()&&this.tsTryParse(this.tsParseTypePredicatePrefix.bind(this));if(!n){if(!r)return
this.tsParseTypeAnnotation(!1,t);const e=this.startNodeAtNode(t);return
e.parameterName=this.parseIdentifier(),e.asserts=r,t.typeAnnotation=this.finishNode(e,"TSTypePredicate"),this.fini
shNode(t,"TSTypeAnnotation")}const i=this.tsParseTypeAnnotation(!1),s=this.startNodeAtNode(t);return
s.parameterName=n,s.typeAnnotation=i,s.asserts=r,t.typeAnnotation=this.finishNode(s,"TSTypePredicate"),this.fini
shNode(t,"TSTypeAnnotation"))}tsTryParseTypeOrTypePredicateAnnotation(){return
this.match(o.colon)?this.tsParseTypeOrTypePredicateAnnotation(o.colon):void
0}tsTryParseTypeAnnotation(){return this.match(o.colon)?this.tsParseTypeAnnotation():void
0}tsTryParseType(){return this.tsEatThenParseType(o.colon)}tsParseTypePredicatePrefix(){const
e=this.parseIdentifier();if(this.isContextual("is")&&!this.hasPrecedingLineBreak())return
this.next(),e}tsParseTypePredicateAsserts(){if(!this.match(o.name)||"asserts"!==this.state.value||this.hasPrecedingLi
neBreak())return!1;const e=this.state.containsEsc;return
this.next(),!(this.match(o.name)&&!this.match(o._this))&&(e&&this.raise(this.state.lastTokStart,y.InvalidEscaped
ReservedWord,"asserts"),!0)}tsParseTypeAnnotation(e=!0,t=this.startNode()){return
this.tsInType(=>{e&&this.expect(o.colon),t.typeAnnotation=this.tsParseType()}),this.finishNode(t,"TSTypeAnno
tation")}tsParseType(){se(this.state.inType);const
e=this.tsParseNonConditionalType();if(this.hasPrecedingLineBreak()||!this.eat(o._extends))return e;const
t=this.startNodeAtNode(e);return
t.checkType=e,t.extendsType=this.tsParseNonConditionalType(),this.expect(o.question),t.trueType=this.tsParseTyp
e(),this.expect(o.colon),t.falseType=this.tsParseType(),this.finishNode(t,"TSConditionalType")}tsParseNonConditio
nalType(){return

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this.tsIsStartOfFunctionType()?this.tsParseFunctionOrConstructorType("TSFunctionType"):this.match(o._new)?this
s.tsParseFunctionOrConstructorType("TSConstructorType"):this.tsParseUnionTypeOrHigher()}tsParseTypeAsserti
on(){const e=this.startNode(),t=this.tsTryNextParseConstantContext();return
e.typeAnnotation=t||this.tsNextThenParseType(),this.expectRelational(">"),e.expression=this.parseMaybeUnary(),th
is.finishNode(e,"TSTypeAssertion")}tsParseHeritageClause(e){const
t=this.state.start,r=this.tsParseDelimitedList("HeritageClauseElement",this.tsParseExpressionWithTypeArguments.b
ind(this));return
r.length||this.raise(t,ae.EmptyHeritageClauseType,e),r}tsParseExpressionWithTypeArguments(){const
e=this.startNode();return
e.expression=this.tsParseEntityName(!1),this.isRelational("<")&&(e.typeParameters=this.tsParseTypeArguments()),
this.finishNode(e,"TSExpressionWithTypeArguments")}tsParseInterfaceDeclaration(e){e.id=this.parseIdentifier(),t
his.checkLVal(e.id,130,void 0,"typescript interface
declaration"),e.typeParameters=this.tsTryParseTypeParameters(),this.eat(o._extends)&&(e.extends=this.tsParseHeri
tageClause("extends"));const t=this.startNode();return
t.body=this.tsInType(this.tsParseObjectTypeMembers.bind(this)),e.body=this.finishNode(t,"TSInterfaceBody"),this.
finishNode(e,"TSInterfaceDeclaration")}tsParseTypeAliasDeclaration(e){return
e.id=this.parseIdentifier(),this.checkLVal(e.id,2,void 0,"typescript type
alias"),e.typeParameters=this.tsTryParseTypeParameters(),e.typeAnnotation=this.tsInType(()=>{if(this.expect(o.eq)
,this.isContextual("intrinsic")&&this.lookahead().type!==(o.dot)){const e=this.startNode();return
this.next(),this.finishNode(e,"TSIntrinsicKeyword")}return
this.tsParseType()}),this.semicolon(),this.finishNode(e,"TSTypeAliasDeclaration")}tsInNoContext(e){const
t=this.state.context;this.state.context=[t[0]];try{return e()}finally{this.state.context=t}}tsInType(e){const
t=this.state.inType;this.state.inType=!0;try{return e()}finally{this.state.inType=t}}tsEatThenParseType(e){return
this.match(e)?this.tsNextThenParseType():void 0}tsExpectThenParseType(e){return
this.tsDoThenParseType(()=>this.expect(e))}tsNextThenParseType(){return
this.tsDoThenParseType(()=>this.next())}tsDoThenParseType(e){return
this.tsInType(()=>(e(),this.tsParseType()))}tsParseEnumMember(){const e=this.startNode();return
e.id=this.match(o.string)?this.parseExprAtom():this.parseIdentifier(!0),this.eat(o.eq)&&(e.initializer=this.parseMay
beAssignAllowIn()),this.finishNode(e,"TSEnumMember")}tsParseEnumDeclaration(e,t){return
t&&(e.const=!0),e.id=this.parseIdentifier(),this.checkLVal(e.id,t?779:267,void 0,"typescript enum
declaration"),this.expect(o.braceL),e.members=this.tsParseDelimitedList("EnumMembers",this.tsParseEnumMembe
r.bind(this)),this.expect(o.braceR),this.finishNode(e,"TSEnumDeclaration")}tsParseModuleBlock(){const
e=this.startNode();return
this.scope.enter(0),this.expect(o.braceL),this.parseBlockOrModuleBlockBody(e.body=[],void
0,!0,o.braceR),this.scope.exit(),this.finishNode(e,"TSModuleBlock")}tsParseModuleOrNamespaceDeclaration(e,t=!
1){if(e.id=this.parseIdentifier(),t||this.checkLVal(e.id,1024,null,"module or namespace
declaration"),this.eat(o.dot)){const
t=this.startNode();this.tsParseModuleOrNamespaceDeclaration(t,!0),e.body=t}else
this.scope.enter(128),this.prodParam.enter(0),e.body=this.tsParseModuleBlock(),this.prodParam.exit(),this.scope.exi
t();return this.finishNode(e,"TSModuleDeclaration")}tsParseAmbientExternalModuleDeclaration(e){return
this.isContextual("global")?(e.global=!0,e.id=this.parseIdentifier()):this.match(o.string)?e.id=this.parseExprAtom():t
his.unexpected(),this.match(o.braceL)?(this.scope.enter(128),this.prodParam.enter(0),e.body=this.tsParseModuleBlo
ck(),this.prodParam.exit(),this.scope.exit()):this.semicolon(),this.finishNode(e,"TSModuleDeclaration")}tsParseImp
ortEqualsDeclaration(e,t){return e.isExport=t||!1,e.id=this.parseIdentifier(),this.checkLVal(e.id,9,void 0,"import
equals
declaration"),this.expect(o.eq),e.moduleReference=this.tsParseModuleReference(),this.semicolon(),this.finishNode(
e,"TSImportEqualsDeclaration")}tsIsExternalModuleReference(){return
this.isContextual("require")&&40===this.lookaheadCharCode()}tsParseModuleReference(){return

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this.tsIsExternalModuleReference()?this.tsParseExternalModuleReference():this.tsParseEntityName(!1)}tsParseExternalModuleReference(){const
e=this.startNode();if(this.expectContextual("require"),this.expect(o.parenL,!this.match(o.string))throw
this.unexpected();return
e.expression=this.parseExprAtom(),this.expect(o.parenR),this.finishNode(e,"TSExternalModuleReference")}tsLook
Ahead(e){const t=this.state.clone(),r=e();return this.state=t,r}tsTryParseAndCatch(e){const
t=this.tryParse(t=>e())||t();if(!t.aborted&&t.node)return t.error&&(this.state=t.failState),t.node}tsTryParse(e){const
t=this.state.clone(),r=e();return void
0!==(r&&!1)!==(r?r:void(this.state=t))}tsTryParseDeclare(e){if(this.isLineTerminator())return;let
t,r=this.state.type;return this.isContextual("let")&&(r=o._var,t="let"),this.tsInDeclareContext(()=>{switch(r){case
o._function:return e.declare=!0,this.parseFunctionStatement(e,!1,!0);case o._class:return
e.declare=!0,this.parseClass(e,!0,!1);case
o._const;if(this.match(o._const)&&this.isLookaheadContextual("enum"))return
this.expect(o._const),this.expectContextual("enum"),this.tsParseEnumDeclaration(e,!0);case o._var:return
t=t||this.state.value,this.parseVarStatement(e,t);case o.name:{const
t=this.state.value;return"global"===t?this.tsParseAmbientExternalModuleDeclaration(e):this.tsParseDeclaration(e,t,
!0)}})}tsTryParseExportDeclaration(){return
this.tsParseDeclaration(this.startNode(),this.state.value,!0)}tsParseExpressionStatement(e,t){switch(t.name){case"de
clare":{const t=this.tsTryParseDeclare(e);if(t)return
t.declare=!0,t;break}case"global":if(this.match(o.braceL)){this.scope.enter(128),this.prodParam.enter(0);const
r=e;return
r.global=!0,r.id=t,r.body=this.tsParseModuleBlock(),this.scope.exit(),this.prodParam.exit(),this.finishNode(r,"TSMo
duleDeclaration")}break;default:return
this.tsParseDeclaration(e,t.name,!1)}tsParseDeclaration(e,t,r){switch(t){case"abstract":if(this.tsCheckLineTermina
torAndMatch(o._class,r)){const t=e;return
t.abstract=!0,r&&(this.next(),this.match(o._class)||this.unexpected(null,o._class)),this.parseClass(t,!0,!1)}break;case
"enum":if(r||this.match(o.name))return
r&&this.next(),this.tsParseEnumDeclaration(e,!1);break;case"interface":if(this.tsCheckLineTerminatorAndMatch(o.
name,r))return
r&&this.next(),this.tsParseInterfaceDeclaration(e);break;case"module":if(r&&this.next(),this.match(o.string))return
this.tsParseAmbientExternalModuleDeclaration(e);if(this.tsCheckLineTerminatorAndMatch(o.name,r))return
this.tsParseModuleOrNamespaceDeclaration(e);break;case"namespace":if(this.tsCheckLineTerminatorAndMatch(o.
name,r))return
r&&this.next(),this.tsParseModuleOrNamespaceDeclaration(e);break;case"type":if(this.tsCheckLineTerminatorAnd
Match(o.name,r))return
r&&this.next(),this.tsParseTypeAliasDeclaration(e)}tsCheckLineTerminatorAndMatch(e,t){return(t||this.match(e))
&&!this.isLineTerminator()}tsTryParseGenericAsyncArrowFunction(e,t){if(!this.isRelational("<"))return;const
r=this.state.maybeInArrowParameters;this.state.maybeInArrowParameters=!0;const
n=this.tsTryParseAndCatch(()=>{const r=this.startNodeAt(e,t);return
r.typeParameters=this.tsParseTypeParameters(),super.parseFunctionParams(r),r.returnType=this.tsTryParseTypeOr
TypePredicateAnnotation(),this.expect(o.arrow,r)});return
this.state.maybeInArrowParameters=r,n?this.parseArrowExpression(n,null,!0):void
0}tsParseTypeArguments(){const e=this.startNode();return
e.params=this.tsInType(()=>this.tsInNoContext(()=>(this.expectRelational("<"),this.tsParseDelimitedList("TypePar
ametersOrArguments",this.tsParseType.bind(this))))),0===e.params.length&&this.raise(e.start,ae.EmptyTypeArgu
ments),this.state.exprAllowed=!1,this.expectRelational(">"),this.finishNode(e,"TSTypeParameterInstantiation")}tsIs
DeclarationStart(){if(this.match(o.name))switch(this.state.value){case"abstract":case"declare":case"enum":case"inte
rface":case"module":case"namespace":case"type":return!0}return!1}isExportDefaultSpecifier(){return!this.tsIsDecl

```

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arationStart()&&super.isExportDefaultSpecifier())parseAssignableListItem(e,t){const
r=this.state.start,n=this.state.startLoc;let i,s=!1;void
0!==e&&(i=this.parseAccessModifier(),s=!this.tsParseModifier(["readonly"]),!1===e&&(i||s)&&this.raise(r,ae.Un
expectedParameterModifier));const a=this.parseMaybeDefault();this.parseAssignableListItemTypes(a);const
o=this.parseMaybeDefault(a.start,a.loc.start,a);if(i||s){const e=this.startNodeAt(r,n);return
t.length&&(e.decorators=t),i&&(e.accessibility=i),s&&(e.readonly=s),"Identifier"!==o.type&&"AssignmentPattern
"!==o.type&&this.raise(e.start,ae.UnsupportedParameterPropertyKind),e.parameter=o,this.finishNode(e,"TSParame
terProperty")}return
t.length&&(a.decorators=t),o}parseFunctionBodyAndFinish(e,t,r=!1){this.match(o.colon)&&(e.returnType=this.tsP
arseTypeOrTypePredicateAnnotation(o.colon));const
n="FunctionDeclaration"===t?"TSDeclareFunction":"ClassMethod"===t?"TSDeclareMethod":void
0;n&&!this.match(o.braceL)&&this.isLineTerminator()?this.finishNode(e,n):"TSDeclareFunction"===n&&this.stat
e.isDeclareContext&&(this.raise(e.start,ae.DeclareFunctionHasImplementation),e.declare)?super.parseFunctionBod
yAndFinish(e,n,r):super.parseFunctionBodyAndFinish(e,t,r)}registerFunctionStatementId(e){!e.body&&e.id?this.ch
eckLVal(e.id,1024,null,"function
name"):super.registerFunctionStatementId(...arguments)}tsCheckForInvalidTypeCasts(e){e.forEach(e=>{"TSType
CastExpression"===e?void
0:e.type}&&this.raise(e.typeAnnotation.start,ae.UnexpectedTypeAnnotation))}toReferencedList(e,t){return
this.tsCheckForInvalidTypeCasts(e,e)}parseArrayLike(...e){const
t=super.parseArrayLike(...e);return"ArrayExpression"===t.type&&this.tsCheckForInvalidTypeCasts(t.elements),t}p
arseSubscript(e,t,r,n,i){if(!this.hasPrecedingLineBreak()&&this.match(o.bang)){this.state.exprAllowed=!1,this.next
();const n=this.startNodeAt(t,r);return
n.expression=e,this.finishNode(n,"TSNonNullExpression")}if(this.isRelational("<")){const
s=this.tsTryParseAndCatch(()=>{if(!n&&this.atPossibleAsyncArrow(e)){const
e=this.tsTryParseGenericAsyncArrowFunction(t,r);if(e)return e}const s=this.startNodeAt(t,r);s.callee=e;const
a=this.tsParseTypeArguments();if(a){if(!n&&this.eat(o.parenL))return
s.arguments=this.parseCallExpressionArguments(o.parenR,!1),this.tsCheckForInvalidTypeCasts(s.arguments),s.typ
eParameters=a,this.finishCallExpression(s,i.optionalChainMember);if(this.match(o.backQuote)){const
n=this.parseTaggedTemplateExpression(e,t,r,i);return n.typeParameters=a,n}}this.unexpected());if(s)return
s}return super.parseSubscript(e,t,r,n,i)}parseNewArguments(e){if(this.isRelational("<")){const
t=this.tsTryParseAndCatch(()=>{const e=this.tsParseTypeArguments();return
this.match(o.parenL)||this.unexpected(),e});t&&(e.typeParameters=t)}super.parseNewArguments(e)}parseExprOp(e
,t,r,n){if(ie(o._in.binop)>n&&!this.hasPrecedingLineBreak()&&this.isContextual("as")){const
i=this.startNodeAt(t,r);i.expression=e;const s=this.tsTryNextParseConstantContext();return
i.typeAnnotation=s||this.tsNextThenParseType(),this.finishNode(i,"TSAsExpression"),this.reScan_lt_gt(),this.parse
ExprOp(i,t,r,n)}return
super.parseExprOp(e,t,r,n)}checkReservedWord(e,t,r,n){}checkDuplicateExports(){}parseImport(e){if(this.match(o
.name)||this.match(o.star)||this.match(o.braceL)){const
t=this.lookahead();if(this.match(o.name)&&t.type===o.eq)return
this.tsParseImportEqualsDeclaration(e);!this.isContextual("type")||t.type===o.comma||t.type===o.name&&"from"=
===t.value||(e.importKind="type",this.next())}e.importKind||(e.importKind="value");const
t=super.parseImport(e);return"type"===t.importKind&&t.specifiers.length>1&&"ImportDefaultSpecifier"===t.spec
ifiers[0].type&&this.raise(t.start,"A type-only import can specify a default import or named bindings, but not
both."),t}parseExport(e){if(this.match(o._import))return
this.expect(o._import),this.tsParseImportEqualsDeclaration(e,!0);if(this.eat(o.eq)){const t=e;return
t.expression=this.parseExpression(),this.semicolon(),this.finishNode(t,"TSExportAssignment")}if(this.eatContextual
("as")){const t=e;return
this.expectContextual("namespace"),t.id=this.parseIdentifier(),this.semicolon(),this.finishNode(t,"TSNamespaceExp

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ortDeclaration") }return
this.isContextual("type")&&this.lookahead().type===o.braceL?(this.next(),e.exportKind="type"):e.exportKind="val
ue",super.parseExport(e)}isAbstractClass(){return
this.isContextual("abstract")&&this.lookahead().type===o._class}parseExportDefaultExpression(){if(this.isAbstrac
tClass()){const e=this.startNode();return
this.next(),this.parseClass(e,!0,!0),e.abstract=!0,e}if("interface"===this.state.value){const
e=this.tsParseDeclaration(this.startNode(),this.state.value,!0);if(e)return e}return
super.parseExportDefaultExpression()}parseStatementContent(e,t){if(this.state.type===o._const){const
e=this.lookahead();if(e.type===o.name&&"enum"===e.value){const e=this.startNode();return
this.expect(o._const),this.expectContextual("enum"),this.tsParseEnumDeclaration(e,!0)} }return
super.parseStatementContent(e,t)}parseAccessModifier(){return
this.tsParseModifier(["public","protected","private"])}parseClassMember(e,t,r){this.tsParseModifiers(t,["declare"]);
const n=this.parseAccessModifier();n&&(t.accessibility=n),this.tsParseModifiers(t,["declare"]);const
i=(=>{super.parseClassMember(e,t,r)};t.declare?this.tsInDeclareContext(i):i)}parseClassMemberWithIsStatic(e,t,r
,n){this.tsParseModifiers(t,["abstract","readonly","declare"]);const i=this.tsTryParseIndexSignature(t);if(i)return
e.body.push(i),t.abstract&&this.raise(t.start,ae.IndexSignatureHasAbstract),n&&this.raise(t.start,ae.IndexSignature
HasStatic),t.accessibility&&this.raise(t.start,ae.IndexSignatureHasAccessibility,t.accessibility),void(t.declare&&this
.raise(t.start,ae.IndexSignatureHasDeclare));super.parseClassMemberWithIsStatic(e,t,r,n)}parsePostMemberName
Modifiers(e){this.eat(o.question)&&(e.optional=!0),e.readonly&&this.match(o.parenL)&&this.raise(e.start,ae.Class
MethodHasReadonly),e.declare&&this.match(o.parenL)&&this.raise(e.start,ae.ClassMethodHasDeclare)}parseExpr
expressionStatement(e,t){return("Identifier"===t.type?this.tsParseExpressionStatement(e,t):void
0)||super.parseExpressionStatement(e,t)}shouldParseExportDeclaration(){return!this.tsIsDeclarationStart()||super.sh
ouldParseExportDeclaration()}parseConditional(e,t,r,n){if(!n||!this.match(o.question))return
super.parseConditional(e,t,r,n);const i=this.tryParse(=>super.parseConditional(e,t,r));return
i.node?(i.error&&(this.state=i.failState),i.node):(n.start=i.error.pos||this.state.start,e)}parseParenItem(e,t,r){if(e=sup
er.parseParenItem(e,t,r),this.eat(o.question)&&(e.optional=!0,this.resetEndLocation(e)),this.match(o.colon)){const
n=this.startNodeAt(t,r);return
n.expression=e,n.typeAnnotation=this.tsParseTypeAnnotation(),this.finishNode(n,"TSTypeCastExpression")}return
e}parseExportDeclaration(e){const t=this.state.start,r=this.state.startLoc,n=this.eatContextual("declare");let i;return
this.match(o.name)&&(i=this.tsTryParseExportDeclaration()),i||(i=super.parseExportDeclaration(e)),i&&("TSInterf
aceDeclaration"===i.type||"TSTypeAliasDeclaration"===i.type||n)&&(e.exportKind="type"),i&&n&&(this.resetSta
rtLocation(i,t,r),i.declare=!0,i)}parseClassId(e,t,r){if(!t||r)&&this.isContextual("implements")}return;super.parseCla
ssId(e,t,r,e.declare?1024:139);const
n=this.tsTryParseTypeParameters();n&&(e.typeParameters=n)}parseClassPropertyAnnotation(e){!e.optional&&this
.eat(o.bang)&&(e.definite=!0);const
t=this.tsTryParseTypeAnnotation();t&&(e.typeAnnotation=t)}parseClassProperty(e){return
this.parseClassPropertyAnnotation(e),this.state.isDeclareContext&&this.match(o.eq)&&this.raise(this.state.start,ae.
DeclareClassFieldHasInitializer),super.parseClassProperty(e)}parseClassPrivateProperty(e){return
e.abstract&&this.raise(e.start,ae.PrivateElementHasAbstract),e.accessibility&&this.raise(e.start,ae.PrivateElementH
asAccessibility,e.accessibility),this.parseClassPropertyAnnotation(e),super.parseClassPrivateProperty(e)}pushClass
Method(e,t,r,n,i,s){const
a=this.tsTryParseTypeParameters();a&&i&&this.raise(a.start,ae.ConstructorHasTypeParameters),a&&(t.typeParam
eters=a),super.pushClassMethod(e,t,r,n,i,s)}pushClassPrivateMethod(e,t,r,n){const
i=this.tsTryParseTypeParameters();i&&(t.typeParameters=i),super.pushClassPrivateMethod(e,t,r,n)}parseClassSupe
r(e){super.parseClassSuper(e),e.superClass&&this.isRelational("<")&&(e.superTypeParameters=this.tsParseTypeA
rguments()),this.eatContextual("implements")&&(e.implements=this.tsParseHeritageClause("implements"))}parseO
bjPropValue(e,...t){const
r=this.tsTryParseTypeParameters();r&&(e.typeParameters=r),super.parseObjPropValue(e,...t)}parseFunctionParams

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(e,t){const
r=this.tsTryParseTypeParameters();r&&(e.typeParameters=r),super.parseFunctionParams(e,t)}parseVarId(e,t){super
.parseVarId(e,t),"Identifier"===e.id.type&&this.eat(o.bang)&&(e.definite=!0);const
r=this.tsTryParseTypeAnnotation();r&&(e.id.typeAnnotation=r,this.resetEndLocation(e.id))}parseAsyncArrowFrom
mCallExpression(e,t){return
this.match(o.colon)&&(e.returnType=this.tsParseTypeAnnotation()),super.parseAsyncArrowFromCallExpression(e,
t)}parseMaybeAssign(...e){var t,r,n,i,s,a,l;let
c,p,u,d;if(this.match(o.jsxTagStart)){if(c=this.state.clone(),p=this.tryParse(=>super.parseMaybeAssign(...e),c,!p.e
rror)return p.node;const{context:t}=this.state;t[t.length-1]===g.j_oTag?t.length-=2:t.length-
1]===g.j_expr&&(t.length=1)}if(!(null==(t=p)?void 0:t.error)&&!this.isRelational("<"))return
super.parseMaybeAssign(...e);c=c||this.state.clone();const h=this.tryParse(t=>{var
r;d=this.tsParseTypeParameters();const
n=super.parseMaybeAssign(...e);return("ArrowFunctionExpression"!==n.type||n.extra&&n.extra.parenthesized)&&t
(),0!==(null==(r=d)?void
0:r.params.length)&&this.resetStartLocationFromNode(n,d),n.typeParameters=d,n},c);if(!h.error&&!h.aborted)retur
n h.node;if(!p&&(se(!this.hasPlugin("jsx")),u=this.tryParse(=>super.parseMaybeAssign(...e),c,!u.error))return
u.node;if(null==(r=p)?void 0:r.node)return this.state=p.failState,p.node;if(h.node)return
this.state=h.failState,h.node;if(null==(n=u)?void 0:n.node)return this.state=u.failState,u.node;if(null==(i=p)?void
0:i.thrown)throw p.error;if(h.thrown)throw h.error;if(null==(s=u)?void 0:s.thrown)throw
u.error;throw(null==(a=p)?void 0:a.error)||h.error||(null==(l=u)?void
0:l.error)}parseMaybeUnary(e){return!this.hasPlugin("jsx")&&this.isRelational("<")?this.tsParseTypeAssertion():s
uper.parseMaybeUnary(e)}parseArrow(e){if(this.match(o.colon)){const t=this.tryParse(e=>{const
t=this.tsParseTypeOrTypePredicateAnnotation(o.colon);return!this.canInsertSemicolon()&&this.match(o.arrow)||e()
,t)});if(t.aborted)return;t.throw||(t.error&&(this.state=t.failState),e.returnType=t.node)}return
super.parseArrow(e)}parseAssignableListItemTypes(e){this.eat(o.question)&&("Identifier"===e.type||this.state.isD
eclareContext||this.state.inType||this.raise(e.start,ae.PatternIsOptional),e.optional=!0);const
t=this.tsTryParseTypeAnnotation();return
t&&(e.typeAnnotation=t),this.resetEndLocation(e,e)}toAssignable(e){switch(e.type){case"TSTypeCastExpression":
return super.toAssignable(this.typeCastToParameter(e));case"TSParameterProperty":return
super.toAssignable(e);case"TSAsExpression":case"TSNonNullExpression":case"TSTypeAssertion":return
e.expression=this.toAssignable(e.expression),e;default:return
super.toAssignable(e)}checkLVal(e,t=64,r,n){switch(e.type){case"TSTypeCastExpression":return;case"TSParamet
erProperty":return void this.checkLVal(e.parameter,t,r,"parameter
property");case"TSAsExpression":case"TSNonNullExpression":case"TSTypeAssertion":return void
this.checkLVal(e.expression,t,r,n);default:return void
super.checkLVal(e,t,r,n)}parseBindingAtom(){switch(this.state.type){case o._this:return
this.parseIdentifier(!0);default:return
super.parseBindingAtom()}}parseMaybeDecoratorArguments(e){if(this.isRelational("<")){const
t=this.tsParseTypeArguments();if(this.match(o.parenL)){const r=super.parseMaybeDecoratorArguments(e);return
r.typeParameters=t,r}this.unexpected(this.state.start,o.parenL)}return
super.parseMaybeDecoratorArguments(e)}isClassMethod(){return
this.isRelational("<")||super.isClassMethod()}isClassProperty(){return
this.match(o.bang)||this.match(o.colon)||super.isClassProperty()}parseMaybeDefault(...e){const
t=super.parseMaybeDefault(...e);return"AssignmentPattern"===t.type&&t.typeAnnotation&&t.right.start<t.typeAn
notation.start&&this.raise(t.typeAnnotation.start,ae.TypeAnnotationAfterAssign,t)}getTokenFromCode(e){return!th
is.state.inType||62!==(e&&60!==(e?super.getTokenFromCode(e):this.finishOp(o.relational,1))reScan_lt_gt){if(this.
match(o.relational)){const e=this.input.charCodeAtAt(this.state.start);60!==(e&&62!==(e)||this.state.pos-
=1,this.readToken_lt_gt(e))}}toAssignableList(e){for(let t=0;t<e.length;t++){const

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r=e[t];if(r)switch(r.type){case"TSTypeCastExpression":e[t]=this.typeCastToParameter(r);break;case"TSAsExpression":case"TSTypeAssertion":this.state.maybeInArrowParameters?this.raise(r.start,ae.UnexpectedTypeCastInParameter):e[t]=this.typeCastToParameter(r)}return super.toAssignableList(...arguments)}typeCastToParameter(e){return e.expression.typeAnnotation=e.typeAnnotation,this.resetEndLocation(e.expression,e.typeAnnotation.end,e.typeAnnotation.loc.end),e.expression}shouldParseArrow(){return this.match(o.colon)||super.shouldParseArrow()}shouldParseAsyncArrow(){return this.match(o.colon)||super.shouldParseAsyncArrow()}canHaveLeadingDecorator(){return super.canHaveLeadingDecorator()}this.isAbstractClass(){jsxParseOpeningElementAfterName(e){if(this.isRelational("<")){const t=this.tsTryParseAndCatch(=>this.tsParseTypeArguments());t&&(e.typeParameters=t)}return super.jsxParseOpeningElementAfterName(e)}getGetterSetterExpectedParamCount(e){const t=super.getGetterSetterExpectedParamCount(e),r=e.params[0];return r&&"Identifier"===r.type&&"this"===r.name?t+1:t}parseCatchClauseParam(){const e=super.parseCatchClauseParam(),t=this.tsTryParseTypeAnnotation();return t&&(e.typeAnnotation=t,this.resetEndLocation(e)),e}tsInDeclareContext(e){const t=this.state.isDeclareContext;this.state.isDeclareContext=!0;try{return e()}finally{this.state.isDeclareContext=t}},v8intrinsic:e=>class extends e{parseV8Intrinsic(){if(this.match(o.modulo)){const e=this.state.start,t=this.startNode();if(this.eat(o.modulo),this.match(o.name)){const e=this.parseIdentifierName(this.state.start),r=this.createIdentifier(t,e);if(r.type="V8IntrinsicIdentifier",this.match(o.parenL))return r}this.unexpected(e)}return this.parseV8Intrinsic()}super.parseExprAtom(...arguments)},placeholders:e=>class extends e{parsePlaceholder(e){if(this.match(o.placeholder)){const t=this.startNode();return this.next(),this.assertNoSpace("Unexpected space in placeholder."),t.name=super.parseIdentifier(!0),this.assertNoSpace("Unexpected space in placeholder."),this.expect(o.placeholder),this.finishPlaceholder(t,e)}return this.finishPlaceholder(e,t)}const r=!(e.expectedNode||"Placeholder"!==e.type);return e.expectedNode=t,r?e:this.finishNode(e,"Placeholder")}getTokenFromCode(e){return 37===e&&37===this.input.charCodeAtAt(this.state.pos+1)?this.finishOp(o.placeholder,2):super.getTokenFromCode(...arguments)}parseExprAtom(){return this.parsePlaceholder("Expression")}super.parseExprAtom(...arguments)}parseIdentifier(){return this.parsePlaceholder("Identifier")}super.parseIdentifier(...arguments)}checkReservedWord(e){void 0!==e&&super.checkReservedWord(...arguments)}parseBindingAtom(){return this.parsePlaceholder("Pattern")}super.parseBindingAtom(...arguments)}checkLVal(e){"Placeholder"!==e.type&&super.checkLVal(...arguments)}toAssignable(e){return e&&"Placeholder"===e.type&&"Expression"===e.expectedNode?(e.expectedNode="Pattern",e):super.toAssignable(...arguments)}verifyBreakContinue(e){e.label&&"Placeholder"===e.label.type||super.verifyBreakContinue(...arguments)}parseExpressionStatement(e,t){if("Placeholder"!==t.type||t.extra&&t.extra.parenthesized)return super.parseExpressionStatement(...arguments);if(this.match(o.colon)){const r=e;return r.label=this.finishPlaceholder(t,"Identifier"),this.next(),r.body=this.parseStatement("label"),this.finishNode(r,"LabeledStatement")}return this.semicolon(),e.name=t.name,this.finishPlaceholder(e,"Statement")}parseBlock(){return this.parsePlaceholder("BlockStatement")}super.parseBlock(...arguments)}parseFunctionId(){return this.parsePlaceholder("Identifier")}super.parseFunctionId(...arguments)}parseClass(e,t,r){const n=t?"ClassDeclaration":"ClassExpression";this.next(),this.takeDecorators(e);const i=this.state.strict,s=this.parsePlaceholder("Identifier");if(s)if(this.match(o._extends)||this.match(o.placeholder)||this.match(o.braceL))e.id=s;else{if(r||!t)return e.id=null,e.body=this.finishPlaceholder(s,"ClassBody"),this.finishNode(e,n);this.unexpected(null,"A class name is required")}else this.parseClassId(e,t,r);return this.parseClassSuper(e),e.body=this.parsePlaceholder("ClassBody")}this.parseClassBody(!e.superClass,i),this.finis

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hNode(e,n)}parseExport(e){const t=this.parsePlaceholder("Identifier");if(!t)return
super.parseExport(...arguments);if(!this.isContextual("from")&&!this.match(o.comma))return
e.specifiers=[],e.source=null,e.declaration=this.finishPlaceholder(t,"Declaration"),this.finishNode(e,"ExportNamed
Declaration");this.expectPlugin("exportDefaultFrom");const r=this.startNode();return
r.exported=t,e.specifiers=[this.finishNode(r,"ExportDefaultSpecifier)],super.parseExport(e)}isExportDefaultSpecifi
er(){if(this.match(o._default)){const
e=this.nextTokenStart();if(this.isUnparsedContextual(e,"from")&&this.input.startsWith(o.placeholder.label,this.next
TokenStartSince(e+4)))return!0}return
super.isExportDefaultSpecifier()}maybeParseExportDefaultSpecifier(e){return!(e.specifiers&&e.specifiers.length>
0)||super.maybeParseExportDefaultSpecifier(...arguments)}checkExport(e){const{specifiers:t}=e;(null===t?void
0:t.length)&&(e.specifiers=t.filter(e=>"Placeholder"===e.exported.type)),super.checkExport(e),e.specifiers=t}parse
Import(e){const t=this.parsePlaceholder("Identifier");if(!t)return
super.parseImport(...arguments);if(e.specifiers=[],!this.isContextual("from")&&!this.match(o.comma))return
e.source=this.finishPlaceholder(t,"StringLiteral"),this.semicolon(),this.finishNode(e,"ImportDeclaration");const
r=this.startNodeAtNode(t);if(r.local=t,this.finishNode(r,"ImportDefaultSpecifier"),e.specifiers.push(r),this.eat(o.com
ma)){this.maybeParseStarImportSpecifier(e)||this.parseNamedImportSpecifiers(e)}return
this.expectContextual("from"),e.source=this.parseImportSource(),this.semicolon(),this.finishNode(e,"ImportDeclara
tion")}parseImportSource(){return
this.parsePlaceholder("StringLiteral")||super.parseImportSource(...arguments)}}de=Object.keys(ue),he={sourceTy
pe:"script",sourceFilename:void
0,startLine:1,allowAwaitOutsideFunction:!1,allowReturnOutsideFunction:!1,allowImportExportEverywhere:!1,allo
wSuperOutsideMethod:!1,allowUndeclaredExports:!1,plugins:[],strictMode:null,ranges:!1,tokens:!1,createParenthes
izedExpressions:!1,errorRecovery:!1};class fe{constructor(){this.strict=void 0,this.curLine=void
0,this.startLoc=void 0,this.endLoc=void 0,this.errors=[],this.potentialArrowAt=-
1,this.noArrowAt=[],this.noArrowParamsConversionAt=[],this.maybeInArrowParameters=!1,this.inPipeline=!1,this
.inType=!1,this.noAnonFunctionType=!1,this.inPropertyName=!1,this.hasFlowComment=!1,this.isIterator=!1,this.i
sDeclareContext=!1,this.topicContext={maxNumOfResolvableTopics:0,maxTopicIndex:null},this.soloAwait=!1,this
.inFSharpPipelineDirectBody=!1,this.labels=[],this.decoratorStack=[[]],this.comments=[],this.trailingComments=[]
,this.leadingComments=[],this.commentStack=[],this.commentPreviousNode=null,this.pos=0,this.lineStart=0,this.ty
pe=o.eof,this.value=null,this.start=0,this.end=0,this.lastTokEndLoc=null,this.lastTokStartLoc=null,this.lastTokStart
=0,this.lastTokEnd=0,this.context=[g.braceStatement],this.exprAllowed=!0,this.containsEsc=!1,this.octalPositions=
[],this.exportedIdentifiers=[],this.tokensLength=0}init(e){this.strict=!1!==e.strictMode&&"module"===e.sourceTy
pe,this.curLine=e.startLine,this.startLoc=this.endLoc=this.curPosition()}curPosition(){return new
h(this.curLine,this.pos-this.lineStart)}clone(e){const t=new fe,r=Object.keys(this);for(let
n=0,i=r.length;n<i;n++){const i=r[n];let s=this[i]!e&&Array.isArray(s)&&(s=s.slice()),t[i]=s}return t}var
me=function(e){return e>=48&&e<=57};const ye=new
Set(["g","m","s","i","y","u"]),Te={decBinOct:[46,66,69,79,95,98,101,111],hex:[46,88,95,120]},be={bin:[48,49]},b
e.oct=[...be.bin,50,51,52,53,54,55],be.dec=[...be.oct,56,57],be.hex=[...be.dec,65,66,67,68,69,70,97,98,99,100,101,10
2];class ge{constructor(e){this.type=e.type,this.value=e.value,this.start=e.start,this.end=e.end,this.loc=new
f(e.startLoc,e.endLoc)}}class Se{constructor(){this.shorthandAssign=-1,this.doubleProto=-1}}class
xe{constructor(e,t,r){this.type=void 0,this.start=void 0,this.end=void 0,this.loc=void 0,this.range=void
0,this.leadingComments=void 0,this.trailingComments=void 0,this.innerComments=void 0,this.extra=void
0,this.type="",this.start=t,this.end=0,this.loc=new f(r),(null===e?void
0:e.options.ranges)&&(this.range=[t,0]),(null===e?void
0:e.filename)&&(this.loc.filename=e.filename)}__clone(){const e=new xe,t=Object.keys(this);for(let
r=0,n=t.length;r<n;r++){const
n=t[r];"leadingComments"!==n&&"trailingComments"!==n&&"innerComments"!==n&&(e[n]=this[n])}return
e}const Ee=e=>"ParenthesizedExpression"===e.type?Ee(e.expression):e;class Pe{constructor(e=0){this.type=void

```

```

0,this.type=e}canBeArrowParameterDeclaration(){return
2===this.type||1===this.type}isCertainlyParameterDeclaration(){return 3===this.type}}class ve extends
Pe{constructor(e){super(e),this.errors=new
Map}recordDeclarationError(e,t){this.errors.set(e,t)}clearDeclarationError(e){this.errors.delete(e)}iterateErrors(e){t
his.errors.forEach(e)} }class Ae{constructor(e){this.stack=[new
Pe],this.raise=e}enter(e){this.stack.push(e)}exit(){this.stack.pop()}recordParameterInitializerError(e,t){const{stack:
r}=this;let n=r.length-
1,i=r[n];for(;!i.isCertainlyParameterDeclaration());{if(!i.canBeArrowParameterDeclaration())return;i.recordDeclarat
ionError(e,t),i=r[--n]}this.raise(e,t)}recordAsyncArrowParametersError(e,t){const{stack:r}=this;let n=r.length-
1,i=r[n];for(;i.canBeArrowParameterDeclaration());{2===i.type&&i.recordDeclarationError(e,t),i=r[--
n]}validateAsPattern(){const{stack:e}=this,t=e[e.length-
1];t.canBeArrowParameterDeclaration()&&t.iterateErrors((t,r)=>{this.raise(r,t);let n=e.length-
2,i=e[n];for(;i.canBeArrowParameterDeclaration());i.clearDeclarationError(r),i=e[--n]}} }function we(){return new
Pe}const Oe={kind:"loop"},Ie={kind:"switch"},Ce="/[\uD800-\uDFFF]/u;class
Ne{constructor(){this.privateNames=new Set,this.loneAccessors=new Map,this.undefinedPrivateNames=new
Map}} }class ke{constructor(e){this.stack=[],this.undefinedPrivateNames=new Map,this.raise=e}current(){return
this.stack[this.stack.length-1]}enter(){this.stack.push(new Ne)}exit(){const e=this.stack.pop(),t=this.current();for(let
r=0,n=Array.from(e.undefinedPrivateNames);r<n.length;r++){const[e,i]=n[r];t?t.undefinedPrivateNames.has(e)||t.un
definedPrivateNames.set(e,i):this.raise(i,y.InvalidPrivateFieldResolution,e)} }declarePrivateName(e,t,r){const
n=this.current();let i=n.privateNames.has(e);if(3&t){const r=i&&n.loneAccessors.get(e);if(r){const
s=4&r,a=4&t;i=(3&r)===(3&t)||s!==a,i||n.loneAccessors.delete(e)}else
i||n.loneAccessors.set(e,t)}i&&this.raise(r,y.PrivateNameRedeclaration,e),n.privateNames.add(e),n.undefinedPrivate
Names.delete(e)}usePrivateName(e,t){let r;for(let
t=0,n=this.stack;t<n.length;t++)if(r=n[t],r.privateNames.has(e))return;r?r.undefinedPrivateNames.set(e,t):this.raise(t
,y.InvalidPrivateFieldResolution,e)} }class De extends class extends class extends class extends class
extends class extends class extends class extends class
class{constructor(){this.sawUnambiguousESM=!1,this.ambiguousScriptDifferentAst=!1}hasPlugin(e){return
this.plugins.has(e)}getPluginOption(e,t){if(this.hasPlugin(e))return
this.plugins.get(e)[t]} }addComment(e){this.filename&&(e.loc.filename=this.filename),this.state.trailingComments
.push(e),this.state.leadingComments.push(e)}adjustCommentsAfterTrailingComma(e,t,r){if(0===this.state.leadingC
omments.length)return;let n=null,i=t.length;for(;null===n&&i>0;n=t[--i];if(null===n)return;for(let
e=0;e<this.state.leadingComments.length;e++)this.state.leadingComments[e].end<this.state.commentPreviousNode.
end&&(this.state.leadingComments.splice(e,1),e--);const s=[];for(let
t=0;t<this.state.leadingComments.length;t++){const
n=this.state.leadingComments[t];n.end<e.end?(s.push(n),r||(this.state.leadingComments.splice(t,1),t--):(void
0===e.trailingComments&&(e.trailingComments=[]),e.trailingComments.push(n))}r&&(this.state.leadingComment
s=[]),s.length>0?n.trailingComments=s:void
0!:=n.trailingComments&&(n.trailingComments=[])}processComment(e){if("Program"===e.type&&e.body.length
>0)return;const t=this.state.commentStack;let
r,n,i,s,a;if(this.state.trailingComments.length>0)this.state.trailingComments[0].start>=e.end?(i=this.state.trailingCo
mments,this.state.trailingComments=[]):this.state.trailingComments.length=0;else if(t.length>0){const
r=m(t);r.trailingComments&&r.trailingComments[0].start>=e.end&&(i=r.trailingComments,delete
r.trailingComments)}for(t.length>0&&m(t).start>=e.start&&(r=t.pop());t.length>0&&m(t).start>=e.start;n=t.pop();
if(!n&&r&&(n=r),r)switch(e.type){case"ObjectExpression":this.adjustCommentsAfterTrailingComma(e,e.properties);break;case"ObjectPattern":this.adjustCommentsAfterTrailingComma(e,e.properties,!0);break;case"CallExpressio
n":this.adjustCommentsAfterTrailingComma(e,e.arguments);break;case"ArrayExpression":this.adjustCommentsAft
erTrailingComma(e,e.elements);break;case"ArrayPattern":this.adjustCommentsAfterTrailingComma(e,e.elements,!
0)}else

```

```

this.state.commentPreviousNode&&("ImportSpecifier"===this.state.commentPreviousNode.type&&"ImportSpecifi
er"!==e.type||"ExportSpecifier"===this.state.commentPreviousNode.type&&"ExportSpecifier"!==e.type)&&this.ad
justCommentsAfterTrailingComma(e,[this.state.commentPreviousNode]);if(n){if(n.leadingComments)if(n!==e&&n
.leadingComments.length>0&&m(n.leadingComments).end<=e.start)e.leadingComments=n.leadingComments,delete
e n.leadingComments;else for(s=n.leadingComments.length-2;s>=0;--
s)if(n.leadingComments[s].end<=e.start){e.leadingComments=n.leadingComments.splice(0,s+1);break } }else
if(this.state.leadingComments.length>0)if(m(this.state.leadingComments).end<=e.start){if(this.state.commentPrevio
usNode)for(a=0;a<this.state.leadingComments.length;a++)this.state.leadingComments[a].end<this.state.commentPr
eviousNode.end&&(this.state.leadingComments.splice(a,1),a--
);this.state.leadingComments.length>0&&(e.leadingComments=this.state.leadingComments,this.state.leadingComm
ents=[])}else{for(s=0;s<this.state.leadingComments.length&&!(this.state.leadingComments[s].end>e.start);s++);co
nst
t=this.state.leadingComments.slice(0,s);t.length&&(e.leadingComments=t),i=this.state.leadingComments.slice(s),0=
==i.length&&(i=null)}if(this.state.commentPreviousNode=e,i)if(i.length&&i[0].start>=e.start&&m(i).end<=e.end)e
.innerComments=i;else{const
t=i.findIndex(t=>t.end>=e.end);t>0?(e.innerComments=i.slice(0,t),e.trailingComments=i.slice(t)):e.trailingCommen
ts=i)t.push(e)}{getLocationForPosition(e){let t;return
t=e===this.state.start?this.state.startLoc:e===this.state.lastTokStart?this.state.lastTokStartLoc:e===this.state.end?th
is.state.endLoc:e===this.state.lastTokEnd?this.state.lastTokEndLoc:function(e,t){let
r,n=1,i=0;for(c.lastIndex=0;(r=c.exec(e))&&r.index<t;)n++,i=c.lastIndex;return new h(n,t-
i)}(this.input,e),t)raise(e,t,...r){return this.raiseWithData(e,void 0,t,...r)}raiseWithData(e,t,r,...n){const
i=this.getLocationForPosition(e),s=r.replace(/%(\d+)/g,(e,t)=>n[t])+` (${i.line}:${i.column})`;return
this._raise(Object.assign({loc:i,pos:e},t),s)}_raise(e,t){const r=new
SyntaxError(t);if(Object.assign(r,e),this.options.errorRecovery)return
this.isLookahead||this.state.errors.push(r),r;throw r}}constructor(e,t){super(),this.isLookahead=void
0,this.tokens=[],this.state=new
fe,this.state.init(e),this.input=t,this.length=t.length,this.isLookahead=!1}pushToken(e){this.tokens.length=this.state.t
okensLength,this.tokens.push(e),++this.state.tokensLength}next(){this.isLookahead||(this.checkKeywordEscapes(),t
his.options.tokens&&this.pushToken(new
ge(this.state))),this.state.lastTokEnd=this.state.end,this.state.lastTokStart=this.state.start,this.state.lastTokEndLoc=th
is.state.endLoc,this.state.lastTokStartLoc=this.state.startLoc,this.nextToken()}eat(e){return!!this.match(e)&&(this.n
ext(),!0)}match(e){return this.state.type===e}lookahead(){const
e=this.state;this.state=e.clone(!0),this.isLookahead=!0,this.next(),this.isLookahead=!1;const t=this.state;return
this.state=e,t}nextTokenStart(){return
this.nextTokenStartSince(this.state.pos)}nextTokenStartSince(e){u.lastIndex=e;return
e+u.exec(this.input)[0].length}lookaheadCharCode(){return
this.input.charCodeAtAt(this.nextTokenStart())}setStrict(e){if(this.state.strict=e,this.match(o.num)||this.match(o.string
))){for(this.state.pos=this.state.start;this.state.pos<this.state.lineStart;)this.state.lineStart=this.input.lastIndexOf("\n",t
his.state.lineStart-2)+1,--this.state.curLine;this.nextToken()}curContext(){return
this.state.context[this.state.context.length-1]}nextToken(){const e=this.curContext();if((null===e?void
0:e.preserveSpace)||this.skipSpace(),this.state.octalPositions=[],this.state.start=this.state.pos,this.state.startLoc=this.s
tate.curPosition(),this.state.pos>=this.length)return void this.finishToken(o.eof);const t=null===e?void
0:e.override;t?t(this):this.getTokenFromCode(this.input.codePointAt(this.state.pos))}pushComment(e,t,r,n,i,s){const
a={type:e?"CommentBlock":"CommentLine",value:t,start:r,end:n,loc:new
f(i,s)};this.options.tokens&&this.pushToken(a),this.state.comments.push(a),this.addComment(a)}skipBlockComme
nt(){const e=this.state.curPosition(),t=this.state.pos,r=this.input.indexOf("*/",this.state.pos+2);if(-1===r)throw
this.raise(t,y.UnterminatedComment);let
n;for(this.state.pos=r+2,c.lastIndex=t;(n=c.exec(this.input))&&n.index<this.state.pos;)+this.state.curLine,this.state.

```



```

lineStart=n.index+n[0].length;this.isLookahead||this.pushComment(!0,this.input.slice(t+2,r),t,this.state.pos,e,this.state.curPosition())}skipLineComment(e){const t=this.state.pos,r=this.state.curPosition();let n=this.input.charCodeAtAt(this.state.pos+=e);if(this.state.pos<this.length)for(;;!p(n)&&this.state.pos<this.length;n=this.input.charCodeAtAt(this.state.pos);this.isLookahead||this.pushComment(!1,this.input.slice(t+e,this.state.pos),t,this.state.pos,r,this.state.curPosition()))skipSpace(){e:for(;;this.state.pos<this.length;){const e=this.input.charCodeAtAt(this.state.pos);switch(e){case 32:case 160:case 9:++this.state.pos;break;case 13:10===this.input.charCodeAtAt(this.state.pos+1)&&this.state.pos;case 10:case 8232:case 8233:++this.state.pos,++this.state.curLine,this.state.lineStart=this.state.pos;break;case 47:switch(this.input.charCodeAtAt(this.state.pos+1)){case 42:this.skipBlockComment();break;case 47:this.skipLineComment(2);break;default:break e}break;default:if(!d(e))break e;this.state.pos}}finishToken(e,t){this.state.end=this.state.pos,this.state.endLoc=this.state.curPosition();const r=this.state.type;this.state.type=e,this.state.value=t,this.isLookahead||this.updateContext(r)}readToken_numberSign(){if(0===this.state.pos&&this.readToken_interpreter())return;const e=this.state.pos+1,t=this.input.charCodeAtAt(e);if(t>=48&&t<=57)throw this.raise(this.state.pos,y.UnexpectedDigitAfterHash);if(123===t||91===t&&this.hasPlugin("recordAndTuple")){if(this.expectPlugin("recordAndTuple"),"hash"!==this.getPluginOption("recordAndTuple","syntaxType"))throw this.raise(this.state.pos,123===t?y.RecordExpressionHashIncorrectStartSyntaxType:y.TupleExpressionHashIncorrectStartSyntaxType);123===t?this.finishToken(o.braceHashL):this.finishToken(o.bracketHashL),this.state.pos+=2}else this.finishOp(o.hash,1)}readToken_dot(){const e=this.input.charCodeAtAt(this.state.pos+1);e>=48&&e<=57?this.readNumber(!0):46===e&&46===this.input.charCodeAtAt(this.state.pos+2)?(this.state.pos+=3,this.finishToken(o.ellipsis)):(++this.state.pos,this.finishToken(o.dot))}readToken_slash(){if(this.state.exprAllowed&&!this.state.inType)return++this.state.pos,void this.readRegexp();61===this.input.charCodeAtAt(this.state.pos+1)?this.finishOp(o.assign,2):this.finishOp(o.slash,1)}readToken_interpreter(){if(0!==this.state.pos||this.length<2)return!1;let e=this.input.charCodeAtAt(this.state.pos+1);if(33!==(e))return!1;const t=this.state.pos;for(this.state.pos+=1;!p(e)&&this.state.pos<this.length;e=this.input.charCodeAtAt(this.state.pos);const r=this.input.slice(t+2,this.state.pos);return this.finishToken(o.interpreterDirective,r,!0)}readToken_mult_modulo(e){let t=42===e?o.star:o.modulo,r=1,n=this.input.charCodeAtAt(this.state.pos+1);const i=this.state.exprAllowed;42===e&&42===n&&(r++,n=this.input.charCodeAtAt(this.state.pos+2),t=o.exponent),61!==(n||i||(r++,t=o.assign),this.finishOp(t,r)}readToken_pipe_amp(e){const t=this.input.charCodeAtAt(this.state.pos+1);if(t!==(e)){if(124===e){if(62===t)return void this.finishOp(o.pipeline,2);if(this.hasPlugin("recordAndTuple")&&125===t){if("bar"!==this.getPluginOption("recordAndTuple","syntaxType"))throw this.raise(this.state.pos,y.RecordExpressionBarIncorrectEndSyntaxType);return void this.finishOp(o.braceBarR,2)}if(this.hasPlugin("recordAndTuple")&&93===t){if("bar"!==this.getPluginOption("recordAndTuple","syntaxType"))throw this.raise(this.state.pos,y.TupleExpressionBarIncorrectEndSyntaxType);return void this.finishOp(o.bracketBarR,2)}61!==(t)?this.finishOp(124===e?o.bitwiseOR:o.bitwiseAND,1):this.finishOp(o.assign,2)}else 61===this.input.charCodeAtAt(this.state.pos+2)?this.finishOp(o.assign,3):this.finishOp(124===e?o.logicalOR:o.logicalAND,2)}readToken_caret(){61===this.input.charCodeAtAt(this.state.pos+1)?this.finishOp(o.assign,2):this.finishOp(o.bitwiseXOR,1)}readToken_plus_min(e){const t=this.input.charCodeAtAt(this.state.pos+1);if(t===e)return 45!==(t||this.inModule||62!==(this.input.charCodeAtAt(this.state.pos+2)||0!==(this.state.lastTokEnd&&!this.hasPrecedingLineBreak()?void this.finishOp(o.incDec,2):(this.skipLineComment(3),this.skipSpace(),void this.nextToken()));61===t?this.finishOp(o.assign,2):this.finishOp(o.plusMin,1)}readToken_lt_gt(e){const t=this.input.charCodeAtAt(this.state.pos+1);let r=1;return t===e?(r=62===e&&62===this.input.charCodeAtAt(this.state.pos+2)?3:2,61===this.input.charCodeAtAt(this.state.pos+

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r)?void this.finishOp(o.assign,r+1):void
this.finishOp(o.bitShift,r):33!==(t||60!==(e||this.inModule||45!==(this.input.charCodeAt(this.state.pos+2)||45!==(this.in
put.charCodeAt(this.state.pos+3))?(61===t&&(r=2),void
this.finishOp(o.relational,r):(this.skipLineComment(4),this.skipSpace(),void
this.nextToken())}readToken_eq_excl(e){const t=this.input.charCodeAt(this.state.pos+1);if(61!==(t)return
61===e&&62===t?(this.state.pos+=2,void this.finishToken(o.arrow)):void
this.finishOp(61===e?o.eq:o.bang,1);this.finishOp(o.equality,61===this.input.charCodeAt(this.state.pos+2)?3:2)}re
adToken_question(){const
e=this.input.charCodeAt(this.state.pos+1),t=this.input.charCodeAt(this.state.pos+2);63===e?61===t?this.finishOp(
o.assign,3):this.finishOp(o.nullishCoalescing,2):46!==(e||t>=48&&t<=57?(++this.state.pos,this.finishToken(o.questi
on)):this.state.pos+=2,this.finishToken(o.questionDot))}getTokenFromCode(e){switch(e){case 46:return void
this.readToken_dot();case 40:return++this.state.pos,void this.finishToken(o.parenL);case
41:return++this.state.pos,void this.finishToken(o.parenR);case 59:return++this.state.pos,void
this.finishToken(o.semi);case 44:return++this.state.pos,void this.finishToken(o.comma);case
91:if(this.hasPlugin("recordAndTuple")&&124===this.input.charCodeAt(this.state.pos+1)){if("bar"!==this.getPlugi
nOption("recordAndTuple","syntaxType"))throw
this.raise(this.state.pos,y.TupleExpressionBarIncorrectStartSyntaxType);this.finishToken(o.bracketBarL),this.state.p
os+=2}else++this.state.pos,this.finishToken(o.bracketL);return;case 93:return++this.state.pos,void
this.finishToken(o.bracketR);case
123:if(this.hasPlugin("recordAndTuple")&&124===this.input.charCodeAt(this.state.pos+1)){if("bar"!==this.getPlugi
nOption("recordAndTuple","syntaxType"))throw
this.raise(this.state.pos,y.RecordExpressionBarIncorrectStartSyntaxType);this.finishToken(o.braceBarL),this.state.p
os+=2}else++this.state.pos,this.finishToken(o.braceL);return;case 125:return++this.state.pos,void
this.finishToken(o.braceR);case 58:return
void(this.hasPlugin("functionBind")&&58===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.doubleColon,
2):(++this.state.pos,this.finishToken(o.colon));case 63:return void this.readToken_question();case
96:return++this.state.pos,void this.finishToken(o.backQuote);case 48:{const
e=this.input.charCodeAt(this.state.pos+1);if(120===e||88===e)return void
this.readRadixNumber(16);if(111===e||79===e)return void this.readRadixNumber(8);if(98===e||66===e)return
void this.readRadixNumber(2)}case 49:case 50:case 51:case 52:case 53:case 54:case 55:case 56:case 57:return void
this.readNumber(!1);case 34:case 39:return void this.readString(e);case 47:return void this.readToken_slash();case
37:case 42:return void this.readToken_mult_modulo(e);case 124:case 38:return void
this.readToken_pipe_amp(e);case 94:return void this.readToken_caret();case 43:case 45:return void
this.readToken_plus_min(e);case 60:case 62:return void this.readToken_lt_gt(e);case 61:case 33:return void
this.readToken_eq_excl(e);case 126:return void this.finishOp(o.tilde,1);case 64:return++this.state.pos,void
this.finishToken(o.at);case 35:return void this.readToken_numberSign();case 92:return void
this.readWord();default:if(O(e))return void this.readWord()}throw
this.raise(this.state.pos,y.InvalidOrUnexpectedToken,String.fromCodePoint(e))}finishOp(e,t){const
r=this.input.slice(this.state.pos,this.state.pos+t);this.state.pos+=t,this.finishToken(e,r)}readRegexp(){const
e=this.state.pos;let t,r;for(;;){if(this.state.pos>=this.length)throw this.raise(e,y.UnterminatedRegExp);const
n=this.input.charAt(this.state.pos);if(l.test(n))throw
this.raise(e,y.UnterminatedRegExp);if(t)!1;else{if("["]===n)r=!0;else if "]"===n&&r=!1;else
if("/")===n&&!r)break;t="\"===n}++this.state.pos}const n=this.input.slice(e,this.state.pos);++this.state.pos;let
i="";for(;this.state.pos<this.length;){const
e=this.input[this.state.pos],t=this.input.codePointAt(this.state.pos);if(ye.has(e))i.indexOf(e)>-
1&&this.raise(this.state.pos+1,y.DuplicateRegExpFlags);else{if(!I(t)&&92!==(t))break;this.raise(this.state.pos+1,y.
MalformedRegExpFlags)}++this.state.pos,i+=e}this.finishToken(o.regexp,{pattern:n,flags:i})}readInt(e,t,r,n=!0){c
onst i=this.state.pos,s=16===e?Te.hex:Te.decBinOct,a=16===e?be.hex:10===e?be.dec:8===e?be.oct:be.bin;let

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```

o=!1,l=0;for(let i=0,c=null==t?1/0:t;i<c;++i){const t=this.input.charCodeAtAt(this.state.pos);let
c;if(95!==(t))if(c=t>=97?t-97+10:t>=65?t-65+10:me(t)?t-
48:1/0,c>=e)if(this.options.errorRecovery&&c<=9)c=0,this.raise(this.state.start+i+2,y.InvalidDigit,e);else{if(!r)brea
k;c=0,o=!0}++this.state.pos,l=l*e+c}else{const e=this.input.charCodeAtAt(this.state.pos-
1),t=this.input.charCodeAtAt(this.state.pos+1);(-1===a.indexOf(t)||s.indexOf(e)>-1||s.indexOf(t)>-
1||Number.isNaN(t))&&this.raise(this.state.pos,y.UnexpectedNumericSeparator),n||this.raise(this.state.pos,y.Numeri
cSeparatorInEscapeSequence),++this.state.pos }return this.state.pos===i||null!=t&&this.state.pos-
i!==(t||o?null:l)readRadixNumber(e){const t=this.state.pos;let r=!1;this.state.pos+=2;const
n=this.readInt(e);null==n&&this.raise(this.state.start+2,y.InvalidDigit,e);const
i=this.input.charCodeAtAt(this.state.pos);if(110===i)++this.state.pos,r=!0;else if(109===i)throw
this.raise(t,y.InvalidDecimal);if(O(this.input.codePointAt(this.state.pos)))throw
this.raise(this.state.pos,y.NumberIdentifier);if(r){const
e=this.input.slice(t,this.state.pos).replace(/[_n]/g,"");this.finishToken(o.bigint,e)}else
this.finishToken(o.num,n)}readNumber(e){const t=this.state.pos;let
r=!1,n=!1,i=!1,s=!1,a=!1,e||null!==(this.readInt(10)||this.raise(t,y.InvalidNumber));const l=this.state.pos-
t>=2&&48===this.input.charCodeAtAt(t);if(l){const
e=this.input.slice(t,this.state.pos);if(this.state.strict)this.raise(t,y.StrictOctalLiteral);else{const
r=e.indexOf("_");r>0&&this.raise(r+t,y.ZeroDigitNumericSeparator)}a=l&&!/89]/.test(e)}let
c=this.input.charCodeAtAt(this.state.pos);if(46!==(c||a||(++this.state.pos,this.readInt(10),r=!0,c=this.input.charCodeAtAt(t
his.state.pos)),69!==(c&&101!==(c||a||c=this.input.charCodeAtAt(++this.state.pos),43!==(c&&45!==(c||++this.state.pos,
null===this.readInt(10))&&this.raise(t,y.InvalidOrMissingExponent),r=!0,s=!0,c=this.input.charCodeAtAt(this.state.po
s)),110===c&&(r||l)&&this.raise(t,y.InvalidBigIntLiteral),++this.state.pos,n=!0),109===c&&(this.expectPlugin("d
ecimal",this.state.pos),(s||l)&&this.raise(t,y.InvalidDecimal),++this.state.pos,i=!0),O(this.input.codePointAt(this.stat
e.pos)))throw this.raise(this.state.pos,y.NumberIdentifier);const
p=this.input.slice(t,this.state.pos).replace(/[_mn]/g,"");if(n)return void this.finishToken(o.bigint,p);if(i)return void
this.finishToken(o.decimal,p);const
u=a?parseInt(p,8):parseFloat(p);this.finishToken(o.num,u)}readCodePoint(e){let
t;if(123===this.input.charCodeAtAt(this.state.pos)){const
r=++this.state.pos;if(t=this.readHexChar(this.input.indexOf(")",this.state.pos)-
this.state.pos,!0,e),++this.state.pos,null!==(t&&t>1114111){if(!e)return null;this.raise(r,y.InvalidCodePoint)}}else
t=this.readHexChar(4,!1,e);return t}readString(e){let
t="",r=++this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,y.UnterminatedString);const
n=this.input.charCodeAtAt(this.state.pos);if(n===e)break;if(92===n)t+=this.input.slice(r,this.state.pos),t+=this.readEs
capedChar(!1),r=this.state.pos;else
if(8232===n||8233===n)++this.state.pos,++this.state.curLine,this.state.lineStart=this.state.pos;else{if(p(n))throw
this.raise(this.state.start,y.UnterminatedString);++this.state.pos }t+=this.input.slice(r,this.state.pos++),this.finishTo
ken(o.string,t)}readTplToken(){let e="",t=this.state.pos,r=!1;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,y.UnterminatedTemplate);const
n=this.input.charCodeAtAt(this.state.pos);if(96===n||36===n&&123===this.input.charCodeAtAt(this.state.pos+1))retur
n this.state.pos===this.state.start&&this.match(o.template)?36===n?(this.state.pos+=2,void
this.finishToken(o.dollarBraceL)):(++this.state.pos,void
this.finishToken(o.backQuote)):(e+=this.input.slice(t,this.state.pos),void
this.finishToken(o.template,r?null:e));if(92===n){e+=this.input.slice(t,this.state.pos);const
n=this.readEscapedChar(!0);null===n?r=!0:e+=n,t=this.state.pos }else
if(p(n)){switch(e+=this.input.slice(t,this.state.pos),++this.state.pos,n){case
13:10===this.input.charCodeAtAt(this.state.pos)&&++this.state.pos;case
10:e+="\n";break;default:e+=String.fromCharCode(n)}++this.state.curLine,this.state.lineStart=this.state.pos,t=this.s

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```

tate.pos }else++this.state.pos } }readEscapedChar(e){ const
t=!e,r=this.input.charCodeAt(++this.state.pos);switch(++this.state.pos,r){ case 110:return"n";case
114:return"r";case 120:{ const e=this.readHexChar(2,!1,t);return null===e?null:String.fromCharCode(e)}case
117:{ const e=this.readCodePoint(t);return null===e?null:String.fromCharCode(e)}case 116:return"t";case
98:return"b";case 118:return"v";case 102:return"f";case
13:10===this.input.charCodeAt(this.state.pos)&&++this.state.pos;case
10:this.state.lineStart=this.state.pos,++this.state.curLine;case 8232:case 8233:return"";case 56:case 57:if(e)return
null;this.state.strict&&this.raise(this.state.pos-1,y.StrictNumericEscape);default:if(r>=48&&r<=55){ const
t=this.state.pos-1;let r=this.input.substr(this.state.pos-1,3).match(/[0-
7]+/)[0],n=parseInt(r,8);n>255&&(r=r.slice(0,-1),n=parseInt(r,8)),this.state.pos+=r.length-1;const
i=this.input.charCodeAt(this.state.pos);if("0"!==(r||56===i||57===i)){ if(e)return
null;this.state.strict?this.raise(t,y.StrictNumericEscape):this.state.octalPositions.push(t)}return
String.fromCharCode(n)}return String.fromCharCode(r)} }readHexChar(e,t,r){ const
n=this.state.pos,i=this.readInt(16,e,t,!1);return
null===i&&(r?this.raise(n,y.InvalidEscapeSequence):this.state.pos=n-1),i}readWord1(){ let
e="";this.state.containsEsc=!1;const t=this.state.pos;let r=this.state.pos;for(;this.state.pos<this.length;){ const
n=this.input.codePointAt(this.state.pos);if(I(n))this.state.pos+=n<=65535?1:2;else
if(this.state.isIterator&&64===n)++this.state.pos;else{ if(92!==(n))break;{ this.state.containsEsc=!0,e+=this.input.slic
e(r,this.state.pos);const
n=this.state.pos,i=this.state.pos===t?O:I;if(117!==(this.input.charCodeAt(++this.state.pos))){ this.raise(this.state.pos,
y.MissingUnicodeEscape);continue }++this.state.pos;const
s=this.readCodePoint(!0);null!=s&&(i(s)||this.raise(n,y.EscapedCharNotAnIdentifier),e+=String.fromCharCode(s)
),r=this.state.pos } } }return
e+this.input.slice(r,this.state.pos)}isIterator(e){ return"@ @iterator"===e||"@ @asyncIterator"===e}readWord(){ con
st
e=this.readWord1(),t=i.get(e)||o.name;!this.state.isIterator||this.isIterator(e)&&this.state.inType||this.raise(this.state.p
os,y.InvalidIdentifier,e),this.finishToken(t,e)}checkKeywordEscapes(){ const
e=this.state.type.keyword;e&&this.state.containsEsc&&this.raise(this.state.start,y.InvalidEscapedReservedWord,e)}
braceIsBlock(e){ const t=this.curContext();return
t===g.functionExpression||t===g.functionStatement||(e!==o.colon||t===g.braceStatement&&t===g.braceExpression?
e===o._return||e===o.name&&this.state.exprAllowed?this.hasPrecedingLineBreak():e===o._else||e===o.semi||e===
=o.eof||e===o.parenR||e===o.arrow||(e===o.braceL?t===g.braceStatement:e!==o._var&&e!==o._const&&e!==o.na
me&&(e===o.relational||!this.state.exprAllowed)):!t.isExpr)}updateContext(e){ const t=this.state.type;let
r;!t.keyword||e!==o.dot&&e!==o.questionDot?(r=t.updateContext)?r.call(this,e):this.state.exprAllowed=t.beforeExp
r:this.state.exprAllowed=!1 } } { addExtra(e,t,r) { if(!e)return;(e.extra=e.extra||{})[t]=r}isRelational(e){ return
this.match(o.relational)&&this.state.value===e}expectRelational(e){ this.isRelational(e)?this.next():this.unexpected(
null,o.relational)}isContextual(e){ return
this.match(o.name)&&this.state.value===e&&!this.state.containsEsc}isUnparsedContextual(e,t){ const
r=e+t.length;return
this.input.slice(e,r)===t&&(r===this.input.length||!I(this.input.charCodeAt(r)))}isLookaheadContextual(e){ const
t=this.nextTokenStart();return this.isUnparsedContextual(t,e)}eatContextual(e){ return
this.isContextual(e)&&this.eat(o.name)}expectContextual(e,t){ this.eatContextual(e)||this.unexpected(null,t)}canInse
rtSemicolon(){ return
this.match(o.eof)||this.match(o.braceR)||this.hasPrecedingLineBreak()}hasPrecedingLineBreak(){ return
l.test(this.input.slice(this.state.lastTokEnd,this.state.start))}isLineTerminator(){ return
this.eat(o.semi)||this.canInsertSemicolon()}semicolon(){ this.isLineTerminator()||this.unexpected(null,o.semi)}expec
t(e,t){ this.eat(e)||this.unexpected(t,e)}assertNoSpace(e="Unexpected
space."){ this.state.start>this.state.lastTokEnd&&this.raise(this.state.lastTokEnd,e)}unexpected(e,t="Unexpected

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token"){throw"string"!=typeof t&&(t=`Unexpected token, expected
"${t.label}")},this.raise(null!=e?e:this.state.start,t)}expectPlugin(e,t){if(!this.hasPlugin(e))throw
this.raiseWithData(null!=t?t:this.state.start,{missingPlugin:[e]},`This experimental syntax requires enabling the
parser plugin: "${e}"`);return!0}expectOnePlugin(e,t){if(!e.some(e=>this.hasPlugin(e)))throw
this.raiseWithData(null!=t?t:this.state.start,{missingPlugin:e},`This experimental syntax requires enabling one of the
following parser plugin(s): "${e.join(", ")}`)}tryParse(e,t=this.state.clone()){const r={node:null};try{const
n=e((e=null)=>{throw r.node=e,r});if(this.state.errors.length>t.errors.length){const e=this.state;return
this.state=t,{node:n,error:e.errors[t.errors.length],thrown:!1,aborted:!1,failState:e}}return{node:n,error:null,thrown:
!1,aborted:!1,failState:null}}catch(e){const n=this.state;if(this.state=t,e instanceof
SyntaxError)return{node:null,error:e,thrown:!0,aborted:!1,failState:n};if(e===r)return{node:r.node,error:null,throw
n:!1,aborted:!0,failState:n};throw
e}}checkExpressionErrors(e,t){if(!e)return!1;const{shorthandAssign:r,doubleProto:n}=e;if(!t)return
r>=0||n>=0;r>=0&&this.unexpected(r),n>=0&&this.raise(n,y.DuplicateProto)}isLiteralPropertyName(){return
this.match(o.name)||!this.state.type.keyword||this.match(o.string)||this.match(o.num)||this.match(o.bigint)||this.matc
h(o.decimal)}}startNode(){return new xe(this,this.state.start,this.state.startLoc)}startNodeAt(e,t){return new
xe(this,e,t)}startNodeAtNode(e){return this.startNodeAt(e.start,e.loc.start)}finishNode(e,t){return
this.finishNodeAt(e,t,this.state.lastTokEnd,this.state.lastTokEndLoc)}finishNodeAt(e,t,r,n){return
e.type=t,e.end=r,e.loc.end=n,this.options.ranges&&(e.range[1]=r),this.processComment(e,e)resetStartLocation(e,t,
r){e.start=t,e.loc.start=r,this.options.ranges&&(e.range[0]=t)}resetEndLocation(e,t=this.state.lastTokEnd,r=this.stat
e.lastTokEndLoc){e.end=t,e.loc.end=r,this.options.ranges&&(e.range[1]=t)}resetStartLocationFromNode(e,t){this.r
esetStartLocation(e,t.start,t.loc.start)}}toAssignable(e){var t,r;let n=void
0;switch(("ParenthesizedExpression"===e.type||(null==(t=e.extra)?void
0:t.parenthesized))&&(n=Ee(e),"Identifier"!==n.type&&"MemberExpression"!==n.type&&this.raise(e.start,y.Invalid
ParenthesizedAssignment)),e.type){case"Identifier":case"ObjectPattern":case"ArrayPattern":case"AssignmentPatte
rn":break;case"ObjectExpression":e.type="ObjectPattern";for(let t=0,r=e.properties.length,n=r-1;t<r;t++){var
i;const
r=e.properties[t],s=t===n;this.toAssignableObjectExpressionProp(r,s)&&"RestElement"===r.type&&(null==(i=e.
extra)?void
0:i.trailingComma)&&this.raiseRestNotLast(e.extra.trailingComma)}break;case"ObjectProperty":this.toAssignable(
e.value);break;case"SpreadElement":{this.checkToRestConversion(e),e.type="RestElement";const
t=e.argument;this.toAssignable(t);break}case"ArrayExpression":e.type="ArrayPattern",this.toAssignableList(e.elem
ents,null==(r=e.extra)?void
0:r.trailingComma);break;case"AssignmentExpression":e.operator&&this.raise(e.left.end,y.MissingEqInAssi
gnment),e.type="AssignmentPattern",delete
e.operator,this.toAssignable(e.left);break;case"ParenthesizedExpression":this.toAssignable(n)}return
e}toAssignableObjectExpressionProp(e,t){if("ObjectMethod"===e.type){const
t="get"===e.kind||"set"===e.kind?y.PatternHasAccessor:y.PatternHasMethod;this.raise(e.key.start,t)}else"SpreadEl
ement"!==e.type||t?this.toAssignable(e):this.raiseRestNotLast(e.start)}toAssignableList(e,t){let
r=e.length;if(r){const n=e[r-1];if("RestElement"===n&&(null==n?void 0:n.type))--r;else
if("SpreadElement"===n&&(null==n?void 0:n.type)){n.type="RestElement";const
e=n.argument;this.toAssignable(e),"Identifier"!==e.type&&"MemberExpression"!==e.type&&"ArrayPattern"!==e.t
ype&&"ObjectPattern"!==e.type&&this.unexpected(e.start),t&&this.raiseTrailingCommaAfterRest(t,-r)}for(let
t=0;t<r;t++){const
r=e[t];r&&(this.toAssignable(r),"RestElement"===r.type&&this.raiseRestNotLast(r.start))}return
e}toReferencedList(e,t){return e}toReferencedListDeep(e,t){this.toReferencedList(e,t);for(let
t=0;t<e.length;t++){const r=e[t];"ArrayExpression"===r?(null==r?void
0:r.type)&&this.toReferencedListDeep(r.elements)}}parseSpread(e,t){const r=this.startNode();return
this.next(),r.argument=this.parseMaybeAssignAllowIn(e,void

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0,t),this.finishNode(r,"SpreadElement"))}parseRestBinding(){const e=this.startNode();return
this.next(),e.argument=this.parseBindingAtom(),this.finishNode(e,"RestElement")}parseBindingAtom(){switch(this
.state.type){case o.bracketL:{const e=this.startNode();return
this.next(),e.elements=this.parseBindingList(o.bracketR,93,!0),this.finishNode(e,"ArrayPattern")}case
o.braceL:return this.parseObjectLike(o.braceR,!0)}return this.parseIdentifier()}parseBindingList(e,t,r,n){const
i=[];let
s=!0;for(;!this.eat(e);)if(s?s=!1:this.expect(o.comma),r&&this.match(o.comma))i.push(null);else{if(this.eat(e))break
;if(this.match(o.ellipsis)){i.push(this.parseAssignableListItemTypes(this.parseRestBinding()),this.checkCommaAft
erRest(t),this.expect(e);break}}const
e=[];for(this.match(o.at)&&this.hasPlugin("decorators")&&this.raise(this.state.start,y.UnsupportedParameterDecora
tor);this.match(o.at);)e.push(this.parseDecorator());i.push(this.parseAssignableListItem(n,e))}return
i}parseAssignableListItem(e,t){const r=this.parseMaybeDefault();this.parseAssignableListItemTypes(r);const
n=this.parseMaybeDefault(r.start,r.loc.start,r);return
t.length&&(r.decorators=t),n}parseAssignableListItemTypes(e){return e}parseMaybeDefault(e,t,r){var
n,i,s;if(t=null!=(n=t)?n:this.state.startLoc,e=null!=(i=e)?i:this.state.start,r=null!=(s=r)?s:this.parseBindingAtom(),!th
is.eat(o.eq))return r;const a=this.startNodeAt(e,t);return
a.left=r,a.right=this.parseMaybeAssignAllowIn(),this.finishNode(a,"AssignmentPattern")}checkLVal(e,t=64,r,n,i,s=
!1){switch(e.type){case"Identifier":if(this.state.strict&&(s?F(e.name,this.inModule):j(e.name))&&this.raise(e.start,6
4===t?y.StrictEvalArguments:y.StrictEvalArgumentsBinding,e.name),r){const
t="_"+e.name;r[t]?this.raise(e.start,y.ParamDupe):r[t]=!0}i&&"let"===e.name&&this.raise(e.start,y.LetInLexicalBi
nding),64&t|this.scope.declareName(e.name,t,e.start);break;case"MemberExpression":64!==t&&this.raise(e.start,y.
InvalidPropertyBindingPattern);break;case"ObjectPattern":for(let n=0,s=e.properties;n<s.length;n++){let
e=s[n];if("ObjectProperty"===e.type)e=e.value;else
if("ObjectMethod"===e.type)continue;this.checkLVal(e,t,r,"object destructuring
pattern",i)}break;case"ArrayPattern":for(let n=0,s=e.elements;n<s.length;n++){const
e=s[n];e&&this.checkLVal(e,t,r,"array destructuring
pattern",i)}break;case"AssignmentPattern":this.checkLVal(e.left,t,r,"assignment
pattern");break;case"RestElement":this.checkLVal(e.argument,t,r,"rest
element");break;case"ParenthesizedExpression":this.checkLVal(e.expression,t,r,"parenthesized
expression");break;default:this.raise(e.start,64===t?y.InvalidLhs:y.InvalidLhsBinding,n)}checkToRestConversion(
e){!"Identifier"!==e.argument.type&&"MemberExpression"!==e.argument.type&&this.raise(e.argument.start,y.Invalid
RestAssignmentPattern)}checkCommaAfterRest(e){this.match(o.comma)&&(this.lookaheadCharCode()===e?thi
s.raiseTrailingCommaAfterRest(this.state.start):this.raiseRestNotLast(this.state.start))}raiseRestNotLast(e){throw
this.raise(e,y.ElementAfterRest)}raiseTrailingCommaAfterRest(e){this.raise(e,y.RestTrailingComma)}}{checkProt
o(e,t,r,n){if("SpreadElement"===e.type||"ObjectMethod"===e.type||e.computed||e.shorthand)return;const
i=e.key;if("__proto__"===("Identifier"===i.type?i.name:i.value)){if(t)return void
this.raise(i.start,y.RecordNoProto);r.used&&(n?-
1===n.doubleProto&&(n.doubleProto=i.start):this.raise(i.start,y.DuplicateProto)),r.used=!0}}shouldExitDescending
(e,t){return"ArrowFunctionExpression"===e.type&&e.start===t}getExpression(){let
e=0;this.hasPlugin("topLevelAwait")&&this.inModule&&(e|=2),this.scope.enter(1),this.prodParam.enter(e),this.nex
tToken();const t=this.parseExpression();return
this.match(o.eof)||this.unexpected(),t.comments=this.state.comments,t.errors=this.state.errors,t}parseExpression(e,t)
{return
e?this.disallowInAnd(()=>this.parseExpressionBase(t)):this.allowInAnd(()=>this.parseExpressionBase(t))}parseExp
ressionBase(e){const
t=this.state.start,r=this.state.startLoc,n=this.parseMaybeAssign(e);if(this.match(o.comma)){const
i=this.startNodeAt(t,r);for(i.expressions=[n];this.eat(o.comma);)i.expressions.push(this.parseMaybeAssign(e));retur
n this.toReferencedList(i.expressions),this.finishNode(i,"SequenceExpression")}return

```

```

n }parseMaybeAssignDisallowIn(e,t,r){ return
this.disallowInAnd(=>this.parseMaybeAssign(e,t,r)) }parseMaybeAssignAllowIn(e,t,r){ return
this.allowInAnd(=>this.parseMaybeAssign(e,t,r)) }parseMaybeAssign(e,t,r){ const
n=this.state.start,i=this.state.startLoc;if(this.isContextual("yield")&&this.prodParam.hasYield){ this.state.exprAllowed=!0;let e=this.parseYield();return t&&(e=t.call(this,e,n,i),e) let s;e?s=!1:(e=new
Se,s=!0),(this.match(o.parenL)||this.match(o.name))&&(this.state.potentialArrowAt=this.state.start);let
a=this.parseMaybeConditional(e,r);if(t&&(a=t.call(this,a,n,i)),this.state.type.isAssign){ const
t=this.startNodeAt(n,i),r=this.state.value;return
t.operator=r,this.match(o.eq)?(t.left=this.toAssignable(a),e.doubleProto=-
1):t.left=a,e.shorthandAssign>=t.left.start&&(e.shorthandAssign=-1),this.checkLVal(a,void 0,void 0,"assignment
expression"),this.next(),t.right=this.parseMaybeAssign(),this.finishNode(t,"AssignmentExpression")}return
s&&this.checkExpressionErrors(e,!0),a }parseMaybeConditional(e,t){ const
r=this.state.start,n=this.state.startLoc,i=this.state.potentialArrowAt,s=this.parseExprOps(e);return
this.shouldExitDescending(s,i)?s:this.parseConditional(s,r,n,t) }parseConditional(e,t,r,n){ if(this.eat(o.question)) { con
st n=this.startNodeAt(t,r);return
n.test=e,n.consequent=this.parseMaybeAssignAllowIn(),this.expect(o.colon),n.alternate=this.parseMaybeAssign(),t
his.finishNode(n,"ConditionalExpression")}return e }parseExprOps(e){ const
t=this.state.start,r=this.state.startLoc,n=this.state.potentialArrowAt,i=this.parseMaybeUnary(e);return
this.shouldExitDescending(i,n)?i:this.parseExprOp(i,t,r,-1) }parseExprOp(e,t,r,n){ let
i=this.state.type.binop;if(null!=i&&(this.prodParam.hasIn||!this.match(o._in))&&i>n){ const
s=this.state.type;if(s===o.pipeline){ if(this.expectPlugin("pipelineOperator"),this.state.inFSharpPipelineDirectBody)
return e;this.state.inPipeline=!0,this.checkPipelineAtInfixOperator(e,t) }const
a=this.startNodeAt(t,r);a.left=e,a.operator=this.state.value,s!==(o.exponent||"UnaryExpression"!==e.type||!this.option
s.createParenthesizedExpressions&&e.extra&&e.extra.parenthesized||this.raise(e.argument.start,y.UnexpectedToken
UnaryExponentiation));const
l=s===o.logicalOR||s===o.logicalAND,c=s===o.nullishCoalescing;if(c&&(i=o.logicalAND.binop),this.next(),s===
o.pipeline&&"minimal"===this.getPluginOption("pipelineOperator","proposal")&&this.match(o.name)&&"await"
===this.state.value&&this.prodParam.hasAwait)throw
this.raise(this.state.start,y.UnexpectedAwaitAfterPipelineBody);a.right=this.parseExprOpRightExpr(s,i),this.finishN
ode(a,l|c?"LogicalExpression":"BinaryExpression");const
p=this.state.type;if(c&&(p===o.logicalOR||p===o.logicalAND)||l&&p===o.nullishCoalescing)throw
this.raise(this.state.start,y.MixingCoalesceWithLogical);return this.parseExprOp(a,t,r,n) }return
e }parseExprOpRightExpr(e,t){ const r=this.state.start,n=this.state.startLoc;switch(e){ case
o.pipeline:switch(this.getPluginOption("pipelineOperator","proposal")){ case"smart":return
this.withTopicPermittingContext(=>this.parseSmartPipelineBody(this.parseExprOpBaseRightExpr(e,t),r,n));case"f
sharp":return this.withSoloAwaitPermittingContext(=>this.parseFSharpPipelineBody(t)) }default:return
this.parseExprOpBaseRightExpr(e,t) } }parseExprOpBaseRightExpr(e,t){ const
r=this.state.start,n=this.state.startLoc;return this.parseExprOp(this.parseMaybeUnary(),r,n,e.rightAssociative?t-
1:t) }parseMaybeUnary(e){ if(this.isContextual("await")&&this.isAwaitAllowed())return this.parseAwait();const
t=this.match(o.incDec),r=this.startNode();if(this.state.type.prefix){ r.operator=this.state.value,r.prefix=!0,this.match(
o._throw)&&this.expectPlugin("throwExpressions");const
n=this.match(o._delete);if(this.next(),r.argument=this.parseMaybeUnary(),this.checkExpressionErrors(e,!0),this.stat
e.strict&&n){ const
e=r.argument;"Identifier"===e.type?this.raise(r.start,y.StrictDelete):"MemberExpression"!==e.type&&"OptionalMe
mberExpression"!==e.type||"PrivateName"!==e.property.type||this.raise(r.start,y.DeletePrivateField)}if(!t)return
this.finishNode(r,"UnaryExpression")}return this.parseUpdate(r,t,e) }parseUpdate(e,t,r){ if(t)return
this.checkLVal(e.argument,void 0,void 0,"prefix operation"),this.finishNode(e,"UpdateExpression");const
n=this.state.start,i=this.state.startLoc;let s=this.parseExprSubscripts(r);if(this.checkExpressionErrors(r,1))return

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```

s;for(;this.state.type.postfix&&!this.canInsertSemicolon();){const
e=this.startNodeAt(n,i);e.operator=this.state.value,e.prefix=!1,e.argument=s,this.checkLVal(s,void 0,void 0,"postfix
operation"),this.next(),s=this.finishNode(e,"UpdateExpression")}return s}parseExprSubscripts(e){const
t=this.state.start,r=this.state.startLoc,n=this.state.potentialArrowAt,i=this.parseExprAtom(e);return
this.shouldExitDescending(i,n)?i:this.parseSubscripts(i,t,r)}parseSubscripts(e,t,r,n){const
i={optionalChainMember:!1,maybeAsyncArrow:this.atPossibleAsyncArrow(e),stop:!1};do{e=this.parseSubscript(e,
t,r,n,i),i.maybeAsyncArrow=!1}while(!i.stop);return
e}parseSubscript(e,t,r,n,i){if(!n&&this.eat(o.doubleColon))return
this.parseBind(e,t,r,n,i);if(this.match(o.backQuote))return this.parseTaggedTemplateExpression(e,t,r,i);let
s=!1;if(this.match(o.questionDot)){if(i.optionalChainMember=s=!0,n&&40===this.lookaheadCharCode())return
i.stop=!0,e,this.next()}return!n&&this.match(o.parenL)?this.parseCoverCallAndAsyncArrowHead(e,t,r,i,s):s||this.m
atch(o.bracketL)||this.eat(o.dot)?this.parseMember(e,t,r,i,s):(i.stop=!0,e)}parseMember(e,t,r,n,i){const
s=this.startNodeAt(t,r),a=this.eat(o.bracketL);s.object=e,s.computed=a;const
l=a?this.parseExpression():this.parseMaybePrivateName(!0);return"PrivateName"===l.type&&("Super"===s.object
.type&&this.raise(t,y.SuperPrivateField),this.classScope.usePrivateName(l.id.name,l.start)),s.property=l,a&&this.ex
pect(o.bracketR),n.optionalChainMember?(s.optional=i,this.finishNode(s,"OptionalMemberExpression")):this.finish
Node(s,"MemberExpression")}parseBind(e,t,r,n,i){const s=this.startNodeAt(t,r);return
s.object=e,s.callee=this.parseNoCallExpr(),i.stop=!0,this.parseSubscripts(this.finishNode(s,"BindExpression"),t,r,n)
}parseCoverCallAndAsyncArrowHead(e,t,r,n,i){const
s=this.state.maybeInArrowParameters;this.state.maybeInArrowParameters=!0,this.next();let
a=this.startNodeAt(t,r);return a.callee=e,n.maybeAsyncArrow&&this.expressionScope.enter(new
ve(2)),n.optionalChainMember&&(a.optional=i),a.arguments=i?this.parseCallExpressionArguments(o.parenR,!1):th
is.parseCallExpressionArguments(o.parenR,n.maybeAsyncArrow,"Import"===e.type,"Super"!==e.type,a),this.finis
hCallExpression(a,n.optionalChainMember),n.maybeAsyncArrow&&this.shouldParseAsyncArrow()&&!i?(n.stop=!
0,this.expressionScope.validateAsPattern(),this.expressionScope.exit(),a=this.parseAsyncArrowFromCallExpression
(this.startNodeAt(t,r),a):(n.maybeAsyncArrow&&this.expressionScope.exit(),this.toReferencedArguments(a)),this.
state.maybeInArrowParameters=s,a}toReferencedArguments(e,t){this.toReferencedListDeep(e.arguments,t)}parseT
aggedTemplateExpression(e,t,r,n){const i=this.startNodeAt(t,r);return
i.tag=e,i.quasi=this.parseTemplate(!0),n.optionalChainMember&&this.raise(t,y.OptionalChainingNoTemplate),this.
finishNode(i,"TaggedTemplateExpression")}atPossibleAsyncArrow(e){return"Identifier"===e.type&&"async"===e
.name&&this.state.lastTokEnd===e.end&&!this.canInsertSemicolon()&&e.end-
e.start===5&&e.start===this.state.potentialArrowAt}finishCallExpression(e,t){if("Import"===e.callee.type)if(2===e
.arguments.length&&(this.hasPlugin("moduleAttributes")||this.expectPlugin("importAssertions")),0===e.arguments.
length||e.arguments.length>2)this.raise(e.start,y.ImportCallArity,this.hasPlugin("importAssertions")||this.hasPlugin("
moduleAttributes"))?"one or two arguments":"one argument";else for(let t=0,r=e.arguments;t<r.length;t++){const
e=r[t];"SpreadElement"===e.type&&this.raise(e.start,y.ImportCallSpreadArgument)}return
this.finishNode(e,t?"OptionalCallExpression":"CallExpression")}parseCallExpressionArguments(e,t,r,n,i){const
s=[];let a,l=!0;const
c=this.state.inFSharpPipelineDirectBody;for(this.state.inFSharpPipelineDirectBody=!1;!this.eat(e);){if(l)l=!1;else
if(this.expect(o.comma),this.match(e)){!r||this.hasPlugin("importAssertions")||this.hasPlugin("moduleAttributes")||th
is.raise(this.state.lastTokStart,y.ImportCallArgumentTrailingComma),i&&this.addExtra(i,"trailingComma",this.stat
e.lastTokStart),this.next();break}this.match(o.parenL)&&!a&&(a=this.state.start),s.push(this.parseExprListItem(!1,t
?new Se:void 0,t:{start:0}:void 0,n))}return
t&&a&&this.shouldParseAsyncArrow()&&this.unexpected(),this.state.inFSharpPipelineDirectBody=c,s}shouldPar
seAsyncArrow(){return
this.match(o.arrow)&&!this.canInsertSemicolon()}parseAsyncArrowFromCallExpression(e,t){var r;return
this.expect(o.arrow),this.parseArrowExpression(e,t.arguments,!0,null==(r=t.extra)?void
0:r.trailingComma),e}parseNoCallExpr(){const e=this.state.start,t=this.state.startLoc;return

```



```

this.parseSubscripts(this.parseExprAtom(),e,t,!0)}parseExprAtom(e){this.state.type===o.slash&&this.readRegexp()
;const t=this.state.potentialArrowAt===this.state.start;let r;switch(this.state.type){case o._super:return
this.parseSuper();case o._import:return
r=this.startNode(),this.next(),this.match(o.dot)?this.parseImportMetaProperty(r):(this.match(o.parenL)||this.raise(this
.state.lastTokStart,y.UnsupportedImport),this.finishNode(r,"Import"));case o._this:return
r=this.startNode(),this.next(),this.finishNode(r,"ThisExpression");case o.name:{const
e=this.state.containsEsc,r=this.parseIdentifier();if(!e&&"async"===r.name&&!this.canInsertSemicolon()){if(this.m
atch(o._function)){const e=this.state.context.length-1;if(this.state.context[e]!==g.functionStatement)throw new
Error("Internal error");return
this.state.context[e]=g.functionExpression,this.next(),this.parseFunction(this.startNodeAtNode(r),void
0,!0)}if(this.match(o.name))return this.parseAsyncArrowUnaryFunction(r)}return
t&&this.match(o.arrow)&&!this.canInsertSemicolon()?(this.next(),this.parseArrowExpression(this.startNodeAtNod
e(r),[r,!1]):r}case o._do:return this.parseDo();case o.regexp:{const e=this.state.value;return
r=this.parseLiteral(e.value,"RegExpLiteral"),r.pattern=e.pattern,r.flags=e.flags,r}case o.num:return
this.parseLiteral(this.state.value,"NumericLiteral");case o.bigint:return
this.parseLiteral(this.state.value,"BigIntLiteral");case o.decimal:return
this.parseLiteral(this.state.value,"DecimalLiteral");case o.string:return
this.parseLiteral(this.state.value,"StringLiteral");case o._null:return
r=this.startNode(),this.next(),this.finishNode(r,"NullLiteral");case o._true:case o._false:return
this.parseBooleanLiteral();case o.parenL:return this.parseParenAndDistinguishExpression(t);case
o.bracketBarL:case o.bracketHashL:return
this.parseArrayLike(this.state.type===o.bracketBarL?o.bracketBarR:!1,!0,e);case o.bracketL:return
this.parseArrayLike(o.bracketR,!0,!1,e);case o.braceBarL:case o.braceHashL:return
this.parseObjectLike(this.state.type===o.braceBarL?o.braceBarR:o.braceR,!1,!0,e);case o.braceL:return
this.parseObjectLike(o.braceR,!1,!1,e);case o._function:return this.parseFunctionOrFunctionSent();case
o.at:this.parseDecorators();case o._class:return r=this.startNode(),this.takeDecorators(r),this.parseClass(r,!1);case
o._new:return this.parseNewOrNewTarget();case o.backQuote:return this.parseTemplate(!1);case
o.doubleColon:{r=this.startNode(),this.next(),r.object=null;const
e=r.callee=this.parseNoCallExpr();if("MemberExpression"===e.type)return
this.finishNode(r,"BindExpression");throw this.raise(e.start,y.UnsupportedBind)}case
o.hash:{if(this.state.inPipeline)return
r=this.startNode(),"smart"!==this.getPluginOption("pipelineOperator","proposal")&&this.raise(r.start,y.PrimaryTop
icRequiresSmartPipeline),this.next(),this.primaryTopicReferenceIsAllowedInCurrentTopicContext()||this.raise(r.star
t,y.PrimaryTopicNotAllowed),this.registerTopicReference(),this.finishNode(r,"PipelinePrimaryTopicReference");co
nst e=this.input.codePointAt(this.state.end);if(O(e)||92===e){const
e=this.state.start;if(r=this.parseMaybePrivateName(!0),this.match(o._in))this.expectPlugin("privateIn"),this.classSco
pe.usePrivateName(r.id.name,r.start);else{if(!this.hasPlugin("privateIn"))throw
this.unexpected(e);this.raise(this.state.start,y.PrivateInExpectedIn,r.id.name)}return r}}case
o.relational:if("<"===this.state.value){const
e=this.input.codePointAt(this.nextTokenStart());(O(e)||62===e)&&this.expectOnePlugin(["jsx","flow","typescript"]
)}default:throw this.unexpected()}parseAsyncArrowUnaryFunction(e){const
t=this.startNodeAtNode(e);this.prodParam.enter(ne(!0,this.prodParam.hasYield));const
r=[this.parseIdentifier()];return
this.prodParam.exit(),this.hasPrecedingLineBreak()&&this.raise(this.state.pos,y.LineTerminatorBeforeArrow),this.e
xpect(o.arrow),this.parseArrowExpression(t,r,!0,t)}parseDo(){this.expectPlugin("doExpressions");const
e=this.startNode();this.next();const t=this.state.labels;return
this.state.labels=[],e.body=this.parseBlock(),this.state.labels=t,this.finishNode(e,"DoExpression")}parseSuper(){con
st e=this.startNode();return

```

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this.next(),!this.match(o.parenL)||this.scope.allowDirectSuper||this.options.allowSuperOutsideMethod?this.scope.all
owSuper||this.options.allowSuperOutsideMethod||this.raise(e.start,y.UnexpectedSuper):this.raise(e.start,y.SuperNot
Allowed),this.match(o.parenL)||this.match(o.bracketL)||this.match(o.dot)||this.raise(e.start,y.UnsupportedSuper),this
finishNode(e,"Super")}parseBooleanLiteral(){const e=this.startNode();return
e.value=this.match(o._true),this.next(),this.finishNode(e,"BooleanLiteral")}parseMaybePrivateName(e){if(this.matc
h(o.hash)){this.expectOnePlugin(["classPrivateProperties","classPrivateMethods"],e)||this.raise(this.state.pos,y.Unex
pectedPrivateField);const t=this.startNode();return this.next(),this.assertNoSpace("Unexpected space between #
and identifier"),t.id=this.parseIdentifier(!0),this.finishNode(t,"PrivateName")}return
this.parseIdentifier(!0)}parseFunctionOrFunctionSent(){const
e=this.startNode();if(this.next(),this.prodParam.hasYield&&this.match(o.dot)){const
t=this.createIdentifier(this.startNodeAtNode(e),"function");return
this.next(),this.parseMetaProperty(e,t,"sent")}return
this.parseFunction(e)}parseMetaProperty(e,t,r){e.meta=t,"function"===t.name&&"sent"===r&&(this.isContextual(
r)?this.expectPlugin("functionSent"):this.hasPlugin("functionSent"))||this.unexpected();const
n=this.state.containsEsc;return
e.property=this.parseIdentifier(!0),(e.property.name!==r||n)&&this.raise(e.property.start,y.UnsupportedMetaPropert
y,t.name,r),this.finishNode(e,"MetaProperty")}parseImportMetaProperty(e){const
t=this.createIdentifier(this.startNodeAtNode(e),"import");return
this.next(),this.isContextual("meta")&&(this.inModule||this.raiseWithData(t.start,{code:"BABEL_PARSER_SOUR
CETYPE_MODULE_REQUIRED"},y.ImportMetaOutsideModule),this.sawUnambiguousESM=!0),this.parseMeta
Property(e,t,"meta")}parseLiteral(e,t,r,n){r=r||this.state.start,n=n||this.state.startLoc;const
i=this.startNodeAt(r,n);return
this.addExtra(i,"rawValue",e),this.addExtra(i,"raw",this.input.slice(r,this.state.end)),i.value=e,this.next(),this.finishN
ode(i,t)}parseParenAndDistinguishExpression(e){const t=this.state.start,r=this.state.startLoc;let
n;this.next(),this.expressionScope.enter(new ve(1));const
i=this.state.maybeInArrowParameters,s=this.state.inFSharpPipelineDirectBody;this.state.maybeInArrowParameters
=!0,this.state.inFSharpPipelineDirectBody=!1;const a=this.state.start,l=this.state.startLoc,c=[],p=new
Se,u={start:0};let d,h,f=!0;for(;!this.match(o.parenR);){if(f)f=!1;else
if(this.expect(o.comma,u.start||null),this.match(o.parenR)){h=this.state.start;break}if(this.match(o.ellipsis)){const
e=this.state.start,t=this.state.startLoc;d=this.state.start,c.push(this.parseParenItem(this.parseRestBinding(),e,t)),this.c
heckCommaAfterRest(41);break}c.push(this.parseMaybeAssignAllowIn(p,this.parseParenItem,u))}const
m=this.state.lastTokEnd,y=this.state.lastTokEndLoc;this.expect(o.parenR),this.state.maybeInArrowParameters=i,thi
s.state.inFSharpPipelineDirectBody=s;let
T=this.startNodeAt(t,r);if(e&&this.shouldParseArrow())&&(T=this.parseArrow(T)){this.expressionScope.validateA
sPattern(),this.expressionScope.exit();for(let e=0;e<c.length;e++){const
t=c[e];t.extra&&t.extra.parenthesized&&this.unexpected(t.extra.parenStart)}return
this.parseArrowExpression(T,c,!1),T}if(this.expressionScope.exit(),c.length||this.unexpected(this.state.lastTokStart),
h&&this.unexpected(h),d&&this.unexpected(d),this.checkExpressionErrors(p,!0),u.start&&this.unexpected(u.start),
this.toReferencedListDeep(c,!0),c.length>1?(n=this.startNodeAt(a,l),n.expressions=c,this.finishNodeAt(n,"Sequenc
eExpression",m,y)):n=c[0],!this.options.createParenthesizedExpressions)return
this.addExtra(n,"parenthesized",!0),this.addExtra(n,"parenStart",t),n;const b=this.startNodeAt(t,r);return
b.expression=n,this.finishNode(b,"ParenthesizedExpression"),b}shouldParseArrow(){return!this.canInsertSemicolo
n()}parseArrow(e){if(this.eat(o.arrow))return e}parseParenItem(e,t,r){return e}parseNewOrNewTarget(){const
e=this.startNode();if(this.next(),this.match(o.dot)){const
t=this.createIdentifier(this.startNodeAtNode(e),"new");this.next();const
r=this.parseMetaProperty(e,t,"target");if(!this.scope.inNonArrowFunction&&!this.scope.inClass){let
e=y.UnexpectedNewTarget;this.hasPlugin("classProperties")&&(e+=" or class
properties"),this.raise(r.start,e)}return r}return this.parseNew(e)}parseNew(e){return

```

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e.callee=this.parseNoCallExpr(),"Import"===e.callee.type?this.raise(e.callee.start,y.ImportCallNotNewExpression):
"OptionalMemberExpression"===e.callee.type||"OptionalCallExpression"===e.callee.type?this.raise(this.state.lastTok
okEnd,y.OptionalChainingNoNew):this.eat(o.questionDot)&&this.raise(this.state.start,y.OptionalChainingNoNew),t
his.parseNewArguments(e),this.finishNode(e,"NewExpression")}parseNewArguments(e){if(this.eat(o.parenL)){con
st t=this.parseExprList(o.parenR);this.toReferencedList(t),e.arguments=t}else
e.arguments=[]}parseTemplateElement(e){const t=this.startNode();return
null===this.state.value&&(e||this.raise(this.state.start+1,y.InvalidEscapeSequenceTemplate)),t.value={raw:this.inpu
t.slice(this.state.start,this.state.end).replace(/r\n?/g,"\\n"),cooked:this.state.value},this.next(),t.tail=this.match(o.back
Quote),this.finishNode(t,"TemplateElement")}parseTemplate(e){const
t=this.startNode();this.next(),t.expressions=[];let
r=this.parseTemplateElement(e);for(t.quasis=[r];!r.tail;)this.expect(o.dollarBraceL),t.expressions.push(this.parseTe
mplateSubstitution()),this.expect(o.braceR),t.quasis.push(r=this.parseTemplateElement(e));return
this.next(),this.finishNode(t,"TemplateLiteral")}parseTemplateSubstitution(){return
this.parseExpression()}parseObjectLike(e,t,r,n){r&&this.expectPlugin("recordAndTuple");const
i=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!1;const s=Object.create(null);let
a=!0;const l=this.startNode();for(l.properties=[],this.next();!this.match(e);){if(a)a=!1;else
if(this.expect(o.comma),this.match(e)){this.addExtra(l,"trailingComma",this.state.lastTokStart);break}const
i=this.parsePropertyDefinition(t,n);t||this.checkProto(i,r,s,n),r&&"ObjectProperty"!==i.type&&"SpreadElement"!==
i.type&&this.raise(i.start,y.InvalidRecordProperty),i.shorthand&&this.addExtra(i,"shorthand",!0),l.properties.push(i
)}this.state.exprAllowed=!1,this.next(),this.state.inFSharpPipelineDirectBody=i;let c="ObjectExpression";return
t?"ObjectPattern":r&&(c="RecordExpression"),this.finishNode(l,c)}maybeAsyncOrAccessorProp(e){return!e.co
mputed&&"Identifier"===e.key.type&&(this.isLiteralPropertyName())||this.match(o.bracketL)||this.match(o.star))}p
arsePropertyDefinition(e,t){let
r=[];if(this.match(o.at))for(this.hasPlugin("decorators")&&this.raise(this.state.start,y.UnsupportedPropertyDecorator
);this.match(o.at);)r.push(this.parseDecorator());const n=this.startNode();let
i,s,a=!1,l=!1,c=!1;if(this.match(o.ellipsis))return
r.length&&this.unexpected(),e?(this.next(),n.argument=this.parseIdentifier(),this.checkCommaAfterRest(125),this.fi
nishNode(n,"RestElement")):this.parseSpread();r.length&&(n.decorators=r,r=[]),n.method=!1,(e||t)&&(i=this.state.s
tart,s=this.state.startLoc),e||a=this.eat(o.star);const
p=this.state.containsEsc,u=this.parsePropertyName(n,!1);if(!e&&!a&&!p&&this.maybeAsyncOrAccessorProp(n)){
const
e=u.name;"async"!==e||this.hasPrecedingLineBreak()||(l=!0,a=this.eat(o.star),this.parsePropertyName(n,!1)),
"get"!==e&&"set"!==e||c=!0,n.kind=e,this.match(o.star)&&(a=!0,this.raise(this.state.pos,y.AccessorIsGenerator,e),this.ne
xt()),this.parsePropertyName(n,!1))}return
this.parseObjPropValue(n,i,s,a,l,e,c,t),n}getGetterSetterExpectedParamCount(e){return"get"===e.kind?0:1}getObjec
tOrClassMethodParams(e){return e.params}checkGetterSetterParams(e){var t;const
r=this.getGetterSetterExpectedParamCount(e),n=this.getObjectOrClassMethodParams(e),i=e.start;n.length!==r&&(
"get"===e.kind?this.raise(i,y.BadGetterArity):this.raise(i,y.BadSetterArity)),
"set"===e.kind&&"RestElement"===e
null==(t=n[n.length-1])?void
0:t.type}&&this.raise(i,y.BadSetterRestParameter)}parseObjectMethod(e,t,r,n,i){return
i?(this.parseMethod(e,t,!1,!1,!1,"ObjectMethod"),this.checkGetterSetterParams(e),e:r||t||this.match(o.parenL)?(n&&
this.unexpected(),e.kind="method",e.method=!0,this.parseMethod(e,t,r,!1,!1,"ObjectMethod")):void
0)}parseObjectProperty(e,t,r,n,i){return
e.shorthand=!1,this.eat(o.colon)?(e.value=n?this.parseMaybeDefault(this.state.start,this.state.startLoc):this.parseMa
ybeAssignAllowIn(i),this.finishNode(e,"ObjectProperty")):e.computed||"Identifier"===e.key.type?void
0:(this.checkReservedWord(e.key.name,e.key.start,!0,!1),n?e.value=this.parseMaybeDefault(t,r,e.key.__clone()):thi
s.match(o.eq)&&i?(-
1===i.shorthandAssign&&(i.shorthandAssign=this.state.start),e.value=this.parseMaybeDefault(t,r,e.key.__clone()))

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:e.value=e.key.__clone(),e.shorthand=!0,this.finishNode(e,"ObjectProperty"))}parseObjPropValue(e,t,r,n,i,s,a,o){const l=this.parseObjectMethod(e,n,i,s,a)||this.parseObjectProperty(e,t,r,s,o);return l||this.unexpected(),l}parsePropertyName(e,t){if(this.eat(o.bracketL))e.computed=!0,e.key=this.parseMaybeAssignAllowIn(),this.expect(o.bracketR);else{const r=this.state.inPropertyName;this.state.inPropertyName=!0,e.key=this.match(o.num)||this.match(o.string)||this.match(o.bigint)||this.match(o.decimal)?this.parseExprAtom():this.parseMaybePrivateName(t),"PrivateName"!==e.key.type&&(e.computed=!1),this.state.inPropertyName=r}return e.key}initFunction(e,t){e.id=null,e.generator=!1,e.async=!1}parseMethod(e,t,r,n,i,s,a=!1){this.initFunction(e,r),e.generator=!1;const o=n;return this.scope.enter(18|(a?64:0)|(i?32:0)),this.prodParam.enter(ne(r,e.generator)),this.parseFunctionParams(e,o),this.parseFunctionBodyAndFinish(e,s,!0),this.prodParam.exit(),this.scope.exit(),e}parseArrayLike(e,t,r,n){r&&this.expectPlugin("recordAndTuple");const i=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!1;const s=this.startNode();return this.next(),s.elements=this.parseExprList(e,l,r,n,s),this.state.inFSharpPipelineDirectBody=i,this.finishNode(s,r?"TupleExpression":"ArrayExpression")}parseArrowExpression(e,t,r,n){this.scope.enter(6);let i=ne(r,!1);!this.match(o.bracketL)&&this.prodParam.hasIn&&(i|=8),this.prodParam.enter(i),this.initFunction(e,r);const s=this.state.maybeInArrowParameters;return t&&(this.state.maybeInArrowParameters=!0,this.setArrowFunctionParameters(e,t,n)),this.state.maybeInArrowParameters=!1,this.parseFunctionBody(e,!0),this.prodParam.exit(),this.scope.exit(),this.state.maybeInArrowParameters=s,this.finishNode(e,"ArrowFunctionExpression")}setArrowFunctionParameters(e,t,r){e.params=this.toAssignableList(t,r)}parseFunctionBodyAndFinish(e,t,r=!1){this.parseFunctionBody(e,!1,r),this.finishNode(e,t)}parseFunctionBody(e,t,r=!1){const n=t&&!this.match(o.braceL);if(this.expressionScope.enter(we()),n)e.body=this.parseMaybeAssign(),this.checkParams(e,!1,t,!1);else{const n=this.state.strict,i=this.state.labels;this.state.labels=[],this.prodParam.enter(4|this.prodParam.currentFlags()),e.body=this.parseBlock(!0,!1,i=>{const s=!this.isSimpleParamList(e.params);if(i&&s){const t="method"!==e.kind&&"constructor"!==e.kind||e.key?e.start:e.key.end;this.raise(t,y.IllegalLanguageModeDirective)}const a=!n&&this.state.strict;this.checkParams(e,!this.state.strict||t|r|s),t,a),this.state.strict&&e.id&&this.checkLVal(e.id,65,void 0,"function name",void 0,a)},this.prodParam.exit(),this.expressionScope.exit(),this.state.labels=i)}isSimpleParamList(e){for(let t=0,r=e.length;t<r;t++)if("Identifier"!==e[t].type)return!1;return!0}checkParams(e,t,r,n=!0){const i=Object.create(null);for(let r=0;r<e.params.length;r++)this.checkLVal(e.params[r],5,t?null:i,"function parameter list",void 0,n)}parseExprList(e,t,r,n){const i=[];let s=!0;for(;!this.eat(e);){if(s)s=!1;else if(this.expect(o.comma),this.match(e)){n&&this.addExtra(n,"trailingComma",this.state.lastTokStart),this.next();break}i.push(this.parseExprListItem(t,r))}return i}parseExprListItem(e,t,r,n){let i;if(this.match(o.comma))e||this.raise(this.state.pos,y.UnexpectedToken,","),i=null;else if(this.match(o.ellipsis)){const e=this.state.start,n=this.state.startLoc;i=this.parseParenItem(this.parseSpread(t,r),e,n)}else if(this.match(o.question)){this.expectPlugin("partialApplication"),n||this.raise(this.state.start,y.UnexpectedArgumentPlaceholder);const e=this.startNode();this.next(),i=this.finishNode(e,"ArgumentPlaceholder")}else i=this.parseMaybeAssignAllowIn(t,this.parseParenItem,r);return i}parseIdentifier(e){const t=this.startNode(),r=this.parseIdentifierName(t.start,e);return this.createIdentifier(t,r)}createIdentifier(e,t){return e.name=t,e.loc.identifierName=t,this.finishNode(e,"Identifier")}parseIdentifierName(e,t){let r;const{start:n,type:i}=this.state;if(i===o.name)r=this.state.value;else{if(!i.keyword)throw this.unexpected();r=i.keyword;const e=this.curContext();i!==o._class&&i!==o._function||e!==g.functionStatement&&e!==g.functionExpression||this.state.context.pop()}}return

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t?this.state.type=o.name:this.checkReservedWord(r,n,!i.keyword,!1),this.next(),r}checkReservedWord(e,t,r,n){if(th
is.prodParam.hasYield&&"yield"===e)return void
this.raise(t,y.YieldBindingIdentifier);if("await"===e){if(this.prodParam.hasAwait)return void
this.raise(t,y.AwaitBindingIdentifier);this.expressionScope.recordAsyncArrowParametersError(t,y.AwaitBindingIde
ntifier)}if(this.scope.inClass&&!this.scope.inNonArrowFunction&&"arguments"===e)return void
this.raise(t,y.ArgumentsInClass);if(r&&R(e))return void
this.raise(t,y.UnexpectedKeyword,e);(this.state.strict?n?F:M:L)(e,this.inModule)&&(this.prodParam.hasAwait|"aw
ait"!==e?this.raise(t,y.UnexpectedReservedWord,e):this.raise(t,this.hasPlugin("topLevelAwait")?y.AwaitNotInAsyn
cContext:y.AwaitNotInAsyncFunction))}isAwaitAllowed(){return
this.scope.inFunction?this.prodParam.hasAwait:!this.options.allowAwaitOutsideFunction||!this.hasPlugin("topLev
elAwait")&&(this.inModule&&this.prodParam.hasAwait)}parseAwait(){const e=this.startNode();return
this.next(),this.expressionScope.recordParameterInitializerError(e.start,y.AwaitExpressionFormalParameter),this.eat
(o.star)&&this.raise(e.start,y.ObsoleteAwaitStar),this.scope.inFunction||this.options.allowAwaitOutsideFunction||(th
is.hasPrecedingLineBreak()||this.match(o.plusMin)||this.match(o.parenL)||this.match(o.bracketL)||this.match(o.back
Quote)||this.match(o.regexp)||this.match(o.slash)||this.hasPlugin("v8intrinsic")&&this.match(o.modulo)?this.ambigu
ousScriptDifferentAst=!0:this.sawUnambiguousESM=!0),this.state.soloAwait||(e.argument=this.parseMaybeUnary(
)),this.finishNode(e,"AwaitExpression")}parseYield(){const e=this.startNode();return
this.expressionScope.recordParameterInitializerError(e.start,y.YieldInParameter),this.next(),this.match(o.semi)||!this
.match(o.star)&&!this.state.type.startsExpr||this.hasPrecedingLineBreak()?e.delegate=!1,e.argument=null):(e.deleg
ate=this.eat(o.star),e.argument=this.parseMaybeAssign(),this.finishNode(e,"YieldExpression")}checkPipelineAtInf
ixOperator(e,t){"smart"===this.getPluginOption("pipelineOperator","proposal")&&"SequenceExpression"===e.type
&&this.raise(t,y.PipelineHeadSequenceExpression)}parseSmartPipelineBody(e,t,r){return
this.checkSmartPipelineBodyEarlyErrors(e,t),this.parseSmartPipelineBodyInStyle(e,t,r)}checkSmartPipelineBodyE
arlyErrors(e,t){if(this.match(o.arrow))throw
this.raise(this.state.start,y.PipelineBodyNoArrow);"SequenceExpression"===e.type&&this.raise(t,y.PipelineBodySe
quenceExpression)}parseSmartPipelineBodyInStyle(e,t,r){const
n=this.startNodeAt(t,r),i=this.isSimpleReference(e);return
i?n.callee=e:(this.topicReferenceWasUsedInCurrentTopicContext())||this.raise(t,y.PipelineTopicUnused),n.expressio
n=e,this.finishNode(n,i?"PipelineBareFunction":"PipelineTopicExpression")}isSimpleReference(e){switch(e.type)
{case"MemberExpression":return!e.computed&&this.isSimpleReference(e.object);case"Identifier":return!0;default:r
eturn!1}}withTopicPermittingContext(e){const
t=this.state.topicContext;this.state.topicContext={maxNumOfResolvableTopics:1,maxTopicIndex:null};try{return
e()}finally{this.state.topicContext=t}}withTopicForbiddingContext(e){const
t=this.state.topicContext;this.state.topicContext={maxNumOfResolvableTopics:0,maxTopicIndex:null};try{return
e()}finally{this.state.topicContext=t}}withSoloAwaitPermittingContext(e){const
t=this.state.soloAwait;this.state.soloAwait=!0;try{return e()}finally{this.state.soloAwait=t}}allowInAnd(e){const
t=this.prodParam.currentFlags();if(8&~t){this.prodParam.enter(8|t);try{return
e()}finally{this.prodParam.exit()}}return e()}disallowInAnd(e){const
t=this.prodParam.currentFlags();if(8&t){this.prodParam.enter(-9&t);try{return
e()}finally{this.prodParam.exit()}}return
e()}registerTopicReference(){this.state.topicContext.maxTopicIndex=0}primaryTopicReferenceIsAllowedInCurrent
TopicContext(){return
this.state.topicContext.maxNumOfResolvableTopics>=1}topicReferenceWasUsedInCurrentTopicContext(){return
null!==this.state.topicContext.maxTopicIndex&&this.state.topicContext.maxTopicIndex>=0}parseFSharpPipelineBo
dy(e){const t=this.state.start,r=this.state.startLoc;this.state.potentialArrowAt=this.state.start;const
n=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!0;const
i=this.parseExprOp(this.parseMaybeUnary(),t,r,e);return
this.state.inFSharpPipelineDirectBody=n,i}}{parseTopLevel(e,t){if(t.sourceType=this.options.sourceType,t.interpre

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ter=this.parseInterpreterDirective(),this.parseBlockBody(t,!0,!0,o.eof),this.inModule&&!this.options.allowUndeclar
edExports&&this.scope.undefinedExports.size>0)for(let
e=0,t=Array.from(this.scope.undefinedExports);e<t.length;e++){const[r]=t[e],n=this.scope.undefinedExports.get(r);
this.raise(n,y.ModuleExportUndefined,r)}return
e.program=this.finishNode(t,"Program"),e.comments=this.state.comments,this.options.tokens&&(e.tokens=this.toke
ns),this.finishNode(e,"File")}stmtToDirective(e){const
t=e.expression,r=this.startNodeAt(t.start,t.loc.start),n=this.startNodeAt(e.start,e.loc.start),i=this.input.slice(t.start,t.en
d),s=r.value=i.slice(1,-1);return
this.addExtra(r,"raw",i),this.addExtra(r,"rawValue",s),n.value=this.finishNodeAt(r,"DirectiveLiteral",t.end,t.loc.end)
,this.finishNodeAt(n,"Directive",e.end,e.loc.end)}parseInterpreterDirective(){if(!this.match(o.interpreterDirective))r
eturn null;const e=this.startNode();return
e.value=this.state.value,this.next(),this.finishNode(e,"InterpreterDirective")}isLet(e){if(!this.isContextual("let"))retu
rn!1;const
t=this.nextTokenStart(),r=this.input.charCodeAt(t);if(91===r)return!0;if(e)return!1;if(123===r)return!0;if(O(r)){let
e=t+1;for(;I(this.input.charCodeAt(e));++e;const
r=this.input.slice(t,e);if(!B.test(r))return!0}return!1}parseStatement(e,t){return
this.match(o.at)&&this.parseDecorators(!0),this.parseStatementContent(e,t)}parseStatementContent(e,t){let
r=this.state.type;const n=this.startNode();let i;switch(this.isLet(e)&&(r=o._var,i="let"),r){case o._break:case
o._continue:return this.parseBreakContinueStatement(n,r.keyword);case o._debugger:return
this.parseDebuggerStatement(n);case o._do:return this.parseDoStatement(n);case o._for:return
this.parseForStatement(n);case o._function:if(46===this.lookaheadCharCode())break;return
e&&(this.state.strict?this.raise(this.state.start,y.StrictFunction):"if"!==e&&"label"!==e&&this.raise(this.state.start,y
.SloppyFunction)),this.parseFunctionStatement(n,!1,!e);case o._class:return
e&&this.unexpected(),this.parseClass(n,!0);case o._if:return this.parseIfStatement(n);case o._return:return
this.parseReturnStatement(n);case o._switch:return this.parseSwitchStatement(n);case o._throw:return
this.parseThrowStatement(n);case o._try:return this.parseTryStatement(n);case o._const:case o._var:return
i=i||this.state.value,e&&"var"!==i&&this.raise(this.state.start,y.UnexpectedLexicalDeclaration),this.parseVarStatem
ent(n,i);case o._while:return this.parseWhileStatement(n);case o._with:return this.parseWithStatement(n);case
o.braceL:return this.parseBlock();case o.semi:return this.parseEmptyStatement(n);case o._import:{const
e=this.lookaheadCharCode();if(40===e||46===e)break}case o._export:{let e;return
this.options.allowImportExportEverywhere||t||this.raise(this.state.start,y.UnexpectedImportExport),this.next(),r===o
._import?(e=this.parseImport(n),"ImportDeclaration"!==e.type||e.importKind&&"value"!==e.importKind||(this.saw
UnambiguousESM=!0)):(e=this.parseExport(n),"ExportNamedDeclaration"!==e.type||e.exportKind&&"value"!==e
.exportKind&&("ExportAllDeclaration"!==e.type||e.exportKind&&"value"!==e.exportKind)&&"ExportDefaultDe
claration"!==e.type||(this.sawUnambiguousESM=!0)),this.assertModuleNodeAllowed(n,e)}default:if(this.isAsyncFu
nction())return
e&&this.raise(this.state.start,y.AsyncFunctionInSingleStatementContext),this.next(),this.parseFunctionStatement(n,!
0,!e)}const s=this.state.value,a=this.parseExpression();return
r===o.name&&"Identifier"===a.type&&this.eat(o.colon)?this.parseLabeledStatement(n,s,a,e):this.parseExpression
Statement(n,a)}assertModuleNodeAllowed(e){this.options.allowImportExportEverywhere||this.inModule||this.raise
WithData(e.start,{code:"BABEL_PARSER_SOURCETYPE_MODULE_REQUIRED"},y.ImportOutsideModule)}takeDecorators(e){const t=this.state.decoratorStack[this.state.decoratorStack.length-
1];t.length&&(e.decorators=t,this.resetStartLocationFromNode(e,t[0]),this.state.decoratorStack[this.state.decoratorS
tack.length-1]=[])}canHaveLeadingDecorator(){return this.match(o._class)}parseDecorators(e){const
t=this.state.decoratorStack[this.state.decoratorStack.length-1];for(;this.match(o.at);){const
e=this.parseDecorator();t.push(e)}if(this.match(o._export))e||this.unexpected(),this.hasPlugin("decorators")&&!this.
getPluginOption("decorators","decoratorsBeforeExport")&&this.raise(this.state.start,y.DecoratorExportClass);else
if(!this.canHaveLeadingDecorator())throw

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this.raise(this.state.start,y.UnexpectedLeadingDecorator)}parseDecorator(){this.expectOnePlugin(["decorators-
legacy","decorators"]);const
e=this.startNode();if(this.next(),this.hasPlugin("decorators")){this.state.decoratorStack.push([]);const
t=this.state.start,r=this.state.startLoc;let n;if(this.eat(o.parenL))n=this.parseExpression(),this.expect(o.parenR);else
for(n=this.parseIdentifier(!1);this.eat(o.dot);}const
e=this.startNodeAt(t,r);e.object=n,e.property=this.parseIdentifier(!0),e.computed=!1,n=this.finishNode(e,"MemberE
xpression")}e.expression=this.parseMaybeDecoratorArguments(n),this.state.decoratorStack.pop()}else
e.expression=this.parseExprSubscripts();return
this.finishNode(e,"Decorator")}parseMaybeDecoratorArguments(e){if(this.eat(o.parenL)){const
t=this.startNodeAtNode(e);return
t.callee=e,t.arguments=this.parseCallExpressionArguments(o.parenR,!1),this.toReferencedList(t.arguments),this.fini
shNode(t,"CallExpression")}return e}parseBreakContinueStatement(e,t){const r="break"===t;return
this.next(),this.isLineTerminator()?e.label=null:(e.label=this.parseIdentifier(),this.semicolon(),this.verifyBreakCont
inue(e,t),this.finishNode(e,r?"BreakStatement":"ContinueStatement"))}verifyBreakContinue(e,t){const
r="break"===t;let n;for(n=0;n<this.state.labels.length;++n){const
t=this.state.labels[n];if(null===e.label||t.name===e.label.name){if(null!=t.kind&&(r||"loop"===t.kind))break;if(e.labe
l&&r)break}}n===this.state.labels.length&&this.raise(e.start,y.IllegalBreakContinue,t)}parseDebuggerStatement(e)
{return
this.next(),this.semicolon(),this.finishNode(e,"DebuggerStatement")}parseHeaderExpression(){this.expect(o.parenL
);const e=this.parseExpression();return this.expect(o.parenR),e}parseDoStatement(e){return
this.next(),this.state.labels.push(Oe),e.body=this.withTopicForbiddingContext(()=>this.parseStatement("do")),this.st
ate.labels.pop(),this.expect(o._while),e.test=this.parseHeaderExpression(),this.eat(o.semi),this.finishNode(e,"DoWhi
leStatement")}parseForStatement(e){this.next(),this.state.labels.push(Oe);let t=-
1;if(this.isAwaitAllowed())&&this.eatContextual("await")&&(t=this.state.lastTokStart),this.scope.enter(0),this.expec
t(o.parenL),this.match(o.semi))return t>-1&&this.unexpected(t),this.parseFor(e,null);const
r=this.isLet();if(this.match(o._var)||this.match(o._const)||r){const n=this.startNode(),i=r?"let":this.state.value;return
this.next(),this.parseVar(n,!0,i),this.finishNode(n,"VariableDeclaration"),(this.match(o._in)||this.isContextual("of"))
&&1===n.declarations.length?this.parseForIn(e,n,t):(t>-1&&this.unexpected(t),this.parseFor(e,n))}const n=new
Se,i=this.parseExpression(!0,n);if(this.match(o._in)||this.isContextual("of")){this.toAssignable(i);const
r=this.isContextual("of")?"for-of statement":"for-in statement";return this.checkLVal(i,void 0,void
0,r),this.parseForIn(e,i,t)}return this.checkExpressionErrors(n,!0),t>-
1&&this.unexpected(t),this.parseFor(e,i)}parseFunctionStatement(e,t,r){return
this.next(),this.parseFunction(e,1|(r?0:2),t)}parseIfStatement(e){return
this.next(),e.test=this.parseHeaderExpression(),e.consequent=this.parseStatement("if"),e.alternate=this.eat(o._else)?t
his.parseStatement("if"):null,this.finishNode(e,"IfStatement")}parseReturnStatement(e){return
this.prodParam.hasReturn||this.options.allowReturnOutsideFunction||this.raise(this.state.start,y.IllegalReturn),this.ne
xt(),this.isLineTerminator()?e.argument=null:(e.argument=this.parseExpression(),this.semicolon(),this.finishNode(
e,"ReturnStatement"))}parseSwitchStatement(e){this.next(),e.discriminant=this.parseHeaderExpression();const
t=e.cases=[];let
r,n;for(this.expect(o.braceL),this.state.labels.push(Ie),this.scope.enter(0);!this.match(o.braceR);if(this.match(o._cas
e)||this.match(o._default)){const
e=this.match(o._case);r&&this.finishNode(r,"SwitchCase"),t.push(r=this.startNode()),r.consequent=[],this.next(),e?r
.test=this.parseExpression():(n&&this.raise(this.state.lastTokStart,y.MultipleDefaultsInSwitch),n=!0,r.test=null),this
.expect(o.colon)}else r?r.consequent.push(this.parseStatement(null)):this.unexpected();return
this.scope.exit(),r&&this.finishNode(r,"SwitchCase"),this.next(),this.state.labels.pop(),this.finishNode(e,"SwitchStat
ement")}parseThrowStatement(e){return
this.next(),this.hasPrecedingLineBreak()&&this.raise(this.state.lastTokEnd,y.NewlineAfterThrow),e.argument=this.
parseExpression(),this.semicolon(),this.finishNode(e,"ThrowStatement")}parseCatchClauseParam(){const

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e=this.parseBindingAtom(),t="Identifier"===e.type;return this.scope.enter(t?8:0),this.checkLVal(e,9,null,"catch
clause"),e}parseTryStatement(e){if(this.next(),e.block=this.parseBlock(),e.handler=null,this.match(o._catch))){const
t=this.startNode();this.next(),this.match(o.parenL)?(this.expect(o.parenL),t.param=this.parseCatchClauseParam(),thi
s.expect(o.parenR)):(t.param=null,this.scope.enter(0)),t.body=this.withTopicForbiddingContext(=>this.parseBlock
(!1,!1),this.scope.exit(),e.handler=this.finishNode(t,"CatchClause"))}return
e.finalizer=this.eat(o._finally)?this.parseBlock():null,e.handler||e.finalizer||this.raise(e.start,y.NoCatchOrFinally),this
.finishNode(e,"TryStatement")}parseVarStatement(e,t){return
this.next(),this.parseVar(e,!1,t),this.semicolon(),this.finishNode(e,"VariableDeclaration")}parseWhileStatement(e){r
eturn
this.next(),e.test=this.parseHeaderExpression(),this.state.labels.push(Oe),e.body=this.withTopicForbiddingContext((
=>this.parseStatement("while")),this.state.labels.pop(),this.finishNode(e,"WhileStatement"))}parseWithStatement(e)
{return
this.state.strict&&this.raise(this.state.start,y.StrictWith),this.next(),e.object=this.parseHeaderExpression(),e.body=th
is.withTopicForbiddingContext(=>this.parseStatement("with")),this.finishNode(e,"WithStatement")}parseEmptyS
tatement(e){return this.next(),this.finishNode(e,"EmptyStatement")}parseLabeledStatement(e,t,r,n){for(let
e=0,n=this.state.labels;e<n.length;e++){n[e].name===t&&this.raise(r.start,y.LabelRedeclaration,t)}const
i=this.state.type.isLoop?"loop":this.match(o._switch)?"switch":null;for(let t=this.state.labels.length-1;t>=0;t--
){const r=this.state.labels[t];if(r.statementStart!==e.start)break;r.statementStart=this.state.start,r.kind=i}return
this.state.labels.push({name:t,kind:i,statementStart:this.state.start}),e.body=this.parseStatement(n?-
1===n.indexOf("label"?n+"label":n:"label"),this.state.labels.pop(),e.label=r,this.finishNode(e,"LabeledStatement"
)}parseExpressionStatement(e,t){return
e.expression=t,this.semicolon(),this.finishNode(e,"ExpressionStatement")}parseBlock(e=!1,t=!0,r){const
n=this.startNode();return
this.expect(o.braceL),t&&this.scope.enter(0),this.parseBlockBody(n,e,!1,o.braceR,r),t&&this.scope.exit(),this.finish
Node(n,"BlockStatement")}isValidDirective(e){return"ExpressionStatement"===e.type&&"StringLiteral"===e.exp
ression.type&&!e.expression.extra.parenthesized}parseBlockBody(e,t,r,n,i){const
s=e.body=[],a=e.directives=[];this.parseBlockOrModuleBlockBody(s,t?a:void
0,r,n,i)}parseBlockOrModuleBlockBody(e,t,r,n,i){const s=[],a=this.state.strict;let
o=!1,l=!1;for(;!this.match(n);){!l&&this.state.octalPositions.length&&s.push(...this.state.octalPositions);const
n=this.parseStatement(null,r);if(t&&!l&&this.isValidDirective(n)){const e=this.stmtToDirective(n);t.push(e,o||"use
strict"!==e.value.value||(o=!0,this.setStrict(!0))}else l=!0,e.push(n)}if(this.state.strict&&s.length)for(let
e=0;e<s.length;e++){const
t=s[e];this.raise(t,y.StrictOctalLiteral)}i&&i.call(this,o,a||this.setStrict(!1),this.next())}parseFor(e,t){return
e.init=t,this.expect(o.semi),e.test=this.match(o.semi)?null:this.parseExpression(),this.expect(o.semi),e.update=this.m
atch(o.parenR)?null:this.parseExpression(),this.expect(o.parenR),e.body=this.withTopicForbiddingContext(=>this.p
arseStatement("for")),this.scope.exit(),this.state.labels.pop(),this.finishNode(e,"ForStatement")}parseForIn(e,t,r){c
onst n=this.match(o._in);return this.next(),n?r>-1&&this.unexpected(r):e.await=r>-
1,"VariableDeclaration"!==t.type||null===t.declarations[0].init||n&&!this.state.strict&&"var"===t.kind&&"Identifier
"===t.declarations[0].id.type?"AssignmentPattern"===t.type&&this.raise(t.start,y.InvalidLhs,"for-
loop"):this.raise(t.start,y.ForInOfLoopInitializer,n?"for-in":"for-
of"),e.left=t,e.right=n?this.parseExpression():this.parseMaybeAssignAllowIn(),this.expect(o.parenR),e.body=this.wi
thTopicForbiddingContext(=>this.parseStatement("for")),this.scope.exit(),this.state.labels.pop(),this.finishNode(e,
n?"ForInStatement":"ForOfStatement")}parseVar(e,t,r){const
n=e.declarations=[],i=this.hasPlugin("typescript");for(e.kind=r;);{const
e=this.startNode();if(this.parseVarId(e,r),this.eat(o.eq)?e.init=t?this.parseMaybeAssignDisallowIn():this.parseMayb
eAssignAllowIn():("const"!==r||this.match(o._in)||this.isContextual("of"))?"Identifier"===e.id.type||t&&(this.match(
o._in)||this.isContextual("of"))||this.raise(this.state.lastTokEnd,y.DeclarationMissingInitializer,"Complex binding
patterns"):i||this.raise(this.state.lastTokEnd,y.DeclarationMissingInitializer,"Const

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declarations"),e.init=null,n.push(this.finishNode(e,"VariableDeclarator")),!this.eat(o.comma))break}return
e}parseVarId(e,t){e.id=this.parseBindingAtom(),this.checkLVal(e.id,"var"===t?5:9,void 0,"variable
declaration","var"!==t)}parseFunction(e,t=0,r=!1){const
n=1&t,i=2&t,s=!(!n||4&t);this.initFunction(e,r),this.match(o.star)&&i&&this.raise(this.state.start,y.GeneratorInSing
leStatementContext),e.generator=this.eat(o.star),n&&(e.id=this.parseFunctionId(s));const
a=this.state.maybeInArrowParameters;return
this.state.maybeInArrowParameters=!1,this.scope.enter(2),this.prodParam.enter(ne(r,e.generator)),n||(e.id=this.parse
FunctionId()),this.parseFunctionParams(e,!1),this.withTopicForbiddingContext(=>{this.parseFunctionBodyAndFi
nish(e,n?"FunctionDeclaration":"FunctionExpression"))},this.prodParam.exit(),this.scope.exit(),n&&!i&&this.regist
erFunctionStatementId(e),this.state.maybeInArrowParameters=a,e}parseFunctionId(e){return
e||this.match(o.name)?this.parseIdentifier():null}parseFunctionParams(e,t){this.expect(o.parenL),this.expressionSco
pe.enter(new
Pe(3)),e.params=this.parseBindingList(o.parenR,41,!1,t),this.expressionScope.exit()}registerFunctionStatementId(e)
{e.id&&this.scope.declareName(e.id.name,this.state.strict||e.generator||e.async?this.scope.treatFunctionsAsVar?5:9:
17,e.id.start)}parseClass(e,t,r){this.next(),this.takeDecorators(e);const n=this.state.strict;return
this.state.strict=!0,this.parseClassId(e,t,r),this.parseClassSuper(e),e.body=this.parseClassBody(!e.superClass,n),this
.finishNode(e,t?"ClassDeclaration":"ClassExpression")}isClassProperty(){return
this.match(o.eq)||this.match(o.semi)||this.match(o.braceR)}isClassMethod(){return
this.match(o.parenL)}isNonstaticConstructor(e){return!(e.computed||e.static||"constructor"!==e.key.name&&"constr
uctor"!==e.key.value)}parseClassBody(e,t){this.classScope.enter();const
r={constructorAllowsSuper:e.hadConstructor:!1,hadStaticBlock:!1};let n=[];const
i=this.startNode();if(i.body=[],this.expect(o.braceL),this.withTopicForbiddingContext(=>{for(;!this.match(o.brace
R);){if(this.eat(o.semi)){if(n.length>0)throw
this.raise(this.state.lastTokEnd,y.DecoratorSemicolon);continue}if(this.match(o.at)){n.push(this.parseDecorator());c
ontinue}const
e=this.startNode();n.length&&(e.decorators=n,this.resetStartLocationFromNode(e,n[0]),n=[]),this.parseClassMemb
er(i,e,r,"constructor"===e.kind&&e.decorators&&e.decorators.length>0&&this.raise(e.start,y.DecoratorConstructo
r)})),this.state.strict=t,this.next(),n.length)throw this.raise(this.state.start,y.TrailingDecorator);return
this.classScope.exit(),this.finishNode(i,"ClassBody")}parseClassMemberFromModifier(e,t){const
r=this.parseIdentifier(!0);if(this.isClassMethod()){const n=t;return
n.kind="method",n.computed=!1,n.key=r,n.static=!1,this.pushClassMethod(e,n,!1,!1,!1,!1,!1,!1,!1,!1,!1,!1,!1,!1,!1)
if(this.isClassPropert
y()){const n=t;return
n.computed=!1,n.key=r,n.static=!1,e.body.push(this.parseClassProperty(n),!0)}return!1}parseClassMember(e,t,r){c
onst
n=this.isContextual("static");if(n){if(this.parseClassMemberFromModifier(e,t))return;if(this.eat(o.braceL))return
void
this.parseClassStaticBlock(e,t,r)}this.parseClassMemberWithIsStatic(e,t,r,n)}parseClassMemberWithIsStatic(e,t,r,n)
{const i=t,s=t,a=t,l=t,c=i,p=i;if(t.static=n,this.eat(o.star))return
c.kind="method",this.parseClassElementName(c),"PrivateName"===c.key.type?void
this.pushClassPrivateMethod(e,s,!0,!1):(this.isNonstaticConstructor(i)&&this.raise(i.key.start,y.ConstructorIsGener
ator),void this.pushClassMethod(e,i,!0,!1,!1,!1));const
u=this.state.containsEsc,d=this.parseClassElementName(t),h="PrivateName"===d.type,f="Identifier"===d.type,m=
this.state.start;if(this.parsePostMemberNameModifiers(p),this.isClassMethod()){if(c.kind="method",h)return void
this.pushClassPrivateMethod(e,s,!1,!1);const t=this.isNonstaticConstructor(i);let
n=!1;t&&(i.kind="constructor",r.hadConstructor&&!this.hasPlugin("typescript")&&this.raise(d.start,y.DuplicateCo
nstructor),r.hadConstructor=!0,n=r.constructorAllowsSuper),this.pushClassMethod(e,i,!1,!1,t,n)}else
if(this.isClassProperty())h?this.pushClassPrivateProperty(e,l):this.pushClassProperty(e,a);else
if(!f||"async"!==d.name||u||this.isLineTerminator())!f||"get"!==d.name&&"set"!==d.name||u||this.match(o.star)&&thi

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s.isLineTerminator()?this.isLineTerminator()?h?this.pushClassPrivateProperty(e,l):this.pushClassProperty(e,a):this.unexpected():(c.kind=d.name,this.parseClassElementName(i),"PrivateName"===c.key.type?this.pushClassPrivateMethod(e,s,!1,!1):(this.isNonstaticConstructor(i)&&this.raise(i.key.start,y.ConstructorIsAccessor),this.pushClassMethod(e,i,!1,!1,!1)),this.checkGetterSetterParams(i));else{const t=this.eat(o.star);p.optional&&this.unexpected(m),c.kind="method",this.parseClassElementName(c),this.parsePostMemberNameModifiers(p),"PrivateName"===c.key.type?this.pushClassPrivateMethod(e,s,t,!0):(this.isNonstaticConstructor(i)&&this.raise(i.key.start,y.ConstructorIsAsync),this.pushClassMethod(e,i,t,!0,!1,!1))}parseClassElementName(e){const t=this.parsePropertyName(e,!0);return e.computed||e.static||"prototype"!==t.name&&"prototype"!==t.value||this.raise(t.start,y.StaticPrototype),"PrivateName"===t.type&&"constructor"===t.id.name&&this.raise(t.start,y.ConstructorClassPrivateField),t}parseClassStaticBlock(e,t,r){var n;this.expectPlugin("classStaticBlock",t.start),this.scope.enter(80),this.expressionScope.enter(we());const i=this.state.labels;this.state.labels=[],this.prodParam.enter(0);const s=t.body=[];this.parseBlockOrModuleBlockBody(s,void 0,!1,o.braceR),this.prodParam.exit(),this.expressionScope.exit(),this.scope.exit(),this.state.labels=i,e.body.push(this.finishNode(t,"StaticBlock")),r.hadStaticBlock&&this.raise(t.start,y.DuplicateStaticBlock),(null==(n=t.decorators)?void 0:n.length)&&this.raise(t.start,y.DecoratorStaticBlock),r.hadStaticBlock=!0}pushClassProperty(e,t){t.computed||"constructor"!==t.key.name&&"constructor"!==t.key.value||this.raise(t.key.start,y.ConstructorClassField),e.body.push(this.parseClassProperty(t))}pushClassPrivateProperty(e,t){this.expectPlugin("classPrivateProperties",t.key.start);const r=this.parseClassPrivateProperty(t);e.body.push(r),this.classScope.declarePrivateName(r.key.id.name,0,r.key.start)}pushClassMethod(e,t,r,n,i,s){e.body.push(this.parseMethod(t,r,n,i,s,"ClassMethod",!0))}pushClassPrivateMethod(e,t,r,n){this.expectPlugin("classPrivateMethods",t.key.start);const i=this.parseMethod(t,r,n,!1,!1,"ClassPrivateMethod",!0);e.body.push(i);const s="get"===i.kind?i.static?6:2:"set"===i.kind?i.static?5:1:0;this.classScope.declarePrivateName(i.key.id.name,s,i.key.start)}parsePostMemberNameModifiers(e){}parseClassPrivateProperty(e){return this.parseInitializer(e),this.semicolon(),this.finishNode(e,"ClassPrivateProperty")}parseClassProperty(e){return e.typeAnnotation&&!this.match(o.eq)||this.expectPlugin("classProperties"),this.parseInitializer(e),this.semicolon(),this.finishNode(e,"ClassProperty")}parseInitializer(e){this.scope.enter(80),this.expressionScope.enter(we()),this.prodParam.enter(0),e.value=this.eat(o.eq)?this.parseMaybeAssignAllowIn():null,this.expressionScope.exit(),this.prodParam.exit(),this.scope.exit()}parseClassId(e,t,r,n=139){this.match(o.name)?(e.id=this.parseIdentifier(),t&&this.checkLVal(e.id,n,void 0,"class name")):r||t?e.id=null:this.unexpected(null,y.MissingClassName)}parseClassSuper(e){e.superClass=this.eat(o._extends)?this.parseExprSubscripts():null}parseExport(e){const t=this.maybeParseExportDefaultSpecifier(e),r=!t||this.eat(o.comma),n=r&&this.eatExportStar(e),i=n&&this.maybeParseExportNamespaceSpecifier(e),s=r&&(!i||this.eat(o.comma)),a=t||n;if(n&&!i)return t&&this.unexpected(),this.parseExportFrom(e,!0),this.finishNode(e,"ExportAllDeclaration");const l=this.maybeParseExportNamedSpecifiers(e);if(t&&r&&!n&&!i||i&&s&&!l)throw this.unexpected(null,o.braceL);let c;if(a||l?(c=!1,this.parseExportFrom(e,a)):c=this.maybeParseExportDeclaration(e),a||l||c)return this.checkExport(e,!0,!1,!e.source),this.finishNode(e,"ExportNamedDeclaration");if(this.eat(o._default))return e.declaration=this.parseExportDefaultExpression(),this.checkExport(e,!0,!0),this.finishNode(e,"ExportDefaultDeclaration");throw this.unexpected(null,o.braceL)}eatExportStar(e){return this.eat(o.star)}maybeParseExportDefaultSpecifier(e){if(this.isExportDefaultSpecifier()){this.expectPlugin("exportDefaultFrom");const t=this.startNode();return t.exported=this.parseIdentifier(!0),e.specifiers=[this.finishNode(t,"ExportDefaultSpecifier"),!0]return!1}maybeParseExportNamespaceSpecifier(e){if(this.isContextual("as")){e.specifiers||(e.specifiers=[]);const

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t=this.startNodeAt(this.state.lastTokStart,this.state.lastTokStartLoc);return
this.next(),t.exported=this.parseModuleExportName(),e.specifiers.push(this.finishNode(t,"ExportNamespaceSpecifi
er"),!0}return!1}maybeParseExportNamedSpecifiers(e){return!1this.match(o.braceL)&&(e.specifiers||(e.specifiers=
[]),e.specifiers.push(...this.parseExportSpecifiers()),e.source=null,e.declaration=null,!0)}maybeParseExportDeclarat
ion(e){return!1this.shouldParseExportDeclaration()&&(e.specifiers=[],e.source=null,e.declaration=this.parseExport
Declaration(e,!0)}isAsyncFunction(){if(!this.isContextual("async"))return!1;const
e=this.nextTokenStart();return!1.test(this.input.slice(this.state.pos,e))&&this.isUnparsedContextual("function")}pa
rseExportDefaultExpression(){const e=this.startNode(),t=this.isAsyncFunction();if(this.match(o._function)||t)return
this.next(),t&&this.next(),this.parseFunction(e,5,t);if(this.match(o._class))return
this.parseClass(e,!0,!0);if(this.match(o.at))return
this.hasPlugin("decorators")&&this.getPluginOption("decorators","decoratorsBeforeExport")&&this.raise(this.state.
start.y.DecoratorBeforeExport),this.parseDecorators(!1),this.parseClass(e,!0,!0);if(this.match(o._const)||this.match(o
._var)||this.isLet())throw this.raise(this.state.start.y.UnsupportedDefaultExport);{const
e=this.parseMaybeAssignAllowIn();return this.semicolon(),e}}parseExportDeclaration(e){return
this.parseStatement(null)}isExportDefaultSpecifier(){if(this.match(o.name)){const
e=this.state.value;if("async"===e&&!this.state.containsEsc||"let"===e)return!1;if(("type"===e||"interface"===e)&&
!this.state.containsEsc){const
e=this.lookahead();if(e.type===o.name&&"from"!==e.value|e.type===o.braceL)return
this.expectOnePlugin(["flow","typescript"],!1)}else if(!this.match(o._default))return!1;const
e=this.nextTokenStart(),t=this.isUnparsedContextual(e,"from");if(44===this.input.charCodeAt(e)||this.match(o.nam
e)&&t)return!0;if(this.match(o._default)&&t){const t=this.input.charCodeAt(this.nextTokenStartSince(e+4));return
34===t||39===t}return!1}parseExportFrom(e,t){if(this.eatContextual("from")){e.source=this.parseImportSource(),t
his.checkExport(e);const t=this.maybeParseImportAssertions();t&&(e.assertions=t)}else
t?this.unexpected():e.source=null;this.semicolon()}shouldParseExportDeclaration(){if(this.match(o.at)&&(this.expe
ctOnePlugin(["decorators","decorators-
legacy"]),this.hasPlugin("decorators"))){if(!this.getPluginOption("decorators","decoratorsBeforeExport"))return!0;t
his.unexpected(this.state.start.y.DecoratorBeforeExport)}return"var"===this.state.type.keyword||"const"===this.stat
e.type.keyword||"function"===this.state.type.keyword||"class"===this.state.type.keyword||this.isLet()||this.isAsyncF
unction()}checkExport(e,t,r,n){if(t)if(r){if(this.checkDuplicateExports(e,"default"),this.hasPlugin("exportDefaultFro
m")){var i;const t=e.declaration;"Identifier"!==t.type||"from"!==t.name||t.end-t.start!-4||(null==(i=t.extra)?void
0:i.parenthesized)||this.raise(t.start.y.ExportDefaultFromAsIdentifier)}}else
if(e.specifiers&&e.specifiers.length)for(let t=0,r=e.specifiers;t<r.length;t++){const
e=r[t],{exported:i}=e,s="Identifier"===i.type?i.name:i.value;if(this.checkDuplicateExports(e,s),!n&&e.local){const
{local:t}=e;"StringLiteral"===t.type?this.raise(e.start.y.ExportBindingIsString,t.extra.raw,s):(this.checkReservedW
ord(t.name,t.start,!0,!1),this.scope.checkLocalExport(t))}else
if(e.declaration)if("FunctionDeclaration"===e.declaration.type||"ClassDeclaration"===e.declaration.type){const
t=e.declaration.id;if(!t)throw new Error("Assertion failure");this.checkDuplicateExports(e,t.name)}else
if("VariableDeclaration"===e.declaration.type)for(let t=0,r=e.declaration.declarations;t<r.length;t++){const
e=r[t];this.checkDeclaration(e.id)}if(this.state.decoratorStack[this.state.decoratorStack.length-1].length)throw
this.raise(e.start.y.UnsupportedDecoratorExport)}checkDeclaration(e){if("Identifier"===e.type)this.checkDuplicate
Exports(e,e.name);else if("ObjectPattern"===e.type)for(let t=0,r=e.properties;t<r.length;t++){const
e=r[t];this.checkDeclaration(e)}else if("ArrayPattern"===e.type)for(let t=0,r=e.elements;t<r.length;t++){const
e=r[t];e&&this.checkDeclaration(e)}else"ObjectProperty"===e.type?this.checkDeclaration(e.value):"RestElement"
===e.type?this.checkDeclaration(e.argument):"AssignmentPattern"===e.type&&this.checkDeclaration(e.left)}chec
kDuplicateExports(e,t){this.state.exportedIdentifiers.indexOf(t)>-
1&&this.raise(e.start,"default"===t?y.DuplicateDefaultExport:y.DuplicateExport,t),this.state.exportedIdentifiers.pus
h(t)}parseExportSpecifiers(){const e=[];let t=!0;for(this.expect(o.braceL);!this.eat(o.braceR);){if(t)t=!1;else
if(this.expect(o.comma),this.eat(o.braceR))break;const

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r=this.startNode();r.local=this.parseModuleExportName(),r.exported=this.eatContextual("as")?this.parseModuleExportName():r.local.__clone(),e.push(this.finishNode(r,"ExportSpecifier"))}return
e}parseModuleExportName(){if(this.match(o.string)){this.expectPlugin("moduleStringNames");const
e=this.parseLiteral(this.state.value,"StringLiteral"),t=e.value.match(Ce);return
t&&this.raise(e.start,y.ModuleExportNameHasLoneSurrogate,t[0].charCodeAt(0).toString(16)),e}return
this.parseIdentifier(!0)}parseImport(e){if(e.specifiers=[],!this.match(o.string)){const
t=!this.maybeParseDefaultImportSpecifier(e)||this.eat(o.comma),r=t&&this.maybeParseStarImportSpecifier(e);t&&!
r&&this.parseNamedImportSpecifiers(e),this.expectContextual("from")}e.source=this.parseImportSource();const
t=this.maybeParseImportAssertions();if(t)e.assertions=t;else{const
t=this.maybeParseModuleAttributes();t&&(e.attributes=t)}return
this.semicolon(),this.finishNode(e,"ImportDeclaration")}parseImportSource(){return
this.match(o.string)||this.unexpected(),this.parseExprAtom()}shouldParseDefaultImport(e){return
this.match(o.name)}parseImportSpecifierLocal(e,t,r,n){t.local=this.parseIdentifier(),this.checkLVal(t.local,9,void
0,n),e.specifiers.push(this.finishNode(t,r))}parseAssertEntries(){const e=[],t=new
Set;do{if(this.match(o.braceR))break;const
r=this.startNode(),n=this.state.value;if(this.match(o.string)?r.key=this.parseLiteral(n,"StringLiteral"):r.key=this.parseIdentifier(!0),this.expect(o.colon),"type"!==n&&this.raise(r.key.start,y.ModuleAttributeDifferentFromType,n),t.has(n)&&this.raise(r.key.start,y.ModuleAttributesWithDuplicateKeys,n),t.add(n,!this.match(o.string))throw
this.unexpected(this.state.start,y.ModuleAttributeInvalidValue);r.value=this.parseLiteral(this.state.value,"StringLiteral"),this.finishNode(r,"ImportAttribute"),e.push(r)}while(this.eat(o.comma));return
e}maybeParseModuleAttributes(){if(!this.match(o._with)||this.hasPrecedingLineBreak())return
this.hasPlugin("moduleAttributes")?[]:null;this.expectPlugin("moduleAttributes"),this.next();const e=[],t=new
Set;do{const
r=this.startNode();if(r.key=this.parseIdentifier(!0),"type"!==r.key.name&&this.raise(r.key.start,y.ModuleAttributeDifferentFromType,r.key.name),t.has(r.key.name)&&this.raise(r.key.start,y.ModuleAttributesWithDuplicateKeys,r.key.name),t.add(r.key.name),this.expect(o.colon),!this.match(o.string))throw
this.unexpected(this.state.start,y.ModuleAttributeInvalidValue);r.value=this.parseLiteral(this.state.value,"StringLiteral"),this.finishNode(r,"ImportAttribute"),e.push(r)}while(this.eat(o.comma));return
e}maybeParseImportAssertions(){if(!this.isContextual("assert")||this.hasPrecedingLineBreak())return
this.hasPlugin("importAssertions")?[]:null;this.expectPlugin("importAssertions"),this.next(),this.eat(o.braceL);const
e=this.parseAssertEntries();return
this.eat(o.braceR),e}maybeParseDefaultImportSpecifier(e){return!this.shouldParseDefaultImport(e)&&(this.parseImportSpecifierLocal(e,this.startNode(),"ImportDefaultSpecifier","default import
specifier"),!0)}maybeParseStarImportSpecifier(e){if(this.match(o.star)){const t=this.startNode();return
this.next(),this.expectContextual("as"),this.parseImportSpecifierLocal(e,t,"ImportNamespaceSpecifier","import
namespace specifier"),!0}return!1}parseNamedImportSpecifiers(e){let
t=!0;for(this.expect(o.braceL);!this.eat(o.braceR);){if(t=!1;else{if(this.eat(o.colon))throw
this.raise(this.state.start,y.DestructureNamedImport);if(this.expect(o.comma),this.eat(o.braceR))break}this.parseImportSpecifier(e)}parseImportSpecifier(e){const
t=this.startNode();if(t.imported=this.parseModuleExportName(),this.eatContextual("as"))t.local=this.parseIdentifier();else{const{imported:e}=t;if("StringLiteral"===e.type)throw
this.raise(t.start,y.ImportBindingIsString,e.value);this.checkReservedWord(e.name,t.start,!0,!0),t.local=e.__clone()}t
this.checkLVal(t.local,9,void 0,"import
specifier"),e.specifiers.push(this.finishNode(t,"ImportSpecifier"))}}constructor(e,t){super(e=function(e){const
t={};for(let r=0,n=Object.keys(he);r<n.length;r++){const i=n[r];t[i]=e&&null!==e[i]?e[i]:he[i]}return t}(e),t);const
r=this.getScopeHandler();this.options=e,this.inModule="module"===this.options.sourceType,this.scope=new
r(this.raise.bind(this),this.inModule),this.prodParam=new re,this.classScope=new
ke(this.raise.bind(this)),this.expressionScope=new Ae(this.raise.bind(this)),this.plugins=function(e){const t=new

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Map;for(let r=0;r<e.length;r++){const n=e[r],[i,s]=Array.isArray(n)?n:[n,{ }];t.has(i)||t.set(i,s||{ })}return
t}(this.options.plugins),this.filename=e.sourceFilename}getScopeHandler(){return Z}parse(){let
e=0;this.hasPlugin("topLevelAwait")&&this.inModule&&(e|=2),this.scope.enter(1),this.prodParam.enter(e);const
t=this.startNode(),r=this.startNode();return
this.nextToken(),t.errors=null,this.parseTopLevel(t,r),t.errors=this.state.errors,t}function _e(e,t){let
r=De;return(null===e?void 0:e.plugins)&&(!function(e){if(oe(e,"decorators")){if(oe(e,"decorators-legacy"))throw
new Error("Cannot use the decorators and decorators-legacy plugin together");const
t=le(e,"decorators","decoratorsBeforeExport");if(null===t)throw new Error("The 'decorators' plugin requires a
'decoratorsBeforeExport' option, whose value must be a boolean. If you are migrating from Babylon/Babel 6 or want
to use the old decorators proposal, you should use the 'decorators-legacy' plugin instead of
'decorators'.");if("boolean"!==typeof t)throw new Error("'decoratorsBeforeExport' must be a
boolean.")}if(oe(e,"flow")&&oe(e,"typescript"))throw new Error("Cannot combine flow and typescript
plugins.");if(oe(e,"placeholders")&&oe(e,"v8intrinsic"))throw new Error("Cannot combine placeholders and
v8intrinsic plugins.");if(oe(e,"pipelineOperator")&&!ce.includes(le(e,"pipelineOperator","proposal")))}throw new
Error("'pipelineOperator' requires 'proposal' option whose value should be one of: "+ce.map(e=>`$${e}`).join(",
"));if(oe(e,"moduleAttributes")){if(oe(e,"importAssertions"))throw new Error("Cannot combine importAssertions
and moduleAttributes plugins.");if("may-2020"!==le(e,"moduleAttributes","version"))throw new Error("The
'moduleAttributes' plugin requires a 'version' option, representing the last proposal update. Currently, the only
supported value is 'may-
2020'.");if(oe(e,"recordAndTuple")&&!pe.includes(le(e,"recordAndTuple","syntaxType")))}throw new
Error("'recordAndTuple' requires 'syntaxType' option whose value should be one of: "+pe.map(e=>`$${e}`).join(",
"))}(e.plugins),r=function(e){const t=de.filter(t=>oe(e,t)),r=t.join("/");let n=Le[r];if(!n){n=De;for(let
e=0;e<t.length;e++){const r=t[e];n=ue[r](n)}Le[r]=n}return n}(e.plugins),new r(e,t)const
Le={ };t.parse=function(e,t){var r;if("unambiguous"!==!(null==(r=t)?void 0:r.sourceType))return
_e(t,e).parse();t=Object.assign({ },t);try{t.sourceType="module";const
r=_e(t,e),n=r.parse();if(r.sawUnambiguousESM)return n;if(r.ambiguousScriptDifferentAst)try{return
t.sourceType="script",_e(t,e).parse()}catch(e){}else n.program.sourceType="script";return n}catch(r){try{return
t.sourceType="script",_e(t,e).parse()}catch(e){}throw r}},t.parseExpression=function(e,t){const r=_e(t,e);return
r.options.strictMode&&(r.state.strict!=0),r.getExpression(),t.tokTypes=o,function(e,t,r){ "use strict";const
n=r(130),i=Symbol("max"),s=Symbol("length"),a=Symbol("lengthCalculator"),o=Symbol("allowStale"),l=Symbol(
"maxAge"),c=Symbol("dispose"),p=Symbol("noDisposeOnSet"),u=Symbol("lruList"),d=Symbol("cache"),h=Symbol(
"updateAgeOnGet"),f(=)=>1;const m=(e,t,r)=>{const n=e[d].get(t);if(n){const
t=n.value;if(y(e,t)){if(b(e,n),!e[o])return}else r&&(e[h]&&(n.value.now=Date.now()),e[u].unshiftNode(n));return
t.value}},y=(e,t)=>{if(!t||t.maxAge&&!e[l])return!1;const r=Date.now()-t.now;return
t.maxAge>r?t.maxAge:e[l]&&r>e[l]},T=e=>{if(e[s]>e[i])for(let t=e[u].tail;e[s]>e[i]&&null!==t;){const
r=t.prev;b(e,t),t=r}},b=(e,t)=>{if(t){const r=t.value;e[c]&&e[c](r.key,r.value),e[s]-
=r.length,e[d].delete(r.key),e[u].removeNode(t)};class
g{constructor(e,t,r,n,i){this.key=e,this.value=t,this.length=r,this.now=n,this.maxAge=i||0}}const S=(e,t,r,n)=>{let
i=r.value;y(e,i)&&(b(e,r),e[o])||i=void
0)},i&&t.call(n,i.value,i.key,e)};e.exports=class{constructor(e){if("number"===typeof
e&&(e={max:e}),e||(e={}),e.max&&("number"!==typeof e.max||e.max<0))throw new TypeError("max must be a
non-negative number");this[i]=e.max||1/0;const t=e.length||f;if(this[a]="function"!==typeof
t?f:t,this[o]=e.stale||1,e.maxAge&&"number"!==typeof e.maxAge)throw new TypeError("maxAge must be a
number");this[l]=e.maxAge||0,this[c]=e.dispose,this[p]=e.noDisposeOnSet||1,this[h]=e.updateAgeOnGet||1,this.r=
et()}set max(e){if("number"!==typeof e||e<0)throw new TypeError("max must be a non-negative
number");this[i]=e||1/0,T(this)}get max(){return this[i]}set allowStale(e){this[o]=!e}get allowStale(){return
this[o]}set maxAge(e){if("number"!==typeof e)throw new TypeError("maxAge must be a non-negative
number");this[l]=e,T(this)}get maxAge(){return this[l]}set lengthCalculator(e){ "function"!==typeof

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e&&(e=f),e!==(this[a]&&(this[a]=e,this[s]=0,this[u].forEach(e=>{e.length=this[a](e.value,e.key),this[s]+=e.length}
),T(this))get lengthCalculator(){return this[a]}get length(){return this[s]}get itemCount(){return
this[u].length}rforEach(e,t){t=t||this;for(let r=this[u].tail,null!==(r;){const
n=r.prev;S(this,e,r,t),r=n}}forEach(e,t){t=t||this;for(let r=this[u].head,null!==(r;){const
n=r.next;S(this,e,r,t),r=n}}keys(){return this[u].toArray().map(e=>e.key)}values(){return
this[u].toArray().map(e=>e.value)}reset(){this[c]&&this[u]&&this[u].length&&this[u].forEach(e=>this[c](e.key,e
.value)),this[d]=new Map,this[u]=new n,this[s]=0}dump(){return
this[u].map(e=>!y(this,e)&&{k:e.key,v:e.value,e:e.now+(e.maxAge||0)}).toArray().filter(e=>e)}dumpLru(){return
this[u]}set(e,t,r){if((r=r||this[l])&&"number"!==typeof r)throw new TypeError("maxAge must be a number");const
n=r?Date.now():0,o=this[a](t,e);if(this[d].has(e)){if(o>this[i])return b(this,this[d].get(e)),!1;const
a=this[d].get(e).value;return this[c]&&(this[p]||this[c](e,a.value)),a.now=n,a.maxAge=r,a.value=t,this[s]+=o-
a.length,a.length=0,this.get(e),T(this),!0}const h=new g(e,t,o,n,r);return
h.length>this[i]?(this[c]&&this[c](e,t),!1):(this[s]+=h.length,this[u].unshift(h),this[d].set(e,this[u].head),T(this),!0)
has(e){if(!this[d].has(e))return!1;const t=this[d].get(e).value;return!y(this,t)}get(e){return
m(this,e,!0)}peek(e){return m(this,e,!1)}pop(){const e=this[u].tail;return
e?(b(this,e),e.value):null}del(e){b(this,this[d].get(e))}load(e){this.reset();const t=Date.now();for(let r=e.length-
1;r>=0;r--){const n=e[r],i=n.e||0;if(0===i)this.set(n.k,n.v);else{const e=i-
t,e>0&&this.set(n.k,n.v,e)}}}prune(){this[d].forEach((e,t)=>m(this,t,!1))}}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(){throw Error("Test Error
stack")},t.SOURCE_STACK_FRAME_LINE_NUMBER=void
0;t.SOURCE_STACK_FRAME_LINE_NUMBER=12},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.ForAwaitStatement=t.NumericLiteralTypeAnnotation=t.
ExistentialTypeParam=t.SpreadProperty=t.RestProperty=t.Flow=t.Pure=t.Generated=t.User=t.Var=t.BlockScoped=t.
Referenced=t.Scope=t.Expression=t.Statement=t.BindingIdentifier=t.ReferencedMemberExpression=t.ReferencedI
dentifier=void 0;var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}const
s={types:["Identifier","JSXIdentifier"],checkPath(e,t){const{node:r,parent:i}=e;if(!n.isIdentifier(r,t)&&!n.isJSXMe
mberExpression(i,t)){if(!n.isJSXIdentifier(r,t))return!1;if(n.react.isCompatTag(r.name))return!1}return
n.isReferenced(r,i,e.parentPath.parent)}};t.ReferencedIdentifier=s;const
a={types:["MemberExpression"],checkPath:({node:e,parent:t})=>n.isMemberExpression(e)&&n.isReferenced(e,t)
};t.ReferencedMemberExpression=a;const
o={types:["Identifier"],checkPath(e){const{node:t,parent:r}=e,i=e.parentPath.parent;return
n.isIdentifier(t)&&n.isBinding(t,r,i)}};t.BindingIdentifier=o;const
l={types:["Statement"],checkPath:({node:e,parent:t}){if(n.isStatement(e)){if(n.isVariableDeclaration(e)){if(n.isForX
Statement(t,{left:e}))return!1;if(n.isForStatement(t,{init:e}))return!1}return!0}return!1}};t.Statement=l;const
c={types:["Expression"],checkPath:e=>e.isIdentifier()?e.isReferencedIdentifier():n.isExpression(e.node)};t.Expressi
on=c;const p={types:["Scopable","Pattern"],checkPath:e=>n.isScope(e.node,e.parent)};t.Scope=p;const
u={checkPath:e=>n.isReferenced(e.node,e.parent)};t.Referenced=u;const
d={checkPath:e=>n.isBlockScoped(e.node)};t.BlockScoped=d;const
h={types:["VariableDeclaration"],checkPath:e=>n.isVar(e.node)};t.Var=h;const
f={checkPath:e=>e.node&&!e.node.loc};t.User=f;const m={checkPath:e=>!e.isUser()};t.Generated=m;const
y={checkPath:(e,t)=>e.scope.isPure(e.node,t)};t.Pure=y;const
T={types:["Flow","ImportDeclaration","ExportDeclaration","ImportSpecifier"],checkPath:({node:e})=>!n.isFlow(

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e)||n.isImportDeclaration(e)?"type"===e.importKind||"typeof"===e.importKind:n.isExportDeclaration(e)?"type"===e.exportKind:!!n.isImportSpecifier(e)&&("type"===e.importKind||"typeof"===e.importKind));t.Flow=T;const b={types:["RestElement"],checkPath:e=>e.parentPath&&e.parentPath.isObjectPattern();t.RestProperty=b;const g={types:["RestElement"],checkPath:e=>e.parentPath&&e.parentPath.isObjectExpression();t.SpreadProperty=g;t.ExistentialTypeParam={types:["ExistsTypeAnnotation"]};t.NumericLiteralTypeAnnotation={types:["NumberLiteralTypeAnnotation"]};const S={types:["ForOfStatement"],checkPath:({node:e})=>!0===e.await;t.ForAwaitStatement=S},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const r=e.split(".");return e=>(0,i.default)(e,r,t)};var n,i=(n=r(65))&&n.__esModule?n:{default:n}},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!(0,n.isMemberExpression)(e))return!1;const i=Array.isArray(t)?t.split("."),s=[];let a;for(a=e;(0,n.isMemberExpression)(a);a=a.object)s.push(a.property);if(s.push(a),s.length<i.length)return!1;if(!r&&s.length>i.length)return!1;for(let e=0,t=s.length-1;e<i.length;e++,t--){const r=s[t];let a;if((0,n.isIdentifier)(r))a=r.name;else{if(!(0,n.isStringLiteral)(r))return!1;a=r.value}if(i[e]!==a)return!1}return!0};var n=r(2)},function(e,t){e.exports=function(e,t){return e===t||e!==e&&t!==t}},function(e,t,r){var n=r(18),i=r(22);e.exports=function(e){if(!i(e))return!1;var t=n(e);return"[object Function]"===t||"[object GeneratorFunction]"===t||"[object AsyncFunction]"===t||"[object Proxy]"===t}},function(e,t){var r="object"===typeof global&&global&&global.Object===Object&&global;e.exports=r},function(e,t){var r=Function.prototype.toString;e.exports=function(e){if(null===e){try{return r.call(e)}catch(e){}try{return e+""}catch(e){}}return""}},function(e,t,r){var n=r(71),i=r(66),s=Object.prototype.hasOwnProperty;e.exports=function(e,t,r){var a=e[t];s.call(e,t)&&i(a,r)&&(void 0!==r||t in e)||n(e,t,r)},function(e,t,r){var n=r(171);e.exports=function(e,t,r){"__proto__"===t&&n?n(e,t,{configurable:!0,enumerable:!0,value:r,writable:!0}):e[t]=r}},function(e,t,r){var n=r(173),i=r(174),s=r(43),a=r(73),o=r(177),l=r(178),c=Object.prototype.hasOwnProperty;e.exports=function(e,t){var r=s(e),p=!r&&i(e),u=!r&&!p&&a(e),d=!r&&!p&&!u&&l(e),h=r||p||u||d,f=h?n(e.length,String):[],m=f.length;for(var y in e)!t&&!c.call(e,y)||h&&("length"===y||u&&("offset"===y||"parent"===y)||d&&("buffer"===y||"byteLength"===y||"byteOffset"===y)||o(y,m))||f.push(y);return f}},function(e,t,r){(function(e){var n=r(7),i=r(176),s=t&&!t.nodeType&&t,a=s&&"object"===typeof e&&e&&!e.nodeType&&e,o=a&&a.exports===s?n.Buffer:void 0,l=(o?o.isBuffer:void 0)||i;e.exports=l}).call(this,r(31)(e)),function(e,t){e.exports=function(e){return"number"===typeof e&&e>-1&&e%1===0&&e<=9007199254740991}},function(e,t){e.exports=function(e,t){return function(r){return e(t(r))}},function(e,t,r){var n=r(67),i=r(74);e.exports=function(e){return null!==e&&i(e.length)&&!n(e)},function(e,t){e.exports=function(){return[]}},function(e,t,r){var n=r(79),i=r(47),s=r(46),a=r(77),o=Object.getOwnPropertySymbols?function(e){for(var t=[];e;n(t,s(e)),e=i(e))return t}:a;e.exports=o},function(e,t){e.exports=function(e,t){for(var r=-1,n=t.length,i=e.length;++r<n;)e[i+r]=t[r];return e}},function(e,t,r){var n=r(79),i=r(43);e.exports=function(e,t,r){var s=t(e);return i(e)?s(n(s,r(e)))},function(e,t,r){"use strict";let n=null;function i(e){if(null!==n&&(n.property,1))const e=n;return n=i.prototype=null,e}return n=i.prototype=null===e?Object.create(null):e,new i}),e.exports=function(e){return i(e)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(e===t)return!0;const r=n.PLACEHOLDERS_ALIAS[e];if(r)for(const e of r)if(t===e)return!0;return!1};var n=r(5)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.PLACEHOLDERS_FLIPPED_ALIAS=t.PLACEHOLDERS_ALIAS=t.PLACEHOLDERS=void 0;var n=r(9);const i=["Identifier","StringLiteral","Expression","Statement","Declaration","BlockStatement","ClassBody","Pattern"];t.PLACEHOLDERS=i;const

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s={Declaration:["Statement"],Pattern:["PatternLike","LVal"]};t.PLACEHOLDERS_ALIAS=s;for(const e of
i){const t=n.ALIAS_KEYS[e];(null==t?void 0:t.length)&&(s[e]=t)}const
a={};t.PLACEHOLDERS_FLIPPED_ALIAS=a,Object.keys(s).forEach(e=>{s[e].forEach(t=>{Object.hasOwnProp
erty.call(a,t)||a[t]=[],a[t].push(e)}))}),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return!(!e||!n.VISITOR_KEYS[e.typ
e]);var n=r(5)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function
e(t){const r={},i={},s=[],a=[];for(let o=0;o<t.length;o++){const
l=t[o];if(l&&!a.indexOf(l)>=0){if((0,n.isAnyTypeAnnotation)(l))return l;if((0,n.isFlowBaseAnnotation)(l))i[l.typ
e]=l;else if((0,n.isUnionTypeAnnotation)(l))s.indexOf(l.types)<0&&(t=t.concat(l.types),s.push(l.types));else
if((0,n.isGenericTypeAnnotation)(l)){const t=l.id.name;if(r[t]){let
n=r[t];n.typeParameters?l.typeParameters&&(n.typeParameters.params=e(n.typeParameters.params.concat(l.typePar
ameters.params)))=n.l.typeParameters}else r[t]=l}else a.push(l)}}for(const e of Object.keys(i))a.push(i[e]);for(const
e of Object.keys(r))a.push(r[e]);return a};var n=r(2)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!r||e)return e;const
n=t+"Comments";e[n]?e[n]="leading"===t?r.concat(e[n]):e[n].concat(r):e[n]=r;return e}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){(0,i.default)("innerComments",e,t)
};var n,i=(n=r(53))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){(0,i.default)("leadingComments",e,
t)};var n,i=(n=r(53))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){return(0,n.default)(e,t),(0,i.default)
(e,t),(0,s.default)(e,t),e};var n=a(r(90)),i=a(r(88)),s=a(r(87));function a(e){return
e&&e.__esModule?e:{default:e}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){(0,i.default)("trailingComments",e,
t)};var n,i=(n=r(53))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if((0,n.isBlockStatement)(e))return
e;let
r=[];(0,n.isEmptyStatement)(e)?r=[]:((0,n.isStatement)(e)||e=(0,n.isFunction)(t)?(0,i.returnStatement)(e):(0,i.expres
sionStatement)(e)),r=[e];return(0,i.blockStatement)(r)};var n=r(2),i=r(4)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){e=(e=(e=(e+=").replace(/^[a-zA-
Z0-9$_]/g,"-")).replace(/[-0-9]+/, "").replace(/[-\s]+(.)?/g,(function(e,t){return
t?t.toUpperCase():""})),(0,i.default)(e)||e=="_"+e;return e||"_";var
n,i=(n=r(23))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){return(0,n.default)(e,i.default,t),e};
var n=s(r(94)),i=s(r(95));function s(e){return e&&e.__esModule?e:{default:e}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t,r,i){if(!t)return;const
s=n.VISITOR_KEYS[t.type];if(!s)return;r(t,i=||{});for(const n of s){const s=t[n];if(Array.isArray(s))for(const t of
s)e(t,r,i);else e(s,r,i)};var n=r(5)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t={}){const
r=t.preserveComments?i:s;for(const t of r)null!=e[t]&&(e[t]=void 0);for(const t of
Object.keys(e))"_===t[0]&&null!=e[t]&&(e[t]=void 0);const n=Object.getOwnPropertySymbols(e);for(const t of
n)e[t]=null};var n=r(13);const
i=["tokens","start","end","loc","raw","rawValue"],s=n.COMMENT_KEYS.concat(["comments"]).concat(i),functio
n(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.isVariableDeclaration)(e)
&&("var"!==e.kind||e[i.BLOCK_SCOPED_SYMBOL])};var
n=r(2),i=r(13)},function(e,t,r){e.exports=function(e){function t(e){let t=0;for(let r=0;r<e.length;r++)t=(t<<5)-
t+e.charCodeAt(r),t|=0;return n.colors[Math.abs(t)%n.colors.length]}function n(e){let r;function
a(...e){if(!a.enabled)return;const t=a,i=Number(new Date),s=i-

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(r|i);t.diff=s,t.prev=r,t.curr=i,r=i,e[0]=n.coerce(e[0]),"string"!==typeof e[0]&&e.unshift("%O");let
o=0;e[0]=e[0].replace(/%([a-zA-Z%])/g,(r,i)=>{if("%"===r)return r;o++;const
s=n.formatters[i];if("function"===typeof s){const n=e[o];r=s.call(t,n),e.splice(o,1),o--}return
r}),n.formatArgs.call(t,e);(t.log||n.log).apply(t,e)}return
a.namespace=e,a.enabled=n.enabled(e),a.useColors=n.useColors(),a.color=t(e),a.destroy=i,a.extend=s,"function"===t
ypeof n.init&&n.init(a),n.instances.push(a),a}function i(){const e=n.instances.indexOf(this);return-
1!==e&&(n.instances.splice(e,1),!0)}function s(e,t){const r=n(this.namespace+(void 0===t?"":t)+e);return
r.log=this.log,r}function a(e){return e.toString().substring(2,e.toString().length-2).replace(/\.\*\?$/,"*")}return
n.debug=n,n.default=n,n.coerce=function(e){if(e instanceof Error)return e.stack||e.message;return
e},n.disable=function(){const e=[...n.names.map(a),...n.skips.map(a).map(e=>"-"+e)].join(",");return
n.enable(""),e},n.enable=function(e){let t;n.save(e),n.names=[],n.skips=[];const r=("string"===typeof
e?""):s.split(/[\s,]+/),i=r.length;for(t=0;t<i;t++)r[t]&&("=="===e=r[t].replace(/\*\/g,".*?"))[0]?n.skips.push(new
RegExp("^(?="+e.substr(1)+"$")):n.names.push(new RegExp("^(?="+e+"$")));for(t=0;t<n.instances.length;t++){const
e=n.instances[t];e.enabled=n.enabled(e.namespace)},n.enabled=function(e){if("*"===e[e.length-1])return!0;let
t,r;for(t=0,r=n.skips.length;t<r;t++)if(n.skips[t].test(e))return!1;for(t=0,r=n.names.length;t<r;t++)if(n.names[t].test(e
))return!0;return!1},n.humanize=r(257),Object.keys(e).forEach(t=>{n[t]=e[t]}),n.instances=[],n.names=[],n.skips=[
],n.formatters={},n.selectColor=t,n.enable(n.load()),n}},function(e,t){e.exports=require("os")},function(e,t,r){"use
strict";e.exports=(e,t)=>{t=t||process.argv;const r=e.startsWith("-")?"":1===e.length?"-":"--
",n=t.indexOf(r+e),i=t.indexOf("--");return-1!==n&&(-1===i||n<i)}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n=p(r(262)),i=p(r(17)),s=p(r(101)),a=p(r(312)),o=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=c();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0)),l=r(38);function c(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return c=function(){return e},e}function p(e){return e&&e.__esModule?e:{default:e}}const
u={For(e){for(const t of o.FOR_INIT_KEYS){const
r=e.get(t);if(r.isVar()){(e.scope.getFunctionParent()||e.scope.getProgramParent()).registerBinding("var",r)}},Declar
ation(e){if(e.isBlockScoped())return;if(e.isExportDeclaration()&&e.get("declaration").isDeclaration())return;(e.scop
e.getFunctionParent()||e.scope.getProgramParent()).registerDeclaration(e)},ReferencedIdentifier(e,t){t.references.pu
sh(e)},ForXStatement(e,t){const
r=e.get("left");(r.isPattern()||r.isIdentifier())&&t.constantViolations.push(e)},ExportDeclaration:{exit(e){const{node
:t,scope:r}=e,n=t.declaration;if(o.isClassDeclaration(n)||o.isFunctionDeclaration(n)){const t=n.id;if(!t)return;const
i=r.getBinding(t.name);i&&i.reference(e)}else if(o.isVariableDeclaration(n))for(const t of n.declarations)for(const n
of Object.keys(o.getBindingIdentifiers(t))){const
t=r.getBinding(n);t&&t.reference(e)}},LabeledStatement(e){e.scope.getProgramParent().addGlobal(e.node),e.scop
e.getBlockParent().registerDeclaration(e)},AssignmentExpression(e,t){t.assignments.push(e)},UpdateExpression(e,t
){t.constantViolations.push(e)},UnaryExpression(e,t){t.delete===e.node.operator&&t.constantViolations.push(e)},
BlockScoped(e){let
t=e.scope;t.path===e&&(t=t.parent);if(t.getBlockParent().registerDeclaration(e),e.isClassDeclaration()&&e.node.id
){const t=e.node.id.name;e.scope.bindings[t]=e.scope.parent.getBinding(t)},Block(e){const
t=e.get("body");for(const r of
t)r.isFunctionDeclaration()&&e.scope.getBlockParent().registerDeclaration(r),CatchClause(e){e.scope.registerBin
ding("let",e)},Function(e){e.isFunctionExpression()&&e.has("id")&&!e.get("id").node[o.NOT_LOCAL_BINDING
]&&e.scope.registerBinding("local",e.get("id"),e);const t=e.get("params");for(const r of
t)e.scope.registerBinding("param",r)},ClassExpression(e){e.has("id")&&!e.get("id").node[o.NOT_LOCAL_BINDI
NG]&&e.scope.registerBinding("local",e)};let d=0;class

```

```

h { constructor(e) { const { node: t } = e, r = l.scope.get(t); if ((null == r ? void 0 : r.path) === e) return
r; l.scope.set(t, this), this.uid = d++, this.block = t, this.path = e, this.labels = new Map, this.inited = !1 } get parent() { const
e = this.path.findParent(e => e.isScope()); return null == e ? void 0 : e.scope } get parentBlock() { return this.path.parent } get
hub() { return this.path.hub } traverse(e, t, r) { (0, i.default)(e, t, this, r, this.path) } generateDeclaredUidIdentifier(e) { const
t = this.generateUidIdentifier(e); return this.push({ id: t }), o.cloneNode(t) } generateUidIdentifier(e) { return
o.identifier(this.generateUid(e)) } generateUid(e = "temp") { let t; e = o.toIdentifier(e).replace(/^\_+/, "").replace(/[0-
9]+\$/g, ""); let
r = 1; do { t = this._generateUid(e, r), r++ } while (this.hasLabel(t) || this.hasBinding(t) || this.hasGlobal(t) || this.hasReference(t
)); const n = this.getProgramParent(); return n.references[t] = !0, n.uids[t] = !0, t } _generateUid(e, t) { let r = e; return
t > 1 && (r += t), "_" + r } generateUidBasedOnNode(e, t) { const r = []; !function e(t, r) { switch (null == t ? void
0 : t.type) { default: if (o.isModuleDeclaration(t)) if (t.source) e(t.source, r); else
if (t.specifiers && t.specifiers.length) for (const n of t.specifiers) e(n, r); else t.declaration && e(t.declaration, r); else
o.isModuleSpecifier(t) ? e(t.local, r) : o.isLiteral(t) && r.push(t.value); break; case "MemberExpression": case "OptionalMe
mberExpression": case "JSXMemberExpression": e(t.object, r), e(t.property, r); break; case "Identifier": case "JSXIdentifie
r": r.push(t.name); break; case "CallExpression": case "OptionalCallExpression": case "NewExpression": e(t.callee, r); brea
k; case "ObjectExpression": case "ObjectPattern": for (const n of
t.properties) e(n, r); break; case "SpreadElement": case "RestElement": e(t.argument, r); break; case "ObjectProperty": case "
ObjectMethod": case "ClassProperty": case "ClassMethod": case "ClassPrivateProperty": case "ClassPrivateMethod": e(t.
key, r); break; case "ThisExpression": r.push("this"); break; case "Super": r.push("super"); break; case "Import": r.push("imp
ort"); break; case "DoExpression": r.push("do"); break; case "YieldExpression": r.push("yield"), e(t.argument, r); break; cas
e "AwaitExpression": r.push("await"), e(t.argument, r); break; case "AssignmentExpression": e(t.left, r); break; case "Variab
leDeclarator": e(t.id, r); break; case "FunctionExpression": case "FunctionDeclaration": case "ClassExpression": case "Clas
sDeclaration": case "PrivateName": e(t.id, r); break; case "ParenthesizedExpression": e(t.expression, r); break; case "Unary
Expression": case "UpdateExpression": e(t.argument, r); break; case "MetaProperty": e(t.meta, r), e(t.property, r); break; cas
e "JSXElement": e(t.openingElement, r); break; case "JSXOpeningElement": r.push(t.name); break; case "JSXFragment": e
(t.openingFragment, r); break; case "JSXOpeningFragment": r.push("Fragment"); break; case "JSXNamespacedName": e(
t.namespace, r), e(t.name, r) } (e, r); let n = r.join("$"); return
n = n.replace(/^\_+/, "") || t || "ref", this.generateUid(n.slice(0, 20)) } generateUidIdentifierBasedOnNode(e, t) { return
o.identifier(this.generateUidBasedOnNode(e, t)) } isStatic(e) { if (o.isThisExpression(e) || o.isSuper(e)) return !0; if (o.isIde
ntifier(e)) { const t = this.getBinding(e.name); return
t ? t.constant : this.hasBinding(e.name) } return !1 } maybeGenerateMemoised(e, t) { if (this.isStatic(e)) return null; { const
r = this.generateUidIdentifierBasedOnNode(e); return
t ? r : (this.push({ id: r }), o.cloneNode(r)) } checkBlockScopedCollisions(e, t, r, n) { if ("param" === t) return; if ("local" === e.
kind) return; if ("let" === t || "let" === e.kind || "const" === e.kind || "module" === e.kind || "param" === e.kind && ("let" === t || "c
onst" === t)) throw this.hub.buildError(n, `Duplicate declaration "${r}"`, TypeError) } rename(e, t, r) { const
i = this.getBinding(e); if (i) return t || this.generateUidIdentifier(e).name, new
n.default(i, e, t).rename(r) } _renameFromMap(e, t, r, n) { e[t] && (e[r] = n, e[t] = null) } dump() { const e = "-
.repeat(60); console.log(e); let t = this; do { console.log("#", t.block.type); for (const e of Object.keys(t.bindings)) { const
r = t.bindings[e]; console.log(" -
", e, { constant: r.constant, references: r.references, violations: r.constantViolations.length, kind: r.kind }) } } while (t = t.paren
t); console.log(e) } toArray(e, t, r) { if (o.isIdentifier(e)) { const t = this.getBinding(e.name); if ((null == t ? void
0 : t.constant) && t.path.isGenericType("Array")) return e } if (o.isArrayExpression(e)) return
e; if (o.isIdentifier(e, { name: "arguments" })) return
o.callExpression(o.memberExpression(o.memberExpression(o.memberExpression(o.identifier("Array"), o.identifier("
prototype")), o.identifier("slice")), o.identifier("call")), [e]); let n; const
i = [e]; return !0 === t ? n = "toConsumableArray" : t ? (i.push(o.numericLiteral(t)), n = "slicedToArray") : n = "toArray", r && (i.
unshift(this.hub.addHelper(n)), n = "maybeArrayLike"), o.callExpression(this.hub.addHelper(n), i) } hasLabel(e) { return !
this.getLabel(e) } getLabel(e) { return

```

```

this.labels.get(e)}registerLabel(e){this.labels.set(e.node.label.name,e)}registerDeclaration(e){if(e.isLabeledStatement())this.registerLabel(e);else if(e.isFunctionDeclaration())this.registerBinding("hoisted",e.get("id"),e);else if(e.isVariableDeclaration()){const t=e.get("declarations");for(const r of t)this.registerBinding(e.node.kind,r)}else if(e.isClassDeclaration())this.registerBinding("let",e);else if(e.isImportDeclaration()){const t=e.get("specifiers");for(const e of t)this.registerBinding("module",e)}else if(e.isExportDeclaration()){const t=e.get("declaration");(t.isClassDeclaration()||t.isFunctionDeclaration()||t.isVariableDeclaration())&&this.registerDeclaration(t)}else this.registerBinding("unknown",e)}buildUndefinedNode(){return o.unaryExpression("void",o.numericLiteral(0,!0)}registerConstantViolation(e){const t=e.getBindingIdentifiers();for(const r of Object.keys(t)){const t=this.getBinding(r);t&&t.reassign(e)}registerBinding(e,t,r=t){if(!e)throw new ReferenceError("no `kind`");if(t.isVariableDeclaration()){const r=t.get("declarations");for(const t of r)this.registerBinding(e,t);return}const n=this.getProgramParent(),i=t.getOuterBindingIdentifiers(!0);for(const t of Object.keys(i)){n.references[t]=!0;for(const n of i[t]){const i=this.getOwnBinding(t);if(i){if(i.identifier===n)continue;this.checkBlockScopedCollisions(i,e,t,n)}i?this.registerConstantViolation(r):this.bindings[t]=new s.default({identifier:n,scope:this,path:r,kind:e})}}addGlobal(e){this.globals[e.name]=e}hasUid(e){let t=this;do{if(t.uids[e])return!0}while(t=t.parent);return!1}hasGlobal(e){let t=this;do{if(t.globals[e])return!0}while(t=t.parent);return!1}hasReference(e){return!!this.getProgramParent().references[e]}isPure(e,t){if(o.isIdentifier(e)){const r=this.getBinding(e.name);return!!r&&(t||r.constant)}if(o.isClass(e))return!(e.superClass&&!this.isPure(e.superClass,t))&&this.isPure(e.body,t);if(o.isClassBody(e)){for(const r of e.body)if(!this.isPure(r,t))return!1;return!0}if(o.isBinary(e))return this.isPure(e.left,t)&&this.isPure(e.right,t);if(o.isArrayExpression(e)){for(const r of e.elements)if(!this.isPure(r,t))return!1;return!0}if(o.isObjectExpression(e)){for(const r of e.properties)if(!this.isPure(r,t))return!1;return!0}if(o.isMethod(e))return!(e.computed&&!this.isPure(e.key,t))&&("get"!==e.kind&&"set"===e.kind);if(o.isProperty(e))return!(e.computed&&!this.isPure(e.key,t))&&this.isPure(e.value,t);if(o.isUnaryExpression(e))return this.isPure(e.argument,t);if(o.isTaggedTemplateExpression(e))return o.matchesPattern(e.tag,"String.raw")&&!this.hasBinding("String",!0)&&this.isPure(e.quasi,t);if(o.isTemplateLiteral(e)){for(const r of e.expressions)if(!this.isPure(r,t))return!1;return!0}return o.isPureish(e)}setData(e,t){return this.data[e]=t}getData(e){let t=this;do{const r=t.data[e];if(null!=r)return r}while(t=t.parent)}removeData(e){let t=this;do{null!=t.data[e]&&(t.data[e]=null)}while(t=t.parent)}init(){this.inited||(this.inited=!0,this.crawl())}crawl(){const e=this.path;if(this.references=Object.create(null),this.bindings=Object.create(null),this.globals=Object.create(null),this.uids=Object.create(null),this.data=Object.create(null),e.isFunction()){e.isFunctionExpression()&&e.has("id")&&!e.get("id").node[o.NOT_LOCAL_BINDING]&&this.registerBinding("local",e.get("id"),e);const t=e.get("params");for(const e of t)this.registerBinding("param",e)}const t=this.getProgramParent();if(t.crawling)return;const r={references:[],constantViolations:[],assignments:[]};this.crawling=!0,e.traverse(u,r),this.crawling=!1;for(const e of r.assignments){const r=e.getBindingIdentifiers();for(const n of Object.keys(r))e.scope.getBinding(n)||t.addGlobal(r[n]);e.scope.registerConstantViolation(e)}for(const e of r.references){const r=e.scope.getBinding(e.node.name);r?r.reference(e):t.addGlobal(e.node)}for(const e of r.constantViolations)e.scope.registerConstantViolation(e)}push(e){let t=this.path;t.isBlockStatement()||t.isProgram()||(t=this.getBlockParent().path,t.isSwitchStatement()&&(t=this.getFunctionParent()||this.getProgramParent()).path),(t.isLoop()||t.isCatchClause()||t.isFunction())&&(t.ensureBlock(),t=t.get("body"));const r=e.unique,n=e.kind||"var",i=null===e._blockHoist?2:e._blockHoist,s=`declaration:${n}:${i}`;let a=!r&&t.getData(s);if(!a){const e=o.variableDeclaration(n,[]);e._blockHoist=i,[a]=t.unshiftContainer("body",[e]),r||t.setData(s,a)}const l=o.variableDeclarator(e.id,e.init);a.node.declarations.push(l),this.registerBinding(n,a.get("declarations").pop())}get

```

```

ProgramParent(){let e=this;do{if(e.path.isProgram())return e}while(e=e.parent);throw new Error("Couldn't find a
Program")}}getFunctionParent(){let e=this;do{if(e.path.isFunctionParent())return e}while(e=e.parent);return
null}}getBlockParent(){let e=this;do{if(e.path.isBlockParent())return e}while(e=e.parent);throw new Error("We
couldn't find a BlockStatement, For, Switch, Function, Loop or Program...")}}getAllBindings(){const
e=Object.create(null);let t=this;do{for(const r of Object.keys(t.bindings))r in
e==!1&&(e[r]=t.bindings[r]);t=t.parent}while(t);return e}}getAllBindingsOfKind(){const
e=Object.create(null);for(const t of arguments){let r=this;do{for(const n of Object.keys(r.bindings)){const
i=r.bindings[n];i.kind===t&&(e[n]=i)}r=r.parent}while(r)}return e}}bindingIdentifierEquals(e,t){return
this.getBindingIdentifier(e)===t}}getBinding(e){let t,r=this;do{const i=r.getOwnBinding(e);var
n;if(i)if(!(null==(n=t)?void 0:n.isPattern()))|"param"===i.kind)return
i;t=r.path}while(r=r.parent)}getOwnBinding(e){return this.bindings[e]}getBindingIdentifier(e){var t;return
null==(t=this.getBinding(e))?void 0:t.identifier}}getOwnBindingIdentifier(e){const t=this.bindings[e];return
null==t?void
0:t.identifier}}hasOwnBinding(e){return!!this.getOwnBinding(e)}hasBinding(e,t){return!!e&&(!!this.hasOwnBindin
g(e)||(!this.parentHasBinding(e,t)||(!this.hasUid(e)||(!t||!h.globals.includes(e)||(!t||!h.contextVariables.includes(e)))
)))}}parentHasBinding(e,t){var r;return null==(r=this.parent)?void 0:r.hasBinding(e,t)}moveBindingTo(e,t){const
r=this.getBinding(e);r&&(r.scope.removeOwnBinding(e),r.scope=t,t.bindings[e]=r)}removeOwnBinding(e){delete
this.bindings[e]}removeBinding(e){var t;null==(t=this.getBinding(e)||t.scope.removeOwnBinding(e));let
r=this;do{r.uids[e]&&(r.uids[e]=!1)}while(r=r.parent)}t.default=h,h.globals=Object.keys(a.default.builtin),h.conte
xtVariables=["arguments","undefined","Infinity","NaN"]},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void
0;t.default=class{constructor({identifier:e,scope:t,path:r,kind:n}){this.constantViolations=[],this.constant=!0,this.ref
erencePaths=[],this.referenced=!1,this.references=0,this.identifier=e,this.scope=t,this.path=r,this.kind=n,this.clearVa
lue(){this.clearValue(),this.hasDeoptedValue=!0}setValue(e){this.hasDeoptedValue||(this.hasValue=!
0,this.value=e)}clearValue(){this.hasDeoptedValue=!1,this.hasValue=!1,this.value=null}reassign(e){this.constant=!
1,-1===this.constantViolations.indexOf(e)&&(this.constantViolations.push(e))}reference(e){-
1===this.referencePaths.indexOf(e)&&(this.referenced=!0,this.references++,this.referencePaths.push(e))}dereferen
ce(){this.references--,this.referenced=!this.references}}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const r=e.split(".");return
e=>(0,n.default)(e,r,t)};var n=r(103)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(!(0,n.isMemberExpression)(e))
return!1;const i=Array.isArray(t)?t.split("."),s=[];let
a;for(a=e;(0,n.isMemberExpression)(a);a=a.object)s.push(a.property);if(s.push(a),s.length<i.length)return!1;if(!r&&
s.length>i.length)return!1;for(let e=0,t=s.length-1;e<i.length;e++,t--){const r=s[t];let
a;if((0,n.isIdentifier)(r))a=r.name;else
if((0,n.isStringLiteral)(r))a=r.value;else{if(!(0,n.isThisExpression)(r))return!1;a="this"}if(i[e]!==a)return!1}return!0
};var n=r(1)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(e===t)return!0;const
r=n.PLACEHOLDERS_ALIAS[e];if(r)for(const e of r)if(t===e)return!0;return!1};var n=r(6)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.PLACEHOLDERS_FLIPPED_ALIAS=t.PLACEHOLD
ERS_ALIAS=t.PLACEHOLDERS=void 0;var n=r(10);const
i=["Identifier","StringLiteral","Expression","Statement","Declaration","BlockStatement","ClassBody","Pattern"];t.P
LACEHOLDERS=i;const
s={Declaration:["Statement"],Pattern:["PatternLike","LVal"]};t.PLACEHOLDERS_ALIAS=s;for(const e of
i){const t=n.ALIAS_KEYS[e];null!=t&&t.length&&(s[e]=t)}const
a={};t.PLACEHOLDERS_FLIPPED_ALIAS=a,Object.keys(s).forEach(e=>{s[e].forEach(t=>{Object.hasOwnProp
erty.call(a,t)||(a[t]=[]),a[t].push(e)}))},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return!(e||!n.VISITOR_KEYS[e.type

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e]);var n=r(6)},function(e,t,r){ "use strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function
e(t){const r={ },s={ },a=[],o=[];for(let l=0;l<t.length;l++){const
c=t[l];if(c&&!(o.indexOf(c)>=0)){if((0,n.isAnyTypeAnnotation)(c))return[c];if((0,n.isFlowBaseAnnotation)(c))s[c.t
ype]=c;else if((0,n.isUnionTypeAnnotation)(c))a.indexOf(c.types)<0&&(t=t.concat(c.types),a.push(c.types));else
if((0,n.isGenericTypeAnnotation)(c)){const t=i(c.id);if(r[t]){let
n=r[t];n.typeParameters?c.typeParameters&&(n.typeParameters.params=e(n.typeParameters.params.concat(c.typePa
rameters.params)):n=c.typeParameters}else r[t]=c}else o.push(c) }for(const e of
Object.keys(s))o.push(s[e]);for(const e of Object.keys(r))o.push(r[e]);return o};var n=r(1);function
i(e){return(0,n.isIdentifier)(e)?e.name:`${e.id.name}.${i(e.qualification)}`},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t,r){if(!r||!e)return e;const
n=t+"Comments";e[n]?e[n]="leading"===t?r.concat(e[n]):e[n].concat(r):e[n]=r;return e },function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t){(0,n.default)("innerComments",e,t)
};var n=r(58)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t){(0,n.default)("leadingComments",e
,t)};var n=r(58)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t){return(0,n.default)(e,t),(0,i.default)
(e,t),(0,s.default)(e,t),e};var n=r(112),i=r(110),s=r(109)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t){(0,n.default)("trailingComments",e
,t)};var n=r(58)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t){if((0,n.isBlockStatement)(e))return
e;let
r=[];(0,n.isEmptyStatement)(e)?r=[]:((0,n.isStatement)(e)||e=(0,n.isFunction)(t)?(0,i.returnStatement)(e):(0,i.expres
sionStatement)(e)),r=[e];return(0,i.blockStatement)(r)};var n=r(1),i=r(3)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e){e+="";let t="";for(const r of
e)t+=(0,i.isIdentifierChar)(r.codePointAt(0))?r:"-";t=t.replace(/^[^0-9]+/, ""),t=t.replace(/[-
\s]+(?:/g,(function(e,t){return t?t.toUpperCase():""})),(0,n.default)(t)||t)+"_";return t||"_";var
n=r(24),i=r(19)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t){return(0,n.default)(e,i.default,t),e};
var n=r(116),i=r(117)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function e(t,r,i){if(!t)return;const
s=n.VISITOR_KEYS[t.type];if(!s)return;r(t,i=i|| {});for(const n of s){const s=t[n];if(Array.isArray(s))for(const t of
s)e(t,r,i);else e(s,r,i) };var n=r(6)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e,t={ }){const
r=t.preserveComments?i:s;for(const t of r)null!=e[t]&&(e[t]=void 0);for(const t of
Object.keys(e)) "_===t[0]&&null!=e[t]&&(e[t]=void 0);const n=Object.getOwnPropertySymbols(e);for(const t of
n)e[t]=null};var n=r(15);const
i=["tokens","start","end","loc","raw","rawValue"],s=n.COMMENT_KEYS.concat(["comments"]).concat(i)},functio
n(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.default=function(e){return(0,n.isVariableDeclaration)(e)
&&("var"!==e.kind||e[i.BLOCK_SCOPED_SYMBOL])};var n=r(1),i=r(15)},function(e,t,r){var
n=r(120),i=r(25),s=r(121).ArraySet,a=r(318).MappingList;function
o(e){e||(e={}),this._file=i.getArg(e,"file",null),this._sourceRoot=i.getArg(e,"sourceRoot",null),this._skipValidation
=i.getArg(e,"skipValidation",!1),this._sources=new s,this._names=new s,this._mappings=new
a,this._sourcesContents=null}o.prototype._version=3,o.fromSourceMap=function(e){var t=e.sourceRoot,r=new
o({file:e.file,sourceRoot:t});return e.eachMapping((function(e){var
n={generated:{line:e.generatedLine,column:e.generatedColumn };null!=e.source&&(n.source=e.source,null!=t&&(
n.source=i.relative(t,n.source)),n.original={line:e.originalLine,column:e.originalColumn },null!=e.name&&(n.name
=e.name)),r.addMapping(n)})),e.sources.forEach((function(t){var

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n=e.sourceContentFor(t);null!=n&&r.setSourceContent(t,n))),r},o.prototype.addMapping=function(e){ var
t=i.getArg(e,"generated"),r=i.getArg(e,"original",null),n=i.getArg(e,"source",null),s=i.getArg(e,"name",null);this._s
kipValidation||this._validateMapping(t,r,n,s),null!=n&&(n=String(n),this._sources.has(n)||this._sources.add(n)),null!
=s&&(s=String(s),this._names.has(s)||this._names.add(s)),this._mappings.add({ generatedLine:t.line,generatedColu
mn:t.column,originalLine:null!=r&&r.line,originalColumn:null!=r&&r.column,source:n,name:s}),o.prototype.setS
ourceContent=function(e,t){ var
r=e;null!=this._sourceRoot&&(r=i.relative(this._sourceRoot,r)),null!=t?(this._sourcesContents||(this._sourcesConten
ts=Object.create(null)),this._sourcesContents[i.toSetString(r)]=t):this._sourcesContents&&(delete
this._sourcesContents[i.toSetString(r)],0===Object.keys(this._sourcesContents).length&&(this._sourcesContents=n
ull)),o.prototype.applySourceMap=function(e,t,r){ var n=t;if(null==t){ if(null==e.file)throw new
Error('SourceMapGenerator.prototype.applySourceMap requires either an explicit source file, or the source map\'s
"file" property. Both were omitted. ');n=e.file}var a=this._sourceRoot;null!=a&&(n=i.relative(a,n));var o=new
s,l=new s;this._mappings.unsortedForEach((function(t){ if(t.source===n&&null!=t.originalLine){ var
s=e.originalPositionFor({ line:t.originalLine,column:t.originalColumn });null!=s.source&&(t.source=s.source,null!=r
&&(t.source=i.join(r,t.source)),null!=a&&(t.source=i.relative(a,t.source)),t.originalLine=s.line,t.originalColumn=s.c
olumn,null!=s.name&&(t.name=s.name))} var c=t.source;null==c||o.has(c)||o.add(c);var
p=t.name;null==p||l.has(p)||l.add(p)},this),this._sources=o,this._names=l,e.sources.forEach((function(t){ var
n=e.sourceContentFor(t);null!=n&&(null!=r&&(t=i.join(r,t)),null!=a&&(t=i.relative(a,t)),this.setSourceContent(t,n
)),this)},o.prototype._validateMapping=function(e,t,r,n){ if(t&&"number"!=typeof t.line&&"number"!=typeof
t.column)throw new Error("original.line and original.column are not numbers -- you probably meant to omit the
original mapping entirely and only map the generated position. If so, pass null for the original mapping instead of an
object with empty or null values.");if(!(e&&"line" in e&&"column" in
e&&e.line>0&&e.column>=0)||t||r||n)&&!(e&&"line" in e&&"column" in e&&t&&"line" in t&&"column" in
t&&e.line>0&&e.column>=0&&t.line>0&&t.column>=0&&r))throw new Error("Invalid mapping:
"+JSON.stringify({ generated:e,source:r,original:t,name:n})),o.prototype._serializeMappings=function(){ for(var
e,t,r,s,a=0,o=1,l=0,c=0,p=0,u=0,d="",h=this._mappings.toArray(),f=0,m=h.length;f<m;f++){ if(e="",(t=h[f]).generat
edLine!=o)for(a=0;t.generatedLine!=o;e+=";",o++);else if(f>0){ if(!i.compareByGeneratedPositionsInflated(t,h[f-
1]))continue;e+="," }e+=n.encode(t.generatedColumn-
a),a=t.generatedColumn,null!=t.source&&(s=this._sources.indexOf(t.source),e+=n.encode(s-
u),u=s,e+=n.encode(t.originalLine-1-c),c=t.originalLine-1,e+=n.encode(t.originalColumn-
l),l=t.originalColumn,null!=t.name&&(r=this._names.indexOf(t.name),e+=n.encode(r-p),p=r),d+=e}return
d},o.prototype._generateSourcesContent=function(e,t){ return e.map((function(e){ if(!this._sourcesContents)return
null;null!=t&&(e=i.relative(t,e));var r=i.toSetString(e);return
Object.prototype.hasOwnProperty.call(this._sourcesContents,r)?this._sourcesContents[r]:null}),this)},o.prototype.to
JSON=function(){ var
e={ version:this._version,sources:this._sources.toArray(),names:this._names.toArray(),mappings:this._serializeMapp
ings()};return
null!=this._file&&(e.file=this._file),null!=this._sourceRoot&&(e.sourceRoot=this._sourceRoot),this._sourcesConte
nts&&(e.sourcesContent=this._generateSourcesContent(e.sources,e.sourceRoot)),e},o.prototype.toString=function()
{ return JSON.stringify(this.toJSON()),t.SourceMapGenerator=o},function(e,t,r){ var
n=r(317);t.encode=function(e){ var t,r="",i=function(e){ return e<0?1+(-
e<<1):0+(e<<1)}(e);do{ t=31&i,(i>>=5)>0&&(t|=32),r+=n.encode(t)} while(i>0);return
r},t.decode=function(e,t,r){ var i,s,a,o,l=e.length,c=0,p=0;do{ if(t>=l)throw new Error("Expected more digits in base
64 VLQ value.");if(-1===s=n.decode(e.charCodeAt(t++)))throw new Error("Invalid base64 digit: "+e.charAt(t-
1));i=!(32&s),c+=(s&=31)<<p,p+=5} while(i);r.value=(o=(a=c)>>1,1==(1&a)?-o:o),r.rest=t}},function(e,t,r){ var
n=r(25),i=Object.prototype.hasOwnProperty,s="undefined"!=typeof Map;function
a(){ this._array=[],this._set=s?new Map:Object.create(null)}a.fromArray=function(e,t){ for(var r=new
a,n=0,i=e.length;n<i;n++)r.add(e[n],t);return r},a.prototype.size=function(){ return

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s?this._set.size:Object.getOwnPropertyNames(this._set).length},a.prototype.add=function(e,t){var
r=s?e.n.toSetString(e),a=s?this.has(e):i.call(this._set,r),o=this._array.length;a&&t!|this._array.push(e),a||s?this._set.
set(e,o):this._set[r]=o},a.prototype.has=function(e){if(s)return this._set.has(e);var t=n.toSetString(e);return
i.call(this._set,t)},a.prototype.indexOf=function(e){if(s){var t=this._set.get(e);if(t>=0)return t}else{var
r=n.toSetString(e);if(i.call(this._set,r))return this._set[r]}throw new Error("'+e+' is not in the
set."),a.prototype.at=function(e){if(e>=0&&e<this._array.length)return this._array[e];throw new Error("No element
indexed by "+e)},a.prototype.toArray=function(){return this._array.slice()},t.ArraySet=a,function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.needsWhitespace=h,t.needsWhitespaceBefore=function(
e,t){return h(e,t,"before")},t.needsWhitespaceAfter=function(e,t){return
h(e,t,"after")},t.needsParens=function(e,t,r){if(!t)return!1;if(s.isNewExpression(t)&&t.callee===e&&function
e(t){if(s.isCallExpression(t))return!0;return s.isMemberExpression(t)&&e(t.object)}(e))return!0;return
d(c,e,t,r)};var n=o(r(325)),i=o(r(326)),s=o(r(0));function a(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return a=function(){return e},e}function o(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=a();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}return
r.default=e,t&&t.set(e,r,r)}function l(e){const t={};function r(e,r){const n=t[e];t[e]=n?function(e,t,i){const
s=n(e,t,i);return null===s?r(e,t,i):s}:r}for(const t of Object.keys(e)){const
n=s.FLIPPED_ALIAS_KEYS[t];if(n)for(const i of n)r(i,e[t]);else r(t,e[t])}return t}const
c=l(i),p=l(n.nodes),u=l(n.list);function d(e,t,r,n){const i=e[t.type];return i?i(t,r,n):null}function h(e,t,r){if(!e)return
0;s.isExpressionStatement(e)&&(e=e.expression);let n=d(p,e,t);if(!n){const i=d(u,e,t);if(i)for(let
t=0;t<i.length&&(n=h(i[t],e,r),!n);t++);}return"object"===typeof n&&null!==n&&n[r]||0},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.ImportSpecifier=function(e){"type"!==e.importKind&&
"typeof"!==e.importKind||(this.word(e.importKind),this.space());this.print(e.imported,e),e.local&&e.local.name!==e
.imported.name&&(this.space(),this.word("as"),this.space(),this.print(e.local,e))},t.ImportDefaultSpecifier=function
(e){this.print(e.local,e)},t.ExportDefaultSpecifier=function(e){this.print(e.exported,e)},t.ExportSpecifier=function(e
){this.print(e.local,e),e.exported&&e.local.name!==e.exported.name&&(this.space(),this.word("as"),this.space(),thi
s.print(e.exported,e))},t.ExportNamespaceSpecifier=function(e){this.token("*"),this.space(),this.word("as"),this.spa
ce(),this.print(e.exported,e)},t.ExportAllDeclaration=function(e){this.word("export"),this.space(),"type"===e.export
Kind&&(this.word("type"),this.space());this.token("*"),this.space(),this.word("from"),this.space(),this.print(e.source
,e),this.printAssertions(e),this.semicolon(),t.ExportNamedDeclaration=function(e){this.format.decoratorsBeforeEx
port&&n.isClassDeclaration(e.declaration)&&this.printJoin(e.declaration.decorators,e);this.word("export"),this.spac
e(),s.apply(this,arguments)},t.ExportDefaultDeclaration=function(e){this.format.decoratorsBeforeExport&&n.isCla
ssDeclaration(e.declaration)&&this.printJoin(e.declaration.decorators,e);this.word("export"),this.space(),this.word("
default"),this.space(),s.apply(this,arguments)},t.ImportDeclaration=function(e){var
t;this.word("import"),this.space(),"type"===e.importKind||"typeof"===e.importKind&&(this.word(e.importKind),
this.space());const r=e.specifiers.slice(0);if(null===r?void 0:r.length){for(;;){const
t=r[0];if(!n.isImportDefaultSpecifier(t)&&!n.isImportNamespaceSpecifier(t))break;this.print(r.shift(),e),r.length&&
(this.token(", "),this.space())}r.length&&(this.token(" "),this.space(),this.printList(r,e),this.space(),this.token("
")),th
is.space(),this.word("from"),this.space()}this.print(e.source,e),this.printAssertions(e),(null==(t=e.attributes)?void
0:t.length)&&(this.space(),this.word("with"),this.space(),this.printList(e.attributes,e));this.semicolon(),t.ImportAttr
ibute=function(e){this.print(e.key),this.token(":"),this.space(),this.print(e.value)},t.ImportNamespaceSpecifier=func
tion(e){this.token("*"),this.space(),this.word("as"),this.space(),this.print(e.local,e)};var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var

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a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e){if(e.declaration){const
t=e.declaration;this.print(t,e),n.isStatement(t)||this.semicolon()}else{"type"===e.exportKind&&(this.word("type"),t
his.space());const t=e.specifiers.slice(0);let r=!1;for(;;){const
i=t[0];if(!n.isExportDefaultSpecifier(i)&&!n.isExportNamespaceSpecifier(i))break;r=!0,this.print(t.shift(),e),t.length
&&(this.token(", "),this.space())(t.length||t.length&&!r)&&(this.token("{ "),t.length&&(this.space(),this.printList(t,
e),this.space()),this.token("}")),e.source&&(this.space(),this.word("from"),this.space(),this.print(e.source,e),this.pri
ntAssertions(e),this.semicolon())}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.Identifier=function(e){this.exactSource(e.loc,()=>{this.w
ord(e.name)})},t.ArgumentPlaceholder=function(){this.token("?")},t.SpreadElement=t.RestElement=function(e){thi
s.token("..."),this.print(e.argument,e)},t.ObjectPattern=t.ObjectExpression=function(e){const
t=e.properties;this.token("{ "),this.printInnerComments(e),t.length&&(this.space(),this.printList(t,e,{indent:!0,statem
ent:!0}),this.space());this.token("}"),t.ObjectMethod=function(e){this.printJoin(e.decorators,e),this._methodHead(e
),this.space(),this.print(e.body,e)},t.ObjectProperty=function(e){if(this.printJoin(e.decorators,e),e.computed)this.tok
en("[ "),this.print(e.key,e),this.token("]");else{if(i.isAssignmentPattern(e.value)&&i.isIdentifier(e.key)&&e.key.name
===e.value.left.name)return void
this.print(e.value,e);if(this.print(e.key,e),e.shorthand&&i.isIdentifier(e.key)&&i.isIdentifier(e.value)&&e.key.name
===e.value.name)return}this.token(":"),this.space(),this.print(e.value,e)},t.ArrayPattern=t.ArrayExpression=functio
n(e){const t=e.elements,r=t.length;this.token("[ "),this.printInnerComments(e);for(let n=0;n<t.length;n++){const
i=t[n];i?(n>0&&this.space(),this.print(i,e),n<r-
1&&this.token(", ")):this.token(", ")}this.token("]"),t.RecordExpression=function(e){const t=e.properties;let
r,n;if("bar"===this.format.recordAndTupleSyntaxType)r="#{"n="}";else{if("hash"===this.format.recordAndTuple
SyntaxType)throw new Error("The \"recordAndTupleSyntaxType\" generator option must be \"bar\" or \"hash\"
($JSON.stringify(this.format.recordAndTupleSyntaxType))
received).";r="#{"n="}"}this.token(r),this.printInnerComments(e),t.length&&(this.space(),this.printList(t,e,{indent
:!0,statement:!0}),this.space());this.token(n)},t.TupleExpression=function(e){const t=e.elements,r=t.length;let
n,i;if("bar"===this.format.recordAndTupleSyntaxType)n="["i="]";else{if("hash"===this.format.recordAndTupleS
yntaxType)throw new Error(this.format.recordAndTupleSyntaxType+" is not a valid recordAndTuple syntax
type");n="#["i="]"}this.token(n),this.printInnerComments(e);for(let n=0;n<t.length;n++){const
i=t[n];i&&(n>0&&this.space(),this.print(i,e),n<r-
1&&this.token(", ")}this.token(i)},t.RegExpLiteral=function(e){this.word(`/${e.pattern}/${e.flags}`)},t.BooleanLit
eral=function(e){this.word(e.value?"true":"false")},t.NullLiteral=function(){this.word("null")},t.NumericLiteral=fun
ction(e){const
t=this.getPossibleRaw(e),r=this.format.jsescOption,n=e.value+"";r.numbers?this.number((0,s.default)(e.value,r)):nul
l===t?this.number(n):this.format.minified?this.number(t.length<n.length?t:n):this.number(t)},t.StringLiteral=function
(e){const t=this.getPossibleRaw(e);if(!this.format.minified&&null!=t)return void this.token(t);const
r=this.format.jsescOption;this.format.jsonCompatibleStrings&&(r.json=!0);const n=(0,s.default)(e.value,r);return
this.token(n)},t.BigIntLiteral=function(e){const t=this.getPossibleRaw(e);if(!this.format.minified&&null!=t)return
void this.token(t);this.token(e.value+"n")},t.DecimalLiteral=function(e){const
t=this.getPossibleRaw(e);if(!this.format.minified&&null!=t)return void
this.token(t);this.token(e.value+"m")},t.PipelineTopicExpression=function(e){this.print(e.expression,e)},t.PipelineB
areFunction=function(e){this.print(e.callee,e)},t.PipelinePrimaryTopicReference=function(){this.token("#")};var
n,i=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=a();if(t&&t.has(e))return t.get(e);var
r={ },n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t

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&&.set(e,r);return r}(r(0)),s=(n-r(333))&&n.__esModule?{default:n};function a(){if("function"!==typeof
WeakMap)return null;var e=new WeakMap;return a=function(){return e},e},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.codeFrameColumns=o,t.default=function(e,t,r,n={}){if(!
s){s=!0;const e="Passing lineNumber and colNumber is deprecated to @babel/code-frame. Please use
`codeFrameColumns`.";if(process.emitWarning)process.emitWarning(e,"DeprecationWarning");else{new
Error(e).name="DeprecationWarning",console.warn(new Error(e))}}r=Math.max(r,0);return
o(e,{start:{column:r,line:t},n});var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,&&.set(e,r);return r}(r(343));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}let s=!1;const a=/\r\n|\n\r|\u2028|\u2029/;function o(e,t,r={}){const
i=(r.highlightCode||r.forceColor)&&(0,n.shouldHighlight)(r),s=(0,n.getChalk)(r),o=function(e){return{gutter:e.grey,
marker:e.red.bold,message:e.red.bold}}(s),l=(e,t)=>i?e(t):t,c=e.split(a),{start:p,end:u,markerLines:d}=function(e,t,r)
{const n=Object.assign({column:0,line:-
1},e.start),i=Object.assign({},n,e.end),{linesAbove:s=2,linesBelow:a=3}=r||{};o=n.line,l=n.column,c=i.line,p=i.colu
mn;let u=Math.max(o-(s+1),0),d=Math.min(t.length,c+a);-1===o&&(u=0),-1===c&&(d=t.length);const h=c-
o,f={};if(h)for(let e=0;e<=h;e++){const r=e+o;if(1)if(0===e){const e=t[r-1].length;f[r]=[e,e-1+1]}else
if(e===h)f[r]=[0,p];else{const n=t[r-e].length;f[r]=[0,n]}else f[r]=!0}f[o]=l===p?!l||[1,0]:[l,p-
1];return{start:u,end:d,markerLines:f}}(t,c,r),h=t.start&&"number"===typeof t.start.column,f=String(u).length;let
m=(i?(0,n.default)(e,r):e).split(a).slice(p,u).map((e,t)=>{const n=p+1+t,i=` ${" "+n}.slice(-f)
`,s=d[n],a=!d[n+1];if(s){let t="";if(Array.isArray(s)){const n=e.slice(0,Math.max(s[0]-1,0)).replace(/[\^t]/g,"
"),c=s[1]||1;t=["n ",l(o.gutter,i.replace(/\d/g," ")), " ",n,l(o.marker,"^").repeat(c)].join(""),a&&r.message&&(t+=
"+l(o.message,r.message))}return[l(o.marker,">"),l(o.gutter,i),e.length>0?" "+e:""].join("")}return`
${l(o.gutter,i)}${e.length>0?" "+e:""}`}).join("\n");return r.message&&!h&&(m=` $ "
".repeat(f+1))$ ${r.message}$\n${m}`),i?s.reset(m):m}},function(e,t,r){var n=r(349),i={};for(var s in
n)n.hasOwnProperty(s)&&(i[n[s]]=s);var
a=e.exports={rgb:{channels:3,labels:"rgb"},hsl:{channels:3,labels:"hsl"},hsv:{channels:3,labels:"hsv"},hwb:{chann
els:3,labels:"hwb"},cmyk:{channels:4,labels:"cmyk"},xyz:{channels:3,labels:"xyz"},lab:{channels:3,labels:"lab"},l
ch:{channels:3,labels:"lch"},hex:{channels:1,labels:["hex"]},keyword:{channels:1,labels:["keyword"]},ansi16:{cha
nnels:1,labels:["ansi16"]},ansi256:{channels:1,labels:["ansi256"]},hcg:{channels:3,labels:["h","c","g"]},apple:{cha
nnels:3,labels:["r16","g16","b16"]},gray:{channels:1,labels:["gray"]}};for(var o in
a)if(a.hasOwnProperty(o)){if(!("channels"in a[o]))throw new Error("missing channels property: "+o);if(!("labels"in
a[o]))throw new Error("missing channel labels property: "+o);if(a[o].labels.length!===a[o].channels)throw new
Error("channel and label counts mismatch: "+o);var l=a[o].channels,c=a[o].labels;delete a[o].channels,delete
a[o].labels,Object.defineProperty(a[o],"channels",{value:l}),Object.defineProperty(a[o],"labels",{value:c})}a.rgb.hs
l=function(e){var t,r,n=e[0]/255,i=e[1]/255,s=e[2]/255,a=Math.min(n,i,s),o=Math.max(n,i,s),l=o-a;return
o===a?t=0:n===o?t=(i-s)/l:i===o?t=2+(s-n)/l:s===o&&(t=4+(n-
i)/l),(t=Math.min(60*t,360))<0&&(t+=360),r=(a+o)/2,[t,100*(o===a?0:r<=.5?l/(o+a):l/(2-o-
a)),100*r]},a.rgb.hsv=function(e){var t,r,n,i,s,a=e[0]/255,o=e[1]/255,l=e[2]/255,c=Math.max(a,o,l),p=c-
Math.min(a,o,l),u=function(e){return(c-e)/6/p+.5};return 0===p?i=s=0:(s=p/c,t=u(a),r=u(o),n=u(l),a===c?i=n-
r:o===c?i=1/3+t-n:l===c&&(i=2/3+r-t),i<0?i+=1:i>1&&(i=1)),[360*i,100*s,100*c]},a.rgb.hwb=function(e){var
t=e[0],r=e[1],n=e[2];return[a.rgb.hsl(e)[0],100*(1/255*Math.min(t,Math.min(r,n))),100*(n=1-
1/255*Math.max(t,Math.max(r,n)))]},a.rgb.cmyk=function(e){var
t,r=e[0]/255,n=e[1]/255,i=e[2]/255;return[100*((1-r-(t=Math.min(1-r,1-n,1-i)))/(1-t)||0),100*((1-n-t)/(1-
t)||0),100*((1-i-t)/(1-t)||0),100*t]},a.rgb.keyword=function(e){var t=i[e];if(t)return t;var r,s,a,o=1/0;for(var l in
n)if(n.hasOwnProperty(l)){var c=n[l],p=(s=e,a=c,Math.pow(s[0]-a[0],2)+Math.pow(s[1]-a[1],2)+Math.pow(s[2]-

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a[2,2]);p<o&&(o=p,r=1)}return r},a.keyword.rgb=function(e){return n[e]},a.rgb.xyz=function(e){var
t=e[0]/255,r=e[1]/255,n=e[2]/255;return[100*(.4124*(t>.04045?Math.pow((t+.055)/1.055,2.4):t/12.92)+.3576*(r=
r>.04045?Math.pow((r+.055)/1.055,2.4):r/12.92)+.1805*(n>.04045?Math.pow((n+.055)/1.055,2.4):n/12.92)),100
*(.2126*t+.7152*r+.0722*n),100*(.0193*t+.1192*r+.9505*n)]},a.rgb.lab=function(e){var
t=a.rgb.xyz(e),r=t[0],n=t[1],i=t[2];return
n/=100,i/=108.883,r=(r/=95.047)>.008856?Math.pow(r,1/3):7.787*r+16/116,[116*(n>.008856?Math.pow(n,1/3):
7.787*n+16/116)-16,500*(r-n),200*(n-(i>.008856?Math.pow(i,1/3):7.787*i+16/116))]},a.hsl.rgb=function(e){var
t,r,n,i,s,a=e[0]/360,o=e[1]/100,l=e[2]/100;if(0===o)return[s=255*l,s,s];t=2*(r=1-(r<.5?1*(1+o):1+o-
l*o)),i=[0,0,0];for(var c=0;c<3;c++)(n=a+1/3*(c-1))<0&&n++,n>1&&n--,s=6*n<1?t+6*(r-
t)*n:2*n<1?r:3*n<2?t+(r-t)*(2/3-n)*6:t,i[c]=255*s;return i},a.hsl.hsv=function(e){var
t=e[0],r=e[1]/100,n=e[2]/100,i=r,s=Math.max(n,.01);return r*(n*=2)<=1?n:2-n,i*s<=1?s:2-
s,[t,100*(0===n?2*i/(s+i):2*r/(n+r)),100*((n+r)/2)]},a.hsv.rgb=function(e){var
t=e[0]/60,r=e[1]/100,n=e[2]/100,i=Math.floor(t)%6,s=t-Math.floor(t),a=255*n*(1-r),o=255*n*(1-r*s),l=255*n*(1-
r*(1-s));switch(n*=255,i){case 0:return[n,l,a];case 1:return[o,n,a];case 2:return[a,n,l];case 3:return[a,o,n];case
4:return[l,a,n];case 5:return[n,a,o] },a.hsv.hsl=function(e){var
t,r,n,i,e[0],s=e[1]/100,a=e[2]/100,o=Math.max(a,.01);return n=(2-s)*a,r=s*o,[i,100*(r=(r/(t=(2-s)*o)<=1?t:2-
t)|0),100*(n/=2)]},a.hwb.rgb=function(e){var
t,r,n,i,s,a,o,l=e[0]/360,c=e[1]/100,p=e[2]/100,u=c+p;switch(u>1&&(c/=u,p/=u),n=6*1-
(t=Math.floor(6*t)),0!=(1&t)&&(n=1-n),i=c+n*((r=1-p)-c),t){default:case 6:case 0:s=r,a=i,o=c;break;case
1:s=i,a=r,o=c;break;case 2:s=c,a=r,o=i;break;case 3:s=c,a=i,o=r;break;case 4:s=i,a=c,o=r;break;case
5:s=r,a=c,o=i}return[255*s,255*a,255*o]},a.cmyk.rgb=function(e){var
t=e[0]/100,r=e[1]/100,n=e[2]/100,i=e[3]/100;return[255*(1-Math.min(1,t*(1-i)+i)),255*(1-Math.min(1,r*(1-
i)+i)),255*(1-Math.min(1,n*(1-i)+i))]},a.xyz.rgb=function(e){var t,r,n,i=e[0]/100,s=e[1]/100,a=e[2]/100;return r=-
.9689*i+1.8758*s+.0415*a,n=.0557*i+-.204*s+1.057*a,t=(t=3.2406*i+-1.5372*s+-
.4986*a)>.0031308?1.055*Math.pow(t,1/2.4)-.055:12.92*t,r=r>.0031308?1.055*Math.pow(r,1/2.4)-
.055:12.92*r,n=n>.0031308?1.055*Math.pow(n,1/2.4)-
.055:12.92*n,[255*(t=Math.min(Math.max(0,t),1)),255*(r=Math.min(Math.max(0,r),1)),255*(n=Math.min(Math.m
ax(0,n),1))]},a.xyz.lab=function(e){var t=e[0],r=e[1],n=e[2];return
r/=100,n/=108.883,t=(t/=95.047)>.008856?Math.pow(t,1/3):7.787*t+16/116,[116*(r>.008856?Math.pow(r,1/3):7.
787*r+16/116)-16,500*(t-r),200*(r-(n>.008856?Math.pow(n,1/3):7.787*n+16/116))]},a.lab.xyz=function(e){var
t,r,n,i=e[0];t=e[1]/500+(r=(i+16)/116),n=r-e[2]/200;var s=Math.pow(r,3),a=Math.pow(t,3),o=Math.pow(n,3);return
r=s>.008856?s:(r-16/116)/7.787,t=a>.008856?a:(t-16/116)/7.787,n=o>.008856?o:(n-
16/116)/7.787,[t*=95.047,r*=100,n*=108.883]},a.lab.lch=function(e){var
t,r=e[0],n=e[1],i=e[2];return(t=360*Math.atan2(i,n)/Math.PI)<0&&(t+=360),[r,Math.sqrt(n*n+i*i),t]},a.lch.lab=fu
nction(e){var t,r=e[0],n=e[1];return
t=e[2]/360*2*Math.PI,[r*n*Math.cos(t),n*Math.sin(t)]},a.rgb.ansi16=function(e){var t=e[0],r=e[1],n=e[2],i=1 in
arguments?arguments[1]:a.rgb.hsv(e)[2];if(0===(i=Math.round(i/50)))return 30;var
s=30+(Math.round(n/255)<<2|Math.round(r/255)<<1|Math.round(t/255));return
2===i&&(s+=60),s},a.hsv.ansi16=function(e){return a.rgb.ansi16(a.rgb.hsv(e),e[2])},a.rgb.ansi256=function(e){var
t=e[0],r=e[1],n=e[2];return t===r&&r===n?t<8?16:t>248?231:Math.round((t-
8)/247*24)+232:16+36*Math.round(t/255*5)+6*Math.round(r/255*5)+Math.round(n/255*5)},a.ansi16.rgb=functio
n(e){var t=e%10;if(0===t||7===t)return e>50&&(t+=3.5),[t=t/10.5*255,t,t];var
r=.5*(1+~~(e>50));return[(1&t)*r*255,(t>>1&1)*r*255,(t>>2&1)*r*255]},a.ansi256.rgb=function(e){if(e>=232){
var t=10*(e-232)+8;return[t,t,t]}var r;return e-
=16,[Math.floor(e/36)/5*255,Math.floor((r=e%36)/6)/5*255,r%6/5*255]},a.rgb.hex=function(e){var
t=(((255&Math.round(e[0]))<<16)+((255&Math.round(e[1]))<<8)+(255&Math.round(e[2]))).toString(16).toUpperCase
ase();return"000000".substring(t.length)+t},a.hex.rgb=function(e){var t=e.toString(16).match(/[a-f0-9]{6}|[a-f0-
9]{3}/i);if(!t)return[0,0,0];var r=t[0];3===t[0].length&&(r=r.split("").map((function(e){return e+e})).join(""));var

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n=parseInt(r,16);return[n>>16&255,n>>8&255,255&n]},a.rgb.hcg=function(e){var
t,r=e[0]/255,n=e[1]/255,i=e[2]/255,s=Math.max(Math.max(r,n),i),a=Math.min(Math.min(r,n),i),o=s-a;return
t=0<=0?0:s===r?(n-i)/o%6:s===n?2+(i-r)/o:4+(r-n)/o+4,t/=6,[360*(t%=1),100*o,100*(o<1?a/(1-
o):0)]},a.hsl.hcg=function(e){var t=e[1]/100,r=e[2]/100,n=1,i=0;return(n=r<.5?2*t*r:2*t*(1-r))<1&&(i=(r-.5*n)/(1-
n)),[e[0],100*n,100*i]},a.hsv.hcg=function(e){var t=e[1]/100,r=e[2]/100,n=t*r,i=0;return n<1&&(i=(r-n)/(1-
n)),[e[0],100*n,100*i]},a.hcg.rgb=function(e){var
t=e[0]/360,r=e[1]/100,n=e[2]/100;if(0===r)return[255*n,255*n,255*n];var i,s=[0,0,0],a=t%1*6,o=a%1,l=1-
o;switch(Math.floor(a)){case 0:s[0]=1,s[1]=o,s[2]=0;break;case 1:s[0]=1,s[1]=1,s[2]=0;break;case
2:s[0]=0,s[1]=1,s[2]=o;break;case 3:s[0]=0,s[1]=1,s[2]=1;break;case
4:s[0]=o,s[1]=0,s[2]=1;break;default:s[0]=1,s[1]=0,s[2]=1}return i=(1-
r)*n,[255*(r*s[0]+i),255*(r*s[1]+i),255*(r*s[2]+i)]},a.hcg.hsv=function(e){var t=e[1]/100,r=t+e[2]/100*(1-
t),n=0;return r>0&&(n=t/r),[e[0],100*n,100*r]},a.hcg.hsl=function(e){var t=e[1]/100,r=e[2]/100*(1-
t)+.5*t,n=0;return r>0&&r<.5?n=t/(2*r):r>=.5&&r<1&&(n=t/(2*(1-
r))),[e[0],100*n,100*r]},a.hcg.hwb=function(e){var t=e[1]/100,r=t+e[2]/100*(1-t);return[e[0],100*(r-t),100*(1-
r)]},a.hwb.hcg=function(e){var t=e[1]/100,r=1-e[2]/100,n=r-t,i=0;return n<1&&(i=(r-n)/(1-
n)),[e[0],100*n,100*i]},a.apple.rgb=function(e){return[e[0]/65535*255,e[1]/65535*255,e[2]/65535*255]},a.rgb.app
le=function(e){return[e[0]/255*65535,e[1]/255*65535,e[2]/255*65535]},a.gray.rgb=function(e){return[e[0]/100*2
55,e[0]/100*255,e[0]/100*255]},a.gray.hsl=a.gray.hsv=function(e){return[0,0,e[0]]},a.gray.hwb=function(e){return
[0,100,e[0]]},a.gray.cmyk=function(e){return[0,0,0,e[0]]},a.gray.lab=function(e){return[e[0],0,0]},a.gray.hex=funct
ion(e){var
t=255&Math.round(e[0]/100*255),r=((t<<16)+(t<<8)+t).toString(16).toUpperCase();return"000000".substring(r.len
gth)+r},a.rgb.gray=function(e){return[(e[0]+e[1]+e[2])/3/255*100]}},function(e,t,r){use
strict";Object.defineProperty(t, "__esModule", { value: !0 });t.default=function(e,t,r){const {placeholderWhitelist:a,plac
eholderPattern:o,preserveComments:c,syntacticPlaceholders:p}=r,u=function(e,t,r){const
n=(t.plugins||[]).slice();!1!==r&&n.push("placeholders");t=Object.assign({ allowReturnOutsideFunction:!0,allowSup
erOutsideMethod:!0,sourceType:"module"},t,{plugins:n});try{return(0,i.parse)(e,t)}catch(t){const r=t.loc;throw
r&&(t.message+="\n"+(o,s.codeFrameColumns)(e,{start:r}),t.code="BABEL_TEMPLATE_PARSE_ERROR"),t}}
(t,r.parser,p);n.removePropertiesDeep(u,{preserveComments:c}),e.validate(u);const
d={placeholders:[],placeholderNames:new Set},h={placeholders:[],placeholderNames:new Set},f={value:void
0};return
n.traverse(u,l,{syntactic:d,legacy:h,isLegacyRef:f,placeholderWhitelist:a,placeholderPattern:o,syntacticPlaceholders
:p}),Object.assign({ast:u},f.value?h:d);var n=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=a;if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(20)),i=r(361),s=r(125);function a(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return a=function(){return e},e}const o=/^[_$A-Z0-9]+\$/;function l(e,t,r){var i;let
s;if(n.isPlaceholder(e)){if(!1===r.syntacticPlaceholders)throw new Error("% %foo% % -style placeholders can't be
used when '.syntacticPlaceholders' is
false.");s=e.name.name,r.isLegacyRef.value=!1}else{if(!1===r.isLegacyRef.value||r.syntacticPlaceholders)return;if(
n.isIdentifier(e)||n.isJSXIdentifier(e))s=e.name,r.isLegacyRef.value=!0}else{if(!n.isStringLiteral(e))return;s=e.value,
r.isLegacyRef.value=!0}}if(!r.isLegacyRef.value&&(null!==r.placeholderPattern||null!==r.placeholderWhitelist))thro
w new Error("'placeholderWhitelist' and 'placeholderPattern' aren't compatible with '.syntacticPlaceholders:
true'");if(r.isLegacyRef.value&&(!1===r.placeholderPattern||!(r.placeholderPattern||o).test(s))&&(null===(i=r.place
holderWhitelist)?void 0:i.has(s)))return;t=t.slice();const {node:a,key:l}=[t.length-1];let
c;n.isStringLiteral(e)||n.isPlaceholder(e,{expectedNode:"StringLiteral"})?c="string":n.isNewExpression(a)&&"argu
ments"===l||n.isCallExpression(a)&&"arguments"===l||n.isFunction(a)&&"params"===l?c="param":n.isExpressio

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nStatement(a)&&!n.isPlaceholder(e)?(c="statement",t=t.slice(0,-
1)):c=n.isStatement(e)&&n.isPlaceholder(e)?"statement":"other";const{placeholders:p,placeholderNames:u}=r.isLe
gacyRef.value?r.legacy:r.syntactic;p.push({name:s,type:c,resolve:e=>function(e,t){let r=e;for(let e=0;e<t.length-
1;e++){const{key:n,index:i}=t[e];r=void 0===i?r[n]:r[n][i]}const{key:n,index:i}=t[t.length-
1];return{parent:r,key:n,index:i}}(e,t),isDuplicate:u.has(s)),u.add(s)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const
r=n.cloneNode(e.ast);t&&(e.placeholders.forEach(e=>{if(!Object.prototype.hasOwnProperty.call(t,e.name)){const
t=e.name;throw new Error(`Error: No substitution given for "${t}". If this is not meant to be a placeholder
you may want to consider passing one of the following options to @babel/template:\n      - { placeholderPattern:
false, placeholderWhitelist: new Set(["${t}"])\n      - { placeholderPattern: /^${t}$/
}))}),Object.keys(t).forEach(t=>{if(!e.placeholderNames.has(t))throw new Error(`Unknown substitution "${t}"
given`)}));return
e.placeholders.slice().reverse().forEach(e=>{try{!function(e,t,r){e.isDuplicate&&(Array.isArray(r)?r=r.map(e=>n.cl
oneNode(e)):"object"===typeof
r&&(r=n.cloneNode(r)));const{parent:i,key:s,index:a}=e.resolve(t);if("string"===e.type){if("string"===typeof
r&&(r=n.stringLiteral(r)),!r||!n.isStringLiteral(r))throw new Error("Expected string substitution")}else
if("statement"===e.type)void 0===a?r?Array.isArray(r)?r=n.blockStatement(r):"string"===typeof
r?r=n.expressionStatement(n.identifier(r)):n.isStatement(r)||(r=n.expressionStatement(r)):r=n.emptyStatement():r&&
!Array.isArray(r)&&("string"===typeof r&&(r=n.identifier(r)),n.isStatement(r)||(r=n.expressionStatement(r)));else
if("param"===e.type){if("string"===typeof r&&(r=n.identifier(r)),void 0===a)throw new Error("Assertion
failure.")}else if("string"===typeof r&&(r=n.identifier(r)),Array.isArray(r))throw new Error("Cannot replace single
expression with an array.");if(void 0===a)n.validate(i,s,r),i[s]=r;else{const
t=i[s].slice();"statement"===e.type||"param"===e.type?null==r?t.splice(a,1):Array.isArray(r)?t.splice(a,1,...r):t[a]=r:
t[a]=r,n.validate(i,s,t),i[s]=t}}(e,r,t&&t[e.name]||null)}catch(t){throw t.message=`@babel/template placeholder
"${e.name}": ${t.message}`,t}},r);var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]r.default=e
,t&&t.set(e,r);return r}(r(20));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e},function(e,t,r){var n,i,s;!function(a,o){"use strict";i=[r(373)],void
0===(s="function"===typeof(n=function(e){var t=/^(^|@)\$+:\d+/,r=/^\$*at
.*(\$+:\d+|(native))/m,n=/^(eval@)?([\native code])?$/;return{parse:function(e){if(void 0!===e.stacktrace||void
0!===e["opera#sourceloc"])return this.parseOpera(e);if(e.stack&&e.stack.match(r))return
this.parseV8OrIE(e);if(e.stack)return this.parseFFOrSafari(e);throw new Error("Cannot parse given Error
object")},extractLocation:function(e){if(-1===e.indexOf(":"))return[e];var
t=/.(+)?(?::(\d+))?(?::(\d+))?$/g,e.exec(e.replace(/[\(\)/g,""]);return[t[1],t[2]||void 0,t[3]||void
0]},parseV8OrIE:function(t){return
t.stack.split("\n").filter((function(e){return!e.match(r)}),this).map((function(t){t.indexOf("eval")>-
1&&(t=t.replace(/eval code/g,"eval").replace(/\(eval at [^()]*\)|\.\$*/g,""));var r=t.replace(/^\$+/, "").replace(/(eval
code/g,""),n=r.match(/
\(((+):(\d+):(\d+)\))/),i=(r=n?r.replace(n[0],""):r).split(/\$+/).slice(1),s=this.extractLocation(n?n[1]:i.pop()),a=i.join
(" ")||void 0,o=["eval","<anonymous>"].indexOf(s[0])>-1?void 0:s[0];return new
e({functionName:a,fileName:o,lineNumber:s[1],columnNumber:s[2],source:t})),this),parseFFOrSafari:function(t)
{return t.stack.split("\n").filter((function(e){return!e.match(n)}),this).map((function(t){if(t.indexOf("> eval")>-
1&&(t=t.replace(/ line (\d+)?(> eval line \d+)* > eval:\d+:\d+\/g,":\$1")), -1===t.indexOf("@")&&-
1===t.indexOf(":"))return new e({functionName:t});var
r=/((.*).+)[^@]*?[^@]*?(?:@)/,n=t.match(r),i=n&&n[1]?n[1]:void 0,s=this.extractLocation(t.replace(r,""));return

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e({ functionName:i,fileName:s[0],lineNumber:s[1],columnNumber:s[2],source:t})),this}},parseOpera:function(e){r
return!e.stacktrace||e.message.indexOf("\n")>-
1&&e.message.split("\n").length>e.stacktrace.split("\n").length?this.parseOpera9(e):e.stack?this.parseOpera11(e):th
is.parseOpera10(e)},parseOpera9:function(t){for(var r=/Line (\d+).*script (?:(?in
)?(\S+)/i,n=t.message.split("\n"),i=[],s=2,a=n.length;s<a;s+=2){var o=r.exec(n[s]);o&&i.push(new
e({ fileName:o[2],lineNumber:o[1],source:n[s]})})return i},parseOpera10:function(t){for(var r=/Line (\d+).*script
(?:(?in)?(\S+)/i,n=t.message.split("\n"),i=[],s=0,a=n.length;s<a;s+=2){var
o=r.exec(n[s]);o&&i.push(new e({ functionName:o[3]||void 0,fileName:o[2],lineNumber:o[1],source:n[s]})})return
i},parseOpera11:function(r){return r.stack.split("\n").filter((function(e){return!!e.match(t)&&!e.match(/^Error
created at/)}),this).map((function(t){var
r,n=t.split("@"),i=this.extractLocation(n.pop()),s=n.shift()||"",a=s.replace(/<anonymous function(
(w+))?>/,"$2").replace(/^[^]*\)/g,"")||void 0;s.match(/^[^]*\)/)&&(r=s.replace(/^[^(+)(([^\]*)\)/$/,"$1"));var
o=void 0===r||"[arguments not available]"===r?void 0:r.split(",");return new
e({ functionName:a,args:o,fileName:i[0],lineNumber:i[1],columnNumber:i[2],source:t})),this)}}?n.apply(t,i):n||(
e.exports=s)}(),function(e,t,r){ "use strict";function n(e){var t=this;if(t instanceof n||(t=new
n),t.tail=null,t.head=null,t.length=0,e&&"function"===typeof e.forEach)e.forEach((function(e){t.push(e)}));else
if(arguments.length>0)for(var r=0,i=arguments.length;r<i;r++)t.push(arguments[r]);return t}function i(e,t,r){var
n=t===e.head?new o(r,null,t,e):new o(r,t,t.next,e);return
null===n.next&&(e.tail=n),null===n.prev&&(e.head=n),e.length++,n}function s(e,t){e.tail=new
o(t,e.tail,null,e),e.head||(e.head=e.tail),e.length++}function a(e,t){e.head=new
o(t,null,e.head,e),e.tail||(e.tail=e.head),e.length++}function o(e,t,r,n){if(!(this instanceof o))return new
o(e,t,r,n);this.list=n,this.value=e,t?(t.next=this,this.prev=t):this.prev=null,r?(r.prev=this,this.next=r):this.next=null if
exports=n,n.Node=o,n.create=n,n.prototype.removeNode=function(e){if(e.list!==this)throw new Error("removing
node which does not belong to this list");var t=e.next,r=e.prev;return
t&&(t.prev=r),r&&(r.next=t),e===this.head&&(this.head=t),e===this.tail&&(this.tail=r),e.list.length--
,e.next=null,e.prev=null,e.list=null,t},n.prototype.unshiftNode=function(e){if(e!==this.head){e.list&&e.list.remove
Node(e);var
t=this.head;e.list=this,e.next=t,t&&(t.prev=e),this.head=e,this.tail||(this.tail=e),this.length++},n.prototype.pushNod
e=function(e){if(e!==this.tail){e.list&&e.list.removeNode(e);var
t=this.tail;e.list=this,e.prev=t,t&&(t.next=e),this.tail=e,this.head||(this.head=e),this.length++},n.prototype.push=fun
ction(){for(var e=0,t=arguments.length;e<t;e++)s(this,arguments[e]);return
this.length},n.prototype.unshift=function(){for(var e=0,t=arguments.length;e<t;e++)a(this,arguments[e]);return
this.length},n.prototype.pop=function(){if(this.tail){var e=this.tail.value;return
this.tail=this.tail.prev,this.tail?this.tail.next=null:this.head=null,this.length--
,e}},n.prototype.shift=function(){if(this.head){var e=this.head.value;return
this.head=this.head.next,this.head?this.head.prev=null:this.tail=null,this.length--
,e}},n.prototype.forEach=function(e,t){t=t||this;for(var
r=this.head,n=0,null!==(r;n++)e.call(t,r.value,n,this),r=r.next},n.prototype.forEachReverse=function(e,t){t=t||this;for
(var r=this.tail,n=this.length-1,null!==(r;n--e.call(t,r.value,n,this),r=r.prev},n.prototype.get=function(e){for(var
t=0,r=this.head;null!==(r&&t<e;t++)r=r.next;if(t===e&&null!==(r))return
r.value},n.prototype.getReverse=function(e){for(var
t=0,r=this.tail;null!==(r&&t<e;t++)r=r.prev;if(t===e&&null!==(r))return
r.value},n.prototype.map=function(e,t){t=t||this;for(var r=new
n,i=this.head;null!==(i;r.push(e.call(t,i.value,this))),i=i.next;return
r},n.prototype.mapReverse=function(e,t){t=t||this;for(var r=new
n,i=this.tail;null!==(i;r.push(e.call(t,i.value,this))),i=i.prev;return r},n.prototype.reduce=function(e,t){var
r,n=this.head;if(arguments.length>1)r=t;else{if(!this.head)throw new TypeError("Reduce of empty list with no
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initial value");n=this.head.next,r=this.head.value }for(var i=0;null!==(n=i++);r=e(r,n.value,i),n=n.next;return
r},n.prototype.reduceReverse=function(e,t){ var r,n=this.tail;if(arguments.length>1)r=t;else{ if(!this.tail)throw new
TypeError("Reduce of empty list with no initial value");n=this.tail.prev,r=this.tail.value }for(var i=this.length-
1;null!==(n=i--);r=e(r,n.value,i),n=n.prev;return r},n.prototype.toArray=function(){ for(var e=new
Array(this.length),t=0,r=this.head;null!==(r=t++);e[t]=r.value,r=r.next;return
e},n.prototype.toArrayReverse=function(){ for(var e=new
Array(this.length),t=0,r=this.tail;null!==(r=t++);e[t]=r.value,r=r.prev;return
e},n.prototype.slice=function(e,t){ (t=t||this.length)<0&&(t+=this.length),(e=e||0)<0&&(e+=this.length);var r=new
n;if(t<e||t<0)return r;e<0&&(e=0),t>this.length&&(t=this.length);for(var
i=0,s=this.head;null!==(s=i++);s=s.next;for(;null!==(s=i<t;i++,s=s.next)r.push(s.value);return
r},n.prototype.sliceReverse=function(e,t){ (t=t||this.length)<0&&(t+=this.length),(e=e||0)<0&&(e+=this.length);var
r=new n;if(t<e||t<0)return r;e<0&&(e=0),t>this.length&&(t=this.length);for(var
i=this.length,s=this.tail;null!==(s=i>t;i--,s=s.prev;for(;null!==(s=i>e;i--,s=s.prev)r.push(s.value);return
r},n.prototype.splice=function(e,t){ e>this.length&&(e=this.length-1),e<0&&(e=this.length+e);for(var
r=0,n=this.head;null!==(n=r<e;r++)n=n.next;var
s=[];for(r=0;n&&r<t;r++)s.push(n.value),n=this.removeNode(n);null===n&&(n=this.tail),n!==this.head&&n!==this
s.tail&&(n=n.prev);for(r=2;r<arguments.length;r++)n=i(this,n,arguments[r]);return
s},n.prototype.reverse=function(){ for(var e=this.head,t=this.tail,r=e;null!==(r=r.prev){ var
n=r.prev;r.prev=r.next,r.next=n}return this.head=t,this.tail=e,this};try {r(131)(n)} catch(e) {} },function(e,t,r){ "use
strict";e.exports=function(e){ e.prototype[Symbol.iterator]=function*(){ for(let e=this.head;e;e=e.next)yield
e.value } },function(e,t,r){ "use strict";Object.defineProperty(t, "__esModule", { value: !0 }),t.default=void 0;var
n,i=(n=r(8))&&n.__esModule?n: { default:n },s=function(e){ if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return { default:e };var t=a();if(t&&t.has(e))return
t.get(e);var r= {} ,n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){ var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0));function a(){ if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
a=function(){ return
e},e}.default=class { constructor(e,t,r,n){ this.queue=null,this.parentPath=n,this.scope=e,this.state=r,this.opts=t}shou
ldVisit(e){ const t=this.opts;if(t.enter||t.exit)return!0;if(t[e.type])return!0;const
r=s.VISITOR_KEYS[e.type];if(!(null===r?void 0:r.length))return!1;for(const t of
r)if(e[t])return!0;return!1 }create(e,t,r,n){ return
i.default.get({ parentPath:this.parentPath,parent:e,container:t,key:r,listKey:n }) maybeQueue(e,t){ if(this.trap)throw
new Error("Infinite cycle
detected");this.queue&&(t?this.queue.push(e):this.priorityQueue.push(e))}visitMultiple(e,t,r){ if(0===e.length)retur
n!1;const n=[];for(let i=0;i<e.length;i++){ const s=e[i];s&&this.shouldVisit(s)&&n.push(this.create(t,e,i,r))}return
this.visitQueue(n)}visitSingle(e,t){ return!!this.shouldVisit(e[t])&&this.visitQueue([this.create(e,e,t)])}visitQueue(e)
{ this.queue=e,this.priorityQueue=[];const t=[];let r=!1;for(const n of
e)if(n.resync(),0!==(n.contexts.length&&n.contexts[n.contexts.length-
1])===this||n.pushContext(this),null!==(n.key&&!(t.indexOf(n.node)>=0))){ if(t.push(n.node),n.visit()){ r=!0;break }if(t
his.priorityQueue.length&&(r=this.visitQueue(this.priorityQueue),this.priorityQueue=[],this.queue=e,r))break }for(c
onst t of e)t.popContext();return this.queue=null,r} visit(e,t){ const
r=e[t];return!!r&&(Array.isArray(r)?this.visitMultiple(r,e,t):this.visitSingle(e,t)) } },function(e,t,r){ "use strict";var
n;Object.defineProperty(t, "__esModule", { value: !0 }),t.default=void 0;var
i=(0,((n=r(64))&&n.__esModule?n: { default:n }).default)("React.Component");t.default=i},function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value: !0 }),t.default=function(e){ return!!e&&/^[a-
z]/.test(e) } },function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value: !0 }),t.default=function(e){ const t=[];for(let

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r=0;r<e.children.length;r++){let
n=e.children[r];(0,i.isJSXText)(n)?(0,s.default)(n,t):((0,i.isJSXExpressionContainer)(n)&&(n=n.expression),(0,i.isJS
XEmptyExpression)(n)||t.push(n))}return t};var
n,i=r(2),s=(n=r(136))&&n.__esModule?n:{default:n}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const r=e.value.split(/r\n\n|r/);let
i=0;for(let e=0;e<r.length;e++)r[e].match(/^[^ \t]/)&&(i=e);let s="";for(let e=0;e<r.length;e++){const
t=r[e],n=0===e,a=e===r.length-1,o=e===i;let l=t.replace(/t/g," ");n||(l=l.replace(/^[ ]+/, "")),a||(l=l.replace(/[
]+$/, "")),l&&(o||(l+=" "),s+=l)}s&&t.push((0,n.stringLiteral)(s));var n=r(4)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,...t){const
r=i.BUILDER_KEYS[e],a=t.length;if(a>r.length)throw new Error(`$e): Too many arguments passed. Received
${a} but can receive no more than ${r.length}`);const o={type:e};let l=0;r.forEach(r=>{const
s=i.NODE_FIELDS[e][r];let c;l<a&&(c=t[l]),void 0===c&&(c=(0,n.default)(s.default)),o[r]=c,l++});for(const e of
Object.keys(o))(0,s.default)(o,e,o[e]);return o};var n=a(r(138)),i=r(5),s=a(r(52));function a(e){return
e&&e.__esModule?e:{default:e}},function(e,t,r){var n=r(139);e.exports=function(e){return
n(e,4)},function(e,t,r){var
n=r(140),i=r(170),s=r(70),a=r(172),o=r(182),l=r(185),c=r(186),p=r(187),u=r(189),d=r(190),h=r(191),f=r(48),m=r(1
96),y=r(197),T=r(203),b=r(43),g=r(73),S=r(205),x=r(22),E=r(207),P=r(42),v=r(45),A={};A["object
Arguments"]=A["object Array"]=A["object ArrayBuffer"]=A["object DataView"]=A["object
Boolean"]=A["object Date"]=A["object Float32Array"]=A["object Float64Array"]=A["object
Int8Array"]=A["object Int16Array"]=A["object Int32Array"]=A["object Map"]=A["object
Number"]=A["object Object"]=A["object RegExp"]=A["object Set"]=A["object String"]=A["object
Symbol"]=A["object Uint8Array"]=A["object Uint8ClampedArray"]=A["object Uint16Array"]=A["object
Uint32Array"]=!0,A["object Error"]=A["object Function"]=A["object WeakMap"]=!1,e.exports=function
e(t,r,w,O,I,C){var N,k=1&r,D=2&r,_=4&r;if(w&&(N=!?w(t,O,I,C):w(t)),void 0!==(N))return N;if(!x(t))return t;var
L=b(t);if(L){if(N=m(t),!k)return c(t,N)}else{var M=f(t),j="object Function"==M||"object
GeneratorFunction"==M;if(g(t))return l(t,k);if("object Object"==M||"object
Arguments"==M||j&&!l){if(N=D||j){?T(t,!k)return D?u(t,o(N,t)):p(t,a(N,t))}else{if(!A[M])return
I?t:{};N=y(t,M,k)}C||(C=new n);var F=C.get(t);if(F)return
F;C.set(t,N),E(t)?t.forEach((function(n){N.add(e(n,r,w,n,t,C))})):S(t)&&t.forEach((function(n,i){N.set(i,e(n,r,w,i,t,
C))}));var R=L?void 0:(_?D?h:d:D?v:P)(t);return
i(R||t,(function(n,i){R&&(n=t[i=n]),s(N,i,e(n,r,w,i,t,C))})),N}},function(e,t,r){var
n=r(26),i=r(146),s=r(147),a=r(148),o=r(149),l=r(150);function c(e){var t=this.__data__=new
n(e);this.size=t.size}c.prototype.clear=i,c.prototype.delete=s,c.prototype.get=a,c.prototype.has=o,c.prototype.set=l,e
.exports=c},function(e,t){e.exports=function(){this.__data__=[],this.size=0}},function(e,t,r){var
n=r(27),i=Array.prototype.splice;e.exports=function(e){var t=this.__data__,r=n(t,e);return!(r<0)&&(r==t.length-
1)?t.pop():i.call(t,r,1),--this.size,!0)},function(e,t,r){var n=r(27);e.exports=function(e){var
t=this.__data__,r=n(t,e);return r<0?void 0:t[r][1]},function(e,t,r){var n=r(27);e.exports=function(e){return
n(this.__data__,e)>-1}},function(e,t,r){var n=r(27);e.exports=function(e,t){var r=this.__data__,i=n(r,e);return
i<0?(++this.size,r.push([e,t])):r[i][1]=t,this}},function(e,t,r){var n=r(26);e.exports=function(){this.__data__=new
n,this.size=0}},function(e,t){e.exports=function(e){var t=this.__data__,r=t.delete(e);return
this.size=t.size,r}},function(e,t){e.exports=function(e){return
this.__data__.get(e)},function(e,t){e.exports=function(e){return
this.__data__.has(e)},function(e,t,r){var
n=r(26),i=r(40),s=r(157);e.exports=function(e,t){var r=this.__data__;if(r instanceof n){var
a=r.__data__;if(!i||a.length<199)return a.push([e,t]),this.size=++r.size,this;r=this.__data__=new s(a)}return
r.set(e,t),this.size=r.size,this}},function(e,t,r){var n=r(67),i=r(154),s=r(22),a=r(69),o=/^\[object
.+?Constructor\]$/l=Function.prototype,c=Object.prototype,p=l.toString,u=c.hasOwnProperty,d=RegExp("^(.+?cal
l(u).replace(/[\^$. *+?(){}|]/g, "\\$&").replace(/hasOwnProperty|(function).*?(?=\\\() for
.+?(?=\\))/g, "$1.*?")+");e.exports=function(e){return!(!s(e)||i(e))&&(n(e)?d:o).test(a(e))}},function(e,t,r){var

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n=r(41),i=Object.prototype,s=i.hasOwnProperty,a=i.toString,o=n?n.toStringTag:void 0;e.exports=function(e){var
t=s.call(e,o),r=e[o];try{e[o]=void 0;var n=!0}catch(e){}var i=a.call(e);return n&&(t?e[o]=r:delete
e[o]),i}},function(e,t){var r=Object.prototype.toString;e.exports=function(e){return r.call(e)},function(e,t,r){var
n,i=r(155),s=(n=/[^\$]+/).exec(i&&i.keys&&i.keys.IE_PROTO||"")?"Symbol(src)_1."+n:"";e.exports=function(e){r
eturn!!s&&s in e}},function(e,t,r){var n=r(7)["_core-
js_shared_"];e.exports=n},function(e,t){e.exports=function(e,t){return null===e?void 0:e[t]},function(e,t,r){var
n=r(158),i=r(165),s=r(167),a=r(168),o=r(169);function l(e){var t=-
1,r=null===e?0:e.length;for(this.clear();++t<r;){var
n=e[t];this.set(n[0],n[1])}}l.prototype.clear=n,l.prototype.delete=i,l.prototype.get=s,l.prototype.has=a,l.prototype.set
=o,e.exports=l},function(e,t,r){var
n=r(159),i=r(26),s=r(40);e.exports=function(){this.size=0,this.__data__={hash:new n,map:new(s|i),string:new
n}},function(e,t,r){var n=r(160),i=r(161),s=r(162),a=r(163),o=r(164);function l(e){var t=-
1,r=null===e?0:e.length;for(this.clear();++t<r;){var
n=e[t];this.set(n[0],n[1])}}l.prototype.clear=n,l.prototype.delete=i,l.prototype.get=s,l.prototype.has=a,l.prototype.set
=o,e.exports=l},function(e,t,r){var
n=r(28);e.exports=function(){this.__data__=n?n(null):{};this.size=0}},function(e,t){e.exports=function(e){var
t=this.has(e)&&delete this.__data__[e];return this.size-=t?1:0,t}},function(e,t,r){var
n=r(28),i=Object.prototype.hasOwnProperty;e.exports=function(e){var t=this.__data__;if(n){var
r=t[e];return"__lodash_hash_undefined__"===r?void 0:r}return i.call(t,e)?t[e]:void 0}},function(e,t,r){var
n=r(28),i=Object.prototype.hasOwnProperty;e.exports=function(e){var t=this.__data__;return n?void
0!==t[e]?i.call(t,e)}},function(e,t,r){var n=r(28);e.exports=function(e,t){var r=this.__data__;return
this.size+=this.has(e)?0:1,r[e]=n&&void 0===t?"__lodash_hash_undefined__":t,this}},function(e,t,r){var
n=r(29);e.exports=function(e){var t=n(this,e).delete(e);return this.size-
=t?1:0,t}},function(e,t){e.exports=function(e){var t=typeof
e;return"string"===t||"number"===t||"symbol"===t||"boolean"===t?"__proto__"!==e:null===e}},function(e,t,r){var
n=r(29);e.exports=function(e){return n(this,e).get(e)},function(e,t,r){var n=r(29);e.exports=function(e){return
n(this,e).has(e)},function(e,t,r){var n=r(29);e.exports=function(e,t){var r=n(this,e),i=r.size;return
r.set(e,t),this.size+=r.size===i?0:1,this}},function(e,t){e.exports=function(e,t){for(var r=-
1,n=null===e?0:e.length;++r<n&&!1!==t(e[r],r,e));return e}},function(e,t,r){var n=r(11),i=function(){try{var
e=n(Object,"defineProperty");return e({},"",{e})catch(e){}}();e.exports=i},function(e,t,r){var
n=r(30),i=r(42);e.exports=function(e,t){return e&&n(t,i,t,e)},function(e,t){e.exports=function(e,t){for(var r=-
1,n=Array(e);++r<e;)n[r]=t(r);return n}},function(e,t,r){var
n=r(175),i=r(12),s=Object.prototype,a=s.hasOwnProperty,o=s.propertyIsEnumerable,l=n(function(){return
arguments})();n:function(e){return i(e)&&a.call(e,"callee")&&!o.call(e,"callee");e.exports=l},function(e,t,r){var
n=r(18),i=r(12);e.exports=function(e){return i(e)&&"[object
Arguments]"===n(e)},function(e,t){e.exports=function(){return!1}},function(e,t){var r=/^(?:0|[1-
9]\d*)$/;e.exports=function(e,t){var n=typeof
e;return!(t=null===t?9007199254740991:t)&&("number"===n||"symbol"!==n&&r.test(e))&&e>-
1&&e%1===0&&e<t}},function(e,t,r){var
n=r(179),i=r(32),s=r(33),a=s&&s.isTypedArray,o=a?i(a):n;e.exports=o},function(e,t,r){var
n=r(18),i=r(74),s=r(12),a={};a["[object Float32Array]"]=a["[object Float64Array]"]=a["[object
Int8Array]"]=a["[object Int16Array]"]=a["[object Int32Array]"]=a["[object Uint8Array]"]=a["[object
Uint8ClampedArray]"]=a["[object Uint16Array]"]=a["[object Uint32Array]"]=!0,a["[object
Arguments]"]=a["[object Array]"]=a["[object ArrayBuffer]"]=a["[object Boolean]"]=a["[object
DataView]"]=a["[object Date]"]=a["[object Error]"]=a["[object Function]"]=a["[object Map]"]=a["[object
Number]"]=a["[object Object]"]=a["[object RegExp]"]=a["[object Set]"]=a["[object String]"]=a["[object
WeakMap]"]=!1,e.exports=function(e){return s(e)&&i(e.length)&&!a[n(e)]}},function(e,t,r){var
n=r(44),i=r(181),s=Object.prototype.hasOwnProperty;e.exports=function(e){if(!n(e))return i(e);var t=[];for(var r in

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Object(e))s.call(e,r)&&"constructor"!=r&&t.push(r);return t }},function(e,t,r){ var
n=r(75)(Object.keys,Object);e.exports=n},function(e,t,r){ var n=r(30),i=r(45);e.exports=function(e,t){return
e&&n(t,i(t),e)}},function(e,t,r){ var
n=r(22),i=r(44),s=r(184),a=Object.prototype.hasOwnProperty;e.exports=function(e){if(!n(e))return s(e);var
t=i(e),r=[];for(var o in e)("constructor"!=o||!t&&a.call(e,o))&&r.push(o);return
r }},function(e,t){ e.exports=function(e){ var t=[];if(null!=e)for(var r in Object(e))t.push(r);return
t }},function(e,t,r){ (function(e){ var n=r(7),i=t&&!t.nodeType&&t.s=i&&"object"===typeof
e&&&!e.nodeType&&e.a=s&&s.exports===i?n.Buffer:void 0,o=a?a.allocUnsafe:void
0;e.exports=function(e,t){ if(t)return e.slice();var r=e.length,n=o?o(r):new e.constructor(r);return
e.copy(n,n)}).call(this,r(31)(e))},function(e,t){ e.exports=function(e,t){ var r=-
1,n=e.length;for(t||(t=Array(n));++r<n;t[r]=e[r];return t }},function(e,t,r){ var
n=r(30),i=r(46);e.exports=function(e,t){ return n(e,i(e),t) }},function(e,t){ e.exports=function(e,t){ for(var r=-
1,n=null==e?0:e.length,i=0,s=[];++r<n;){ var a=e[r];t(a,r,e)&&(s[i++]=a)} return s }},function(e,t,r){ var
n=r(30),i=r(78);e.exports=function(e,t){ return n(e,i(e),t) }},function(e,t,r){ var
n=r(80),i=r(46),s=r(42);e.exports=function(e){ return n(e,s,i) }},function(e,t,r){ var
n=r(80),i=r(78),s=r(45);e.exports=function(e){ return n(e,s,i) }},function(e,t,r){ var
n=r(11)(r(7),"DataView");e.exports=n},function(e,t,r){ var n=r(11)(r(7),"Promise");e.exports=n},function(e,t,r){ var
n=r(11)(r(7),"Set");e.exports=n},function(e,t,r){ var n=r(11)(r(7),"WeakMap");e.exports=n},function(e,t){ var
r=Object.prototype.hasOwnProperty;e.exports=function(e){ var t=e.length,n=new e.constructor(t);return
t&&"string"===typeof e[0]&&r.call(e,"index")&&(n.index=e.index,n.input=e.input),n }},function(e,t,r){ var
n=r(49),i=r(199),s=r(200),a=r(201),o=r(202);e.exports=function(e,t,r){ var l=e.constructor;switch(t){ case"[object
ArrayBuffer]":return n(e);case"[object Boolean]":case"[object Date]":return new l(+e);case"[object
DataView]":return i(e,r);case"[object Float32Array]":case"[object Float64Array]":case"[object
Int8Array]":case"[object Int16Array]":case"[object Int32Array]":case"[object Uint8Array]":case"[object
Uint8ClampedArray]":case"[object Uint16Array]":case"[object Uint32Array]":return o(e,r);case"[object
Map]":return new l;case"[object Number]":case"[object String]":return new l(e);case"[object RegExp]":return
s(e);case"[object Set]":return new l;case"[object Symbol]":return a(e) }},function(e,t,r){ var
n=r(7).Uint8Array;e.exports=n},function(e,t,r){ var n=r(49);e.exports=function(e,t){ var
r=t?n(e.buffer):e.buffer;return new e.constructor(r,e.byteOffset,e.byteLength) }},function(e,t){ var
r=^w*$;e.exports=function(e){ var t=new e.constructor(e.source,r.exec(e));return
t.lastIndex=e.lastIndex,t }},function(e,t,r){ var n=r(41),i=n?n.prototype:void 0,s=i?i.valueOf:void
0;e.exports=function(e){ return s?Object(s.call(e)):{} }},function(e,t,r){ var n=r(49);e.exports=function(e,t){ var
r=t?n(e.buffer):e.buffer;return new e.constructor(r,e.byteOffset,e.length) }},function(e,t,r){ var
n=r(204),i=r(47),s=r(44);e.exports=function(e){ return "function"!==typeof
e.constructor||s(e)?{ :n(i(e)) }},function(e,t,r){ var n=r(22),i=Object.create,s=function(){ function e(){} return
function(t){ if(!n(t))return {} ;if(i)return i(t);e.prototype=t;var r=new e;return e.prototype=void
0,r }();e.exports=s},function(e,t,r){ var
n=r(206),i=r(32),s=r(33),a=s&&s.isMap,o=a?i(a):n;e.exports=o},function(e,t,r){ var
n=r(48),i=r(12);e.exports=function(e){ return i(e)&&"[object Map]"===n(e) }},function(e,t,r){ var
n=r(208),i=r(32),s=r(33),a=s&&s.isSet,o=a?i(a):n;e.exports=o},function(e,t,r){ var
n=r(48),i=r(12);e.exports=function(e){ return i(e)&&"[object Set]"===n(e) }},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.isIdentifierStart=p,t.isIdentifierChar=u,t.isIdentifierNam
e=function(e){ let t=!0;for(let r=0;r<e.length;r++){ let
n=e.charCodeAt(r);if(55296==(64512&n)&&r+1<e.length){ const
t=e.charCodeAt(++r);56320==(64512&t)&&(n=65536+((1023&n)<<10)+(1023&t))}if(t){ if(t=!1,!p(n))return!1 }els
e if(!u(n))return!1 }return!1;let n="µ°À-Öø-öø-^-----
-----
-----",i="-----"}

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-----";const s=new RegExp("[+n+]"),a=new
RegExp("[+n+i+]");n=i=null;const
o=[0,11,2,25,2,18,2,1,2,14,3,13,35,122,70,52,268,28,4,48,48,31,14,29,6,37,11,29,3,35,5,7,2,4,43,157,19,35,5,35,5,3
9,9,51,157,310,10,21,11,7,153,5,3,0,2,43,2,1,4,0,3,22,11,22,10,30,66,18,2,1,11,21,11,25,71,55,7,1,65,0,16,3,2,2,2,2
8,43,28,4,28,36,7,2,27,28,53,11,21,11,18,14,17,111,72,56,50,14,50,14,35,349,41,7,1,79,28,11,0,9,21,107,20,28,22,1
3,52,76,44,33,24,27,35,30,0,3,0,9,34,4,0,13,47,15,3,22,0,2,0,36,17,2,24,85,6,2,0,2,3,2,14,2,9,8,46,39,7,3,1,3,21,2,6,
2,1,2,4,4,0,19,0,13,4,159,52,19,3,21,2,31,47,21,1,2,0,185,46,42,3,37,47,21,0,60,42,14,0,72,26,230,43,117,63,32,7,3,
0,3,7,2,1,2,23,16,0,2,0,95,7,3,38,17,0,2,0,29,0,11,39,8,0,22,0,12,45,20,0,35,56,264,8,2,36,18,0,50,29,113,6,2,1,2,37,
22,0,26,5,2,1,2,31,15,0,328,18,190,0,80,921,103,110,18,195,2749,1070,4050,582,8634,568,8,30,114,29,19,47,17,3,
32,20,6,18,689,63,129,74,6,0,67,12,65,1,2,0,29,6135,9,1237,43,8,8952,286,50,2,18,3,9,395,2309,106,6,12,4,8,8,9,5
991,84,2,70,2,1,3,0,3,1,3,3,2,11,2,0,2,6,2,64,2,3,3,7,2,6,2,27,2,3,2,4,2,0,4,6,2,339,3,24,2,24,2,30,2,24,2,30,2,24,2,30
,2,24,2,30,2,24,2,7,2357,44,11,6,17,0,370,43,1301,196,60,67,8,0,1205,3,2,26,2,1,2,0,3,0,2,9,2,3,2,0,2,0,7,0,5,0,2,0,2
,0,2,2,2,1,2,0,3,0,2,0,2,0,2,0,2,1,2,0,3,3,2,6,2,3,2,3,2,0,2,9,2,16,6,2,2,4,2,16,4421,42717,35,4148,12,221,3,5761,
15,7472,3104,541,1507,4938],l=[509,0,227,0,150,4,294,9,1368,2,2,1,6,3,41,2,5,0,166,1,574,3,9,9,370,1,154,10,176,
2,54,14,32,9,16,3,46,10,54,9,7,2,37,13,2,9,6,1,45,0,13,2,49,13,9,3,2,11,83,11,7,0,161,11,6,9,7,3,56,1,2,6,3,1,3,2,10,
0,11,1,3,6,4,4,193,17,10,9,5,0,82,19,13,9,214,6,3,8,28,1,83,16,16,9,82,12,9,9,84,14,5,9,243,14,166,9,71,5,2,1,3,3,2,
0,2,1,13,9,120,6,3,6,4,0,29,9,41,6,2,3,9,0,10,10,47,15,406,7,2,7,17,9,57,21,2,13,123,5,4,0,2,1,2,6,2,0,9,9,49,4,2,1,2,
4,9,9,330,3,19306,9,135,4,60,6,26,9,1014,0,2,54,8,3,82,0,12,1,19628,1,5319,4,4,5,9,7,3,6,31,3,149,2,1418,49,513,5
4,5,49,9,0,15,0,23,4,2,14,1361,6,2,16,3,6,2,1,2,4,262,6,10,9,419,13,1495,6,110,6,6,9,4759,9,787719,239];function
c(e,t){let r=65536;for(let
n=0,i=t.length;n<i;n+=2){if(r+=t[n],r>e)return!1;if(r+=t[n+1],r>=e)return!0}return!1}function p(e){return
e<65?36===e:e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&s.test(String.fromCharCode(e)):c(e,o)))}functi
on u(e){return
e<48?36===e:e<58||(e<65)&&(e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&a.test(String.fromCharCode(
e)):c(e,o)||c(e,l))))},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.isReservedWord=l,t.isStrictReservedWord=c,t.isStrictBi
ndOnlyReservedWord=p,t.isStrictBindReservedWord=function(e,t){return
c(e,t)||p(e)},t.isKeyword=function(e){return s.has(e)};const
n=["implements","interface","let","package","private","protected","public","static","yield"],i=["eval","arguments"],s
=new
Set(["break","case","catch","continue","debugger","default","do","else","finally","for","function","if","return","swit
ch","throw","try","var","const","while","with","new","this","super","class","extends","export","import","null","true"
,"false","in","instanceof","typeof","void","delete"]),a=new Set(n),o=new Set(i);function l(e,t){return
t&&"await"===e||"enum"===e}function c(e,t){return l(e,t)||a.has(e)}function p(e){return
o.has(e)},function(e,t,r){"use strict";var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(9));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}const
s=(e,t="TypeParameterDeclaration")=>{(0,n.default)(e,{builder:["id","typeParameters","extends","body"],visitor:["i
d","typeParameters","extends","mixins","implements","body"],aliases:["Flow","FlowDeclaration","Statement","Dec
laration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)(t),extends:(0,n.valid
ateOptional)((0,n.arrayOfType)("InterfaceExtends")),mixins:(0,n.validateOptional)((0,n.arrayOfType)("InterfaceExt
ends")),implements:(0,n.validateOptional)((0,n.arrayOfType)("ClassImplements")),body:(0,n.validateType)("Object
TypeAnnotation")}});(0,n.default)("AnyTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),
(0,n.default)("ArrayTypeAnnotation",{visitor:["elementType"],aliases:["Flow","FlowType"],fields:{elementType:(0

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,n.validateType("FlowType"))}},(0,n.default)("BooleanTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}), (0,n.default)("BooleanLiteralTypeAnnotation",{builder:["value"],aliases:["Flow","FlowType"],fields:{value:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("NullLiteralTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}), (0,n.default)("ClassImplements",{visitor:["id"],"typeParameters"},aliases:["Flow"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterInstantiation")}},s("DeclareClass"),(0,n.default)("DeclareFunction",{visitor:["id"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),predicate:(0,n.validateOptionalType)("DeclarePredicate")}},s("DeclareInterface"),(0,n.default)("DeclareModule",{builder:["id","body","kind"],visitor:["id","body"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier","StringLiteral"),body:(0,n.validateType)("BlockStatement"),kind:(0,n.validateOptional)((0,n.assertOneOf)("CommonJS","ES"))}},(0,n.default)("DeclareModuleExports",{visitor:["typeAnnotation"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{typeAnnotation:(0,n.validateType)("TypeAnnotation")}},(0,n.default)("DeclareTypeAlias",{visitor:["id"],"typeParameters","right"},aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),right:(0,n.validateType)("FlowType")}},(0,n.default)("DeclareOpaqueType",{visitor:["id"],"typeParameters","supertype"},aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),supertype:(0,n.validateOptionalType)("FlowType")}},(0,n.default)("DeclareVariable",{visitor:["id"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier")}},(0,n.default)("DeclareExportDeclaration",{visitor:["declaration","specifier","source"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{declaration:(0,n.validateOptionalType)("Flow"),specifiers:(0,n.validateOptional)((0,n.arrayOfType)("ExportSpecifier","ExportNamespaceSpecifier")),source:(0,n.validateOptionalType)("StringLiteral"),default:(0,n.validateOptional)((0,n.assertValueType)("boolean"))}},(0,n.default)("DeclareExportAllDeclaration",{visitor:["source"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{source:(0,n.validateType)("StringLiteral"),exportKind:(0,n.validateOptional)((0,n.assertOneOf)("type","value"))}},(0,n.default)("DeclaredPredicate",{visitor:["value"],aliases:["Flow","FlowPredicate"],fields:{value:(0,n.validateType)("Flow")}},(0,n.default)("ExistsTypeAnnotation",{aliases:["Flow","FlowType"]}), (0,n.default)("FunctionTypeAnnotation",{visitor:["typeParameters","params","rest","returnType"],aliases:["Flow","FlowType"],fields:{typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),params:(0,n.validate)((0,n.arrayOfType)("FunctionTypeParam")),rest:(0,n.validateOptionalType)("FunctionTypeParam"),returnType:(0,n.validateType)("FlowType")}},(0,n.default)("FunctionTypeParam",{visitor:["name","typeAnnotation"],aliases:["Flow"],fields:{name:(0,n.validateOptionalType)("Identifier"),typeAnnotation:(0,n.validateType)("FlowType"),optional:(0,n.validateOptional)((0,n.assertValueType)("boolean"))}},(0,n.default)("GenericTypeAnnotation",{visitor:["id"],"typeParameters"},aliases:["Flow","FlowType"],fields:{id:(0,n.validateType)("Identifier","QualifiedTypeIdentifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterInstantiation")}},(0,n.default)("InferredPredicate",{aliases:["Flow","FlowPredicate"]}), (0,n.default)("InterfaceExtends",{visitor:["id"],"typeParameters"},aliases:["Flow"],fields:{id:(0,n.validateType)("Identifier","QualifiedTypeIdentifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterInstantiation")}},s("InterfaceDeclaration"),(0,n.default)("InterfaceTypeAnnotation",{visitor:["extends","body"],aliases:["Flow","FlowType"],fields:{extends:(0,n.validateOptional)((0,n.arrayOfType)("InterfaceExtends")),body:(0,n.validateType)("ObjectTypeAnnotation")}},(0,n.default)("IntersectionTypeAnnotation",{visitor:["types"],aliases:["Flow","FlowType"],fields:{types:(0,n.validate)((0,n.arrayOfType)("FlowType"))}},(0,n.default)("MixedTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}), (0,n.default)("EmptyTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}), (0,n.default)("NullableTypeAnnotation",{visitor:["typeAnnotation"],aliases:["Flow","FlowType"],fields:{typeAnnotation:(0,n.validateType)("FlowType")}},(0,n.default)("NumberLiteralTypeAnnotation",{builder:["value"],aliases:["Flow","FlowType"],fields:{value:(0,n.validate)((0,n.assertValueType)("number"))}},(0,n.default)("NumberTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}), (0,n.default)("ObjectTypeAnnotation",{visitor:["properties","indexers","callProperties","internalSlots"],aliases:["Flow","FlowType"],builder:["properties","indexers","callProperties","internalSlots","exact"],fields:{properties:(0,n.validate)((0,n.arrayOfType)("ObjectTypeProperty","ObjectTypeSpreadProperty")),indexers:(0,n.validateOptiona

l)((0,n.arrayOfType)("ObjectTypeIndexer")),callProperties:(0,n.validateOptional)((0,n.arrayOfType)("ObjectTypeCallProperty")),internalSlots:(0,n.validateOptional)((0,n.arrayOfType)("ObjectTypeInternalSlot")),exact:{validate:(0,n.assertValueType)("boolean"),default:!1},inexact:(0,n.validateOptional)((0,n.assertValueType)("boolean"))},(0,n.default)("ObjectTypeInternalSlot",{visitor:["id","value","optional","static","method"],aliases:["Flow","UserWhitespacable"],fields:{id:(0,n.validateType)("Identifier"),value:(0,n.validateType)("FlowType"),optional:(0,n.validate)((0,n.assertValueType)("boolean")),static:(0,n.validate)((0,n.assertValueType)("boolean")),method:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("ObjectTypeCallProperty",{visitor:["value"],aliases:["Flow","UserWhitespacable"],fields:{value:(0,n.validateType)("FlowType"),static:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("ObjectTypeIndexer",{visitor:["id","key","value","variance"],aliases:["Flow","UserWhitespacable"],fields:{id:(0,n.validateOptionalType)("Identifier"),key:(0,n.validateType)("FlowType"),value:(0,n.validateType)("FlowType"),static:(0,n.validate)((0,n.assertValueType)("boolean")),variance:(0,n.validateOptionalType)("Variance")}},(0,n.default)("ObjectTypeProperty",{visitor:["key","value","variance"],aliases:["Flow","UserWhitespacable"],fields:{key:(0,n.validateType)(["Identifier","StringLiteral"]),value:(0,n.validateType)("FlowType"),kind:(0,n.validate)((0,n.assertOneOf)("init","get","set")),static:(0,n.validate)((0,n.assertValueType)("boolean")),proto:(0,n.validate)((0,n.assertValueType)("boolean")),optional:(0,n.validate)((0,n.assertValueType)("boolean")),variance:(0,n.validateOptionalType)("Variance")}},(0,n.default)("ObjectTypeSpreadProperty",{visitor:["argument"],aliases:["Flow","UserWhitespacable"],fields:{argument:(0,n.validateType)("FlowType")}},(0,n.default)("OpaqueType",{visitor:["id","typeParameters","supertype","impltype"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),supertype:(0,n.validateOptionalType)("FlowType"),impltype:(0,n.validateType)("FlowType")}},(0,n.default)("QualifiedTypeIdentifier",{visitor:["id","qualification"],aliases:["Flow"],fields:{id:(0,n.validateType)("Identifier"),qualification:(0,n.validateType)(["Identifier","QualifiedTypeIdentifier"])}},(0,n.default)("StringLiteralTypeAnnotation",{builder:["value"],aliases:["Flow","FlowType"],fields:{value:(0,n.validate)((0,n.assertValueType)("string"))}},(0,n.default)("StringTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("SymbolTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("ThisTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("TupleTypeAnnotation",{visitor:["types"],aliases:["Flow","FlowType"],fields:{types:(0,n.validate)((0,n.arrayOfType)("FlowType"))}},(0,n.default)("TypeofTypeAnnotation",{visitor:["argument"],aliases:["Flow","FlowType"],fields:{argument:(0,n.validateType)("FlowType")}},(0,n.default)("TypeAlias",{visitor:["id","typeParameters","right"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),right:(0,n.validateType)("FlowType")}},(0,n.default)("TypeAnnotation",{aliases:["Flow"],visitor:["typeAnnotation"],fields:{typeAnnotation:(0,n.validateType)("FlowType")}},(0,n.default)("TypeCastExpression",{visitor:["expression","typeAnnotation"],aliases:["Flow","ExpressionWrapper","Expression"],fields:{expression:(0,n.validateType)("Expression"),typeAnnotation:(0,n.validateType)("TypeAnnotation")}},(0,n.default)("TypeParameter",{aliases:["Flow"],visitor:["bound","default","variance"],fields:{name:(0,n.validate)((0,n.assertValueType)("string")),bound:(0,n.validateOptionalType)("TypeAnnotation"),default:(0,n.validateOptionalType)("FlowType"),variance:(0,n.validateOptionalType)("Variance")}},(0,n.default)("TypeParameterDeclaration",{aliases:["Flow"],visitor:["params"],fields:{params:(0,n.validate)((0,n.arrayOfType)("TypeParameter"))}},(0,n.default)("TypeParameterInstantiation",{aliases:["Flow"],visitor:["params"],fields:{params:(0,n.validate)((0,n.arrayOfType)("FlowType"))}},(0,n.default)("UnionTypeAnnotation",{visitor:["types"],aliases:["Flow","FlowType"],fields:{types:(0,n.validate)((0,n.arrayOfType)("FlowType"))}},(0,n.default)("Variance",{aliases:["Flow"],builder:["kind"],fields:{kind:(0,n.validate)((0,n.assertOneOf)("minus","plus"))}},(0,n.default)("VoidTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),0,n.default)("EnumDeclaration",{aliases:["Statement","Declaration"],visitor:["id","body"],fields:{id:(0,n.validateType)("Identifier"),body:(0,n.validateType)(["EnumBooleanBody","EnumNumberBody","EnumStringBody","EnumSymbolBody"])}},(0,n.default)("EnumBooleanBody",{aliases:["EnumBody"],visitor:["members"],fields:{explicit:(0,n.validate)((0,n.assertValueType)("boolean")),members:(0,n.validateArrayOfType)("EnumBooleanMember")}},(0,n.default)("EnumNumberBody",{aliases:["EnumBody"],visitor:["members"],fields:{explicit:(0,n.validate)((0,n.assertValueType)("boolean")),members:(0,n.validateArrayOfType)("EnumNumberMember")}},(0,n.default)("EnumStringBody",{

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aliases:["EnumBody"],visitor:["members"],fields:{explicit:(0,n.validate)((0,n.assertValueType)("boolean")),members:(0,n.validateArrayOfType)(["EnumStringMember","EnumDefaultedMember"])}},(0,n.default)("EnumSymbolBody",{aliases:["EnumBody"],visitor:["members"],fields:{members:(0,n.validateArrayOfType)("EnumDefaultedMember")}},(0,n.default)("EnumBooleanMember",{aliases:["EnumMember"],visitor:["id"],fields:{id:(0,n.validateType)("Identifier"),init:(0,n.validateType)("BooleanLiteral")}},(0,n.default)("EnumNumberMember",{aliases:["EnumMember"],visitor:["id","init"],fields:{id:(0,n.validateType)("Identifier"),init:(0,n.validateType)("NumericLiteral")}},(0,n.default)("EnumStringMember",{aliases:["EnumMember"],visitor:["id","init"],fields:{id:(0,n.validateType)("Identifier"),init:(0,n.validateType)("StringLiteral")}},(0,n.default)("EnumDefaultedMember",{aliases:["EnumMember"],visitor:["id"],fields:{id:(0,n.validateType)("Identifier")}}}),function(e,t,r){ "use strict";var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in e)if(Object.prototype.hasOwnProperty.call(e,s)){var a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e,t&&t.set(e,r);return r}(r(9));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return i=function(){return e,e}(0,n.default)("JSXAttribute",{visitor:["name","value"],aliases:["JSX","Immutable"],fields:{name:{validate:(0,n.assertNodeType)("JSXIdentifier","JSXNamespacedName")},value:{optional:!0,validate:(0,n.assertNodeType)("JSXElement","JSXFragment","StringLiteral","JSXExpressionContainer")}}}),0,n.default)("JSXClosingElement",{visitor:["name"],aliases:["JSX","Immutable"],fields:{name:{validate:(0,n.assertNodeType)("JSXIdentifier","JSXMemberExpression","JSXNamespacedName")}}}),0,n.default)("JSXElement",{builder:["openingElement","closingElement","children","selfClosing"],visitor:["openingElement","children","closingElement"],aliases:["JSX","Immutable","Expression"],fields:{openingElement:{validate:(0,n.assertNodeType)("JSXOpeningElement")},closingElement:{optional:!0,validate:(0,n.assertNodeType)("JSXClosingElement")},children:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("JSXText","JSXExpressionContainer","JSXSpreadChild","JSXElement","JSXFragment"))},selfClosing:{validate:(0,n.assertValueType)("boolean"),optional:!0}}}),0,n.default)("JSXEmptyExpression",{aliases:["JSX"]}),0,n.default)("JSXExpressionContainer",{visitor:["expression"],aliases:["JSX","Immutable"],fields:{expression:{validate:(0,n.assertNodeType)("Expression","JSXEmptyExpression")}}}),0,n.default)("JSXSpreadChild",{visitor:["expression"],aliases:["JSX","Immutable"],fields:{expression:{validate:(0,n.assertNodeType)("Expression")}}}),0,n.default)("JSXIdentifier",{builder:["name"],aliases:["JSX"],fields:{name:{validate:(0,n.assertValueType)("string")}}}),0,n.default)("JSXMemberExpression",{visitor:["object","property"],aliases:["JSX"],fields:{object:{validate:(0,n.assertNodeType)("JSXMemberExpression","JSXIdentifier")},property:{validate:(0,n.assertNodeType)("JSXIdentifier")}}}),0,n.default)("JSXNamespacedName",{visitor:["namespace","name"],aliases:["JSX"],fields:{namespace:{validate:(0,n.assertNodeType)("JSXIdentifier")},name:{validate:(0,n.assertNodeType)("JSXIdentifier")}}}),0,n.default)("JSXOpeningElement",{builder:["name","attributes","selfClosing"],visitor:["name","attributes"],aliases:["JSX","Immutable"],fields:{name:{validate:(0,n.assertNodeType)("JSXIdentifier","JSXMemberExpression","JSXNamespacedName")},selfClosing:{default:!1},attributes:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("JSXAttribute","JSXSpreadAttribute"))},typeParameters:{validate:(0,n.assertNodeType)("TypeParameterInstantiation","TSTypeParameterInstantiation"),optional:!0}}}),0,n.default)("JSXSpreadAttribute",{visitor:["argument"],aliases:["JSX"],fields:{argument:{validate:(0,n.assertNodeType)("Expression")}}}),0,n.default)("JSXText",{aliases:["JSX","Immutable"],builder:["value"],fields:{value:{validate:(0,n.assertValueType)("string")}}}),0,n.default)("JSXFragment",{builder:["openingFragment","closingFragment","children"],visitor:["openingFragment","children","closingFragment"],aliases:["JSX","Immutable","Expression"],fields:{openingFragment:{validate:(0,n.assertNodeType)("JSXOpeningFragment")},closingFragment:{validate:(0,n.assertNodeType)("JSXClosingFragment")},children:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("JSXText","JSXExpressionContainer","JSXSpreadChild","JSXElement","JSXFragment"))}}}),0,n.default)("JSXOpeningFragment",{aliases:["JSX","Immutable"]}),0,n.default)("JSXClosingFragment",{aliases:["JSX","Immutable"]}}),function(e,t,r){ "use strict";var

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n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(9)),i=r(83);function s(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return s=function(){return
e,e}(0,n.default)("Noop",{visitor:[]}),0,n.default)("Placeholder",{visitor:[],builder:["expectedNode","name"],fields:
{name:{validate:(0,n.assertNodeType)("Identifier")},expectedNode:{validate:(0,n.assertOneOf)(...i.PLACEHOLD
ERS)}}}),0,n.default)("V8IntrinsicIdentifier",{builder:["name"],fields:{name:{validate:(0,n.assertValueType)("stri
ng")}}}),function(e,t,r){"use strict";var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(9)),i=r(50);function s(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return s=function(){return
e,e}(0,n.default)("ArgumentPlaceholder",{}),0,n.default)("BindExpression",{visitor:["object","callee"],aliases:["E
xpression"],fields:process.env.BABEL_TYPES_8_BREAKING?{object:{validate:(0,n.assertNodeType)("Expressio
n")},callee:{validate:(0,n.assertNodeType)("Expression")}}:{object:{validate:Object.assign(=>{}},{oneOfNodeTy
pes:["Expression"]}}),callee:{validate:Object.assign(=>{}},{oneOfNodeTypes:["Expression"]}}}),0,n.default)("
ClassProperty",{visitor:["key","value","typeAnnotation","decorators"],builder:["key","value","typeAnnotation","dec
orators","computed","static"],aliases:["Property"],fields:Object.assign({,i.classMethodOrPropertyCommon,{value:
{validate:(0,n.assertNodeType)("Expression"),optional:!0},definite:{validate:(0,n.assertValueType)("boolean"),opti
onal:!0},typeAnnotation:{validate:(0,n.assertNodeType)("TypeAnnotation","TSTypeAnnotation","Noop"),optional:
!0},decorators:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("Decorat
or"))),optional:!0},readonly:{validate:(0,n.assertValueType)("boolean"),optional:!0},declare:{validate:(0,n.assertVa
lueType)("boolean"),optional:!0}}}),0,n.default)("PipelineTopicExpression",{builder:["expression"],visitor:["expr
ession"],fields:{expression:{validate:(0,n.assertNodeType)("Expression")}}}),0,n.default)("PipelineBareFunction",
{builder:["callee"],visitor:["callee"],fields:{callee:{validate:(0,n.assertNodeType)("Expression")}}}),0,n.default)("
PipelinePrimaryTopicReference",{aliases:["Expression"]}),0,n.default)("ClassPrivateProperty",{visitor:["key","val
ue","decorators"],builder:["key","value","decorators","static"],aliases:["Property","Private"],fields:{key:{validate:(0
,n.assertNodeType)("PrivateName")},value:{validate:(0,n.assertNodeType)("Expression"),optional:!0},decorators:{
validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("Decorator"))),optional:
!0}}}),0,n.default)("ClassPrivateMethod",{builder:["kind","key","params","body","static"],visitor:["key","params",
"body","decorators","returnType","typeParameters"],aliases:["Function","Scopable","BlockParent","FunctionParent
","Method","Private"],fields:Object.assign({,i.classMethodOrDeclareMethodCommon,i.functionTypeAnnotationC
ommon,{key:{validate:(0,n.assertNodeType)("PrivateName")},body:{validate:(0,n.assertNodeType)("BlockStateme
nt")}}}),0,n.default)("ImportAttribute",{visitor:["key","value"],fields:{key:{validate:(0,n.assertNodeType)("Identi
fier","StringLiteral")},value:{validate:(0,n.assertNodeType)("StringLiteral")}}}),0,n.default)("Decorator",{visitor:[
"expression"],fields:{expression:{validate:(0,n.assertNodeType)("Expression")}}}),0,n.default)("DoExpression",{v
isitor:["body"],aliases:["Expression"],fields:{body:{validate:(0,n.assertNodeType)("BlockStatement")}}}),0,n.defa
ult)("ExportDefaultSpecifier",{visitor:["exported"],aliases:["ModuleSpecifier"],fields:{exported:{validate:(0,n.asser
tNodeType)("Identifier")}}}),0,n.default)("PrivateName",{visitor:["id"],aliases:["Private"],fields:{id:{validate:(0,n.
assertNodeType)("Identifier")}}}),0,n.default)("RecordExpression",{visitor:["properties"],aliases:["Expression"],fi
elds:{properties:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("Object
Property","SpreadElement"))}}}),0,n.default)("TupleExpression",{fields:{elements:{validate:(0,n.chain)((0,n.asse
rtValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("Expression","SpreadElement"))},default:[]},visitor:[

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"elements"],aliases:["Expression"])),(0,n.default)("DecimalLiteral",{builder:["value"],fields:{value:{validate:(0,n.assertValueType)("string")}},aliases:["Expression","Pureish","Literal","Immutable"]}),n.default)("StaticBlock",{visitor:["body"],fields:{body:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("Statement"))}},aliases:["Scopable","BlockParent"]}),function(e,t,r){ "use strict";var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in e)if(Object.prototype.hasOwnProperty.call(e,i)){var a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}r.default=e,t&&t.set(e,r);return r}(r(9)),i=r(50);function s(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return s=function(){return e},e}const a=(0,n.assertValueType)("boolean"),o={returnType:{validate:(0,n.assertNodeType)("TSTypeAnnotation","Noop"),optional:!0},typeParameters:{validate:(0,n.assertNodeType)("TSTypeParameterDeclaration","Noop"),optional:!0}};(0,n.default)("TSPROPERTY",{aliases:["LVal"],visitor:["parameter"],fields:{accessibility:{validate:(0,n.assertOneOf)("public","private","protected"),optional:!0},readonly:{validate:(0,n.assertValueType)("boolean"),optional:!0},parameter:{validate:(0,n.assertNodeType)("Identifier","AssignmentPattern")}}}),n.default)("TSDeclareFunction",{aliases:["Statement","Declaration"],visitor:["id","typeParameters","params","returnType"],fields:Object.assign({},i.functionDeclarationCommon,o)},n.default)("TSDeclareMethod",{visitor:["decorators","key","typeParameters","params","returnType"],fields:Object.assign({},i.classMethodOrDeclareMethodCommon,o)},n.default)("TSQualifiedName",{aliases:["TSEntityName"],visitor:["left","right"],fields:{left:(0,n.validateType)("TSEntityName"),right:(0,n.validateType)("Identifier")}});const l={typeParameters:(0,n.validateOptionalType)("TSTypeParameterDeclaration"),parameters:(0,n.validateArrayOfType)(["Identifier","RestElement"]),typeAnnotation:(0,n.validateOptionalType)("TSTypeAnnotation")},c={aliases:["TSTypeElement"],visitor:["typeParameters","parameters","typeAnnotation"],fields:};(0,n.default)("TSCallSignatureDeclaration",c),(0,n.default)("TSConstructSignatureDeclaration",c);const p={key:(0,n.validateType)("Expression"),computed:(0,n.validate)(a),optional:(0,n.validateOptional)(a)};(0,n.default)("TSPropertySignature",{aliases:["TSTypeElement"],visitor:["key","typeAnnotation","initializer"],fields:Object.assign({},p,{readonly:(0,n.validateOptional)(a),typeAnnotation:(0,n.validateOptionalType)("TSTypeAnnotation"),initializer:(0,n.validateOptionalType)("Expression")}}}),n.default)("TSMethodSignature",{aliases:["TSTypeElement"],visitor:["key","typeParameters","parameters","typeAnnotation"],fields:Object.assign({},l,p)},n.default)("TSIndexSignature",{aliases:["TSTypeElement"],visitor:["parameters","typeAnnotation"],fields:{readonly:(0,n.validateOptional)(a),parameters:(0,n.validateArrayOfType)("Identifier"),typeAnnotation:(0,n.validateOptionalType)("TSTypeAnnotation")}});const u=["TSAnyKeyword","TSBooleanKeyword","TSBigIntKeyword","TSIntrinsicKeyword","TSNeverKeyword","TSNullKeyword","TSNumberKeyword","TSObjectKeyword","TSStringKeyword","TSSymbolKeyword","TSUndefinedKeyword","TSUnknownKeyword","TSVoidKeyword"];for(const e of u)(0,n.default)(e,{aliases:["TSType","TSBaseType"],visitor:[],fields:});(0,n.default)("TSThisType",{aliases:["TSType","TSBaseType"],visitor:[],fields:});const d={aliases:["TSType"],visitor:["typeParameters","parameters","typeAnnotation"],fields:l};(0,n.default)("TSFunctionType",d),(0,n.default)("TSConstructorType",d),(0,n.default)("TSTypeReference",{aliases:["TSType"],visitor:["typeName","typeParameters"],fields:{typeName:(0,n.validateType)("TSEntityName"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterInstantiation")}}}),n.default)("TSTypePredicate",{aliases:["TSType"],visitor:["parameterName","typeAnnotation"],builder:["parameterName","typeAnnotation","asserts"],fields:{parameterName:(0,n.validateType)(["Identifier","TSThisType"]),typeAnnotation:(0,n.validateOptionalType)("TSTypeAnnotation"),asserts:(0,n.validateOptional)(a)}},n.default)("TSTypeQuery",{aliases:["TSType"],visitor:["exprName"],fields:{exprName:(0,n.validateType)(["TSEntityName","TSImportType"]}}}),n.default)("TSTypeLiteral",{aliases:["TSType"],visitor:["members"],fields:{members:(0,n.validateArrayOfType)("TSTypeElement")}}},n.default)("TSArrayType",{aliases:["TSType"],visitor:["elementType"],fields:{elementType:(0,n.validateType)("TSType")}}}),n.default

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)("TSTupleType",{aliases:["TSType"],visitor:["elementTypes"],fields:{elementTypes:(0,n.validateArrayOfType)("TSType","TSNamedTupleMember"))}),
(0,n.default)("TSOptionalType",{aliases:["TSType"],visitor:["typeAnnotation"],fields:{typeAnnotation:(0,n.validateType)("TSType"))}),
(0,n.default)("TSRestType",{aliases:["TSType"],visitor:["typeAnnotation"],fields:{typeAnnotation:(0,n.validateType)("TSType"))}),
(0,n.default)("TSNamedTupleMember",{visitor:["label","elementType"],builder:["label","elementType","optional"],fields:{label:(0,n.validateType)("Identifier"),optional:{validate:a,default:!1},elementType:(0,n.validateType)("TSType")});const
h={aliases:["TSType"],visitor:["types"],fields:{types:(0,n.validateArrayOfType)("TSType")});
(0,n.default)("TSUnionType",h),
(0,n.default)("TSIntersectionType",h),
(0,n.default)("TSConditionalType",{aliases:["TSType"],visitor:["checkType","extendsType","trueType","falseType"],fields:{checkType:(0,n.validateType)("TSType"),extendsType:(0,n.validateType)("TSType"),trueType:(0,n.validateType)("TSType"),falseType:(0,n.validateType)("TSType")}),
(0,n.default)("TSInferType",{aliases:["TSType"],visitor:["typeParameter"],fields:{typeParameter:(0,n.validateType)("TSTypeParameter"))}),
(0,n.default)("TSParenthesizedType",{aliases:["TSType"],visitor:["typeAnnotation"],fields:{typeAnnotation:(0,n.validateType)("TSType")}),
(0,n.default)("TSTypeOperator",{aliases:["TSType"],visitor:["typeAnnotation"],fields:{operator:(0,n.validate)((0,n.assertValueType)("string")),typeAnnotation:(0,n.validateType)("TSType")}),
(0,n.default)("TSIndexedAccessType",{aliases:["TSType"],visitor:["objectType","indexType"],fields:{objectType:(0,n.validateType)("TSType"),indexType:(0,n.validateType)("TSType")}),
(0,n.default)("TSMappedType",{aliases:["TSType"],visitor:["typeParameter","typeAnnotation","nameType"],fields:{readonly:(0,n.validateOptional)(a),typeParameter:(0,n.validateType)("TSTypeParameter"),optional:(0,n.validateOptional)(a),typeAnnotation:(0,n.validateOptionalType)("TSType"),nameType:(0,n.validateOptionalType)("TSType")}),
(0,n.default)("TSLiteralType",{aliases:["TSType","TSBaseType"],visitor:["literal"],fields:{literal:(0,n.validateType)(["NumericLiteral","StringLiteral","BooleanLiteral","BigIntLiteral"])}),
(0,n.default)("TSExpressionWithTypeArguments",{aliases:["TSType"],visitor:["expression","typeParameters"],fields:{expression:(0,n.validateType)("TSEntityName"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterInstantiation")}),
(0,n.default)("TSInterfaceDeclaration",{aliases:["Statement","Declaration"],visitor:["id","typeParameters","extends","body"],fields:{declare:(0,n.validateOptional)(a),id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterDeclaration"),extends:(0,n.validateOptional)((0,n.arrayOfType)("TSExpressionWithTypeArguments")),body:(0,n.validateType)("TSInterfaceBody")}),
(0,n.default)("TSInterfaceBody",{visitor:["body"],fields:{body:(0,n.validateArrayOfType)("TSTypeElement")}),
(0,n.default)("TSTypeAliasDeclaration",{aliases:["Statement","Declaration"],visitor:["id","typeParameters","typeAnnotation"],fields:{declare:(0,n.validateOptional)(a),id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterDeclaration"),typeAnnotation:(0,n.validateType)("TSType")}),
(0,n.default)("TSAExpression",{aliases:["Expression"],visitor:["expression","typeAnnotation"],fields:{expression:(0,n.validateType)("Expression"),typeAnnotation:(0,n.validateType)("TSType")}),
(0,n.default)("TSTypeAssertion",{aliases:["Expression"],visitor:["typeAnnotation","expression"],fields:{typeAnnotation:(0,n.validateType)("TSType"),expression:(0,n.validateType)("Expression")}),
(0,n.default)("TSEnumDeclaration",{aliases:["Statement","Declaration"],visitor:["id","members"],fields:{declare:(0,n.validateOptional)(a),const:(0,n.validateOptional)(a),id:(0,n.validateType)("Identifier"),members:(0,n.validateArrayOfType)("TSEnumMember"),initializer:(0,n.validateOptionalType)("Expression")}),
(0,n.default)("TSEnumMember",{visitor:["id","initializer"],fields:{id:(0,n.validateType)("Identifier","StringLiteral"),initializer:(0,n.validateOptionalType)("Expression")}),
(0,n.default)("TSModuleDeclaration",{aliases:["Statement","Declaration"],visitor:["id","body"],fields:{declare:(0,n.validateOptional)(a),global:(0,n.validateOptional)(a),id:(0,n.validateType)("Identifier","StringLiteral"),body:(0,n.validateType)("TSModuleBlock","TSModuleDeclaration")}),
(0,n.default)("TSModuleBlock",{aliases:["Scopable","Block","BlockParent"],visitor:["body"],fields:{body:(0,n.validateArrayOfType)("Statement")}),
(0,n.default)("TSImportType",{aliases:["TSType"],visitor:["argument","qualifier","typeParameters"],fields:{argument:(0,n.validateType)("StringLiteral"),qualifier:(0,n.validateOptionalType)("TSEntityName"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterInstantiation")}),
(0,n.default)("TSImportEqualsDeclaration",{aliases:["Statement"],visitor:["id","moduleReference"],fields:{isExport:(0,n.validate)(a),id:(0,n.validateType)("Identifier"),moduleReference:(0,n.validateType)("TSEntityName","TSExternalModuleReference")}),
(0,n.default)("TSExternalModuleReference",{visitor:["expression"],fields:{expression:(0,n.validateType)("StringLiteral")}),
(0,n.default)("TSNonNullExpression",{aliases:["Expression"],visitor:[

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"expression"],fields:{expression:(0,n.validateType)("Expression"))}), (0,n.default)("TSExportAssignment",{aliases:
["Statement"],visitor:["expression"],fields:{expression:(0,n.validateType)("Expression"))}), (0,n.default)("TSNames
paceExportDeclaration",{aliases:["Statement"],visitor:["id"],fields:{id:(0,n.validateType)("Identifier"))}), (0,n.defau
lt)("TSTypeAnnotation",{visitor:["typeAnnotation"],fields:{typeAnnotation:{validate:(0,n.assertNodeType)("TSTy
pe")}}}), (0,n.default)("TSTypeParameterInstantiation",{visitor:["params"],fields:{params:{validate:(0,n.chain)((0,n
.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("TSType"))}}}), (0,n.default)("TSTypeParamete
rDeclaration",{visitor:["params"],fields:{params:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEac
h)((0,n.assertNodeType)("TSTypeParameter"))}}}), (0,n.default)("TSTypeParameter",{builder:["constraint","default
","name"],visitor:["constraint","default"],fields:{name:{validate:(0,n.assertValueType)("string")},constraint:{valida
te:(0,n.assertNodeType)("TSType"),optional:!0},default:{validate:(0,n.assertNodeType)("TSType"),optional:!0}})
}),function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if(!(0,i.default)(e)){var t;const
r=null!=(t=null==e?void 0:e.type)?t:JSON.stringify(e);throw new TypeError("Not a valid node of type
"${r}")}};var n,i=(n=r(84))&&n.__esModule?n:{default:n}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.assertArrayExpression=function(e,t){s("ArrayExpres
sion",e,t)},t.assertAssignmentExpression=function(e,t){s("AssignmentExpression",e,t)},t.assertBinaryExpressio
n=function(e,t){s("BinaryExpression",e,t)},t.assertInterpreterDirective=function(e,t){s("InterpreterDirective"
,e,t)},t.assertDirective=function(e,t){s("Directive",e,t)},t.assertDirectiveLiteral=function(e,t){s("DirectiveLit
eral",e,t)},t.assertBlockStatement=function(e,t){s("BlockStatement",e,t)},t.assertBreakStatement=function(e,t={
}){s("BreakStatement",e,t)},t.assertCallExpression=function(e,t){s("CallExpression",e,t)},t.assertCatchClause=f
unction(e,t){s("CatchClause",e,t)},t.assertConditionalExpression=function(e,t){s("ConditionalExpression",e
,t)},t.assertContinueStatement=function(e,t){s("ContinueStatement",e,t)},t.assertDebuggerStatement=function(e,t
={}){s("DebuggerStatement",e,t)},t.assertDoWhileStatement=function(e,t){s("DoWhileStatement",e,t)},t.assert
EmptyStatement=function(e,t){s("EmptyStatement",e,t)},t.assertExpressionStatement=function(e,t){s("Expr
essionStatement",e,t)},t.assertFile=function(e,t){s("File",e,t)},t.assertForInStatement=function(e,t){s("ForIn
Statement",e,t)},t.assertForStatement=function(e,t){s("ForStatement",e,t)},t.assertFunctionDeclaration=function
(e,t){s("FunctionDeclaration",e,t)},t.assertFunctionExpression=function(e,t){s("FunctionExpression",e,t)},t.
assertIdentifier=function(e,t){s("Identifier",e,t)},t.assertIfStatement=function(e,t){s("IfStatement",e,t)},t.asse
rtLabeledStatement=function(e,t){s("LabeledStatement",e,t)},t.assertStringLiteral=function(e,t){s("StringLit
eral",e,t)},t.assertNumericLiteral=function(e,t){s("NumericLiteral",e,t)},t.assertNullLiteral=function(e,t){s("
NullLiteral",e,t)},t.assertBooleanLiteral=function(e,t){s("BooleanLiteral",e,t)},t.assertRegExpLiteral=function(e
,t){s("RegExpLiteral",e,t)},t.assertLogicalExpression=function(e,t){s("LogicalExpression",e,t)},t.assertMem
berExpression=function(e,t){s("MemberExpression",e,t)},t.assertNewExpression=function(e,t){s("NewExpr
ession",e,t)},t.assertProgram=function(e,t){s("Program",e,t)},t.assertObjectExpression=function(e,t){s("Obje
ctExpression",e,t)},t.assertObjectMethod=function(e,t){s("ObjectMethod",e,t)},t.assertObjectProperty=function(
e,t){s("ObjectProperty",e,t)},t.assertRestElement=function(e,t){s("RestElement",e,t)},t.assertReturnStateme
nt=function(e,t){s("ReturnStatement",e,t)},t.assertSequenceExpression=function(e,t){s("SequenceExpressio
n",e,t)},t.assertParenthesizedExpression=function(e,t){s("ParenthesizedExpression",e,t)},t.assertSwitchCase=f
unction(e,t){s("SwitchCase",e,t)},t.assertSwitchStatement=function(e,t){s("SwitchStatement",e,t)},t.assertThis
Expression=function(e,t){s("ThisExpression",e,t)},t.assertThrowStatement=function(e,t){s("ThrowStatemen
t",e,t)},t.assertTryStatement=function(e,t){s("TryStatement",e,t)},t.assertUnaryExpression=function(e,t){s("
UnaryExpression",e,t)},t.assertUpdateExpression=function(e,t){s("UpdateExpression",e,t)},t.assertVariableDecl
aration=function(e,t){s("VariableDeclaration",e,t)},t.assertVariableDeclarator=function(e,t){s("VariableDecl
arator",e,t)},t.assertWhileStatement=function(e,t){s("WhileStatement",e,t)},t.assertWithStatement=function(e,t
={}){s("WithStatement",e,t)},t.assertAssignmentPattern=function(e,t){s("AssignmentPattern",e,t)},t.assertArrayP
attern=function(e,t){s("ArrayPattern",e,t)},t.assertArrowFunctionExpression=function(e,t){s("ArrowFunction
Expression",e,t)},t.assertClassBody=function(e,t){s("ClassBody",e,t)},t.assertClassExpression=function(e,t={
}){s("ClassExpression",e,t)},t.assertClassDeclaration=function(e,t){s("ClassDeclaration",e,t)},t.assertExportAllID

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eclaration=function(e,t={}){s("ExportAllDeclaration",e,t)},t.assertExportDefaultDeclaration=function(e,t={}){s("ExportDefaultDeclaration",e,t)},t.assertExportNamedDeclaration=function(e,t={}){s("ExportNamedDeclaration",e,t)},t.assertExportSpecifier=function(e,t={}){s("ExportSpecifier",e,t)},t.assertForOfStatement=function(e,t={}){s("ForOfStatement",e,t)},t.assertImportDeclaration=function(e,t={}){s("ImportDeclaration",e,t)},t.assertImportDefaultSpecifier=function(e,t={}){s("ImportDefaultSpecifier",e,t)},t.assertImportNamespaceSpecifier=function(e,t={}){s("ImportNamespaceSpecifier",e,t)},t.assertImportSpecifier=function(e,t={}){s("ImportSpecifier",e,t)},t.assertMetaProperty=function(e,t={}){s("MetaProperty",e,t)},t.assertClassMethod=function(e,t={}){s("ClassMethod",e,t)},t.assertObjectPattern=function(e,t={}){s("ObjectPattern",e,t)},t.assertSpreadElement=function(e,t={}){s("SpreadElement",e,t)},t.assertSuper=function(e,t={}){s("Super",e,t)},t.assertTaggedTemplateExpression=function(e,t={}){s("TaggedTemplateExpression",e,t)},t.assertTemplateElement=function(e,t={}){s("TemplateElement",e,t)},t.assertTemplateLiteral=function(e,t={}){s("TemplateLiteral",e,t)},t.assertYieldExpression=function(e,t={}){s("YieldExpression",e,t)},t.assertAwaitExpression=function(e,t={}){s("AwaitExpression",e,t)},t.assertImport=function(e,t={}){s("Import",e,t)},t.assertBigIntLiteral=function(e,t={}){s("BigIntLiteral",e,t)},t.assertExportNamespaceSpecifier=function(e,t={}){s("ExportNamespaceSpecifier",e,t)},t.assertOptionalMemberExpression=function(e,t={}){s("OptionalMemberExpression",e,t)},t.assertOptionalCallExpression=function(e,t={}){s("OptionalCallExpression",e,t)},t.assertAnyTypeAnnotation=function(e,t={}){s("AnyTypeAnnotation",e,t)},t.assertArrayTypeAnnotation=function(e,t={}){s("ArrayTypeAnnotation",e,t)},t.assertBooleanTypeAnnotation=function(e,t={}){s("BooleanTypeAnnotation",e,t)},t.assertBooleanLiteralTypeAnnotation=function(e,t={}){s("BooleanLiteralTypeAnnotation",e,t)},t.assertNullLiteralTypeAnnotation=function(e,t={}){s("NullLiteralTypeAnnotation",e,t)},t.assertClassImplements=function(e,t={}){s("ClassImplements",e,t)},t.assertDeclareClass=function(e,t={}){s("DeclareClass",e,t)},t.assertDeclareFunction=function(e,t={}){s("DeclareFunction",e,t)},t.assertDeclareInterface=function(e,t={}){s("DeclareInterface",e,t)},t.assertDeclareModule=function(e,t={}){s("DeclareModule",e,t)},t.assertDeclareModuleExports=function(e,t={}){s("DeclareModuleExports",e,t)},t.assertDeclareTypeAlias=function(e,t={}){s("DeclareTypeAlias",e,t)},t.assertDeclareOpaqueType=function(e,t={}){s("DeclareOpaqueType",e,t)},t.assertDeclareVariable=function(e,t={}){s("DeclareVariable",e,t)},t.assertDeclareExportDeclaration=function(e,t={}){s("DeclareExportDeclaration",e,t)},t.assertDeclareExportAllDeclaration=function(e,t={}){s("DeclareExportAllDeclaration",e,t)},t.assertDeclaredPredicate=function(e,t={}){s("DeclaredPredicate",e,t)},t.assertExistsTypeAnnotation=function(e,t={}){s("ExistsTypeAnnotation",e,t)},t.assertFunctionTypeAnnotation=function(e,t={}){s("FunctionTypeAnnotation",e,t)},t.assertFunctionTypeParam=function(e,t={}){s("FunctionTypeParam",e,t)},t.assertGenericTypeAnnotation=function(e,t={}){s("GenericTypeAnnotation",e,t)},t.assertInferredPredicate=function(e,t={}){s("InferredPredicate",e,t)},t.assertInterfaceExtends=function(e,t={}){s("InterfaceExtends",e,t)},t.assertInterfaceDeclaration=function(e,t={}){s("InterfaceDeclaration",e,t)},t.assertInterfaceTypeAnnotation=function(e,t={}){s("InterfaceTypeAnnotation",e,t)},t.assertIntersectionTypeAnnotation=function(e,t={}){s("IntersectionTypeAnnotation",e,t)},t.assertMixedTypeAnnotation=function(e,t={}){s("MixedTypeAnnotation",e,t)},t.assertEmptyTypeAnnotation=function(e,t={}){s("EmptyTypeAnnotation",e,t)},t.assertNullableTypeAnnotation=function(e,t={}){s("NullableTypeAnnotation",e,t)},t.assertNumberLiteralTypeAnnotation=function(e,t={}){s("NumberLiteralTypeAnnotation",e,t)},t.assertNumberTypeAnnotation=function(e,t={}){s("NumberTypeAnnotation",e,t)},t.assertObjectTypeAnnotation=function(e,t={}){s("ObjectTypeAnnotation",e,t)},t.assertObjectTypeInternalSlot=function(e,t={}){s("ObjectTypeInternalSlot",e,t)},t.assertObjectTypeCallProperty=function(e,t={}){s("ObjectTypeCallProperty",e,t)},t.assertObjectTypeIndexer=function(e,t={}){s("ObjectTypeIndexer",e,t)},t.assertObjectTypeProperty=function(e,t={}){s("ObjectTypeProperty",e,t)},t.assertObjectTypeSpreadProperty=function(e,t={}){s("ObjectTypeSpreadProperty",e,t)},t.assertOpaqueType=function(e,t={}){s("OpaqueType",e,t)},t.assertQualifiedTypeIdentifier=function(e,t={}){s("QualifiedTypeIdentifier",e,t)},t.assertStringLiteralTypeAnnotation=function(e,t={}){s("StringLiteralTypeAnnotation",e,t)},t.assertStringTypeAnnotation=function(e,t={}){s("StringTypeAnnotation",e,t)},t.assertSymbolTypeAnnotation=function(e,t={}){s("SymbolTypeAnnotation",e,t)},t.assertThisTypeAnnotation=function(e,t={}){s("ThisTypeAnnotation",e,t)},t.assertTupleTypeAnnotation=function(e,t={}){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e,t),t.assertTypeParameterDeclaration=function(e,t={}){s("TypeParameterDeclaration",e,t)},t.assertTypeParameterInstantiation=function(e,t={}){s("TypeParameterInstantiation",e,t)},t.assertUnionTypeAnnotation=function(e,t={}){s("UnionTypeAnnotation",e,t)},t.assertVariance=function(e,t={}){s("Variance",e,t)},t.assertVoidTypeAnnotation=function(e,t={}){s("VoidTypeAnnotation",e,t)},t.assertEnumDeclaration=function(e,t={}){s("EnumDeclaration",e,t)},t.assertEnumBooleanBody=function(e,t={}){s("EnumBooleanBody",e,t)},t.assertEnumNumberBody=function(e,t={}){s("EnumNumberBody",e,t)},t.assertEnumStringBody=function(e,t={}){s("EnumStringBody",e,t)},t.assertEnumSymbolBody=function(e,t={}){s("EnumSymbolBody",e,t)},t.assertEnumBooleanMember=function(e,t={}){s("EnumBooleanMember",e,t)},t.assertEnumNumberMember=function(e,t={}){s("EnumNumberMember",e,t)},t.assertEnumStringMember=function(e,t={}){s("EnumStringMember",e,t)},t.assertEnumDefaultedMember=function(e,t={}){s("EnumDefaultedMember",e,t)},t.assertJSXAttribute=function(e,t={}){s("JSXAttribute",e,t)},t.assertJSXClosingElement=function(e,t={}){s("JSXClosingElement",e,t)},t.assertJSXElement=function(e,t={}){s("JSXElement",e,t)},t.assertJSXEmptyExpression=function(e,t={}){s("JSXEmptyExpression",e,t)},t.assertJSXExpressionContainer=function(e,t={}){s("JSXExpressionContainer",e,t)},t.assertJSXSpreadChild=function(e,t={}){s("JSXSpreadChild",e,t)},t.assertJSXIdentifier=function(e,t={}){s("JSXIdentifier",e,t)},t.assertJSXMemberExpression=function(e,t={}){s("JSXMemberExpression",e,t)},t.assertJSXNamespacedName=function(e,t={}){s("JSXNamespacedName",e,t)},t.assertJSXOpeningElement=function(e,t={}){s("JSXOpeningElement",e,t)},t.assertJSXSpreadAttribute=function(e,t={}){s("JSXSpreadAttribute",e,t)},t.assertJSXText=function(e,t={}){s("JSXText",e,t)},t.assertJSXFragment=function(e,t={}){s("JSXFragment",e,t)},t.assertJSXOpeningFragment=function(e,t={}){s("JSXOpeningFragment",e,t)},t.assertJSXClosingFragment=function(e,t={}){s("JSXClosingFragment",e,t)},t.assertNoop=function(e,t={}){s("Noop",e,t)},t.assertPlaceholder=function(e,t={}){s("Placeholder",e,t)},t.assertV8IntrinsicIdentifier=function(e,t={}){s("V8IntrinsicIdentifier",e,t)},t.assertArgumentPlaceholder=function(e,t={}){s("ArgumentPlaceholder",e,t)},t.assertBindExpression=function(e,t={}){s("BindExpression",e,t)},t.assertClassProperty=function(e,t={}){s("ClassProperty",e,t)},t.assertPipelineTopicExpression=function(e,t={}){s("PipelineTopicExpression",e,t)},t.assertPipelineBareFunction=function(e,t={}){s("PipelineBareFunction",e,t)},t.assertPipelinePrimaryTopicReference=function(e,t={}){s("PipelinePrimaryTopicReference",e,t)},t.assertClassPrivateProperty=function(e,t={}){s("ClassPrivateProperty",e,t)},t.assertClassPrivateMethod=function(e,t={}){s("ClassPrivateMethod",e,t)},t.assertImportAttribute=function(e,t={}){s("ImportAttribute",e,t)},t.assertDecorator=function(e,t={}){s("Decorator",e,t)},t.assertDoExpression=function(e,t={}){s("DoExpression",e,t)},t.assertExportDefaultSpecifier=function(e,t={}){s("ExportDefaultSpecifier",e,t)},t.assertPrivateName=function(e,t={}){s("PrivateName",e,t)},t.assertRecordExpression=function(e,t={}){s("RecordExpression",e,t)},t.assertTupleExpression=function(e,t={}){s("TupleExpression",e,t)},t.assertDecimalLiteral=function(e,t={}){s("DecimalLiteral",e,t)},t.assertStaticBlock=function(e,t={}){s("StaticBlock",e,t)},t.assertTSPParameterProperty=function(e,t={}){s("TSPParameterProperty",e,t)},t.assertTSDeclareFunction=function(e,t={}){s("TSDeclareFunction",e,t)},t.assertTSDeclareMethod=function(e,t={}){s("TSDeclareMethod",e,t)},t.assertTSQualifiedName=function(e,t={}){s("TSQualifiedName",e,t)},t.assertTSCallSignatureDeclaration=function(e,t={}){s("TSCallSignatureDeclaration",e,t)},t.assertTSConstructSignatureDeclaration=function(e,t={}){s("TSConstructSignatureDeclaration",e,t)},t.assertTSPPropertySignature=function(e,t={}){s("TSPPropertySignature",e,t)},t.assertTSMMethodSignature=function(e,t={}){s("TSMMethodSignature",e,t)},t.assertTSIndexSignature=function(e,t={}){s("TSIndexSignature",e,t)},t.assertTSAnyKeyword=function(e,t={}){s("TSAnyKeyword",e,t)},t.assertTSBooleanKeyword=function(e,t={}){s("TSBooleanKeyword",e,t)},t.assertTSBigIntKeyword=function(e,t={}){s("TSBigIntKeyword",e,t)},t.assertTSIntrinsicKeyword=function(e,t={}){s("TSIntrinsicKeyword",e,t)},t.assertTSNeverKeyword=function(e,t={}){s("TSNeverKeyword",e,t)},t.assertTSNullKeyword=function(e,t={}){s("TSNullKeyword",e,t)},t.assertTSNumberKeyword=function(e,t={}){s("TSNumberKeyword",e,t)},t.assertTSObjectKeyword=function(e,t={}){s("TSObjectKeyword",e,t)},t.assertTSStringKeyword=function(e,t={}){s("TSStringKeyword",e,t)},t.assertTSSymbolKeyword=function(e,t={}){s("TSSymbolKeyword",e,t)},t.assertTSUndefinedKeyword=function(e,t={}){s("TSUndefinedKeyword",e,t)},t.assertTSUnknownKeyword=function(e,t={}){s("TSUnknownKeyword",e,t)},t.assertTSVoidKeyword=function(e,t={}){s("TSVoidKeyword",e,t)},t.assertTSThisType=function(e,t={}){s("TSThisType",e,t)},t.assertTSFunctionType=function(e,t={}){s("TSFunctionType",e,t)},t.assertTSConstructorType=function(e,t={}){s("TSConstructorType",e,t)},t.assertTSTypeReference=function(e,t={}){s("TSTypeReference",e,t)},t.assertTSTypePredicate=function(e,t={}){s("TSTypePredi

cate",e,t)},t.assertTSTypeQuery=function(e,t={}){s("TSTypeQuery",e,t)},t.assertTSTypeLiteral=function(e,t={}){s("TSTypeLiteral",e,t)},t.assertTSArrayType=function(e,t={}){s("TSArrayType",e,t)},t.assertTSTupleType=function(e,t={}){s("TSTupleType",e,t)},t.assertTSOptionalType=function(e,t={}){s("TSOptionalType",e,t)},t.assertTSRestType=function(e,t={}){s("TSRestType",e,t)},t.assertTSNamedTupleMember=function(e,t={}){s("TSNamedTupleMember",e,t)},t.assertTSUnionType=function(e,t={}){s("TSUnionType",e,t)},t.assertTSIntersectionType=function(e,t={}){s("TSIntersectionType",e,t)},t.assertTSConditionalType=function(e,t={}){s("TSConditionalType",e,t)},t.assertTSInferType=function(e,t={}){s("TSInferType",e,t)},t.assertTSParenthesizedType=function(e,t={}){s("TSParenthesizedType",e,t)},t.assertTSTypeOperator=function(e,t={}){s("TSTypeOperator",e,t)},t.assertTSIndexedAccessType=function(e,t={}){s("TSIndexedAccessType",e,t)},t.assertTSMappedType=function(e,t={}){s("TSMappedType",e,t)},t.assertTSLiteralType=function(e,t={}){s("TSLiteralType",e,t)},t.assertTSExpressionWithTypeArguments=function(e,t={}){s("TSExpressionWithTypeArguments",e,t)},t.assertTSInterfaceDeclaration=function(e,t={}){s("TSInterfaceDeclaration",e,t)},t.assertTSInterfaceBody=function(e,t={}){s("TSInterfaceBody",e,t)},t.assertTSTypeAliasDeclaration=function(e,t={}){s("TSTypeAliasDeclaration",e,t)},t.assertTSAsExpression=function(e,t={}){s("TSAsExpression",e,t)},t.assertTSTypeAssertion=function(e,t={}){s("TSTypeAssertion",e,t)},t.assertTSEnumDeclaration=function(e,t={}){s("TSEnumDeclaration",e,t)},t.assertTSEnumMember=function(e,t={}){s("TSEnumMember",e,t)},t.assertTSModuleDeclaration=function(e,t={}){s("TSModuleDeclaration",e,t)},t.assertTSModuleBlock=function(e,t={}){s("TSModuleBlock",e,t)},t.assertTSImportType=function(e,t={}){s("TSImportType",e,t)},t.assertTSImportEqualsDeclaration=function(e,t={}){s("TSImportEqualsDeclaration",e,t)},t.assertTSExternalModuleReference=function(e,t={}){s("TSExternalModuleReference",e,t)},t.assertTSNonNullExpression=function(e,t={}){s("TSNonNullExpression",e,t)},t.assertTSExportAssignment=function(e,t={}){s("TSExportAssignment",e,t)},t.assertTSNamespaceExportDeclaration=function(e,t={}){s("TSNamespaceExportDeclaration",e,t)},t.assertTSTypeAnnotation=function(e,t={}){s("TSTypeAnnotation",e,t)},t.assertTSTypeParameterInstantiation=function(e,t={}){s("TSTypeParameterInstantiation",e,t)},t.assertTSTypeParameterDeclaration=function(e,t={}){s("TSTypeParameterDeclaration",e,t)},t.assertTSTypeParameter=function(e,t={}){s("TSTypeParameter",e,t)},t.assertExpression=function(e,t={}){s("Expression",e,t)},t.assertBinary=function(e,t={}){s("Binary",e,t)},t.assertScopable=function(e,t={}){s("Scopable",e,t)},t.assertBlockParent=function(e,t={}){s("BlockParent",e,t)},t.assertBlock=function(e,t={}){s("Block",e,t)},t.assertStatement=function(e,t={}){s("Statement",e,t)},t.assertTerminatorless=function(e,t={}){s("Terminatorless",e,t)},t.assertCompletionStatement=function(e,t={}){s("CompletionStatement",e,t)},t.assertConditional=function(e,t={}){s("Conditional",e,t)},t.assertLoop=function(e,t={}){s("Loop",e,t)},t.assertWhile=function(e,t={}){s("While",e,t)},t.assertExpressionWrapper=function(e,t={}){s("ExpressionWrapper",e,t)},t.assertFor=function(e,t={}){s("For",e,t)},t.assertForXStatement=function(e,t={}){s("ForXStatement",e,t)},t.assertFunction=function(e,t={}){s("Function",e,t)},t.assertFunctionParent=function(e,t={}){s("FunctionParent",e,t)},t.assertPureish=function(e,t={}){s("Pureish",e,t)},t.assertDeclaration=function(e,t={}){s("Declaration",e,t)},t.assertPatternLike=function(e,t={}){s("PatternLike",e,t)},t.assertLVal=function(e,t={}){s("LVal",e,t)},t.assertTSEntityName=function(e,t={}){s("TSEntityName",e,t)},t.assertLiteral=function(e,t={}){s("Literal",e,t)},t.assertImmutable=function(e,t={}){s("Immutable",e,t)},t.assertUserWhitespacable=function(e,t={}){s("UserWhitespacable",e,t)},t.assertMethod=function(e,t={}){s("Method",e,t)},t.assertObjectMember=function(e,t={}){s("ObjectMember",e,t)},t.assertProperty=function(e,t={}){s("Property",e,t)},t.assertUnaryLike=function(e,t={}){s("UnaryLike",e,t)},t.assertPattern=function(e,t={}){s("Pattern",e,t)},t.assertClass=function(e,t={}){s("Class",e,t)},t.assertModuleDeclaration=function(e,t={}){s("ModuleDeclaration",e,t)},t.assertExportDeclaration=function(e,t={}){s("ExportDeclaration",e,t)},t.assertModuleSpecifier=function(e,t={}){s("ModuleSpecifier",e,t)},t.assertFlow=function(e,t={}){s("Flow",e,t)},t.assertFlowType=function(e,t={}){s("FlowType",e,t)},t.assertFlowBaseAnnotation=function(e,t={}){s("FlowBaseAnnotation",e,t)},t.assertFlowDeclaration=function(e,t={}){s("FlowDeclaration",e,t)},t.assertFlowPredicate=function(e,t={}){s("FlowPredicate",e,t)},t.assertEnumBody=function(e,t={}){s("EnumBody",e,t)},t.assertEnumMember=function(e,t={}){s("EnumMember",e,t)},t.assertJSX=function(e,t={}){s("JSX",e,t)},t.assertPrivate=function(e,t={}){s("Private",e,t)},t.assertTSTypeElement=function(e,t={}){s("TSTypeElement",e,t)},t.assertTSType=function(e,t={}){s("TSType",e,t)},t.assertTSBaseType=function(e,t={}){s("TSBaseType",e,t)},t.assertNumberLiteral=function(e,t){console.trace("The node type NumberLiteral has been renamed to NumericLiteral"),s("NumberLiteral",e,t)},t.assertRegexLiteral=function(e,t){console.trace("The node

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type RegexpLiteral has been renamed to
RegExpLiteral"),s("RegexpLiteral",e,t)},t.assertRestProperty=function(e,t){console.trace("The node type
RestProperty has been renamed to
RestElement"),s("RestProperty",e,t)},t.assertSpreadProperty=function(e,t){console.trace("The node type
SpreadProperty has been renamed to SpreadElement"),s("SpreadProperty",e,t)};var
n,i=(n=r(34))&&n.__esModule?n:{default:n};function s(e,t,r){if(!0,i.default)(e,t,r)throw new Error("Expected type
"${e}" with option ${JSON.stringify(r)}, but instead got "${t.type}".`)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if("string"===e)return(0,n.stringTyp
eAnnotation());if("number"===e)return(0,n.numberTypeAnnotation());if("undefined"===e)return(0,n.voidTypeAnn
otation());if("boolean"===e)return(0,n.booleanTypeAnnotation());if("function"===e)return(0,n.genericTypeAnnotat
ion)((0,n.identifier)("Function"));if("object"===e)return(0,n.genericTypeAnnotation)((0,n.identifier)("Object"));if("
symbol"===e)return(0,n.genericTypeAnnotation)((0,n.identifier)("Symbol"));throw new Error("Invalid type of
value")};var n=r(4)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const t=(0,s.default)(e);return
1===t.length?t[0):(0,i.unionTypeAnnotation)(t)};var
n,i=r(4),s=(n=r(85))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const
t=e.map(e=>e.typeAnnotations),r=(0,s.default)(t);return 1===r.length?r[0):(0,i.tsUnionType)(r)};var
n,i=r(4),s=(n=r(221))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const t={},r={},i=[],s=[];for(let
t=0;t<e.length;t++){const
a=e[t];if(a&&!s.indexOf(a)>=0){if((0,n.isTSAnyKeyword)(a.type))return[a];(0,n.isTSBaseType)(a)?r[a.type]=a:(0
,n.isTSUnionType)(a)?i.indexOf(a.types)<0&&(e=e.concat(a.types),i.push(a.types)):s.push(a)}for(const e of
Object.keys(r))s.push(r[e]);for(const e of Object.keys(t))s.push(t[e]);return s};var n=r(2)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,i.default)(e,!1)};var
n,i=(n=r(14))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,i.default)(e)};var
n,i=(n=r(14))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,i.default)(e,!0,!0)};var
n,i=(n=r(14))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,i.default)(e,!1,!0)};var
n,i=(n=r(14))&&n.__esModule?n:{default:n}},function(e,t,r,n){return(0,i.default)(e,t,[{type:n?"
CommentLine":"CommentBlock",value:r}]);var
n,i=(n=r(86))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return
n.COMMENT_KEYS.forEach(t=>{e[t]=null}),e};var n=r(13)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.TSBASETYPE_TYPES=t.TSTYPE_TYPES=t.TSTYPE
ELEMENT_TYPES=t.PRIVATE_TYPES=t.JSX_TYPES=t.ENUMMEMBER_TYPES=t.ENUMBODY_TYPES=t
.FLOWPREDICATE_TYPES=t.FLOWDECLARATION_TYPES=t.FLOWBASEANNOTATION_TYPES=t.FLO
WTYPE_TYPES=t.FLOW_TYPES=t.MODULESPECIFIER_TYPES=t.EXPORTDECLARATION_TYPES=t.MO
DULEDECLARATION_TYPES=t.CLASS_TYPES=t.PATTERN_TYPES=t.UNARYLIKE_TYPES=t.PROPERT
Y_TYPES=t.OBJECTMEMBER_TYPES=t.METHOD_TYPES=t.USERWHITESPACABLE_TYPES=t.IMMUTA
BLE_TYPES=t.LITERAL_TYPES=t.TSENTITYNAME_TYPES=t.LVAL_TYPES=t.PATTERNLIKE_TYPES=t
.DECLARATION_TYPES=t.PUREISH_TYPES=t.FUNCTIONPARENT_TYPES=t.FUNCTION_TYPES=t.FORX
STATEMENT_TYPES=t.FOR_TYPES=t.EXPRESSIONWRAPPER_TYPES=t.WHILE_TYPES=t.LOOP_TYPES
=t.CONDITIONAL_TYPES=t.COMPLETIONSTATEMENT_TYPES=t.TERMINATORLESS_TYPES=t.STATE
MENT_TYPES=t.BLOCK_TYPES=t.BLOCKPARENT_TYPES=t.SCOPABLE_TYPES=t.BINARY_TYPES=t.E

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XPRESSION_TYPES=void 0;var n=r(5);const
i=n.FLIPPED_ALIAS_KEYS.Expression;t.EXPRESSION_TYPES=i;const
s=n.FLIPPED_ALIAS_KEYS.Binary;t.BINARY_TYPES=s;const
a=n.FLIPPED_ALIAS_KEYS.Scopable;t.SCOPABLE_TYPES=a;const
o=n.FLIPPED_ALIAS_KEYS.BlockParent;t.BLOCKPARENT_TYPES=o;const
l=n.FLIPPED_ALIAS_KEYS.Block;t.BLOCK_TYPES=l;const
c=n.FLIPPED_ALIAS_KEYS.Statement;t.STATEMENT_TYPES=c;const
p=n.FLIPPED_ALIAS_KEYS.Terminatorless;t.TERMINATORLESS_TYPES=p;const
u=n.FLIPPED_ALIAS_KEYS.CompletionStatement;t.COMPLETIONSTATEMENT_TYPES=u;const
d=n.FLIPPED_ALIAS_KEYS.Conditional;t.CONDITIONAL_TYPES=d;const
h=n.FLIPPED_ALIAS_KEYS.Loop;t.LOOP_TYPES=h;const
f=n.FLIPPED_ALIAS_KEYS.While;t.WHILE_TYPES=f;const
m=n.FLIPPED_ALIAS_KEYS.ExpressionWrapper;t.EXPRESSIONWRAPPER_TYPES=m;const
y=n.FLIPPED_ALIAS_KEYS.For;t.FOR_TYPES=y;const
T=n.FLIPPED_ALIAS_KEYS.ForXStatement;t.FORXSTATEMENT_TYPES=T;const
b=n.FLIPPED_ALIAS_KEYS.Function;t.FUNCTION_TYPES=b;const
g=n.FLIPPED_ALIAS_KEYS.FunctionParent;t.FUNCTIONPARENT_TYPES=g;const
S=n.FLIPPED_ALIAS_KEYS.Pureish;t.PUREISH_TYPES=S;const
x=n.FLIPPED_ALIAS_KEYS.Declaration;t.DECLARATION_TYPES=x;const
E=n.FLIPPED_ALIAS_KEYS.PatternLike;t.PATTERNLIKE_TYPES=E;const
P=n.FLIPPED_ALIAS_KEYS.LVal;t.LVAL_TYPES=P;const
v=n.FLIPPED_ALIAS_KEYS.TSEntityName;t.TSENTITYNAME_TYPES=v;const
A=n.FLIPPED_ALIAS_KEYS.Literal;t.LITERAL_TYPES=A;const
w=n.FLIPPED_ALIAS_KEYS.Immutable;t.IMMUTABLE_TYPES=w;const
O=n.FLIPPED_ALIAS_KEYS.UserWhitespacable;t.USERWHITESPACABLE_TYPES=O;const
I=n.FLIPPED_ALIAS_KEYS.Method;t.METHOD_TYPES=I;const
C=n.FLIPPED_ALIAS_KEYS.ObjectMember;t.OBJECTMEMBER_TYPES=C;const
N=n.FLIPPED_ALIAS_KEYS.Property;t.PROPERTY_TYPES=N;const
k=n.FLIPPED_ALIAS_KEYS.UnaryLike;t.UNARYLIKE_TYPES=k;const
D=n.FLIPPED_ALIAS_KEYS.Pattern;t.PATTERN_TYPES=D;const
_=n.FLIPPED_ALIAS_KEYS.Class;t.CLASS_TYPES=_;const
L=n.FLIPPED_ALIAS_KEYS.ModuleDeclaration;t.MODULEDECLARATION_TYPES=L;const
M=n.FLIPPED_ALIAS_KEYS.ExportDeclaration;t.EXPORTDECLARATION_TYPES=M;const
j=n.FLIPPED_ALIAS_KEYS.ModuleSpecifier;t.MODULESPECIFIER_TYPES=j;const
F=n.FLIPPED_ALIAS_KEYS.Flow;t.FLOW_TYPES=F;const
R=n.FLIPPED_ALIAS_KEYS.FlowType;t.FLOWTYPE_TYPES=R;const
B=n.FLIPPED_ALIAS_KEYS.FlowBaseAnnotation;t.FLOWBASEANNOTATION_TYPES=B;const
U=n.FLIPPED_ALIAS_KEYS.FlowDeclaration;t.FLOWDECLARATION_TYPES=U;const
V=n.FLIPPED_ALIAS_KEYS.FlowPredicate;t.FLOWPREDICATE_TYPES=V;const
K=n.FLIPPED_ALIAS_KEYS.EnumBody;t.ENUMBODY_TYPES=K;const
q=n.FLIPPED_ALIAS_KEYS.EnumMember;t.ENUMMEMBER_TYPES=q;const
Y=n.FLIPPED_ALIAS_KEYS.JSX;t.JSX_TYPES=Y;const
W=n.FLIPPED_ALIAS_KEYS.Private;t.PRIVATE_TYPES=W;const
X=n.FLIPPED_ALIAS_KEYS.TSTypeElement;t.TSTYPEELEMENT_TYPES=X;const
J=n.FLIPPED_ALIAS_KEYS.TSType;t.TSTYPE_TYPES=J;const
H=n.FLIPPED_ALIAS_KEYS.TSBaseType;t.TSBASETYPE_TYPES=H},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t="body"){return
e[t]=(0,i.default)(e[t],e)};var n,i=(n=r(91))&&n.__esModule?n:{default:n}},function(e,t,r){"use

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strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){"eval"!==(e=(0,i.default)(e))&&"arguments"!==(e||e=="_"+e);return e};var n,i=(n=r(92))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t=e.key||e.property){!e.computed&&(
0,n.isIdentifier)(t)&&(t=(0,i.stringLiteral)(t.name));return t};var n=r(2),i=r(4)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){(0,n.isExpressionStatement)(e)&&(e
=e.expression);if((0,n.isExpression)(e))return
e;(0,n.isClass)(e)?e.type="ClassExpression":(0,n.isFunction)(e)&&(e.type="FunctionExpression");if(!(0,n.isExpress
ion)(e))throw new Error(`cannot turn ${e.type} to an expression`);return e};var n=r(2)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=o;var n=r(2),i=a(r(14)),s=a(r(93));function
a(e){return e&&e.__esModule?e:{default:e}}function o(e,t=e.key){let
r;return"method"===e.kind?o.increment()+"":(r=(0,n.isIdentifier)(t)?t.name:(0,n.isStringLiteral)(t)?JSON.stringify(t
.value):JSON.stringify((0,s.default)((0,i.default)(t))),e.computed&&(r=`[${r}]`),e.static&&(r="static:"+r),r)}o.uid=0
,o.increment=function(){return o.uid>=Number.MAX_SAFE_INTEGER?o.uid=0:o.uid++}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(!null===e?void
0:e.length))return;const r=[],n=(0,i.default)(e,t,r);if(!n)return;for(const e of r)t.push(e);return n};var
n,i=(n=r(235))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t,r,o){const l=[];let c=!0;for(const p
of t)if((0,i.isEmptyStatement)(p)||c=!1,(0,i.isExpression)(p))l.push(p);else
if((0,i.isExpressionStatement)(p))l.push(p.expression);else
if((0,i.isVariableDeclaration)(p)){if("var"!==p.kind)return;for(const e of p.declarations){const
t=(0,n.default)(e);for(const e of
Object.keys(t))o.push({kind:p.kind,id:(0,a.default)(t[e]));e.init&&l.push((0,s.assignmentExpression)("=",e.id,e.init
))c=!0}else if((0,i.isIfStatement)(p)){const
t=p.consequent?e([p.consequent],r,o):r.buildUndefinedNode(),n=p.alternate?e([p.alternate],r,o):r.buildUndefinedNo
de();if(!t||!n)return;l.push((0,s.conditionalExpression)(p.test,t,n))}else if((0,i.isBlockStatement)(p)){const
t=e(p.body,r,o);if(!t)return;l.push(t)}else if(!0,i.isEmptyStatement)(p))return;0===t.indexOf(p)&&(c=!0)}c&&l.pu
sh(r.buildUndefinedNode());return 1===l.length?l[0):(0,s.sequenceExpression)(l)};var
n=o(r(35)),i=r(2),s=r(4),a=o(r(14));function o(e){return e&&e.__esModule?e:{default:e}}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if((0,n.isStatement)(e))return e;let
r,s=!1;if((0,n.isClass)(e))s=!0,r="ClassDeclaration";else if((0,n.isFunction)(e))s=!0,r="FunctionDeclaration";else
if((0,n.isAssignmentExpression)(e))return(0,i.expressionStatement)(e);s&&!e.id&&(r=!1);if(!r){if(t)return!1;throw
new Error(`cannot turn ${e.type} to a statement`)}return e.type=r,e};var n=r(2),i=r(4)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t){if(void
0===t)return(0,a.identifier)("undefined");if(!0===t||1===t)return(0,a.booleanLiteral)(t);if(null===t)return(0,a.nullL
iteral());if("string"===typeof t)return(0,a.stringLiteral)(t);if("number"===typeof t){let
e;if(Number.isFinite(t))e=(0,a.numericLiteral)(Math.abs(t));else{let
r;r=Number.isNaN(t)?(0,a.numericLiteral)(0):(0,a.numericLiteral)(1),e=(0,a.binaryExpression)("",r,(0,a.numericLit
eral)(0))}return(t<0||Object.is(t,-0))&&(e=(0,a.unaryExpression)("-",e)),e}if((0,i.default)(t)){const
e=t.source,r=t.toString().match(/^(([a-
z]+)$)/[1];return(0,a.regExpLiteral)(e,r)}if(Array.isArray(t))return(0,a.arrayExpression)(t.map(e));if((0,n.default)(t)
){const r=[];for(const n of Object.keys(t)){let
i;i=(0,s.default)(n)?(0,a.identifier)(n):(0,a.stringLiteral)(n),r.push((0,a.objectProperty)(i,e(t[n])))}return(0,a.objectEx
pression)(r)}throw new Error("don't know how to turn this value into a node");};var
n=o(r(238)),i=o(r(239)),s=o(r(23)),a=r(4);function o(e){return
e&&e.__esModule?e:{default:e}}},function(e,t,r){var
n=r(18),i=r(47),s=r(12),a=Function.prototype,o=Object.prototype,l=a.toString,c=o.hasOwnProperty,p=l.call(Object)
;e.exports=function(e){if(!s(e)||"object Object"!==(n(e))return!1;var t=i(e);if(null===t)return!0;var
r=c.call(t,"constructor")&&t.constructor;return"function"===typeof r&&r instanceof

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r&&l.call(r)==p}},function(e,t,r){var
n=r(240),i=r(32),s=r(33),a=s&&s.isRegExp,o=a?i(a):n;e.exports=o},function(e,t,r){var
n=r(18),i=r(12);e.exports=function(e){return i(e)&&"[object RegExp]"===n(e)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r=!1){return
e.object=(0,n.memberExpression)(e.object,e.property,e.computed),e.property=t,e.computed=!r,e};var
n=r(4)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(!e||!t)return e;for(const r of
i.INHERIT_KEYS.optional)null==e[r]&&(e[r]=t[r]);for(const r of
Object.keys(t))_"===r[0]&&"__clone"!==r&&(e[r]=t[r]);for(const r of
i.INHERIT_KEYS.force)e[r]=t[r];return(0,s.default)(e,t,e);var
n,i=r(13),s=(n=r(89))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){return
e.object=(0,n.memberExpression)(t,e.object),e};var n=r(4)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){return(0,i.default)(e,t,!0)};var
n,i=(n=r(35))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){"function"===typeof
t&&(t={enter:t});const{enter:i,exit:s}=t;!function e(t,r,i,s,a){const
o=n.VISITOR_KEYS[t.type];if(!o)return;r&&r(t,a,s);for(const n of o){const o=t[n];if(Array.isArray(o))for(let
l=0;l<o.length;l++){const c=o[l];c&&(a.push({node:t,key:n,index:l}),e(c,r,i,s,a),a.pop())}else
o&&(a.push({node:t,key:n}),e(o,r,i,s,a),a.pop())}i&&i(t,a,s)}(e,i,s,r,[]);var n=r(5)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(r&&"Identifier"===e.type&&"
ObjectProperty"===t.type&&"ObjectExpression"===r.type)return!1;const n=i.default.keys[t.type];if(n)for(let
r=0;r<n.length;r++){const i=n[r],s=t[i];if(Array.isArray(s)){if(s.indexOf(e)>=0)return!0}else
if(s===e)return!0}return!1};var n,i=(n=r(35))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,i.isFunctionDeclaration)(e)||
(0,i.isClassDeclaration)(e)||(0,s.default)(e)};var
n,i=r(2),s=(n=r(96))&&n.__esModule?n:{default:n}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if((0,i.default)(e.type,"Immutable"))
return!0;if((0,s.isIdentifier)(e))return"undefined"===e.name;return!1};var
n,i=(n=r(51))&&n.__esModule?n:{default:n},s=r(2)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t,r){if("object"!==typeof
t||"object"!==typeof r||null===t||null===r)return t===r;if(t.type!==r.type)return!1;const
i=Object.keys(n.NODE_FIELDS[t.type]|t.type),s=n.VISITOR_KEYS[t.type];for(const n of i){if(typeof
t[n]!==typeof
r[n])return!1;if(null!==t[n]||null!==r[n]){if(null===t[n]||null===r[n])return!1;if(Array.isArray(t[n])){if(!Array.isArray(r[n]))
return!1;if(t[n].length!==r[n].length)return!1;for(let i=0;i<t[n].length;i++){if(!e(t[n][i],r[n][i]))return!1}
else
if("object"!==typeof t[n]||!(null===s?void 0:s.includes(n)))if(!e(t[n],r[n]))return!1}
else for(const e of
Object.keys(t[n]))if(t[n][e]!==r[n][e])return!1}}return!0};var n=r(5)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){switch(t.type){case"MemberExpres
sion":case"JSXMemberExpression":case"OptionalMemberExpression":return
t.property===e?!t.computed:t.object===e;case"VariableDeclarator":return
t.init===e;case"ArrowFunctionExpression":return
t.body===e;case"ExportSpecifier":return!t.source&&t.local===e;case"PrivateName":return!1;case"ClassMethod":c
ase"ClassPrivateMethod":case"ObjectMethod":if(t.params.includes(e))return!1;case"ObjectProperty":case"ClassPro
perty":case"ClassPrivateProperty":return
t.key===e?!t.computed:t.value!==e||(!r||"ObjectPattern"!==r.type);case"ClassDeclaration":case"ClassExpression":r
eturn t.superClass===e;case"AssignmentExpression":case"AssignmentPattern":return
t.right===e;case"LabeledStatement":case"CatchClause":case"RestElement":return!1;case"BreakStatement":case"Co

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ntinueStatement":return!1;case"FunctionDeclaration":case"FunctionExpression":return!1;case"ExportNamespaceSp
ecifier":case"ExportDefaultSpecifier":return!1;case"ImportDefaultSpecifier":case"ImportNamespaceSpecifier":case
"ImportSpecifier":case"JSXAttribute":return!1;case"ObjectPattern":case"ArrayPattern":case"MetaProperty":return!
1;case"ObjectTypeProperty":return t.key!==e;case"TSEnumMember":return
t.id!==e;case"TSPropertySignature":return t.key!==e||!t.computed}return!0}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if((0,n.isBlockStatement)(e)&&(0
,n.isFunction)(t)||((0,n.isCatchClause)(t)))return!1;if((0,n.isPattern)(e)&&(0,n.isFunction)(t)||((0,n.isCatchClause)(t)))
return!0;return(0,n.isScopable)(e)};var n=r(2)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.isImportDefaultSpecifier)
(e)||((0,n.isIdentifier)(e.imported||e.exported,{name:"default"}))};var n=r(2)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,i.default)(e)&&!s.has(e)};v
ar n,i=(n=r(23))&&n.__esModule?n:{default:n};const s=new
Set(["abstract","boolean","byte","char","double","enum","final","float","goto","implements","int","interface","long"
,"native","package","private","protected","public","short","static","synchronized","throws","transient","volatile"]);f
unction(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.isVariableDeclaration)(e,
{kind:"var"})&&!e[i.BLOCK_SCOPED_SYMBOL]};var n=r(2),i=r(13)},function(e,t,r){"undefined"===typeof
process||"renderer"===process.type||!0===process.browser||process.__nwjs?e.exports=r(256):e.exports=r(258)},func
tion(e,t,r){t.log=function(...e){return"object"===typeof
console&&console.log&&console.log(...e)},t.formatArgs=function(t){if(t[0]=(this.useColors?"%c":"")+this.namesp
ace+(this.useColors?"%c":"")+t[0]+(this.useColors?"%c":"
")+"+"+e.exports.humanize(this.diff),!this.useColors)return;const r="color: "+this.color;t.splice(1,0,r,"color:
inherit");let n=0,i=0;t[0].replace(/%[a-zA-
Z%]/g,e=>{"%%"===e&&(n++, "%c"===e&&(i=n)}),t.splice(i,0,r)},t.save=function(e){try{e?t.storage.setItem("de
bug",e):t.storage.removeItem("debug")}catch(e){}},t.load=function(){let
e;try{e=t.storage.getItem("debug")}catch(e){!e&&"undefined"!==typeof process&&"env"in
process&&(e=process.env.DEBUG);return e},t.useColors=function(){if("undefined"!==typeof
window&&window.process&&("renderer"===window.process.type||window.process.__nwjs))return!0;if("undefin
ed"!==typeof
navigator&&navigator.userAgent&&navigator.userAgent.toLowerCase().match(/(edge|trident)/(\d+)/))return!1;retu
rn"undefined"!==typeof
document&&document.documentElement&&document.documentElement.style&&document.documentElement.sty
le.WebkitAppearance||"undefined"!==typeof
window&&window.console&&(window.console.firebug||window.console.exception&&window.console.table)||"un
defined"!==typeof
navigator&&navigator.userAgent&&navigator.userAgent.toLowerCase().match(/firefox/(\d+)/)&&parseInt(RegEx
p.$1,10)>=31||"undefined"!==typeof
navigator&&navigator.userAgent&&navigator.userAgent.toLowerCase().match(/applewebkit/(\d+)/)),t.storage=fun
ction(){try{return
localStorage}catch(e){}}(),t.colors=["#0000CC","#0000FF","#0033CC","#0033FF","#0066CC","#0066FF","#0099
CC","#0099FF","#00CC00","#00CC33","#00CC66","#00CC99","#00CCCC","#00CCFF","#3300CC","#3300FF","#
3333CC","#3333FF","#3366CC","#3366FF","#3399CC","#3399FF","#33CC00","#33CC33","#33CC66","#33CC9
9","#33CCCC","#33CCFF","#6600CC","#6600FF","#6633CC","#6633FF","#66CC00","#66CC33","#9900CC","#9
900FF","#9933CC","#9933FF","#99CC00","#99CC33","#CC0000","#CC0033","#CC0066","#CC0099","#CC00C
C","#CC00FF","#CC3300","#CC3333","#CC3366","#CC3399","#CC33CC","#CC33FF","#CC6600","#CC6633","#
CC9900","#CC9933","#CCCC00","#CCCC33","#FF0000","#FF0033","#FF0066","#FF0099","#FF00CC","#FF00
FF","#FF3300","#FF3333","#FF3366","#FF3399","#FF33CC","#FF33FF","#FF6600","#FF6633","#FF9900","#FF
9933","#FFCC00","#FFCC33"],e.exports=r(97)(t);const{formatters:n}=e.exports;n.j=function(e){try{return

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JSON.stringify(e)}catch(e){return"[UnexpectedJSONParseError]: "+e.message}}},function(e,t){var
r=1e3,n=6e4,i=60*s,s=24*i;function a(e,t,r,n){var i=t>=1.5*r;return Math.round(e/r)+
"+n+(i?"s":"")}e.exports=function(e,t){t=t||{};var o=typeof e;if("string"===o&&e.length>0)return
function(e){if((e=String(e)).length>100)return;var t=/^(?:(?:\d+)?\.\d+
*(milliseconds?|msecs?|ms|seconds?|secs?|s|minutes?|mins?|m|hours?|hrs?|h|days?|d|weeks?|w|years?|yrs?|y)?$/i.exec
(e);if(!t)return;var
a=parseFloat(t[1]);switch((t[2]||"ms").toLowerCase()){case"years":case"year":case"yrs":case"yr":case"y":return
315576e5*a;case"weeks":case"week":case"w":return 6048e5*a;case"days":case"day":case"d":return
a*s;case"hours":case"hour":case"hrs":case"hr":case"h":return
a*i;case"minutes":case"minute":case"mins":case"min":case"m":return
a*n;case"seconds":case"second":case"secs":case"sec":case"s":return
a*r;case"milliseconds":case"millisecond":case"msecs":case"msec":case"ms":return
a;default:return}}(e);if("number"===o&&isFinite(e))return t.long?function(e){var t=Math.abs(e);if(t>=s)return
a(e,t,s,"day");if(t>=i)return a(e,t,i,"hour");if(t>=n)return a(e,t,n,"minute");if(t>=r)return a(e,t,r,"second");return e+"
ms"}(e):function(e){var t=Math.abs(e);if(t>=s)return Math.round(e/s)+"d";if(t>=i)return
Math.round(e/i)+"h";if(t>=n)return Math.round(e/n)+"m";if(t>=r)return Math.round(e/r)+"s";return
e+"ms"}(e);throw new Error("val is not a non-empty string or a valid number.
val="+JSON.stringify(e))}},function(e,t,r){const n=r(259),i=r(260);t.init=function(e){e.inspectOpts={};const
r=Object.keys(t.inspectOpts);for(let
n=0;n<r.length;n++)e.inspectOpts[r[n]]=t.inspectOpts[r[n]]},t.log=function(...e){return
process.stderr.write(i.format(...e)+"\n")},t.formatArgs=function(r){const{namespace:n,useColors:i}=this;if(i){const
t=this.color,i=" [3"+(t<8?t:"8;5;"+"t),s=` ${i};1m${n} ]
[0m`;r[0]=s+r[0].split("\n").join("\n"+s),r.push(i+"m+"+e.exports.humanize(this.diff)+" [0m)")}else
r[0]=function(){if(t.inspectOpts.hideDate)return"";return(new Date).toISOString()+" "+n+"
"+r[0]},t.save=function(e){e?process.env.DEBUG=e:delete process.env.DEBUG},t.load=function(){return
process.env.DEBUG},t.useColors=function(){return"colors"in
t.inspectOpts?Boolean(t.inspectOpts.colors):n.isatty(process.stderr.fd)},t.colors=[6,2,3,4,5,1];try{const
e=r(261);e&&(e.stderr||e).level>=2&&(t.colors=[20,21,26,27,32,33,38,39,40,41,42,43,44,45,56,57,62,63,68,69,74,7
5,76,77,78,79,80,81,92,93,98,99,112,113,128,129,134,135,148,149,160,161,162,163,164,165,166,167,168,169,170,
171,172,173,178,179,184,185,196,197,198,199,200,201,202,203,204,205,206,207,208,209,214,215,220,221])}catch
(e){t.inspectOpts=Object.keys(process.env).filter(e=>/^debug_/i.test(e)).reduce((e,t)=>{const
r=t.substring(6).toLowerCase().replace(/_([a-z])/g,(e,t)=>t.toUpperCase());let n=process.env[t];return
n=!/^yes|on|true|enabled$/i.test(n)||/^no|off|false|disabled$/i.test(n)&&("null"===n?null:Number(n)),e[r]=n,e},{
}),e.exports=r(97)(t);const{formatters:s}=e.exports;s.o=function(e){return
this.inspectOpts.colors=this.useColors,i.inspect(e,this.inspectOpts).replace(/\s*\n\s*/g," ")}},s.O=function(e){return
this.inspectOpts.colors=this.useColors,i.inspect(e,this.inspectOpts)}},function(e,t){e.exports=require("tty")},functio
n(e,t){e.exports=require("util")},function(e,t,r){ "use strict";const n=r(98),i=r(99),{env:s}=process;let a;function
o(e){return function(e){return
0!==(e&&{level:e,hasBasic:!0,has256:e>=2,has16m:e>=3})(function(e){if(0===a)return
0;if(i("color=16m")||i("color=full")||i("color=truecolor"))return 3;if(i("color=256"))return 2;if(e&&!e.isTTY&&void
0===a)return 0;const t=a||0;if("dumb"===s.TERM)return t;if("win32"===process.platform){const
e=n.release().split(".");return
Number(process.versions.node.split(".")[0])>=8&&Number(e[0])>=10&&Number(e[2])>=10586?Number(e[2])>=
14931?3:2:1}if("CI" in s)return["TRAVIS","CIRCLECI","APPVEYOR","GITLAB_CI"].some(e=>e in
s)||"codeship"===s.CI_NAME?1:t;if("TEAMCITY_VERSION" in s)return/^(9\.(0*[1-
9])\d*)\.\d{2,}\.)/.test(s.TEAMCITY_VERSION)?1:0;if("truecolor"===s.COLORTERM)return
3;if("TERM_PROGRAM" in s){const
e=parseInt((s.TERM_PROGRAM_VERSION||"").split(".")[0],10);switch(s.TERM_PROGRAM){case"iTerm.app":r

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return e>=3?3:2;case"Apple_Terminal":return 2} }return/-
256(color)?$/i.test(s.TERM)?2:/^screen|^xterm|^vt100|^vt220|^rxvt|color|ansi|cygwin|linux/i.test(s.TERM)||"COLO
RTERM"in s?1:t}(e))}i("no-color")||i("no-
colors")||i("color=false")||i("color=never")?a=0:(i("color")||i("colors")||i("color=true")||i("color=always"))&&(a=1),"
FORCE_COLOR"in
s&&(a!=0===s.FORCE_COLOR||"true"===s.FORCE_COLOR?1:1===s.FORCE_COLOR||"false"===s.FORCE_
COLOR?0:0===s.FORCE_COLOR.length?1:Math.min(parseInt(s.FORCE_COLOR,10),3)),e.exports={supportsColo
lor:o,stdout:o(process.stdout),stderr:o(process.stderr)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;s(r(101));var
n=s(r(263));!function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){ var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r)}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e){return e&&e.__esModule?e:{default:e}}const
a={ReferencedIdentifier({node:e},t){e.name===t.oldName&&(e.name=t.newName)},Scope(e,t){e.scope.bindingId
entifierEquals(t.oldName,t.binding.identifier)||e.skip()},"AssignmentExpression|Declaration|VariableDeclarator"(e,t)
{if(e.isVariableDeclaration())return;const r=e.getOuterBindingIdentifiers();for(const e in
r)e===t.oldName&&(r[e].name=t.newName)};t.default=class{constructor(e,t,r){this.newName=r,this.oldName=t,t
his.binding=e}maybeConvertFromExportDeclaration(e){const
t=e.parentPath;t.isExportDeclaration()&&(t.isExportDefaultDeclaration()&&!t.get("declaration").node.id||(0,n.defau
lt)(t))}maybeConvertFromClassFunctionDeclaration(e){}maybeConvertFromClassFunctionExpression(e){rename(
e){const{binding:t,oldName:r,newName:n}=this,{scope:i,path:s}=t,o=s.find(e=>e.isDeclaration())||e.isFunctionExpr
ession()||e.isClassExpression();if(o){o.getOuterBindingIdentifiers()[r]===t.identifier&&this.maybeConvertFromExp
ortDeclaration(o)}i.traverse(e||i.block,a,this),e||i.removeOwnBinding(r),i.bindings[n]=t,this.binding.identifier.nam
e=n,t.type,o&&(this.maybeConvertFromClassFunctionDeclaration(o),this.maybeConvertFromClassFunctionExpres
sion(o))}}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if(!e.isExportDeclaration())throw
new Error("Only export declarations can be split.");const
t=e.isExportDefaultDeclaration(),r=e.get("declaration"),i=r.isClassDeclaration();if(t){const
t=r.isFunctionDeclaration()||i,s=r.isScope()?r.scope.parent:r.scope;let
a=r.node.id,o=!1;all(o=!0,a=s.generateUidIdentifier("default"),(t||r.isFunctionExpression()||r.isClassExpression())&
&(r.node.id=n.cloneNode(a)));const
l=t?r:n.variableDeclaration("var",[n.variableDeclarator(n.cloneNode(a),r.node)]),c=n.exportNamedDeclaration(null,
[n.exportSpecifier(n.cloneNode(a),n.identifier("default"))]);return
e.insertAfter(c),e.replaceWith(l,o&&s.registerDeclaration(e),e)if(e.get("specifiers").length>0)throw new Error("It
doesn't make sense to split exported specifiers.");const
s=r.getOuterBindingIdentifiers(),a=Object.keys(s).map(e=>n.exportSpecifier(n.identifier(e),n.identifier(e))),o=n.exp
ortNamedDeclaration(null,a);return e.insertAfter(o),e.replaceWith(r.node),e};var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){ var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(20));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var

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n=(0,r(102).default)("React.Component");t.default=n},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return!!e&&/^[a-
z]/.test(e)}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const t=[];for(let
r=0;r<e.children.length;r++){let
s=e.children[r];(0,n.isJSXText)(s)?(0,i.default)(s,t):((0,n.isJSXExpressionContainer)(s)&&(s=s.expression),(0,n.isJS
XEmptyExpression)(s)||t.push(s))}return t};var n=r(1),i=r(267)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){const r=e.value.split(/\r\n|\n\r/);let
i=0;for(let e=0;e<r.length;e++)r[e].match(/^[^t]/)&&(i=e);let s="";for(let e=0;e<r.length;e++){const
t=r[e],n=0===e,a=e===r.length-1,o=e===i;let l=t.replace(/t/g," ");n||(l=l.replace(/^[^+]/,""),a||(l=l.replace(/
]+$/,""),l&&(o||(l+=" "),s+=l))s&&t.push((0,n.stringLiteral)(s));var n=r(3)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,...t){const
r=n.BUILDER_KEYS[e],s=t.length;if(s>r.length)throw new Error(` ${e}: Too many arguments passed. Received
${s} but can receive no more than ${r.length} `);const a={type:e};let o=0;r.forEach(r=>{const
i=n.NODE_FIELDS[e][r];let l;o<s&&(l=t[o]),void
0===l&&(l=Array.isArray(i.default)?i:i.default),a[r]=l,o++});for(const e of
Object.keys(a))(0,i.default)(a,e,a[e]);return a};var n=r(6),i=r(57)},function(e,t,r){ "use strict";var n=r(10);const
i=(e,t="TypeParameterDeclaration")=>{(0,n.default)(e,{builder:["id","typeParameters","extends","body"],visitor:["i
d","typeParameters","extends","mixins","implements","body"],aliases:["Flow","FlowDeclaration","Statement","Dec
laration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)(t),extends:(0,n.valid
ateOptional)((0,n.arrayOfType)("InterfaceExtends")),mixins:(0,n.validateOptional)((0,n.arrayOfType)("InterfaceExt
ends")),implements:(0,n.validateOptional)((0,n.arrayOfType)("ClassImplements")),body:(0,n.validateType)("Object
TypeAnnotation")}});(0,n.default)("AnyTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),
(0,n.default)("ArrayTypeAnnotation",{visitor:["elementType"],aliases:["Flow","FlowType"],fields:{elementType:(0
,n.validateType)("FlowType")}}),(0,n.default)("BooleanTypeAnnotation",{aliases:["Flow","FlowType","FlowBase
Annotation"]}),
(0,n.default)("BooleanLiteralTypeAnnotation",{builder:["value"],aliases:["Flow","FlowType"],field
s:{value:(0,n.validate)((0,n.assertValueType)("boolean"))}}),(0,n.default)("NullLiteralTypeAnnotation",{aliases:["F
low","FlowType","FlowBaseAnnotation"]}),
(0,n.default)("ClassImplements",{visitor:["id","typeParameters"],alias
es:["Flow"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterIns
tantiation")}}),i("DeclareClass"),(0,n.default)("DeclareFunction",{visitor:["id"],aliases:["Flow","FlowDeclaration","
Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),predicate:(0,n.validateOptionalType)("Declared
Predicate")}}),i("DeclareInterface"),(0,n.default)("DeclareModule",{builder:["id","body","kind"],visitor:["id","body
"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)(["Identifier","StringL
iteral"]),body:(0,n.validateType)("BlockStatement"),kind:(0,n.validateOptional)((0,n.assertOneOf)("CommonJS","E
S"))}}),(0,n.default)("DeclareModuleExports",{visitor:["typeAnnotation"],aliases:["Flow","FlowDeclaration","State
ment","Declaration"],fields:{typeAnnotation:(0,n.validateType)("TypeAnnotation")}}),(0,n.default)("DeclareTypeA
lias",{visitor:["id","typeParameters","right"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{i
d:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),right:(0,
n.validateType)("FlowType")}}),(0,n.default)("DeclareOpaqueType",{visitor:["id","typeParameters","supertype"],al
iases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),typeParamet
ers:(0,n.validateOptionalType)("TypeParameterDeclaration"),supertype:(0,n.validateOptionalType)("FlowType")}})
,(0,n.default)("DeclareVariable",{visitor:["id"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:
{id:(0,n.validateType)("Identifier")}}),(0,n.default)("DeclareExportDeclaration",{visitor:["declaration","specifiers",
"source"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{declaration:(0,n.validateOptionalTy
pe)("Flow"),specifiers:(0,n.validateOptional)((0,n.arrayOfType)(["ExportSpecifier","ExportNamespaceSpecifier"])),
source:(0,n.validateOptionalType)("StringLiteral"),default:(0,n.validateOptional)((0,n.assertValueType)("boolean"))
}}),(0,n.default)("DeclareExportAllDeclaration",{visitor:["source"],aliases:["Flow","FlowDeclaration","Statement",
"Declaration"],fields:{source:(0,n.validateType)("StringLiteral"),exportKind:(0,n.validateOptional)((0,n.assertOneOf

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f("type", "value")))),(0,n.default)("DeclaredPredicate",{visitor:["value"],aliases:["Flow","FlowPredicate"],fields:{value:(0,n.validateType)("Flow")}},(0,n.default)("ExistsTypeAnnotation",{aliases:["Flow","FlowType"]}), (0,n.default)("FunctionTypeAnnotation",{visitor:["typeParameters","params","rest","returnType"],aliases:["Flow","FlowType"],fields:{typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),params:(0,n.validate)((0,n.arrayOfType)("FunctionTypeParam")),rest:(0,n.validateOptionalType)("FunctionTypeParam"),this:(0,n.validateOptionalType)("FunctionTypeParam"),returnType:(0,n.validateType)("FlowType")}},(0,n.default)("FunctionTypeParam",{visitor:["name","typeAnnotation"],aliases:["Flow"],fields:{name:(0,n.validateOptionalType)("Identifier"),typeAnnotation:(0,n.validateType)("FlowType"),optional:(0,n.validateOptional)((0,n.assertValueType)("boolean"))}},(0,n.default)("GenericTypeAnnotation",{visitor:["id","typeParameters"],aliases:["Flow","FlowType"],fields:{id:(0,n.validateType)("Identifier","QualifiedTypeIdentifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterInstantiation")}},(0,n.default)("InferredPredicate",{aliases:["Flow","FlowPredicate"]}), (0,n.default)("InterfaceExtends",{visitor:["id","typeParameters"],aliases:["Flow"],fields:{id:(0,n.validateType)("Identifier","QualifiedTypeIdentifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterInstantiation")}},i("InterfaceDeclaration"),(0,n.default)("InterfaceTypeAnnotation",{visitor:["extends","body"],aliases:["Flow","FlowType"],fields:{extends:(0,n.validateOptional)((0,n.arrayOfType)("InterfaceExtends")),body:(0,n.validateType)("ObjectTypeAnnotation")}},(0,n.default)("IntersectionTypeAnnotation",{visitor:["types"],aliases:["Flow","FlowType"],fields:{types:(0,n.validate)((0,n.arrayOfType)("FlowType"))}},(0,n.default)("MixedTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}), (0,n.default)("EmptyTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}), (0,n.default)("NullableTypeAnnotation",{visitor:["typeAnnotation"],aliases:["Flow","FlowType"],fields:{typeAnnotation:(0,n.validateType)("FlowType")}},(0,n.default)("NumberLiteralTypeAnnotation",{builder:["value"],aliases:["Flow","FlowType"],fields:{value:(0,n.validate)((0,n.assertValueType)("number"))}},(0,n.default)("NumberTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}), (0,n.default)("ObjectTypeAnnotation",{visitor:["properties","indexers","callProperties","internalSlots"],aliases:["Flow","FlowType"],builder:["properties","indexers","callProperties","internalSlots","exact"],fields:{properties:(0,n.validate)((0,n.arrayOfType)("ObjectTypeProperty","ObjectTypeSpreadProperty")),indexers:(0,n.validateOptional)((0,n.arrayOfType)("ObjectTypeIndexer")),callProperties:(0,n.validateOptional)((0,n.arrayOfType)("ObjectTypeCallProperty")),internalSlots:(0,n.validateOptional)((0,n.arrayOfType)("ObjectTypeInternalSlot")),exact:{validate:(0,n.assertValueType)("boolean"),default:!1,inexact:(0,n.validateOptional)((0,n.assertValueType)("boolean"))}},(0,n.default)("ObjectTypeInternalSlot",{visitor:["id","value","optional","static","method"],aliases:["Flow","UserWhitespacable"],fields:{id:(0,n.validateType)("Identifier"),value:(0,n.validateType)("FlowType"),optional:(0,n.validate)((0,n.assertValueType)("boolean")),static:(0,n.validate)((0,n.assertValueType)("boolean")),method:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("ObjectTypeCallProperty",{visitor:["value"],aliases:["Flow","UserWhitespacable"],fields:{value:(0,n.validateType)("FlowType"),static:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("ObjectTypeIndexer",{visitor:["id","key","value","variance"],aliases:["Flow","UserWhitespacable"],fields:{id:(0,n.validateOptionalType)("Identifier"),key:(0,n.validateType)("FlowType"),value:(0,n.validateType)("FlowType"),static:(0,n.validate)((0,n.assertValueType)("boolean")),variance:(0,n.validateOptionalType)("Variance")}},(0,n.default)("ObjectTypeProperty",{visitor:["key","value","variance"],aliases:["Flow","UserWhitespacable"],fields:{key:(0,n.validateType)("Identifier","StringLiteral"),value:(0,n.validateType)("FlowType"),kind:(0,n.validate)((0,n.assertOneOf)("init","get","set")),static:(0,n.validate)((0,n.assertValueType)("boolean")),proto:(0,n.validate)((0,n.assertValueType)("boolean")),optional:(0,n.validate)((0,n.assertValueType)("boolean")),variance:(0,n.validateOptionalType)("Variance"),method:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("ObjectTypeSpreadProperty",{visitor:["argument"],aliases:["Flow","UserWhitespacable"],fields:{argument:(0,n.validateType)("FlowType")}},(0,n.default)("OpaqueType",{visitor:["id","typeParameters","supertype","impltype"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),supertype:(0,n.validateOptionalType)("FlowType"),impltype:(0,n.validateType)("FlowType")}},(0,n.default)("QualifiedTypeIdentifier",{visitor:["id","qualification"],aliases:["Flow"],fields:{id:(0,n.validateType)("Identifier"),qualification:(0,n.validateType)("Identifier","QualifiedTypeIdentifier")}},(0,n.default)("StringLiteralTypeAnnotation",{builder:["value"],aliases:["Flow","FlowType"],fields:{value:(0,n.validate)((0,n.assertValueType)("string"))}},(0,n.default)("StringType

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peAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),
(0,n.default)("SymbolTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),
(0,n.default)("ThisTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),
(0,n.default)("TupleTypeAnnotation",{visitor:["types"],aliases:["Flow","FlowType"],fields:{types:(0,n.validate)((0,n.arrayOfType)("FlowType"))}},(0,n.default)("TypeofTypeAnnotation",{visitor:["argument"],aliases:["Flow","FlowType"],fields:{argument:(0,n.validateType)("FlowType")}},(0,n.default)("TypeAlias",{visitor:["id","typeParameters","right"],aliases:["Flow","FlowDeclaration","Statement","Declaration"],fields:{id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TypeParameterDeclaration"),right:(0,n.validateType)("FlowType")}},(0,n.default)("TypeAnnotation",{aliases:["Flow"],visitor:["typeAnnotation"],fields:{typeAnnotation:(0,n.validateType)("FlowType")}},(0,n.default)("TypeCastExpression",{visitor:["expression","typeAnnotation"],aliases:["Flow","ExpressionWrapper","Expression"],fields:{expression:(0,n.validateType)("Expression"),typeAnnotation:(0,n.validateType)("TypeAnnotation")}},(0,n.default)("TypeParameter",{aliases:["Flow"],visitor:["bound","default","variance"],fields:{name:(0,n.validate)((0,n.assertValueType)("string")),bound:(0,n.validateOptionalType)("TypeAnnotation"),default:(0,n.validateOptionalType)("FlowType"),variance:(0,n.validateOptionalType)("Variance")}},(0,n.default)("TypeParameterDeclaration",{aliases:["Flow"],visitor:["params"],fields:{params:(0,n.validate)((0,n.arrayOfType)("TypeParameter"))}},(0,n.default)("TypeParameterInstantiation",{aliases:["Flow"],visitor:["params"],fields:{params:(0,n.validate)((0,n.arrayOfType)("FlowType"))}},(0,n.default)("UnionTypeAnnotation",{visitor:["types"],aliases:["Flow","FlowType"],fields:{types:(0,n.validate)((0,n.arrayOfType)("FlowType"))}},(0,n.default)("Variance",{aliases:["Flow"],builder:["kind"],fields:{kind:(0,n.validate)((0,n.assertOneOf)("minus","plus"))}},(0,n.default)("VoidTypeAnnotation",{aliases:["Flow","FlowType","FlowBaseAnnotation"]}),
(0,n.default)("EnumDeclaration",{aliases:["Statement","Declaration"],visitor:["id","body"],fields:{id:(0,n.validateType)("Identifier"),body:(0,n.validateType)(["EnumBooleanBody","EnumNumberBody","EnumStringBody","EnumSymbolBody"])}},(0,n.default)("EnumBooleanBody",{aliases:["EnumBody"],visitor:["members"],fields:{explicitType:(0,n.validate)((0,n.assertValueType)("boolean")),members:(0,n.validateArrayOfType)("EnumBooleanMember"),hasUnknownMembers:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("EnumNumberBody",{aliases:["EnumBody"],visitor:["members"],fields:{explicitType:(0,n.validate)((0,n.assertValueType)("boolean")),members:(0,n.validateArrayOfType)("EnumNumberMember"),hasUnknownMembers:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("EnumStringBody",{aliases:["EnumBody"],visitor:["members"],fields:{explicitType:(0,n.validate)((0,n.assertValueType)("boolean")),members:(0,n.validateArrayOfType)(["EnumStringMember","EnumDefaultedMember"]),hasUnknownMembers:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("EnumSymbolBody",{aliases:["EnumBody"],visitor:["members"],fields:{members:(0,n.validateArrayOfType)("EnumDefaultedMember"),hasUnknownMembers:(0,n.validate)((0,n.assertValueType)("boolean"))}},(0,n.default)("EnumBooleanMember",{aliases:["EnumMember"],visitor:["id"],fields:{id:(0,n.validateType)("Identifier"),init:(0,n.validateType)("BooleanLiteral")}},(0,n.default)("EnumNumberMember",{aliases:["EnumMember"],visitor:["id","init"],fields:{id:(0,n.validateType)("Identifier"),init:(0,n.validateType)("NumericLiteral")}},(0,n.default)("EnumStringMember",{aliases:["EnumMember"],visitor:["id","init"],fields:{id:(0,n.validateType)("Identifier"),init:(0,n.validateType)("StringLiteral")}},(0,n.default)("EnumDefaultedMember",{aliases:["EnumMember"],visitor:["id"],fields:{id:(0,n.validateType)("Identifier")}},(0,n.default)("IndexedAccessType",{visitor:["objectType","indexType"],aliases:["Flow","FlowType"],fields:{objectType:(0,n.validateType)("FlowType"),indexType:(0,n.validateType)("FlowType")}},(0,n.default)("OptionalIndexedAccessType",{visitor:["objectType","indexType"],aliases:["Flow","FlowType"],fields:{objectType:(0,n.validateType)("FlowType"),indexType:(0,n.validateType)("FlowType"),optional:(0,n.validate)((0,n.assertValueType)("boolean"))}}},function(e,t,r){
"use strict";var n=r(10);(0,n.default)("JSXAttribute",{visitor:["name","value"],aliases:["JSX","Immutable"],fields:{name:{validate:(0,n.assertNodeType)("JSXIdentifier","JSXNamespacedName")},value:{optional:!0,validate:(0,n.assertNodeType)("JSXElement","JSXFragment","StringLiteral","JSXExpressionContainer")}}},(0,n.default)("JSXClosingElement",{visitor:["name"],aliases:["JSX","Immutable"],fields:{name:{validate:(0,n.assertNodeType)("JSXIdentifier","JSXMemberExpression","JSXNamespacedName")}}},(0,n.default)("JSXElement",{builder:["openingElement","closingElement","children","selfClosing"],visitor:["openingElement","children","closingElement"],aliases:["JSX","Immutable","Expression"],fields:{openingElement:{validate:(0,n.assertNodeType)("JSXOpeningElement")},closingElement:

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{optional:!0,validate:(0,n.assertNodeType)("JSXClosingElement"),children:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("JSXText","JSXExpressionContainer","JSXSpreadChild","JSXElement","JSXFragment"))},selfClosing:{validate:(0,n.assertValueType)("boolean"),optional:!0}},(0,n.default)("JSXEmptyExpression",{aliases:["JSX"]}), (0,n.default)("JSXExpressionContainer",{visitor:["expression"],aliases:["JSX","Immutable"],fields:{expression:{validate:(0,n.assertNodeType)("Expression","JSXEmptyExpression")}}}), (0,n.default)("JSXSpreadChild",{visitor:["expression"],aliases:["JSX","Immutable"],fields:{expression:{validate:(0,n.assertNodeType)("Expression")}}}), (0,n.default)("JSXIdentifier",{builder:["name"],aliases:["JSX"],fields:{name:{validate:(0,n.assertValueType)("string")}}}), (0,n.default)("JSXMemberExpression",{visitor:["object","property"],aliases:["JSX"],fields:{object:{validate:(0,n.assertNodeType)("JSXMemberExpression","JSXIdentifier")},property:{validate:(0,n.assertNodeType)("JSXIdentifier")}}}), (0,n.default)("JSXNamespacedName",{visitor:["namespace","name"],aliases:["JSX"],fields:{namespace:{validate:(0,n.assertNodeType)("JSXIdentifier")},name:{validate:(0,n.assertNodeType)("JSXIdentifier")}}}), (0,n.default)("JSXOpeningElement",{builder:["name","attributes","selfClosing"],visitor:["name","attributes"],aliases:["JSX","Immutable"],fields:{name:{validate:(0,n.assertNodeType)("JSXIdentifier","JSXMemberExpression","JSXNamespacedName")},selfClosing:{default:!1},attributes:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("JSXAttribute","JSXSpreadAttribute"))}),typeParameters:{validate:(0,n.assertNodeType)("TypeParameterInstantiation","TSTypeParameterInstantiation"),optional:!0}},(0,n.default)("JSXSpreadAttribute",{visitor:["argument"],aliases:["JSX"],fields:{argument:{validate:(0,n.assertNodeType)("Expression")}}}), (0,n.default)("JSXText",{aliases:["JSX","Immutable"],builder:["value"],fields:{value:{validate:(0,n.assertValueType)("string")}}}), (0,n.default)("JSXFragment",{builder:["openingFragment","closingFragment","children"],visitor:["openingFragment","children","closingFragment"],aliases:["JSX","Immutable","Expression"],fields:{openingFragment:{validate:(0,n.assertNodeType)("JSXOpeningFragment")},closingFragment:{validate:(0,n.assertNodeType)("JSXClosingFragment")},children:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("JSXText","JSXExpressionContainer","JSXSpreadChild","JSXElement","JSXFragment"))}}}), (0,n.default)("JSXOpeningFragment",{aliases:["JSX","Immutable"]}), (0,n.default)("JSXClosingFragment",{aliases:["JSX","Immutable"]}),function(e,t,r){"use strict";var n=r(10),i=r(105);(0,n.default)("Noop",{visitor:[]}), (0,n.default)("Placeholder",{visitor:[],builder:["expectedNode","name"],fields:{name:{validate:(0,n.assertNodeType)("Identifier")},expectedNode:{validate:(0,n.assertOneOf)(...i.PLACEHOLDERS)}}}), (0,n.default)("V8IntrinsicIdentifier",{builder:["name"],fields:{name:{validate:(0,n.assertValueType)("string")}}}),function(e,t,r){"use strict";var n=r(10),i=r(55);(0,n.default)("ArgumentPlaceholder",{}), (0,n.default)("BindExpression",{visitor:["object","callee"],aliases:["Expression"],fields:process.env.BABEL_TYPES_8_BREAKING?{object:{validate:(0,n.assertNodeType)("Expression")},callee:{validate:(0,n.assertNodeType)("Expression")}}:{object:{validate:Object.assign(=>{}),{oneOfNodeTypes:["Expression"]}}},callee:{validate:Object.assign(=>{}),{oneOfNodeTypes:["Expression"]}}}), (0,n.default)("ClassProperty",{visitor:["key","value","typeAnnotation","decorators"],builder:["key","value","typeAnnotation","decorators","computed","static"],aliases:["Property"],fields:Object.assign({},i.classMethodOrPropertyCommon,{value:{validate:(0,n.assertNodeType)("Expression"),optional:!0},definite:{validate:(0,n.assertValueType)("boolean"),optional:!0},typeAnnotation:{validate:(0,n.assertNodeType)("TypeAnnotation","TSTypeAnnotation","Noop"),optional:!0},decorators:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("Decorator"))),optional:!0},readonly:{validate:(0,n.assertValueType)("boolean"),optional:!0},declare:{validate:(0,n.assertValueType)("boolean"),optional:!0}}}), (0,n.default)("PipelineTopicExpression",{builder:["expression"],visitor:["expression"],fields:{expression:{validate:(0,n.assertNodeType)("Expression")}}}), (0,n.default)("PipelineBareFunction",{builder:["callee"],visitor:["callee"],fields:{callee:{validate:(0,n.assertNodeType)("Expression")}}}), (0,n.default)("PipelinePrimaryTopicReference",{aliases:["Expression"]}), (0,n.default)("ClassPrivateProperty",{visitor:["key","value","decorators"],builder:["key","value","decorators","static"],aliases:["Property","Private"],fields:{key:{validate:(0,n.assertNodeType)("PrivateName")},value:{validate:(0,n.assertNodeType)("Expression"),optional:!0},typeAnnotation:{validate:(0,n.assertNodeType)("TypeAnnotation","TSTypeAnnotation","Noop"),optional:!0},decorators:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("Decorator"))),optional:!0}}}), (0,n.default)("ClassPrivateMethod",{builder:["kind","key","params","body","static"],visitor:["key","para

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ms", "body", "decorators", "returnType", "typeParameters"], aliases: ["Function", "Scopable", "BlockParent", "FunctionParent", "Method", "Private"], fields: Object.assign({ }, i.classMethodOrDeclareMethodCommon, i.functionTypeAnnotationCommon, { key: { validate: (0, n.assertNodeType)("PrivateName") }, body: { validate: (0, n.assertNodeType)("BlockStatement") } })), (0, n.default)("ImportAttribute", { visitor: ["key", "value"], fields: { key: { validate: (0, n.assertNodeType)("Identifier", "StringLiteral") }, value: { validate: (0, n.assertNodeType)("StringLiteral") } } }), (0, n.default)("Decorator", { visitor: ["expression"], fields: { expression: { validate: (0, n.assertNodeType)("Expression") } } }), (0, n.default)("DoExpression", { visitor: ["body"], builder: ["body", "async"], aliases: ["Expression"], fields: { body: { validate: (0, n.assertNodeType)("BlockStatement") }, async: { validate: (0, n.assertValueType)("boolean"), default: !1 } } }), (0, n.default)("ExportDefaultSpecifier", { visitor: ["exported"], aliases: ["ModuleSpecifier"], fields: { exported: { validate: (0, n.assertNodeType)("Identifier") } } }), (0, n.default)("PrivateName", { visitor: ["id"], aliases: ["Private"], fields: { id: { validate: (0, n.assertNodeType)("Identifier") } } }), (0, n.default)("RecordExpression", { visitor: ["properties"], aliases: ["Expression"], fields: { properties: { validate: (0, n.chain)((0, n.assertValueType)("array"), (0, n.assertEach)((0, n.assertNodeType)("ObjectProperty", "SpreadElement"))) } } }), (0, n.default)("TupleExpression", { fields: { elements: { validate: (0, n.chain)((0, n.assertValueType)("array"), (0, n.assertEach)((0, n.assertNodeType)("Expression", "SpreadElement"))) }, default: [] }, visitor: ["elements"], aliases: ["Expression"] }), (0, n.default)("DecimalLiteral", { builder: ["value"], fields: { value: { validate: (0, n.assertValueType)("string") } }, aliases: ["Expression", "Pureish", "Literal", "Immutable"] }), (0, n.default)("StaticBlock", { visitor: ["body"], fields: { body: { validate: (0, n.chain)((0, n.assertValueType)("array"), (0, n.assertEach)((0, n.assertNodeType)("Statement"))) } }, aliases: ["Scopable", "BlockParent"] }), (0, n.default)("ModuleExpression", { visitor: ["body"], fields: { body: { validate: (0, n.assertNodeType)("Program") } }, aliases: ["Expression"] })), function(e, t, r) { "use strict"; var n = r(10), i = r(55); const s = (0, n.assertValueType)("boolean"), a = { returnType: { validate: (0, n.assertNodeType)("TSTypeAnnotation", "Noop"), optional: !0 }, typeParameters: { validate: (0, n.assertNodeType)("TSTypeParameterDeclaration", "Noop"), optional: !0 } }; (0, n.default)("TSPParameterProperty", { aliases: ["LVal"], visitor: ["parameter"], fields: { accessibility: { validate: (0, n.assertOneOf)("public", "private", "protected"), optional: !0 }, readonly: { validate: (0, n.assertValueType)("boolean"), optional: !0 }, parameter: { validate: (0, n.assertNodeType)("Identifier", "AssignmentPattern") } } }), (0, n.default)("TSDeclareFunction", { aliases: ["Statement", "Declaration"], visitor: ["id", "typeParameters", "params", "returnType"], fields: Object.assign({ }, i.functionDeclarationCommon, a) }), (0, n.default)("TSDeclareMethod", { visitor: ["decorators", "key", "typeParameters", "params", "returnType"], fields: Object.assign({ }, i.classMethodOrDeclareMethodCommon, a) }), (0, n.default)("TSQualifiedName", { aliases: ["TSEntityName"], visitor: ["left", "right"], fields: { left: (0, n.validateType)("TSEntityName"), right: (0, n.validateType)("Identifier") } }); const o = { typeParameters: (0, n.validateOptionalType)("TSTypeParameterDeclaration"), parameters: (0, n.validateArrayOfType)(["Identifier", "RestElement"]), typeAnnotation: (0, n.validateOptionalType)("TSTypeAnnotation") }, l = { aliases: ["TSTypeElement"], visitor: ["typeParameters", "parameters", "typeAnnotation"], fields: o }; (0, n.default)("TSCallSignatureDeclaration", l), (0, n.default)("TSConstructSignatureDeclaration", l); const c = { key: (0, n.validateType)("Expression"), computed: (0, n.validate)(s), optional: (0, n.validateOptional)(s) }; (0, n.default)("TSPropertySignature", { aliases: ["TSTypeElement"], visitor: ["key", "typeAnnotation", "initializer"], fields: Object.assign({ }, c, { readonly: (0, n.validateOptional)(s), typeAnnotation: (0, n.validateOptionalType)("TSTypeAnnotation"), initializer: (0, n.validateOptionalType)("Expression") } })), (0, n.default)("TSMethodSignature", { aliases: ["TSTypeElement"], visitor: ["key", "typeParameters", "parameters", "typeAnnotation"], fields: Object.assign({ }, o, c, { kind: { validate: (0, n.assertOneOf)("method", "get", "set") } } })), (0, n.default)("TSIndexSignature", { aliases: ["TSTypeElement"], visitor: ["parameters", "typeAnnotation"], fields: { readonly: (0, n.validateOptional)(s), static: (0, n.validateOptional)(s), parameters: (0, n.validateArrayOfType)("Identifier"), typeAnnotation: (0, n.validateOptionalType)("TSTypeAnnotation") } }); const p = ["TSAnyKeyword", "TSBooleanKeyword", "TSBigIntKeyword", "TSIntrinsicKeyword", "TSNeverKeyword", "TSNullKeyword", "TSNumberKeyword", "TSObjectKeyword", "TSStringKeyword", "TSSymbolKeyword", "TSUndefinedKeyword", "TSUnknownKeyword", "TSVoidKeyword"]; for (const e of p) (0, n.default)(e, { aliases: ["TSType", "TSBaseType"], visitor: [], fields: { } }); (0, n.default)("TSThisType", { aliases: ["TSType", "TSBaseType"], visitor: [], fields: { } }); const u = { aliases: ["TSType"], visitor: ["typeParameters", "parameters", "typeAnnotation"] }; (0, n.default)("TSFunctionType", Object.assign({ }, u, { fields: o })), (0, n.default)("TSConstructorType", Object.assign({ }, u, { fields: Object.assign({ }, o, { ab

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struct:(0,n.validateOptional(s)})),(0,n.default)("TSTypeReference",{aliases:["TSType"],visitor:["typeName","typeParameters"],fields:{typeName:(0,n.validateType)("TSEntityName"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterInstantiation")}}),(0,n.default)("TSTypePredicate",{aliases:["TSType"],visitor:["parameterName","typeAnnotation"],builder:["parameterName","typeAnnotation","asserts"],fields:{parameterName:(0,n.validateType)("Identifier","TSThisType"),typeAnnotation:(0,n.validateOptionalType)("TSTypeAnnotation"),asserts:(0,n.validateOptional(s))}},(0,n.default)("TSTypeQuery",{aliases:["TSType"],visitor:["exprName"],fields:{exprName:(0,n.validateType)("TSEntityName","TSImportType")}}),(0,n.default)("TSTypeLiteral",{aliases:["TSType"],visitor:["members"],fields:{members:(0,n.validateArrayOfType)("TSTypeElement")}}),(0,n.default)("TSArrayType",{aliases:["TSType"],visitor:["elementType"],fields:{elementType:(0,n.validateType)("TSType")}}),(0,n.default)("TSTupleType",{aliases:["TSType"],visitor:["elementTypes"],fields:{elementTypes:(0,n.validateArrayOfType)("TSType","TSNamedTupleMember")}}),(0,n.default)("TSOptionalType",{aliases:["TSType"],visitor:["typeAnnotation"],fields:{typeAnnotation:(0,n.validateType)("TSType")}}),(0,n.default)("TSRestType",{aliases:["TSType"],visitor:["typeAnnotation"],fields:{typeAnnotation:(0,n.validateType)("TSType")}}),(0,n.default)("TSNamedTupleMember",{visitor:["label","elementType"],builder:["label","elementType","optional"],fields:{label:(0,n.validateType)("Identifier"),optional:{validate:s,default:!1},elementType:(0,n.validateType)("TSType")}});const d={aliases:["TSType"],visitor:["types"],fields:{types:(0,n.validateArrayOfType)("TSType")}};(0,n.default)("TSUnionType",d),(0,n.default)("TSIntersectionType",d),(0,n.default)("TSConditionalType",{aliases:["TSType"],visitor:["checkType","extendsType","trueType","falseType"],fields:{checkType:(0,n.validateType)("TSType"),extendsType:(0,n.validateType)("TSType"),trueType:(0,n.validateType)("TSType"),falseType:(0,n.validateType)("TSType")}}),(0,n.default)("TSInferType",{aliases:["TSType"],visitor:["typeParameter"],fields:{typeParameter:(0,n.validateType)("TSTypeParameter")}}),(0,n.default)("TSParenthesizedType",{aliases:["TSType"],visitor:["typeAnnotation"],fields:{typeAnnotation:(0,n.validateType)("TSType")}}),(0,n.default)("TSTypeOperator",{aliases:["TSType"],visitor:["typeAnnotation"],fields:{operator:(0,n.validate)((0,n.assertValueType)("string"),typeAnnotation:(0,n.validateType)("TSType")}}),(0,n.default)("TSIndexedAccessType",{aliases:["TSType"],visitor:["objectType","indexType"],fields:{objectType:(0,n.validateType)("TSType"),indexType:(0,n.validateType)("TSType")}}),(0,n.default)("TSMappedType",{aliases:["TSType"],visitor:["typeParameter","typeAnnotation","nameType"],fields:{readonly:(0,n.validateOptional(s),typeParameter:(0,n.validateType)("TSTypeParameter"),optional:(0,n.validateOptional(s),typeAnnotation:(0,n.validateOptionalType)("TSType"),nameType:(0,n.validateOptionalType)("TSType")}}),(0,n.default)("TSLiteralType",{aliases:["TSType","TSBaseType"],visitor:["literal"],fields:{literal:(0,n.validateType)(["NumericLiteral","StringLiteral","BooleanLiteral","BigIntLiteral"])}),(0,n.default)("TSExpressionWithTypeArguments",{aliases:["TSType"],visitor:["expression","typeParameters"],fields:{expression:(0,n.validateType)("TSEntityName"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterInstantiation")}}),(0,n.default)("TSInterfaceDeclaration",{aliases:["Statement","Declaration"],visitor:["id","typeParameters","extends","body"],fields:{declare:(0,n.validateOptional(s),id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterDeclaration"),extends:(0,n.validateOptional)((0,n.arrayOfType)("TSExpressionWithTypeArguments"),body:(0,n.validateType)("TSInterfaceBody")}}),(0,n.default)("TSInterfaceBody",{visitor:["body"],fields:{body:(0,n.validateArrayOfType)("TSTypeElement")}}),(0,n.default)("TSTypeAliasDeclaration",{aliases:["Statement","Declaration"],visitor:["id","typeParameters","typeAnnotation"],fields:{declare:(0,n.validateOptional(s),id:(0,n.validateType)("Identifier"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterDeclaration"),typeAnnotation:(0,n.validateType)("TSType")}}),(0,n.default)("TSAsExpression",{aliases:["Expression"],visitor:["expression","typeAnnotation"],fields:{expression:(0,n.validateType)("Expression"),typeAnnotation:(0,n.validateType)("TSType")}}),(0,n.default)("TSTypeAssertion",{aliases:["Expression"],visitor:["typeAnnotation","expression"],fields:{typeAnnotation:(0,n.validateType)("TSType"),expression:(0,n.validateType)("Expression")}}),(0,n.default)("TSEnumDeclaration",{aliases:["Statement","Declaration"],visitor:["id","members"],fields:{declare:(0,n.validateOptional(s),const:(0,n.validateOptional(s),id:(0,n.validateType)("Identifier"),members:(0,n.validateArrayOfType)("TSEnumMember"),initializer:(0,n.validateOptionalType)("Expression")}}),(0,n.default)("TSEnumMember",{visitor:["id","initializer"],fields:{id:(0,n.validateType)("Identifier","StringLiteral"),initializer:(0,n.validateOptionalType)("Expression")}}),(0,n.default)("TSModuleDeclaration",{aliases:["Statement","Declaration"],visitor:["id","body"],fields:{declare:(0,n.validateOptional(s),global:(0,n.validateOptional(s))}});

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idateOptional)(s),id:(0,n.validateType)(["Identifier","StringLiteral"]),body:(0,n.validateType)(["TSMODULEBlock","TSMODULEDeclaration"])),(0,n.default)("TSMODULEBlock",{aliases:["Scopable","Block","BlockParent"],visitor:["body"],fields:{body:(0,n.validateArrayOfType)("Statement")}},(0,n.default)("TSMODULEImportType",{aliases:["TSType"],visitor:["argument","qualifier","typeParameters"],fields:{argument:(0,n.validateType)("StringLiteral"),qualifier:(0,n.validateOptionalType)("TSEntityName"),typeParameters:(0,n.validateOptionalType)("TSTypeParameterInstantiation")}},(0,n.default)("TSMODULEImportEqualsDeclaration",{aliases:["Statement"],visitor:["id","moduleReference"],fields:{isExport:(0,n.validate)(s),id:(0,n.validateType)("Identifier"),moduleReference:(0,n.validateType)(["TSEntityName","TSExternalModuleReference"])}),(0,n.default)("TSExternalModuleReference",{visitor:["expression"],fields:{expression:(0,n.validateType)("StringLiteral")}},(0,n.default)("TSNonNullExpression",{aliases:["Expression"],visitor:["expression"],fields:{expression:(0,n.validateType)("Expression")}},(0,n.default)("TSExportAssignment",{aliases:["Statement"],visitor:["expression"],fields:{expression:(0,n.validateType)("Expression")}},(0,n.default)("TSNamespaceExportDeclaration",{aliases:["Statement"],visitor:["id"],fields:{id:(0,n.validateType)("Identifier")}},(0,n.default)("TSTypeAnnotation",{visitor:["typeAnnotation"],fields:{typeAnnotation:{validate:(0,n.assertNodeType)("TSType")}}}), (0,n.default)("TSTypeParameterInstantiation",{visitor:["params"],fields:{params:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("TSType"))}}}), (0,n.default)("TSTypeParameterDeclaration",{visitor:["params"],fields:{params:{validate:(0,n.chain)((0,n.assertValueType)("array"),(0,n.assertEach)((0,n.assertNodeType)("TSTypeParameter"))}}}), (0,n.default)("TSTypeParameter",{builder:["constraint","default","name"],visitor:["constraint","default"],fields:{name:{validate:(0,n.assertValueType)("string")},constraint:{validate:(0,n.assertNodeType)("TSType"),optional:!0},default:{validate:(0,n.assertNodeType)("TSType"),optional:!0}}}),function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if(!(0,n.default)(e)){var t;const r=null!=(t=null===e?void 0:e.type)?t.JSON.stringify(e):throw new TypeError("Not a valid node of type \"${r}\"");var n=r(106)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.assertArrayExpression=function(e,t){i("ArrayExpression",e,t)},t.assertAssignmentExpression=function(e,t){i("AssignmentExpression",e,t)},t.assertBinaryExpression=function(e,t){i("BinaryExpression",e,t)},t.assertInterpreterDirective=function(e,t){i("InterpreterDirective",e,t)},t.assertDirective=function(e,t){i("Directive",e,t)},t.assertDirectiveLiteral=function(e,t){i("DirectiveLiteral",e,t)},t.assertBlockStatement=function(e,t){i("BlockStatement",e,t)},t.assertBreakStatement=function(e,t){i("BreakStatement",e,t)},t.assertCallExpression=function(e,t){i("CallExpression",e,t)},t.assertCatchClause=function(e,t){i("CatchClause",e,t)},t.assertConditionalExpression=function(e,t){i("ConditionalExpression",e,t)},t.assertContinueStatement=function(e,t){i("ContinueStatement",e,t)},t.assertDebuggerStatement=function(e,t){i("DebuggerStatement",e,t)},t.assertDoWhileStatement=function(e,t){i("DoWhileStatement",e,t)},t.assertEmptyStatement=function(e,t){i("EmptyStatement",e,t)},t.assertExpressionStatement=function(e,t){i("ExpressionStatement",e,t)},t.assertFile=function(e,t){i("File",e,t)},t.assertForInStatement=function(e,t){i("ForInStatement",e,t)},t.assertForStatement=function(e,t){i("ForStatement",e,t)},t.assertFunctionDeclaration=function(e,t){i("FunctionDeclaration",e,t)},t.assertFunctionExpression=function(e,t){i("FunctionExpression",e,t)},t.assertIdentifier=function(e,t){i("Identifier",e,t)},t.assertIfStatement=function(e,t){i("IfStatement",e,t)},t.assertLabeledStatement=function(e,t){i("LabeledStatement",e,t)},t.assertStringLiteral=function(e,t){i("StringLiteral",e,t)},t.assertNumericLiteral=function(e,t){i("NumericLiteral",e,t)},t.assertNullLiteral=function(e,t){i("NullLiteral",e,t)},t.assertBooleanLiteral=function(e,t){i("BooleanLiteral",e,t)},t.assertRegExpLiteral=function(e,t){i("RegExpLiteral",e,t)},t.assertLogicalExpression=function(e,t){i("LogicalExpression",e,t)},t.assertMemberExpression=function(e,t){i("MemberExpression",e,t)},t.assertNewExpression=function(e,t){i("NewExpression",e,t)},t.assertProgram=function(e,t){i("Program",e,t)},t.assertObjectExpression=function(e,t){i("ObjectExpression",e,t)},t.assertObjectMethod=function(e,t){i("ObjectMethod",e,t)},t.assertObjectProperty=function(e,t){i("ObjectProperty",e,t)},t.assertRestElement=function(e,t){i("RestElement",e,t)},t.assertReturnStatement=function(e,t){i("ReturnStatement",e,t)},t.assertSequenceExpression=function(e,t){i("SequenceExpression",e,t)},t.assertParenthesizedExpression=function(e,t){i("ParenthesizedExpression",e,t)},t.assertSwitchCase=function(e,t){i("SwitchCase",e,t)},t.assertSwitchStatement=function(e,t){i("SwitchStatement",e,t)},t.assertThisExpression=function(e,t){i("ThisExpression",e,t)},t.assertThrowStatement=function(e,t){i("ThrowStatement",e,t)},t.assertTryStatement=function(e,t){i("TryStatement",e

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,t),t.assertUnaryExpression=function(e,t){i("UnaryExpression",e,t)},t.assertUpdateExpression=function(e,t){i("UpdateExpression",e,t)},t.assertVariableDeclaration=function(e,t){i("VariableDeclaration",e,t)},t.assertVariableDeclarator=function(e,t){i("VariableDeclarator",e,t)},t.assertWhileStatement=function(e,t){i("WhileStatement",e,t)},t.assertWithStatement=function(e,t){i("WithStatement",e,t)},t.assertAssignmentPattern=function(e,t){i("AssignmentPattern",e,t)},t.assertArrayPattern=function(e,t){i("ArrayPattern",e,t)},t.assertArrowFunctionExpression=function(e,t){i("ArrowFunctionExpression",e,t)},t.assertClassBody=function(e,t){i("ClassBody",e,t)},t.assertClassExpression=function(e,t){i("ClassExpression",e,t)},t.assertClassDeclaration=function(e,t){i("ClassDeclaration",e,t)},t.assertExportAllDeclaration=function(e,t){i("ExportAllDeclaration",e,t)},t.assertExportDefaultDeclaration=function(e,t){i("ExportDefaultDeclaration",e,t)},t.assertExportNamedDeclaration=function(e,t){i("ExportNamedDeclaration",e,t)},t.assertExportSpecifier=function(e,t){i("ExportSpecifier",e,t)},t.assertForOfStatement=function(e,t){i("ForOfStatement",e,t)},t.assertImportDeclaration=function(e,t){i("ImportDeclaration",e,t)},t.assertImportDefaultSpecifier=function(e,t){i("ImportDefaultSpecifier",e,t)},t.assertImportNamespaceSpecifier=function(e,t){i("ImportNamespaceSpecifier",e,t)},t.assertImportSpecifier=function(e,t){i("ImportSpecifier",e,t)},t.assertMetaProperty=function(e,t){i("MetaProperty",e,t)},t.assertClassMethod=function(e,t){i("ClassMethod",e,t)},t.assertObjectPattern=function(e,t){i("ObjectPattern",e,t)},t.assertSpreadElement=function(e,t){i("SpreadElement",e,t)},t.assertSuper=function(e,t){i("Super",e,t)},t.assertTaggedTemplateExpression=function(e,t){i("TaggedTemplateExpression",e,t)},t.assertTemplateElement=function(e,t){i("TemplateElement",e,t)},t.assertTemplateLiteral=function(e,t){i("TemplateLiteral",e,t)},t.assertYieldExpression=function(e,t){i("YieldExpression",e,t)},t.assertAwaitExpression=function(e,t){i("AwaitExpression",e,t)},t.assertImport=function(e,t){i("Import",e,t)},t.assertBigIntLiteral=function(e,t){i("BigIntLiteral",e,t)},t.assertExportNamespaceSpecifier=function(e,t){i("ExportNamespaceSpecifier",e,t)},t.assertOptionalMemberExpression=function(e,t){i("OptionalMemberExpression",e,t)},t.assertOptionalCallExpression=function(e,t){i("OptionalCallExpression",e,t)},t.assertAnyTypeAnnotation=function(e,t){i("AnyTypeAnnotation",e,t)},t.assertArrayTypeAnnotation=function(e,t){i("ArrayTypeAnnotation",e,t)},t.assertBooleanTypeAnnotation=function(e,t){i("BooleanTypeAnnotation",e,t)},t.assertBooleanLiteralTypeAnnotation=function(e,t){i("BooleanLiteralTypeAnnotation",e,t)},t.assertNullLiteralTypeAnnotation=function(e,t){i("NullLiteralTypeAnnotation",e,t)},t.assertClassImplements=function(e,t){i("ClassImplements",e,t)},t.assertDeclareClass=function(e,t){i("DeclareClass",e,t)},t.assertDeclareFunction=function(e,t){i("DeclareFunction",e,t)},t.assertDeclareInterface=function(e,t){i("DeclareInterface",e,t)},t.assertDeclareModule=function(e,t){i("DeclareModule",e,t)},t.assertDeclareModuleExports=function(e,t){i("DeclareModuleExports",e,t)},t.assertDeclareTypeAlias=function(e,t){i("DeclareTypeAlias",e,t)},t.assertDeclareOpaqueType=function(e,t){i("DeclareOpaqueType",e,t)},t.assertDeclareVariable=function(e,t){i("DeclareVariable",e,t)},t.assertDeclareExportDeclaration=function(e,t){i("DeclareExportDeclaration",e,t)},t.assertDeclareExportAllDeclaration=function(e,t){i("DeclareExportAllDeclaration",e,t)},t.assertDeclaredPredicate=function(e,t){i("DeclaredPredicate",e,t)},t.assertExistsTypeAnnotation=function(e,t){i("ExistsTypeAnnotation",e,t)},t.assertFunctionTypeAnnotation=function(e,t){i("FunctionTypeAnnotation",e,t)},t.assertFunctionTypeParam=function(e,t){i("FunctionTypeParam",e,t)},t.assertGenericTypeAnnotation=function(e,t){i("GenericTypeAnnotation",e,t)},t.assertInferredPredicate=function(e,t){i("InferredPredicate",e,t)},t.assertInterfaceExtends=function(e,t){i("InterfaceExtends",e,t)},t.assertInterfaceDeclaration=function(e,t){i("InterfaceDeclaration",e,t)},t.assertInterfaceTypeAnnotation=function(e,t){i("InterfaceTypeAnnotation",e,t)},t.assertIntersectionTypeAnnotation=function(e,t){i("IntersectionTypeAnnotation",e,t)},t.assertMixedTypeAnnotation=function(e,t){i("MixedTypeAnnotation",e,t)},t.assertEmptyTypeAnnotation=function(e,t){i("EmptyTypeAnnotation",e,t)},t.assertNullableTypeAnnotation=function(e,t){i("NullableTypeAnnotation",e,t)},t.assertNumberLiteralTypeAnnotation=function(e,t){i("NumberLiteralTypeAnnotation",e,t)},t.assertNumberTypeAnnotation=function(e,t){i("NumberTypeAnnotation",e,t)},t.assertObjectTypeAnnotation=function(e,t){i("ObjectTypeAnnotation",e,t)},t.assertObjectTypeInternalSlot=function(e,t){i("ObjectTypeInternalSlot",e,t)},t.assertObjectTypeCallProperty=function(e,t){i("ObjectTypeCallProperty",e,t)},t.assertObjectTypeIndexer=function(e,t){i("ObjectTypeIndexer",e,t)},t.assertObjectTypeProperty=function(e,t){i("ObjectTypeProperty",e,t)},t.assertObjectTypeSpreadProperty=function(e,t){i("ObjectTypeSpreadProperty",e,t)},t.assertOpaqueType=function(e,t){i("OpaqueType",e,t)},t.assertQualifiedTypeIdentifier=function(e,t){i("QualifiedTypeIdentifier",e,t)},t.assertStringLiteralTypeAnnotation=function(e,t){i("StringLiteralTypeAnnotation",e,t)},t.assertStringTypeAnnotation=function(e,t){i("StringTypeAnnotation",e,t)},t.assertSymbolTypeAnnotation=function(e,t){i("SymbolTypeAnnotation",e,t)}

nction(e,t){i("SymbolTypeAnnotation",e,t)},t.assertThisTypeAnnotation=function(e,t){i("ThisTypeAnnotation",e,t)},t.assertTupleTypeAnnotation=function(e,t){i("TupleTypeAnnotation",e,t)},t.assertTypeofTypeAnnotation=function(e,t){i("TypeofTypeAnnotation",e,t)},t.assertTypeAlias=function(e,t){i("TypeAlias",e,t)},t.assertTypeAnnotation=function(e,t){i("TypeAnnotation",e,t)},t.assertTypeCastExpression=function(e,t){i("TypeCastExpression",e,t)},t.assertTypeParameter=function(e,t){i("TypeParameter",e,t)},t.assertTypeParameterDeclaration=function(e,t){i("TypeParameterDeclaration",e,t)},t.assertTypeParameterInstantiation=function(e,t){i("TypeParameterInstantiation",e,t)},t.assertUnionTypeAnnotation=function(e,t){i("UnionTypeAnnotation",e,t)},t.assertVariance=function(e,t){i("Variance",e,t)},t.assertVoidTypeAnnotation=function(e,t){i("VoidTypeAnnotation",e,t)},t.assertEnumDeclaration=function(e,t){i("EnumDeclaration",e,t)},t.assertEnumBooleanBody=function(e,t){i("EnumBooleanBody",e,t)},t.assertEnumNumberBody=function(e,t){i("EnumNumberBody",e,t)},t.assertEnumStringBody=function(e,t){i("EnumStringBody",e,t)},t.assertEnumSymbolBody=function(e,t){i("EnumSymbolBody",e,t)},t.assertEnumBooleanMember=function(e,t){i("EnumBooleanMember",e,t)},t.assertEnumNumberMember=function(e,t){i("EnumNumberMember",e,t)},t.assertEnumStringMember=function(e,t){i("EnumStringMember",e,t)},t.assertEnumDefaultedMember=function(e,t){i("EnumDefaultedMember",e,t)},t.assertIndexedAccessType=function(e,t){i("IndexedAccessType",e,t)},t.assertOptionalIndexedAccessType=function(e,t){i("OptionalIndexedAccessType",e,t)},t.assertJSXAttribute=function(e,t){i("JSXAttribute",e,t)},t.assertJSXClosingElement=function(e,t){i("JSXClosingElement",e,t)},t.assertJSXElement=function(e,t){i("JSXElement",e,t)},t.assertJSXEmptyExpression=function(e,t){i("JSXEmptyExpression",e,t)},t.assertJSXExpressionContainer=function(e,t){i("JSXExpressionContainer",e,t)},t.assertJSXSpreadChild=function(e,t){i("JSXSpreadChild",e,t)},t.assertJSXIdentifier=function(e,t){i("JSXIdentifier",e,t)},t.assertJSXMemberExpression=function(e,t){i("JSXMemberExpression",e,t)},t.assertJSXNamespacedName=function(e,t){i("JSXNamespacedName",e,t)},t.assertJSXOpeningElement=function(e,t){i("JSXOpeningElement",e,t)},t.assertJSXSpreadAttribute=function(e,t){i("JSXSpreadAttribute",e,t)},t.assertJSXText=function(e,t){i("JSXText",e,t)},t.assertJSXFragment=function(e,t){i("JSXFragment",e,t)},t.assertJSXOpeningFragment=function(e,t){i("JSXOpeningFragment",e,t)},t.assertJSXClosingFragment=function(e,t){i("JSXClosingFragment",e,t)},t.assertNoop=function(e,t){i("Noop",e,t)},t.assertPlaceholder=function(e,t){i("Placeholder",e,t)},t.assertV8IntrinsicIdentifier=function(e,t){i("V8IntrinsicIdentifier",e,t)},t.assertArgumentPlaceholder=function(e,t){i("ArgumentPlaceholder",e,t)},t.assertBindExpression=function(e,t){i("BindExpression",e,t)},t.assertClassProperty=function(e,t){i("ClassProperty",e,t)},t.assertPipelineTopicExpression=function(e,t){i("PipelineTopicExpression",e,t)},t.assertPipelineBareFunction=function(e,t){i("PipelineBareFunction",e,t)},t.assertPipelinePrimaryTopicReference=function(e,t){i("PipelinePrimaryTopicReference",e,t)},t.assertClassPrivateProperty=function(e,t){i("ClassPrivateProperty",e,t)},t.assertClassPrivateMethod=function(e,t){i("ClassPrivateMethod",e,t)},t.assertImportAttribute=function(e,t){i("ImportAttribute",e,t)},t.assertDecorator=function(e,t){i("Decorator",e,t)},t.assertDoExpression=function(e,t){i("DoExpression",e,t)},t.assertExportDefaultSpecifier=function(e,t){i("ExportDefaultSpecifier",e,t)},t.assertPrivateName=function(e,t){i("PrivateName",e,t)},t.assertRecordExpression=function(e,t){i("RecordExpression",e,t)},t.assertTupleExpression=function(e,t){i("TupleExpression",e,t)},t.assertDecimalLiteral=function(e,t){i("DecimalLiteral",e,t)},t.assertStaticBlock=function(e,t){i("StaticBlock",e,t)},t.assertModuleExpression=function(e,t){i("ModuleExpression",e,t)},t.assertTSParameterProperty=function(e,t){i("TSParameterProperty",e,t)},t.assertTSDeclareFunction=function(e,t){i("TSDeclareFunction",e,t)},t.assertTSDeclareMethod=function(e,t){i("TSDeclareMethod",e,t)},t.assertTSQualifiedName=function(e,t){i("TSQualifiedName",e,t)},t.assertTSCallSignatureDeclaration=function(e,t){i("TSCallSignatureDeclaration",e,t)},t.assertTSConstructSignatureDeclaration=function(e,t){i("TSConstructSignatureDeclaration",e,t)},t.assertTSPropertySignature=function(e,t){i("TSPropertySignature",e,t)},t.assertTSMethodSignature=function(e,t){i("TSMethodSignature",e,t)},t.assertTSIndexSignature=function(e,t){i("TSIndexSignature",e,t)},t.assertTSAnyKeyword=function(e,t){i("TSAnyKeyword",e,t)},t.assertTSBooleanKeyword=function(e,t){i("TSBooleanKeyword",e,t)},t.assertTSBigIntKeyword=function(e,t){i("TSBigIntKeyword",e,t)},t.assertTSIntrinsicKeyword=function(e,t){i("TSIntrinsicKeyword",e,t)},t.assertTSNeverKeyword=function(e,t){i("TSNeverKeyword",e,t)},t.assertTSNullKeyword=function(e,t){i("TSNullKeyword",e,t)},t.assertTSNumberKeyword=function(e,t){i("TSNumberKeyword",e,t)},t.assertTSObjectKeyword=function(e,t){i("TSObjectKeyword",e,t)},t.assertTSStringKeyword=function(e,t){i("TSStringKeyword",e,t)},t.assertTSSymbolKeyword=function(e,t){i("TSSymbolKeyword",e,t)},t.assertTSUndefinedKeyword=function(e,t){i("TSUndefinedKeyword",e,t)},t.assertTSUnkno

wnKeyword=function(e,t){i("TSUnknownKeyword",e,t)},t.assertTSVoidKeyword=function(e,t){i("TSVoidKeyword",e,t)},t.assertTSThisType=function(e,t){i("TSThisType",e,t)},t.assertTSFunctionType=function(e,t){i("TSFunctionType",e,t)},t.assertTSConstructorType=function(e,t){i("TSConstructorType",e,t)},t.assertTSTypeReference=function(e,t){i("TSTypeReference",e,t)},t.assertTSTypePredicate=function(e,t){i("TSTypePredicate",e,t)},t.assertTSTypeQuery=function(e,t){i("TSTypeQuery",e,t)},t.assertTSTypeLiteral=function(e,t){i("TSTypeLiteral",e,t)},t.assertTSArrayType=function(e,t){i("TSArrayType",e,t)},t.assertTSTupleType=function(e,t){i("TSTupleType",e,t)},t.assertTSOptionalType=function(e,t){i("TSOptionalType",e,t)},t.assertTSRestType=function(e,t){i("TSRestType",e,t)},t.assertTSNamedTupleMember=function(e,t){i("TSNamedTupleMember",e,t)},t.assertTSUnionType=function(e,t){i("TSUnionType",e,t)},t.assertTSIntersectionType=function(e,t){i("TSIntersectionType",e,t)},t.assertTSConditionalType=function(e,t){i("TSConditionalType",e,t)},t.assertTSInferType=function(e,t){i("TSInferType",e,t)},t.assertTSParenthesizedType=function(e,t){i("TSParenthesizedType",e,t)},t.assertTSTypeOperator=function(e,t){i("TSTypeOperator",e,t)},t.assertTSIndexedAccessType=function(e,t){i("TSIndexedAccessType",e,t)},t.assertTSMappedType=function(e,t){i("TSMappedType",e,t)},t.assertTSLiteralType=function(e,t){i("TSLiteralType",e,t)},t.assertTSExpressionWithTypeArguments=function(e,t){i("TSExpressionWithTypeArguments",e,t)},t.assertTSInterfaceDeclaration=function(e,t){i("TSInterfaceDeclaration",e,t)},t.assertTSInterfaceBody=function(e,t){i("TSInterfaceBody",e,t)},t.assertTSTypeAliasDeclaration=function(e,t){i("TSTypeAliasDeclaration",e,t)},t.assertTSAExpression=function(e,t){i("TSAExpression",e,t)},t.assertTSTypeAssertion=function(e,t){i("TSTypeAssertion",e,t)},t.assertTSEnumDeclaration=function(e,t){i("TSEnumDeclaration",e,t)},t.assertTSEnumMember=function(e,t){i("TSEnumMember",e,t)},t.assertTSModuleDeclaration=function(e,t){i("TSModuleDeclaration",e,t)},t.assertTSModuleBlock=function(e,t){i("TSModuleBlock",e,t)},t.assertTSImportType=function(e,t){i("TSImportType",e,t)},t.assertTSImportEqualsDeclaration=function(e,t){i("TSImportEqualsDeclaration",e,t)},t.assertTSExternalModuleReference=function(e,t){i("TSExternalModuleReference",e,t)},t.assertTSNonNullExpression=function(e,t){i("TSNonNullExpression",e,t)},t.assertTSExportAssignment=function(e,t){i("TSExportAssignment",e,t)},t.assertTSNamespaceExportDeclaration=function(e,t){i("TSNamespaceExportDeclaration",e,t)},t.assertTSTypeAnnotation=function(e,t){i("TSTypeAnnotation",e,t)},t.assertTSTypeParameterInstantiation=function(e,t){i("TSTypeParameterInstantiation",e,t)},t.assertTSTypeParameterDeclaration=function(e,t){i("TSTypeParameterDeclaration",e,t)},t.assertTSTypeParameter=function(e,t){i("TSTypeParameter",e,t)},t.assertExpression=function(e,t){i("Expression",e,t)},t.assertBinary=function(e,t){i("Binary",e,t)},t.assertScopable=function(e,t){i("Scopable",e,t)},t.assertBlockParent=function(e,t){i("BlockParent",e,t)},t.assertBlock=function(e,t){i("Block",e,t)},t.assertStatement=function(e,t){i("Statement",e,t)},t.assertTerminatorless=function(e,t){i("Terminatorless",e,t)},t.assertCompletionStatement=function(e,t){i("CompletionStatement",e,t)},t.assertConditional=function(e,t){i("Conditional",e,t)},t.assertLoop=function(e,t){i("Loop",e,t)},t.assertWhile=function(e,t){i("While",e,t)},t.assertExpressionWrapper=function(e,t){i("ExpressionWrapper",e,t)},t.assertFor=function(e,t){i("For",e,t)},t.assertForXStatement=function(e,t){i("ForXStatement",e,t)},t.assertFunction=function(e,t){i("Function",e,t)},t.assertFunctionParent=function(e,t){i("FunctionParent",e,t)},t.assertPureish=function(e,t){i("Pureish",e,t)},t.assertDeclaration=function(e,t){i("Declaration",e,t)},t.assertPatternLike=function(e,t){i("PatternLike",e,t)},t.assertLVal=function(e,t){i("LVal",e,t)},t.assertTSEntityName=function(e,t){i("TSEntityName",e,t)},t.assertLiteral=function(e,t){i("Literal",e,t)},t.assertImmutable=function(e,t){i("Immutable",e,t)},t.assertUserWhitespacable=function(e,t){i("UserWhitespacable",e,t)},t.assertMethod=function(e,t){i("Method",e,t)},t.assertObjectMember=function(e,t){i("ObjectMember",e,t)},t.assertProperty=function(e,t){i("Property",e,t)},t.assertUnaryLike=function(e,t){i("UnaryLike",e,t)},t.assertPattern=function(e,t){i("Pattern",e,t)},t.assertClass=function(e,t){i("Class",e,t)},t.assertModuleDeclaration=function(e,t){i("ModuleDeclaration",e,t)},t.assertExportDeclaration=function(e,t){i("ExportDeclaration",e,t)},t.assertModuleSpecifier=function(e,t){i("ModuleSpecifier",e,t)},t.assertFlow=function(e,t){i("Flow",e,t)},t.assertFlowType=function(e,t){i("FlowType",e,t)},t.assertFlowBaseAnnotation=function(e,t){i("FlowBaseAnnotation",e,t)},t.assertFlowDeclaration=function(e,t){i("FlowDeclaration",e,t)},t.assertFlowPredicate=function(e,t){i("FlowPredicate",e,t)},t.assertEnumBody=function(e,t){i("EnumBody",e,t)},t.assertEnumMember=function(e,t){i("EnumMember",e,t)},t.assertJSX=function(e,t){i("JSX",e,t)},t.assertPrivate=function(e,t){i("Private",e,t)},t.assertTSTypeElement=function(e,t){i("TSTypeElement",e,t)},t.assertTSType=function(e,t){i("TSType",e,t)},t.assertTSBaseType=function(e,t){i("TSBaseType",e,t)},t.assertNumberLiteral=function(e,t){console.trace("The node type NumberLiteral has been renamed

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to NumericLiteral"),i("NumberLiteral",e,t)},t.assertRegexLiteral=function(e,t){console.trace("The node type
RegexLiteral has been renamed to
RegExpLiteral"),i("RegexLiteral",e,t)},t.assertRestProperty=function(e,t){console.trace("The node type
RestProperty has been renamed to
RestElement"),i("RestProperty",e,t)},t.assertSpreadProperty=function(e,t){console.trace("The node type
SpreadProperty has been renamed to SpreadElement"),i("SpreadProperty",e,t)};var n=r(36);function
i(e,t,r){if(!(0,n.default)(e,t,r))throw new Error("Expected type "${e}" with option ${JSON.stringify(r)}, but instead
got "${t.type}".`)}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if("string"===e)return(0,n.stringTyp
eAnnotation());if("number"===e)return(0,n.numberTypeAnnotation());if("undefined"===e)return(0,n.voidTypeAnn
otation());if("boolean"===e)return(0,n.booleanTypeAnnotation());if("function"===e)return(0,n.genericTypeAnnotat
ion)((0,n.identifier)("Function"));if("object"===e)return(0,n.genericTypeAnnotation)((0,n.identifier)("Object"));if("
symbol"===e)return(0,n.genericTypeAnnotation)((0,n.identifier)("Symbol"));if("bigint"===e)return(0,n.anyTypeAn
notation());throw new Error("Invalid type of value: "+e)};var n=r(3)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const t=(0,i.default)(e);return
1===t.length?t[0):(0,n.unionTypeAnnotation)(t)};var n=r(3),i=r(107)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const
t=e.map(e=>e.typeAnnotation),r=(0,i.default)(t);return 1===r.length?r[0):(0,n.tsUnionType)(r)};var
n=r(3),i=r(279)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const t={},r={},i=[],s=[];for(let
t=0;t<e.length;t++){const
a=e[t];if(a&&!s.indexOf(a)>=0)}{if((0,n.isTSAnyKeyword)(a))return[a];(0,n.isTSBaseType)(a)?r[a.type]=a:(0,n.is
TSUnionType)(a)?i.indexOf(a.types)<0&&(e=e.concat(a.types),i.push(a.types)):s.push(a)}for(const e of
Object.keys(r))s.push(r[e]);for(const e of Object.keys(t))s.push(t[e]);return s};var n=r(1)},function(e,t,r){"use
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n.tsModuleBlock}}),Object.defineProperty(t,"TSImportType",{enumerable:!0,get:function(){return
n.tsImportType}}),Object.defineProperty(t,"TSImportEqualsDeclaration",{enumerable:!0,get:function(){return
n.tsImportEqualsDeclaration}}),Object.defineProperty(t,"TSExternalModuleReference",{enumerable:!0,get:functio
n(){return
n.tsExternalModuleReference}}),Object.defineProperty(t,"TSNonNullExpression",{enumerable:!0,get:function(){re
turn
n.tsNonNullExpression}}),Object.defineProperty(t,"TSExportAssignment",{enumerable:!0,get:function(){return

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n.tsExportAssignment })),Object.defineProperty(t,"TSNamespaceExportDeclaration",{enumerable:!0,get:function()
{return
n.tsNamespaceExportDeclaration })),Object.defineProperty(t,"TSTypeAnnotation",{enumerable:!0,get:function(){re
turn
n.tsTypeAnnotation })),Object.defineProperty(t,"TSTypeParameterInstantiation",{enumerable:!0,get:function(){retu
rn
n.tsTypeParameterInstantiation })),Object.defineProperty(t,"TSTypeParameterDeclaration",{enumerable:!0,get:func
tion(){return
n.tsTypeParameterDeclaration })),Object.defineProperty(t,"TSTypeParameter",{enumerable:!0,get:function(){return
n.tsTypeParameter })),Object.defineProperty(t,"NumberLiteral",{enumerable:!0,get:function(){return
n.numberLiteral })),Object.defineProperty(t,"RegexLiteral",{enumerable:!0,get:function(){return
n.regexLiteral })),Object.defineProperty(t,"RestProperty",{enumerable:!0,get:function(){return
n.restProperty })),Object.defineProperty(t,"SpreadProperty",{enumerable:!0,get:function(){return
n.spreadProperty }));var n=r(3),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.default)(e,!1)};var
n=r(16),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.default)(e)};var
n=r(16),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.default)(e,!0,!0)};var
n=r(16),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.default)(e,!1,!0)};var
n=r(16),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r,i){return(0,n.default)(e,t,[{type:i?"
CommentLine":"CommentBlock",value:r}])};var n=r(108)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return
n.COMMENT_KEYS.forEach(t=>{e[t]=null}),e};var n=r(15)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.TSBASETYPE_TYPES=t.TSTYPE_TYPES=t.TSTYPE
ELEMENT_TYPES=t.PRIVATE_TYPES=t.JSX_TYPES=t.ENUMMEMBER_TYPES=t.ENUMBODY_TYPES=t
.FLOWPREDICATE_TYPES=t.FLOWDECLARATION_TYPES=t.FLOWBASEANNOTATION_TYPES=t.FLO
WTYPE_TYPES=t.FLOW_TYPES=t.MODULESPECIFIER_TYPES=t.EXPORTDECLARATION_TYPES=t.MO
DULEDECLARATION_TYPES=t.CLASS_TYPES=t.PATTERN_TYPES=t.UNARYLIKE_TYPES=t.PROPERT
Y_TYPES=t.OBJECTMEMBER_TYPES=t.METHOD_TYPES=t.USERWHITESPACABLE_TYPES=t.IMMUTA
BLE_TYPES=t.LITERAL_TYPES=t.TSENTITYNAME_TYPES=t.LVAL_TYPES=t.PATTERNLIKE_TYPES=t
.DECLARATION_TYPES=t.PUREISH_TYPES=t.FUNCTIONPARENT_TYPES=t.FUNCTION_TYPES=t.FORX
STATEMENT_TYPES=t.FOR_TYPES=t.EXPRESSIONWRAPPER_TYPES=t.WHILE_TYPES=t.LOOP_TYPES
=t.CONDITIONAL_TYPES=t.COMPLETIONSTATEMENT_TYPES=t.TERMINATORLESS_TYPES=t.STATE
MENT_TYPES=t.BLOCK_TYPES=t.BLOCKPARENT_TYPES=t.SCOPABLE_TYPES=t.BINARY_TYPES=t.E
XPRESSION_TYPES=void 0;var n=r(6);const
i=n.FLIPPED_ALIAS_KEYS.Expression;t.EXPRESSION_TYPES=i;const
s=n.FLIPPED_ALIAS_KEYS.Binary;t.BINARY_TYPES=s;const
a=n.FLIPPED_ALIAS_KEYS.Scopable;t.SCOPABLE_TYPES=a;const
o=n.FLIPPED_ALIAS_KEYS.BlockParent;t.BLOCKPARENT_TYPES=o;const
l=n.FLIPPED_ALIAS_KEYS.Block;t.BLOCK_TYPES=l;const
c=n.FLIPPED_ALIAS_KEYS.Statement;t.STATEMENT_TYPES=c;const
p=n.FLIPPED_ALIAS_KEYS.Terminatorless;t.TERMINATORLESS_TYPES=p;const
u=n.FLIPPED_ALIAS_KEYS.CompletionStatement;t.COMPLETIONSTATEMENT_TYPES=u;const
d=n.FLIPPED_ALIAS_KEYS.Conditional;t.CONDITIONAL_TYPES=d;const
h=n.FLIPPED_ALIAS_KEYS.Loop;t.LOOP_TYPES=h;const

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f=n.FLIPPED_ALIAS_KEYS.While;t.WHILE_TYPES=f;const
m=n.FLIPPED_ALIAS_KEYS.ExpressionWrapper;t.EXPRESSIONWRAPPER_TYPES=m;const
y=n.FLIPPED_ALIAS_KEYS.For;t.FOR_TYPES=y;const
T=n.FLIPPED_ALIAS_KEYS.ForXStatement;t.FORXSTATEMENT_TYPES=T;const
b=n.FLIPPED_ALIAS_KEYS.Function;t.FUNCTION_TYPES=b;const
g=n.FLIPPED_ALIAS_KEYS.FunctionParent;t.FUNCTIONPARENT_TYPES=g;const
S=n.FLIPPED_ALIAS_KEYS.Pureish;t.PUREISH_TYPES=S;const
x=n.FLIPPED_ALIAS_KEYS.Declaration;t.DECLARATION_TYPES=x;const
E=n.FLIPPED_ALIAS_KEYS.PatternLike;t.PATTERNLIKE_TYPES=E;const
P=n.FLIPPED_ALIAS_KEYS.LVal;t.LVAL_TYPES=P;const
v=n.FLIPPED_ALIAS_KEYS.TSEntityName;t.TSENTITYNAME_TYPES=v;const
A=n.FLIPPED_ALIAS_KEYS.Literal;t.LITERAL_TYPES=A;const
w=n.FLIPPED_ALIAS_KEYS.Immutable;t.IMMUTABLE_TYPES=w;const
O=n.FLIPPED_ALIAS_KEYS.UserWhitespacable;t.USERWHITESPACABLE_TYPES=O;const
I=n.FLIPPED_ALIAS_KEYS.Method;t.METHOD_TYPES=I;const
C=n.FLIPPED_ALIAS_KEYS.ObjectMember;t.OBJECTMEMBER_TYPES=C;const
N=n.FLIPPED_ALIAS_KEYS.Property;t.PROPERTY_TYPES=N;const
k=n.FLIPPED_ALIAS_KEYS.UnaryLike;t.UNARYLIKE_TYPES=k;const
D=n.FLIPPED_ALIAS_KEYS.Pattern;t.PATTERN_TYPES=D;const
_=n.FLIPPED_ALIAS_KEYS.Class;t.CLASS_TYPES=_;const
L=n.FLIPPED_ALIAS_KEYS.ModuleDeclaration;t.MODULEDECLARATION_TYPES=L;const
M=n.FLIPPED_ALIAS_KEYS.ExportDeclaration;t.EXPORTDECLARATION_TYPES=M;const
j=n.FLIPPED_ALIAS_KEYS.ModuleSpecifier;t.MODULESPECIFIER_TYPES=j;const
F=n.FLIPPED_ALIAS_KEYS.Flow;t.FLOW_TYPES=F;const
R=n.FLIPPED_ALIAS_KEYS.FlowType;t.FLOWTYPE_TYPES=R;const
B=n.FLIPPED_ALIAS_KEYS.FlowBaseAnnotation;t.FLOWBASEANNOTATION_TYPES=B;const
U=n.FLIPPED_ALIAS_KEYS.FlowDeclaration;t.FLOWDECLARATION_TYPES=U;const
V=n.FLIPPED_ALIAS_KEYS.FlowPredicate;t.FLOWPREDICATE_TYPES=V;const
K=n.FLIPPED_ALIAS_KEYS.EnumBody;t.ENUMBODY_TYPES=K;const
q=n.FLIPPED_ALIAS_KEYS.EnumMember;t.ENUMMEMBER_TYPES=q;const
Y=n.FLIPPED_ALIAS_KEYS.JSX;t.JSX_TYPES=Y;const
W=n.FLIPPED_ALIAS_KEYS.Private;t.PRIVATE_TYPES=W;const
X=n.FLIPPED_ALIAS_KEYS.TSTypeElement;t.TSTYPEELEMENT_TYPES=X;const
J=n.FLIPPED_ALIAS_KEYS.TSType;t.TSTYPE_TYPES=J;const
H=n.FLIPPED_ALIAS_KEYS.TSBaseType;t.TSBASETYPE_TYPES=H},function(e,t,r){
  "use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t="body"){return
  e[t]=(0,n.default)(e[t],e)};var n=r(113)},function(e,t,r){
  "use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){
    "eval"!==e&&(e=(0,n.default)(e))&&"arguments"!==e||e==="";return e};var n=r(114)},function(e,t,r){
  "use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t=e.key||e.property){
    !e.computed&&(0,n.isIdentifier)(t)&&(t=(0,i.stringLiteral)(t.name));return t};var n=r(1),i=r(3)},function(e,t,r){
  "use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
  n=r(1),i=function(e){(0,n.isExpressionStatement)(e)&&(e=e.expression);if((0,n.isExpression)(e))return
  e;(0,n.isClass)(e)?e.type="ClassExpression":(0,n.isFunction)(e)&&(e.type="FunctionExpression");if(!(0,n.isExpress
  ion)(e))throw new Error(`cannot turn ${e.type} to an expression`);return e};t.default=i},function(e,t,r){
  "use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=a;var n=r(1),i=r(16),s=r(115);function
  a(e,t=e.key){let
  r;return"method"===e.kind?a.increment()+"":(r=(0,n.isIdentifier)(t)?t.name:(0,n.isStringLiteral)(t)?JSON.stringify(t

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.value):JSON.stringify((0,s.default)((0,i.default)(t)),e.computed&&(r=`[${r}]`),e.static&&(r="static:"+r),r)}a.uid=0
,a.increment=function(){return a.uid>=Number.MAX_SAFE_INTEGER?a.uid=0:a.uid++},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(null===e||e.length)return;const
r=[],i=(0,n.default)(e,t,r);if(!i)return;for(const e of r)t.push(e);return i};var n=r(294)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t,r,o){const l=[];let c=!0;for(const p
of t)if((0,i.isEmptyStatement)(p)||c=!1),(0,i.isExpression)(p))l.push(p);else
if((0,i.isExpressionStatement)(p))l.push(p.expression);else
if((0,i.isVariableDeclaration)(p)){if("var"!==p.kind)return;for(const e of p.declarations){const
t=(0,n.default)(e);for(const e of
Object.keys(t))o.push({kind:p.kind,id:(0,a.default)(t[e]));e.init&&l.push((0,s.assignmentExpression)("=",e.id,e.init
))}c=!0}else if((0,i.isIfStatement)(p)){const
t=p.consequent?e([p.consequent],r,o):r.buildUndefinedNode(),n=p.alternate?e([p.alternate],r,o):r.buildUndefinedNo
de();if(!t||!n)return;l.push((0,s.conditionalExpression)(p.test,t,n))}else if((0,i.isBlockStatement)(p)){const
t=e(p.body,r,o);if(!t)return;l.push(t)}else if(!t)return;0===t.indexOf(p)&&(c=!0)}c&&l.push
(r.buildUndefinedNode());return 1===l.length?l[0):(0,s.sequenceExpression)(l)};var
n=r(37),i=r(1),s=r(3),a=r(16)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n=r(1),i=r(3),s=function(e,t){if((0,n.isStatement)(e))return e;let
r,s=!1;if((0,n.isClass)(e))s=!0,r="ClassDeclaration";else if((0,n.isFunction)(e))s=!0,r="FunctionDeclaration";else
if((0,n.isAssignmentExpression)(e))return(0,i.expressionStatement)(e);s&&!e.id&&(r=!1);if(!r){if(t)return!1;throw
new Error(`cannot turn ${e.type} to a statement`)}return e.type=r,e;t.default=s},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var n=r(24),i=r(3),s=function e(t){if(void
0===t)return(0,i.identifier)("undefined");if(!0===t||!1===t)return(0,i.booleanLiteral)(t);if(null===t)return(0,i.nullLit
eral)();if("string"===typeof t)return(0,i.stringLiteral)(t);if("number"===typeof t){let
e;if(Number.isFinite(t))e=(0,i.numericLiteral)(Math.abs(t));else{let
r;r=Number.isNaN(t)?(0,i.numericLiteral)(0):(0,i.numericLiteral)(1),e=(0,i.binaryExpression)("/",r,(0,i.numericLiter
al)(0))}return(t<0||Object.is(t,-0))&&(e=(0,i.unaryExpression)("-",e)),e}if(function(e){return"[object
RegExp]"===a(e)}(t)){const e=t.source,r=t.toString().match(/\/([a-
z]+)\$/)[1];return(0,i.regExpLiteral)(e,r)}if(Array.isArray(t))return(0,i.arrayExpression)(t.map(e));if(function(e){if("
object"!==typeof e||null===e||"[object Object]"!==Object.prototype.toString.call(e))return!1;const
t=Object.getPrototypeOf(e);return null===t||null===Object.getPrototypeOf(t)}(t)){const r=[];for(const s of
Object.keys(t)){let
a;a=(0,n.default)(s)?(0,i.identifier)(s):(0,i.stringLiteral)(s),r.push((0,i.objectProperty)(a,e(t[s])))}return(0,i.objectExp
ression)(r)}throw new Error("don't know how to turn this value into a node");t.default=s;const
a=Function.call.bind(Object.prototype.toString)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r=!1){return
e.object=(0,n.memberExpression)(e.object,e.property,e.computed),e.property=t,e.computed=!r,e};var
n=r(3)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if(!e||!t)return e;for(const r of
n.INHERIT_KEYS.optional)null===e[r]&&(e[r]=t[r]);for(const r of
Object.keys(t))"_"===r[0]&&"__clone"!==r&&(e[r]=t[r]);for(const r of
n.INHERIT_KEYS.force)e[r]=t[r];return(0,i.default)(e,t,e);var n=r(15),i=r(111)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){return
e.object=(0,n.memberExpression)(t,e.object),e};var n=r(3)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n=r(37),i=function(e,t){return(0,n.default)(e,t,!0)};t.default=i},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){ "function"===typeof
t&&(t={enter:t});const{enter:i,exit:s}=t;!function e(t,r,i,s,a){const
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o=n.VISITOR_KEYS[t.type];if(!o)return;r&&r(t,a,s);for(const n of o){const o=t[n];if(Array.isArray(o))for(let
l=0;l<o.length;l++){const c=o[l];c&&(a.push({node:t,key:n,index:l}),e(c,r,i,s,a),a.pop())}else
o&&(a.push({node:t,key:n}),e(o,r,i,s,a),a.pop())}i&&i(t,a,s)}(e,i,s,r,[]);var n=r(6),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){if(r&&"Identifier"===e.type&&"
ObjectProperty"===t.type&&"ObjectExpression"===r.type)return!1;const i=n.default.keys[t.type];if(i)for(let
r=0;r<i.length;r++){const n=i[r],s=t[n];if(Array.isArray(s)){if(s.indexOf(e)>=0)return!0}else
if(s===e)return!0}return!1};var n=r(37),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.isFunctionDeclaration)(e)
|(0,n.isClassDeclaration)(e)|(0,i.default)(e)};var n=r(1),i=r(118),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if((0,n.default)(e.type,"Immutable"))
return!0;if((0,i.isIdentifier)(e))return"undefined"===e.name;return!1};var n=r(56),i=r(1),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function e(t,r){if("object"!==typeof
t||"object"!==typeof r||null===t||null===r)return t===r;if(t.type!==r.type)return!1;const
i=Object.keys(n.NODE_FIELDS[t.type]||t.type),s=n.VISITOR_KEYS[t.type];for(const n of i){if(typeof
t[n]!==typeof
r[n])return!1;if(null!==t[n]||null!==r[n]){if(null===t[n]||null===r[n])return!1;if(Array.isArray(t[n])){if(!Array.isArray(r[n]
))return!1;if(t[n].length!==r[n].length)return!1;for(let i=0;i<t[n].length;i++)if(!e(t[n][i],r[n][i]))return!1}else
if("object"!==typeof t[n]||null!==s&&s.includes(n)){if(!e(t[n],r[n]))return!1}else for(const e of
Object.keys(t[n]))if(t[n][e]!==r[n][e])return!1}}return!0};var n=r(6),function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){switch(t.type){case"MemberExpr
ession":case"JSXMemberExpression":case"OptionalMemberExpression":return
t.property===e?!t.computed:t.object===e;case"VariableDeclarator":return
t.init===e;case"ArrowFunctionExpression":return
t.body===e;case"PrivateName":return!1;case"ClassMethod":case"ClassPrivateMethod":case"ObjectMethod":if(t.pa
rams.includes(e))return!1;case"ObjectProperty":case"ClassProperty":case"ClassPrivateProperty":return
t.key===e?!t.computed:t.value!==e!(r||"ObjectPattern"!==r.type);case"ClassDeclaration":case"ClassExpression":r
eturn t.superClass===e;case"AssignmentExpression":case"AssignmentPattern":return
t.right===e;case"LabeledStatement":case"CatchClause":case"RestElement":return!1;case"BreakStatement":case"Co
ntinueStatement":return!1;case"FunctionDeclaration":case"FunctionExpression":return!1;case"ExportNamespaceSp
ecifier":case"ExportDefaultSpecifier":return!1;case"ExportSpecifier":return(null===r||!r.source)&&t.local===e;case"
ImportDefaultSpecifier":case"ImportNamespaceSpecifier":case"ImportSpecifier":case"JSXAttribute":return!1;case"
ObjectPattern":case"ArrayPattern":case"MetaProperty":return!1;case"ObjectTypeProperty":return
t.key!==e;case"TSEnumMember":return t.id===e;case"TSPropertySignature":return
t.key!==e||!t.computed}return!0}}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t){if((0,n.isBlockStatement)(e)&&((0
,n.isFunction)(t)|(0,n.isCatchClause)(t)))return!1;if((0,n.isPattern)(e)&&((0,n.isFunction)(t)|(0,n.isCatchClause)(t)))
return!0;return(0,n.isScopable)(e)};var n=r(1)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.isImportDefaultSpecifier)
(e)|(0,n.isIdentifier)(e.imported|e.exported,{name:"default"})};var n=r(1)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.default)(e)&&!i.has(e)};v
ar n=r(24);const i=new
Set(["abstract","boolean","byte","char","double","enum","final","float","goto","implements","int","interface","long"
,"native","package","private","protected","public","short","static","synchronized","throws","transient","volatile"]);f
unction(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){return(0,n.isVariableDeclaration)(e,
{kind:"var"})&&!e[i.BLOCK_SCOPED_SYMBOL]};var n=r(1),i=r(15),function(e,t){"use
strict";e.exports=r(313)},function(e){e.exports=JSON.parse('{"builtin":{"Array":false,"ArrayBuffer":false,"Atomics"
:.false,"BigInt":false,"BigInt64Array":false,"BigUint64Array":false,"Boolean":false,"constructor":false,"DataView"

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strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){return new a(e,t,r).generate(),t.CodeGenerator=void 0;var n=s(r(315)),i=s(r(323));function s(e){return e&&e.__esModule?e:{default:e}}class a extends i.default{constructor(e,t={},r){super(function(e,t){const r={ auxiliaryCommentBefore:t.auxiliaryCommentBefore,auxiliaryCommentAfter:t.auxiliaryCommentAfter,shouldPrintComment:t.shouldPrintComment,retainLines:t.retainLines,retainFunctionParens:t.retainFunctionParens,comments:null==t.comments||t.comments,compact:t.compact,minified:t.minified,concise:t.concise,jsonCompatibleStrings:t.jsonCompatibleStrings,indent:{ adjustMultilineComment:!0,style:"",base:0},decoratorsBeforeExport:!!t.decoratorsBeforeExport,jscOption:Object.assign({ quotes:"double",wrap:!0},t.jscOption),recordAndTupleSyntaxType:t.recordAndTupleSyntaxType};r.minified?(r.compact=!0,r.shouldPrintComment=r.shouldPrintComment||((()=>>r.comments)):r.shouldPrintComment=r.shouldPrintComment||((e=>r.comment s)||e.indexOf("@license")>=0||e.indexOf("@preserve")>=0),"auto"===r.compact&&(r.compact=e.length>5e5,r.compact&&console.error("[BABEL] Note: The code generator has deoptimised the styling of "+t.filename+" as it

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exceeds the max of 500KB.");r.compact&&(r.indent.adjustMultilineComment=!1);return r}(r,t),t.sourceMaps?new
n.default(t,r):null),this.ast=void 0,this.ast=e}generate(){return
super.generate(this.ast)}t.CodeGenerator=class{constructor(e,t,r){this._generator=new a(e,t,r)}generate(){return
this._generator.generate()}}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n,i=(n=r(316))&&n.__esModule?n:{default:n};t.default=class{constructor(e,t){this._cachedMap=null,this._code=t,t
his._opts=e,this._rawMappings=[]}get(){if(!this._cachedMap){const e=this._cachedMap=new
i.default.SourceMapGenerator({sourceRoot:this._opts.sourceRoot}),t=this._code;"string"===typeof
t?e.setSourceContent(this._opts.sourceFileName.replace(/\\/g,"/"),t):"object"===typeof
t&&Object.keys(t).forEach(r=>{e.setSourceContent(r.replace(/\\/g,"/"),t[r])}),this._rawMappings.forEach(t=>e.add
Mapping(t,e))return this._cachedMap.toJSON()}getRawMappings(){return
this._rawMappings.slice()}mark(e,t,r,n,i,s,a){this._lastGenLine!==e&&null===r||(a||this._lastGenLine!==e||this._las
tSourceLine!==r||this._lastSourceColumn!==n)&&(this._cachedMap=null,this._lastGenLine=e,this._lastSourceLine
=r,this._lastSourceColumn=n,this._rawMappings.push({name:i||void
0,generated:{line:e,column:t},source:null===r?void
0:(s||this._opts.sourceFileName).replace(/\\/g,"/"),original:null===r?void
0:{line:r,column:n}})}},function(e,t,r){t.SourceMapGenerator=r(119).SourceMapGenerator,t.SourceMapConsum
er=r(319).SourceMapConsumer,t.SourceNode=r(322).SourceNode},function(e,t){var
r="ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/" .split("");t.encode=funct
ion(e){if(0<=e&&e<r.length)return r[e];throw new TypeError("Must be between 0 and 63:
"+e)},t.decode=function(e){return 65<=e&&e<=90?e-65:97<=e&&e<=122?e-97+26:48<=e&&e<=57?e-
48+52:43===e?62:47===e?63:-1}},function(e,t,r){var n=r(25);function
i(){this._array=[],this._sorted=!0,this._last={generatedLine:-
1,generatedColumn:0}}i.prototype.unsortedForEach=function(e,t){this._array.forEach(e,t)},i.prototype.add=functio
n(e){var
t,r,i,s,a,o;t=this._last,r=e,i=t.generatedLine,s=r.generatedLine,a=t.generatedColumn,o=r.generatedColumn,s>i||s===i
&&o>a||n.compareByGeneratedPositionsInflated(t,r)<=0?(this._last=e,this._array.push(e)):(this._sorted=!1,this._ar
ray.push(e)),i.prototype.toArray=function(){return
this._sorted||(this._array.sort(n.compareByGeneratedPositionsInflated),this._sorted=!0),this._array},t.MappingList=i
},function(e,t,r){var n=r(25),i=r(320),s=r(121).ArraySet,a=r(120),o=r(321).quickSort;function l(e){var
t=e;return"string"===typeof e&&(t=JSON.parse(e.replace(/\\/g,\\/)/,""))),null!=t.sections?new u(t):new c(t)}function
c(e){var t=e;"string"===typeof e&&(t=JSON.parse(e.replace(/\\/g,\\/)/,"")));var
r=n.getArg(t,"version"),i=n.getArg(t,"sources"),a=n.getArg(t,"names",[]),o=n.getArg(t,"sourceRoot",null),l=n.getAr
g(t,"sourcesContent",null),c=n.getArg(t,"mappings"),p=n.getArg(t,"file",null);if(r!=this._version)throw new
Error("Unsupported version: "+r);i=i.map(String).map(n.normalize).map((function(e){return
o&&n.isAbsolute(o)&&n.isAbsolute(e)?n.relative(o,e):e})),this._names=s.fromArray(a.map(String,!0),this._source
s=s.fromArray(i,!0),this.sourceRoot=o,this.sourcesContent=l,this._mappings=c,this.file=p}function
p(){this.generatedLine=0,this.generatedColumn=0,this.source=null,this.originalLine=null,this.originalColumn=null,
this.name=null}function u(e){var t=e;"string"===typeof e&&(t=JSON.parse(e.replace(/\\/g,\\/)/,"")));var
r=n.getArg(t,"version"),i=n.getArg(t,"sections");if(r!=this._version)throw new Error("Unsupported version:
"+r);this._sources=new s,this._names=new s;var a={line:-
1,column:0};this._sections=i.map((function(e){if(e.url)throw new Error("Support for url field in sections not
implemented.");var
t=n.getArg(e,"offset"),r=n.getArg(e,"line"),i=n.getArg(e,"column");if(r<a.line||r===a.line&&i<a.column)throw new
Error("Section offsets must be ordered and non-overlapping.");return
a=t,{generatedOffset:{generatedLine:r+1,generatedColumn:i+1},consumer:new
l(n.getArg(e,"map"))})))}l.fromSourceMap=function(e){return
c.fromSourceMap(e)},l.prototype._version=3,l.prototype.__generatedMappings=null,Object.defineProperty(l,protot

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ype,"_generatedMappings",{get:function(){return
this.__generatedMappings||this._parseMappings(this._mappings,this.sourceRoot),this.__generatedMappings}},l.prototype.__originalMappings=null,Object.defineProperty(l.prototype,"_originalMappings",{get:function(){return
this.__originalMappings||this._parseMappings(this._mappings,this.sourceRoot),this.__originalMappings}},l.prototype._charIsMappingSeparator=function(e,t){var
r=e.charAt(t);return";"===r||","===r},l.prototype._parseMappings=function(e,t){throw new Error("Subclasses must
implement
_parseMappings")},l.GENERATED_ORDER=1,l.ORIGINAL_ORDER=2,l.GREATEST_LOWER_BOUND=1,l.LEAST_UPPER_BOUND=2,l.prototype.eachMapping=function(e,t,r){var
i,s=t||null;switch(r||l.GENERATED_ORDER){case
l.GENERATED_ORDER:i=this.__generatedMappings;break;case
l.ORIGINAL_ORDER:i=this._originalMappings;break;default:throw new Error("Unknown order of iteration.")}var
a=this.sourceRoot;i.map((function(e){var t=null===e.source?null:this._sources.at(e.source);return
null!=t&&null!=a&&(t=n.join(a,t)),{source:t,generatedLine:e.generatedLine,generatedColumn:e.generatedColumn,
originalLine:e.originalLine,originalColumn:e.originalColumn,name:null===e.name?null:this._names.at(e.name)}}),
this).forEach(e,s)},l.prototype.allGeneratedPositionsFor=function(e){var
t=n.getArg(e,"line"),r={source:n.getArg(e,"source"),originalLine:t,originalColumn:n.getArg(e,"column",0)};if(null!
=this.sourceRoot&&(r.source=n.relative(this.sourceRoot,r.source)),!this._sources.has(r.source))return[];r.source=this
s._sources.indexOf(r.source);var
s=[],a=this._findMapping(r,this._originalMappings,"originalLine","originalColumn",n.compareByOriginalPositions,
l.LEAST_UPPER_BOUND);if(a>=0){var o=this._originalMappings[a];if(void 0===e.column)for(var
l=o.originalLine;o&&o.originalLine===l;s.push({line:n.getArg(o,"generatedLine",null),column:n.getArg(o,"genera
tedColumn",null),lastColumn:n.getArg(o,"lastGeneratedColumn",null)}),o=this._originalMappings[++a];else
for(var
c=o.originalColumn;o&&o.originalLine===t&&o.originalColumn===c;s.push({line:n.getArg(o,"generatedLine",nul
l),column:n.getArg(o,"generatedColumn",null),lastColumn:n.getArg(o,"lastGeneratedColumn",null)}),o=this._origi
nalMappings[++a])return
s},t.SourceMapConsumer=l,c.prototype=Object.create(l.prototype),c.prototype.consumer=l,c.fromSourceMap=funct
ion(e){var
t=Object.create(c.prototype),r=t._names=s.fromArray(e._names.toArray(),!0),i=t._sources=s.fromArray(e._sources.t
oArray(),!0);t.sourceRoot=e._sourceRoot,t.sourcesContent=e._generateSourcesContent(t._sources.toArray(),t.source
Root),t.file=e._file;for(var
a=e._mappings.toArray().slice(),l=t.__generatedMappings=[],u=t.__originalMappings=[],d=0,h=a.length;d<h;d++){
var f=a[d],m=new
p;m.generatedLine=f.generatedLine,m.generatedColumn=f.generatedColumn,f.source&&(m.source=i.indexOf(f.sou
rce),m.originalLine=f.originalLine,m.originalColumn=f.originalColumn,f.name&&(m.name=r.indexOf(f.name)),u.p
ush(m)),l.push(m)}return
o(t.__originalMappings,n.compareByOriginalPositions),t},c.prototype._version=3,Object.defineProperty(c.prototype
,"sources",{get:function(){return this._sources.toArray().map((function(e){return
null!=this.sourceRoot?n.join(this.sourceRoot,e)}),this)}}),c.prototype._parseMappings=function(e,t){for(var
r,i,s,l,c,u=1,d=0,h=0,f=0,m=0,y=0,T=e.length,b=0,g={},S={},x=[],E=[];b<T;if(";"===e.charAt(b))u++,b++,d=0;els
e if(";"===e.charAt(b))b++;else{for((r=new
p).generatedLine=u,l=b;l<T&&!this._charIsMappingSeparator(e,l);l++);if(s=g[i=e.slice(b,l)])b+=i.length;else{for(s
=[];b<l;a.decode(e,b,S),c=S.value,b=S.rest,s.push(c);if(2===s.length)throw new Error("Found a source, but no line
and column");if(3===s.length)throw new Error("Found a source and line, but no
column");g[i]=s}r.generatedColumn=d+s[0],d=r.generatedColumn,s.length>1&&(r.source=m+s[1],m+=s[1],r.origin
alLine=h+s[2],h=r.originalLine,r.originalLine+=1,r.originalColumn=f+s[3],f=r.originalColumn,s.length>4&&(r.na
me=y+s[4],y+=s[4])),E.push(r),"number"===typeof

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r.originalLine&&x.push(r)}o(E,n.compareByGeneratedPositionsDeflated),this.__generatedMappings=E,o(x,n.compareByOriginalPositions),this.__originalMappings=x},c.prototype._findMapping=function(e,t,r,n,s,a){if(e[r]<=0)throw new TypeError("Line must be greater than or equal to 1, got "+e[r]);if(e[n]<0)throw new TypeError("Column must be greater than or equal to 0, got "+e[n]);return
i.search(e,t,s,a)},c.prototype.computeColumnSpans=function(){for(var
e=0;e<this.__generatedMappings.length;++e){var
t=this.__generatedMappings[e];if(e+1<this.__generatedMappings.length){var
r=this.__generatedMappings[e+1];if(t.generatedLine===r.generatedLine){t.lastGeneratedColumn=r.generatedColumn-1;continue}}t.lastGeneratedColumn=1/0}},c.prototype.originalPositionFor=function(e){var
t={generatedLine:n.getArg(e,"line"),generatedColumn:n.getArg(e,"column")},r=this._findMapping(t,this.__generatedMappings,"generatedLine","generatedColumn",n.compareByGeneratedPositionsDeflated,n.getArg(e,"bias",l.GREATEST_LOWER_BOUND));if(r>=0){var
i=this.__generatedMappings[r];if(i.generatedLine===t.generatedLine){var
s=n.getArg(i,"source",null);null!==s&&(s=this._sources.at(s),null!==this.sourceRoot&&(s=n.join(this.sourceRoot,s)));var a=n.getArg(i,"name",null);return
null!==a&&(a=this._names.at(a)),{source:s,line:n.getArg(i,"originalLine",null),column:n.getArg(i,"originalColumn",null),name:a}}return{source:null,line:null,column:null,name:null}},c.prototype.hasContentsOfAllSources=function(){return!!this.sourcesContent&&(this.sourcesContent.length>=this._sources.size())&&!this.sourcesContent.some(function(e){return null===e})}),c.prototype.sourceContentFor=function(e,t){if(!this.sourcesContent)return
null;if(null!==this.sourceRoot&&(e=n.relative(this.sourceRoot,e)),this._sources.has(e))return
this.sourcesContent[this._sources.indexOf(e)];var r;if(null!==this.sourceRoot&&(r=n.urlParse(this.sourceRoot)){var
i=e.replace(/^file:\//,"");if("file"===r.scheme&&this._sources.has(i))return
this.sourcesContent[this._sources.indexOf(i)];if(!r.path||"/"===r.path)&&this._sources.has("/"+e))return
this.sourcesContent[this._sources.indexOf("/"+e)]}if(t)return null;throw new Error("'+e+' is not in the SourceMap."),c.prototype.generatedPositionFor=function(e){var
t=n.getArg(e,"source");if(null!==this.sourceRoot&&(t=n.relative(this.sourceRoot,t)),!this._sources.has(t))return{line:
null,column:null,lastColumn:null};var
r={source:t=this._sources.indexOf(t),originalLine:n.getArg(e,"line"),originalColumn:n.getArg(e,"column")},i=this._findMapping(r,this.__originalMappings,"originalLine","originalColumn",n.compareByOriginalPositions,n.getArg(e,"bias",l.GREATEST_LOWER_BOUND));if(i>=0){var
s=this.__originalMappings[i];if(s.source===r.source)return{line:n.getArg(s,"generatedLine",null),column:n.getArg(s,"generatedColumn",null),lastColumn:n.getArg(s,"lastGeneratedColumn",null)}}return{line:null,column:null,lastColumn:null}},t.BasicSourceMapConsumer=c,u.prototype=Object.create(l.prototype),u.prototype.constructor=l,u.prototype._version=3,Object.defineProperty(u.prototype,"sources",{get:function(){for(var
e=[],t=0;t<this._sections.length;t++)for(var
r=0;r<this._sections[t].consumer.sources.length;r++)e.push(this._sections[t].consumer.sources[r]);return
e}},u.prototype.originalPositionFor=function(e){var
t={generatedLine:n.getArg(e,"line"),generatedColumn:n.getArg(e,"column")},r=i.search(t,this._sections,(function(e,t){var r=e.generatedLine-t.generatedOffset.generatedLine;return r|e.generatedColumn-t.generatedOffset.generatedColumn})),s=this._sections[r];return
s?s.consumer.originalPositionFor({line:t.generatedLine-(s.generatedOffset.generatedLine-1),column:t.generatedColumn-(s.generatedOffset.generatedLine===t.generatedLine?s.generatedOffset.generatedColumn-1:0),bias:e.bias}):{source:null,line:null,column:null,name:null}},u.prototype.hasContentsOfAllSources=function(){return
this._sections.every(function(e){return
e.consumer.hasContentsOfAllSources()})},u.prototype.sourceContentFor=function(e,t){for(var
r=0;r<this._sections.length;r++){var n=this._sections[r].consumer.sourceContentFor(e,!0);if(n)return n}if(t)return
null;throw new Error("'+e+' is not in the SourceMap."),u.prototype.generatedPositionFor=function(e){for(var

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t=0;t<this._sections.length;t++){var r=this._sections[t];if(-
1!==r.consumer.sources.indexOf(n.getArg(e,"source"))){var
i=r.consumer.generatedPositionFor(e);if(i)return{line:i.line+(r.generatedOffset.generatedLine-
1),column:i.column+(r.generatedOffset.generatedLine===i.line?r.generatedOffset.generatedColumn-
1:0)}}}return{line:null,column:null}},u.prototype._parseMappings=function(e,t){this.__generatedMappings=[],this.
__originalMappings=[];for(var r=0;r<this._sections.length;r++)for(var
i=this._sections[r],s=i.consumer._generatedMappings,a=0;a<s.length;a++){var
l=s[a],c=i.consumer._sources.at(l.source);null!==i.consumer.sourceRoot&&(c=n.join(i.consumer.sourceRoot,c)),thi
s._sources.add(c),c=this._sources.indexOf(c);var
p=i.consumer._names.at(l.name);this._names.add(p),p=this._names.indexOf(p);var
u={source:c,generatedLine:l.generatedLine+(i.generatedOffset.generatedLine-
1),generatedColumn:l.generatedColumn+(i.generatedOffset.generatedLine===l.generatedLine?i.generatedOffset.ge
neratedColumn-
1:0),originalLine:l.originalLine,originalColumn:l.originalColumn,name:p};this.__generatedMappings.push(u),"num
ber"===typeof
u.originalLine&&this.__originalMappings.push(u)}o(this.__generatedMappings,n.compareByGeneratedPositionsD
eflated),o(this.__originalMappings,n.compareByOriginalPositions)},t.IndexedSourceMapConsumer=u},function(e,t
){t.GREATEST_LOWER_BOUND=1,t.LEAST_UPPER_BOUND=2,t.search=function(e,r,n,i){if(0===r.length)ret
urn-1;var s=function e(r,n,i,s,a,o){var l=Math.floor((n-r)/2)+r,c=a(i,s[l],!0);return 0===c?!:c>0?n-
l>1?e(l,n,i,s,a,o):o===t.LEAST_UPPER_BOUND?n<s.length?n-1:l:l-
r>1?e(r,l,i,s,a,o):o===t.LEAST_UPPER_BOUND?!:r<0?-1:r}(-
1,r.length,e,r,n,i||t.GREATEST_LOWER_BOUND);if(s<0)return-1;for(;s-1>=0&&0===n(r[s],r[s-1],!0);)--s;return
s}},function(e,t){function r(e,t,r){var n=e[t];e[t]=e[r],e[r]=n}function n(e,t,i,s){if(i<s){var a=i-
1;r(e,(p=i,u=s,Math.round(p+Math.random()*(u-p))),s);for(var
o=e[s],l=i;l<s;l++)t(e[l],o)<=0&&r(e,a+1,l);r(e,a+1,l);var c=a+1;n(e,t,i,c-1),n(e,t,c+1,s)}var
p,u}t.quickSort=function(e,t){n(e,t,0,e.length-1)},function(e,t,r){var
n=r(119).SourceMapGenerator,i=r(25),s=/(\r?\n)/,a="$$$isSourceNode$$$";function
o(e,t,r,n,i){this.children=[],this.sourceContents={},this.line=null===e?null:e,this.column=null===t?null:t,this.source=
null===r?null:r,this.name=null===i?null:i,this[a]=!0,null!==n&&this.add(n)}o.fromStringWithSourceMap=function(e,t,
r){var n=new o,a=e.split(s),l=0,c=function(){return e()+(e()||"");}function e(){return l<a.length?a[l++]:void
0}},p=1,u=0,d=null;return t.eachMapping((function(e){if(null!==d){if(!(p<e.generatedLine)){var
t=(r=a[l]).substr(0,e.generatedColumn-u);return a[l]=r.substr(e.generatedColumn-
u),u=e.generatedColumn,h(d,t),void(d=e)}h(d,c()),p++,u=0}for(;p<e.generatedLine;)n.add(c()),p++;if(u<e.generat
edColumn){var
r=a[l];n.add(r.substr(0,e.generatedColumn)),a[l]=r.substr(e.generatedColumn),u=e.generatedColumn}d=e}),this),l<a
.length&&(d&&h(d,c()),n.add(a.splice(l).join("")),t.sources.forEach((function(e){var
s=t.sourceContentFor(e);null!=s&&(null!=r&&(e=i.join(r,e)),n.setSourceContent(e,s))),n;function
h(e,t){if(null===e||void 0===e.source)n.add(t);else{var s=r?i.join(r,e.source):e.source;n.add(new
o(e.originalLine,e.originalColumn,s,t,e.name))}},o.prototype.add=function(e){if(Array.isArray(e))e.forEach((funct
ion(e){this.add(e)}),this);else{if(!e[a]&&"string"!==typeof e)throw new TypeError("Expected a SourceNode, string,
or an array of SourceNodes and strings. Got "+e);e&&this.children.push(e)}return
this},o.prototype.prepend=function(e){if(Array.isArray(e))for(var t=e.length-1;t>=0;t--
)this.prepend(e[t]);else{if(!e[a]&&"string"!==typeof e)throw new TypeError("Expected a SourceNode, string, or an
array of SourceNodes and strings. Got "+e);this.children.unshift(e)}return
this},o.prototype.walk=function(e){for(var
t,r=0,n=this.children.length;r<n;r++)(t=this.children[r])[a]?t.walk(e):""!==t&&e(t,{source:this.source,line:this.line,c
olumn:this.column,name:this.name}),o.prototype.join=function(e){var
t,r,n=this.children.length;if(n>0){for(t=[],r=0;r<n-

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1;r++)t.push(this.children[r]),t.push(e);t.push(this.children[r]),this.children=t}return
this},o.prototype.replaceRight=function(e,t){var r=this.children[this.children.length-1];return
r[a]?r.replaceRight(e,t):"string"===typeof r?this.children[this.children.length-
1]=r.replace(e,t):this.children.push("".replace(e,t)),this},o.prototype.setSourceContent=function(e,t){this.sourceCont
ents[i.toSetString(e)]=t},o.prototype.walkSourceContents=function(e){for(var
t=0,r=this.children.length;t<r;t++)this.children[t][a]&&this.children[t].walkSourceContents(e);var
n=Object.keys(this.sourceContents);for(t=0,r=n.length;t<r;t++)e(i.fromSetString(n[t]),this.sourceContents[n[t]]),o.
prototype.toString=function(){var e="";return
this.walk((function(t){e+=t})),e},o.prototype.toStringWithSourceMap=function(e){var
t={code:"",line:1,column:0},r=new n(e),i=!1,s=null,a=null,o=null,l=null;return
this.walk((function(e,n){t.code+=e,null!==(s=n.source&&null!==(l=n.line&&null!==(o=n.column)?(s===n.source&&a===n.l
ine&&o===n.column&&l===n.name||r.addMapping({source:n.source,original:{line:n.line,column:n.column},gener
ated:{line:t.line,column:t.column},name:n.name}),s=n.source,a=n.line,o=n.column,l=n.name,i=!0):i&&(r.addMappi
ng({generated:{line:t.line,column:t.column}),s=null,i=!1);for(var
c=0,p=e.length;c<p;c++)10===e.charCodeAt(c)?(t.line++,t.column=0,c+1===p?(s=null,i=!1):i&&r.addMapping({s
ource:n.source,original:{line:n.line,column:n.column},generated:{line:t.line,column:t.column},name:n.name})):t.col
umn++)),this.walkSourceContents((function(e,t){r.setSourceContent(e,t)})),{code:t.code,map:r},t.SourceNode=o
},function(e,t,r){t.use strict;Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;var
n,i=(n=r(324))&&n.__esModule?n:{default:n},s=c(r(122)),a=c(r(0)),o=c(r(327));function l(){if("function"!==typeof
WeakMap)return null;var e=new WeakMap;return l=function(){return e},e}function
c(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var
t=l();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i
in e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}const p=/e/i,u=\/.0+$/,d=\/^0[box]/,h=\/^s*[@#]__PURE__\s*$/;class
f{constructor(e,t){this.inForStatementInitCounter=0,this._printStack=[],this._indent=0,this._insideAux=!1,this._prin
tedCommentStarts={},this._parenPushNewlineState=null,this._noLineTerminator=!1,this._printAuxAfterOnNextUs
erNode=!1,this._printedComments=new
WeakSet,this._endsWithInteger=!1,this._endsWithWord=!1,this.format=e||{ },this._buf=new
i.default(t)}generate(e){return
this.print(e),this._maybeAddAuxComment(),this._buf.get()}indent(){this.format.compact||this.format.concise||this._i
ndent++}dedent(){this.format.compact||this.format.concise||this._indent--
}semicolon(e=!1){this._maybeAddAuxComment(),this._append(";",!e)}rightBrace(){this.format.minified&&this._b
uf.removeLastSemicolon(),this.token("")}space(e=!1){this.format.compact||(this._buf.hasContent())&&!this.endsW
ith("
")&&!this.endsWith("\n")||e)&&this._space()}word(e){(this._endsWithWord||this.endsWith("/")&&0===e.indexOf(
"/"))&&this._space(),this._maybeAddAuxComment(),this._append(e),this._endsWithWord=!0}number(e){this.wor
d(e),this._endsWithInteger=Number.isInteger(+e)&&!d.test(e)&&!p.test(e)&&!u.test(e)&&". "!==e[e.length-
1]}token(e){("--"===e&&this.endsWith("!"))||("+"===e[0]&&this.endsWith("+"))||("-"===e[0]&&this.endsWith("-
"))||"."===e[0]&&this._endsWithInteger)&&this._space(),this._maybeAddAuxComment(),this._append(e)}newline(
e){if(!this.format.retainLines&&!this.format.compact)if(this.format.concise)this.space();else
if(!this.endsWith("\n\n")||("number"!==typeof
e&&(e=1),e=Math.min(2,e),(this.endsWith("\n")||this.endsWith(":n"))&&e--,e<=0)))for(let
t=0;t<e;t++)this._newline()}endsWith(e){return
this._buf.endsWith(e)}removeTrailingNewline(){this._buf.removeTrailingNewline()}exactSource(e,t){this._catchU
p("start",e),this._buf.exactSource(e,t)}source(e,t){this._catchUp(e,t),this._buf.source(e,t)}withSource(e,t,r){this._cat
chUp(e,t),this._buf.withSource(e,t,r)}_space(){this._append("
",!0)}_newline(){this._append("\n",!0)}_append(e,t=!1){this._maybeAddParen(e),this._maybeIndent(e,t?this._buf.

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queue(e):this._buf.append(e),this._endsWithWord=!1,this._endsWithInteger=!1}_maybeIndent(e){this._indent&&this.endsWith("\n")&&"\n"!==e[0]&&this._buf.queue(this._getIndent())}_maybeAddParen(e){const t=this._parenPushNewlineState;if(!t)return;let r;for(r=0;r<e.length&&"===e[r];r++)continue;if(r===e.length)return;const n=e[r];if("\n"!==n){if("/")!==n||r+1===e.length)return void(this._parenPushNewlineState=null);const t=e[r+1];if("*"===t){if(h.test(e.slice(r+2,e.length-2)))return}else if("/")===t)return void(this._parenPushNewlineState=null)}this.token(""),this.indent(),t.printed=!0}_catchUp(e,t){if(!this.format.retainLines)return;const r=t?t[e]:null;if(null!=(null===r?void 0:r.line)){const e=r.line-this._buf.getCurrentLine();for(let t=0;t<e;t++)this._newline()}_getIndent(){return this.format.indent.style.repeat(this._indent)}startTerminatorless(e=!1){return e?(this._noLineTerminator=!0,null):this._parenPushNewlineState={printed:!1}endTerminatorless(e){this._noLineTerminator=!1,(null===e?void 0:e.printed)&&(this.dedent(),this.newline(),this.token(""))}print(e,t){if(!e)return;const r=this.format.concise;e._compact&&(this.format.concise=!0);const n=this[e.type];if(!n)throw new ReferenceError(`unknown node of type ${JSON.stringify(e.type)} with constructor ${JSON.stringify(null===e?void 0:e.constructor.name)}`);this._printStack.push(e);const i=this._insideAux;this._insideAux=!e.loc,this._maybeAddAuxComment(this._insideAux&&i);let o=s.needsParens(e,t,this._printStack);this.format.retainFunctionParens&&"FunctionExpression"===e.type&&e.extra&&e.extra.parenthesized&&(o=!0),o&&this.token(""),this._printLeadingComments(e);const l=a.isProgram(e)||a.isFile(e)?null:e.loc;this.withSource("start",l,()=>{n.call(this,e,t)}),this._printTrailingComments(e),o&&this.token(""),this._printStack.pop(),this.format.concise=r,this._insideAux=i}_maybeAddAuxComment(e){e&&this._printAuxBeforeComment(),this._insideAux||this._printAuxAfterComment()}_printAuxBeforeComment(){if(this._printAuxAfterOnNextUserNode)return;this._printAuxAfterOnNextUserNode=!0;const e=this.format.auxiliaryCommentBefore;e&&this._printComment({type:"CommentBlock",value:e})}_printAuxAfterComment(){if(!this._printAuxAfterOnNextUserNode)return;this._printAuxAfterOnNextUserNode=!1;const e=this.format.auxiliaryCommentAfter;e&&this._printComment({type:"CommentBlock",value:e})}getPossibleRaw(e){const t=e.extra;if(t&&null!=t.raw&&null!=t.rawValue&&e.value===t.rawValue)return t.raw}printJoin(e,t,r={}){if(!(null===e?void 0:e.length))return;r.indent&&this.indent();const n={addNewlines:r.addNewlines};for(let i=0;i<e.length;i++){const s=e[i];s&&(r.statement&&this._printNewline(!0,s,t,n),this.print(s,t),r.iterator&&r.iterator(s,i),r.separator&&i<e.length-1&&r.separator.call(this),r.statement&&this._printNewline(!1,s,t,n)}r.indent&&this.dedent()}printAndIndentOnComments(e,t){const r=e.leadingComments&&e.leadingComments.length>0;r&&this.indent(),this.print(e,t),r&&this.dedent()}printBlock(e){const t=e.body;a.isEmptyStatement(t)||this.space(),this.print(t,e)}_printTrailingComments(e){this._printComments(this._getComments(!1,e))}_printLeadingComments(e){this._printComments(this._getComments(!0,e,!0)}printInnerComments(e,t=!0){var r;(null==(r=e.innerComments)?void 0:r.length)&&(t&&this.indent(),this._printComments(e.innerComments),t&&this.dedent())}printSequence(e,t,r={}){return r.statement=!0,this.printJoin(e,t,r)}printList(e,t,r={}){return null===r.separator&&(r.separator=m),this.printJoin(e,t,r)}_printNewline(e,t,r,n){if(this.format.retainLines||this.format.compact)return;if(this.format.concise)return void this.space();let i=0;if(this._buf.hasContent()){e||i++,n.addNewlines&&(i+=n.addNewlines(e,t)||0);(e?s.needsWhitespaceBefore:s.needsWhitespaceAfter)(t,r)&&i++}this.newline(i)}_getComments(e,t){return t&&(e?t.leadingComments:t.trailingComments)||[]}_printComment(e,t){if(!this.format.shouldPrintComment(e.value))return;if(e.ignore)return;if(this._printedComments.has(e))return;if(this._printedComments.add(e),null!=e.start){if(this._printedCommentStarts[e.start])return;this._printedCommentStarts[e.start]=!0}const r="CommentBlock"===e.type,n=r&&!t&&!this._noLineTerminator;n&&this._buf.hasContent()&&this.newline(1),t

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his.endsWith("[")||this.endsWith("{")||this.space());let
i=r||this._noLineTerminator?/*$ {e.value}*/^:/$ {e.value}\n`;if(r&&this.format.indent.adjustMultilineComment){v
ar s;const t=null==(s=e.loc)?void 0:s.start.column;if(t){const e=new
RegExp("\n\s{1,}+","g");i=i.replace(e,"n")}const
r=Math.max(this._getIndent().length,this.format.retainLines?0:this._buf.getCurrentColumn());i=i.replace(/n(?!$)/g,
"\n"+"
".repeat(r))this.endsWith(")")&&this._space(),this.withSource("start",e.loc,()=>{this._append(i)}),n&&this.newlin
e(1)}_printComments(e,t){if(null===e?void
0:e.length)if(t&&1===e.length&&h.test(e[0].value))this._printComment(e[0],this._buf.hasContent()&&!this.endsW
ith("\n"));else for(const t of e)this._printComment(t)}printAssertions(e){var t;(null==(t=e.assertions)?void
0:t.length)&&(this.space(),this.word("assert"),this.space(),this.token("{"),this.space(),this.printList(e.assertions,e),th
is.space(),this.token("}"))}function
m(){this.token(","),this.space()}t.default=f,Object.assign(f.prototype,o)},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void 0;const n=/^[
\t]+$/;t.default=class{constructor(e){this._map=null,this._buf=[],this._last="",this._queue=[],this._position={line:1,
column:0},this._sourcePosition={identifierName:null,line:null,column:null,filename:null},this._disallowedPop=null
,this._map=e}get(){this._flush();const
e=this._map,t={code:this._buf.join("").trimRight(),map:null,rawMappings:null===e?void
0:e.getRawMappings();return e&&Object.defineProperty(t,"map",{configurable:!0,enumerable:!0,get(){return
this.map=e.get()},set(e){Object.defineProperty(this,"map",{value:e,writable:!0})}},t)}append(e){this._flush();const
{line:t,column:r,filename:n,identifierName:i,force:s}=this._sourcePosition;this._append(e,t,r,i,n,s)}queue(e){if("\n"
===e)for(;this._queue.length>0&&n.test(this._queue[0][0]);)this._queue.shift();const{line:t,column:r,filename:i,ide
ntifierName:s,force:a}=this._sourcePosition;this._queue.unshift([e,t,r,s,i,a])}_flush(){let
e;for(;e=this._queue.pop();){this._append(...e)}_append(e,t,r,n,i,s){this._buf.push(e),this._last=e[e.length-1];let
a=e.indexOf("\n"),o=0;for(0!==(a&&this._mark(t,r,n,i,s);-
1!==(a);)this._position.line++,this._position.column=0,o=a+1,o<e.length&&this._mark(++t,0,n,i,s),a=e.indexOf("\n",
o);)this._position.column+=e.length-o}_mark(e,t,r,n,i){var
s>null==(s=this._map)||s.mark(this._position.line,this._position.column,e,t,r,n,i)}removeTrailingNewline(){this._que
ue.length>0&&"\n"===this._queue[0][0]&&this._queue.shift()}removeLastSemicolon(){this._queue.length>0&&"
"===this._queue[0][0]&&this._queue.shift()}endsWith(e){if(1===e.length){let t;if(this._queue.length>0){const
e=this._queue[0][0];t=e[e.length-1]}else t=this._last;return t===e}const
t=this._last+this._queue.reduce((e,t)=>t[0]+e,"");return e.length<=t.length&&t.slice(-
e.length)===e}hasContent(){return
this._queue.length>0||!this._last}exactSource(e,t){this.source("start",e,!0),t(),this.source("end",e),this._disallowPop
("start",e)}source(e,t,r){e&&!t||this._normalizePosition(e,t,this._sourcePosition,r)}withSource(e,t,r){if(!this._map)re
turn r();const
n=this._sourcePosition.line,i=this._sourcePosition.column,s=this._sourcePosition.filename,a=this._sourcePosition.id
entifierName;this.source(e,t),r(),this._sourcePosition.force&&this._sourcePosition.line===n&&this._sourcePosition
.column===i&&this._sourcePosition.filename===s||this._disallowedPop&&this._disallowedPop.line===n&&this._
disallowedPop.column===i&&this._disallowedPop.filename===s||(this._sourcePosition.line=n,this._sourcePosition.
column=i,this._sourcePosition.filename=s,this._sourcePosition.identifierName=a,this._sourcePosition.force=!1,this.
_disallowedPop=null)}_disallowPop(e,t){e&&!t||this._disallowedPop=this._normalizePosition(e,t)}_normalizePos
ition(e,t,r,n){const i=t?t[e]:null;void
0===r&&(r={identifierName:null,line:null,column:null,filename:null,force:!1});const
s=r.line,a=r.column,o=r.filename;return r.identifierName="start"===e&&(null===t?void
0:t.identifierName)||null,r.line=null===i?void 0:i.line,r.column=null===i?void 0:i.column,r.filename=null===t?void
0:t.filename,(n||r.line!==(s||r.column!==(a||r.filename!==(o)&&(r.force=n),r)}getCurrentColumn(){const
e=this._queue.reduce((e,t)=>t[0]+e,""),t=e.lastIndexOf("\n");return-1===t?this._position.column+e.length:e.length-

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1-t}getCurrentLine(){const e=this._queue.reduce((e,t)=>t[0]+e,"");let t=0;for(let
r=0;r<e.length;r++)"n"===e[r]&&t++;return this._position.line+t}}},function(e,t,r){
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.list=t.nodes=void 0;var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e,t={}){return
n.isMemberExpression(e)||n.isOptionalMemberExpression(e)?(s(e.object,t),e.computed&&s(e.property,t)):n.isBinary
y(e)||n.isAssignmentExpression(e)?(s(e.left,t),s(e.right,t)):n.isCallExpression(e)||n.isOptionalCallExpression(e)?(t.ha
sCall=!0,s(e.callee,t)):n.isFunction(e)?t.hasFunction=!0:n.isIdentifier(e)&&(t.hasHelper=t.hasHelper||a(e.callee)),t)f
unction a(e){return
n.isMemberExpression(e)?a(e.object)||a(e.property):n.isIdentifier(e)?"require"===e.name||"_"===e.name[0]:n.isCall
Expression(e)?a(e.callee):(!n.isBinary(e)&&!n.isAssignmentExpression(e))&&(n.isIdentifier(e.left)&&a(e.left)||a(e
.right))}function o(e){return
n.isLiteral(e)||n.isObjectExpression(e)||n.isArrayExpression(e)||n.isIdentifier(e)||n.isMemberExpression(e)}const
l={AssignmentExpression(e){const
t=s(e.right);if(t.hasCall&&t.hasHelper||t.hasFunction)return{before:t.hasFunction,after:!0}},SwitchCase:(e,t)=>({be
fore:e.consequent.length|t.cases[0]===e,after:!e.consequent.length&&t.cases[t.cases.length-
1]===e}),LogicalExpression(e){if(n.isFunction(e.left)||n.isFunction(e.right))return{after:!0}},Literal(e){if("use
strict"===e.value)return{after:!0}},CallExpression(e){if(n.isFunction(e.callee)||a(e))return{before:!0,after:!0}},Opti
onalCallExpression(e){if(n.isFunction(e.callee))return{before:!0,after:!0}},VariableDeclaration(e){for(let
t=0;t<e.declarations.length;t++){const r=e.declarations[t];let n=a(r.id)&&!o(r.init);if(!n){const
e=s(r.init);n=a(r.init)&&e.hasCall||e.hasFunction}if(n)return{before:!0,after:!0}},IfStatement(e){if(n.isBlockState
ment(e.consequent))return{before:!0,after:!0}};t.nodes=l,l.ObjectProperty=l.ObjectTypeProperty=l.ObjectMethod
=function(e,t){if(t.properties[0]===e)return{before:!0}},l.ObjectTypeCallProperty=function(e,t){var
r;if(t.callProperties[0]===e&&(null==(r=t.properties)?void
0:r.length))return{before:!0}},l.ObjectTypeIndexer=function(e,t){var
r,n;if(t.indexers[0]===e&&(null==(r=t.properties)?void 0:r.length)&&(null==(n=t.callProperties)?void
0:n.length))return{before:!0}},l.ObjectTypeInternalSlot=function(e,t){var
r,n,i;if(t.internalSlots[0]===e&&(null==(r=t.properties)?void 0:r.length)&&(null==(n=t.callProperties)?void
0:n.length)&&(null==(i=t.indexers)?void 0:i.length))return{before:!0}};const
c={VariableDeclaration:e=>e.declarations.map(e=>e.init),ArrayExpression:e=>e.elements,ObjectExpression:e=>e.p
roperties};t.list=c,[["Function",!0],["Class",!0],["Loop",!0],["LabeledStatement",!0],["SwitchStatement",!0],["TrySt
atement",!0]].forEach((function([e,t]){ "boolean"===typeof
t&&(t={after:t,before:t}),(e.concat(n.FLIPPED_ALIAS_KEYS[e])||[]).forEach((function(e){l[e]=function(){return
t}}))})),function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.NullableTypeAnnotation=function(e,t){return
n.isArrayTypeAnnotation(t),t.FunctionTypeAnnotation=function(e,t,r){return
n.isUnionTypeAnnotation(t)||n.isIntersectionTypeAnnotation(t)||n.isArrayTypeAnnotation(t)||n.isTypeAnnotation(t)
&&n.isArrowFunctionExpression(r[r.length-3])},t.UpdateExpression=function(e,t){return
o(e,t)||a(e,t)},t.ObjectExpression=function(e,t,r){return
p(r,{considerArrow:!0})},t.DoExpression=function(e,t,r){return
p(r)},t.Binary=function(e,t){if("**"===e.operator&&n.isBinaryExpression(t,{operator:"**"}))return
t.left===e;if(a(e,t))return!0;if(o(e,t)||n.isUnaryLike(t)||n.isAwaitExpression(t))return!0;if(n.isBinary(t)){const
r=t.operator,i=s[r],a=e.operator,o=s[a];if(i===o&&t.right===e&&!n.isLogicalExpression(t)||i>o)return!0}},t.Interse

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tionTypeAnnotation=t.UnionTypeAnnotation=function(e,t){return
n.isArrayTypeAnnotation(t)||n.isNullableTypeAnnotation(t)||n.isIntersectionTypeAnnotation(t)||n.isUnionTypeAnno
tation(t)},t.TSAsExpression=function(){return!0},t.TSTypeAssertion=function(){return!0},t.TSIntersectionType=t.
TSUnionType=function(e,t){return
n.isTSArrayType(t)||n.isTSOptionalType(t)||n.isTSIntersectionType(t)||n.isTSUnionType(t)||n.isTSRestType(t)},t.TS
InferType=function(e,t){return
n.isTSArrayType(t)||n.isTSOptionalType(t)},t.BinaryExpression=function(e,t){return"in"===e.operator&&(n.isVari
ableDeclarator(t)||n.isFor(t)),t.SequenceExpression=function(e,t){if(n.isForStatement(t)||n.isThrowStatement(t)||n.is
ReturnStatement(t)||n.isIfStatement(t)&&!.test===e||n.isWhileStatement(t)&&!.test===e||n.isForInStatement(t)&&!.
right===e||n.isSwitchStatement(t)&&!.discriminant===e||n.isExpressionStatement(t)&&!.expression===e)return!1;r
eturn!0},t.AwaitExpression=t.YieldExpression=function(e,t){return
n.isBinary(t)||n.isUnaryLike(t)||o(e,t)||n.isAwaitExpression(t)&&n.isYieldExpression(e)||n.isConditionalExpression(t
)&&e===t.test||a(e,t)},t.ClassExpression=function(e,t,r){return
p(r,{considerDefaultExports:!0}),t.UnaryLike=!1,t.FunctionExpression=function(e,t,r){return
p(r,{considerDefaultExports:!0}),t.ArrowFunctionExpression=function(e,t){return
n.isExportDeclaration(t)||c(e,t)},t.ConditionalExpression=c,t.OptionalCallExpression=t.OptionalMemberExpression
=function(e,t){return
n.isCallExpression(t,{callee:e})||n.isMemberExpression(t,{object:e})},t.AssignmentExpression=function(e,t,r){retur
n!!n.isObjectPattern(e.left)||c(e,t)},t.LogicalExpression=function(e,t){switch(e.operator){case"||":return!!n.isLogical
Expression(t)&&"??"===t.operator||"&&"===t.operator;case"&":"return
n.isLogicalExpression(t,{operator:"??"});case"??":return n.isLogicalExpression(t)&&"??"===t.operator}};var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}const
s={"||":0,"??":0,"&&":1,"|":2,"^":3,"&":4,"===":5,"!==":5,"!=="":5,"<":6,">":6,"<=":6,">=":6,in:6,instanceof:6
,">>":7,"<<":7,">>>":7,"+":8,"-
":8,"*":9,"/":9,"%":9,"***":10},a=(e,t)=>(n.isClassDeclaration(t)||n.isClassExpression(t)&&t.superClass===e,o=(e,t
)=>(n.isMemberExpression(t)||n.isOptionalMemberExpression(t)&&t.object===e||n.isCallExpression(t)||n.isOptio
nalCallExpression(t)||n.isNewExpression(t)&&t.callee===e||n.isTaggedTemplateExpression(t)&&t.tag===e||n.isTS
NonNullExpression(t);function l(e,t){return o(e,t)||n.isBinaryExpression(t,{operator:"**",left:e})||a(e,t)}function
c(e,t){return!(n.isUnaryLike(t)||n.isBinary(t)||n.isConditionalExpression(t,{test:e})||n.isAwaitExpression(t)||n.isTST
ypeAssertion(t)||n.isTSAsExpression(t))||l(e,t)}function
p(e,{considerArrow:t=!1,considerDefaultExports:r=!1})={let i=e.length-1,s=e[i];i--;let
a=e[i];for(;i>=0;){if(n.isExpressionStatement(a,{expression:s})||r&&n.isExportDefaultDeclaration(a,{declaration:s}
)||t&&n.isArrowFunctionExpression(a,{body:s}))return!0;if(!(o(s,a)&&!n.isNewExpression(a)||n.isSequenceExpres
sion(a)&&a.expressions[0]===s||n.isConditional(a,{test:s})||n.isBinary(a,{left:s})||n.isAssignmentExpression(a,{left
:s})))return!1;s=a,i--,a=e[i]}return!1}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0});var
n=r(328);Object.keys(n).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===n[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return n[e]}})})));var
i=r(329);Object.keys(i).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===i[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return i[e]}})})));var
s=r(330);Object.keys(s).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===s[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return s[e]}})})));var

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a=r(331);Object.keys(a).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===a[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return a[e]}})}));var
o=r(332);Object.keys(o).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===o[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return o[e]}})}));var
l=r(123);Object.keys(l).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===l[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return l[e]}})}));var
c=r(124);Object.keys(c).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===c[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return c[e]}})}));var
p=r(334);Object.keys(p).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===p[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return p[e]}})}));var
u=r(335);Object.keys(u).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===u[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return u[e]}})}));var
d=r(336);Object.keys(d).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===d[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return d[e]}})}));var
h=r(337);Object.keys(h).forEach((function(e){ "default"!==e&&"__esModule"!==e&&(e in
t&&t[e]===h[e]||Object.defineProperty(t,e,{enumerable:!0,get:function(){return h[e]}})})),function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.TaggedTemplateExpression=function(e){this.print(e.tag,
e),this.print(e.typeParameters,e),this.print(e.quasi,e)},t.TemplateElement=function(e,t){const
r=t.quasis[0]===e,n=t.quasis[t.quasis.length-
1]===e,i=(r?"":"")+e.value.raw+(n?"":"$");this.token(i)},t.TemplateLiteral=function(e){const t=e.quasis;for(let
r=0;r<t.length;r++)this.print(t[r],e),r+1<t.length&&this.print(e.expressions[r],e)},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.UnaryExpression=function(e){ "void"===e.operator||"del
ete"===e.operator||"typeof"===e.operator||"throw"===e.operator?(this.word(e.operator),this.space()):this.token(e.op
erator);this.print(e.argument,e)},t.DoExpression=function(e){this.word("do"),this.space(),this.print(e.body,e)},t.Pare
nthesizedExpression=function(e){this.token("("),this.print(e.expression,e),this.token(")")},t.UpdateExpression=funct
ion(e){e.prefix?(this.token(e.operator),this.print(e.argument,e)):(this.startTerminatorless(!0),this.print(e.argument,e),
this.endTerminatorless(),this.token(e.operator))},t.ConditionalExpression=function(e){this.print(e.test,e),this.space()
,this.token("?"),this.space(),this.print(e.consequent,e),this.space(),this.token(":"),this.space(),this.print(e.alternate,e)
},t.NewExpression=function(e,t){if(this.word("new"),this.space(),this.print(e.callee,e),this.format.minified&&0===e.
arguments.length&&!e.optional&&!n.isCallExpression(t,{callee:e})&&!n.isMemberExpression(t)&&!n.isNewExpr
ession(t))return;this.print(e.typeArguments,e),this.print(e.typeParameters,e),e.optional&&this.token("?");this.token(
""),this.printList(e.arguments,e),this.token(")"),t.SequenceExpression=function(e){this.printList(e.expressions,e)
},t.ThisExpression=function(){this.word("this")},t.Super=function(){this.word("super")},t.Decorator=function(e){this
.token "@" ,this.print(e.expression,e),this.newline(),t.OptionalMemberExpression=function(e){if(this.print(e.objec
t,e),!e.computed&&n.isMemberExpression(e.property))throw new TypeError("Got a MemberExpression for
MemberExpression property");let t=e.computed;n.isLiteral(e.property)&&"number"===typeof
e.property.value&&(t=!0);e.optional&&this.token("?");t?(this.token("[",this.print(e.property,e),this.token("]")):(e.o
ptional||this.token(".",this.print(e.property,e))),t.OptionalCallExpression=function(e){this.print(e.callee,e),this.print
(e.typeArguments,e),this.print(e.typeParameters,e),e.optional&&this.token("?");this.token("("),this.printList(e,argu
ments,e),this.token(")"),t.CallExpression=function(e){this.print(e.callee,e),this.print(e.typeArguments,e),this.print(
e.typeParameters,e),this.token("("),this.printList(e.arguments,e),this.token(")"),t.Import=function(){this.word("imp
ort")},t.EmptyStatement=function(){this.semicolon(!0)},t.ExpressionStatement=function(e){this.print(e.expression,
e),this.semicolon(),t.AssignmentPattern=function(e){this.print(e.left,e),e.left.optional&&this.token("?");this.print(e
.left.typeAnnotation,e),this.space(),this.token("="),this.space(),this.print(e.right,e)},t.LogicalExpression=t.BinaryEx
pression=t.AssignmentExpression=function(e,t){const
r=this.inForStatementInitCounter&&"in"===e.operator&&!i.needsParens(e,t);r&&this.token("(");this.print(e.left,e),
this.space(),"in"===e.operator||"instanceof"===e.operator?this.word(e.operator):this.token(e.operator);this.space(),t
his.print(e.right,e),r&&this.token(")"),t.BindExpression=function(e){this.print(e.object,e),this.token(":"),this.print(

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e.callee,e),t.MemberExpression=function(e){if(this.print(e.object,e),!e.computed&&n.isMemberExpression(e.property))throw new TypeError("Got a MemberExpression for MemberExpression property");let
t=e.computed;n.isLiteral(e.property)&&"number"===typeof
e.property.value&&(t!=0);t?(this.token("[",this.print(e.property,e),this.token("]")):(this.token("."),this.print(e.property,e)),t.MetaProperty=function(e){this.print(e.meta,e),this.token("."),this.print(e.property,e)},t.PrivateName=function(e){this.token("#"),this.print(e.id,e)},t.V8IntrinsicIdentifier=function(e){this.token("%"),this.word(e.name)},t.AwaitExpression=t.YieldExpression=void 0;var n=a(r(0)),i=a(r(122));function s(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return s=function(){return e},e}function
a(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var
t=s();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i
in e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}function o(e){return
function(t){if(this.word(e),t.delegate&&this.token("*"),t.argument){this.space();const
e=this.startTerminatorless();this.print(t.argument,t),this.endTerminatorless(e)}}}const
l=o("yield");t.YieldExpression=l;const c=o("await");t.AwaitExpression=c},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.WithStatement=function(e){this.word("with"),this.space(
),this.token("("),this.print(e.object,e),this.token(")"),this.printBlock(e)},t.IfStatement=function(e){this.word("if"),thi
s.space(),this.token("("),this.print(e.test,e),this.token(")"),this.space();const t=e.alternate&&n.isIfStatement(function
e(t){return
n.isStatement(t.body)?e(t.body):t}(e.consequent));t&&(this.token("{",this.newline(),this.indent());this.printAndInd
entOnComments(e.consequent,e),t&&(this.dedent(),this.newline(),this.token("}"));e.alternate&&(this.endsWith("
")&&this.space(),this.word("else"),this.space(),this.printAndIndentOnComments(e.alternate,e)),t.ForStatement=fun
ction(e){this.word("for"),this.space(),this.token("("),this.inForStatementInitCounter++,this.print(e.init,e),this.inForS
tatementInitCounter--
,this.token(";"),e.test&&(this.space(),this.print(e.test,e));this.token(";"),e.update&&(this.space(),this.print(e.update,e
));this.token(")"),this.printBlock(e)},t.WhileStatement=function(e){this.word("while"),this.space(),this.token("("),thi
s.print(e.test,e),this.token(")"),this.printBlock(e)},t.DoWhileStatement=function(e){this.word("do"),this.space(),this.
print(e.body,e),this.space(),this.word("while"),this.space(),this.token("("),this.print(e.test,e),this.token(")"),this.semi
colon(),t.LabeledStatement=function(e){this.print(e.label,e),this.token(":"),this.space(),this.print(e.body,e)},t.TrySt
atement=function(e){this.word("try"),this.space(),this.print(e.block,e),this.space(),e.handlers?this.print(e.handlers[0
],e):this.print(e.handler,e);e.finalizer&&(this.space(),this.word("finally"),this.space(),this.print(e.finalizer,e)),t.Catch
Clause=function(e){this.word("catch"),this.space(),e.param&&(this.token("("),this.print(e.param,e),this.print(e.para
m.typeAnnotation,e),this.token(")"),this.space());this.print(e.body,e)},t.SwitchStatement=function(e){this.word("swi
tch"),this.space(),this.token("("),this.print(e.discriminant,e),this.token(")"),this.space(),this.token("{"),this.printSequ
ence(e.cases,e,{indent:!0,addNewlines(t,r){if(!t&&e.cases[e.cases.length-1]===r)return-
1}},this.token("}")),t.SwitchCase=function(e){e.test?(this.word("case"),this.space(),this.print(e.test,e),this.token(":
")):(this.word("default"),this.token(":"));e.consequent.length&&(this.newline(),this.printSequence(e.consequent,e,{i
ndent:!0})),t.DebuggerStatement=function(){this.word("debugger"),this.semicolon(),t.VariableDeclaration=functi
on(e,t){e.declare&&(this.word("declare"),this.space());this.word(e.kind),this.space();let
r,i=!1;if(!n.isFor(t))for(const t of
e.declarations)t.init&&(i=!0);i&&(r="const"===e.kind?f:h);if(this.printList(e.declarations,e,{separator:r}),n.isFor(t)
&&(t.left===e||t.init===e))return this.semicolon(),t.VariableDeclarator=function(e){this.print(e.id,e),e.definite&&t
his.token("!");this.print(e.id.typeAnnotation,e),e.init&&(this.space(),this.token("="),this.space(),this.print(e.init,e)),
t.ThrowStatement=t.BreakStatement=t.ReturnStatement=t.ContinueStatement=t.ForOfStatement=t.ForInStatement=
void 0;var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in

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e)if(Object.prototype.hasOwnProperty.call(e,s)){ var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}const s=function(e){return
function(t){this.word("for"),this.space(),"of"===e&&t.await&&(this.word("await"),this.space()),this.token(""),this
.print(t.left,t),this.space(),this.word(e),this.space(),this.print(t.right,t),this.token(""),this.printBlock(t)},a=s("in");t.F
orInStatement=a;const o=s("of");function l(e,t="label"){return function(r){this.word(e);const
n=r[t];if(n){ this.space();const
e="label"===t,i=this.startTerminatorless(e);this.print(n,r),this.endTerminatorless(i)}this.semicolon()}}t.ForOfStatem
ent=o;const c=l("continue");t.ContinueStatement=c;const p=l("return","argument");t.ReturnStatement=p;const
u=l("break");t.BreakStatement=u;const d=l("throw","argument");function
h(){if(this.token(","),this.newline(),this.endsWith("\n"))for(let e=0;e<4;e++)this.space(!0)}function
f(){if(this.token(","),this.newline(),this.endsWith("\n"))for(let
e=0;e<6;e++)this.space(!0)}t.ThrowStatement=d},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.ClassExpression=t.ClassDeclaration=function(e,t){ this.f
ormat.decoratorsBeforeExport&&(n.isExportDefaultDeclaration(t)||n.isExportNamedDeclaration(t))||this.printJoin(e
.decorators,e);e.declare&&(this.word("declare"),this.space());e.abstract&&(this.word("abstract"),this.space());this.w
ord("class"),e.id&&(this.space(),this.print(e.id,e));this.print(e.typeParameters,e),e.superClass&&(this.space(),this.w
ord("extends"),this.space(),this.print(e.superClass,e),this.print(e.superTypeParameters,e));e.implements&&(this.spa
ce(),this.word("implements"),this.space(),this.printList(e.implements,e));this.space(),this.print(e.body,e)},t.ClassBo
dy=function(e){ this.token("{"),this.printInnerComments(e),0===e.body.length?this.token("}):(this.newline(),this.i
ndent(),this.printSequence(e.body,e),this.dedent(),this.endsWith("\n"))||this.newline(),this.rightBrace()}},t.ClassPrope
rty=function(e){ this.printJoin(e.decorators,e),this.tsPrintClassMemberModifiers(e,!0),e.computed?(this.token("["),th
is.print(e.key,e),this.token("]")):(this._variance(e),this.print(e.key,e));e.optional&&this.token("?");e.definite&&this.t
oken("!");this.print(e.typeAnnotation,e),e.value&&(this.space(),this.token("="),this.space(),this.print(e.value,e));this
.semicolon()},t.ClassPrivateProperty=function(e){ this.printJoin(e.decorators,e),e.static&&(this.word("static"),this.s
pace());this.print(e.key,e),this.print(e.typeAnnotation,e),e.value&&(this.space(),this.token("="),this.space(),this.print
(e.value,e));this.semicolon()},t.ClassMethod=function(e){ this._classMethodHead(e),this.space(),this.print(e.body,e)
},t.ClassPrivateMethod=function(e){ this._classMethodHead(e),this.space(),this.print(e.body,e)},t._classMethodHea
d=function(e){ this.printJoin(e.decorators,e),this.tsPrintClassMemberModifiers(e,!1),this._methodHead(e)},t.StaticB
lock=function(e){ this.word("static"),this.space(),this.token("{"),0===e.body.length?this.token("}):(this.newline(),t
his.printSequence(e.body,e,{ indent:!0}),this.rightBrace());var n=function(e){ if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return { default:e};var t=i();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){ var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t._params=function(e){ this.print(e.typeParameters,e),this.t
oken(""),this._parameters(e.params,e),this.token(""),this.print(e.returnType,e)},t._parameters=function(e,t){ for(let
r=0;r<e.length;r++)this._param(e[r],t),r<e.length-
1&&(this.token(", "),this.space())},t._param=function(e,t){ this.printJoin(e.decorators,e),this.print(e,t),e.optional&&t
his.token("?");this.print(e.typeAnnotation,e)},t._methodHead=function(e){ const
t=e.kind,r=e.key;"get"!==t&&"set"!==t||(this.word(t),this.space());e.async&&(this._catchUp("start",r.loc),this.word(
"async"),this.space());"method"!==t&&"init"!==t||e.generator&&this.token("*");e.computed?(this.token("["),this.pri
nt(r,e),this.token("]")):this.print(r,e);e.optional&&this.token("?");this._params(e)},t._predicate=function(e){ e.predic
ate&&(e.returnType||this.token(":"),this.space(),this.print(e.predicate,e)),t._functionHead=function(e){ e.async&&(
this.word("async"),this.space());this.word("function"),e.generator&&this.token("*");this.space(),e.id&&this.print(e.i

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d,e);this._params(e),this._predicate(e)},t.FunctionDeclaration=t.FunctionExpression=function(e){this._functionHead(e),this.space(),this.print(e.body,e)},t.ArrowFunctionExpression=function(e){e.async&&(this.word("async"),this.space());const t=e.params[0];1===e.params.length&&n.isIdentifier(t)&&!function(e,t){return e.typeParameters||e.returnType||t.typeAnnotation||t.optional||t.trailingComments}(e,t)?(this.format.retainLines||e.async)&&e.loc&&e.body.loc&&e.loc.start.line<e.body.loc.start.line?(this.token("("),t.loc&&t.loc.start.line>e.loc.start.line?(this.indent(),this.print(t,e),this.dedent(),this._catchUp("start",e.body.loc)):this.print(t,e),this.token(")")):this.print(t,e):this._params(e);this._predicate(e),this.space(),this.token("=>"),this.space(),this.print(e.body,e)};var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in e)if(Object.prototype.hasOwnProperty.call(e,s)){var a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return i=function(){return e},e},function(e,t,r){ "use strict";const n={},i=n.hasOwnProperty,s=(e,t)=>{for(const r in e)i.call(e,r)&&t(r,e[r])},a=n.toString,o=Array.isArray,l=Buffer.isBuffer,c="{":"\\",""":"\\","\\":"\\\\","\\b":"\\b","\\f":"\\f","\\n":"\\n","\\r":"\\r","\\t":"\\t"},p=/[\\b\\f\\n\\r\\t\\u=/[0-9]/,d=/[!#-&(-[\\]_a-z~]/,h=(e,t)=>{const r(0)=>{S=g,++t.indentLevel,g=t.indent.repeat(t.indentLevel)},n={escapeEverything:!1,minimal:!1,isScriptContext:!1,quotes:"single",wrap:!1,es6:!1,json:!1,compact:!0,lowercaseHex:!1,numbers:"decimal",indent:"t",indentLevel:0,__inline1__:!1,__inline2__:!1},i=t&&t.json;var f,m;i&&(n.quotes="double",n.wrap=!0),f=n,"single"!=(t=(m=t)?(s(m,(e,t)=>{f[e]=t}),f):f).quotes&&"double"!=t.quotes&&"backtick"!=t.quotes&&(t.quotes="single");const y="double"==t.quotes?"":'backtick'==t.quotes?"":'";T=t.compact,b=t.lowercaseHex;let g=t.indent.repeat(t.indentLevel),S="";const x=t.__inline1__,E=t.__inline2__,P=T?"":'\n';let v,A=!0;const w="binary"==t.numbers,O="octal"==t.numbers,I="decimal"==t.numbers,C="hexadecimal"==t.numbers;if(i&&e&&"function"==typeof e.toJSON&&(e=e.toJSON()),!(e=>"string"==typeof e||[object String]==a.call(e)(e)){if((e=>"[object Map]"==a.call(e)(e))return 0==e.size?"new Map()):(T||(t.__inline1__=!0,t.__inline2__=!1),"new Map("+h(Array.from(e),t)+")");if((e=>"[object Set]"==a.call(e)(e))return 0==e.size?"new Set()":"new Set("+h(Array.from(e),t)+")");if(l(e))return 0==e.length?"Buffer.from([])":"Buffer.from("+h(Array.from(e),t)+")";if(o(e))return v=[],t.wrap=!0,x&&(t.__inline1__=!1,t.__inline2__=!0),E||r(),(e,t)=>{const r=e.length;let n=-1;for(;++n<r;t(e[n]))(e,e=>{A=!1,E&&(t.__inline2__=!1),v.push((T||E?"":g)+h(e,t)),A?"[]":E?"["+v.join(",")+"]":["+P+v.join(",")+P]+P+(T?"":S)+""]};if(!(e=>"number"==typeof e||[object Number]==a.call(e)(e))return(e=>"[object Object]"==a.call(e)(e)?(v=[],t.wrap=!0,r(),s(e,(e,r)=>{A=!1,v.push((T?"":g)+h(e,t)+":"+T?"":g)+h(r,t)),A?"{}":"["+P+v.join(",")+P]+P+(T?"":S)+""]):i?JSON.stringify(e)||"null":String(e);if(i)return JSON.stringify(e);if(D)return String(e);if(C){let t=e.toString(16);return b|(t=t.toUpperCase(),"0x"+t)if(w)return"0b"+e.toString(2);if(O)return"0o"+e.toString(8)}const N=e;let k=-1;const D=N.length;for(v="";++k<D;){const e=N.charAt(k);if(t.es6){const e=N.charCodeAtAt(k);if(e>=55296&&e<=56319&&D>k+1){const t=N.charCodeAtAt(k+1);if(t>=56320&&t<=57343){let r=(1024*(e-55296)+t-56320+65536).toString(16);b|(r=r.toUpperCase(),v+="\\u{"+r+"}",++k;continue}}if(!t.escapeEverything){if(d.test(e)){v+=e;continue}if(" "==e){v+=y==e?"\\":'";e;continue}if(" "==e){v+=y==e?"\\":'";e;continue}if(" "==e){v+=y==e?"\\":'";e;continue}}if("0"==e&&!i&&!u.test(N.charAt(k+1))){v+="\\0";continue}if(p.test(e)){v+=c[e];continue}const r=e.charCodeAt(0);if(t.minimal&&8232!=r&&8233!=r){v+=e;continue}let n=r.toString(16);b|(n=n.toUpperCase());const s=n.length>2||i,a="\\ "+(s?"u":"x")+("0000"+n).slice(s?-4:-2);v+=a}return t.wrap&&(v=y+v+y)," "==y&&(v=v.replace(/\\$/g,"\\${"}),t.isScriptContext?v.replace(/</(script|style)/gi,"<\\$1").replace(/<!--/g,i?"\\u003C!--":"\\x3C!--");v};h.version="2.5.2",e.exports=h},function(e,t,r){ "use

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strict";Object.defineProperty(t,"__esModule",{value:!0}),t.AnyTypeAnnotation=function(){this.word("any")},t.ArrayTypeAnnotation=function(e){this.print(e.elementType,e),this.token("[",this.token("]"))},t.BooleanTypeAnnotation=function(){this.word("boolean")},t.BooleanLiteralTypeAnnotation=function(e){this.word(e.value?"true":"false")},t.NullLiteralTypeAnnotation=function(){this.word("null")},t.DeclareClass=function(e,t){n.isDeclareExportDeclaration(t)||this.word("declare"),this.space();this.word("class"),this.space(),this._interfaceish(e)},t.DeclareFunction=function(e,t){n.isDeclareExportDeclaration(t)||this.word("declare"),this.space();this.word("function"),this.space(),this.print(e.id,e),this.print(e.id.typeAnnotation.typeAnnotation,e),e.predicate&&(this.space(),this.print(e.predicate,e));this.semicolon(),t.InferredPredicate=function(){this.token("%"),this.word("checks")},t.DeclaredPredicate=function(e){this.token("%"),this.word("checks"),this.token("("),this.print(e.value,e),this.token(")")},t.DeclareInterface=function(e){this.word("declare"),this.space(),this.InterfaceDeclaration(e)},t.DeclareModule=function(e){this.word("declare"),this.space(),this.word("module"),this.space(),this.print(e.id,e),this.space(),this.print(e.body,e)},t.DeclareModuleExports=function(e){this.word("declare"),this.space(),this.word("module"),this.token("."),this.word("exports"),this.print(e.typeAnnotation,e)},t.DeclareTypeAlias=function(e){this.word("declare"),this.space(),this.TypeAlias(e)},t.DeclareOpaqueType=function(e,t){n.isDeclareExportDeclaration(t)||this.word("declare"),this.space();this.OpaqueType(e)},t.DeclareVariable=function(e,t){n.isDeclareExportDeclaration(t)||this.word("declare"),this.space();this.word("var"),this.space(),this.print(e.id,e),this.print(e.id.typeAnnotation,e),this.semicolon(),t.DeclareExportDeclaration=function(e){this.word("declare"),this.space(),this.word("export"),this.space(),e.default&&(this.word("default"),this.space());p.apply(this,arguments)},t.DeclareExportAllDeclaration=function(){this.word("declare"),this.space(),i.ExportAllDeclaration.apply(this,arguments)},t.EnumDeclaration=function(e){const{id:t,body:r}=e;this.word("enum"),this.space(),this.print(t,e),this.print(r,e)},t.EnumBooleanBody=function(e){const{explicitType:t}=e;o(this,"boolean",t),l(this,e)},t.EnumNumberBody=function(e){const{explicitType:t}=e;o(this,"number",t),l(this,e)},t.EnumStringBody=function(e){const{explicitType:t}=e;o(this,"string",t),l(this,e)},t.EnumSymbolBody=function(e){o(this,"symbol",t),l(this,e)},t.EnumDefaultedMember=function(e){const{id:t}=e;this.print(t,e),this.token(",")},t.EnumBooleanMember=function(e){c(this,e)},t.EnumNumberMember=function(e){c(this,e)},t.EnumStringMember=function(e){c(this,e)},t.ExistsTypeAnnotation=function(){this.token("*")},t.FunctionTypeAnnotation=function(e,t){this.print(e.typeParameters,e),this.token("("),this.printList(e.params,e),e.rest&&(e.params.length&&(this.token(","),this.space()),this.token("..."),this.print(e.rest,e));this.token(")"),"ObjectTypeCallProperty"===t.type||"DeclareFunction"===t.type||"ObjectTypeProperty"===t.type&&t.method?this.token(":):(this.space(),this.token("=>"));this.space(),this.print(e.returnType,e)},t.FunctionTypeParam=function(e){this.print(e.name,e),e.optional&&this.token("?");e.name&&(this.token(":"),this.space());this.print(e.typeAnnotation,e)},t.GenericTypeAnnotation=t.ClassImplements=t.InterfaceExtends=function(e){this.print(e.id,e),this.print(e.typeParameters,e)},t._interfaceish=function(e){this.print(e.id,e),this.print(e.typeParameters,e),e.extends.length&&(this.space(),this.word("extends"),this.space(),this.printList(e.extends,e));e.mixins&&e.mixins.length&&(this.space(),this.word("mixins"),this.space(),this.printList(e.mixins,e));e.implements&&e.implements.length&&(this.space(),this.word("implements"),this.space(),this.printList(e.implements,e));this.space(),this.print(e.body,e)},t._variance=function(e){e.variance&&("plus"===e.variance.kind?this.token("+):"minus"===e.variance.kind&&this.token("-"))},t.InterfaceDeclaration=function(e){this.word("interface"),this.space(),this._interfaceish(e)},t.InterfaceTypeAnnotation=function(e){this.word("interface"),e.extends&&e.extends.length&&(this.space(),this.word("extends"),this.space(),this.printList(e.extends,e));this.space(),this.print(e.body,e)},t.IntersectionTypeAnnotation=function(e){this.printJoin(e.types,e,{separator:u})},t.MixedTypeAnnotation=function(){this.word("mixed")},t.EmptyTypeAnnotation=function(){this.word("empty")},t.NullableTypeAnnotation=function(e){this.token("?"),this.print(e.typeAnnotation,e)},t.NumberTypeAnnotation=function(){this.word("number")},t.StringTypeAnnotation=function(){this.word("string")},t.ThisTypeAnnotation=function(){this.word("this")},t.TupleTypeAnnotation=function(e){this.token("[",this.printList(e.types,e),this.token("]")},t.TypeOfTypeAnnotation=function(e){this.word("typeof"),this.space(),this.print(e.argument,e)},t.TypeAlias=function(e){this.word("type"),this.space(),this.print(e.id,e),this.print(e.typeParameters,e),this.space(),this.token("="),this.space(),this.print(e.right,e),this.semicolon(),t.TypeAnnotation=function(e){this.token(":"),this.space(),e.optional&&this.token("?");this.print(e.typeAnnotation,e)},t.TypeParameterDeclaration=t.TypeParameterInstantiation=function(e){this.token("<"),this.printList(e.params,e,{}),this.token(">")},t.TypeParameter=function

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nction(e){this._variance(e),this.word(e.name),e.bound&&this.print(e.bound,e);e.default&&(this.space(),this.token("
="),this.space(),this.print(e.default,e)),t.OpaqueType=function(e){this.word("opaque"),this.space(),this.word("type
"),this.space(),this.print(e.id,e),this.print(e.typeParameters,e),e.supertype&&(this.token(":"),this.space(),this.print(e.s
upertype,e));e.impltype&&(this.space(),this.token("="),this.space(),this.print(e.impltype,e));this.semicolon(),t.Objec
tTypeAnnotation=function(e){e.exact?this.token("{}"):this.token("{}");const
t=e.properties.concat(e.callProperties||[],e.indexers||[],e.internalSlots||[]);t.length&&(this.space(),this.printJoin(t,e,{a
ddNewLines(e){if(e&&!t[0])return
1},indent:!0,statement:!0,iterator:()=>{(1!==t.length||e.inexact)&&(this.token(", "),this.space())}),this.space());e.ine
xact&&(this.indent(),this.token("..."),t.length&&this.newline(),this.dedent());e.exact?this.token("{}"):this.token("{}"
)},t.ObjectTypeInternalSlot=function(e){e.static&&(this.word("static"),this.space());this.token("[",this.token("[",thi
s.print(e.id,e),this.token("]"),this.token("]"),e.optional&&this.token("?");e.method||(this.token(":"),this.space());this.
print(e.value,e)},t.ObjectTypeCallProperty=function(e){e.static&&(this.word("static"),this.space());this.print(e.valu
e,e)},t.ObjectTypeIndexer=function(e){e.static&&(this.word("static"),this.space());this._variance(e),this.token("[",
e.id&&(this.print(e.id,e),this.token(":"),this.space());this.print(e.key,e),this.token("]"),this.token(":"),this.space(),this
.print(e.value,e)},t.ObjectTypeProperty=function(e){e.proto&&(this.word("proto"),this.space());e.static&&(this.wor
d("static"),this.space());"get"!==e.kind&&"set"!==e.kind||(this.word(e.kind),this.space());this._variance(e),this.print
(e.key,e),e.optional&&this.token("?");e.method||(this.token(":"),this.space());this.print(e.value,e)},t.ObjectTypeSpre
adProperty=function(e){this.token("..."),this.print(e.argument,e)},t.QualifiedTypeIdentifier=function(e){this.print(e.
qualification,e),this.token("."),this.print(e.id,e)},t.SymbolTypeAnnotation=function(){this.word("symbol")},t.Union
TypeAnnotation=function(e){this.printJoin(e.types,e,{separator:d})},t.TypeCastExpression=function(e){this.token("
"),this.print(e.expression,e),this.print(e.typeAnnotation,e),this.token(")");t.Variance=function(e){"plus"===e.kind?
this.token("+"):this.token("-
")},t.VoidTypeAnnotation=function(){this.word("void")},Object.defineProperty(t,"NumberLiteralTypeAnnotation",
{enumerable:!0,get:function(){return
s.NumericLiteral}}),Object.defineProperty(t,"StringLiteralTypeAnnotation",{enumerable:!0,get:function(){return
s.StringLiteral}});var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{default:e};var t=a();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0)),i=r(123),s=r(124);function a(){if("function"!==typeof WeakMap)return null;var e=new
WeakMap;return a=function(){return e},e}function
o(e,t,r){r&&(e.space(),e.word("of"),e.space(),e.word(t),e.space())}function
l(e,t){const{members:r}=t;e.token("{"),e.indent(),e.newline();for(const n of
r)e.print(n,t),e.newline();e.dedent(),e.token(")")}function
c(e,t){const{id:r,init:n}=t;e.print(r,t),e.space(),e.token("="),e.space(),e.print(n,t),e.token(",")}function
p(e){if(e.declaration){const t=e.declaration;this.print(t,e),n.isStatement(t)||this.semicolon()}else
this.token("{"),e.specifiers.length&&(this.space(),this.printList(e.specifiers,e),this.space()),this.token("}"),e.source&
&(this.space(),this.word("from"),this.space(),this.print(e.source,e)),this.semicolon()}function
u(){this.space(),this.token("&"),this.space()}function
d(){this.space(),this.token("|"),this.space()}}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.File=function(e){e.program&&this.print(e.program.inter
preter,e);this.print(e.program,e)},t.Program=function(e){this.printInnerComments(e,!1),this.printSequence(e.directi
ves,e),e.directives&&e.directives.length&&this.newline();this.printSequence(e.body,e)},t.BlockStatement=function(
e){var t;this.token("{"),this.printInnerComments(e);const r=null==(t=e.directives)?void
0:t.length;e.body.length|r?(this.newline(),this.printSequence(e.directives,e,{indent:!0}),r&&this.newline(),this.print
Sequence(e.body,e,{indent:!0}),this.removeTrailingNewline(),this.source("end",e.loc),this.endsWith("\n"))||this.newl
ine(),this.rightBrace():(this.source("end",e.loc),this.token("}"))},t.Noop=function(){},t.Directive=function(e){this.p

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rint(e.value,e),this.semicolon()),t.DirectiveLiteral=function(e){const t=this.getPossibleRaw(e);if(null!=t)return void
this.token(t);const{value:r}=e;if(i.test(r)){if(n.test(r))throw new Error("Malformed AST: it is not possible to print a
directive containing both unescaped single and double quotes.");this.token(`${r}`)}else
this.token(`${r}`)},t.InterpreterDirective=function(e){this.token(`#!${e.value}\n`)},t.Placeholder=function(e){this
.token("% %"),this.print(e.name),this.token("% %"),"Statement"===e.expectedNode&&this.semicolon());const
n=/(?![^\(\)])(?!\|\|)*\/,i=/(?![^\(\)])(?!\|\|)*\/,function(e,t,r){ "use strict";function
n(){this.space()}Object.defineProperty(t,"__esModule",{value:!0}),t.JSXAttribute=function(e){this.print(e.name,e),
e.value&&(this.token("="),this.print(e.value,e))},t.JSXIdentifier=function(e){this.word(e.name)},t.JSXNamespaced
Name=function(e){this.print(e.namespace,e),this.token(":")},this.print(e.name,e)},t.JSXMemberExpression=function
(e){this.print(e.object,e),this.token("."),this.print(e.property,e)},t.JSXSpreadAttribute=function(e){this.token("{"),th
is.token("..."),this.print(e.argument,e),this.token(")"}),t.JSXExpressionContainer=function(e){this.token("{"),this.pr
int(e.expression,e),this.token(")"}),t.JSXSpreadChild=function(e){this.token("{"),this.token("..."),this.print(e.expres
sion,e),this.token(")"}),t.JSXText=function(e){const
t=this.getPossibleRaw(e);null!=t?this.token(t):this.token(e.value)},t.JSXElement=function(e){const
t=e.openingElement;if(this.print(t,e),t.selfClosing)return;this.indent();for(const t of
e.children)this.print(t,e);this.dedent(),this.print(e.closingElement,e)},t.JSXOpeningElement=function(e){this.token("<"),this.print(e.name,e),this.print(e.typeParameters,e),e.attributes.length>0&&(this.space(),this.printJoin(e.attributes
,e,{separator:n}));e.selfClosing?(this.space(),this.token(">")):this.token(">")},t.JSXClosingElement=function(e){th
is.token("<"),this.print(e.name,e),this.token(">")},t.JSXEmptyExpression=function(e){this.printInnerComments(e)
},t.JSXFragment=function(e){this.print(e.openingFragment,e),this.indent();for(const t of
e.children)this.print(t,e);this.dedent(),this.print(e.closingFragment,e)},t.JSXOpeningFragment=function(e){this.token
("<"),this.token(">")},t.JSXClosingFragment=function(e){this.token("<"),this.token(">")},function(e,t,r){ "use
strict";function
n(e,t){!0!==t&&e.token(t)}Object.defineProperty(t,"__esModule",{value:!0}),t.TSTypeAnnotation=function(e){thi
s.token(":"),this.space(),e.optional&&this.token("?");this.print(e.typeAnnotation,e)},t.TSTypeParameterDeclaration
=t.TSTypeParameterInstantiation=function(e){this.token("<"),this.printList(e.params,e,{}),this.token(">")},t.TSTyp
eParameter=function(e){this.word(e.name),e.constraint&&(this.space(),this.word("extends"),this.space(),this.print(e
.constraint,e));e.default&&(this.space(),this.token("="),this.space(),this.print(e.default,e))},t.TSParameterProperty=f
unction(e){e.accessibility&&(this.word(e.accessibility),this.space());e.readonly&&(this.word("readonly"),this.space
());this._param(e.parameter)},t.TSDeclareFunction=function(e){e.declare&&(this.word("declare"),this.space());this.
_functionHead(e),this.token(";")},t.TSDeclareMethod=function(e){this._classMethodHead(e),this.token(";")},t.TSQ
ualifiedName=function(e){this.print(e.left,e),this.token("."),this.print(e.right,e)},t.TSCallSignatureDeclaration=funct
ion(e){this.tsPrintSignatureDeclarationBase(e),this.token(";")},t.TSConstructSignatureDeclaration=function(e){this
.word("new"),this.space(),this.tsPrintSignatureDeclarationBase(e),this.token(";")},t.TSPropertySignature=function(e)
{const{readonly:t,initializer:r}=e;t&&(this.word("readonly"),this.space());this.tsPrintPropertyOrMethodName(e),thi
s.print(e.typeAnnotation,e),r&&(this.space(),this.token("="),this.space(),this.print(r,e));this.token(";")},t.tsPrintProp
ertyOrMethodName=function(e){e.computed&&this.token("[");this.print(e.key,e),e.computed&&this.token("]");e.o
ptional&&this.token("?")},t.TSMethodSignature=function(e){this.tsPrintPropertyOrMethodName(e),this.tsPrintSig
natureDeclarationBase(e),this.token(";")},t.TSIndexSignature=function(e){const{readonly:t}=e;t&&(this.word("rea
donly"),this.space());this.token("["),this._parameters(e.parameters,e),this.token("]"),this.print(e.typeAnnotation,e),th
is.token(";")},t.TSAnyKeyword=function(){this.word("any")},t.TSBigIntKeyword=function(){this.word("bigint")},
t.TSUnknownKeyword=function(){this.word("unknown")},t.TSNumberKeyword=function(){this.word("number")},
t.TSObjectKeyword=function(){this.word("object")},t.TSBooleanKeyword=function(){this.word("boolean")},t.TS
StringKeyword=function(){this.word("string")},t.TSSymbolKeyword=function(){this.word("symbol")},t.TSVoidKe
yword=function(){this.word("void")},t.TSUndefinedKeyword=function(){this.word("undefined")},t.TSNullKeywor
d=function(){this.word("null")},t.TSNeverKeyword=function(){this.word("never")},t.TSIntrinsicKeyword=function
(){this.word("intrinsic")},t.TSThisType=function(){this.word("this")},t.TSFunctionType=function(e){this.tsPrintFu
nctionOrConstructorType(e)},t.TSConstructorType=function(e){this.word("new"),this.space(),this.tsPrintFunctionO

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rConstructorType(e)},t.tsPrintFunctionOrConstructorType=function(e){const{typeParameters:t,parameters:r}=e;this
.print(t,e),this.token("("),this._parameters(r,e),this.token(")"),this.space(),this.token("=>"),this.space(),this.print(e.type
ypeAnnotation.typeAnnotation,e)},t.TSTypeReference=function(e){this.print(e.typeName,e),this.print(e.typeParamet
ers,e)},t.TSTypePredicate=function(e){e.asserts&&(this.word("asserts"),this.space());this.print(e.parameterName),e
.typeAnnotation&&(this.space(),this.word("is"),this.space(),this.print(e.typeAnnotation.typeAnnotation))},t.TSType
Query=function(e){this.word("typeof"),this.space(),this.print(e.exprName)},t.TSTypeLiteral=function(e){this.tsPrint
TypeLiteralOrInterfaceBody(e.members,e)},t.tsPrintTypeLiteralOrInterfaceBody=function(e,t){this.tsPrintBraced(e
,t)},t.tsPrintBraced=function(e,t){if(this.token("{"),e.length){this.indent(),this.newline();for(const r of
e)this.print(r,t),this.newline();this.dedent(),this.rightBrace()}else
this.token("{}")},t.TSArrayType=function(e){this.print(e.elementType,e),this.token("[]")},t.TSTupleType=function(
e){this.token("["),this.printList(e.elementTypes,e),this.token("]")},t.TSOptionalType=function(e){this.print(e.typeA
nnotation,e),this.token("?")},t.TSRestType=function(e){this.token("..."),this.print(e.typeAnnotation,e)},t.TSNamed
TupleMember=function(e){this.print(e.label,e),e.optional&&this.token("?");this.token(":"),this.space(),this.print(e.el
ementType,e)},t.TSUnionType=function(e){this.tsPrintUnionOrIntersectionType(e,"&")},t.TSIntersectionType=function(
e){this.tsPrintUnionOrIntersectionType(e,"&")},t.tsPrintUnionOrIntersectionType=function(e,t){this.printJoin(
e.types,e,{separator(){this.space(),this.token(t),this.space()}})},t.TSConditionalType=function(e){this.print(e.check
Type),this.space(),this.word("extends"),this.space(),this.print(e.extendsType),this.space(),this.token("?"),this.space()
,this.print(e.trueType),this.space(),this.token(":"),this.space(),this.print(e.falseType)},t.TSInferType=function(e){thi
s.token("infer"),this.space(),this.print(e.typeParameter)},t.TSParenthesizedType=function(e){this.token("("),this.pri
nt(e.typeAnnotation,e),this.token(")")},t.TSTypeOperator=function(e){this.word(e.operator),this.space(),this.print(e
.typeAnnotation,e)},t.TSIndexedAccessType=function(e){this.print(e.objectType,e),this.token("["),this.print(e.index
Type,e),this.token("]")},t.TSMappedType=function(e){const{nameType:t,optional:r,readonly:i,typeParameters:s}=e;
this.token("{"),this.space(),i&&(n(this,i),this.word("readonly"),this.space());this.token("["),this.word(s.name),this.sp
ace(),this.word("in"),this.space(),this.print(s.constraint,s),t&&(this.space(),this.word("as"),this.space(),this.print(t,e)
);this.token("]"),r&&(n(this,r),this.token("?"));this.token(":"),this.space(),this.print(e.typeAnnotation,e),this.space(),t
his.token("}");},t.TSLiteralType=function(e){this.print(e.literal,e)},t.TSExpressionWithTypeArguments=function(e)
{this.print(e.expression,e),this.print(e.typeParameters,e)},t.TSInterfaceDeclaration=function(e){const{declare:t,id:r,t
ypeParameters:n,extends:i,body:s}=e;t&&(this.word("declare"),this.space());this.word("interface"),this.space(),this
.print(r,e),this.print(n,e),i&&(this.space(),this.word("extends"),this.space(),this.printList(i,e));this.space(),this.print(s
,e)},t.TSInterfaceBody=function(e){this.tsPrintTypeLiteralOrInterfaceBody(e.body,e)},t.TSTypeAliasDeclaration=f
unction(e){const{declare:t,id:r,typeParameters:n,typeAnnotation:i}=e;t&&(this.word("declare"),this.space());this.w
ord("type"),this.space(),this.print(r,e),this.print(n,e),this.space(),this.token("="),this.space(),this.print(i,e),this.token(
";")},t.TSAsExpression=function(e){const{expression:t,typeAnnotation:r}=e;this.print(t,e),this.space(),this.word("as
"),this.space(),this.print(r,e)},t.TSTypeAssertion=function(e){const{typeAnnotation:t,expression:r}=e;this.token("<
"),this.print(t,e),this.token(">"),this.space(),this.print(r,e)},t.TSEnumDeclaration=function(e){const{declare:t,const:r
,id:n,members:i}=e;t&&(this.word("declare"),this.space());r&&(this.word("const"),this.space());this.word("enum"),t
his.space(),this.print(n,e),this.space(),this.tsPrintBraced(i,e)},t.TSEnumMember=function(e){const{id:t,initializer:r}
=e;this.print(t,e),r&&(this.space(),this.token("="),this.space(),this.print(r,e));this.token(",")},t.TSModuleDeclaration
=function(e){const{declare:t,id:r}=e;t&&(this.word("declare"),this.space());e.global||(this.word("Identifier"===r.type
e?"namespace":"module"),this.space());if(this.print(r,e),!e.body)return void this.token(";");let
n=e.body;for("TSModuleDeclaration"===n.type;)this.token("."),this.print(n.id,n),n=n.body;this.space(),this.print(n
,e)},t.TSModuleBlock=function(e){this.tsPrintBraced(e.body,e)},t.TSImportType=function(e){const{argument:t,qua
lifier:r,typeParameters:n}=e;this.word("import"),this.token("("),this.print(t,e),this.token(")"),r&&(this.token("."),this
.print(r,e));n&&this.print(n,e)},t.TSImportEqualsDeclaration=function(e){const{isExport:t,id:r,moduleReference:n}
=e;t&&(this.word("export"),this.space());this.word("import"),this.space(),this.print(r,e),this.space(),this.token("="),t
his.space(),this.print(n,e),this.token(";")},t.TSExternalModuleReference=function(e){this.token("require"),this.print
(e.expression,e),this.token(")"),t.TSNonNullExpression=function(e){this.print(e.expression,e),this.token("!")},t.TS
ExportAssignment=function(e){this.word("export"),this.space(),this.token("="),this.space(),this.print(e.expression,e

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),this.token(";"),t.TSNamespaceExportDeclaration=function(e){this.word("export"),this.space(),this.word("as"),this
.space(),this.word("namespace"),this.space(),this.print(e.id,e)},t.tsPrintSignatureDeclarationBase=function(e){const
{typeParameters:t,parameters:r}=e;this.print(t,e),this.token("("),this._parameters(r,e),this.token(")"),this.print(e.type
Annotation,e)},t.tsPrintClassMemberModifiers=function(e,t){t&&e.declare&&(this.word("declare"),this.space());e.
accessibility&&(this.word(e.accessibility),this.space());e.static&&(this.word("static"),this.space());e.abstract&&(thi
s.word("abstract"),this.space());t&&e.readonly&&(this.word("readonly"),this.space())},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.findParent=function(e){let
t=this;for(;t=t.parentPath);if(e(t))return t;return null},t.find=function(e){let t=this;do{if(e(t))return
t}while(t=t.parentPath);return null},t.getFunctionParent=function(){return
this.findParent(e=>e.isFunction())},t.getStatementParent=function(){let
e=this;do{if(!e.parentPath||Array.isArray(e.container)&&e.isStatement())break;e=e.parentPath}while(e);if(e&&(e.is
Program()||e.isFile()))throw new Error("File/Program node, we can't possibly find a statement parent to this");return
e},t.getEarliestCommonAncestorFrom=function(e){return
this.getDeepestCommonAncestorFrom(e,(function(e,t,r){let n;const s=i.VISITOR_KEYS[e.type];for(const e of
r){const
r=e[t+1];if(!n){n=r;continue}if(r.listKey&&n.listKey===r.listKey&&r.key<n.key){n=r;continue}s.indexOf(n.paren
tKey)>s.indexOf(r.parentKey)&&(n=r)}return
n}})},t.getDeepestCommonAncestorFrom=function(e,t){if(!e.length)return this;if(1===e.length)return e[0];let
r,n,i=1/0;const s=e.map(e=>{const t=[];do{t.unshift(e)}while((e=e.parentPath)&&e!==this);return
t.length<i&&(i=t.length),t}),a=s[0];e:for(let e=0;e<i;e++){const t=a[e];for(const r of s)if(r[e]!==t)break
e;r=e,n=t;if(n)return t?(n,r,s):n;throw new Error("Couldn't find intersection")},t.getAncestry=function(){let
e=this;const t=[];do{t.push(e)}while(e=e.parentPath);return t},t.isAncestor=function(e){return
e.isDescendant(this)},t.isDescendant=function(e){return!!this.findParent(t=>t===e)},t.inType=function(){let
e=this;for(;e;){for(const t of arguments)if(e.node.type===t)return!0;e=e.parentPath}return!1};var
n,i=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=s();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0));(n=r(8))&&n.__esModule;function s(){if("function"!==typeof WeakMap)return null;var
e=new WeakMap;return s=function(){return e},e},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.getTypeAnnotation=function(){if(this.typeAnnotation)re
turn this.typeAnnotation;let
e=this._getTypeAnnotation()||i.anyTypeAnnotation();i.isTypeAnnotation(e)&&(e=e.typeAnnotation);return
this.typeAnnotation=e,t._getTypeAnnotation=function(){var e;const
t=this.node;if(!t){if("init"===this.key&&this.parentPath.isVariableDeclarator()){const
e=this.parentPath.parentPath,t=e.parentPath;return"left"===e.key&&t.isForInStatement()?i.stringTypeAnnotation():
"left"===e.key&&t.isForOfStatement()?i.anyTypeAnnotation():i.voidTypeAnnotation()}return}if(t.typeAnnotation)
return t.typeAnnotation;let r=n[t.type];if(r)return r.call(this,t);if(r=n[this.parentPath.type],null==(e=r)?void
0:e.validParent)return this.parentPath.getTypeAnnotation(),t.isBaseType=function(e,t){return
o(e,this.getTypeAnnotation(),t)},t.couldBeBaseType=function(e){const
t=this.getTypeAnnotation();if(i.isAnyTypeAnnotation(t))return!0;if(i.isUnionTypeAnnotation(t)){for(const r of
t.types)if(i.isAnyTypeAnnotation(r)||o(e,r,!0))return!0;return!1}return
o(e,t,!0)},t.baseTypeStrictlyMatches=function(e){const
t=this.getTypeAnnotation();if(e=e.getTypeAnnotation(),!i.isAnyTypeAnnotation(t)&&i.isFlowBaseAnnotation(t))re
turn e.type===t.type},t.isGenericType=function(e){const t=this.getTypeAnnotation();return
i.isGenericTypeAnnotation(t)&&i.isIdentifier(t.id,{name:e})};var n=a(r(340)),i=a(r(0));function
s(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return s=function(){return e},e}function

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a(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var
t=s();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i
in e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}return
r.default=e,t&&t.set(e,r,r)}function o(e,t,r){if("string"===e)return
i.isStringTypeAnnotation(t);if("number"===e)return i.isNumberTypeAnnotation(t);if("boolean"===e)return
i.isBooleanTypeAnnotation(t);if("any"===e)return i.isAnyTypeAnnotation(t);if("mixed"===e)return
i.isMixedTypeAnnotation(t);if("empty"===e)return i.isEmptyTypeAnnotation(t);if("void"===e)return
i.isVoidTypeAnnotation(t);if(r)return!1;throw new Error("Unknown base type "+e)}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.VariableDeclarator=function(){var
e;if(!this.get("id").isIdentifier())return;const t=this.get("init");let
r=t.getTypeAnnotation(),"AnyTypeAnnotation"===(null==(e=r)?void
0:e.type)&&t.isCallExpression(&&t.get("callee").isIdentifier({name:"Array"})&&!t.scope.hasBinding("Array",!0)
&&(r=l()));return r},t.TypeCastExpression=o,t.NewExpression=function(e){if(this.get("callee").isIdentifier())return
i.genericTypeAnnotation(e.callee)},t.TemplateLiteral=function(){return
i.stringTypeAnnotation()},t.UnaryExpression=function(e){const t=e.operator;if("void"===t)return
i.voidTypeAnnotation();if(i.NUMBER_UNARY_OPERATORS.indexOf(t)>=0)return
i.numberTypeAnnotation();if(i.STRING_UNARY_OPERATORS.indexOf(t)>=0)return
i.stringTypeAnnotation();if(i.BOOLEAN_UNARY_OPERATORS.indexOf(t)>=0)return
i.booleanTypeAnnotation()},t.BinaryExpression=function(e){const
t=e.operator;if(i.NUMBER_BINARY_OPERATORS.indexOf(t)>=0)return
i.numberTypeAnnotation();if(i.BOOLEAN_BINARY_OPERATORS.indexOf(t)>=0)return
i.booleanTypeAnnotation();if("+"===t){const e=this.get("right"),t=this.get("left");return
t.isBaseType("number")&&e.isBaseType("number"?i.numberTypeAnnotation():t.isBaseType("string")||e.isBaseTy
pe("string"?i.stringTypeAnnotation():i.unionTypeAnnotation([i.stringTypeAnnotation(),i.numberTypeAnnotation()
]))},t.LogicalExpression=function(){const
e=[this.get("left").getTypeAnnotation(),this.get("right").getTypeAnnotation()];if(i.isTSTypeAnnotation(e[0])&&i.cr
eateTSUnionType)return i.createTSUnionType(e);if(i.createFlowUnionType)return
i.createFlowUnionType(e);return i.createUnionTypeAnnotation(e)},t.ConditionalExpression=function(){const
e=[this.get("consequent").getTypeAnnotation(),this.get("alternate").getTypeAnnotation()];if(i.isTSTypeAnnotation(
e[0])&&i.createTSUnionType)return i.createTSUnionType(e);if(i.createFlowUnionType)return
i.createFlowUnionType(e);return i.createUnionTypeAnnotation(e)},t.SequenceExpression=function(){return
this.get("expressions").pop().getTypeAnnotation()},t.ParenthesizedExpression=function(){return
this.get("expression").getTypeAnnotation()},t.AssignmentExpression=function(){return
this.get("right").getTypeAnnotation()},t.UpdateExpression=function(e){const t=e.operator;if("++"===t||"--
"===t)return i.numberTypeAnnotation()},t.StringLiteral=function(){return
i.stringTypeAnnotation()},t.NumericLiteral=function(){return
i.numberTypeAnnotation()},t.BooleanLiteral=function(){return
i.booleanTypeAnnotation()},t.NullLiteral=function(){return
i.nullLiteralTypeAnnotation()},t.RegExpLiteral=function(){return
i.genericTypeAnnotation(i.identifier("RegExp"))},t.ObjectExpression=function(){return
i.genericTypeAnnotation(i.identifier("Object"))},t.ArrayExpression=l,t.RestElement=c,t.ClassDeclaration=t.ClassEx
pression=t.FunctionDeclaration=t.ArrowFunctionExpression=t.FunctionExpression=function(){return
i.genericTypeAnnotation(i.identifier("Function"))},t.CallExpression=function(){const{callee:e}=this.node;if(u(e))re
turn i.arrayTypeAnnotation(i.stringTypeAnnotation());if(p(e)||d(e))return
i.arrayTypeAnnotation(i.anyTypeAnnotation());if(h(e))return
i.arrayTypeAnnotation(i.tupleTypeAnnotation([i.stringTypeAnnotation(),i.anyTypeAnnotation()]));return
f(this.get("callee"))},t.TaggedTemplateExpression=function(){return

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f(this.get("tag"))},Object.defineProperty(t,"Identifier",{enumerable:!0,get:function(){return s.default}});var
n,i=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=a();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0)),s=(n=r(341))&&n.__esModule?n:{default:n};function a(){if("function"!==typeof
WeakMap)return null;var e=new WeakMap;return a=function(){return e},e}function o(e){return
e.typeAnnotation}function l(){return i.genericTypeAnnotation(i.identifier("Array"))}function c(){return
l()}o.validParent=!0,c.validParent=!0;const
p=i.buildMatchMemberExpression("Array.from"),u=i.buildMatchMemberExpression("Object.keys"),d=i.buildMatc
hMemberExpression("Object.values"),h=i.buildMatchMemberExpression("Object.entries");function
f(e){if((e=e.resolve()).isFunction()){if(e.is("async"))return
e.is("generator"?i.genericTypeAnnotation(i.identifier("AsyncIterator")):i.genericTypeAnnotation(i.identifier("Prom
ise")));if(e.node.returnType)return e.node.returnType}}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){if(!this.isReferenced())return;const
t=this.scope.getBinding(e.name);if(t)return
t.identifier.typeAnnotation?t.identifier.typeAnnotation:function(e,t,r){const i=[],o=[];let l=s(e,t,o);const c=function
e(t,r,i){const s=function(e,t,r){let
n;for(;n=t.parentPath;){if(n.isIfStatement()||n.isConditionalExpression()){if("test"===t.key)return;return
n}if(n.isFunction()&&n.parentPath.scope.getBinding(r)!==e)return;t=n}}(t,r,i);if(!s)return;const
o=[s.get("test")],l=[];for(let e=0;e<o.length;e++){const
t=o[e];if(t.isLogicalExpression())&&"==="t.node.operator&&(o.push(t.get("left")),o.push(t.get("right")));else
if(t.isBinaryExpression()){const e=a(i,t);e&&l.push(e)}if(l.length)return
n.isTSTypeAnnotation(l[0])&&n.createTSUnionType?{typeAnnotation:n.createTSUnionType(l),ifStatement:s}:n.cr
eateFlowUnionType?{typeAnnotation:n.createFlowUnionType(l),ifStatement:s}:{typeAnnotation:n.createUnionTy
peAnnotation(l),ifStatement:s};return e(s,i)}(e,t,r);if(c){const
t=s(e,c.ifStatement);l=l.filter(e=>t.indexOf(e)<0),i.push(c.typeAnnotation)}if(l.length){l=l.concat(o);for(const e of
l)i.push(e.getTypeAnnotation())}if(!l.length)return;if(n.isTSTypeAnnotation(i[0])&&n.createTSUnionType)return
n.createTSUnionType(i);if(n.createFlowUnionType)return n.createFlowUnionType(i);return
n.createUnionTypeAnnotation(i)}(t,this,e.name);if("undefined"===e.name)return
n.voidTypeAnnotation();if("NaN"===e.name||"Infinity"===e.name)return n.numberTypeAnnotation();e.name};var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e,t,r){const n=e.constantViolations.slice();return
n.unshift(e.path),n.filter(e=>{const n=(e=e.resolve())._guessExecutionStatusRelativeTo(t);return
r&&"unknown"===n&&r.push(e),"before"===n})}function a(e,t){const
r=t.node.operator,i=t.get("right").resolve(),s=t.get("left").resolve();let
a,o,l;if(s.isIdentifier({name:e})?a=i:i.isIdentifier({name:e})&&(a=s),a)return"==="===r?a.getTypeAnnotation():n.B
OOLEAN_NUMBER_BINARY_OPERATORS.indexOf(r)>=0?n.numberTypeAnnotation():void
0;if("==="!==(r&&"==="!==(r)return;if(s.isUnaryExpression({operator:"typeof"})?(o=s,l=i):i.isUnaryExpression({ope
rator:"typeof"})&&(o=i,l=s),!o)return;if(!o.get("argument").isIdentifier({name:e}))return;if(l=l.resolve(),!l.isLiteral(
))return;const c=l.node.value;return"string"===typeof c?n.createTypeAnnotationBasedOnTypeof(c):void
0}},function(e,t,r){ "use

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strict";Object.defineProperty(t,"__esModule",{value:!0}),t.replaceWithMultiple=function(e){this.resync(),e=this._verifyNodeList(e),o.inheritLeadingComments(e[0],this.node),o.inheritTrailingComments(e[e.length-1],this.node),this.node=this.container[this.key]=null;const t=this.insertAfter(e);this.node?this.requeue():this.remove();return t},t.replaceWithSourceString=function(e){this.resync();try{e=`${e}`,e=(0,a.parse)(e)}catch(t){const r=t.loc;throw r&&(t.message+=" - make sure this is an expression.\n"+(0,n.codeFrameColumns)(e,{start:{line:r.line,column:r.column+1}}),t.code="BABEL_REPLACE_SOURCE_ERROR"),t}return e=e.program.body[0].expression,i.default.removeProperties(e),this.replaceWith(e)},t.replaceWith=function(e){if(this.resync(),this.removed)throw new Error("You can't replace this node, we've already removed it");e instanceof s.default&&(e=e.node);if(!e)throw new Error("You passed `path.replaceWith()` a falsy node, use `path.remove()` instead");if(this.node===e)return[this];if(this.isProgram()&&!o.isProgram(e))throw new Error("You can only replace a Program root node with another Program node");if(Array.isArray(e))throw new Error("Don't use `path.replaceWith()` with an array of nodes, use `path.replaceWithMultiple()`");if("string"===typeof e)throw new Error("Don't use `path.replaceWith()` with a source string, use `path.replaceWithSourceString()`");let t="";this.isNodeType("Statement")&&o.isExpression(e)&&(this.canHaveVariableDeclarationOrExpression()||this.canSwapBetweenExpressionAndStatement(e)||this.parentPath.isExportDefaultDeclaration()||(e=o.expressionStatement(e),t="expression"));if(this.isNodeType("Expression")&&o.isStatement(e)&&!this.canHaveVariableDeclarationOrExpression()&&!this.canSwapBetweenExpressionAndStatement(e))return this.replaceExpressionWithStatements([e]);const r=this.node;r&&(o.inheritsComments(e,r),o.removeComments(r));return this._replaceWith(e),this.type=e.type,this.setScope(),this.requeue(),[t?this.get(t):this]},t._replaceWith=function(e){if(!this.container)throw new ReferenceError("Container is falsy");this.inList?o.validate(this.parent,this.key,[e]):o.validate(this.parent,this.key,e);this.debug("Replace with "+(null===e?void 0:e.type)),this.node=this.container[this.key]=e,t.replaceExpressionWithStatements=function(e){this.resync();const t=o.toSequenceExpression(e,this.scope);if(t)return this.replaceWith(t[0].get("expressions"));const r=this.getFunctionParent(),n=null===r?void 0:r.is("async"),s=o.arrowFunctionExpression([],o.blockStatement(e));this.replaceWith(o.callExpression(s,[]),this.traverse(p);const a=this.get("callee").getCompletionRecords();for(const e of a){if(!e.isExpressionStatement())continue;const t=e.findParent(e=>e.isLoop());if(t){let r=t.getData("expressionReplacementReturnUid");if(r)r=o.identifier(r.name);else{const e=this.get("callee");r=e.scope.generateDeclaredUidIdentifier("ret"),e.get("body").pushContainer("body",o.returnStatement(o.cloneNode(r))),t.setData("expressionReplacementReturnUid",r)}e.get("expression").replaceWith(o.assignmentExpression("=",o.cloneNode(r),e.node.expression))}else e.replaceWith(o.returnStatement(e.node.expression))}const l=this.get("callee");l.arrowFunctionToExpression(),n&&i.default.hasType(this.get("callee.body").node,"AwaitExpression",o.FUNCTION_TYPES)&&(l.set("async",!0),this.replaceWith(o.awaitExpression(this.node)));return l.get("body.body")},t.replaceInline=function(e){if(this.resync(),Array.isArray(e)){if(Array.isArray(this.container)){e=this._verifyNodeList(e);const t=this._containerInsertAfter(e);return this.remove(),t}return this.replaceWithMultiple(e)}return this.replaceWith(e)};var n=r(125),i=c(r(17)),s=c(r(8)),a=r(60),o=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=l();if(t&&t.has(e))return t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in e)if(Object.prototype.hasOwnProperty.call(e,i)){var s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t&&t.set(e,r);return r}(r(0));function l(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return l=function(){return e},e}function c(e){return e&&e.__esModule?e:{default:e}}const

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Object.defineProperty(n,"level",{enumerable:!0,get:()=>i.level,set(e){i.level=e}},Object.defineProperty(n,"enabled",
",{enumerable:!0,get:()=>i.enabled,set(e){i.enabled=e}},n.hasGrey=this.hasGrey||"gray"===r||"grey"===r,n.__prot
o__=h,n)function m(){const e=arguments,t=e.length;let r=String(arguments[0]);if(0===t)return"";if(t>1)for(let
n=1;n<t;n++)r+=" "+e[n];if(!this.enabled||this.level<=0||r)return this._empty?"":r;const
n=i.dim.open;o&&this.hasGrey&&(i.dim.open="");for(const e of
this._styles.slice().reverse())r=e.open+r.replace(e.closeRe,e.open)+e.close,r=r.replace(/r?/n/g,`${e.close}$$${e.ope
n}`);return i.dim.open=n,r}function y(e,t){if(!Array.isArray(t))return[].slice.call(arguments,1).join(" ");const
r=[].slice.call(arguments,2),n=[t.raw[0]];for(let e=1;e<t.length;e++)n.push(String(r[e-
1]).replace(/[\{\}\|\/g,"\\$&")),n.push(String(t.raw[e]));return
a(e,n.join(""))}Object.defineProperties(d.prototype,p),e.exports=d(),e.exports.supportsColor=s,e.exports.default=e.e
xports},function(e,t,r){"use strict";var n=/[\\{\}\|\/g;e.exports=function(e){if("string"!==typeof e)throw new
TypeError("Expected a string");return e.replace(n,"\\$&")},function(e,t,r){"use strict";(function(e){const
t=r(348),n=(e,r)=>function(){const n=e.apply(t,arguments);return`[${n+r}]m`,i=(e,r)=>function(){const
n=e.apply(t,arguments);return`[${38+r};5;${n}]m`,s=(e,r)=>function(){const n=e.apply(t,arguments);return`
[${38+r};2;${n[0]};${n[1]};${n[2]}]m`;Object.defineProperty(e,"exports",{enumerable:!0,get:function(){const
e=new
Map,r={modifier:{reset:[0,0],bold:[1,22],dim:[2,22],italic:[3,23],underline:[4,24],inverse:[7,27],hidden:[8,28],strike
through:[9,29]},color:{black:[30,39],red:[31,39],green:[32,39],yellow:[33,39],blue:[34,39],magenta:[35,39],cyan:[3
6,39],white:[37,39],gray:[90,39],redBright:[91,39],greenBright:[92,39],yellowBright:[93,39],blueBright:[94,39],ma
gentaBright:[95,39],cyanBright:[96,39],whiteBright:[97,39]},bgColor:{bgBlack:[40,49],bgRed:[41,49],bgGreen:[42
,49],bgYellow:[43,49],bgBlue:[44,49],bgMagenta:[45,49],bgCyan:[46,49],bgWhite:[47,49],bgBlackBright:[100,49],
bgRedBright:[101,49],bgGreenBright:[102,49],bgYellowBright:[103,49],bgBlueBright:[104,49],bgMagentaBright:[
105,49],bgCyanBright:[106,49],bgWhiteBright:[107,49]}};r.color.grey=r.color.gray;for(const t of
Object.keys(r)){const n=r[t];for(const t of Object.keys(n)){const i=n[t];r[t]={open:`[${i[0]}]m`,close:`
[${i[1]}]m`,n[t]=r[t],e.set(i[0],i[1])}Object.defineProperty(r,t,{value:n,enumerable:!1}),Object.defineProperty(r,"co
des",{value:e,enumerable:!1})}const a=e=>e,o=(e,t,r)=>[e,t,r];r.color.close="[39m",r.bgColor.close="[
49m",r.color.ansi={ansi:n(a,0)},r.color.ansi256={ansi256:i(a,0)},r.color.ansi16m={rgb:s(o,0)},r.bgColor.ansi={ans
i:n(a,10)},r.bgColor.ansi256={ansi256:i(a,10)},r.bgColor.ansi16m={rgb:s(o,10)};for(let e of
Object.keys(t)){if("object"!==typeof t[e])continue;const a=t[e];"ansi16"===e&&(e="ansi"),"ansi16"i
n a&&(r.color.ansi[e]=n(a.ansi16,0),r.bgColor.ansi[e]=n(a.ansi16,10)),ansi256"i
n a&&(r.color.ansi256[e]=i(a.ansi256,0),r.bgColor.ansi256[e]=i(a.ansi256,10)),rgb"i
n a&&(r.color.ansi16m[e]=s(a.rgb,0),r.bgColor.ansi16m[e]=s(a.rgb,10))}return
r}}).call(this,r(31)(e)),function(e,t,r){var
n=r(126),i=r(350),s={};Object.keys(n).forEach((function(e){s[e]={},Object.defineProperty(s[e],"channels",{value:n
[e].channels}),Object.defineProperty(s[e],"labels",{value:n[e].labels});var
t=i(e);Object.keys(t).forEach((function(r){var n=t[r];s[e][r]=function(e){var t=function(t){if(null===t)return
t;arguments.length>1&&(t=Array.prototype.slice.call(arguments));var r=e(t);if("object"===typeof r)for(var
n=r.length,i=0;i<n;i++)r[i]=Math.round(r[i]);return r};return"conversion"in
e&&(t.conversion=e.conversion),t)(n),s[e][r].raw=function(e){var t=function(t){return
null===t?t:(arguments.length>1&&(t=Array.prototype.slice.call(arguments)),e(t));}return"conversion"in
e&&(t.conversion=e.conversion),t)(n)})),e.exports=s},function(e,t,r){"use
strict";e.exports={aliceblue:[240,248,255],antiquewhite:[250,235,215],aqua:[0,255,255],aquamarine:[127,255,212],
azure:[240,255,255],beige:[245,245,220],bisque:[255,228,196],black:[0,0,0],blanchedalmond:[255,235,205],blue:[0,
0,255],blueviolet:[138,43,226],brown:[165,42,42],burlywood:[222,184,135],cadetblue:[95,158,160],chartreuse:[127,
255,0],chocolate:[210,105,30],coral:[255,127,80],cornflowerblue:[100,149,237],cornsilk:[255,248,220],crimson:[22
0,20,60],cyan:[0,255,255],darkblue:[0,0,139],darkcyan:[0,139,139],darkgoldenrod:[184,134,11],darkgray:[169,169,
169],darkgreen:[0,100,0],darkgrey:[169,169,169],darkkhaki:[189,183,107],darkmagenta:[139,0,139],darkolivegreen
:[85,107,47],darkorange:[255,140,0],darkorchid:[153,50,204],darkred:[139,0,0],darksalmon:[233,150,122],darkseag

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reen:[143,188,143],darkslateblue:[72,61,139],darkslategray:[47,79,79],darkslategrey:[47,79,79],darkturquoise:[0,20
6,209],darkviolet:[148,0,211],deeppink:[255,20,147],deepskyblue:[0,191,255],dimgray:[105,105,105],dimgrey:[105
,105,105],dodgerblue:[30,144,255],firebrick:[178,34,34],floralwhite:[255,250,240],forestgreen:[34,139,34],fuchsia:[
255,0,255],gainsboro:[220,220,220],ghostwhite:[248,248,255],gold:[255,215,0],goldenrod:[218,165,32],gray:[128,1
28,128],green:[0,128,0],greenyellow:[173,255,47],grey:[128,128,128],honeydew:[240,255,240],hotpink:[255,105,1
80],indianred:[205,92,92],indigo:[75,0,130],ivory:[255,255,240],khaki:[240,230,140],lavender:[230,230,250],laven
derblush:[255,240,245],lawngreen:[124,252,0],lemonchiffon:[255,250,205],lightblue:[173,216,230],lightcoral:[240,
128,128],lightcyan:[224,255,255],lightgoldenrodyellow:[250,250,210],lightgray:[211,211,211],lightgreen:[144,238,
144],lightgrey:[211,211,211],lightpink:[255,182,193],lightsalmon:[255,160,122],lightseagreen:[32,178,170],lightsk
yblue:[135,206,250],lightslategray:[119,136,153],lightslategrey:[119,136,153],lightsteelblue:[176,196,222],lightyell
ow:[255,255,224],lime:[0,255,0],limegreen:[50,205,50],linen:[250,240,230],magenta:[255,0,255],maroon:[128,0,0],
mediumaquamarine:[102,205,170],mediumblue:[0,0,205],mediumorchid:[186,85,211],mediumpurple:[147,112,219]
,mediumseagreen:[60,179,113],mediumslateblue:[123,104,238],mediumspringgreen:[0,250,154],mediumturquoise:[
72,209,204],mediumvioletred:[199,21,133],midnightblue:[25,25,112],mintcream:[245,255,250],mistyrose:[255,228,
225],moccasin:[255,228,181],navajowhite:[255,222,173],navy:[0,0,128],oldlace:[253,245,230],olive:[128,128,0],oli
vedrab:[107,142,35],orange:[255,165,0],orangered:[255,69,0],orchid:[218,112,214],palegoldenrod:[238,232,170],pa
legreen:[152,251,152],paleturquoise:[175,238,238],palevioletred:[219,112,147],papayawhip:[255,239,213],peachpu
ff:[255,218,185],peru:[205,133,63],pink:[255,192,203],plum:[221,160,221],powderblue:[176,224,230],purple:[128,
0,128],rebeccapurple:[102,51,153],red:[255,0,0],rosybrown:[188,143,143],royalblue:[65,105,225],saddlebrown:[139
,69,19],salmon:[250,128,114],sandybrown:[244,164,96],seagreen:[46,139,87],seashell:[255,245,238],sienna:[160,82
,45],silver:[192,192,192],skyblue:[135,206,235],slateblue:[106,90,205],slategray:[112,128,144],slategrey:[112,128,
144],snow:[255,250,250],springgreen:[0,255,127],steelblue:[70,130,180],tan:[210,180,140],teal:[0,128,128],thistle:[
216,191,216],tomato:[255,99,71],turquoise:[64,224,208],violet:[238,130,238],wheat:[245,222,179],white:[255,255,
255],whitesmoke:[245,245,245],yellow:[255,255,0],yellowgreen:[154,205,50] }},function(e,t,r){var
n=r(126);function i(e){var t=function(){for(var e={},t=Object.keys(n),r=t.length,i=0;i<r;i++)e[t[i]]={distance:-
1,parent:null};return e}(),r=[e];for(t[e].distance=0;r.length;)for(var
i=r.pop(),s=Object.keys(n[i]),a=s.length,o=0;o<a;o++){var l=s[o],c=t[l];-
l===c.distance&&(c.distance=t[i].distance+1,c.parent=i,r.unshift(l))return t}function s(e,t){return
function(r){return t(e(r))}}function a(e,t){for(var
r=[t[e].parent,e],i=n[t[e].parent][e],a=t[e].parent;t[a].parent;r.unshift(t[a].parent),i=s(n[t[a].parent][a],i),a=t[a].paren
t;return i.conversion=r,i)e.exports=function(e){for(var t=i(e),r={},n=Object.keys(t),s=n.length,o=0;o<s;o++){var
l=n[o];null!==t[l].parent&&(r[l]=a(l,t))return r}},function(e,t,r){"use strict";const
n=r(98),i=r(99),s=process.env;let a;function o(e){return function(e){return
0!==(e&&{level:e,hasBasic:!0,has256:e>=2,has16m:e>=3})(function(e){if(!1===a)return
0;if(i("color=16m"))||i("color=full")||i("color=truecolor"))return 3;if(i("color=256"))return
2;if(e&&!e.isTTY&&!0!==(a))return 0;const t=a?1:0;if("win32"===process.platform){const
e=n.release().split(".");return
Number(process.versions.node.split(".")[0])>=8&&Number(e[0])>=10&&Number(e[2])>=10586?Number(e[2])>=
14931?3:2:1;if("CI" in s)return["TRAVIS","CIRCLECI","APPEVEYOR","GITLAB_CI"].some(e=>e in
s)||"codeship"===s.CI_NAME?1:t;if("TEAMCITY_VERSION" in s)return/^(\d+\.0*[1-
9]\d*)\.\d{2,}\.)/.test(s.TEAMCITY_VERSION)?1:0;if("truecolor"===s.COLORTERM)return
3;if("TERM_PROGRAM" in s){const
e=parseInt((s.TERM_PROGRAM_VERSION||"").split(".")[0],10);switch(s.TERM_PROGRAM){case"iTerm.app":r
eturn e>=3?3:2;case"Apple_Terminal":return 2}}return/-
256(color)?$/i.test(s.TERM)?2:/^screen|^xterm|^vt100|^vt220|^rxvt|color|ansi|cygwin|linux/i.test(s.TERM)||"COLO
RTERM" in s?1:(s.TERM,t)(e)}i("no-color")||i("no-
colors")||i("color=false")?a=!1:(i("color")||i("colors")||i("color=true")||i("color=always"))&&(a=!0),"FORCE_COLO
R" in

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s&&(a=0===s.FORCE_COLOR.length||0!==parseInt(s.FORCE_COLOR,10)),e.exports={ supportsColor:o,stdout:o(
process.stdout),stderr:o(process.stderr) },function(e,t,r){ "use strict";const n=/(?!\u[a-f\d]{4}|x[a-
f\d]{2}|.)(?!\{(?:\w+(?:\[^\]]*\})?(?:\w+(?:\[^\]]*\})?)\})*\s*(?!\[r\n\f]+?)/gi,i=/(?!\.)(\w+)(?!\[^\]]*\})?/g,s=/^([^\s]*)$/g,a=/(?!\u[a-
f\d]{4}|x[a-f\d]{2}|.)([^\s])/gi,o=new
Map([["n","\n"],["r","\r"],["t","\t"],["b","\b"],["f","\f"],["v","\v"],["0","\0"],["\\","\\"],[",","," "],["e"," "],["a"," "]]);function
l(e){return"u"===e[0]&&5===e.length?"x"===e[0]&&3===e.length?String.fromCharCode(parseInt(e.slice(1),16)):
o.get(e)|e}function c(e,t){const r=[],n=t.trim().split(/\s*,\s*/g);let i;for(const t of
n)if(isNaN(t)){if(!i=t.match(s))throw new Error(`Invalid Chalk template style argument: ${t} (in style
'${e}')`);r.push(i[2].replace(a,(e,t,r)=>t?l(t):r))}else r.push(Number(t));return r}function p(e){i.lastIndex=0;const
t=[];let r;for(;;null!==(r=i.exec(e)));{const e=r[1];if(r[2]){const n=c(e,r[2]);t.push([e].concat(n))}else
t.push([e])}return t}function u(e,t){const r={};for(const e of t)for(const t of
e.styles)r[t[0]]=e.inverse?null:t.slice(1);let n=e;for(const e of Object.keys(r))if(Array.isArray(r[e])){if(!(e in
n))throw new Error("Unknown Chalk style: "+e);n=r[e].length>0?n[e].apply(n,r[e]):n[e]}return
n}e.exports=(e,t)=>{const r=[],i=[];let s=[];if(t.replace(n,(t,n,a,o,c,d)=>{if(n)s.push(l(n));else if(o){const
t=s.join("");s=[],i.push(0===r.length?t:u(e,r)(t)),r.push({ inverse:a,styles:p(o)})}else if(c){if(0===r.length)throw
new Error("Found extraneous } in Chalk template literal");i.push(u(e,r)(s.join(""))),s=[],r.pop()}else
s.push(d)),i.push(s.join(""))),r.length>0){const e=`Chalk template literal is missing ${r.length} closing
bracket${1===r.length?"": "s"} (\`)\`);throw new Error(e)}return i.join("")}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{ value:!0}),t.evaluateTruthy=function(){const
e=this.evaluate();if(e.confident)return!e.value},t.evaluate=function(){const
e={ confident:!0,deoptPath:null,seen:new Map };let t=a(this,e);e.confident||(t=void
0);return{ confident:e.confident,deopt:e.deoptPath,value:t }};const
n=["String","Number","Math"],i=["random"];function s(e,t){t.confident&&(t.deoptPath=e,t.confident=!1)}function
a(e,t){const{node:r}=e,{seen:l}=t;if(l.has(r)){const n=l.get(r);return n.resolved?n.value:void s(e,t)}{const
c={ resolved:!1 };l.set(r,c);const
p=function(e,t){if(!t.confident)return;const{node:r}=e;if(e.isSequenceExpression()){const
r=e.get("expressions");return a(r[r.length-1],t)}if(e.isStringLiteral()||e.isNumericLiteral()||e.isBooleanLiteral())return
r.value;if(e.isNullLiteral())return null;if(e.isTemplateLiteral())return
o(e,r.quasis,t);if(e.isTaggedTemplateExpression()&&e.get("tag").isMemberExpression()){const
n=e.get("tag.object"),{node:{name:i}}=n,s=e.get("tag.property");if(n.isIdentifier()&&"String"===i&&!e.scope.get
Binding(i,!0)&&s.isIdentifier()&&"raw"===s.node.name)return
o(e,r.quasi.quasis,t,!0)}if(e.isConditionalExpression()){const r=a(e.get("test"),t);if(!t.confident)return;return
a(r?e.get("consequent"):e.get("alternate"),t)}if(e.isExpressionWrapper())return
a(e.get("expression"),t);if(e.isMemberExpression()&&!e.parentPath.isCallExpression({ callee:r}))){const
t=e.get("property"),r=e.get("object");if(r.isLiteral()&&t.isIdentifier()){const e=r.node.value,n=typeof
e;if("number"===n||"string"===n)return e[t.node.name]}if(e.isReferencedIdentifier()){const
n=e.scope.getBinding(r.name);if(n&&n.constantViolations.length>0)return
s(n.path,t);if(n&&e.node.start<n.path.node.end)return s(n.path,t);if(null===n?void 0:n.hasValue)return
n.value;if("undefined"===r.name)return n?s(n.path,t):void 0;if("Infinity"===r.name)return
n?s(n.path,t):1/0;if("NaN"===r.name)return n?s(n.path,t):NaN;const i=e.resolve();return
i===e?s(e,t):a(i,t)}if(e.isUnaryExpression({ prefix:!0}))if("void"===r.operator)return;const
n=e.get("argument");if("typeof"===r.operator&&(n.isFunction()||n.isClass()))return"function";const
i=a(n,t);if(!t.confident)return;switch(r.operator){case"!":return!i;case"+":return+i;case"-":return-
i;case "~":return~i;case"typeof":return typeof i}if(e.isArrayExpression()){const r=[],n=e.get("elements");for(const e
of n){const n=e.evaluate();if(!n.confident)return s(n.deopt,t);r.push(n.value)}return
r}if(e.isObjectExpression()){const r={},n=e.get("properties");for(const e of
n){if(e.isObjectMethod()||e.isSpreadElement())return s(e,t);let

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n=e.get("key");if(e.node.computed){if(n=n.evaluate(),!n.confident)return s(n.deopt,t);n=n.value}else
n=n.isIdentifier()?n.node.name:n.node.value;let i=e.get("value").evaluate();if(!i.confident)return
s(i.deopt,t);i=i.value,r[n]=i}return r}if(e.isLogicalExpression()){const
n=t.confident,i=a(e.get("left"),t),s=t.confident;t.confident=n;const
o=a(e.get("right"),t),l=t.confident;switch(r.operator){case"||":if(t.confident=s&&(!!i||l),!t.confident)return;return
i||o;case"&&":if(t.confident=s&&(!!i||l),!t.confident)return;return i&&o}}if(e.isBinaryExpression()){const
n=a(e.get("left"),t);if(!t.confident)return;const i=a(e.get("right"),t);if(!t.confident)return;switch(r.operator){case"-":
return n-i;case"+":return n+i;case"/":return n/i;case"*":return n*i;case"%":return n%i;case"**":return
Math.pow(n,i);case"<":return n<i;case">":return n>i;case"<=":return n<=i;case">=":return n>=i;case"===":return
n==i;case"!=":return n!=i;case"===":return n===i;case"!=":return n!==i;case"||":return n||i;case"&":return
n&i;case"^":return n^i;case"<<":return n<<i;case">>":return n>>i;case">>>":return
n>>>i}}if(e.isCallExpression()){const s=e.get("callee");let
o,l;if(s.isIdentifier())&&!e.scope.getBinding(s.node.name,!o)&&n.indexOf(s.node.name)>=0&&(l=global[r.callee.name]),s.isMemberExpression(){const
e=s.get("object"),t=s.get("property");if(e.isIdentifier())&&t.isIdentifier())&&n.indexOf(e.node.name)>=0&&i.indexOf(t.node.name)<0&&(o=global[e.node.name],l=o[t.node.name]),e.isLiteral())&&t.isIdentifier()){const r=typeof
e.node.value;"string"!==r&&"number"!==r||(o=e.node.value,l=o[t.node.name])}}if(l){const
r=e.get("arguments").map(e=>a(e,t));if(!t.confident)return;return l.apply(o,r)}s(e,t)(e,t);return
t.confident&&(c.resolved=!0,c.value=p),p}}function o(e,t,r,n=!1){let i="",s=0;const
o=e.get("expressions");for(const e of t){if(!r.confident)break;i+=n?e.value.raw:e.value.cooked;const
t=o[s++];t&&(i+=String(a(t,r)))}if(r.confident)return i}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.toComputedKey=function(){const e=this.node;let
t;if(this.isMemberExpression())t=e.property;else{if(!this.isProperty())&&!this.isMethod())throw new
ReferenceError("todo");t=e.key}e.computed||i.isIdentifier(t)&&(t=i.stringLiteral(t.name));return
t},t.ensureBlock=function(){const e=this.get("body"),t=e.node;if(Array.isArray(e))throw new Error("Can't convert
array path to a block statement");if(!t)throw new Error("Can't convert node without a
body");if(e.isBlockStatement())return t;const r=[];let
n,s,a="body";e.isStatement()?s="body",n=0,r.push(e.node):(a+=".body.0",this.isFunction()?n="argument",r.push(i.returnStatement(e.node))):(n="expression",r.push(i.expressionStatement(e.node))));this.node.body=i.blockStatement(r);const o=this.get(a);return
e.setup(o,s?o.node[s]:o.node,s,n),this.node},t.arrowFunctionToShadowed=function(){if(!this.isArrowFunctionExpression())return;this.arrowFunctionToExpression(),t.unwrapFunctionEnvironment=function(){if(!this.isArrowFunctionExpression())&&!this.isFunctionExpression())&&!this.isFunctionDeclaration())throw
this.buildCodeFrameError("Can only unwrap the environment of a
function.");o(this)},t.arrowFunctionToExpression=function({allowInsertArrow:e=!0,specCompliant:t=!1}={}){if(!this.isArrowFunctionExpression())throw this.buildCodeFrameError("Cannot convert non-arrow function to a
function expression.");const r=o(this,t,e);if(this.ensureBlock(),this.node.type="FunctionExpression",t){const
e=r?null:this.parentPath.scope.generateUidIdentifier("arrowCheckId");e&&this.parentPath.scope.push({id:e,init:i.objectExpression([])},this.get("body").unshiftContainer("body",i.expressionStatement(i.callExpression(this.hub.addHelper("newArrowCheck"),[i.thisExpression(),e?i.identifier(e.name):i.identifier(r)]))),this.replaceWith(i.callExpression(i.memberExpression((0,s.default)(this,!0)||this.node,i.identifier("bind")),[e?i.identifier(e.name):i.thisExpression()]))};var n,i=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=a();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get|s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0)),s=(n=r(355))&&n.__esModule?n:{default:n};function a(){if("function"!==typeof
WeakMap)return null;var e=new WeakMap;return a=function(){return e},e}function o(e,t=!1,r=!0){const

```

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n=e.findParent(e=>e.isFunction()&&!e.isArrowFunctionExpression()||e.isProgram()||e.isClassProperty({static:!1})),
s="constructor"===n?(null===n?void 0:n.node.kind);if(n.isClassProperty())throw e.buildCodeFrameError("Unable to
transform arrow inside class
property");const {thisPaths:a,argumentsPaths:o,newTargetPaths:p,superProps:u,superCalls:d}=function(e){const
t=[],r=[],n=[],i=[],s=[];return
e.traverse({ClassProperty(e){e.skip()},Function(e){e.isArrowFunctionExpression()||e.skip()},ThisExpression(e){t.p
ush(e)},JSXIdentifier(e){"this"===e.node.name&&(e.parentPath.isJSXMemberExpression({object:e.node})||e.paren
tPath.isJSXOpeningElement({name:e.node}))&&t.push(e)},CallExpression(e){e.get("callee").isSuper()&&s.push(e
)},MemberExpression(e){e.get("object").isSuper()&&i.push(e)},ReferencedIdentifier(e){"arguments"===e.node.na
me&&r.push(e)},MetaProperty(e){e.get("meta").isIdentifier({name:"new"})&&e.get("property").isIdentifier({name
:"target"})&&n.push(e)}},{thisPaths:t,argumentsPaths:r,newTargetPaths:n,superProps:i,superCalls:s})(e);if(s&&d.
length>0){if(!r)throw d[0].buildCodeFrameError("Unable to handle nested super() usage in arrow");const
e=[];n.traverse({Function(e){e.isArrowFunctionExpression()||e.skip()},ClassProperty(e){e.skip()},CallExpression(t
){t.get("callee").isSuper()&&e.push(t)});const t=function(e){return c(e,"supercall",()=>>{const
t=e.scope.generateUidIdentifier("args");return
i.arrowFunctionExpression([i.restElement(t),i.callExpression(i.super(),[i.spreadElement(i.identifier(t.name))])])}(
n);e.forEach(e=>{const r=i.identifier(t);r.loc=e.node.callee.loc,e.get("callee").replaceWith(r)});if(o.length>0){const
e=c(n,"arguments",()=>>i.identifier("arguments"));o.forEach(t=>{const
r=i.identifier(e);r.loc=t.node.loc,t.replaceWith(r)});if(p.length>0){const
e=c(n,"newtarget",()=>>i.metaProperty(i.identifier("new"),i.identifier("target")));p.forEach(t=>{const
r=i.identifier(e);r.loc=t.node.loc,t.replaceWith(r)});if(u.length>0){if(!r)throw u[0].buildCodeFrameError("Unable to
handle nested super.prop
usage");u.reduce((e,t)=>e.concat(function(e){if(e.parentPath.isAssignmentExpression()&&"!="===e.parentPath.node
.operator){const t=e.parentPath,r=t.node.operator.slice(0,-
1),n=t.node.right;if(t.node.operator="=",e.node.computed){const
s=e.scope.generateDeclaredUidIdentifier("tmp");t.get("left").replaceWith(i.memberExpression(e.node.object,i.assig
nmentExpression("=",s,e.node.property),!0)),t.get("right").replaceWith(i.binaryExpression(r,i.memberExpression(e.
node.object,i.identifier(s.name),!0),n))}else
t.get("left").replaceWith(i.memberExpression(e.node.object,e.node.property)),t.get("right").replaceWith(i.binaryExp
ression(r,i.memberExpression(e.node.object,i.identifier(e.node.property.name)),n));return[t.get("left"),t.get("right")
.get("left")]}if(e.parentPath.isUpdateExpression()){const
t=e.parentPath,r=e.scope.generateDeclaredUidIdentifier("tmp"),n=e.node.computed?e.scope.generateDeclaredUidId
entifier("prop"):null,s=[i.assignmentExpression("=",r,i.memberExpression(e.node.object,n?i.assignmentExpression(
"=",n,e.node.property):e.node.property,e.node.computed)),i.assignmentExpression("=",i.memberExpression(e.node.
object,n?i.identifier(n.name):e.node.property,e.node.computed),i.binaryExpression("+",i.identifier(r.name),i.numeric
Literal(1)))];e.parentPath.node.prefix||s.push(i.identifier(r.name)),t.replaceWith(i.sequenceExpression(s));const
a=t.get("expressions.0.right"),o=t.get("expressions.1.left");return[a,o]}return[e]}(t),[]).forEach(e=>{const
t=e.node.computed?"":e.get("property").node.name,r=e.parentPath.isAssignmentExpression({left:e.node}),s=e.paren
tPath.isCallExpression({callee:e.node}),o=function(e,t,r){return
c(e,`superprop_${t?"set":"get"}:${r||""}`),()=>>{const n=[];let
s;if(r)s=i.memberExpression(i.super(),i.identifier(r));else{const
t=e.scope.generateUidIdentifier("prop");n.unshift(t),s=i.memberExpression(i.super(),i.identifier(t.name),!0)}if(t){co
nst t=e.scope.generateUidIdentifier("value");n.push(t),s=i.assignmentExpression("=",s,i.identifier(t.name))}return
i.arrowFunctionExpression(n,s)}(n,r,t),l=[];if(e.node.computed&&l.push(e.get("property").node),r){const
t=e.parentPath.node.right;l.push(t)}const
p=i.callExpression(i.identifier(o),l);s?(e.parentPath.unshiftContainer("arguments",i.thisExpression()),e.replaceWith(
i.memberExpression(p,i.identifier("call"))),a.push(e.parentPath.get("arguments.0"))):r?e.parentPath.replaceWith(p):
e.replaceWith(p)}let h;return(a.length>0|t)&&(h=function(e,t){return c(e,"this",r=>{if(!t||!(e))return

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i.thisExpression();const n=new
WeakSet;e.traverse({Function(e){e.isArrowFunctionExpression()||e.skip()},ClassProperty(e){e.skip()},CallExpressi
on(e){e.get("callee").isSuper()&&(n.has(e.node)||n.add(e.node),e.replaceWithMultiple([e.node,i.assignmentExpress
ion("="),i.identifier(r),i.identifier("this")])])})})(n,s),(t||s&&l(n))&&(a.forEach(e=>{const
t=e.isJSX()?i.jsxIdentifier(h):i.identifier(h);t.loc=e.node.loc,e.replaceWith(t)},t&&(h=null)),h)function l(e){return
e.isClassMethod()&&!e.parentPath.parentPath.node.superClass}function c(e,t,r){const n="binding:"+t;let
i=e.getData(n);if(!i){const
s=e.scope.generateUidIdentifier(t);i=s.name,e.setData(n,i),e.scope.push({id:s,init:r(i)})}return
i}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function({node:e,parent:t,scope:r,id:i,a=!1}){if(e
.id)return;if(!s.isObjectProperty(t)&&!s.isObjectMethod(t,{kind:"method"})||t.computed&&!s.isLiteral(t.key)){if(s.i
sVariableDeclarator(t)){if(i=t.id,s.isIdentifier(i)&&!a){const
t=r.parent.getBinding(i.name);if(t&&t.constant&&r.getBinding(i.name)===t)return
e.id=s.cloneNode(i),void(e.id[s.NOT_LOCAL_BINDING]=!0)}else
if(s.isAssignmentExpression(t,{operator:"="}))i=t.left;else if(!i)return}else i=t.key;let
o;i&&s.isLiteral(i)?o=function(e){if(s.isNullLiteral(e))return"null";if(s.isRegExpLiteral(e))return`_${e.pattern}_${e
.flags}`;if(s.isTemplateLiteral(e))return e.quasis.map(e=>e.value.raw).join("");if(void 0!==e.value)return
e.value+"";return""}(i):i&&s.isIdentifier(i)&&(o=i.name);if(void
0===o)return;o=s.toBindingIdentifierName(o),(i=s.identifier(o))[s.NOT_LOCAL_BINDING]=!0;return
function(e,t,r,i){if(e.selfReference){if(!i.hasBinding(r.name)||i.hasGlobal(r.name)){if(!s.isFunction(t))return;let
e=l;t.generator&&(e=c);const
a=e({FUNCTION:t,FUNCTION_ID:r,FUNCTION_KEY:i.generateUidIdentifier(r.name)}).expression,o=a.callee.b
ody.body[0].params;for(let e=0,r=(0,n.default)(t);e<r;e++)o.push(i.generateUidIdentifier("x"));return
a}i.rename(r.name)}t.id=r,i.getProgramParent().references[r.name]=!0}(function(e,t,r){const
n={selfAssignment:!1,selfReference:!1,outerDeclar:r.getBindingIdentifier(t),references:[],name:t},i=r.getOwnBindi
ng(t);i?"param"===i.kind&&(n.selfReference=!0):(n.outerDeclar||r.hasGlobal(t))&&r.traverse(e,p,n);return
n}(e,o,r),e,i,r)||e};var n=o(r(356)),i=o(r(357)),s=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=a();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(20));function a(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
a=function(){return e},e}function o(e){return e&&e.__esModule?e:{default:e}}const l=(0,i.default)("
(function (FUNCTION_KEY) {
  function FUNCTION_ID() {
    return FUNCTION_KEY.apply(this, arguments);
  }
  FUNCTION_ID.toString = function () {
    return FUNCTION_KEY.toString();
  }
  return FUNCTION_ID;
})(FUNCTION)\n"),c=(0,i.default)("
(function (FUNCTION_KEY) {
  function* FUNCTION_ID() {
    return yield* FUNCTION_KEY.apply(this, arguments);
  }
  FUNCTION_ID.toString = function () {
    return FUNCTION_KEY.toString();
  }
  return FUNCTION_ID;
})(FUNCTION)\n"),p={"ReferencedIdentifier|BindingIdentifier"(e,t){if(e.node.name!==t.name)return;e.scope.getBi
ndingIdentifier(t.name)===t.outerDeclar&&(t.selfReference=!0,e.stop())}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e){const t=e.params;for(let
e=0;e<t.length;e++){const r=t[e];if(n.isAssignmentPattern(r)||n.isRestElement(r))return e}return t.length};var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e

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,t&&t.set(e,r);return r}(r(20));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=t.program=t.expression=t.statements=t.statement
=t.smart=void 0;var n,i=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{default:e};var t=a();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(358)),s=(n=r(359))&&n.__esModule?n:{default:n};function a(){if("function"!==typeof
WeakMap)return null;var e=new WeakMap;return a=function(){return e},e}const
o=(0,s.default)(i.smart);t.smart=o;const l=(0,s.default)(i.statement);t.statement=l;const
c=(0,s.default)(i.statements);t.statements=c;const p=(0,s.default)(i.expression);t.expression=p;const
u=(0,s.default)(i.program);t.program=u;var d=Object.assign(o.bind(void
0),{smart:o,statement:l,statements:c,expression:p,program:u,ast:o.ast});t.default=d},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.program=t.expression=t.statement=t.statements=t.smart=
void 0;var n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(20));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e){return{code:e=>"/ * @babel/template
*/;\n"+e,validate:()=>>{} ,unwrap:t=>e(t.program.body.slice(1))}}const a=s(e=>e.length>1?e[0]);t.smart=a;const
o=s(e=>e);t.statements=o;const l=s(e=>{if(0===e.length)throw new Error("Found nothing to
return.");if(e.length>1)throw new Error("Found multiple statements but wanted one");return
e[0]});t.statement=l;const c={code:e=>`\n${e}\n` ,validate:e=>{if(e.program.body.length>1)throw new
Error("Found multiple statements but wanted one");if(0===c.unwrap(e).start)throw new Error("Parse result included
parens.")},unwrap:({program:e})=>{const[t]=e.body;return
n.assertExpressionStatement(t,t.expression)}};t.expression=c;t.program={code:e=>e,validate:()=>>{} ,unwrap:e=>e.p
rogram}},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function
e(t,r){const a=new WeakMap,c=new WeakMap,p=r||(0,n.validate)(null);return
Object.assign((r,...o)=>{if("string"===typeof r){if(o.length>1)throw new Error("Unexpected extra params.");return
l((0,i.default)(t,r,(0,n.merge)(p,(0,n.validate)(o[0])))})if(Array.isArray(r)){let e=a.get(r);return
e||(e=(0,s.default)(t,r,p),a.set(r,e)),l(e(o))}if("object"===typeof r&&r){if(o.length>0)throw new Error("Unexpected
extra params.");return e(t,(0,n.merge)(p,(0,n.validate)(r)))}throw new Error("Unexpected template param "+typeof
r)},{ast:(e,...r)=>{if("string"===typeof e){if(r.length>1)throw new Error("Unexpected extra
params.");return(0,i.default)(t,e,(0,n.merge)((0,n.merge)(p,(0,n.validate)(r[0])),o)}(0)}if(Array.isArray(e)){let
i=c.get(e);return i||(i=(0,s.default)(t,e,(0,n.merge)(p,o)),c.set(e,i)),i(r)}throw new Error("Unexpected template
param "+typeof e)}}};var n=r(59),i=a(r(360)),s=a(r(362));function a(e){return
e&&e.__esModule?e:{default:e}}const o=(0,n.validate)({placeholderPattern:!1});function l(e){let t="";try{throw
new Error}catch(e){e.stack&&(t=e.stack.split("\n").slice(3).join("\n"))return r=>{try{return e(r)}catch(e){throw
e.stack+="\n =====\n"+t,e}}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){let a;return t=e.code(t),o=>{const
l=(0,n.normalizeReplacements)(o);return a||(a=(0,i.default)(e,t,r),e.unwrap((0,s.default)(a,l))}};var
n=r(59),i=a(r(127)),s=a(r(128));function a(e){return e&&e.__esModule?e:{default:e}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0});class n{constructor(e,t={}){this.label=void
0,this.keyword=void 0,this.beforeExpr=void 0,this.startsExpr=void 0,this.rightAssociative=void 0,this.isLoop=void
0,this.isAssign=void 0,this.prefix=void 0,this.postfix=void 0,this.binop=void 0,this.updateContext=void

```


block.",AwaitExpressionFormalParameter:"'await' is not allowed in async function parameters.",AwaitNotInAsyncContext:"'await' is only allowed within async functions and at the top levels of modules.",AwaitNotInAsyncFunction:"'await' is only allowed within async functions.",BadGetterArity:"A 'get' accessor must not have any formal parameters.",BadSetterArity:"A 'set' accessor must have exactly one formal parameter.",BadSetterRestParameter:"A 'set' accessor function argument must not be a rest parameter.",ConstructorClassField:"Classes may not have a field named 'constructor'.",ConstructorClassPrivateField:"Classes may not have a private field named '#constructor'.",ConstructorIsAccessor:"Class constructor may not be an accessor.",ConstructorIsAsync:"Constructor can't be an async function.",ConstructorIsGenerator:"Constructor can't be a generator.",DeclarationMissingInitializer:"'%0' require an initialization value.",DecoratorBeforeExport:"Decorators must be placed *before* the 'export' keyword. You can set the 'decoratorsBeforeExport' option to false to use the 'export @decorator class {}' syntax.",DecoratorConstructor:"Decorators can't be used with a constructor. Did you mean '@dec class { ... }'?",DecoratorExportClass:"Using the export keyword between a decorator and a class is not allowed. Please use `export @dec class` instead.",DecoratorSemicolon:"Decorators must not be followed by a semicolon.",DecoratorStaticBlock:"Decorators can't be used with a static block.",DeletePrivateField:"Deleting a private field is not allowed.",DestructureNamedImport:"ES2015 named imports do not destructure. Use another statement for destructuring after the import.",DuplicateConstructor:"Duplicate constructor in the same class.",DuplicateDefaultExport:"Only one default export allowed per module.",DuplicateExport:"`%0` has already been exported. Exported identifiers must be unique.",DuplicateProto:"Redefinition of __proto__ property.",DuplicateRegExpFlags:"Duplicate regular expression flag.",ElementAfterRest:"Rest element must be last element.",EscapedCharNotAnIdentifier:"Invalid Unicode escape.",ExportBindingIsString:"A string literal cannot be used as an exported binding without `from`. Did you mean `export { '%0' as '%1' } from 'some-module'`?",ExportDefaultFromAsIdentifier:"'from' is not allowed as an identifier after 'export default'.",ForInOfLoopInitializer:"'%0' loop variable declaration may not have an initializer.",ForOfAsync:"The left-hand side of a for-of loop may not be 'async'.",ForOfLet:"The left-hand side of a for-of loop may not start with 'let'.",GeneratorInSingleStatementContext:"Generators can only be declared at the top level or inside a block.",IllegalBreakContinue:"Unsyntactic %0.",IllegalLanguageModeDirective:"Illegal 'use strict' directive in function with non-simple parameter list.",IllegalReturn:"'return' outside of function.",ImportBindingIsString:"A string literal cannot be used as an imported binding.\n- Did you mean `import { '%0' as foo }`?",ImportCallArgumentTrailingComma:"Trailing comma is disallowed inside import(...) arguments.",ImportCallArity:"`import()` requires exactly %0.",ImportCallNotNewExpression:"Cannot use new with import(...).",ImportCallSpreadArgument:"`...` is not allowed in `import()`.",InvalidBigIntLiteral:"Invalid BigIntLiteral.",InvalidCodePoint:"Code point out of bounds.",InvalidDecimal:"Invalid decimal.",InvalidDigit:"Expected number in radix %0.",InvalidEscapeSequence:"Bad character escape sequence.",InvalidEscapeSequenceTemplate:"Invalid escape sequence in template.",InvalidEscapedReservedWord:"Escape sequence in keyword %0.",InvalidIdentifier:"Invalid identifier %0.",InvalidLhs:"Invalid left-hand side in %0.",InvalidLhsBinding:"Binding invalid left-hand side in %0.",InvalidNumber:"Invalid number.",InvalidOrMissingExponent:"Floating-point numbers require a valid exponent after the 'e'.",InvalidOrUnexpectedToken:"Unexpected character '%0'.",InvalidParenthesizedAssignment:"Invalid parenthesized assignment pattern.",InvalidPrivateFieldResolution:"Private name #%0 is not defined.",InvalidPropertyBindingPattern:"Binding member expression.",InvalidRecordProperty:"Only properties and spread elements are allowed in record definitions.",InvalidRestAssignmentPattern:"Invalid rest operator's argument.",LabelRedeclaration:"Label '%0' is already declared.",LetInLexicalBinding:"'let' is not allowed to be used as a name in 'let' or 'const' declarations.",LineTerminatorBeforeArrow:"No line break is allowed before '=>'.",MalformedRegExpFlags:"Invalid regular expression flag.",MissingClassName:"A class name is required.",MissingEqInAssignment:"Only '=' operator can be used for specifying default value.",MissingSemicolon:"Missing

semicolon.",MissingUnicodeEscape:"Expecting Unicode escape sequence
\\uXXXX.",MixingCoalesceWithLogical:"Nullish coalescing operator(??) requires parens when mixing with logical
operators.",ModuleAttributeDifferentFromType:"The only accepted module attribute is
`type`.",ModuleAttributeInvalidValue:"Only string literals are allowed as module attribute
values.",ModuleAttributesWithDuplicateKeys:"Duplicate key \"%0\" is not allowed in module
attributes.",ModuleExportNameHasLoneSurrogate:"An export name cannot include a lone surrogate, found
\\u%0\".",ModuleExportUndefined:"Export '%0' is not defined.",MultipleDefaultsInSwitch:"Multiple default
clauses.",NewlineAfterThrow:"Illegal newline after throw.",NoCatchOrFinally:"Missing catch or finally
clause.",NumberIdentifier:"Identifier directly after number.",NumericSeparatorInEscapeSequence:"Numeric
separators are not allowed inside unicode escape sequences or hex escape sequences.",ObsoleteAwaitStar:"await*
has been removed from the async functions proposal. Use Promise.all()
instead.",OptionalChainingNoNew:"Constructors in/after an Optional Chain are not
allowed.",OptionalChainingNoTemplate:"Tagged Template Literals are not allowed in
optionalChain.",OverrideOnConstructor:"'override' modifier cannot appear on a constructor
declaration.",ParamDupe:"Argument name clash.",PatternHasAccessor:"Object pattern can't contain getter or
setter.",PatternHasMethod:"Object pattern can't contain methods.",PipelineBodyNoArrow:"Unexpected arrow "=>"
after pipeline body; arrow function in pipeline body must be
parenthesized.",PipelineBodySequenceExpression:"Pipeline body may not be a comma-separated sequence
expression.",PipelineHeadSequenceExpression:"Pipeline head should not be a comma-separated sequence
expression.",PipelineTopicUnused:"Pipeline is in topic style but does not use topic
reference.",PrimaryTopicNotAllowed:"Topic reference was used in a lexical context without topic
binding.",PrimaryTopicRequiresSmartPipeline:"Primary Topic Reference found but pipelineOperator not passed
'smart' for 'proposal' option.",PrivateInExpectedIn:"Private names are only allowed in property accesses (obj.##%0)
or in `in` expressions (##%0 in obj).",PrivateNameRedeclaration:"Duplicate private name
##%0.",RecordExpressionBarIncorrectEndSyntaxType:"Record expressions ending with '}' are only allowed when
the 'syntaxType' option of the 'recordAndTuple' plugin is set to
'bar'.",RecordExpressionBarIncorrectStartSyntaxType:"Record expressions starting with '{' are only allowed when
the 'syntaxType' option of the 'recordAndTuple' plugin is set to
'bar'.",RecordExpressionHashIncorrectStartSyntaxType:"Record expressions starting with '#' are only allowed
when the 'syntaxType' option of the 'recordAndTuple' plugin is set to 'hash'.",RecordNoProto:"`__proto__` is not
allowed in Record expressions.",RestTrailingComma:"Unexpected trailing comma after rest
element.",SloppyFunction:"In non-strict mode code, functions can only be declared at top level, inside a block, or as
the body of an if statement.",StaticPrototype:"Classes may not have static property named
prototype.",StrictDelete:"Deleting local variable in strict mode.",StrictEvalArguments:"Assigning to '%0' in strict
mode.",StrictEvalArgumentsBinding:"Binding '%0' in strict mode.",StrictFunction:"In strict mode code, functions
can only be declared at top level or inside a block.",StrictNumericEscape:"The only valid numeric escape in strict
mode is \\0\".",StrictOctalLiteral:"Legacy octal literals are not allowed in strict mode.",StrictWith:"'with' in strict
mode.",SuperNotAllowed:"`super()` is only valid inside a class constructor of a subclass. Maybe a typo in the
method name ('constructor') or not extending another class?",SuperPrivateField:"Private fields can't be accessed on
super.",TrailingDecorator:"Decorators must be attached to a class
element.",TupleExpressionBarIncorrectEndSyntaxType:"Tuple expressions ending with ']' are only allowed when
the 'syntaxType' option of the 'recordAndTuple' plugin is set to
'bar'.",TupleExpressionBarIncorrectStartSyntaxType:"Tuple expressions starting with '[' are only allowed when the
'syntaxType' option of the 'recordAndTuple' plugin is set to
'bar'.",TupleExpressionHashIncorrectStartSyntaxType:"Tuple expressions starting with '#' are only allowed when
the 'syntaxType' option of the 'recordAndTuple' plugin is set to
'hash'.",UnexpectedArgumentPlaceholder:"Unexpected argument
placeholder.",UnexpectedAwaitAfterPipelineBody:"Unexpected \"await\" after pipeline body; await must have

parentheses in minimal proposal.',UnexpectedDigitAfterHash:"Unexpected digit after hash token.",UnexpectedImportExport:"'import' and 'export' may only appear at the top level.",UnexpectedKeyword:"Unexpected keyword '%0'.",UnexpectedLeadingDecorator:"Leading decorators must be attached to a class declaration.",UnexpectedLexicalDeclaration:"Lexical declaration cannot appear in a single-statement context.",UnexpectedNewTarget:"`new.target` can only be used in functions or class properties.",UnexpectedNumericSeparator:"A numeric separator is only allowed between two digits.",UnexpectedPrivateField:"Private names can only be used as the name of a class element (i.e. class C { #p = 42; #m() {} })\n or a property of member expression (i.e. this.#p).",UnexpectedReservedWord:"Unexpected reserved word '%0'.",UnexpectedSuper:"'super' is only allowed in object methods and classes.",UnexpectedToken:"Unexpected token '%0'.",UnexpectedTokenUnaryExponentiation:"Illegal expression. Wrap left hand side or entire exponentiation in parentheses.",UnsupportedBind:"Binding should be performed on object property.",UnsupportedDecoratorExport:"A decorated export must export a class declaration.",UnsupportedDefaultExport:"Only expressions, functions or classes are allowed as the `default` export.",UnsupportedImport:"`import` can only be used in `import()` or `import.meta`.",UnsupportedMetaProperty:"The only valid meta property for %0 is %0.%1.",UnsupportedParameterDecorator:"Decorators cannot be used to decorate parameters.",UnsupportedPropertyDecorator:"Decorators cannot be used to decorate object literal properties.",UnsupportedSuper:"'super' can only be used with function calls (i.e. super()) or in property accesses (i.e. super.prop or super[prop]).",UnterminatedComment:"Unterminated comment.",UnterminatedRegExp:"Unterminated regular expression.",UnterminatedString:"Unterminated string constant.",UnterminatedTemplate:"Unterminated template.",VarRedeclaration:"Identifier '%0' has already been declared.",YieldBindingIdentifier:"Can not use 'yield' as identifier inside a generator.",YieldInParameter:"Yield expression is not allowed in formal parameters.",ZeroDigitNumericSeparator:"Numeric separator can not be used after leading 0.",y.SyntaxError),b=g({ ImportMetaOutsideModule:"import.meta may appear only with 'sourceType: 'module'",ImportOutsideModule:"import' and 'export' may appear only with 'sourceType: 'module'",y.SourceTypeModuleError});function g(e,t){const r={};return Object.keys(e).forEach(n=>{r[n]=Object.freeze({code:t.reasonCode:n,template:e[n]})}),Object.freeze(r)}class S{constructor(e,t,r,n){this.token=void 0,this.isExpr=void 0,this.preserveSpace=void 0,this.override=void 0,this.token=e,this.isExpr=!t,this.preserveSpace=!r,this.override=n }const x={braceStatement:new S("{",!1),braceExpression:new S("{",!0),recordExpression:new S("#{",!0),templateQuasi:new S("\${",!1),parenStatement:new S("(",!1),parenExpression:new S("(",!0),template:new S("",!0,!0,e=>e.readTmpToken()),functionExpression:new S("function",!0),functionStatement:new S("function",!1)};o.parenR.updateContext=o.braceR.updateContext=function(){if(1===this.state.context.length)return void(this.state.exprAllowed=!0);let e=this.state.context.pop();e===x.braceStatement&&"function"===this.curContext().token&&(e=this.state.context.pop()),this.state.exprAllowed=!e.isExpr},o.name.updateContext=function(e){let t=!1;e===o.dot&&("of"!==this.state.value||this.state.exprAllowed||e===o._function||e===o._class||(t=!0)),this.state.exprAllowed=t},o.braceL.updateContext=function(e){this.state.context.push(this.braceIsBlock(e)?x.braceStatement:x.braceExpression),this.state.exprAllowed=!0},o.dollarBraceL.updateContext=function(){this.state.context.push(x.templateQuasi),this.state.exprAllowed=!0},o.parenL.updateContext=function(e){const t=e===o._if||e===o._for||e===o._with||e===o._while;this.state.context.push(t?x.parenStatement:x.parenExpression),this.state.exprAllowed=!0},o.incDec.updateContext=function(){},o._function.updateContext=o._class.updateContext=function(e){!e.beforeExpr||e===o.semi||e===o._else||e===o._return&&this.hasPrecedingLineBreak()|(e===o.colon||e===o.braceL)&&this.curContext()===x.b_stat?this.state.context.push(x.functionStatement):this.state.context.push(x.functionExpression),this.state.exprAllowed=!1},o.backQuote.updateContext=function(){this.curContext()===x.template?this.state.context.pop():this.state.context.push(x.template),this.state.exprAllowed=!1},o.braceHashL.updateContext=function(){this.state.context.push(x.recordExpression),this.state.exprAllowed=!0};let E="µÀ-ÖØ-öø-^-----"

```

";const v=new RegExp("[+E+]"),A=new RegExp("[+E+P+]");E=P=null;const
w=[0,11,2,25,2,18,2,1,2,14,3,13,35,122,70,52,268,28,4,48,48,31,14,29,6,37,11,29,3,35,5,7,2,4,43,157,19,35,5,35,5,
39,9,51,157,310,10,21,11,7,153,5,3,0,2,43,2,1,4,0,3,22,11,22,10,30,66,18,2,1,11,21,11,25,71,55,7,1,65,0,16,3,2,2,2,
28,43,28,4,28,36,7,2,27,28,53,11,21,11,18,14,17,111,72,56,50,14,50,14,35,349,41,7,1,79,28,11,0,9,21,107,20,28,22,
13,52,76,44,33,24,27,35,30,0,3,0,9,34,4,0,13,47,15,3,22,0,2,0,36,17,2,24,85,6,2,0,2,3,2,14,2,9,8,46,39,7,3,1,3,21,2,6
,2,1,2,4,4,0,19,0,13,4,159,52,19,3,21,2,31,47,21,1,2,0,185,46,42,3,37,47,21,0,60,42,14,0,72,26,230,43,117,63,32,7,3
,0,3,7,2,1,2,23,16,0,2,0,95,7,3,38,17,0,2,0,29,0,11,39,8,0,22,0,12,45,20,0,35,56,264,8,2,36,18,0,50,29,113,6,2,1,2,37
,22,0,26,5,2,1,2,31,15,0,328,18,190,0,80,921,103,110,18,195,2749,1070,4050,582,8634,568,8,30,114,29,19,47,17,3,
32,20,6,18,689,63,129,74,6,0,67,12,65,1,2,0,29,6135,9,1237,43,8,8952,286,50,2,18,3,9,395,2309,106,6,12,4,8,8,9,5
991,84,2,70,2,1,3,0,3,1,3,3,2,11,2,0,2,6,2,64,2,3,3,7,2,6,2,27,2,3,2,4,2,0,4,6,2,339,3,24,2,24,2,30,2,24,2,30,2,24,2,30
,2,24,2,30,2,24,2,7,2357,44,11,6,17,0,370,43,1301,196,60,67,8,0,1205,3,2,26,2,1,2,0,3,0,2,9,2,3,2,0,2,0,7,0,5,0,2,0,2
,0,2,2,2,1,2,0,3,0,2,0,2,0,2,0,2,1,2,0,3,3,2,6,2,3,2,3,2,0,2,9,2,16,6,2,2,4,2,16,4421,42717,35,4148,12,221,3,5761,
15,7472,3104,541,1507,4938],O=[509,0,227,0,150,4,294,9,1368,2,2,1,6,3,41,2,5,0,166,1,574,3,9,9,370,1,154,10,17
6,2,54,14,32,9,16,3,46,10,54,9,7,2,37,13,2,9,6,1,45,0,13,2,49,13,9,3,2,11,83,11,7,0,161,11,6,9,7,3,56,1,2,6,3,1,3,2,1
0,0,11,1,3,6,4,4,193,17,10,9,5,0,82,19,13,9,214,6,3,8,28,1,83,16,16,9,82,12,9,9,84,14,5,9,243,14,166,9,71,5,2,1,3,3,
2,0,2,1,13,9,120,6,3,6,4,0,29,9,41,6,2,3,9,0,10,10,47,15,406,7,2,7,17,9,57,21,2,13,123,5,4,0,2,1,2,6,2,0,9,9,49,4,2,1,
2,4,9,9,330,3,19306,9,135,4,60,6,26,9,1014,0,2,54,8,3,82,0,12,1,19628,1,5319,4,4,5,9,7,3,6,31,3,149,2,1418,49,513,
54,5,49,9,0,15,0,23,4,2,14,1361,6,2,16,3,6,2,1,2,4,262,6,10,9,419,13,1495,6,110,6,6,9,4759,9,787719,239];function
I(e,t){let r=65536;for(let
n=0,i=t.length;n<i;n+=2){if(r+=t[n],r>e)return!1;if(r+=t[n+1],r>=e)return!0}return!1}function C(e){return
e<65?36===e:e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&v.test(String.fromCharCode(e)):I(e,w)))}functi
on N(e){return
e<48?36===e:e<58!|(e<65)&&(e<=90||(e<97?95===e:e<=122||(e<=65535?e>=170&&A.test(String.fromCharCode
(e)):I(e,w)||I(e,O)))}const
k=["implements","interface","let","package","private","protected","public","static","yield"],D=["eval","arguments"],
_=new
Set(["break","case","catch","continue","debugger","default","do","else","finally","for","function","if","return","swit
ch","throw","try","var","const","while","with","new","this","super","class","extends","export","import","null","true"
,"false","in","instanceof","typeof","void","delete"]),L=new Set(k),M=new Set(D);function j(e,t){return
t&&"await"===e||"enum"===e}function F(e,t){return j(e,t)||L.has(e)}function R(e){return M.has(e)}function
B(e,t){return F(e,t)||R(e)}function U(e){return _.has(e)}const V=/^in(stanceof)?$/;class
K{constructor(e){this.flags=void 0,this.var=[],this.lexical=[],this.functions=[],this.flags=e}}class
q{constructor(e,t){this.scopeStack=[],this.undefinedExports=new Map,this.undefinedPrivateNames=new
Map,this.raise=e,this.inModule=t}get inFunction(){return(2&this.currentVarScope().flags)>0}get
allowSuper(){return(16&this.currentThisScope().flags)>0}get
allowDirectSuper(){return(32&this.currentThisScope().flags)>0}get
inClass(){return(64&this.currentThisScope().flags)>0}get
inStaticBlock(){return(128&this.currentThisScope().flags)>0}get
inNonArrowFunction(){return(2&this.currentThisScope().flags)>0}get treatFunctionsAsVar(){return
this.treatFunctionsAsVarInScope(this.currentScope())}createScope(e){return new
K(e)}enter(e){this.scopeStack.push(this.createScope(e))}exit(){this.scopeStack.pop()}treatFunctionsAsVarInScope(
e){return!!(2&e.flags||this.inModule&&1&e.flags)}declareName(e,t,r){let
n=this.currentScope();if(8&t||16&t)this.checkRedeclarationInScope(n,e,t,r),16&t?n.functions.push(e):n.lexical.push(
e),8&t&&this.maybeExportDefined(n,e);else if(4&t)for(let i=this.scopeStack.length-
1;i>=0&&(n=this.scopeStack[i],this.checkRedeclarationInScope(n,e,t,r),n.var.push(e),this.maybeExportDefined(n,e)
,!((259&n.flags));)--

```

```

i);this.inModule&&1&n.flags&&this.undefinedExports.delete(e)}maybeExportDefined(e,t){this.inModule&&1&e.f
lags&&this.undefinedExports.delete(t)}checkRedeclarationInScope(e,t,r,n){this.isRedeclaredInScope(e,t,r)&&this.r
aise(n,T.VarRedeclaration,t)}isRedeclaredInScope(e,t,r){return!!(1&r)&&(8&r?e.lexical.indexOf(t)>-
1||e.functions.indexOf(t)>-1||e.var.indexOf(t)>-1:16&r?e.lexical.indexOf(t)>-
1||this.treatFunctionsAsVarInScope(e)&&e.var.indexOf(t)>-1:e.lexical.indexOf(t)>-
1&&!(8&e.flags&&e.lexical[0]===t)||this.treatFunctionsAsVarInScope(e)&&e.functions.indexOf(t)>-
1)}checkLocalExport(e){-1===this.scopeStack[0].lexical.indexOf(e.name)&&-
1===this.scopeStack[0].var.indexOf(e.name)&&-
1===this.scopeStack[0].functions.indexOf(e.name)&&this.undefinedExports.set(e.name,e.start)}currentScope(){ret
urn this.scopeStack[this.scopeStack.length-1]}currentVarScope(){for(let e=this.scopeStack.length-1;;e--){const
t=this.scopeStack[e];if(259&t.flags)return t)}currentThisScope(){for(let e=this.scopeStack.length-1;;e--){const
t=this.scopeStack[e];if((259&t.flags||64&t.flags)&&!(4&t.flags))return t}}class Y extends
K{constructor(...e){super(...e),this.declareFunctions=[]}class W extends q{createScope(e){return new
Y(e)}declareName(e,t,r){const n=this.currentScope();if(2048&t)return
this.checkRedeclarationInScope(n,e,t,r),this.maybeExportDefined(n,e),void
n.declareFunctions.push(e);super.declareName(...arguments)}isRedeclaredInScope(e,t,r){return!!super.isRedeclared
InScope(...arguments)||!(2048&r)&&(!e.declareFunctions.includes(t)&&(e.lexical.includes(t)||e.functions.includes(t
)))}checkLocalExport(e){-
1===this.scopeStack[0].declareFunctions.indexOf(e.name)&&super.checkLocalExport(e)}const X=new
Set(["_","any","bool","boolean","empty","extends","false","interface","mixed","null","number","static","string","tru
e","typeof","void"]),J=g({AmbiguousConditionalArrow:"Ambiguous expression: wrap the arrow functions in
parentheses to disambiguate.",AmbiguousDeclareModuleKind:"Found both `declare module.exports` and `declare
export` in the same module. Modules can only have 1 since they are either an ES module or they are a CommonJS
module.",AssignReservedType:"Cannot overwrite reserved type %0.",DeclareClassElement:"The `declare` modifier
can only appear on class fields.",DeclareClassFieldInitializer:"Initializers are not allowed in fields with the `declare`
modifier.",DuplicateDeclareModuleExports:"Duplicate `declare module.exports`
statement.",EnumBooleanMemberNotInitialized:"Boolean enum members need to be initialized. Use either `%0 =
true,` or `%0 = false,` in enum `%1`.",EnumDuplicateMemberName:"Enum member names need to be unique, but
the name `%0` has already been used before in enum `%1`.",EnumInconsistentMemberValues:"Enum `%0` has
inconsistent member initializers. Either use no initializers, or consistently use literals (either booleans, numbers, or
strings) for all member initializers.",EnumInvalidExplicitType:"Enum type `%1` is not valid. Use one of `boolean`,
`number`, `string`, or `symbol` in enum `%0`.",EnumInvalidExplicitTypeUnknownSupplied:"Supplied enum type is
not valid. Use one of `boolean`, `number`, `string`, or `symbol` in enum
`%0`.",EnumInvalidMemberInitializerPrimaryType:"Enum `%0` has type `%2`, so the initializer of `%1` needs to
be a %2 literal.",EnumInvalidMemberInitializerSymbolType:"Symbol enum members cannot be initialized. Use
`%1,` in enum `%0`.",EnumInvalidMemberInitializerUnknownType:"The enum member initializer for `%1` needs
to be a literal (either a boolean, number, or string) in enum `%0`.",EnumInvalidMemberName:"Enum member
names cannot start with lowercase 'a' through 'z'. Instead of using `%0`, consider using `%1`, in enum
`%2`.",EnumNumberMemberNotInitialized:"Number enum members need to be initialized, e.g. `%1 = 1` in enum
`%0`.",EnumStringMemberInconsistentlyInitailized:"String enum members need to consistently either all use
initializers, or use no initializers, in enum `%0`.",GetterMayNotHaveThisParam:"A getter cannot have a `this`
parameter.",ImportTypeShorthandOnlyInPureImport:"The `type` and `typeof` keywords on named imports can only
be used on regular `import` statements. It cannot be used with `import type` or `import typeof`
statements.",InexactInsideExact:"Explicit inexact syntax cannot appear inside an explicit exact object
type.",InexactInsideNonObject:"Explicit inexact syntax cannot appear in class or interface
definitions.",InexactVariance:"Explicit inexact syntax cannot have
variance.",InvalidNonTypeImportInDeclareModule:"Imports within a `declare module` body must always be
`import type` or `import typeof`.",MissingTypeParamDefault:"Type parameter declaration needs a default, since a

```


preceding type parameter declaration has a default.",NestedDeclareModule:"`declare module` cannot be used inside another `declare module`.",NestedFlowComment:"Cannot have a flow comment inside another flow comment.",OptionalBindingPattern:"A binding pattern parameter cannot be optional in an implementation signature.",SetterMayNotHaveThisParam:"A setter cannot have a `this` parameter.",SpreadVariance:"Spread properties cannot have variance.",ThisParamAnnotationRequired:"A type annotation is required for the `this` parameter.",ThisParamBannedInConstructor:"Constructors cannot have a `this` parameter; constructors don't bind `this` like other functions.",ThisParamMayNotBeOptional:"The `this` parameter cannot be optional.",ThisParamMustBeFirst:"The `this` parameter must be the first function parameter.",ThisParamNoDefault:"The `this` parameter may not have a default value.",TypeBeforeInitializer:"Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`.",TypeCastInPattern:"The type cast expression is expected to be wrapped with parenthesis.",UnexpectedExplicitInexactInObject:"Explicit inexact syntax must appear at the end of an inexact object.",UnexpectedReservedType:"Unexpected reserved type %0.",UnexpectedReservedUnderscore:"`_` is only allowed as a type argument to call or new.",UnexpectedSpaceBetweenModuloChecks:"Spaces between `%` and `checks` are not allowed here.",UnexpectedSpreadType:"Spread operator cannot appear in class or interface definitions.",UnexpectedSubtractionOperand:"Unexpected token, expected \"number\" or \"bigint\".",UnexpectedTokenAfterTypeParameter:"Expected an arrow function after this type parameter declaration.",UnexpectedTypeParameterBeforeAsyncArrowFunction:"Type parameters must come after the async keyword, e.g. instead of `",weierp:"℥",real:"ℝ",trade:"™",alefsym:"ℵ",larr:"←",uarr:"↑",rarr:"→",darr:"↓",harr:"↔",crarr:"↵",lArr:"⇐",uArr:"⇑",rArr:"⇓",dArr:"⇓",hArr:"⇔",forall:"∀",part:"∂",exist:"∃",empty:"∅",nabla:"∇",isin:"∈",notin:"∉",ni:"∋",prod:"∏",sum:"∑",minus:"−",lowast:"∗",radic:"√",prop:"∝",infin:"∞",ang:"∠",and:"∧",or:"∨",cap:"∩",cup:"∪",int:"∫",there4:"∴",sim:"∝",cong:"≈",asymp:"≈",ne:"≠",equiv:"≡",le:"≤",ge:"≥",sub:"sub",sup:"sup",nsup:"ⁿ",sube:"⊆",supe:"⊇",oplus:"⊕",otimes:"⊗",perp:"⊥",sdot:"⋅",lceil:"⌈",rceil:"⌋",lfloor:"⌊",rfloor:"⌋",lang:"⟨",rang:"⟩",loz:"◊",spades:"♠",clubs:"♣",hearts:"♥",diams:"♦"},Z=/^[\da-fA-F]+\$/;ee=/^d+\$/;te=g({AttributeIsEmpty:"JSX attributes must only be assigned a non-empty expression.",MissingClosingTagElement:"Expected corresponding JSX closing tag for <%0>.",MissingClosingTagFragment:"Expected corresponding JSX closing tag for <>.",UnexpectedSequenceExpression:"Sequence expressions cannot be directly nested inside JSX. Did you mean to

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wrap it in parentheses (...)?" ,UnsupportedJsxValue:"JSX value should be either an expression or a quoted JSX
text.",UnterminatedJsxContent:"Unterminated JSX contents.",UnwrappedAdjacentJSXElements:"Adjacent JSX
elements must be wrapped in an enclosing tag. Did you want a JSX fragment <>...</>?"},y.SyntaxError);function
re(e){return!!e&&("JSXOpeningFragment"===e.type||"JSXClosingFragment"===e.type)}function
ne(e){if("JSXIdentifier"===e.type)return e.name;if("JSXNamespacedName"===e.type)return
e.namespace.name+"."+e.name.name;if("JSXMemberExpression"===e.type)return
ne(e.object)+"."+ne(e.property);throw new Error("Node had unexpected type: "+e.type)}x.j_oTag=new
S("<tag",!1),x.j_cTag=new S("</tag",!1),x.j_expr=new S("<tag>...</tag>",!0,!0),o.jsxName=new
n("jsxName"),o.jsxText=new n("jsxText",{beforeExpr:!0}),o.jsxTagStart=new
n("jsxTagStart",{startsExpr:!0}),o.jsxTagEnd=new
n("jsxTagEnd"),o.jsxTagStart.updateContext=function(){this.state.context.push(x.j_expr),this.state.context.push(x.j
_oTag),this.state.exprAllowed=!1},o.jsxTagEnd.updateContext=function(e){const
t=this.state.context.pop();t===x.j_oTag&&e===o.slash||t===x.j_cTag?(this.state.context.pop(),this.state.exprAllow
ed=this.curContext()===x.j_expr):this.state.exprAllowed=!0};class ie extends
K{constructor(...e){super(...e),this.types=[],this.enums=[],this.constEnums=[],this.classes=[],this.exportOnlyBindin
gs=[]}class se extends q{createScope(e){return new ie(e)}declareName(e,t,r){const
n=this.currentScope(),if(1024&t)return this.maybeExportDefined(n,e),void
n.exportOnlyBindings.push(e);super.declareName(...arguments),2&t&&(1&t||(this.checkRedeclarationInScope(n,e,t
,r),this.maybeExportDefined(n,e)),n.types.push(e)),256&t&&n.enums.push(e),512&t&&n.constEnums.push(e),128
&t&&n.classes.push(e)}isRedeclaredInScope(e,t,r){if(e.enums.indexOf(t)>-
1){if(256&r){return!!(512&r)!==e.constEnums.indexOf(t)>-1}return!0}return 128&r&&e.classes.indexOf(t)>-
1?e.lexical.indexOf(t)>-1&&!!(1&r):!!(2&r&&e.types.indexOf(t)>-
1)||super.isRedeclaredInScope(...arguments)}checkLocalExport(e){-
1===this.scopeStack[0].types.indexOf(e.name)&&-
1===this.scopeStack[0].exportOnlyBindings.indexOf(e.name)&&super.checkLocalExport(e)}class
ae{constructor(){this.stacks=[]}enter(e){this.stacks.push(e)}exit(){this.stacks.pop()}currentFlags(){return
this.stacks[this.stacks.length-1]}get hasAwait(){return(2&this.currentFlags())>0}get
hasYield(){return(1&this.currentFlags())>0}get hasReturn(){return(4&this.currentFlags())>0}get
hasIn(){return(8&this.currentFlags())>0}function oe(e,t){return(e?2:0)|(t?1:0)}function le(e){if(null===e)throw new
Error(`Unexpected ${e} value.`);return e}function ce(e){if(!e)throw new Error("Assert fail")}const
pe=g({AbstractMethodHasImplementation:"Method '%0' cannot have an implementation because it is marked
abstract.",AccesorCannotDeclareThisParameter:"'get' and 'set' accessors cannot declare 'this'
parameters.",AccesorCannotHaveTypeParameters:"An accessor cannot have type
parameters.",ClassMethodHasDeclare:"Class methods cannot have the 'declare'
modifier.",ClassMethodHasReadOnly:"Class methods cannot have the 'readonly'
modifier.",ConstructorHasTypeParameters:"Type parameters cannot appear on a constructor
declaration.",DeclareAccessor:"'declare' is not allowed in %0ters.",DeclareClassFieldHasInitializer:"Initializers are
not allowed in ambient contexts.",DeclareFunctionHasImplementation:"An implementation cannot be declared in
ambient contexts.",DuplicateAccessibilityModifier:"Accessibility modifier already
seen.",DuplicateModifier:"Duplicate modifier: '%0'." ,EmptyHeritageClauseType:"'%0' list cannot be
empty.",EmptyTypeArguments:"Type argument list cannot be empty.",EmptyTypeParameters:"Type parameter list
cannot be empty.",ExpectedAmbientAfterExportDeclare:"'export declare' must be followed by an ambient
declaration.",ImportAliasHasImportType:"An import alias can not use 'import type'." ,IncompatibleModifiers:"'%0'
modifier cannot be used with '%1' modifier.",IndexSignatureHasAbstract:"Index signatures cannot have the 'abstract'
modifier.",IndexSignatureHasAccessibility:"Index signatures cannot have an accessibility modifier
('%0').",IndexSignatureHasDeclare:"Index signatures cannot have the 'declare'
modifier.",IndexSignatureHasOverride:"'override' modifier cannot appear on an index
signature.",IndexSignatureHasStatic:"Index signatures cannot have the 'static'

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modifier.",InvalidModifierOnTypeMember:"'%0' modifier cannot appear on a type member.",InvalidModifiersOrder:"'%0' modifier must precede '%1' modifier.",InvalidTupleMemberLabel:"Tuple members must be labeled with a simple identifier.",MixedLabeledAndUnlabeledElements:"Tuple members must all have names or all not have names.",NonAbstractClassHasAbstractMethod:"Abstract methods can only appear within an abstract class.",NonClassMethodPropertyHasAbstractModifier:"'abstract' modifier can only appear on a class, method, or property declaration.",OptionalTypeBeforeRequired:"A required element cannot follow an optional element.",OverrideNotInSubClass:"This member cannot have an 'override' modifier because its containing class does not extend another class.",PatternIsOptional:"A binding pattern parameter cannot be optional in an implementation signature.",PrivateElementHasAbstract:"Private elements cannot have the 'abstract' modifier.",PrivateElementHasAccessibility:"Private elements cannot have an accessibility modifier ('%0').",ReadOnlyForMethodSignature:"'readonly' modifier can only appear on a property declaration or index signature.",SetAccesorCannotHaveOptionalParameter:"A 'set' accessor cannot have an optional parameter.",SetAccesorCannotHaveRestParameter:"A 'set' accessor cannot have rest parameter.",SetAccesorCannotHaveReturnType:"A 'set' accessor cannot have a return type annotation.",StaticBlockCannotHaveModifier:"Static class blocks cannot have any modifier.",TypeAnnotationAfterAssign:"Type annotations must come before default assignments, e.g. instead of `age = 25: number` use `age: number = 25`.",TypeImportCannotSpecifyDefaultAndNamed:"A type-only import can specify a default import or named bindings, but not both.",UnexpectedParameterModifier:"A parameter property is only allowed in a constructor implementation.",UnexpectedReadOnly:"'readonly' type modifier is only permitted on array and tuple literal types.",UnexpectedTypeAnnotation:"Did not expect a type annotation here.",UnexpectedTypeCastInParameter:"Unexpected type cast in parameter position.",UnsupportedImportTypeArgument:"Argument in a type import must be a string literal.",UnsupportedParameterPropertyKind:"A parameter property may not be declared using a binding pattern.",UnsupportedSignatureParameterKind:"Name in a signature must be an Identifier, ObjectPattern or ArrayPattern, instead got %0.",y.SyntaxError);function ue(e){return"private"===e||"public"===e||"protected"===e||o.placeholder=new n("%%",{startsExpr:!0});const de=g({ClassNameIsRequired:"A class name is required.",y.SyntaxError);function he(e,t){return e.some(e=>Array.isArray(e)?e[0]===t:e===t)}function fe(e,t,r){const n=e.find(e=>Array.isArray(e)?e[0]===t:e===t);return n&&Array.isArray(n)?n[1][r]:null}const me=["minimal","smart","fsharp"],ye=["hash","bar"];const Te={estree:e=>class extends e{estreeParseRegExpLiteral({pattern:e,flags:t}){let r=null;try{r=new RegExp(e,t)}catch(e){}const n=this.estreeParseLiteral(r);return n.regex={pattern:e,flags:t},n}estreeParseBigIntLiteral(e){let t;try{t=BigInt(e)}catch(e){t=null}const r=this.estreeParseLiteral(t);return r.bigint=String(r.value|e),r}estreeParseDecimalLiteral(e){const t=this.estreeParseLiteral(null);return t.decimal=String(t.value|e),t}estreeParseLiteral(e){return this.parseLiteral(e,"Literal")}directiveToStmt(e){const t=e.value,r=this.startNodeAt(e.start,e.loc.start),n=this.startNodeAt(t.start,t.loc.start);return n.value=t.extra.expressionValue,n.raw=t.extra.raw,r.expression=this.finishNodeAt(n,"Literal",t.end,t.loc.end),r.directive=t.extra.raw.slice(1,-1),this.finishNodeAt(t,"ExpressionStatement",e.end,e.loc.end)}initFunction(e,t){super.initFunction(e,t),e.expression=!1}checkDeclaration(e){null!=e&&this.isObjectProperty(e)?this.checkDeclaration(e.value):super.checkDeclaration(e)}getObjectOrClassMethodParams(e){return e.value.params}isValidDirective(e){var t;return"ExpressionStatement"===e.type&&"Literal"===e.expression.type&&"string"===typeof e.expression.value&&!(null!=(t=e.expression.extra)&&t.parenthesized)}stmtToDirective(e){const t=super.stmtToDirective(e),r=e.expression.value;return this.addExtra(t.value,"expressionValue",r),t}parseBlockBody(e,...t){super.parseBlockBody(e,...t);const r=e.directives.map(e=>this.directiveToStmt(e));e.body=r.concat(e.body),delete e.directives}pushClassMethod(e,t,r,n,i,s){this.parseMethod(t,r,n,i,s,"ClassMethod",!0),t.typeParameters&&(t.value.typeParameters=t.typeParameters),delete

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t.typeParameters),e.body.push(t)}parseExprAtom(e){switch(this.state.type){case o.num:case o.string:return
this.estreeParseLiteral(this.state.value);case o.regex:return this.estreeParseRegExpLiteral(this.state.value);case
o.bigint:return this.estreeParseBigIntLiteral(this.state.value);case o.decimal:return
this.estreeParseDecimalLiteral(this.state.value);case o._null:return this.estreeParseLiteral(null);case o._true:return
this.estreeParseLiteral(!0);case o._false:return this.estreeParseLiteral(!1);default:return
super.parseExprAtom(e)} }parseMaybePrivateName(...e){const
t=super.parseMaybePrivateName(...e);return"PrivateName"===t.type&&this.getPluginOption("estree","classFeatures")?this.convertPrivateNameToPrivateIdentifier(t):t}convertPrivateNameToPrivateIdentifier(e){const
t=super.getPrivateNameSV(e);return delete(e=e).id,e.name=t,e.type="PrivateIdentifier",e}isPrivateName(e){return
this.getPluginOption("estree","classFeatures")?"PrivateIdentifier"===e.type:super.isPrivateName(e)}getPrivateName
eSV(e){return
this.getPluginOption("estree","classFeatures")?e.name:super.getPrivateNameSV(e)}parseLiteral(e,t,r,n){const
i=super.parseLiteral(e,t,r,n);return i.raw=i.extra.raw,delete
i.extra,i}parseFunctionBody(e,t,r=!1){super.parseFunctionBody(e,t,r),e.expression="BlockStatement"!==e.body.type
e}parseMethod(e,t,r,n,i,s,a=!1){let o=this.startNode();return
o.kind=e.kind,o=super.parseMethod(o,t,r,n,i,s,a),o.type="FunctionExpression",delete
o.kind,e.value=o,"ClassPrivateMethod"===s&&(e.computed=!1),s="MethodDefinition",this.finishNode(e,s)}parse
ClassProperty(...e){const t=super.parseClassProperty(...e);return
this.getPluginOption("estree","classFeatures")&&(t.type="PropertyDefinition"),t}parseClassPrivateProperty(...e){co
nst t=super.parseClassPrivateProperty(...e);return
this.getPluginOption("estree","classFeatures")&&(t.type="PropertyDefinition",t.computed=!1),t}parseObjectMetho
d(e,t,r,n,i){const s=super.parseObjectMethod(e,t,r,n,i);return
s&&(s.type="Property","method"===s.kind&&(s.kind="init"),s.shorthand=!1),s}parseObjectProperty(e,t,r,n,i){cons
t s=super.parseObjectProperty(e,t,r,n,i);return s&&(s.kind="init",s.type="Property"),s}toAssignable(e,t=!1){return
null!=e&&this.isObjectProperty(e)?(this.toAssignable(e.value,t),e):super.toAssignable(e,t)}toAssignableObjectExpr
essionProp(e,...t){ "get"===e.kind||"set"===e.kind?this.raise(e.key.start,T.PatternHasAccessor):e.method?this.raise(e
.key.start,T.PatternHasMethod):super.toAssignableObjectExpressionProp(e,...t)}finishCallExpression(e,t){if(super.f
inishCallExpression(e,t),"Import"===e.callee.type){ var
r;if(e.type="ImportExpression",e.source=e.arguments[0],this.hasPlugin("importAssertions"))e.attributes=null!=(r=e
.arguments[1])?r:null;delete e.arguments,delete e.callee}return
e}toReferencedArguments(e){ "ImportExpression"!==e.type&&super.toReferencedArguments(e)}parseExport(e){s
witch(super.parseExport(e),e.type){case"ExportAllDeclaration":e.exported=null;break;case"ExportNamedDeclarati
on":1===e.specifiers.length&&"ExportNamespaceSpecifier"===e.specifiers[0].type&&(e.type="ExportAllDeclarati
on",e.exported=e.specifiers[0].exported,delete e.specifiers)}return e}parseSubscript(e,t,r,n,i){const
s=super.parseSubscript(e,t,r,n,i);if(i.optionalChainMember){if("OptionalMemberExpression"!==s.type&&"Optional
CallExpression"!==s.type||s.type=s.type.substring(8),i.stop){const e=this.startNodeAtNode(s);return
e.expression=s,this.finishNode(e,"ChainExpression")}}else"MemberExpression"!==s.type&&"CallExpression"!==s
.type||s.optional=!1);return
s}hasPropertyAsPrivateName(e){return"ChainExpression"===e.type&&(e=e.expression),super.hasPropertyAsPriva
teName(e)}isOptionalChain(e){return"ChainExpression"===e.type}isObjectProperty(e){return"Property"===e.type
&&"init"===e.kind&&!e.method}isObjectMethod(e){return
e.method||"get"===e.kind||"set"===e.kind}}jsx:e=>class extends e{jsxReadToken(){let
e="",t=this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,te.UnterminatedJsxCContent);const r=this.input.charCodeAtAt(this.state.pos);switch(r){case
60:case 123:return
this.state.pos===this.state.start?60===r&&this.state.exprAllowed?(++this.state.pos,this.finishToken(o.jsxTagStart))
:super.getTokenFromCode(r):(e+=this.input.slice(t,this.state.pos),this.finishToken(o.jsxText,e));case
38:e+=this.input.slice(t,this.state.pos),e+=this.jsxReadEntity(),t=this.state.pos;break;case 62:case

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125:default:p(r)?(e+=this.input.slice(t,this.state.pos),e+=this.jsxReadNewLine(!0),t=this.state.pos):++this.state.pos }
} }jsxReadNewLine(e){const t=this.input.charCodeAtAt(this.state.pos);let
r;return++this.state.pos,13===t&&10===this.input.charCodeAtAt(this.state.pos)?(++this.state.pos,r=e?"\n":"\r\n"):r=S
tring.fromCharCode(t),++this.state.curLine,this.state.lineStart=this.state.pos,r }jsxReadString(e){let
t="",r=++this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,T.UnterminatedString);const
n=this.input.charCodeAtAt(this.state.pos);if(n===e)break;38===n?(t+=this.input.slice(r,this.state.pos),t+=this.jsxRead
Entity(),r=this.state.pos):p(n)?(t+=this.input.slice(r,this.state.pos),t+=this.jsxReadNewLine(!1),r=this.state.pos):++th
is.state.pos }return t+=this.input.slice(r,this.state.pos++),this.finishToken(o.string,t)}jsxReadEntity(){let
e,t="",r=0,n=this.input[this.state.pos];const
i=++this.state.pos;for(;this.state.pos<this.length&&r++<10;){if(n=this.input[this.state.pos++],;"===n){="#"===t[0]?
"x"===t[1]?(t=t.substr(2),Z.test(t)&&(e=String.fromCharCode(parseInt(t,16))):(t=t.substr(1),ee.test(t)&&(e=String
.fromCharCode(parseInt(t,10))):e=Q[t];break }t+=n }return e||(this.state.pos=i,"&")}jsxReadWord(){let e;const
t=this.state.pos;do{e=this.input.charCodeAtAt(++this.state.pos)}while(N(e)||45===e);return
this.finishToken(o.jsxName,this.input.slice(t,this.state.pos))}jsxParseIdentifier(){const e=this.startNode();return
this.match(o.jsxName)?e.name=this.state.value:this.state.type.keyword?e.name=this.state.type.keyword:this.unexpe
cted(),this.next(),this.finishNode(e,"JSXIdentifier")}jsxParseNamespacedName(){const
e=this.state.start,t=this.state.startLoc,r=this.jsxParseIdentifier();if(!this.eat(o.colon))return r;const
n=this.startNodeAt(e,t);return
n.namespace=r,n.name=this.jsxParseIdentifier(),this.finishNode(n,"JSXNamespacedName")}jsxParseElementName
(){const e=this.state.start,t=this.state.startLoc;let
r=this.jsxParseNamespacedName();if("JSXNamespacedName"===r.type)return r;for(;this.eat(o.dot);){const
n=this.startNodeAt(e,t);n.object=r,n.property=this.jsxParseIdentifier(),r=this.finishNode(n,"JSXMemberExpression"
)}return r }jsxParseAttributeValue(){let e;switch(this.state.type){case o.braceL:return
e=this.startNode(),this.next(),e=this.jsxParseExpressionContainer(e),"JSXEmptyExpression"===e.expression.type&
&this.raise(e.start,te.AttributeIsEmpty),e;case o.jsxTagStart:case o.string:return this.parseExprAtom();default:throw
this.raise(this.state.start,te.UnsupportedJsxValue)} }jsxParseEmptyExpression(){const
e=this.startNodeAt(this.state.lastTokEnd,this.state.lastTokEndLoc);return
this.finishNodeAt(e,"JSXEmptyExpression",this.state.start,this.state.startLoc)}jsxParseSpreadChild(e){return
this.next(),e.expression=this.parseExpression(),this.expect(o.braceR),this.finishNode(e,"JSXSpreadChild")}jsxParse
ExpressionContainer(e){if(this.match(o.braceR))e.expression=this.jsxParseEmptyExpression();else{const
t=this.parseExpression();e.expression=t }return
this.expect(o.braceR),this.finishNode(e,"JSXExpressionContainer")}jsxParseAttribute(){const
e=this.startNode();return
this.eat(o.braceL)?(this.expect(o.ellipsis),e.argument=this.parseMaybeAssignAllowIn(),this.expect(o.braceR),this.fi
nishNode(e,"JSXSpreadAttribute")):(e.name=this.jsxParseNamespacedName(),e.value=this.eat(o.eq)?this.jsxParseA
ttributeValue():null,this.finishNode(e,"JSXAttribute"))}jsxParseOpeningElementAt(e,t){const
r=this.startNodeAt(e,t);return
this.match(o.jsxTagEnd)?(this.expect(o.jsxTagEnd),this.finishNode(r,"JSXOpeningFragment")):(r.name=this.jsxPar
seElementName(),this.jsxParseOpeningElementAfterName(r))}jsxParseOpeningElementAfterName(e){const
t=[];for(;!this.match(o.slash)&&!this.match(o.jsxTagEnd);)t.push(this.jsxParseAttribute());return
e.attributes=t,e.selfClosing=this.eat(o.slash),this.expect(o.jsxTagEnd),this.finishNode(e,"JSXOpeningElement")}jsx
ParseClosingElementAt(e,t){const r=this.startNodeAt(e,t);return
this.match(o.jsxTagEnd)?(this.expect(o.jsxTagEnd),this.finishNode(r,"JSXClosingFragment")):(r.name=this.jsxPar
seElementName(),this.expect(o.jsxTagEnd),this.finishNode(r,"JSXClosingElement"))}jsxParseElementAt(e,t){const
r=this.startNodeAt(e,t),n=[],i=this.jsxParseOpeningElementAt(e,t);let
s=null;if(!i.selfClosing){e:for(;;)switch(this.state.type){case
o.jsxTagStart:if(e=this.state.start,t=this.state.startLoc,this.next(),this.eat(o.slash)){s=this.jsxParseClosingElementAt(

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e,t);break e }n.push(this.jsxParseElementAt(e,t));break;case o.jsxText:n.push(this.parseExprAtom());break;case
o.braceL:{ const
e=this.startNode();this.next(),this.match(o.ellipsis)?n.push(this.jsxParseSpreadChild(e)):n.push(this.jsxParseExpress
ionContainer(e));break }default:throw
this.unexpected() }re(i)&&!re(s)?this.raise(s.start,te.MissingClosingTagFragment):!re(i)&&re(s)?this.raise(s.start,te.
MissingClosingTagElement,ne(i.name)):re(i)||re(s)||ne(s.name)!==ne(i.name)&&this.raise(s.start,te.MissingClosing
TagElement,ne(i.name))}if(re(i)?(r.openingFragment=i,r.closingFragment=s):(r.openingElement=i,r.closingElement
=s),r.children=n,this.isRelational("<"))throw this.raise(this.state.start,te.UnwrappedAdjacentJSXElements);return
re(i)?this.finishNode(r,"JSXFragment"):this.finishNode(r,"JSXElement")}jsxParseElement(){ const
e=this.state.start,t=this.state.startLoc;return this.next(),this.jsxParseElementAt(e,t)}parseExprAtom(e){ return
this.match(o.jsxText)?this.parseLiteral(this.state.value,"JSXText"):this.match(o.jsxTagStart)?this.jsxParseElement()
:this.isRelational("<")&&33!==this.input.charCodeAtAt(this.state.pos)?(this.finishToken(o.jsxTagStart),this.jsxParseE
lement()):super.parseExprAtom(e)}getTokenFromCode(e){ if(this.state.inPropertyName)return
super.getTokenFromCode(e);const t=this.curContext();if(t===x.j_expr)return
this.jsxReadToken();if(t===x.j_oTag||t===x.j_cTag){ if(C(e))return
this.jsxReadWord();if(62===e)return++this.state.pos,this.finishToken(o.jsxTagEnd);if((34===e||39===e)&&t===x.
j_oTag)return this.jsxReadString(e)}return
60===e&&this.state.exprAllowed&&33!==this.input.charCodeAtAt(this.state.pos+1)?(++this.state.pos,this.finishToke
n(o.jsxTagStart)):super.getTokenFromCode(e)}updateContext(e){ if(this.match(o.braceL)){ const
t=this.curContext();t===x.j_oTag?this.state.context.push(x.braceExpression):t===x.j_expr?this.state.context.push(x.
templateQuasi):super.updateContext(e),this.state.exprAllowed=!0} else { if(!this.match(o.slash)||e!==o.jsxTagStart)ret
urn super.updateContext(e);this.state.context.length-
=2,this.state.context.push(x.j_cTag),this.state.exprAllowed=!1 } } },flow:e=>class extends
e{ constructor(...e){ super(...e),this.flowPragma=void 0}getScopeHandler(){ return W}shouldParseTypes(){ return
this.getPluginOption("flow","all")||"flow"===this.flowPragma}shouldParseEnums(){ return!!this.getPluginOption("f
low","enums")}finishToken(e,t){ return e!==o.string&&e!==o.semi&&e!==o.interpreterDirective&&void
0===this.flowPragma&&(this.flowPragma=null),super.finishToken(e,t)}addComment(e){ if(void
0===this.flowPragma){ const
t=$.exec(e.value);if(t)if("flow"===t[1])this.flowPragma="flow";else{ if("noflow"!==t[1])throw new
Error("Unexpected flow pragma");this.flowPragma="noflow"} else;}return
super.addComment(e)}flowParseTypeInitialiser(e){ const
t=this.state.inType;this.state.inType=!0,this.expect(e||o.colon);const r=this.flowParseType();return
this.state.inType=t,r}flowParsePredicate(){ const e=this.startNode(),t=this.state.start;return
this.next(),this.expectContextual("checks"),this.state.lastTokStart>t+1&&this.raise(t,J.UnexpectedSpaceBetweenMo
duloChecks),this.eat(o.parenL)?(e.value=this.parseExpression(),this.expect(o.parenR),this.finishNode(e,"DeclaredPr
edicate")):this.finishNode(e,"InferredPredicate")}flowParseTypeAndPredicateInitialiser(){ const
e=this.state.inType;this.state.inType=!0,this.expect(o.colon);let t=null,r=null;return
this.match(o.modulo)?(this.state.inType=e,r=this.flowParsePredicate()):t=this.flowParseType(),this.state.inType=e,
this.match(o.modulo)&&(r=this.flowParsePredicate()),[t,r]}flowParseDeclareClass(e){ return
this.next(),this.flowParseInterfaceish(e,!0),this.finishNode(e,"DeclareClass")}flowParseDeclareFunction(e){ this.nex
t();const
t=e.id=this.parseIdentifier(),r=this.startNode(),n=this.startNode();this.isRelational("<")?r.typeParameters=this.flowP
arseTypeParameterDeclaration():r.typeParameters=null,this.expect(o.parenL);const
i=this.flowParseFunctionTypeParams();return
r.params=i.params,r.rest=i.rest,r.this=i._this,this.expect(o.parenR),[r.returnType,e.predicate]=this.flowParseTypeAn
dPredicateInitialiser(),n.typeAnnotation=this.finishNode(r,"FunctionTypeAnnotation"),t.typeAnnotation=this.finish
Node(n,"TypeAnnotation"),this.resetEndLocation(t),this.semicolon(),this.scope.declareName(e.id.name,2048,e.id.st
art),this.finishNode(e,"DeclareFunction")}flowParseDeclare(e,t){ if(this.match(o._class))return

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this.flowParseDeclareClass(e);if(this.match(o._function))return
this.flowParseDeclareFunction(e);if(this.match(o._var))return
this.flowParseDeclareVariable(e);if(this.eatContextual("module"))return
this.match(o.dot)?this.flowParseDeclareModuleExports(e):(t&&this.raise(this.state.lastTokStart,J.NestedDeclareModule),this.flowParseDeclareModule(e));if(this.isContextual("type"))return
this.flowParseDeclareTypeAlias(e);if(this.isContextual("opaque"))return
this.flowParseDeclareOpaqueType(e);if(this.isContextual("interface"))return
this.flowParseDeclareInterface(e);if(this.match(o._export))return this.flowParseDeclareExportDeclaration(e,t);throw
this.unexpected()}flowParseDeclareVariable(e){return
this.next(),e.id=this.flowParseTypeAnnotatableIdentifier(!0),this.scope.declareName(e.id.name,5,e.id.start),this.semicolon(),this.finishNode(e,"DeclareVariable")}flowParseDeclareModule(e){this.scope.enter(0),this.match(o.string)?
e.id=this.parseExprAtom():e.id=this.parseIdentifier();const
t=e.body=this.startNode(),r=t.body=[];for(this.expect(o.braceL);!this.match(o.braceR);){let
e=this.startNode();this.match(o._import)?(this.next(),this.isContextual("type"))||this.match(o._typeof)||this.raise(this.state.lastTokStart,J.InvalidNonTypeImportInDeclareModule),this.parseImport(e):(this.expectContextual("declare",J.UnsupportedStatementInDeclareModule),e=this.flowParseDeclare(e,!0)),r.push(e)}this.scope.exit(),this.expect(o.braceR),this.finishNode(t,"BlockStatement");let n=null,i=!1;return
r.forEach(e=>{!function(e){return"DeclareExportAllDeclaration"===e.type||"DeclareExportDeclaration"===e.type&&(!e.declaration||"TypeAlias"!==e.declaration.type&&"InterfaceDeclaration"!==e.declaration.type)}(e)?"DeclareModuleExports"===e.type&&(i&&this.raise(e.start,J.DuplicateDeclareModuleExports),"ES"===n&&this.raise(e.start,J.AmbiguousDeclareModuleKind),n="CommonJS",i=!0):("CommonJS"===n&&this.raise(e.start,J.AmbiguousDeclareModuleKind),n="ES")),e.kind=n||"CommonJS",this.finishNode(e,"DeclareModule")}flowParseDeclareExportDeclaration(e,t){if(this.expect(o._export),this.eat(o._default))return
this.match(o._function)||this.match(o._class)?e.declaration=this.flowParseDeclare(this.startNode()):e.declaration=this.flowParseType(),this.semicolon(),e.default=!0,this.finishNode(e,"DeclareExportDeclaration");if(this.match(o._const)||this.isLet()||this.isContextual("type")||this.isContextual("interface"))&&!t){const
e=this.state.value,t=z[e];throw
this.raise(this.state.start,J.UnsupportedDeclareExportKind,e,t)}if(this.match(o._var)||this.match(o._function)||this.match(o._class)||this.isContextual("opaque"))return
e.declaration=this.flowParseDeclare(this.startNode()),e.default=!1,this.finishNode(e,"DeclareExportDeclaration");if(this.match(o._star)||this.match(o.braceL)||this.isContextual("interface")||this.isContextual("type")||this.isContextual("opaque"))return"ExportNamedDeclaration"===e&&(e=this.parseExport(e)).type&&(e.type="ExportDeclaration",e.default=!1,delete e.exportKind),e.type="Declare"+e.type,e;throw
this.unexpected()}flowParseDeclareModuleExports(e){return
this.next(),this.expectContextual("exports"),e.typeAnnotation=this.flowParseTypeAnnotation(),this.semicolon(),this.finishNode(e,"DeclareModuleExports")}flowParseDeclareTypeAlias(e){return
this.next(),this.flowParseTypeAlias(e),e.type="DeclareTypeAlias",e}flowParseDeclareOpaqueType(e){return
this.next(),this.flowParseOpaqueType(e,!0),e.type="DeclareOpaqueType",e}flowParseDeclareInterface(e){return
this.next(),this.flowParseInterfaceish(e),this.finishNode(e,"DeclareInterface")}flowParseInterfaceish(e,t=!1){if(e.id=this.flowParseRestrictedIdentifier(!t,!0),this.scope.declareName(e.id.name,t?17:9,e.id.start),this.isRelational("<")?e.typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.extends=[],e.implements=[],e.mixins=[],this.eat(o._extends))do{e.extends.push(this.flowParseInterfaceExtends())}while(!t&&this.eat(o.comma));if(this.isContextual("mixins")){this.next();do{e.mixins.push(this.flowParseInterfaceExtends())}while(this.eat(o.comma))}if(this.isContextual("implements")){this.next();do{e.implements.push(this.flowParseInterfaceExtends())}while(this.eat(o.comma))}e.body=this.flowParseObjectType({allowStatic:t,allowExact:!1,allowSpread:!1,allowProto:t,allowInexact:!1})}flowParseInterfaceExtends(){const e=this.startNode();return
e.id=this.flowParseQualifiedTypeIdentifier(),this.isRelational("<")?e.typeParameters=this.flowParseTypeParameterInstantiation():e.typeParameters=null,this.finishNode(e,"InterfaceExtends")}flowParseInterface(e){return

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this.flowParseInterfaceish(e),this.finishNode(e,"InterfaceDeclaration")}checkNotUnderscore(e){ "_"===e&&this.raise(this.state.start,J.UnexpectedReservedUnderscore)}checkReservedType(e,t,r){X.has(e)&&this.raise(t,r?J.AssignReservedType:J.UnexpectedReservedType,e)}flowParseRestrictedIdentifier(e,t){return
this.checkReservedType(this.state.value,this.state.start,t),this.parseIdentifier(e)}flowParseTypeAlias(e){return
e.id=this.flowParseRestrictedIdentifier(!1,!0),this.scope.declareName(e.id.name,9,e.id.start),this.isRelational("<")?e.typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.right=this.flowParseTypeInitialiser(o.eq),this.semicolon(),this.finishNode(e,"TypeAlias")}flowParseOpaqueType(e,t){return
this.expectContextual("type"),e.id=this.flowParseRestrictedIdentifier(!0,!0),this.scope.declareName(e.id.name,9,e.id.start),this.isRelational("<")?e.typeParameters=this.flowParseTypeParameterDeclaration():e.typeParameters=null,e.supertype=null,this.match(o.colon)&&(e.supertype=this.flowParseTypeInitialiser(o.colon)),e.impltype=null,t|(e.impltype=this.flowParseTypeInitialiser(o.eq)),this.semicolon(),this.finishNode(e,"OpaqueType")}flowParseTypeParameter(e=!1){const
t=this.state.start,r=this.startNode(),n=this.flowParseVariance(),i=this.flowParseTypeAnnotatableIdentifier();return
r.name=i.name,r.variance=n,r.bound=i.typeAnnotation,this.match(o.eq)?(this.eat(o.eq),r.default=this.flowParseType()):e&&this.raise(t,J.MissingTypeParamDefault),this.finishNode(r,"TypeParameter")}flowParseTypeParameterDeclaration(){const
e=this.state.inType,t=this.startNode();t.params=[],this.state.inType=!0,this.isRelational("<")||this.match(o.jsxTagStart)?this.next():this.unexpected();let r=!1;do{const
e=this.flowParseTypeParameter(r);t.params.push(e),e.default&&(r=!0),this.isRelational(">")||this.expect(o.comma)}while(!this.isRelational(">"));return
this.expectRelational(">"),this.state.inType=e,this.finishNode(t,"TypeParameterDeclaration")}flowParseTypeParameterInstantiation(){const
e=this.startNode(),t=this.state.inType;e.params=[],this.state.inType=!0,this.expectRelational("<");const
r=this.state.noAnonFunctionType;for(this.state.noAnonFunctionType=!1;!this.isRelational(">");)e.params.push(this.flowParseType()),this.isRelational(">")||this.expect(o.comma);return
this.state.noAnonFunctionType=r,this.expectRelational(">"),this.state.inType=t,this.finishNode(e,"TypeParameterInstantiation")}flowParseTypeParameterInstantiationCallOrNew(){const
e=this.startNode(),t=this.state.inType;for(e.params=[],this.state.inType=!0,this.expectRelational("<");!this.isRelational(">");)e.params.push(this.flowParseTypeOrImplicitInstantiation()),this.isRelational(">")||this.expect(o.comma);return
this.expectRelational(">"),this.state.inType=t,this.finishNode(e,"TypeParameterInstantiation")}flowParseInterfaceType(){const
e=this.startNode();if(this.expectContextual("interface"),e.extends=[],this.eat(o._extends))do{e.extends.push(this.flowParseInterfaceExtends())}while(this.eat(o.comma));return
e.body=this.flowParseObjectType({allowStatic:!1,allowExact:!1,allowSpread:!1,allowProto:!1,allowInexact:!1}),this.finishNode(e,"InterfaceTypeAnnotation")}flowParseObjectPropertyKey(){return
this.match(o.num)||this.match(o.string)?this.parseExprAtom():this.parseIdentifier(!0)}flowParseObjectTypeIndexer(e,t,r){return
e.static=t,this.lookahead().type===o.colon?(e.id=this.flowParseObjectPropertyKey(),e.key=this.flowParseTypeInitialiser()):e.id=null,e.key=this.flowParseType(),this.expect(o.bracketR),e.value=this.flowParseTypeInitialiser(),e.variance=r,this.finishNode(e,"ObjectTypeIndexer")}flowParseObjectTypeInternalSlot(e,t){return
e.static=t,e.id=this.flowParseObjectPropertyKey(),this.expect(o.bracketR),this.expect(o.bracketR),this.isRelational("<")||this.match(o.parenL)?(e.method=!0,e.optional=!1,e.value=this.flowParseObjectTypeMethodish(this.startNodeAt(e.start,e.loc.start))):(e.method=!1,this.eat(o.question)&&(e.optional=!0),e.value=this.flowParseTypeInitialiser()),this.finishNode(e,"ObjectTypeInternalSlot")}flowParseObjectTypeMethodish(e){for(e.params=[],e.rest=null,e.typeParameters=null,e.this=null,this.isRelational("<")&&(e.typeParameters=this.flowParseTypeParameterDeclaration()),this.expect(o.parenL),this.match(o._this)&&(e.this=this.flowParseFunctionTypeParam(!0),e.this.name=null,this.match(o.parenR)||this.expect(o.comma));!this.match(o.parenR)&&!this.match(o.ellipsis);)e.params.push(this.flowParseFu

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nctionTypeParam(!1)),this.match(o.parenR)||this.expect(o.comma);return
this.eat(o.ellipsis)&&(e.rest=this.flowParseFunctionTypeParam(!1)),this.expect(o.parenR),e.returnType=this.flowPa
rseTypeInitialiser(),this.finishNode(e,"FunctionTypeAnnotation")}flowParseObjectTypeCallProperty(e,t){const
r=this.startNode();return
e.static=t,e.value=this.flowParseObjectTypeMethodish(r),this.finishNode(e,"ObjectTypeCallProperty")}flowParseO
bjectType({allowStatic:e,allowExact:t,allowSpread:r,allowProto:n,allowInexact:i}){const
s=this.state.inType;this.state.inType=!0;const a=this.startNode();let
l,c;a.callProperties=[],a.properties=[],a.indexers=[],a.internalSlots=[];let
p=!1;for(t&&this.match(o.braceBarL)?(this.expect(o.braceBarL),l=o.braceBarR,c=!0):(this.expect(o.braceL),l=o.bra
ceR,c=!1),a.exact=c;!this.match(l);){let t=!1,s=null,l=null;const
u=this.startNode();if(n&&this.isContextual("proto")){const
t=this.lookahead();t.type!==(o.colon&&t.type!==(o.question&&(this.next(),s=this.state.start,e=!1))if(e&&this.isCont
extual("static")){const e=this.lookahead();e.type!==(o.colon&&e.type!==(o.question&&(this.next(),t=!0))const
d=this.flowParseVariance();if(this.eat(o.bracketL))null!=s&&this.unexpected(s),this.eat(o.bracketL)?(d&&this.unex
pected(d.start),a.internalSlots.push(this.flowParseObjectTypeInternalSlot(u,t)):a.indexers.push(this.flowParseObjec
tTypeIndexer(u,t,d));else
if(this.match(o.parenL)||this.isRelational("<"))null!=s&&this.unexpected(s),d&&this.unexpected(d.start),a.callPrope
rties.push(this.flowParseObjectTypeCallProperty(u,t));else{let
e="init";if(this.isContextual("get")||this.isContextual("set")){const
t=this.lookahead();t.type!==(o.name&&t.type!==(o.string&&t.type!==(o.num||e=this.state.value,this.next()))const
n=this.flowParseObjectTypeProperty(u,t,s,d,e,r,null!=i?!i:c);null===n?(p=!0,l=this.state.lastTokStart):a.properties.p
ush(n)}this.flowObjectTypeSemicolon(),!||this.match(o.braceR)||this.match(o.braceBarR)||this.raise(l,J.Unexpected
ExplicitInexactInObject)}this.expect(l),r&&(a.inexact=p);const
u=this.finishNode(a,"ObjectTypeAnnotation");return
this.state.inType=s,u}flowParseObjectTypeProperty(e,t,r,n,i,s,a){if(this.eat(o.ellipsis)){return
this.match(o.comma)||this.match(o.semi)||this.match(o.braceR)||this.match(o.braceBarR)?(s?a||this.raise(this.state.las
tTokStart,J.InexactInsideExact):this.raise(this.state.lastTokStart,J.InexactInsideNonObject),n&&this.raise(n.start,J.I
nexactVariance),null):(s||this.raise(this.state.lastTokStart,J.UnexpectedSpreadType),null!=r&&this.unexpected(r),n
&&this.raise(n.start,J.SpreadVariance),e.argument=this.flowParseType(),this.finishNode(e,"ObjectTypeSpreadProp
erty"))}{e.key=this.flowParseObjectPropertyKey(),e.static=t,e.proto=null!=r,e.kind=i;let a=!1;return
this.isRelational("<")||this.match(o.parenL)?(e.method=!0,null!=r&&this.unexpected(r),n&&this.unexpected(n.start
),e.value=this.flowParseObjectTypeMethodish(this.startNodeAt(e.start,e.loc.start)),"get"!=i&&"set"!=i||this.flowC
heckGetterSetterParams(e),!s&&"constructor"===e.key.name&&e.value.this&&this.raise(e.value.this.start,J.ThisPa
ramBannedInConstructor)):"init"!=i&&this.unexpected(),e.method=!1,this.eat(o.question)&&(a=!0),e.value=this.
flowParseTypeInitialiser(),e.variance=n,e.optional=a,this.finishNode(e,"ObjectTypeProperty")}flowCheckGetterS
etterParams(e){const
t="get"===e.kind?0:1,r=e.start,n=e.value.params.length+(e.value.rest?1:0);e.value.this&&this.raise(e.value.this.start
,"get"===e.kind?J.GetterMayNotHaveThisParam:J.SetterMayNotHaveThisParam),n!=t&&("get"===e.kind?this.ra
ise(r,T.BadGetterArity):this.raise(r,T.BadSetterArity)),"set"===e.kind&&e.value.rest&&this.raise(r,T.BadSetterRes
tParameter)}flowObjectTypeSemicolon(){this.eat(o.semi)||this.eat(o.comma)||this.match(o.braceR)||this.match(o.bra
ceBarR)||this.unexpected()}flowParseQualifiedTypeIdentifier(e,t,r){e=e||this.state.start,t=t||this.state.startLoc;let
n=r||this.flowParseRestrictedIdentifier(!0);for(;this.eat(o.dot);){const
r=this.startNodeAt(e,t);r.qualification=n,r.id=this.flowParseRestrictedIdentifier(!0),n=this.finishNode(r,"QualifiedT
ypeIdentifier")}return n}flowParseGenericType(e,t,r){const n=this.startNodeAt(e,t);return
n.typeParameters=null,n.id=this.flowParseQualifiedTypeIdentifier(e,t,r),this.isRelational("<")&&(n.typeParameters
=this.flowParseTypeParameterInstantiation()),this.finishNode(n,"GenericTypeAnnotation")}flowParseTypeofType()
{const e=this.startNode();return
this.expect(o._typeof),e.argument=this.flowParsePrimaryType(),this.finishNode(e,"TypeofTypeAnnotation")}flowP

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arseTupleType(){const
e=this.startNode();for(e.types=[],this.expect(o.bracketL);this.state.pos<this.length&&!this.match(o.bracketR)&&(e.t
ypes.push(this.flowParseType()),!this.match(o.bracketR));)this.expect(o.comma);return
this.expect(o.bracketR),this.finishNode(e,"TupleTypeAnnotation")}flowParseFunctionTypeParam(e){let
t=null,r=!1,n=null;const i=this.startNode(),s=this.lookahead(),a=this.state.type===o._this;return
s.type===o.colon||s.type===o.question?(a&&!e&&this.raise(i.start,J.ThisParamMustBeFirst),t=this.parseIdentifier(
a),this.eat(o.question)&&(r=!0,a&&this.raise(i.start,J.ThisParamMayNotBeOptional)),n=this.flowParseTypeInitialis
er():n=this.flowParseType(),i.name=t,i.optional=r,i.typeAnnotation=n,this.finishNode(i,"FunctionTypeParam")}rei
nterpretTypeAsFunctionTypeParam(e){const t=this.startNodeAt(e.start,e.loc.start);return
t.name=null,t.optional=!1,t.typeAnnotation=e,this.finishNode(t,"FunctionTypeParam")}flowParseFunctionTypePara
ms(e=[]){let
t=null,r=null;for(this.match(o._this)&&(r=this.flowParseFunctionTypeParam(!0),r.name=null,this.match(o.parenR)||
this.expect(o.comma));!this.match(o.parenR)&&!this.match(o.ellipsis);)e.push(this.flowParseFunctionTypeParam(!
1)),this.match(o.parenR)||this.expect(o.comma);return
this.eat(o.ellipsis)&&(t=this.flowParseFunctionTypeParam(!1)),{params:e,rest:t,_this:r}}flowIdentToTypeAnnotati
on(e,t,r,n){switch(n.name){case"any":return
this.finishNode(r,"AnyTypeAnnotation");case"bool":case"boolean":return
this.finishNode(r,"BooleanTypeAnnotation");case"mixed":return
this.finishNode(r,"MixedTypeAnnotation");case"empty":return
this.finishNode(r,"EmptyTypeAnnotation");case"number":return
this.finishNode(r,"NumberTypeAnnotation");case"string":return
this.finishNode(r,"StringTypeAnnotation");case"symbol":return
this.finishNode(r,"SymbolTypeAnnotation");default:return
this.checkNotUnderscore(n.name),this.flowParseGenericType(e,t,n)}}flowParsePrimaryType(){const
e=this.state.start,t=this.state.startLoc,r=this.startNode();let n,i,s=!1;const
a=this.state.noAnonFunctionType;switch(this.state.type){case o.name:return
this.isContextual("interface")?this.flowParseInterfaceType():this.flowIdentToTypeAnnotation(e,t,r,this.parseIdentifi
er());case o.braceL:return
this.flowParseObjectType({allowStatic:!1,allowExact:!1,allowSpread:!0,allowProto:!1,allowInexact:!0});case
o.braceBarL:return
this.flowParseObjectType({allowStatic:!1,allowExact:!0,allowSpread:!0,allowProto:!1,allowInexact:!1});case
o.bracketL:return
this.state.noAnonFunctionType=!1,i=this.flowParseTupleType(),this.state.noAnonFunctionType=a,i;case
o.relational;if("<"===this.state.value)return
r.typeParameters=this.flowParseTypeParameterDeclaration(),this.expect(o.parenL),n=this.flowParseFunctionTypeP
arams(),r.params=n.params,r.rest=n.rest,r.this=n._this,this.expect(o.parenR),this.expect(o.arrow),r.returnType=this.f
lowParseType(),this.finishNode(r,"FunctionTypeAnnotation");break;case
o.parenL;if(this.next(),!this.match(o.parenR)&&!this.match(o.ellipsis))if(this.match(o.name)||this.match(o._this)){c
onst e=this.lookahead().type;s=e!==o.question&&e!==o.colon}else
s=!0;if(s){if(this.state.noAnonFunctionType=!1,i=this.flowParseType(),this.state.noAnonFunctionType=a,this.state.
noAnonFunctionType||(this.match(o.comma)||this.match(o.parenR)&&this.lookahead().type===o.arrow))return
this.expect(o.parenR),i;this.eat(o.comma)}return
n=i?this.flowParseFunctionTypeParams([this.reinterpretTypeAsFunctionTypeParam(i)]:this.flowParseFunctionTyp
eParams(),r.params=n.params,r.rest=n.rest,r.this=n._this,this.expect(o.parenR),this.expect(o.arrow),r.returnType=thi
s.flowParseType(),r.typeParameters=null,this.finishNode(r,"FunctionTypeAnnotation");case o.string:return
this.parseLiteral(this.state.value,"StringLiteralTypeAnnotation");case o._true:case o._false:return
r.value=this.match(o._true),this.next(),this.finishNode(r,"BooleanLiteralTypeAnnotation");case o.plusMin;if("-
"===this.state.value){if(this.next(),this.match(o.num))return this.parseLiteral(-

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this.state.value,"NumberLiteralTypeAnnotation",r.start,r.loc.start);if(this.match(o.bigint))return this.parseLiteral(-
this.state.value,"BigIntLiteralTypeAnnotation",r.start,r.loc.start);throw
this.raise(this.state.start,J.UnexpectedSubtractionOperand)}throw this.unexpected();case o.num:return
this.parseLiteral(this.state.value,"NumberLiteralTypeAnnotation");case o.bigint:return
this.parseLiteral(this.state.value,"BigIntLiteralTypeAnnotation");case o._void:return
this.next(),this.finishNode(r,"VoidTypeAnnotation");case o._null:return
this.next(),this.finishNode(r,"NullLiteralTypeAnnotation");case o._this:return
this.next(),this.finishNode(r,"ThisTypeAnnotation");case o.star:return
this.next(),this.finishNode(r,"ExistsTypeAnnotation");default:if("typeof"===this.state.type.keyword)return
this.flowParseTypeofType();if(this.state.type.keyword){const e=this.state.type.label;return
this.next(),super.createIdentifier(r,e)}throw this.unexpected()}flowParsePostfixType(){const
e=this.state.start,t=this.state.startLoc;let
r=this.flowParsePrimaryType(),n=!1;for(;(this.match(o.bracketL)||this.match(o.questionDot))&&!this.canInsertSemi
colon());{const
i=this.startNodeAt(e,t),s=this.eat(o.questionDot);n=n||s,this.expect(o.bracketL),!s&&this.match(o.bracketR)?(i.elem
entType=r,this.next(),r=this.finishNode(i,"ArrayTypeAnnotation")):(i.objectType=r,i.indexType=this.flowParseTyp
e(),this.expect(o.bracketR),n?(i.optional=s,r=this.finishNode(i,"OptionalIndexedAccessType")):r=this.finishNode(i,"
IndexedAccessType"))return r}flowParsePrefixType(){const e=this.startNode();return
this.eat(o.question)?(e.typeAnnotation=this.flowParsePrefixType(),this.finishNode(e,"NullableTypeAnnotation")):th
is.flowParsePostfixType()}flowParseAnonFunctionWithoutParens(){const
e=this.flowParsePrefixType();if(!this.state.noAnonFunctionType&&this.eat(o.arrow)){const
t=this.startNodeAt(e.start,e.loc.start);return
t.params=[this.reinterpretTypeAsFunctionTypeParam(e)],t.rest=null,t.this=null,t.returnType=this.flowParseType(),t
.typeParameters=null,this.finishNode(t,"FunctionTypeAnnotation")}return e}flowParseIntersectionType(){const
e=this.startNode();this.eat(o.bitwiseAND);const
t=this.flowParseAnonFunctionWithoutParens();for(e.types=[t];this.eat(o.bitwiseAND);)e.types.push(this.flowParse
AnonFunctionWithoutParens());return
1===e.types.length?t:this.finishNode(e,"IntersectionTypeAnnotation")}flowParseUnionType(){const
e=this.startNode();this.eat(o.bitwiseOR);const
t=this.flowParseIntersectionType();for(e.types=[t];this.eat(o.bitwiseOR);)e.types.push(this.flowParseIntersectionTy
pe());return 1===e.types.length?t:this.finishNode(e,"UnionTypeAnnotation")}flowParseType(){const
e=this.state.inType;this.state.inType=!0;const t=this.flowParseUnionType();return
this.state.inType=e,this.state.exprAllowed=this.state.exprAllowed||this.state.noAnonFunctionType,t}flowParseType
OrImplicitInstantiation(){if(this.state.type===o.name&&"_"===this.state.value){const
e=this.state.start,t=this.state.startLoc,r=this.parseIdentifier();return this.flowParseGenericType(e,t,r)}return
this.flowParseType()}flowParseTypeAnnotation(){const e=this.startNode();return
e.typeAnnotation=this.flowParseTypeInitialiser(),this.finishNode(e,"TypeAnnotation")}flowParseTypeAnnotatableI
dentifier(e){const t=e?this.parseIdentifier():this.flowParseRestrictedIdentifier();return
this.match(o.colon)&&(t.typeAnnotation=this.flowParseTypeAnnotation(),this.resetEndLocation(t)),t}typeCastToPa
rameter(e){return
e.expression.typeAnnotation=e.typeAnnotation,this.resetEndLocation(e.expression,e.typeAnnotation.end,e.typeAnn
otation.loc.end),e.expression}flowParseVariance(){let e=null;return
this.match(o.plusMin)&&(e=this.startNode(),"+"===this.state.value?e.kind="plus":e.kind="minus",this.next(),this.fi
nishNode(e,"Variance")),e}parseFunctionBody(e,t,r=!1){return
t?this.forwardNoArrowParamsConversionAt(e,()=>super.parseFunctionBody(e,!0,r)):super.parseFunctionBody(e,!1,
r)}parseFunctionBodyAndFinish(e,t,r=!1){if(this.match(o.colon)){const
t=this.startNode();[t.typeAnnotation,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),e.returnType=t.typeA
nnotation?this.finishNode(t,"TypeAnnotation"):null}super.parseFunctionBodyAndFinish(e,t,r)}parseStatement(e,t){

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if(this.state.strict&&this.match(o.name)&&"interface"===this.state.value){ const
e=this.lookahead();if(e.type===o.name||U(e.value)){ const e=this.startNode();return
this.next(),this.flowParseInterface(e) }else if(this.shouldParseEnums()&&this.isContextual("enum")){ const
e=this.startNode();return this.next(),this.flowParseEnumDeclaration(e)}const r=super.parseStatement(e,t);return
void
0!==(this.flowPragma||this.isValidDirective(r)||this.flowPragma=null,r)}parseExpressionStatement(e,t){ if("Identifie
r"===t.type)if("declare"===t.name){ if(this.match(o._class)||this.match(o.name)||this.match(o._function)||this.match(
o._var)||this.match(o._export))return this.flowParseDeclare(e)}else
if(this.match(o.name)){ if("interface"===t.name)return this.flowParseInterface(e);if("type"===t.name)return
this.flowParseTypeAlias(e);if("opaque"===t.name)return this.flowParseOpaqueType(e,!1)}return
super.parseExpressionStatement(e,t)}shouldParseExportDeclaration(){ return
this.isContextual("type")||this.isContextual("interface")||this.isContextual("opaque")||this.shouldParseEnums()&&thi
s.isContextual("enum")||super.shouldParseExportDeclaration()}isExportDefaultSpecifier(){ return(!this.match(o.nam
e)||!("type"===this.state.value||"interface"===this.state.value||"opaque"===this.state.value||this.shouldParseEnums()
&&"enum"===this.state.value))&&super.isExportDefaultSpecifier()}parseExportDefaultExpression(){ if(this.should
ParseEnums()&&this.isContextual("enum")){ const e=this.startNode();return
this.next(),this.flowParseEnumDeclaration(e)}return
super.parseExportDefaultExpression()}parseConditional(e,t,r,n){ if(!this.match(o.question))return e;if(n){ const
i=this.tryParse(=>super.parseConditional(e,t,r));return
i.node?(i.error&&(this.state=i.failState),i.node):(n.start=i.error.pos||this.state.start,e)}this.expect(o.question);const
i=this.state.clone(),s=this.state.noArrowAt,a=this.startNodeAt(t,r);let { consequent:l,failed:c }=this.tryParseCondition
alConsequent(),[p,u]=this.getArrowLikeExpressions(l);if(c||u.length>0){ const
e=[...s];if(u.length>0){ this.state=i,this.state.noArrowAt=e;for(let
t=0;t<u.length;t++)e.push(u[t].start);({ consequent:l,failed:c }=this.tryParseConditionalConsequent()),[p,u]=this.getA
rrowLikeExpressions(l) }c&&p.length>1&&this.raise(i.start,J.AmbiguousConditionalArrow),c&&l===p.length&&
(this.state=i,this.state.noArrowAt=e.concat(p[0].start),({ consequent:l,failed:c }=this.tryParseConditionalConsequent(
))))}return
this.getArrowLikeExpressions(l,!0),this.state.noArrowAt=s,this.expect(o.colon),a.test=e,a.consequent=l,a.alternate=
this.forwardNoArrowParamsConversionAt(a,(=>this.parseMaybeAssign(void 0,void 0,void
0)),this.finishNode(a,"ConditionalExpression"))tryParseConditionalConsequent(){ this.state.noArrowParamsConver
sionAt.push(this.state.start);const e=this.parseMaybeAssignAllowIn(),t=!this.match(o.colon);return
this.state.noArrowParamsConversionAt.pop(),{ consequent:e,failed:t }}getArrowLikeExpressions(e,t){ const
r=[e],n=[];for(;0!==r.length;){ const
e=r.pop();"ArrowFunctionExpression"===e.type?(e.typeParameters||!e.returnType?this.finishArrowValidation(e):n.
push(e),r.push(e.body)):"ConditionalExpression"===e.type&&(r.push(e.consequent),r.push(e.alternate))}return
t?(n.forEach(e=>this.finishArrowValidation(e)),[n,[]]):function(e,t){ const r=[],n=[];for(let
i=0;i<e.length;i++){(t[e[i]],i,e)?r:n).push(e[i]);return[r,n]}(n,e=>e.params.every(e=>this.isAssignable(e,!0)))}finishAr
rowValidation(e){ var t;this.toAssignableList(e.params,null==(t=e.extra)?void
0:t.trailingComma,!1),this.scope.enter(6),super.checkParams(e,!1,!0),this.scope.exit()}forwardNoArrowParamsCon
versionAt(e,t){ let r;return-
1!==(this.state.noArrowParamsConversionAt.indexOf(e.start)?(this.state.noArrowParamsConversionAt.push(this.stat
e.start),r=t(),this.state.noArrowParamsConversionAt.pop()):r=t(),r)}parseParenItem(e,t,r){ if(e=super.parseParenItem
(e,t,r),this.eat(o.question)&&(e.optional=!0,this.resetEndLocation(e)),this.match(o.colon)){ const
n=this.startNodeAt(t,r);return
n.expression=e,n.typeAnnotation=this.flowParseTypeAnnotation(),this.finishNode(n,"TypeCastExpression")}return
e}assertModuleNodeAllowed(e){ "ImportDeclaration"===e.type&&("type"===e.importKind||"typeof"===e.import
Kind)||"ExportNamedDeclaration"===e.type&&"type"===e.exportKind||"ExportAllDeclaration"===e.type&&"type
"===e.exportKind||super.assertModuleNodeAllowed(e)}parseExport(e){ const

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t=super.parseExport(e);return"ExportNamedDeclaration"!==t.type&&"ExportAllDeclaration"!==t.type||(t.exportKind=t.exportKind||"value"),t}parseExportDeclaration(e){if(this.isContextual("type")){e.exportKind="type";const t=this.startNode();return this.next(),this.match(o.braceL)?(e.specifiers=this.parseExportSpecifiers(),this.parseExportFrom(e),null):this.flowParseTypeAlias(t)}if(this.isContextual("opaque")){e.exportKind="type";const t=this.startNode();return this.next(),this.flowParseOpaqueType(t,!1)}if(this.isContextual("interface")){e.exportKind="type";const t=this.startNode();return this.next(),this.flowParseInterface(t)}if(this.shouldParseEnums())&&this.isContextual("enum"){e.exportKind="value";const t=this.startNode();return this.next(),this.flowParseEnumDeclaration(t)}return super.parseExportDeclaration(e)}eatExportStar(e){return!!super.eatExportStar(...arguments)||(!this.isContextual("type")||this.lookahead().type!==o.star)&&(e.exportKind="type",this.next(),this.next(),!0)}maybeParseExportNamespaceSpecifier(e){const t=this.state.start,r=super.maybeParseExportNamespaceSpecifier(e);return r&&"type"===e.exportKind&&this.unexpected(t,r)}parseClassId(e,t,r){super.parseClassId(e,t,r),this.isRelational("<")&&(e.typeParameters=this.flowParseTypeParameterDeclaration())}parseClassMember(e,t,r){const n=this.state.start;if(this.isContextual("declare")){if(this.parseClassMemberFromModifier(e,t))return;t.declare=!0}super.parseClassMember(e,t,r),t.declare&&("ClassProperty"!==t.type&&"ClassPrivateProperty"!==t.type&&"PropertyDefinition"!==t.type?this.raise(n,J.DeclareClassElement):t.value&&this.raise(t.value.start,J.DeclareClassFieldInitializer))}isIterator(e){return"iterator"===e||"asyncIterator"===e}readIterator(){const e=super.readWord1(),t="@@"+e;this.isIterator(e)&&this.state.inType||this.raise(this.state.pos,T.InvalidIdentifier,t),this.finishToken(o.name,t)}getTokenFromCode(e){const t=this.input.charCodeAt(this.state.pos+1);return 123===e&&124===t?this.finishOp(o.braceBarL,2):!this.state.inType||62!==e&&60!==e?this.state.inType&&63===e?46===t?this.finishOp(o.questionDot,2):this.finishOp(o.question,1):function(e,t){return 64===e&&64===t}(e,t)?(this.state.pos+=2,this.readIterator()):super.getTokenFromCode(e):this.finishOp(o.relational,1)}isAssignable(e,t){switch(e.type){case"Identifier":case"ObjectPattern":case"ArrayPattern":case"AssignmentPattern":return!0;case"ObjectExpression":{const t=e.properties.length-1;return e.properties.every((e,r)=>"ObjectMethod"!==e.type&&(r===t||"SpreadElement"===e.type)&&this.isAssignable(e))}case"ObjectProperty":return this.isAssignable(e.value);case"SpreadElement":return this.isAssignable(e.argument);case"ArrayExpression":return e.elements.every(e=>this.isAssignable(e));case"AssignmentExpression":return"="===e.operator;case"ParenthesizedExpression":case"TypeCastExpression":return this.isAssignable(e.expression);case"MemberExpression":case"OptionalMemberExpression":return!t;default:return!1}}toAssignable(e,t=!1){return"TypeCastExpression"===e.type?super.toAssignable(this.typeCastToParameter(e,t):super.toAssignable(e,t))toAssignableList(e,t,r){for(let t=0;t<e.length;t++){const r=e[t];"TypeCastExpression"===e&&(null===r?void 0:r.type)&&(e[t]=this.typeCastToParameter(r))}return super.toAssignableList(e,t,r)}toReferencedList(e,t){for(let n=0;n<e.length;n++){var r;const i=e[n];!i||"TypeCastExpression"!==i.type||null!=(r=i.extra)&&r.parenthesized||!(e.length>1)&&t||this.raise(i.typeAnnotation.start,J.TypeCastInParameter)}return e}parseArrayLike(e,t,r,n){const i=super.parseArrayLike(e,t,r,n);return t&&!this.state.maybeInArrowParameters&&this.toReferencedList(i.elements,i)}checkLVal(e,...t){if("TypeCastExpression"!==e.type)return super.checkLVal(e,...t)}parseClassProperty(e){return this.match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),super.parseClassProperty(e)}parseClassPrivateProperty(e){return this.match(o.colon)&&(e.typeAnnotation=this.flowParseTypeAnnotation()),super.parseClassPrivateProperty(e)}isClassMethod(){return this.isRelational("<")||super.isClassMethod()}isClassProperty(){return this.match(o.colon)||super.isClassProperty()}isNonstaticConstructor(e){return!this.match(o.colon)&&super.isNonstaticConstructor(e)}pushClassMethod(e,t,r,n,i,s){if(t.variance&&this.unexpected(t.variance.start),delete t.variance,this.isRelational("<")&&(t.typeParameters=this.flowParseTypeParameterDeclaration()),super.pushClassMethod(e,t,r,n,i,s),t.params&&i){const e=t.params;e.length>0&&this.isThisParam(e[0])&&this.raise(t.start,J.ThisParamBannedInConstructor)}else

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if("MethodDefinition"===t.type&&i&&t.value.params){const
e=t.value.params;e.length>0&&this.isThisParam(e[0])&&this.raise(t.start,J.ThisParamBannedInConstructor)}}push
ClassPrivateMethod(e,t,r,n){t.variance&&this.unexpected(t.variance.start),delete
t.variance,this.isRelational("<")&&(t.typeParameters=this.flowParseTypeParameterDeclaration()),super.pushClassP
rivateMethod(e,t,r,n)}parseClassSuper(e){if(super.parseClassSuper(e),e.superClass&&this.isRelational("<")&&(e.s
uperTypeParameters=this.flowParseTypeParameterInstantiation()),this.isContextual("implements")){this.next();cons
t t=e.implements=[];do{const
e=this.startNode();e.id=this.flowParseRestrictedIdentifier(!0),this.isRelational("<")?e.typeParameters=this.flowPars
eTypeParameterInstantiation():e.typeParameters=null,t.push(this.finishNode(e,"ClassImplements"))}while(this.eat(o
.comma))}checkGetterSetterParams(e){super.checkGetterSetterParams(e);const
t=this.getObjectOrClassMethodParams(e);if(t.length>0){const
r=t[0];this.isThisParam(r)&&"get"===e.kind?this.raise(r.start,J.GetterMayNotHaveThisParam):this.isThisParam(r)
&&this.raise(r.start,J.SetterMayNotHaveThisParam)}parsePropertyName(e,t){const
r=this.flowParseVariance(),n=super.parsePropertyName(e,t);return
e.variance=r,n}parseObjPropValue(e,t,r,n,i,s,a,l){let c;e.variance&&this.unexpected(e.variance.start),delete
e.variance,this.isRelational("<")&&!a&&(c=this.flowParseTypeParameterDeclaration(),this.match(o.parenL)||this.u
nexpected()),super.parseObjPropValue(e,t,r,n,i,s,a,l),c&&((e.value||e).typeParameters=c)}parseAssignableListItemT
ypes(e){return
this.eat(o.question)&&("Identifier"!===e.type&&this.raise(e.start,J.OptionalBindingPattern),this.isThisParam(e)&&t
his.raise(e.start,J.ThisParamMayNotBeOptional),e.optional=!0),this.match(o.colon)?e.typeAnnotation=this.flowPars
eTypeAnnotation():this.isThisParam(e)&&this.raise(e.start,J.ThisParamAnnotationRequired),this.match(o.eq)&&thi
s.isThisParam(e)&&this.raise(e.start,J.ThisParamNoDefault),this.resetEndLocation(e),e)}parseMaybeDefault(e,t,r){c
onst
n=super.parseMaybeDefault(e,t,r);return"AssignmentPattern"===n.type&&n.typeAnnotation&&n.right.start<n.type
Annotation.start&&this.raise(n.typeAnnotation.start,J.TypeBeforeInitializer,n)}shouldParseDefaultImport(e){return
H(e)?G(this.state):super.shouldParseDefaultImport(e)}parseImportSpecifierLocal(e,t,r,n){t.local=H(e)?this.flowPars
eRestrictedIdentifier(!0,!0):this.parseIdentifier(),this.checkLVal(t.local,n,9),e.specifiers.push(this.finishNode(t,r))}m
aybeParseDefaultImportSpecifier(e){e.importKind="value";let
t=null;if(this.match(o._typeof)?t="typeof":this.isContextual("type")&&(t="type"),t){const
r=this.lookahead();"type"===t&&r.type===o.star&&this.unexpected(r.start),(G(r)||r.type===o.braceL||r.type===o.st
ar)&&(this.next(),e.importKind=t)}return
super.maybeParseDefaultImportSpecifier(e)}parseImportSpecifier(e){const
t=this.startNode(),r=this.state.start,n=this.parseModuleExportName();let
i=null;"Identifier"===n.type&&("type"===n.name?i="type":"typeof"===n.name&&(i="typeof"));let
s=!1;if(this.isContextual("as")&&!this.isLookaheadContextual("as")){const
e=this.parseIdentifier(!0);null===i||this.match(o.name)||this.state.type.keyword?(t.imported=e,t.importKind=null,t.lo
cal=this.parseIdentifier():t.imported=e,t.importKind=i,t.local=e.__clone())}else
if(null!==i&&(this.match(o.name)||this.state.type.keyword))t.imported=this.parseIdentifier(!0),t.importKind=i,this.e
atContextual("as"?t.local=this.parseIdentifier():s=!0,t.local=t.imported.__clone());else{if("StringLiteral"===n.type
)throw
this.raise(t.start,T.ImportBindingIsString,n.value);s=!0,t.imported=n,t.importKind=null,t.local=t.imported.__clone()
}const
a=H(e),l=H(t);a&&l&&this.raise(r,J.ImportTypeShorthandOnlyInPureImport),(a||l)&&this.checkReservedType(t.lo
cal.name,t.local.start,!0),!s||a||l||this.checkReservedWord(t.local.name,t.start,!0,!0),this.checkLVal(t.local,"import
specifier",9),e.specifiers.push(this.finishNode(t,"ImportSpecifier"))}parseBindingAtom(){switch(this.state.type){cas
e o._this:return this.parseIdentifier(!0);default:return super.parseBindingAtom()}}parseFunctionParams(e,t){const
r=e.kind;"get"!==r&&"set"!==r&&this.isRelational("<")&&(e.typeParameters=this.flowParseTypeParameterDecla
ration()),super.parseFunctionParams(e,t)}parseVarId(e,t){super.parseVarId(e,t),this.match(o.colon)&&(e.id.typeAnn

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otation=this.flowParseTypeAnnotation(),this.resetEndLocation(e.id))}parseAsyncArrowFromCallExpression(e,t){if
(this.match(o.colon)){const
t=this.state.noAnonFunctionType;this.state.noAnonFunctionType=!0,e.returnType=this.flowParseTypeAnnotation()
,this.state.noAnonFunctionType=t}return
super.parseAsyncArrowFromCallExpression(e,t)}shouldParseAsyncArrow(){return
this.match(o.colon)||super.shouldParseAsyncArrow()}parseMaybeAssign(e,t,r){var n;let
i,s=null;if(this.hasPlugin("jsx")&&(this.match(o.jsxTagStart)||this.isRelational("<"))){if(s=this.state.clone(),i=this.tr
yParse(=>super.parseMaybeAssign(e,t,r),s),!i.error)return i.node;const{context:n}=this.state;n[n.length-
1]===x.j_oTag?n.length-=2:n[n.length-1]===x.j_expr&&(n.length-
=1)}if(null!=(n=i)&&n.error||this.isRelational("<")){var a,l;let n;s=s||this.state.clone();const o=this.tryParse(i=>{var
s;n=this.flowParseTypeParameterDeclaration();const a=this.forwardNoArrowParamsConversionAt(n,=>{const
i=super.parseMaybeAssign(e,t,r);return
this.resetStartLocationFromNode(i,n,i)};"ArrowFunctionExpression"!==a.type&&null!=(s=a.extra)&&s.parenthesi
zed&&i);const o=this.maybeUnwrapTypeCastExpression(a);return
o.typeParameters=n,this.resetStartLocationFromNode(o,n,a),s);let
c=null;if(o.node&&"ArrowFunctionExpression"===this.maybeUnwrapTypeCastExpression(o.node).type){if(!o.erro
r&&!o.aborted)return
o.node.async&&this.raise(n.start,J.UnexpectedTypeParameterBeforeAsyncArrowFunction),o.node;c=o.node}if(null
!=(a=i)&&a.node)return this.state=i.failState,i.node;if(c)return
this.state=o.failState,c;if(null!=(l=i)&&l.thrown)throw i.error;if(o.thrown)throw o.error;throw
this.raise(n.start,J.UnexpectedTokenAfterTypeParameter)}return
super.parseMaybeAssign(e,t,r)}parseArrow(e){if(this.match(o.colon)){const t=this.tryParse(=>{const
t=this.state.noAnonFunctionType;this.state.noAnonFunctionType=!0;const
r=this.startNode();return[r.typeAnnotation,e.predicate]=this.flowParseTypeAndPredicateInitialiser(),this.state.noAn
onFunctionType=t,this.canInsertSemicolon()&&this.unexpected(),this.match(o.arrow)||this.unexpected(),r)};if(t.thro
wn)return
null;t.error&&(this.state=t.failState),e.returnType=t.node.typeAnnotation?this.finishNode(t.node,"TypeAnnotation")
:null}return super.parseArrow(e)}shouldParseArrow(){return
this.match(o.colon)||super.shouldParseArrow()}setArrowFunctionParameters(e,t){-
1!==this.state.noArrowParamsConversionAt.indexOf(e.start)?e.params=t:super.setArrowFunctionParameters(e,t)}c
heckParams(e,t,r){if(!r|-1===this.state.noArrowParamsConversionAt.indexOf(e.start)){for(let
t=0;t<e.params.length;t++)this.isThisParam(e.params[t])&&t>0&&this.raise(e.params[t].start,J.ThisParamMustBeFi
rst);return super.checkParams(...arguments)}}parseParenAndDistinguishExpression(e){return
super.parseParenAndDistinguishExpression(e&&-
1===this.state.noArrowAt.indexOf(this.state.start))}parseSubscripts(e,t,r,n){if("Identifier"===e.type&&"async"===
e.name&&-1!==this.state.noArrowAt.indexOf(t)){this.next();const
n=this.startNodeAt(t,r);n.callee=e,n.arguments=this.parseCallExpressionArguments(o.parenR,!1),e=this.finishNode(
n,"CallExpression")}else if("Identifier"===e.type&&"async"===e.name&&this.isRelational("<")){const
i=this.state.clone(),s=this.tryParse(e=>this.parseAsyncArrowWithTypeParameters(t,r)||e),i;if(!s.error&&!s.aborted)
return s.node;const a=this.tryParse(=>super.parseSubscripts(e,t,r,n),i);if(a.node&&!a.error)return
a.node;if(s.node)return this.state=s.failState,s.node;if(a.node)return this.state=a.failState,a.node;throw
s.error||a.error}return
super.parseSubscripts(e,t,r,n)}parseSubscript(e,t,r,n,i){if(this.match(o.questionDot)&&this.isLookaheadToken_It())
{if(i.optionalChainMember=!0,n)return i.stop=!0,e;this.next();const s=this.startNodeAt(t,r);return
s.callee=e,s.typeArguments=this.flowParseTypeParameterInstantiation(),this.expect(o.parenL),s.arguments=this.par
seCallExpressionArguments(o.parenR,!1),s.optional=!0,this.finishCallExpression(s,!0)}if(!n&&this.shouldParseTyp
es()&&this.isRelational("<")){const n=this.startNodeAt(t,r);n.callee=e;const
s=this.tryParse(=>(n.typeArguments=this.flowParseTypeParameterInstantiationCallOrNew(),this.expect(o.parenL)

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,n.arguments=this.parseCallExpressionArguments(o.parenR,!1),i.optionalChainMember&&(n.optional=!1),this.finishCallExpression(n,i.optionalChainMember));if(s.node)return s.error&&(this.state=s.failState),s.node}return super.parseSubscript(e,t,r,n,i)}parseNewArguments(e){let t=null;this.shouldParseTypes()&&this.isRelational("<")&&(t=this.tryParse(=>this.flowParseTypeParameterInstantiationCallOrNew()).node),e.typeArguments=t,super.parseNewArguments(e)}parseAsyncArrowWithTypeParameters(e,t){const r=this.startNodeAt(e,t);if(this.parseFunctionParams(r),this.parseArrow(r))return this.parseArrowExpression(r,void 0,!0)}readToken_mult_modulo(e){const t=this.input.charCodeAt(this.state.pos+1);if(42===e&&47===t&&this.state.hasFlowComment)return this.state.hasFlowComment=!1,this.state.pos+=2,void this.nextToken();super.readToken_mult_modulo(e)}readToken_pipe_amp(e){const t=this.input.charCodeAt(this.state.pos+1);124!==(e||125!==(t?super.readToken_pipe_amp(e):this.finishOp(o.braceBarR,2))}parseTopLevel(e,t){const r=super.parseTopLevel(e,t);return this.state.hasFlowComment&&this.raise(this.state.pos,J.UnterminatedFlowComment),r}skipBlockComment(){if(this.state.hasPlugin("flowComments")&&this.skipFlowComment())return this.state.hasFlowComment&&this.unexpected(null,J.NestedFlowComment),this.state.hasFlowCommentCompletion(),this.state.pos+=this.skipFlowComment(),void(this.state.hasFlowComment=!0);if(this.state.hasFlowComment){const e=this.input.indexOf("*/",this.state.pos+=2);if(-1===e)throw this.raise(this.state.pos-2,T.UnterminatedComment);this.state.pos=e+3}else super.skipBlockComment()}skipFlowComment(){const{pos:e}=this.state;let t=2;for(;[32,9].includes(this.input.charCodeAt(e+t));)t++;const r=this.input.charCodeAt(t+e),n=this.input.charCodeAt(t+e+1);return 58===r&&58===n?t+2:"flow-include"===this.input.slice(t+e,t+e+12)?t+12:58===r&&58!==(n&&t)}hasFlowCommentCompletion(){if(-1===this.input.indexOf("*/",this.state.pos))throw this.raise(this.state.pos,T.UnterminatedComment)}flowEnumErrorBooleanMemberNotInitialized(e,{enumName:t,memberName:r}){this.raise(e,J.EnumBooleanMemberNotInitialized,r,t)}flowEnumErrorInvalidMemberName(e,{enumName:t,memberName:r}){const n=r[0].toUpperCase()+r.slice(1);this.raise(e,J.EnumInvalidMemberName,r,n,t)}flowEnumErrorDuplicateMemberName(e,{enumName:t,memberName:r}){this.raise(e,J.EnumDuplicateMemberName,r,t)}flowEnumErrorInconsistentMemberValues(e,{enumName:t}){this.raise(e,J.EnumInconsistentMemberValues,t)}flowEnumErrorInvalidExplicitType(e,{enumName:t,suppliedType:r}){return this.raise(e,null===r?J.EnumInvalidExplicitTypeUnknownSupplied:J.EnumInvalidExplicitType,t,r)}flowEnumErrorInvalidMemberInitializer(e,{enumName:t,explicitType:r,memberName:n}){let i=null;switch(r){case"boolean":case"number":case"string":i=J.EnumInvalidMemberInitializerPrimaryType;break;case"symbol":i=J.EnumInvalidMemberInitializerSymbolType;break;default:i=J.EnumInvalidMemberInitializerUnknownType}return this.raise(e,i,t,n,r)}flowEnumErrorNumberMemberNotInitialized(e,{enumName:t,memberName:r}){this.raise(e,J.EnumNumberMemberNotInitialized,t,r)}flowEnumErrorStringMemberInconsistentlyInitailized(e,{enumName:t}){this.raise(e,J.EnumStringMemberInconsistentlyInitailized,t)}flowEnumMemberInit(){const e=this.state.start,t=(==>this.match(o.comma)||this.match(o.braceR));switch(this.state.type){case o.num:{const r=this.parseLiteral(this.state.value,"NumericLiteral");return t()?{type:"number",pos:r.start,value:r}:{type:"invalid",pos:e}}case o.string:{const r=this.parseLiteral(this.state.value,"StringLiteral");return t()?{type:"string",pos:r.start,value:r}:{type:"invalid",pos:e}}case o._true:case o._false:{const r=this.parseBooleanLiteral();return t()?{type:"boolean",pos:r.start,value:r}:{type:"invalid",pos:e}}default:return{type:"invalid",pos:e}}flowEnumMemberRaw(){const e=this.state.start;return{id:this.parseIdentifier(!0),init:this.eat(o.eq)?this.flowEnumMemberInit():{type:"none",pos:e}}}}flowEnumCheckExplicitTypeMismatch(e,t,r){const{explicitType:n}=t,null!==(n&&n!==(r&&this.flowEnumError

```



```

rInvalidMemberInitializer(e,t)}flowEnumMembers({enumName:e,explicitType:t}){const r=new
Set,n={booleanMembers:[],numberMembers:[],stringMembers:[],defaultedMembers:[]};let
i=1;for(;!this.match(o.braceR);){if(this.eat(o.ellipsis)){i=!0;break}const
s=this.startNode(),{id:a,init:l}=this.flowEnumMemberRaw(),c=a.name;if(""===c)continue; /^[a-
z]/.test(c)&&this.flowEnumErrorInvalidMemberName(a.start,{enumName:e,memberName:c}),r.has(c)&&this.flow
EnumErrorDuplicateMemberName(a.start,{enumName:e,memberName:c}),r.add(c);const
p={enumName:e,explicitType:t,memberName:c};switch(s.id=a,l.type){case"boolean":this.flowEnumCheckExplicit
TypeMismatch(l.pos,p,"boolean"),s.init=l.value,n.booleanMembers.push(this.finishNode(s,"EnumBooleanMember"
));break;case"number":this.flowEnumCheckExplicitTypeMismatch(l.pos,p,"number"),s.init=l.value,n.numberMemb
ers.push(this.finishNode(s,"EnumNumberMember"));break;case"string":this.flowEnumCheckExplicitTypeMismatc
h(l.pos,p,"string"),s.init=l.value,n.stringMembers.push(this.finishNode(s,"EnumStringMember"));break;case"invalid
":throw
this.flowEnumErrorInvalidMemberInitializer(l.pos,p);case"none":switch(t){case"boolean":this.flowEnumErrorBoo
leanMemberNotInitialized(l.pos,p);break;case"number":this.flowEnumErrorNumberMemberNotInitialized(l.pos,p);b
reak;default:n.defaultedMembers.push(this.finishNode(s,"EnumDefaultedMember"))}this.match(o.braceR)||this.ex
pect(o.comma)}return{members:n,hasUnknownMembers:i}}flowEnumStringMembers(e,t,{enumName:r}){if(0===
e.length)return t;if(0===t.length)return e;if(t.length>e.length){for(const t of
e)this.flowEnumErrorStringMemberInconsistentlyInitailized(t.start,{enumName:r});return t}for(const e of
t)this.flowEnumErrorStringMemberInconsistentlyInitailized(e.start,{enumName:r});return
e}flowEnumParseExplicitType({enumName:e}){if(this.eatContextual("of")){if(!this.match(o.name))throw
this.flowEnumErrorInvalidExplicitType(this.state.start,{enumName:e,suppliedType:null});const{value:t}=this.state;
return
this.next(),"boolean"!==t&&"number"!==t&&"string"!==t&&"symbol"!==t&&this.flowEnumErrorInvalidExplicit
Type(this.state.start,{enumName:e,suppliedType:t}),t}return
null}flowEnumBody(e,{enumName:t,nameLoc:r}){const
n=this.flowEnumParseExplicitType({enumName:t});this.expect(o.braceL);const{members:i,hasUnknownMembers:
s}=this.flowEnumMembers({enumName:t,explicitType:n});switch(e.hasUnknownMembers=s,n){case"boolean":ret
urn
e.explicitType=!0,e.members=i.booleanMembers,this.expect(o.braceR),this.finishNode(e,"EnumBooleanBody");cas
e"number":return
e.explicitType=!0,e.members=i.numberMembers,this.expect(o.braceR),this.finishNode(e,"EnumNumberBody");cas
e"string":return
e.explicitType=!0,e.members=this.flowEnumStringMembers(i.stringMembers,i.defaultedMembers,{enumName:t}),
this.expect(o.braceR),this.finishNode(e,"EnumStringBody");case"symbol":return
e.members=i.defaultedMembers,this.expect(o.braceR),this.finishNode(e,"EnumSymbolBody");default:{const
n=()=>(e.members=[],this.expect(o.braceR),this.finishNode(e,"EnumStringBody"));e.explicitType=!1;const
s=i.booleanMembers.length,a=i.numberMembers.length,l=i.stringMembers.length,c=i.defaultedMembers.length;if(s
||a||l||c){if(s||a){if(!a&&!l&&s>=c){for(const e of
i.defaultedMembers)this.flowEnumErrorBooleanMemberNotInitialized(e.start,{enumName:t,memberName:e.id.name
});return
e.members=i.booleanMembers,this.expect(o.braceR),this.finishNode(e,"EnumBooleanBody")}if(!s&&!l&&a>=c){f
or(const e of
i.defaultedMembers)this.flowEnumErrorNumberMemberNotInitialized(e.start,{enumName:t,memberName:e.id.name
});return
e.members=i.numberMembers,this.expect(o.braceR),this.finishNode(e,"EnumNumberBody")}return
this.flowEnumErrorInconsistentMemberValues(r,{enumName:t}),n()}return
e.members=this.flowEnumStringMembers(i.stringMembers,i.defaultedMembers,{enumName:t}),this.expect(o.brace
R),this.finishNode(e,"EnumStringBody")}return n()}}flowParseEnumDeclaration(e){const
t=this.parseIdentifier();return

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e.id=t,e.body=this.flowEnumBody(this.startNode(),{enumName:t.name,nameLoc:t.start}),this.finishNode(e,"Enum
Declaration"))updateContext(e){this.match(o.name)&&"of"===this.state.value&&e===o.name&&"interface"===t
his.input.slice(this.state.lastTokStart,this.state.lastTokEnd)?this.state.exprAllowed=!1:super.updateContext(e)}isLoo
kaheadToken_lt(){const e=this.nextTokenStart();if(60===this.input.charCodeAt(e)){const
t=this.input.charCodeAt(e+1);return
60!==t&&61!==t}return!1}maybeUnwrapTypeCastExpression(e){return"TypeCastExpression"===e.type?e.express
ion:e},typescript:e=>class extends e{getScopeHandler(){return se}tsIsIdentifier(){return
this.match(o.name)}tsTokenCanFollowModifier(){return(this.match(o.bracketL)||this.match(o.braceL)||this.match(o.
star)||this.match(o.ellipsis)||this.match(o.privateName)||this.isLiteralPropertyName())&&!this.hasPrecedingLineBrea
k()}tsNextTokenCanFollowModifier(){return
this.next(),this.tsTokenCanFollowModifier()}tsParseModifier(e){if(!this.match(o.name))return;const
t=this.state.value;return-1!==e.indexOf(t)&&this.tsTryParse(this.tsNextTokenCanFollowModifier.bind(this))?t:void
0}tsParseModifiers(e,t,r,n){const
i=(t,r,n,i)=>{r===n&&e[i]&&this.raise(t,pe.InvalidModifiersOrder,n,i)},s=(t,r,n,i)=>{(e[n]&&r===i||e[i]&&r===n)
&&this.raise(t,pe.IncompatibleModifiers,n,i)};for(;;){const
a=this.state.start,o=this.tsParseModifier(t.concat(null!=r?r:[]));if(!o)break;ue(o)?e.accessibility?this.raise(a,pe.Dupli
cateAccessibilityModifier):(i(a,o,o,"override"),i(a,o,o,"static"),e.accessibility=o):(Object.hasOwnProperty.call(e,o)?t
his.raise(a,pe.DuplicateModifier,o):(i(a,o,"static","readonly"),i(a,o,"static","override"),i(a,o,"override","readonly"),i(
a,o,"abstract","override"),s(a,o,"declare","override"),s(a,o,"static","abstract")),e[o]=!0,null!=r&&r.includes(o)&&th
is.raise(a,n,o)}tsIsListTerminator(e){switch(e){case"EnumMembers":case"TypeMembers":return
this.match(o.braceR);case"HeritageClauseElement":return this.match(o.braceL);case"TupleElementTypes":return
this.match(o.bracketR);case"TypeParametersOrArguments":return this.isRelational(">")}throw new
Error("Unreachable")}tsParseList(e,t){const r=[];for(;!this.tsIsListTerminator(e);r.push(t));return
r}tsParseDelimitedList(e,t){return
le(this.tsParseDelimitedListWorker(e,t,!0))}tsParseDelimitedListWorker(e,t,r){const
n=[];for(;!this.tsIsListTerminator(e);){const
i=t();if(null==i)return;if(n.push(i),!this.eat(o.comma)){if(this.tsIsListTerminator(e))break;return
void(r&&this.expect(o.comma))}}return
n}tsParseBracketedList(e,t,r,n){n||r?this.expect(o.bracketL):this.expectRelational("<");const
i=this.tsParseDelimitedList(e,t);return
r?this.expect(o.bracketR):this.expectRelational(">"),i}tsParseImportType(){const e=this.startNode();return
this.expect(o._import),this.expect(o.parenL),this.match(o.string)||this.raise(this.state.start,pe.UnsupportedImportTyp
eArgument),e.argument=this.parseExprAtom(),this.expect(o.parenR),this.eat(o.dot)&&(e.qualifier=this.tsParseEntit
yName(!0)),this.isRelational("<")&&(e.typeParameters=this.tsParseTypeArguments()),this.finishNode(e,"TSImport
Type")}tsParseEntityName(e){let t=this.parseIdentifier();for(;this.eat(o.dot);){const
r=this.startNodeAtNode(t);r.left=t,r.right=this.parseIdentifier(e),t=this.finishNode(r,"TSQualifiedName")}return
t}tsParseTypeReference(){const e=this.startNode();return
e.typeName=this.tsParseEntityName(!1,!this.hasPrecedingLineBreak())&&this.isRelational("<")&&(e.typeParamet
ers=this.tsParseTypeArguments()),this.finishNode(e,"TSTypeReference")}tsParseThisTypePredicate(e){this.next();
const t=this.startNodeAtNode(e);return
t.parameterName=e,t.typeAnnotation=this.tsParseTypeAnnotation(!1),t.asserts=!1,this.finishNode(t,"TSTypePredica
te")}tsParseThisTypeNode(){const e=this.startNode();return
this.next(),this.finishNode(e,"TSThisType")}tsParseTypeQuery(){const e=this.startNode();return
this.expect(o._typeof),this.match(o._import)?e.exprName=this.tsParseImportType():e.exprName=this.tsParseEntity
Name(!0),this.finishNode(e,"TSTypeQuery")}tsParseTypeParameter(){const e=this.startNode();return
e.name=this.parseIdentifierName(e.start),e.constraint=this.tsEatThenParseType(o._extends),e.default=this.tsEatThe
nParseType(o.eq),this.finishNode(e,"TSTypeParameter")}tsTryParseTypeParameters(){if(this.isRelational("<"))retu
rn this.tsParseTypeParameters()}tsParseTypeParameters(){const e=this.startNode();return

```

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this.isRelational("<")||this.match(o.jsxTagStart)?this.next():this.unexpected(),e.params=this.tsParseBracketedList("TypeParametersOrArguments",this.tsParseTypeParameter.bind(this),!1,!0),0===e.params.length&&this.raise(e.start,pe.EmptyTypeParameters),this.finishNode(e,"TSTypeParameterDeclaration")}tsTryNextParseConstantContext(){return this.lookahead().type===o._const?(this.next(),this.tsParseTypeReference()):null}tsFillSignature(e,t){const r=e===o.arrow;t.typeParameters=this.tsTryParseTypeParameters(),this.expect(o.parenL),t.parameters=this.tsParseBindingListForSignature(),(r||this.match(e))&&(t.typeAnnotation=this.tsParseTypeOrTypePredicateAnnotation(e))}tsParseBindingListForSignature(){return this.parseBindingList(o.parenR,41).map(e=>("Identifier"!==e.type&&"RestElement"!==e.type&&"ObjectPattern"!==e.type&&"ArrayPattern"!==e.type&&this.raise(e.start,pe.UnsupportedSignatureParameterKind,e.type),e))}tsParseTypeMemberSemicolon(){this.eat(o.comma)||this.isLineTerminator()||this.expect(o.semi)}tsParseSignatureMember(e,t){return this.tsFillSignature(o.colon,t),this.tsParseTypeMemberSemicolon(),this.finishNode(t,e)}tsIsUnambiguouslyIndexSignature(){return this.next(),this.eat(o.name)&&this.match(o.colon)}tsTryParseIndexSignature(e){if(!this.match(o.bracketL)||!this.tsLookAhead(this.tsIsUnambiguouslyIndexSignature.bind(this)))return;this.expect(o.bracketL);const t=this.parseIdentifier();t.typeAnnotation=this.tsParseTypeAnnotation(),this.resetEndLocation(t),this.expect(o.bracketR),e.parameters=[t];const r=this.tsTryParseTypeAnnotation();return r&&(e.typeAnnotation=r),this.tsParseTypeMemberSemicolon(),this.finishNode(e,"TSIndexSignature")}tsParsePropertyOrMethodSignature(e,t){this.eat(o.question)&&(e.optional=!0);const r=e;if(this.match(o.parenL)||this.isRelational("<")){t&&this.raise(e.start,pe.ReadOnlyForMethodSignature);const n=r;if(n.kind&&this.isRelational("<")&&this.raise(this.state.pos,pe.AccessorCannotHaveTypeParameters),this.tsFillSignature(o.colon,n),this.tsParseTypeMemberSemicolon(),"get"===n.kind)n.parameters.length>0&&(this.raise(this.state.pos,T.BadGetterArity),this.isThisParam(n.parameters[0])&&this.raise(this.state.pos,pe.AccessorCannotDeclareThisParameter));else if("set"===n.kind){if(1!==n.parameters.length)this.raise(this.state.pos,T.BadSetterArity);else{const e=n.parameters[0];this.isThisParam(e)&&this.raise(this.state.pos,pe.AccessorCannotDeclareThisParameter),"Identifier"===e.type&&e.optional&&this.raise(this.state.pos,pe.SetAccessorCannotHaveOptionalParameter),"RestElement"===e.type&&this.raise(this.state.pos,pe.SetAccessorCannotHaveRestParameter)}n.typeAnnotation&&this.raise(n.typeAnnotation.start,pe.SetAccessorCannotHaveReturnType)}else n.kind="method";return this.finishNode(n,"TSMethodSignature")}{const e=r;t&&(e.readonly=!0);const n=this.tsTryParseTypeAnnotation();return n&&(e.typeAnnotation=n),this.tsParseTypeMemberSemicolon(),this.finishNode(e,"TSPropertySignature")}}tsParseTypeMember(){const e=this.startNode();if(this.match(o.parenL)||this.isRelational("<"))return this.tsParseSignatureMember("TSCallSignatureDeclaration",e);if(this.match(o._new)){const t=this.startNode();return this.next(),this.match(o.parenL)||this.isRelational("<")?this.tsParseSignatureMember("TSConstructSignatureDeclaration",e):(e.key=this.createIdentifier(t,"new"),this.tsParsePropertyOrMethodSignature(e,!1))}this.tsParseModifiers(e,["readonly"],["declare","abstract","private","protected","public","static","override"],pe.InvalidModifierOnTypeMember);const t=this.tsTryParseIndexSignature(e);return t||(this.parsePropertyName(e,!1),e.computed||"Identifier"!==e.key.type||"get"===e.key.name&&"set"===e.key.name||!this.tsTokenCanFollowModifier()||(e.kind=e.key.name,this.parsePropertyName(e,!1)),this.tsParsePropertyOrMethodSignature(e,!e.readonly))}tsParseTypeLiteral(){const e=this.startNode();return e.members=this.tsParseObjectTypeMembers(),this.finishNode(e,"TSTypeLiteral")}tsParseObjectTypeMembers(){this.expect(o.braceL);const e=this.tsParseList("TypeMembers",this.tsParseTypeMember.bind(this));return this.expect(o.braceR),e}tsIsStartOfMappedType(){return this.next(),this.eat(o.plusMin)?this.isContextual("readonly"):(this.isContextual("readonly")&&this.next(),!this.match(o.bracketL)&&(this.next(),!this.tsIsIdentifier())&&(this.next(),this.match(o._in))))}tsParseMappedTypeParameter(){const e=this.startNode();return

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```

e.name=this.parseIdentifierName(e.start),e.constraint=this.tsExpectThenParseType(o._in),this.finishNode(e,"TSTypeParameter")})tsParseMappedType(){const e=this.startNode();return
this.expect(o.braceL),this.match(o.plusMin)?(e.readonly=this.state.value,this.next(),this.expectContextual("readonly")):this.eatContextual("readonly")&&(e.readonly=!0),this.expect(o.bracketL),e.typeParameter=this.tsParseMappedTypeParameter(),e.nameType=this.eatContextual("as")?this.tsParseType():null,this.expect(o.bracketR),this.match(o.plusMin)?(e.optional=this.state.value,this.next(),this.expect(o.question)):this.eat(o.question)&&(e.optional=!0),e.typeAnnotation=this.tsTryParseType(),this.semicolon(),this.expect(o.braceR),this.finishNode(e,"TSMappedType")})tsParseTupleType(){const
e=this.startNode();e.elementTypes=this.tsParseBracketedList("TupleElementTypes",this.tsParseTupleElementType.bind(this),!0,!1);let t=!1,r=null;return e.elementTypes.forEach(e=>{var
n;let{type:i}=e;!t||"TSRestType"===i||"TSOptionalType"===i||"TSNamedTupleMember"===i&&e.optional||this.raise(e.start,pe.OptionalTypeBeforeRequired),t=t||"TSNamedTupleMember"===i&&e.optional||"TSOptionalType"===i,"TSRestType"===i&&(i=(e=e.typeAnnotation).type);const
s="TSNamedTupleMember"===i;r=null!=(n=r)?n:s,r!=""&&this.raise(e.start,pe.MixedLabeledAndUnlabeledElements)),this.finishNode(e,"TSTupleType")})tsParseTupleElementType(){const{start:e,startLoc:t}=this.state,r=this.eat(o.ellipsis);let n=this.tsParseType();const i=this.eat(o.question);if(this.eat(o.colon)){const
e=this.startNodeAtNode(n);e.optional=i,"TSTypeReference"!==n.type||n.typeParameters||"Identifier"!==n.typeName.type?(this.raise(n.start,pe.InvalidTupleMemberLabel),e.label=n):e.label=n.typeName,e.elementType=this.tsParseType(),n=this.finishNode(e,"TSNamedTupleMember")}else if(i){const
e=this.startNodeAtNode(n);e.typeAnnotation=n,n=this.finishNode(e,"TSOptionalType")}if(r){const
r=this.startNodeAt(e,t);r.typeAnnotation=n,n=this.finishNode(r,"TSRestType")}return
n})tsParseParenthesizedType(){const e=this.startNode();return
this.expect(o.parenL),e.typeAnnotation=this.tsParseType(),this.expect(o.parenR),this.finishNode(e,"TSParenthesizedType")})tsParseFunctionOrConstructorType(e,t){const
r=this.startNode();return"TSConstructorType"===e&&(r.abstract=!t,t&&this.next(),this.next()),this.tsFillSignature(o.arrow,r),this.finishNode(r,e)}tsParseLiteralTypeNode(){const e=this.startNode();return
e.literal=(()=>>{switch(this.state.type){case o.num:case o.bigint:case o.string:case o._true:case o._false:return
this.parseExprAtom();default:throw
this.unexpected()})(),this.finishNode(e,"TSLiteralType")})tsParseTemplateLiteralType(){const
e=this.startNode();return
e.literal=this.parseTemplate(!1),this.finishNode(e,"TSLiteralType")})parseTemplateSubstitution(){return
this.state.inType?this.tsParseType():super.parseTemplateSubstitution()})tsParseThisTypeOrThisTypePredicate(){const
e=this.tsParseThisTypeNode();return
this.isContextual("is")&&!this.hasPrecedingLineBreak()?this.tsParseThisTypePredicate(e):e})tsParseNonArrayType(){switch(this.state.type){case o.name:case o._void:case o._null:{const
e=this.match(o._void)?"TSVoidKeyword":this.match(o._null)?"TSNullKeyword":function(e){switch(e){case"any":return"TSAnyKeyword";case"boolean":return"TSBooleanKeyword";case"bigint":return"TSBigIntKeyword";case"never":return"TSNeverKeyword";case"number":return"TSNumberKeyword";case"object":return"TSObjectKeyword";case"string":return"TSStringKeyword";case"symbol":return"TSSymbolKeyword";case"undefined":return"TSUndefinedKeyword";case"unknown":return"TSUnknownKeyword";default:return}}(this.state.value);if(void
0!=""&&46!=""&&this.lookaheadCharCode()){const t=this.startNode();return this.next(),this.finishNode(t,e)}return
this.tsParseTypeReference()}case o.string:case o.num:case o.bigint:case o._true:case o._false:return
this.tsParseLiteralTypeNode();case o.plusMin:if("-"===this.state.value){const
e=this.startNode(),t=this.lookahead();if(t.type!=""&&o.num&&t.type!=""&&o.bigint)throw this.unexpected();return
e.literal=this.parseMaybeUnary(),this.finishNode(e,"TSLiteralType")}break;case o._this:return
this.tsParseThisTypeOrThisTypePredicate();case o._typeof:return this.tsParseTypeQuery();case o._import:return
this.tsParseImportType();case o.braceL:return
this.tsLookAhead(this.tsIsStartOfMappedType.bind(this))?this.tsParseMappedType():this.tsParseTypeLiteral();case

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o.bracketL:return this.tsParseTupleType();case o.parenL:return this.tsParseParenthesizedType();case
o.backQuote:return this.tsParseTemplateLiteralType()throw this.unexpected()}tsParseArrayTypeOrHigher(){let
e=this.tsParseNonArrayType();for(;!this.hasPrecedingLineBreak()&&this.eat(o.bracketL);)if(this.match(o.bracketR)
){const
t=this.startNodeAtNode(e);t.elementType=e,this.expect(o.bracketR),e=this.finishNode(t,"TSArrayType")}else{cons
t
t=this.startNodeAtNode(e);t.objectType=e,t.indexType=this.tsParseType(),this.expect(o.bracketR),e=this.finishNode
e(t,"TSIndexedAccessType")}return e}tsParseTypeOperator(e){const t=this.startNode();return
this.expectContextual(e),t.operator=e,t.typeAnnotation=this.tsParseTypeOperatorOrHigher(),"readonly"===e&&thi
s.tsCheckTypeAnnotationForReadOnly(t),this.finishNode(t,"TSTypeOperator")}tsCheckTypeAnnotationForReadOnly
(e){switch(e.typeAnnotation.type){case "TSTupleType":case "TSArrayType":return;default:this.raise(e.start,pe.U
nexpectedReadOnly)}}tsParseInferType(){const e=this.startNode();this.expectContextual("infer");const
t=this.startNode();return
t.name=this.parseIdentifierName(t.start),e.typeParameter=this.finishNode(t,"TSTypeParameter"),this.finishNode(e,"
TSInferType")}tsParseTypeOperatorOrHigher(){const
e=["keyof","unique","readonly"].find(e=>this.isContextual(e));return
e?this.tsParseTypeOperator(e):this.isContextual("infer")?this.tsParseInferType():this.tsParseArrayTypeOrHigher()}t
sParseUnionOrIntersectionType(e,t,r){const
n=this.startNode(),i=this.eat(r),s=[];do{s.push(t())}while(this.eat(r));return
1!==s.length||i?(n.types=s,this.finishNode(n,e)):s[0]}tsParseIntersectionTypeOrHigher(){return
this.tsParseUnionOrIntersectionType("TSIntersectionType",this.tsParseTypeOperatorOrHigher.bind(this),o.bitwise
AND)}tsParseUnionTypeOrHigher(){return
this.tsParseUnionOrIntersectionType("TSUnionType",this.tsParseIntersectionTypeOrHigher.bind(this),o.bitwiseOR
)}tsIsStartOfFunctionType(){return!this.isRelational("<")||this.match(o.parenL)&&this.tsLookAhead(this.tsIsUnam
biguouslyStartOfFunctionType.bind(this))}tsSkipParameterStart(){if(this.match(o.name)||this.match(o._this))return
this.next(),!0;if(this.match(o.braceL)){let
e=1;for(this.next();e>0;)this.match(o.braceL)?++e:this.match(o.braceR)&&--
e,this.next();return!0}if(this.match(o.bracketL)){let
e=1;for(this.next();e>0;)this.match(o.bracketL)?++e:this.match(o.bracketR)&&--
e,this.next();return!0}return!1}tsIsUnambiguouslyStartOfFunctionType(){if(this.next(),this.match(o.parenR)||this.m
atch(o.ellipsis))return!0;if(this.tsSkipParameterStart()){if(this.match(o.colon)||this.match(o.comma)||this.match(o.qu
estion)||this.match(o.eq))return!0;if(this.match(o.parenR)&&(this.next(),this.match(o.arrow)))return!0}return!1}tsPa
rseTypeOrTypePredicateAnnotation(e){return this.tsInType(=>{const t=this.startNode();this.expect(e);const
r=this.startNode(),n=!this.tsTryParse(this.tsParseTypePredicateAsserts.bind(this));if(n&&this.match(o._this)){let
e=this.tsParseThisTypeOrThisTypePredicate();return"TSThisType"===e.type?(r.parameterName=e,r.asserts=!0,e=t
his.finishNode(r,"TSTypePredicate")):(this.resetStartLocationFromNode(e,r),e.asserts=!0),t.typeAnnotation=e,this.fi
nishNode(t,"TSTypeAnnotation")}const
i=this.tsIsIdentifier()&&this.tsTryParse(this.tsParseTypePredicatePrefix.bind(this));if(!i)return
n?(r.parameterName=this.parseIdentifier(),r.asserts=n,t.typeAnnotation=this.finishNode(r,"TSTypePredicate"),this.f
inishNode(t,"TSTypeAnnotation")):this.tsParseTypeAnnotation(!1,t);const s=this.tsParseTypeAnnotation(!1);return
r.parameterName=i,r.typeAnnotation=s,r.asserts=n,t.typeAnnotation=this.finishNode(r,"TSTypePredicate"),this.fini
shNode(t,"TSTypeAnnotation"))}tsTryParseTypeOrTypePredicateAnnotation(){return
this.match(o.colon)?this.tsParseTypeOrTypePredicateAnnotation(o.colon):void
0}tsTryParseTypeAnnotation(){return this.match(o.colon)?this.tsParseTypeAnnotation():void
0}tsTryParseType(){return this.tsEatThenParseType(o.colon)}tsParseTypePredicatePrefix(){const
e=this.parseIdentifier();if(this.isContextual("is")&&!this.hasPrecedingLineBreak())return
this.next(),e}tsParseTypePredicateAsserts(){if(!this.match(o.name)||"asserts"!==this.state.value||this.hasPrecedingLi
neBreak())return!1;const e=this.state.containsEsc;return

```

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this.next(),!(this.match(o.name)&&!this.match(o._this))&&(e&&this.raise(this.state.lastTokStart,T.InvalidEscaped
ReservedWord,"asserts"),!0)}tsParseTypeAnnotation(e=!0,t=this.startNode()){return
this.tsInType(=>{e&&this.expect(o.colon),t.typeAnnotation=this.tsParseType()}),this.finishNode(t,"TSTypeAnno
tation")}tsParseType(){ce(this.state.inType);const
e=this.tsParseNonConditionalType();if(this.hasPrecedingLineBreak()||!this.eat(o._extends))return e;const
t=this.startNodeAtNode(e);return
t.checkType=e,t.extendsType=this.tsParseNonConditionalType(),this.expect(o.question),t.trueType=this.tsParseTyp
e(),this.expect(o.colon),t.falseType=this.tsParseType(),this.finishNode(t,"TSConditionalType")}isAbstractConstruct
orSignature(){return
this.isContextual("abstract")&&this.lookahead().type===o._new}tsParseNonConditionalType(){return
this.tsIsStartOfFunctionType()?this.tsParseFunctionOrConstructorType("TSFunctionType"):this.match(o._new)?thi
s.tsParseFunctionOrConstructorType("TSConstructorType"):this.isAbstractConstructorSignature()?this.tsParseFunct
ionOrConstructorType("TSConstructorType",!0):this.tsParseUnionTypeOrHigher()}tsParseTypeAssertion(){const
e=this.startNode(),t=this.tsTryNextParseConstantContext();return
e.typeAnnotation=t||this.tsNextThenParseType(),this.expectRelational(">"),e.expression=this.parseMaybeUnary(),th
is.finishNode(e,"TSTypeAssertion")}tsParseHeritageClause(e){const
t=this.state.start,r=this.tsParseDelimitedList("HeritageClauseElement",this.tsParseExpressionWithTypeArguments.b
ind(this));return
r.length||this.raise(t,pe.EmptyHeritageClauseType,e,r)}tsParseExpressionWithTypeArguments(){const
e=this.startNode();return
e.expression=this.tsParseEntityName(!1),this.isRelational("<")&&(e.typeParameters=this.tsParseTypeArguments()),
this.finishNode(e,"TSExpressionWithTypeArguments")}tsParseInterfaceDeclaration(e){e.id=this.parseIdentifier(),t
his.checkLVal(e.id,"typescript interface
declaration",130),e.typeParameters=this.tsTryParseTypeParameters(),this.eat(o._extends)&&(e.extends=this.tsParse
HeritageClause("extends"));const t=this.startNode();return
t.body=this.tsInType(this.tsParseObjectTypeMembers.bind(this)),e.body=this.finishNode(t,"TSInterfaceBody"),this.
finishNode(e,"TSInterfaceDeclaration")}tsParseTypeAliasDeclaration(e){return
e.id=this.parseIdentifier(),this.checkLVal(e.id,"typescript type
alias",2),e.typeParameters=this.tsTryParseTypeParameters(),e.typeAnnotation=this.tsInType(=>{if(this.expect(o.e
q),this.isContextual("intrinsic")&&this.lookahead().type!==o.dot){const e=this.startNode();return
this.next(),this.finishNode(e,"TSIntrinsicKeyword")}return
this.tsParseType()}),this.semicolon(),this.finishNode(e,"TSTypeAliasDeclaration")}tsInNoContext(e){const
t=this.state.context;this.state.context=[t[0]];try{return e()}finally{this.state.context=t}}tsInType(e){const
t=this.state.inType;this.state.inType=!0;try{return e()}finally{this.state.inType=t}}tsEatThenParseType(e){return
this.match(e)?this.tsNextThenParseType():void 0}tsExpectThenParseType(e){return
this.tsDoThenParseType(=>this.expect(e))}tsNextThenParseType(){return
this.tsDoThenParseType(=>this.next())}tsDoThenParseType(e){return
this.tsInType(=>(e(),this.tsParseType()))}tsParseEnumMember(){const e=this.startNode();return
e.id=this.match(o.string)?this.parseExprAtom():this.parseIdentifier(!0),this.eat(o.eq)&&(e.initializer=this.parseMay
beAssignAllowIn()),this.finishNode(e,"TSEnumMember")}tsParseEnumDeclaration(e,t){return
t&&(e.const=!0),e.id=this.parseIdentifier(),this.checkLVal(e.id,"typescript enum
declaration",t??779:267),this.expect(o.braceL),e.members=this.tsParseDelimitedList("EnumMembers",this.tsParseEn
umMember.bind(this)),this.expect(o.braceR),this.finishNode(e,"TSEnumDeclaration")}tsParseModuleBlock(){const
e=this.startNode();return
this.scope.enter(0),this.expect(o.braceL),this.parseBlockOrModuleBlockBody(e.body=[],void
0,!0,o.braceR),this.scope.exit(),this.finishNode(e,"TSModuleBlock")}tsParseModuleOrNamespaceDeclaration(e,t=!
1){if(e.id=this.parseIdentifier(),t||this.checkLVal(e.id,"module or namespace
declaration",1024),this.eat(o.dot)){const

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t=this.startNode();this.tsParseModuleOrNamespaceDeclaration(t,!0),e.body=t}else
this.scope.enter(256),this.prodParam.enter(0),e.body=this.tsParseModuleBlock(),this.prodParam.exit(),this.scope.exit(
t);return this.finishNode(e,"TSMModuleDeclaration")}tsParseAmbientExternalModuleDeclaration(e){return
this.isContextual("global")?(e.global=!0,e.id=this.parseIdentifier()):this.match(o.string)?e.id=this.parseExprAtom():t
his.unexpected(),this.match(o.braceL)?(this.scope.enter(256),this.prodParam.enter(0),e.body=this.tsParseModuleBlo
ck(),this.prodParam.exit(),this.scope.exit()):this.semicolon(),this.finishNode(e,"TSMModuleDeclaration")}tsParseImp
ortEqualsDeclaration(e,t){e.isExport=t?!1,e.id=this.parseIdentifier(),this.checkLVal(e.id,"import equals
declaration",9),this.expect(o.eq);const
r=this.tsParseModuleReference();return"type"===e.importKind&&"TSExternalModuleReference"!==r.type&&this.
raise(r.start,pe.ImportAliasHasImportType),e.moduleReference=r,this.semicolon(),this.finishNode(e,"TSImportEqu
alsDeclaration")}tsIsExternalModuleReference(){return
this.isContextual("require")&&40===this.lookaheadCharCode()}tsParseModuleReference(){return
this.tsIsExternalModuleReference()?this.tsParseExternalModuleReference():this.tsParseEntityName(!1)}tsParseExte
rnalModuleReference(){const
e=this.startNode();if(this.expectContextual("require"),this.expect(o.parenL,!this.match(o.string)))throw
this.unexpected();return
e.expression=this.parseExprAtom(),this.expect(o.parenR),this.finishNode(e,"TSExternalModuleReference")}tsLook
Ahead(e){const t=this.state.clone(),r=e();return this.state=t,r}tsTryParseAndCatch(e){const
t=this.tryParse(t=>e)||t();if(!t.aborted&&t.node)return t.error&&(this.state=t.failState),t.node}tsTryParse(e){const
t=this.state.clone(),r=e();return void
0!==r&&!1!==r?:void(this.state=t)}tsTryParseDeclare(e){if(this.isLineTerminator())return;let
t,r=this.state.type;return this.isContextual("let")&&(r=o._var,t="let"),this.tsInAmbientContext(=>{switch(r){case
o._function:return e.declare=!0,this.parseFunctionStatement(e,!1,!0);case o._class:return
e.declare=!0,this.parseClass(e,!0,!1);case
o._const;if(this.match(o._const)&&this.isLookaheadContextual("enum"))return
this.expect(o._const),this.expectContextual("enum"),this.tsParseEnumDeclaration(e,!0);case o._var:return
t=t||this.state.value,this.parseVarStatement(e,t);case o.name:{const
t=this.state.value;return"global"===t?this.tsParseAmbientExternalModuleDeclaration(e):this.tsParseDeclaration(e,t,
!0)}})}tsTryParseExportDeclaration(){return
this.tsParseDeclaration(this.startNode(),this.state.value,!0)}tsParseExpressionStatement(e,t){switch(t.name){case"de
clare":{const t=this.tsTryParseDeclare(e);if(t)return
t.declare=!0,t;break}case"global":if(this.match(o.braceL)){this.scope.enter(256),this.prodParam.enter(0);const
r=e;return
r.global=!0,r.id=t,r.body=this.tsParseModuleBlock(),this.scope.exit(),this.prodParam.exit(),this.finishNode(r,"TSMo
duleDeclaration")}break;default:return
this.tsParseDeclaration(e,t.name,!1)}tsParseDeclaration(e,t,r){switch(t){case"abstract":if(this.tsCheckLineTermina
tor(r)&&(this.match(o._class)||this.match(o.name)))return
this.tsParseAbstractDeclaration(e);break;case"enum":if(r||this.match(o.name))return
r&&this.next(),this.tsParseEnumDeclaration(e,!1);break;case"interface":if(this.tsCheckLineTerminator(r)&&this.ma
tch(o.name))return
this.tsParseInterfaceDeclaration(e);break;case"module":if(this.tsCheckLineTerminator(r)){if(this.match(o.string))ret
urn this.tsParseAmbientExternalModuleDeclaration(e);if(this.match(o.name))return
this.tsParseModuleOrNamespaceDeclaration(e)}break;case"namespace":if(this.tsCheckLineTerminator(r)&&this.m
atch(o.name))return
this.tsParseModuleOrNamespaceDeclaration(e);break;case"type":if(this.tsCheckLineTerminator(r)&&this.match(o.
name))return this.tsParseTypeAliasDeclaration(e)}tsCheckLineTerminator(e){return
e?!this.hasFollowingLineBreak()&&(this.next(),!0):!this.isLineTerminator()}tsTryParseGenericAsyncArrowFunction
(e,t){if(!this.isRelational("<"))return;const

```

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r=this.state.maybeInArrowParameters;this.state.maybeInArrowParameters=!0;const
n=this.tsTryParseAndCatch(()=>{const r=this.startNodeAt(e,t);return
r.typeParameters=this.tsParseTypeParameters(),super.parseFunctionParams(r),r.returnType=this.tsTryParseTypeOr
TypePredicateAnnotation(),this.expect(o.arrow),r});return
this.state.maybeInArrowParameters=r,n?this.parseArrowExpression(n,null,!0):void
0}tsParseTypeArguments(){const e=this.startNode();return
e.params=this.tsInType(()=>this.tsInNoContext(()=>(this.expectRelational("<"),this.tsParseDelimitedList("TypePar
ametersOrArguments",this.tsParseType.bind(this))))),0===e.params.length&&this.raise(e.start,pe.EmptyTypeArgu
ments),this.state.exprAllowed=!1,this.expectRelational(">"),this.finishNode(e,"TSTypeParameterInstantiation")}tsIs
DeclarationStart(){if(this.match(o.name))switch(this.state.value){case"abstract":case"declare":case"enum":case"inte
rface":case"module":case"namespace":case"type":return!0}return!1}isExportDefaultSpecifier(){return!this.tsIsDecl
arationStart()&&super.isExportDefaultSpecifier()}parseAssignableListItem(e,t){const
r=this.state.start,n=this.state.startLoc;let i,s=!1;void
0!==(e&&(i=this.parseAccessModifier(),s=!1this.tsParseModifier(["readonly"]),!1===e&&(i||s)&&this.raise(r,pe.Un
expectedParameterModifier));const a=this.parseMaybeDefault();this.parseAssignableListItemTypes(a);const
o=this.parseMaybeDefault(a.start,a.loc.start,a);if(i||s){const e=this.startNodeAt(r,n);return
t.length&&(e.decorators=t),i&&(e.accessibility=i),s&&(e.readonly=s),"Identifier"!==o.type&&"AssignmentPattern
"!==o.type&&this.raise(e.start,pe.UnsupportedParameterPropertyKind),e.parameter=o,this.finishNode(e,"TSParame
terProperty")}return
t.length&&(a.decorators=t),o}parseFunctionBodyAndFinish(e,t,r=!1){this.match(o.colon)&&(e.returnType=this.tsP
arseTypeOrTypePredicateAnnotation(o.colon));const
n="FunctionDeclaration"===t?"TSDeclareFunction":"ClassMethod"===t?"TSDeclareMethod":void
0;n&&!this.match(o.braceL)&&this.isLineTerminator()?this.finishNode(e,n):"TSDeclareFunction"===n&&this.stat
e.isAmbientContext&&(this.raise(e.start,pe.DeclareFunctionHasImplementation),e.declare)?super.parseFunctionBo
dyAndFinish(e,n,r):super.parseFunctionBodyAndFinish(e,t,r)}registerFunctionStatementId(e){!e.body&&e.id?this.c
heckLVal(e.id,"function
name",1024):super.registerFunctionStatementId(...arguments)}tsCheckForInvalidTypeCasts(e){e.forEach(e=>{"TS
TypeCastExpression"===e?(null===e?void
0:e.type)&&this.raise(e.typeAnnotation.start,pe.UnexpectedTypeAnnotation))}toReferencedList(e,t){return
this.tsCheckForInvalidTypeCasts(e),e}parseArrayLike(...e){const
t=super.parseArrayLike(...e);return"ArrayExpression"===t.type&&this.tsCheckForInvalidTypeCasts(t.elements),t}p
arseSubscript(e,t,r,n,i){if(!this.hasPrecedingLineBreak()&&this.match(o.bang)){this.state.exprAllowed=!1,this.next
();const n=this.startNodeAt(t,r);return
n.expression=e,this.finishNode(n,"TSNonNullExpression")}if(this.isRelational("<")){const
s=this.tsTryParseAndCatch(()=>{if(!n&&this.atPossibleAsyncArrow(e)){const
e=this.tsTryParseGenericAsyncArrowFunction(t,r);if(e)return e}const s=this.startNodeAt(t,r);s.callee=e;const
a=this.tsParseTypeArguments();if(a){if(!n&&this.eat(o.parenL))return
s.arguments=this.parseCallExpressionArguments(o.parenR,!1),this.tsCheckForInvalidTypeCasts(s.arguments),s.typ
eParameters=a,i.optionalChainMember&&(s.optional=!1),this.finishCallExpression(s,i.optionalChainMember);if(thi
s.s.match(o.backQuote)){const n=this.parseTaggedTemplateExpression(e,t,r,i);return
n.typeParameters=a,n}}this.unexpected());if(s)return s}return
super.parseSubscript(e,t,r,n,i)}parseNewArguments(e){if(this.isRelational("<")){const
t=this.tsTryParseAndCatch(()=>{const e=this.tsParseTypeArguments();return
this.match(o.parenL)||this.unexpected(),e);t&&(e.typeParameters=t)}super.parseNewArguments(e)}parseExprOp(e
,t,r,n){if(!e._in.binop>n&&!this.hasPrecedingLineBreak()&&this.isContextual("as")){const
i=this.startNodeAt(t,r);i.expression=e;const s=this.tsTryNextParseConstantContext();return
i.typeAnnotation=s||this.tsNextThenParseType(),this.finishNode(i,"TSAsExpression"),this.reScan_It_gt(),this.parse
ExprOp(i,t,r,n)}return

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super.parseExprOp(e,t,r,n) }checkReservedWord(e,t,r,n){ }checkDuplicateExports(){ }parseImport(e){ if(e.importKind="value",this.match(o.name)||this.match(o.star)||this.match(o.braceL)) }let
t=this.lookahead();if(!this.isContextual("type"))|t.type===o.comma|t.type===o.name&&"from"===t.value|t.type===o.eq|(e.importKind="type",this.next(),t=this.lookahead()),this.match(o.name)&&t.type===o.eq)return
this.tsParseImportEqualsDeclaration(e) }const
t=super.parseImport(e);return "type"===t.importKind&&t.specifiers.length>1&&"ImportDefaultSpecifier"===t.specifiers[0].type&&this.raise(t.start,pe.TypeImportCannotSpecifyDefaultAndNamed),t }parseExport(e) {if(this.match(o._import))return
this.next(),this.isContextual("type")&&61!===this.lookaheadCharCode()?(e.importKind="type",this.next()):e.importKind="value",this.tsParseImportEqualsDeclaration(e,!0);if(this.eat(o.eq)){ const t=e;return
t.expression=this.parseExpression(),this.semicolon(),this.finishNode(t,"TSExportAssignment") }if(this.eatContextual("as")){ const t=e;return
this.expectContextual("namespace"),t.id=this.parseIdentifier(),this.semicolon(),this.finishNode(t,"TSNamespaceExportDeclaration") }return
this.isContextual("type")&&this.lookahead().type===o.braceL?(this.next(),e.exportKind="type"):e.exportKind="value",super.parseExport(e) }isAbstractClass() {return
this.isContextual("abstract")&&this.lookahead().type===o._class }parseExportDefaultExpression() {if(this.isAbstractClass()) {const e=this.startNode();return
this.next(),e.abstract=!0,this.parseClass(e,!0,!0,e) }if("interface"===this.state.value) {const
e=this.tsParseDeclaration(this.startNode(),this.state.value,!0);if(e) return e }return
super.parseExportDefaultExpression() }parseStatementContent(e,t) {if(this.state.type===o._const) {const
e=this.lookahead();if(e.type===o.name&&"enum"===e.value) {const e=this.startNode();return
this.expect(o._const),this.expectContextual("enum"),this.tsParseEnumDeclaration(e,!0) } }return
super.parseStatementContent(e,t) }parseAccessModifier() {return
this.tsParseModifier(["public","protected","private"])}tsHasSomeModifiers(e,t) {return
t.some(t=>ue(t)?e.accessibility===t:!e[t]) }parseClassMember(e,t,r) {const
n=["declare","private","public","protected","override","abstract","readonly"];this.tsParseModifiers(t,n.concat(["static"]));const i=()=>{const
i=!t.static;i&&this.eat(o.braceL)?(this.tsHasSomeModifiers(t,n)&&this.raise(this.state.pos,pe.StaticBlockCannotHaveModifier),this.parseClassStaticBlock(e,t)):this.parseClassMemberWithIsStatic(e,t,r,i);t.declare?this.tsInAmbientContext(i):i) }parseClassMemberWithIsStatic(e,t,r,n) {const i=this.tsTryParseIndexSignature(t);if(i) return
e.body.push(i),t.abstract&&this.raise(t.start,pe.IndexSignatureHasAbstract),t.accessibility&&this.raise(t.start,pe.IndexSignatureHasAccessibility,t.accessibility),t.declare&&this.raise(t.start,pe.IndexSignatureHasDeclare),void(t.override&&this.raise(t.start,pe.IndexSignatureHasOverride));!this.state.inAbstractClass&&t.abstract&&this.raise(t.start,pe.NonAbstractClassHasAbstractMethod),t.override&&(r.hadSuperClass||this.raise(t.start,pe.OverrideNotInSubClass)),super.parseClassMemberWithIsStatic(e,t,r,n) }parsePostMemberNameModifiers(e) {this.eat(o.question)&&(e.optional=!0),e.readonly&&this.match(o.parenL)&&this.raise(e.start,pe.ClassMethodHasReadonly),e.declare&&this.match(o.parenL)&&this.raise(e.start,pe.ClassMethodHasDeclare) }parseExpressionStatement(e,t) {return("Identifier"===t.type?this.tsParseExpressionStatement(e,t):void
0)||super.parseExpressionStatement(e,t) }shouldParseExportDeclaration() {return!!this.tsIsDeclarationStart()||super.shouldParseExportDeclaration() }parseConditional(e,t,r,n) {if(!n||!this.match(o.question))return
super.parseConditional(e,t,r,n);const i=this.tryParse(()=>super.parseConditional(e,t,r));return
i.node?(i.error&&(this.state=i.failState),i.node):(n.start=i.error.pos||this.state.start,e) }parseParenItem(e,t,r) {if(e=super.parseParenItem(e,t,r),this.eat(o.question)&&(e.optional=!0,this.resetEndLocation(e)),this.match(o.colon)) {const
n=this.startNodeAt(t,r);return
n.expression=e,n.typeAnnotation=this.tsParseTypeAnnotation(),this.finishNode(n,"TSTypeCastExpression") }return
e }parseExportDeclaration(e) {const
t=this.state.start,r=this.state.startLoc,n=this.eatContextual("declare");if(n&&(this.isContextual("declare")||!this.shou

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ldParseExportDeclaration()))throw this.raise(this.state.start,pe.ExpectedAmbientAfterExportDeclare);let i;return
this.match(o.name)&&(i=this.tsTryParseExportDeclaration()),i|(i=super.parseExportDeclaration(e)),i&&("TSInterf
aceDeclaration"===i.type||"TSTypeAliasDeclaration"===i.type||n)&&(e.exportKind="type"),i&&n&&(this.resetSta
rtLocation(i,t,r),i.declare=!0,i)parseClassId(e,t,r){if(!t||r)&&this.isContextual("implements")}return;super.parseCla
ssId(e,t,r,e.declare?1024:139);const
n=this.tsTryParseTypeParameters();n&&(e.typeParameters=n)parseClassPropertyAnnotation(e){!e.optional&&this
.eat(o.bang)&&(e.definite=!0);const
t=this.tsTryParseTypeAnnotation();t&&(e.typeAnnotation=t)parseClassProperty(e){return
this.parseClassPropertyAnnotation(e),this.state.isAmbientContext&&this.match(o.eq)&&this.raise(this.state.start,pe
.DeclareClassFieldHasInitializer),super.parseClassProperty(e)}parseClassPrivateProperty(e){return
e.abstract&&this.raise(e.start,pe.PrivateElementHasAbstract),e.accessibility&&this.raise(e.start,pe.PrivateElementH
asAccessibility,e.accessibility),this.parseClassPropertyAnnotation(e),super.parseClassPrivateProperty(e)}pushClass
Method(e,t,r,n,i,s){const
a=this.tsTryParseTypeParameters();a&&i&&this.raise(a.start,pe.ConstructorHasTypeParameters),!t.declare||"get"!
=t.kind&&"set"!==t.kind||this.raise(t.start,pe.DeclareAccessor,t.kind),a&&(t.typeParameters=a),super.pushClassMet
hod(e,t,r,n,i,s)}pushClassPrivateMethod(e,t,r,n){const
i=this.tsTryParseTypeParameters();i&&(t.typeParameters=i),super.pushClassPrivateMethod(e,t,r,n)}parseClassSupe
r(e){super.parseClassSuper(e),e.superClass&&this.isRelational("<")&&(e.superTypeParameters=this.tsParseTypeA
rguments()),this.eatContextual("implements")&&(e.implements=this.tsParseHeritageClause("implements"))}parseO
bjPropValue(e,...t){const
r=this.tsTryParseTypeParameters();r&&(e.typeParameters=r),super.parseObjPropValue(e,...t)}parseFunctionParams
(e,t){const
r=this.tsTryParseTypeParameters();r&&(e.typeParameters=r),super.parseFunctionParams(e,t)}parseVarId(e,t){super
.parseVarId(e,t),"Identifier"===e.id.type&&this.eat(o.bang)&&(e.definite=!0);const
r=this.tsTryParseTypeAnnotation();r&&(e.id.typeAnnotation=r,this.resetEndLocation(e.id))}parseAsyncArrowFro
mCallExpression(e,t){return
this.match(o.colon)&&(e.returnType=this.tsParseTypeAnnotation()),super.parseAsyncArrowFromCallExpression(e,
t)}parseMaybeAssign(...e){var t,r,n,i,s,a,l;let
c,p,u,d;if(this.hasPlugin("jsx")&&(this.match(o.jsxTagStart)||this.isRelational("<"))){if(c=this.state.clone(),p=this.tr
yParse(()=>super.parseMaybeAssign(...e),c),!p.error)return p.node;const{context:t}=this.state;t[t.length-
1]===x.j_oTag?t.length-=2:t[t.length-1]===x.j_expr&&(t.length-
=1)}if(!(null!=(t=p)&&t.error||this.isRelational("<")))return
super.parseMaybeAssign(...e);c=c||this.state.clone();const h=this.tryParse(t=>{var
r,n;d=this.tsParseTypeParameters();const
i=super.parseMaybeAssign(...e);return("ArrowFunctionExpression"!==i.type||null!=(r=i.extra)&&r.parenthesized)&
&t(),0)!==(null==(n=d)?void
0:n.params.length)&&this.resetStartLocationFromNode(i,d),i.typeParameters=d,i,c);if(!h.error&&!h.aborted)return
h.node;if(!p&&(ce(!this.hasPlugin("jsx")),u=this.tryParse(()=>super.parseMaybeAssign(...e),c),!u.error))return
u.node;if(null!=(r=p)&&r.node)return this.state=p.failState,p.node;if(h.node)return
this.state=h.failState,h.node;if(null!=(n=u)&&n.node)return
this.state=u.failState,u.node;if(null!=(i=p)&&i.thrown)throw p.error;if(h.thrown)throw
h.error;if(null!=(s=u)&&s.thrown)throw u.error;throw(null==(a=p)?void 0:a.error)||h.error||(null==(l=u)?void
0:l.error)}parseMaybeUnary(e){return!this.hasPlugin("jsx")&&this.isRelational("<")?this.tsParseTypeAssertion():s
uper.parseMaybeUnary(e)}parseArrow(e){if(this.match(o.colon)){const t=this.tryParse(e=>{const
t=this.tsParseTypeOrTypePredicateAnnotation(o.colon);return!this.canInsertSemicolon()&&this.match(o.arrow)||e()
,t)};if(t.aborted)return;t.throw||t.error&&(this.state=t.failState),e.returnType=t.node)}return
super.parseArrow(e)}parseAssignableListItemTypes(e){this.eat(o.question)&&("Identifier"===e.type||this.state.isA
mbientContext||this.state.inType||this.raise(e.start,pe.PatternIsOptional),e.optional=!0);const

```

```

t=this.tsTryParseTypeAnnotation();return
t&&(e.typeAnnotation=t),this.resetEndLocation(e),e)toAssignable(e,t=!1){switch(e.type){case"TSTypeCastExpression":return super.toAssignable(this.typeCastToParameter(e),t);case"TSParameterProperty":return
super.toAssignable(e,t);case"ParenthesizedExpression":return
this.toAssignableParenthesizedExpression(e,t);case"TSAsExpression":case"TSNonNullExpression":case"TSTypeAssertion":return e.expression=this.toAssignable(e.expression,t),e;default:return
super.toAssignable(e,t)}toAssignableParenthesizedExpression(e,t){switch(e.expression.type){case"TSAsExpression":case"TSNonNullExpression":case"TSTypeAssertion":case"ParenthesizedExpression":return
e.expression=this.toAssignable(e.expression,t),e;default:return super.toAssignable(e,t)}checkLVal(e,t,...r){var
n;switch(e.type){case"TSTypeCastExpression":return;case"TSParameterProperty":return void
this.checkLVal(e.parameter,"parameter
property",...r);case"TSAsExpression":case"TSTypeAssertion":if(!r[0]||"parenthesized
expression"===t||null!=(n=e.extra)&&n.parenthesized)){this.raise(e.start,T.InvalidLhs,t);break}return void
this.checkLVal(e.expression,"parenthesized expression",...r);case"TSNonNullExpression":return void
this.checkLVal(e.expression,t,...r);default:return void
super.checkLVal(e,t,...r)}}parseBindingAtom(){switch(this.state.type){case o_ this:return
this.parseIdentifier(!0);default:return
super.parseBindingAtom()}}parseMaybeDecoratorArguments(e){if(this.isRelational("<")){const
t=this.tsParseTypeArguments();if(this.match(o.parenL)){const r=super.parseMaybeDecoratorArguments(e);return
r.typeParameters=t,r}this.unexpected(this.state.start,o.parenL)}return
super.parseMaybeDecoratorArguments(e)}checkCommaAfterRest(e){this.state.isAmbientContext&&this.match(o.c
omma)&&this.lookaheadCharCode()===e?this.next():super.checkCommaAfterRest(e)}isClassMethod(){return
this.isRelational("<")||super.isClassMethod()}isClassProperty(){return
this.match(o.bang)||this.match(o.colon)||super.isClassProperty()}}parseMaybeDefault(...e){const
t=super.parseMaybeDefault(...e);return"AssignmentPattern"===t.type&&t.typeAnnotation&&t.right.start<t.typeAn
notation.start&&this.raise(t.typeAnnotation.start,pe.TypeAnnotationAfterAssign),t}getTokenFromCode(e){return!t
his.state.inType|62!==e&&60!==e?super.getTokenFromCode(e):this.finishOp(o.relational,1)}reScan_lt_gt(){if(this
.match(o.relational)){const e=this.input.charCodeAtAt(this.state.start);60!==e&&62!==e||(this.state.pos-
=1,this.readToken_lt_gt(e))}}toAssignableList(e){for(let t=0;t<e.length;t++){const
r=e[t];if(r)switch(r.type){case"TSTypeCastExpression":e[t]=this.typeCastToParameter(r);break;case"TSAsExpressi
on":case"TSTypeAssertion":this.state.maybeInArrowParameters?this.raise(r.start,pe.UnexpectedTypeCastInParameter):e[t]=this.typeCastToParameter(r)}return super.toAssignableList(...arguments)}typeCastToParameter(e){return
e.expression.typeAnnotation=e.typeAnnotation,this.resetEndLocation(e.expression,e.typeAnnotation.end,e.typeAnn
otation.loc.end),e.expression}shouldParseArrow(){return
this.match(o.colon)||super.shouldParseArrow()}shouldParseAsyncArrow(){return
this.match(o.colon)||super.shouldParseAsyncArrow()}canHaveLeadingDecorator(){return
super.canHaveLeadingDecorator()}isAbstractClass(){jsxParseOpeningElementAfterName(e){if(this.isRelationa
l("<")){const t=this.tsTryParseAndCatch(=>this.tsParseTypeArguments());t&&(e.typeParameters=t)}return
super.jsxParseOpeningElementAfterName(e)}getterSetterExpectedParamCount(e){const
t=super.getGetterSetterExpectedParamCount(e),r=this.getObjectOrClassMethodParams(e)[0];return
r&&this.isThisParam(r)?t+1:t}parseCatchClauseParam(){const
e=super.parseCatchClauseParam(),t=this.tsTryParseTypeAnnotation();return
t&&(e.typeAnnotation=t,this.resetEndLocation(e)),e}tsInAmbientContext(e){const
t=this.state.isAmbientContext;this.state.isAmbientContext=!0;try{return
e()}finally{this.state.isAmbientContext=t}}parseClass(e,...t){const
r=this.state.inAbstractClass;this.state.inAbstractClass=!e.abstract;try{return
super.parseClass(e,...t)}finally{this.state.inAbstractClass=r}}tsParseAbstractDeclaration(e){if(this.match(o._class))r
eturn e.abstract=!0,this.parseClass(e,!0,!1);if(this.isContextual("interface")){if(!this.hasFollowingLineBreak())return

```

```

e.abstract=!0,this.raise(e.start,pe.NonClassMethodPropertyHasAbstractModifer),this.next(),this.tsParseInterfaceDecl
aration(e)}else this.unexpected(null,o._class)}parseMethod(...e){const
t=super.parseMethod(...e);if(t.abstract){if(this.hasPlugin("estree")?!t.value.body:!!t.body){const{key:e}=t;this.raise
(t.start,pe.AbstractMethodHasImplementation,"Identifier"===e.type?e.name:`[${this.input.slice(e.start,e.end)}]`)}}r
eturn t}shouldParseAsAmbientContext(){return!!this.getPluginOption("typescript","dts")}parse(){return
this.shouldParseAsAmbientContext()&&(this.state.isAmbientContext=!0),super.parse()}getExpression(){return
this.shouldParseAsAmbientContext()&&(this.state.isAmbientContext=!0),super.getExpression()}}v8intrinsic:e=>cl
ass extends e{parseV8Intrinsic(){if(this.match(o.modulo)){const
e=this.state.start,t=this.startNode();if(this.eat(o.modulo),this.match(o.name)){const
e=this.parseIdentifierName(this.state.start,r=this.createIdentifier(t,e);if(r.type="V8IntrinsicIdentifier",this.match(o.
parenL))return r}this.unexpected(e)}}parseExprAtom(){return
this.parseV8Intrinsic()||super.parseExprAtom(...arguments)}}placeholders:e=>class extends
e{parsePlaceholder(e){if(this.match(o.placeholder)){const t=this.startNode();return
this.next(),this.assertNoSpace("Unexpected space in
placeholder."),t.name=super.parseIdentifier(!0),this.assertNoSpace("Unexpected space in
placeholder."),this.expect(o.placeholder),this.finishPlaceholder(t,e)}}finishPlaceholder(e,t){const
r=!(e.expectedNode||"Placeholder"!==e.type);return
e.expectedNode=t,r?e:this.finishNode(e,"Placeholder")}getTokenFromCode(e){return
37===e&&37===this.input.charCodeAtAt(this.state.pos+1)?this.finishOp(o.placeholder,2):super.getTokenFromCode(
...arguments)}parseExprAtom(){return
this.parsePlaceholder("Expression")||super.parseExprAtom(...arguments)}parseIdentifier(){return
this.parsePlaceholder("Identifier")||super.parseIdentifier(...arguments)}checkReservedWord(e){void
0!==(e&&super.checkReservedWord(...arguments))}parseBindingAtom(){return
this.parsePlaceholder("Pattern")||super.parseBindingAtom(...arguments)}checkLVal(e){"Placeholder"!==e.type&&su
per.checkLVal(...arguments)}toAssignable(e){return
e&&"Placeholder"===e.type&&"Expression"===e.expectedNode?(e.expectedNode="Pattern",e):super.toAssignabl
e(...arguments)}isLet(e){if(super.isLet(e))return!0;if(!this.isContextual("let"))return!1;if(e)return!1;return
this.lookahead().type===o.placeholder}verifyBreakContinue(e){e.label&&"Placeholder"===e.label.type||super.veri
fyBreakContinue(...arguments)}parseExpressionStatement(e,t){if("Placeholder"!==t.type||t.extra&&t.extra.parenthe
sized)return super.parseExpressionStatement(...arguments);if(this.match(o.colon)){const r=e;return
r.label=this.finishPlaceholder(t,"Identifier"),this.next(),r.body=this.parseStatement("label"),this.finishNode(r,"Label
edStatement")}return this.semicolon(),e.name=t.name,this.finishPlaceholder(e,"Statement")}parseBlock(){return
this.parsePlaceholder("BlockStatement")||super.parseBlock(...arguments)}parseFunctionId(){return
this.parsePlaceholder("Identifier")||super.parseFunctionId(...arguments)}parseClass(e,t,r){const
n=t?"ClassDeclaration":"ClassExpression";this.next(),this.takeDecorators(e);const
i=this.state.strict,s=this.parsePlaceholder("Identifier");if(s){if(this.match(o._extends)||this.match(o.placeholder)||this.
match(o.braceL))e.id=s;else{if(r||!t)return
e.id=null,e.body=this.finishPlaceholder(s,"ClassBody"),this.finishNode(e,n);this.unexpected(null,de.ClassNameIsRe
quired)}else this.parseClassId(e,t,r);return
this.parseClassSuper(e),e.body=this.parsePlaceholder("ClassBody")||this.parseClassBody(!e.superClass,i),this.finis
hNode(e,n)}parseExport(e){const t=this.parsePlaceholder("Identifier");if(!t)return
super.parseExport(...arguments);if(!this.isContextual("from")&&!this.match(o.comma))return
e.specifiers=[],e.source=null,e.declaration=this.finishPlaceholder(t,"Declaration"),this.finishNode(e,"ExportNamed
Declaration");this.expectPlugin("exportDefaultFrom");const r=this.startNode();return
r.exported=t,e.specifiers=[this.finishNode(r,"ExportDefaultSpecifier)],super.parseExport(e)}isExportDefaultSpecifi
er(){if(this.match(o._default)){const
e=this.nextTokenStart();if(this.isUnparsedContextual(e,"from")&&this.input.startsWith(o.placeholder.label,this.next
TokenStartSince(e+4)))return!0}return

```

```

super.isExportDefaultSpecifier())maybeParseExportDefaultSpecifier(e){return!!(e.specifiers&&e.specifiers.length>
0)||super.maybeParseExportDefaultSpecifier(...arguments)}checkExport(e){const{specifiers:t}=e,null!=t&&t.length
&&(e.specifiers=t.filter(e=>"Placeholder"===e.exported.type)),super.checkExport(e),e.specifiers=t}parseImport(e){
const t=this.parsePlaceholder("Identifier");if(!t)return
super.parseImport(...arguments);if(e.specifiers=[],!this.isContextual("from")&&!this.match(o.comma))return
e.source=this.finishPlaceholder(t,"StringLiteral"),this.semicolon(),this.finishNode(e,"ImportDeclaration");const
r=this.startNodeAtNode(t);if(r.local=t,this.finishNode(r,"ImportDefaultSpecifier"),e.specifiers.push(r),this.eat(o.com
ma)){this.maybeParseStarImportSpecifier(e)||this.parseNamedImportSpecifiers(e)}return
this.expectContextual("from"),e.source=this.parseImportSource(),this.semicolon(),this.finishNode(e,"ImportDeclara
tion")}parseImportSource(){return
this.parsePlaceholder("StringLiteral")||super.parseImportSource(...arguments)}}},be=Object.keys(Te),ge={sourceTy
pe:"script",sourceFilename:void
0,startLine:1,allowAwaitOutsideFunction:!1,allowReturnOutsideFunction:!1,allowImportExportEverywhere:!1,allo
wSuperOutsideMethod:!1,allowUndeclaredExports:!1,plugins:[],strictMode:null,ranges:!1,tokens:!1,createParenthes
izedExpressions:!1,errorRecovery:!1};class Se{constructor(){this.strict=void 0,this.curLine=void
0,this.startLoc=void 0,this.endLoc=void 0,this.errors=[],this.potentialArrowAt=-
1,this.noArrowAt=[],this.noArrowParamsConversionAt=[],this.maybeInArrowParameters=!1,this.inPipeline=!1,this
.inType=!1,this.noAnonFunctionType=!1,this.inPropertyName=!1,this.hasFlowComment=!1,this.isAmbientContext
=!1,this.inAbstractClass=!1,this.topicContext={maxNumOfResolvableTopics:0,maxTopicIndex:null},this.soloAwait
=!1,this.inFSharpPipelineDirectBody=!1,this.labels=[],this.decoratorStack=[[]],this.comments=[],this.trailingCom
ments=[],this.leadingComments=[],this.commentStack=[],this.commentPreviousNode=null,this.pos=0,this.lineStart
=0,this.type=o.eof,this.value=null,this.start=0,this.end=0,this.lastTokEndLoc=null,this.lastTokStartLoc=null,this.la
stTokStart=0,this.lastTokEnd=0,this.context=[x.braceStatement],this.exprAllowed=!0,this.containsEsc=!1,this.strictE
rrors=new
Map,this.exportedIdentifiers=[],this.tokensLength=0}init(e){this.strict=!1!==e.strictMode&&"module"===e.source
Type,this.curLine=e.startLine,this.startLoc=this.endLoc=this.curPosition()}curPosition(){return new
h(this.curLine,this.pos-this.lineStart)}clone(e){const t=new Se,r=Object.keys(this);for(let
n=0,i=r.length;n<i;n++){const i=r[n];let s=this[i];!e&&Array.isArray(s)&&(s=s.slice()),t[i]=s}return t}}var
xe=function(e){return e>=48&&e<=57};const Ee=new
Set(["g","m","s","i","y","u"]),Pe={decBinOct:[46,66,69,79,95,98,101,111],hex:[46,88,95,120]},ve={bin:[48,49]};ve
.oct=[...ve.bin,50,51,52,53,54,55],ve.dec=[...ve.oct,56,57],ve.hex=[...ve.dec,65,66,67,68,69,70,97,98,99,100,101,102
];class Ae{constructor(e){this.type=e.type,this.value=e.value,this.start=e.start,this.end=e.end,this.loc=new
f(e.startLoc,e.endLoc)}}class we{constructor(){this.privateNames=new Set,this.loneAccessors=new
Map,this.undefinedPrivateNames=new Map}}class Oe{constructor(e){this.stack=[],this.undefinedPrivateNames=new Map,this.raise=e}current(){return
this.stack[this.stack.length-1]}enter(){this.stack.push(new we)}exit(){const
e=this.stack.pop(),t=this.current();for(const[r,n]of
Array.from(e.undefinedPrivateNames))t.undefinedPrivateNames.has(r)||t.undefinedPrivateNames.set(r,n):this.raise
(n,T.InvalidPrivateFieldResolution,r)}declarePrivateName(e,t,r){const n=this.current();let
i=n.privateNames.has(e);if(3&t){const r=i&&n.loneAccessors.get(e);if(r){const
s=4&r,a=4&t;i=(3&r)===(3&t)||s!==a,i||n.loneAccessors.delete(e)}else
i||n.loneAccessors.set(e,t)}i&&this.raise(r,T.PrivateNameRedeclaration,e),n.privateNames.add(e),n.undefinedPrivat
eNames.delete(e)}usePrivateName(e,t){let r;for(r of
this.stack)if(r.privateNames.has(e))return;r?r.undefinedPrivateNames.set(e,t):this.raise(t,T.InvalidPrivateFieldResol
ution,e)}}class Ie{constructor(e=0){this.type=void 0,this.type=e}canBeArrowParameterDeclaration(){return
2===this.type||1===this.type}isCertainlyParameterDeclaration(){return 3===this.type}}class Ce extends
Ie{constructor(e){super(e),this.errors=new
Map}recordDeclarationError(e,t){this.errors.set(e,t)}clearDeclarationError(e){this.errors.delete(e)}iterateErrors(e){t

```



```

s)if(n.leadingComments[s].end<=e.start){e.leadingComments=n.leadingComments.splice(0,s+1);break} }else
if(this.state.leadingComments.length>0)if(m(this.state.leadingComments).end<=e.start){if(this.state.commentPreviousNode)for(a=0;a<this.state.leadingComments.length;a++)this.state.leadingComments[a].end<this.state.commentPreviousNode.end&&(this.state.leadingComments.splice(a,1),a--);this.state.leadingComments.length>0&&(e.leadingComments=this.state.leadingComments,this.state.leadingComments=[])}else{for(s=0;s<this.state.leadingComments.length&&!this.state.leadingComments[s].end>e.start);s++;const
t=this.state.leadingComments.slice(0,s);t.length&&(e.leadingComments=t),i=this.state.leadingComments.slice(s),0===i.length&&(i=null)}if(this.state.commentPreviousNode=e,i)if(i.length&&i[0].start>=e.start&&m(i).end<=e.end)e.innerComments=i;else{const
t=i.findIndex(t=>t.end>=e.end);t>0?(e.innerComments=i.slice(0,t),e.trailingComments=i.slice(t)):e.trailingComments=i;t.push(e)}{getLocationForPosition(e){let t;return
t=e===this.state.start?this.state.startLoc:e===this.state.lastTokStart?this.state.lastTokStartLoc:e===this.state.end?this.state.endLoc:e===this.state.lastTokEnd?this.state.lastTokEndLoc:function(e,t){let
r,n=1,i=0;for(c.lastIndex=0;(r=c.exec(e))&&r.index<t;)n++,i=c.lastIndex;return new h(n,t-i)}(this.input,e),t)raise(e,{code:t,reasonCode:r,template:n,...i){return
this.raiseWithData(e,{code:t,reasonCode:r},n,...i)}raiseOverwrite(e,{code:t,template:r},...n){const
i=this.getLocationForPosition(e),s=r.replace(/%(\d+)/g,(e,t)=>n[t])+`
(${i.line}:${i.column})`;if(this.options.errorRecovery){const t=this.state.errors;for(let r=t.length-1;r>=0;r--){const
n=t[r];if(n.pos===e)return Object.assign(n,{message:s});if(n.pos<e)break} }return
this._raise({code:t,loc:i,pos:e},s)}raiseWithData(e,t,r,...n){const
i=this.getLocationForPosition(e),s=r.replace(/%(\d+)/g,(e,t)=>n[t])+`
(${i.line}:${i.column})`;return
this._raise(Object.assign({loc:i,pos:e},t),s)}_raise(e,t){const r=new
SyntaxError(t);if(Object.assign(r,e),this.options.errorRecovery)return
this.isLookahead||this.state.errors.push(r),r;throw r}}constructor(e,t){super(),this.isLookahead=void
0,this.tokens=[],this.state=new
Se,this.state.init(e),this.input=t,this.length=t.length,this.isLookahead=!1}pushToken(e){this.tokens.length=this.state.tokensLength,this.tokens.push(e),++this.state.tokensLength}next(){this.isLookahead||(this.checkKeywordEscapes(),this.options.tokens&&this.pushToken(new
Ae(this.state))),this.state.lastTokEnd=this.state.end,this.state.lastTokStart=this.state.start,this.state.lastTokEndLoc=this.state.endLoc,this.state.lastTokStartLoc=this.state.startLoc,this.nextToken()}eat(e){return!!this.match(e)&&(this.next(),!0)}match(e){return this.state.type===e}lookahead(){const
e=this.state;this.state=e.clone(!0),this.isLookahead=!0,this.next(),this.isLookahead=!1;const t=this.state;return
this.state=e,t}nextTokenStart(){return
this.nextTokenStartSince(this.state.pos)}nextTokenStartSince(e){u.lastIndex=e;return
e+u.exec(this.input)[0].length}lookaheadCharCode(){return
this.input.charCodeAtAt(this.nextTokenStart())}codePointAtPos(e){let
t=this.input.charCodeAtAt(e);if(55296==(64512&t)&&+e<this.input.length){const
r=this.input.charCodeAtAt(e);56320==(64512&r)&&(t=65536+((1023&t)<<10)+(1023&r))}return
t}setStrict(e){this.state.strict=e,e&&(this.state.strictErrors.forEach((e,t)=>this.raise(t,e)),this.state.strictErrors.clear())}curContext(){return this.state.context[this.state.context.length-1]}nextToken(){const
e=this.curContext();if(null!=e&&e.preserveSpace||this.skipSpace(),this.state.start=this.state.pos,this.state.startLoc=this.state.curPosition(),this.state.pos>=this.length)return void this.finishToken(o.eof);const t=null===e?void
0:e.override;t?(this):this.getTokenFromCode(this.codePointAtPos(this.state.pos))}pushComment(e,t,r,n,i,s){const
a={type:e?"CommentBlock":"CommentLine",value:t,start:r,end:n,loc:new
f(i,s)};this.options.tokens&&this.pushToken(a),this.state.comments.push(a),this.addComment(a)}skipBlockComment(){const e=this.state.curPosition(),t=this.state.pos,r=this.input.indexOf("*/",this.state.pos+2);if(-1===r)throw
this.raise(t,T.UnterminatedComment);let

```

```

n;for(this.state.pos=r+2,c.lastIndex=t;(n=c.exec(this.input))&&n.index<this.state.pos;)+this.state.curLine,this.state.
lineStart=n.index+n[0].length;this.isLookahead||this.pushComment(!0,this.input.slice(t+2,r),t,this.state.pos,e,this.stat
e.curPosition())skipLineComment(e){const t=this.state.pos,r=this.state.curPosition();let
n=this.input.charCodeAt(this.state.pos+=e);if(this.state.pos<this.length)for(;!p(n)&&this.state.pos<this.length;)+n
=this.input.charCodeAt(this.state.pos);this.isLookahead||this.pushComment(!1,this.input.slice(t+e,this.state.pos),t,thi
s.state.pos,r,this.state.curPosition())skipSpace(){e:for(;this.state.pos<this.length;){const
e=this.input.charCodeAt(this.state.pos);switch(e){case 32:case 160:case 9:++this.state.pos;break;case
13:10===this.input.charCodeAt(this.state.pos+1)&&this.state.pos;case 10:case 8232:case
8233:++this.state.pos,++this.state.curLine,this.state.lineStart=this.state.pos;break;case
47:switch(this.input.charCodeAt(this.state.pos+1)){case 42:this.skipBlockComment();break;case
47:this.skipLineComment(2);break;default:break e}break;default:if(!d(e))break
e;this.state.pos}}finishToken(e,t){this.state.end=this.state.pos,this.state.endLoc=this.state.curPosition();const
r=this.state.type;this.state.type=e,this.state.value=t,this.isLookahead||this.updateContext(r)}readToken_numberSign(
){if(0===this.state.pos&&this.readToken_interpreter())return;const
e=this.state.pos+1,t=this.codePointAtPos(e);if(t>=48&&t<=57)throw
this.raise(this.state.pos,T.UnexpectedDigitAfterHash);if(123===t||91===t&&this.hasPlugin("recordAndTuple")){if(
this.expectPlugin("recordAndTuple"),"hash"!==this.getPluginOption("recordAndTuple","syntaxType"))throw
this.raise(this.state.pos,123===t?T.RecordExpressionHashIncorrectStartSyntaxType:T.TupleExpressionHashIncorrec
tStartSyntaxType);123===t?this.finishToken(o.braceHashL):this.finishToken(o.bracketHashL),this.state.pos+=2}e
lse
C(t)?(++this.state.pos,this.finishToken(o.privateName,this.readWord1(t)):92===t?(++this.state.pos,this.finishToker
n(o.privateName,this.readWord1())):this.finishOp(o.hash,1)}readToken_dot(){const
e=this.input.charCodeAt(this.state.pos+1);e>=48&&e<=57?this.readNumber(!0):46===e&&46===this.input.charC
odeAt(this.state.pos+2)?(this.state.pos+=3,this.finishToken(o.ellipsis)):++this.state.pos,this.finishToken(o.dot))}rea
dToken_slash(){if(this.state.exprAllowed&&!this.state.inType)return++this.state.pos,void
this.readRegexp();61===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.assign,2):this.finishOp(o.slash,1)}r
eadToken_interpreter(){if(0!==this.state.pos||this.length<2)return!1;let
e=this.input.charCodeAt(this.state.pos+1);if(33!==e)return!1;const
t=this.state.pos;for(this.state.pos+=1;!p(e)&&this.state.pos<this.length;)+e=this.input.charCodeAt(this.state.pos);c
onst r=this.input.slice(t+2,this.state.pos);return
this.finishToken(o.interpreterDirective,r,!0)}readToken_mult_modulo(e){let
t=42===e?o.star:o.modulo,r=1,n=this.input.charCodeAt(this.state.pos+1);const
i=this.state.exprAllowed;42===e&&42===n&&(r++,n=this.input.charCodeAt(this.state.pos+2),t=o.exponent),61!=
=n||i||(r++,t=o.assign),this.finishOp(t,r)}readToken_pipe_amp(e){const
t=this.input.charCodeAt(this.state.pos+1);if(t===e){if(124===e){if(62===t)return void
this.finishOp(o.pipeline,2);if(this.hasPlugin("recordAndTuple")&&125===t){if("bar"!==this.getPluginOption("reco
rdAndTuple","syntaxType"))throw this.raise(this.state.pos,T.RecordExpressionBarIncorrectEndSyntaxType);return
void
this.finishOp(o.braceBarR,2)}if(this.hasPlugin("recordAndTuple")&&93===t){if("bar"!==this.getPluginOption("re
cordAndTuple","syntaxType"))throw this.raise(this.state.pos,T.TupleExpressionBarIncorrectEndSyntaxType);return
void
this.finishOp(o.bracketBarR,2)}61!==t?this.finishOp(124===e?o.bitwiseOR:o.bitwiseAND,1):this.finishOp(o.assi
gn,2)}else
61===this.input.charCodeAt(this.state.pos+2)?this.finishOp(o.assign,3):this.finishOp(124===e?o.logicalOR:o.logic
alAND,2)}readToken_caret(){61===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.assign,2):this.finishOp
(o.bitwiseXOR,1)}readToken_plus_min(e){const t=this.input.charCodeAt(this.state.pos+1);if(t===e)return
45!==t||this.inModule||62!==this.input.charCodeAt(this.state.pos+2)||0!==this.state.lastTokEnd&&!this.hasPrecedin
gLineBreak()?void this.finishOp(o.incDec,2):(this.skipLineComment(3),this.skipSpace(),void

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this.nextToken());61===t?this.finishOp(o.assign,2):this.finishOp(o.plusMin,1)}readToken_lt_gt(e){const
t=this.input.charCodeAt(this.state.pos+1);let r=1;return
t===e?(r=62===e&&62===this.input.charCodeAt(this.state.pos+2)?3:2,61===this.input.charCodeAt(this.state.pos+
r)?void this.finishOp(o.assign,r+1):void
this.finishOp(o.bitShift,r):33!==t||60!==e||this.inModule||45!==this.input.charCodeAt(this.state.pos+2)||45!==this.in
put.charCodeAt(this.state.pos+3)?(61===t&&(r=2),void
this.finishOp(o.relational,r):(this.skipLineComment(4),this.skipSpace(),void
this.nextToken())}readToken_eq_excl(e){const t=this.input.charCodeAt(this.state.pos+1);if(61!==t)return
61===e&&62===t?(this.state.pos+=2,void this.finishToken(o.arrow)):void
this.finishOp(61===e?o.eq:o.bang,1);this.finishOp(o.equality,61===this.input.charCodeAt(this.state.pos+2)?3:2)}re
adToken_question(){const
e=this.input.charCodeAt(this.state.pos+1),t=this.input.charCodeAt(this.state.pos+2);63===e?61===t?this.finishOp(
o.assign,3):this.finishOp(o.nullishCoalescing,2):46!==e||t>=48&&t<=57?(++this.state.pos,this.finishToken(o.questi
on)):(this.state.pos+=2,this.finishToken(o.questionDot))}getTokenFromCode(e){switch(e){case 46:return void
this.readToken_dot();case 40:return++this.state.pos,void this.finishToken(o.parenL);case
41:return++this.state.pos,void this.finishToken(o.parenR);case 59:return++this.state.pos,void
this.finishToken(o.semi);case 44:return++this.state.pos,void this.finishToken(o.comma);case
91:if(this.hasPlugin("recordAndTuple")&&124===this.input.charCodeAt(this.state.pos+1)){if("bar"!==this.getPlugi
nOption("recordAndTuple","syntaxType"))throw
this.raise(this.state.pos,T.TupleExpressionBarIncorrectStartSyntaxType);this.finishToken(o.bracketBarL),this.state.
pos+=2}else++this.state.pos,this.finishToken(o.bracketL);return;case 93:return++this.state.pos,void
this.finishToken(o.bracketR);case
123:if(this.hasPlugin("recordAndTuple")&&124===this.input.charCodeAt(this.state.pos+1)){if("bar"!==this.getPlugi
nOption("recordAndTuple","syntaxType"))throw
this.raise(this.state.pos,T.RecordExpressionBarIncorrectStartSyntaxType);this.finishToken(o.braceBarL),this.state.p
os+=2}else++this.state.pos,this.finishToken(o.braceL);return;case 125:return++this.state.pos,void
this.finishToken(o.braceR);case 58:return
void(this.hasPlugin("functionBind")&&58===this.input.charCodeAt(this.state.pos+1)?this.finishOp(o.doubleColon,
2):(++this.state.pos,this.finishToken(o.colon));case 63:return void this.readToken_question();case
96:return++this.state.pos,void this.finishToken(o.backQuote);case 48:{const
e=this.input.charCodeAt(this.state.pos+1);if(120===e||88===e)return void
this.readRadixNumber(16);if(111===e||79===e)return void this.readRadixNumber(8);if(98===e||66===e)return
void this.readRadixNumber(2)}case 49:case 50:case 51:case 52:case 53:case 54:case 55:case 56:case 57:return void
this.readNumber(!1);case 34:case 39:return void this.readString(e);case 47:return void this.readToken_slash();case
37:case 42:return void this.readToken_mult_modulo(e);case 124:case 38:return void
this.readToken_pipe_amp(e);case 94:return void this.readToken_caret();case 43:case 45:return void
this.readToken_plus_min(e);case 60:case 62:return void this.readToken_lt_gt(e);case 61:case 33:return void
this.readToken_eq_excl(e);case 126:return void this.finishOp(o.tilde,1);case 64:return++this.state.pos,void
this.finishToken(o.at);case 35:return void this.readToken_numberSign();case 92:return void
this.readWord();default:if(C(e))return void this.readWord(e)}throw
this.raise(this.state.pos,T.InvalidOrUnexpectedToken,String.fromCodePoint(e))}finishOp(e,t){const
r=this.input.slice(this.state.pos,this.state.pos+t);this.state.pos+=t,this.finishToken(e,r)}readRegExp(){const
e=this.state.pos;let t,r;for(;;){if(this.state.pos>=this.length)throw this.raise(e,T.UnterminatedRegExp);const
n=this.input.charAt(this.state.pos);if(l.test(n))throw
this.raise(e,T.UnterminatedRegExp);if(t=!1}else{if("["]===n)r=!0;else if(""]===n&&r=!1;else
if("/")===n&&!r)break;t="\"===n}++this.state.pos}const n=this.input.slice(e,this.state.pos);++this.state.pos;let
i="";for(;this.state.pos<this.length;){const
e=this.input[this.state.pos],t=this.codePointAtPos(this.state.pos);if(Ee.has(e))i.indexOf(e)>-

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1 &&this.raise(this.state.pos+1,T.DuplicateRegExpFlags);else {if(!N(t)&&92!==(t))break;this.raise(this.state.pos+1,T.
MalformedRegExpFlags)}++this.state.pos,i+=e}this.finishToken(o.regexp,{pattern:n,flags:i})readInt(e,t,r,n=!0){c
onst i=this.state.pos,s=16===e?Pe.hex:Pe.decBinOct,a=16===e?ve.hex:10===e?ve.dec:8===e?ve.oct:ve.bin;let
o=!1,l=0;for(let i=0,c=null==t?1/0:t;i<c;++i){const t=this.input.charCodeAt(this.state.pos);let
c;if(95!==(t)){if(c=t>=97?t-97+10:t>=65?t-65+10:xe(t)?t-
48:1/0,c>=e)if(this.options.errorRecovery&&c<=9)c=0,this.raise(this.state.start+i+2,T.InvalidDigit,e);else {if(!r)bre
ak;c=0,o=!0}++this.state.pos,l=1*e+c}else {const e=this.input.charCodeAt(this.state.pos-
1),t=this.input.charCodeAt(this.state.pos+1);(-1===a.indexOf(t)||s.indexOf(e)>-1||s.indexOf(t)>-
1||Number.isNaN(t))&&this.raise(this.state.pos,T.UnexpectedNumericSeparator),n||this.raise(this.state.pos,T.Numer
icSeparatorInEscapeSequence),++this.state.pos} }return this.state.pos===i||null!=t&&this.state.pos-
i!==(t||o?null:l)readRadixNumber(e){const t=this.state.pos;let r=!1;this.state.pos+=2;const
n=this.readInt(e);null==n&&this.raise(this.state.start+2,T.InvalidDigit,e);const
i=this.input.charCodeAt(this.state.pos);if(110===i)++this.state.pos,r=!0;else if(109===i)throw
this.raise(t,T.InvalidDecimal);if(C(this.codePointAtPos(this.state.pos)))throw
this.raise(this.state.pos,T.NumberIdentifier);if(r){const
e=this.input.slice(t,this.state.pos).replace(/[_n]/g,"");this.finishToken(o.bigint,e)}else
this.finishToken(o.num,n)}readNumber(e){const t=this.state.pos;let
r=!1,n=!1,i=!1,s=!1,a=!1,e||null!==(this.readInt(10)||this.raise(t,T.InvalidNumber));const l=this.state.pos-
t>=2&&48===this.input.charCodeAt(t);if(l){const
e=this.input.slice(t,this.state.pos);if(this.recordStrictModeErrors(t,T.StrictOctalLiteral),!this.state.strict){const
r=e.indexOf("_");r>0&&this.raise(r+t,T.ZeroDigitNumericSeparator)}a=l&&!/[/89]/.test(e)}let
c=this.input.charCodeAt(this.state.pos);if(46!==(c||a||(++this.state.pos,this.readInt(10),r=!0,c=this.input.charCodeAt(t
his.state.pos)),69!==(c&&101!==(c||a||c=this.input.charCodeAt(++this.state.pos),43!==(c&&45!==(c||++this.state.pos,
null===this.readInt(10))&&this.raise(t,T.InvalidOrMissingExponent),r=!0,s=!0,c=this.input.charCodeAt(this.state.po
s)),110===c&&((r||l)&&this.raise(t,T.InvalidBigIntLiteral),++this.state.pos,n=!0),109===c&&(this.expectPlugin("d
ecimal",this.state.pos),(s||l)&&this.raise(t,T.InvalidDecimal),++this.state.pos,i=!0),C(this.codePointAtPos(this.state.
pos)))throw this.raise(this.state.pos,T.NumberIdentifier);const
p=this.input.slice(t,this.state.pos).replace(/[_mn]/g,"");if(n)return void this.finishToken(o.bigint,p);if(i)return void
this.finishToken(o.decimal,p);const
u=a?parseInt(p,8):parseFloat(p);this.finishToken(o.num,u)}readCodePoint(e){let
t;if(123===this.input.charCodeAt(this.state.pos)){const
r=++this.state.pos;if(t=this.readHexChar(this.input.indexOf("} ",this.state.pos)-
this.state.pos,!0,e),++this.state.pos,null!==(t&&t>1114111)){if(!e)return null;this.raise(r,T.InvalidCodePoint)} }else
t=this.readHexChar(4,!1,e);return t}readString(e){let
t="",r=++this.state.pos;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,T.UnterminatedString);const
n=this.input.charCodeAt(this.state.pos);if(n===e)break;if(92===n)t+=this.input.slice(r,this.state.pos),t+=this.readEs
capedChar(!1),r=this.state.pos;else
if(8232===n||8233===n)++this.state.pos,++this.state.curLine,this.state.lineStart=this.state.pos;else {if(p(n))throw
this.raise(this.state.start,T.UnterminatedString);++this.state.pos} }t+=this.input.slice(r,this.state.pos++),this.finishTo
ken(o.string,t)}readTplToken(){let e="",t=this.state.pos,r=!1;for(;;){if(this.state.pos>=this.length)throw
this.raise(this.state.start,T.UnterminatedTemplate);const
n=this.input.charCodeAt(this.state.pos);if(96===n||36===n&&123===this.input.charCodeAt(this.state.pos+1))retur
n this.state.pos===this.state.start&&this.match(o.template)?36===n?(this.state.pos+=2,void
this.finishToken(o.dollarBraceL)):(++this.state.pos,void
this.finishToken(o.backQuote)):(e+=this.input.slice(t,this.state.pos),void
this.finishToken(o.template,r?null:e));if(92===n){e+=this.input.slice(t,this.state.pos);const
n=this.readEscapedChar(!0);null===n?r=!0:e+=n,t=this.state.pos} }else

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if(p(n)){ switch(e+=this.input.slice(t,this.state.pos),++this.state.pos,n){ case
13:10===this.input.charCodeAtAt(this.state.pos)&&+++this.state.pos;case
10:e+="\n";break;default:e+=String.fromCharCode(n)}++this.state.curLine,this.state.lineStart=this.state.pos,t=this.s
tate.pos} else++this.state.pos} }recordStrictModeErrors(e,t){ this.state.strict&&!this.state.strictErrors.has(e)?this.raise
(e,t):this.state.strictErrors.set(e,t)}readEscapedChar(e){ const
t=!e,r=this.input.charCodeAtAt(++this.state.pos);switch(++this.state.pos,r){ case 110:return"\n";case
114:return"\r";case 120:{ const e=this.readHexChar(2,!1,t);return null===e?null:String.fromCharCode(e)}case
117:{ const e=this.readCodePoint(t);return null===e?null:String.fromCharCode(e)}case 116:return"\t";case
98:return"\b";case 118:return"\v";case 102:return"\f";case
13:10===this.input.charCodeAtAt(this.state.pos)&&+++this.state.pos;case
10:this.state.lineStart=this.state.pos,++this.state.curLine;case 8232:case 8233:return"";case 56:case 57:if(e)return
null;this.recordStrictModeErrors(this.state.pos-1,T.StrictNumericEscape);default:if(r>=48&&r<=55){ const
t=this.state.pos-1;let r=this.input.substr(this.state.pos-1,3).match(/[0-
7]+/)[0],n=parseInt(r,8);n>255&&(r=r.slice(0,-1),n=parseInt(r,8)),this.state.pos+=r.length-1;const
i=this.input.charCodeAtAt(this.state.pos);if("0"!==(r||56===i||57===i)){ if(e)return
null;this.recordStrictModeErrors(t,T.StrictNumericEscape)}return String.fromCharCode(n)}return
String.fromCharCode(r)} }readHexChar(e,t,r){ const n=this.state.pos,i=this.readInt(16,e,t,!1);return
null===i&&(r?this.raise(n,T.InvalidEscapeSequence):this.state.pos=n-
1),i}readWord1(e){ this.state.containsEsc=!1;let t="";const r=this.state.pos;let n=this.state.pos;for(void
0!==e&&(this.state.pos+=e<=65535?1:2);this.state.pos<this.length;){ const
e=this.codePointAtPos(this.state.pos);if(N(e))this.state.pos+=e<=65535?1:2;else{ if(92!==e)break;{ this.state.contain
sEsc=!0,t+=this.input.slice(n,this.state.pos);const
e=this.state.pos,i=this.state.pos===r?C:N;if(117!==(this.input.charCodeAtAt(++this.state.pos))){ this.raise(this.state.pos,
T.MissingUnicodeEscape),n=this.state.pos-1;continue} ++this.state.pos;const
s=this.readCodePoint(!0);null!==s&&(i(s)||this.raise(e,T.EscapedCharNotAnIdentifier),t+=String.fromCharCode(s)
),n=this.state.pos} } }return t+this.input.slice(n,this.state.pos)}readWord(e){ const
t=this.readWord1(e),r=i.get(t)||o.name;this.finishToken(r,t)}checkKeywordEscapes(){ const
e=this.state.type.keyword;e&&this.state.containsEsc&&this.raise(this.state.start,T.InvalidEscapedReservedWord,e)
}braceIsBlock(e){ const t=this.curContext();return
t===x.functionExpression||t===x.functionStatement||(e!==(o.colon||t===x.braceStatement&&t===x.braceExpression?
e===o._return||e===o.name&&this.state.exprAllowed?this.hasPrecedingLineBreak():e===o._else||e===o.semi||e===
=o.eof||e===o.parenR||e===o.arrow||(e===o.braceL?t===x.braceStatement:e!==(o._var&&e!==(o._const&&e!==(o.na
me&&(e===o.relational||!this.state.exprAllowed)):!t.isExpr)}updateContext(e){ const t=this.state.type;let
r;!t.keyword||e!==(o.dot&&e!==(o.questionDot?(r=t.updateContext)?r.call(this,e):this.state.exprAllowed=t.beforeExp
r:this.state.exprAllowed=!1)} } }addExtra(e,t,r){ if(!e)return;(e.extra=e.extra||{})[t]=r}isRelational(e){ return
this.match(o.relational)&&this.state.value===e}expectRelational(e){ this.isRelational(e)?this.next():this.unexpected(
null,o.relational)}isContextual(e){ return
this.match(o.name)&&this.state.value===e&&!this.state.containsEsc}isUnparsedContextual(e,t){ const
r=e+t.length;return
this.input.slice(e,r)===t&&(r===this.input.length?!N(this.input.charCodeAtAt(r)))}isLookaheadContextual(e){ const
t=this.nextTokenStart();return this.isUnparsedContextual(t,e)}eatContextual(e){ return
this.isContextual(e)&&this.eat(o.name)}expectContextual(e,t){ this.eatContextual(e)||this.unexpected(null,t)}canInse
rtSemicolon(){ return
this.match(o.eof)||this.match(o.braceR)||this.hasPrecedingLineBreak()}hasPrecedingLineBreak(){ return
l.test(this.input.slice(this.state.lastTokEnd,this.state.start))}hasFollowingLineBreak(){ return
l.test(this.input.slice(this.state.end,this.nextTokenStart()))}isLineTerminator(){ return
this.eat(o.semi)||this.canInsertSemicolon()}semicolon(e=!0){ (e?this.isLineTerminator():this.eat(o.semi))||this.raise(t
his.state.lastTokEnd,T.MissingSemicolon)}expect(e,t){ this.eat(e)||this.unexpected(t,e)}assertNoSpace(e="Unexpect

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space.") { this.state.start > this.state.lastTokEnd && this.raise(this.state.lastTokEnd, { code: y.SyntaxError, reasonCode: "UnexpectedSpace", template: e }) unexpected(e, t = { code: y.SyntaxError, reasonCode: "UnexpectedToken", template: "Unexpected token" }) { throw t instanceof Error && (t = { code: y.SyntaxError, reasonCode: "UnexpectedToken", template: `Unexpected token, expected "${t.label}"` }), this.raise(null != e ? e : this.state.start, t) } expectPlugin(e, t) { if (!this.hasPlugin(e)) throw this.raiseWithData(null != t ? t : this.state.start, { missingPlugin: [e] }, `This experimental syntax requires enabling the parser plugin: "${e}"`); return !0 } expectOnePlugin(e, t) { if (!e.some(e => this.hasPlugin(e))) throw this.raiseWithData(null != t ? t : this.state.start, { missingPlugin: e }, `This experimental syntax requires enabling one of the following parser plugin(s): "${e.join(", ")}`) } tryParse(e, t = this.state.clone()) { const r = { node: null }; try { const n = e((e = null) => { throw r.node = e, r }); if (this.state.errors.length > t.errors.length) { const e = this.state; return this.state = t, this.state.tokensLength = e.tokensLength, { node: n, error: e.errors[t.errors.length], thrown: !1, aborted: !1, failState: e } } return { node: n, error: null, thrown: !1, aborted: !1, failState: null } } catch (e) { const n = this.state; if (this.state = t, e instanceof SyntaxError) return { node: null, error: e, thrown: !0, aborted: !1, failState: n }; if (e === r) return { node: r.node, error: null, thrown: !1, aborted: !0, failState: n }; throw e } } checkExpressionErrors(e, t) { if (!e) return !1; const { shorthandAssign: r, doubleProto: n } = e; if (!t) return r >= 0 || n >= 0; r >= 0 && this.unexpected(r, n >= 0 && this.raise(n, T.DuplicateProto) ) isLiteralPropertyName() { return this.match(o.name) || !this.state.type.keyword || this.match(o.string) || this.match(o.num) || this.match(o.bigint) || this.match(o.decimal) } isPrivateName(e) { return "PrivateName" === e.type } getPrivateNameSV(e) { return e.id.name } hasPropertyAsPrivateName(e) { return ("MemberExpression" === e.type || "OptionalMemberExpression" === e.type) && this.isPrivateName(e.property) } isOptionalChain(e) { return "OptionalMemberExpression" === e.type || "OptionalCallExpression" === e.type } isObjectProperty(e) { return "ObjectProperty" === e.type } isObjectMethod(e) { return "ObjectMethod" === e.type } initializeScopes(e = "module" === this.options.sourceType) { const t = this.state.labels; this.state.labels = []; const r = this.state.exportedIdentifiers; this.state.exportedIdentifiers = []; const n = this.inModule; this.inModule = e; const i = this.scope, s = this.getScopeHandler(); this.scope = new s(this.raise.bind(this), this.inModule); const a = this.prodParam; this.prodParam = new ae; const o = this.classScope; this.classScope = new Oe(this.raise.bind(this)); const l = this.expressionScope; return this.expressionScope = new Ne(this.raise.bind(this), () => { this.state.labels = t, this.state.exportedIdentifiers = r, this.inModule = n, this.scope = i, this.prodParam = a, this.classScope = o, this.expressionScope = l }) } enterInitialScopes() { let e = 0; this.hasPlugin("topLevelAwait") && this.inModule && (e |= 2), this.scope.enter(1), this.prodParam.enter(e) } } startNode() { return new _e(this, this.state.start, this.state.startLoc) } startNodeAt(e, t) { return new _e(this, e, t) } startNodeAtNode(e) { return this.startNodeAt(e.start, e.loc.start) } finishNode(e, t) { return this.finishNodeAt(e, t, this.state.lastTokEnd, this.state.lastTokEndLoc) } finishNodeAt(e, t, r, n) { return e.type = t, e.end = r, e.loc.end = n, this.options.ranges && (e.range[1] = r), this.processComment(e, e) } resetStartLocation(e, t, r) { e.start = t, e.loc.start = r, this.options.ranges && (e.range[0] = t) } resetEndLocation(e, t = this.state.lastTokEnd, r = this.state.lastTokEndLoc) { e.end = t, e.loc.end = r, this.options.ranges && (e.range[1] = t) } resetStartLocationFromNode(e, t) { this.resetStartLocation(e, t.start, t.loc.start) } } } toAssignable(e, t = !1) { var r, n; let i = void 0; switch(("ParenthesizedExpression" === e.type || null != (r = e.extra) && r.parenthesized) && (i = Le(e), t ? "Identifier" === i.type ? this.expressionScope.recordParenthesizedIdentifierError(e.start, T.InvalidParenthesizedAssignment): "MemberExpression" !== i.type && this.raise(e.start, T.InvalidParenthesizedAssignment): this.raise(e.start, T.InvalidParenthesizedAssignment)), e.type) { case "Identifier": case "ObjectPattern": case "ArrayPattern": case "AssignmentPattern": break; case "ObjectExpression": e.type = "ObjectPattern"; for (let r = 0, n = e.properties.length, i = n - 1; r < n; r++) { var s; const n = e.properties[r], a = r === i; this.toAssignableObjectExpressionProp(n, a, t, a && "RestElement" === n.type && null != (s = e.extra) && s.trailingComma && this.raiseRestNotLast(e.extra.trailingComma)) } break; case "ObjectProperty": this.toAssignable(e.value, t); break; case "SpreadElement": { this.checkToRestConversion(e), e.type = "RestElement"; const r = e.argument; this.toAssignable(r, t); break } case "ArrayExpression": e.type = "ArrayPattern", this.toAssignableList(e.elements, t); break } }
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ments,null==(n=e.extra)?void
0:n.trailingComma,t);break;case"AssignmentExpression":!=""!=="operator"&&this.raise(e.left.end,T.MissingEqInAs
signment),e.type="AssignmentPattern",delete
e.operator,this.toAssignable(e.left,t);break;case"ParenthesizedExpression":this.toAssignable(i,t)}return
e}toAssignableObjectExpressionProp(e,t,r){if("ObjectMethod"===e.type){const
t="get"===e.kind||"set"===e.kind?T.PatternHasAccessor:T.PatternHasMethod;this.raise(e.key.start,t)}else"SpreadE
lement"!==e.type||t?this.toAssignable(e,r):this.raiseRestNotLast(e.start)}toAssignableList(e,t,r){let
n=e.length;if(n){const i=e[n-1];if("RestElement"===(null==i?void 0:i.type))--n;else
if("SpreadElement"===(null==i?void 0:i.type)){i.type="RestElement";let
e=i.argument;this.toAssignable(e,r),e=Le(e),"Identifier"!==e.type&&"MemberExpression"!==e.type&&"ArrayPatter
n"!==e.type&&"ObjectPattern"!==e.type&&this.unexpected(e.start),t&&this.raiseTrailingCommaAfterRest(t,--
n)}for(let t=0;t<n;t++){const
n=e[t];n&&(this.toAssignable(n,r),"RestElement"===n.type&&this.raiseRestNotLast(n.start))}return
e}toReferencedList(e,t){return e}toReferencedListDeep(e,t){this.toReferencedList(e,t);for(const t of
e)"ArrayExpression"===(null==t?void 0:t.type)&&this.toReferencedListDeep(t.elements)}parseSpread(e,t){const
r=this.startNode();return this.next(),r.argument=this.parseMaybeAssignAllowIn(e,void
0,t),this.finishNode(r,"SpreadElement")}parseRestBinding(){const e=this.startNode();return
this.next(),e.argument=this.parseBindingAtom(),this.finishNode(e,"RestElement")}parseBindingAtom(){switch(this
.state.type){case o.bracketL:{const e=this.startNode();return
this.next(),e.elements=this.parseBindingList(o.bracketR,93,!0),this.finishNode(e,"ArrayPattern")}case
o.braceL:return this.parseObjectLike(o.braceR,!0)}return this.parseIdentifier()}parseBindingList(e,t,r,n){const
i=[];let
s=!0;for(;!this.eat(e);)if(s?s=!1:this.expect(o.comma),r&&this.match(o.comma))i.push(null);else{if(this.eat(e))break
;if(this.match(o.ellipsis)){i.push(this.parseAssignableListItemTypes(this.parseRestBinding()));this.checkCommaAft
erRest(t),this.expect(e);break}{const
e=[];for(this.match(o.at)&&this.hasPlugin("decorators")&&this.raise(this.state.start,T.UnsupportedParameterDecora
tor);this.match(o.at);)e.push(this.parseDecorator());i.push(this.parseAssignableListItem(n,e))}return
i}parseAssignableListItem(e,t){const r=this.parseMaybeDefault();this.parseAssignableListItemTypes(r);const
n=this.parseMaybeDefault(r.start,r.loc.start,r);return
t.length&&(r.decorators=t),n}parseAssignableListItemTypes(e){return e}parseMaybeDefault(e,t,r){var
n,i,s;if(t=null!=(n=t)?n:this.state.startLoc,e=null!=(i=e)?i:this.state.start,r=null!=(s=r)?s:this.parseBindingAtom(),!th
is.eat(o.eq))return r;const a=this.startNodeAt(e,t);return
a.left=r,a.right=this.parseMaybeAssignAllowIn(),this.finishNode(a,"AssignmentPattern")}checkLVal(e,t,r=64,n,i,s=
!1){switch(e.type){case"Identifier":{const{name:t}=e,this.state.strict&&(s?B(t,this.inModule):R(t))&&this.raise(e.s
tart,64===r?T.StrictEvalArguments:T.StrictEvalArgumentsBinding,t),n&&(n.has(t)?this.raise(e.start,T.ParamDupe)
:n.add(t)),i&&"let"===t&&this.raise(e.start,T.LetInLexicalBinding),64&r||this.scope.declareName(t,r,e.start);break}
case"MemberExpression":64!==r&&this.raise(e.start,T.InvalidPropertyBindingPattern);break;case"ObjectPattern":f
or(let t of e.properties){if(this.isObjectProperty(t))t=t.value;else
if(this.isObjectMethod(t))continue;this.checkLVal(t,"object destructuring
pattern",r,n,i)}break;case"ArrayPattern":for(const t of e.elements)t&&this.checkLVal(t,"array destructuring
pattern",r,n,i);break;case"AssignmentPattern":this.checkLVal(e.left,"assignment
pattern",r,n);break;case"RestElement":this.checkLVal(e.argument,"rest
element",r,n);break;case"ParenthesizedExpression":this.checkLVal(e.expression,"parenthesized
expression",r,n);break;default:this.raise(e.start,64===r?T.InvalidLhs:T.InvalidLhsBinding,t)}checkToRestConversi
on(e){"Identifier"!==e.argument.type&&"MemberExpression"!==e.argument.type&&this.raise(e.argument.start,T.I
nvalidRestAssignmentPattern)}checkCommaAfterRest(e){this.match(o.comma)&&(this.lookaheadCharCode()===e
?this.raiseTrailingCommaAfterRest(this.state.start):this.raiseRestNotLast(this.state.start))}raiseRestNotLast(e){thro
w

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this.raise(e,T.ElementAfterRest)}raiseTrailingCommaAfterRest(e){this.raise(e,T.RestTrailingComma)}}{checkProto(e,t,r,n){if("SpreadElement"===e.type||this.isObjectMethod(e)||e.computed||e.shorthand)return;const i=e.key;if("__proto__"===("Identifier"===i.type?i.name:i.value)){if(t)return void this.raise(i.start,T.RecordNoProto);r.used&&(n?1===n.doubleProto&&(n.doubleProto=i.start):this.raise(i.start,T.DuplicateProto)),r.used=!0}}shouldExitDescending(e,t){return"ArrowFunctionExpression"===e.type&&e.start===t}getExpression(){let e=0;this.hasPlugin("topLevelAwait")&&this.inModule&&(e|=2),this.scope.enter(1),this.prodParam.enter(e),this.nextToken();const t=this.parseExpression();return this.match(o.eof)||this.unexpected(),t.comments=this.state.comments,t.errors=this.state.errors,this.options.tokens&&(t.tokens=this.tokens),t}parseExpression(e,t){return e?this.disallowInAnd(=>this.parseExpressionBase(t)):this.allowInAnd(=>this.parseExpressionBase(t))}parseExpressionBase(e){const t=this.state.start,r=this.state.startLoc,n=this.parseMaybeAssign(e);if(this.match(o.comma)){const i=this.startNodeAt(t,r);for(i.expressions=[n];this.eat(o.comma);i.expressions.push(this.parseMaybeAssign(e)));return this.toReferencedList(i.expressions),this.finishNode(i,"SequenceExpression")}return n}parseMaybeAssignDisallowIn(e,t,r){return this.disallowInAnd(=>this.parseMaybeAssign(e,t,r))}parseMaybeAssignAllowIn(e,t,r){return this.allowInAnd(=>this.parseMaybeAssign(e,t,r))}parseMaybeAssign(e,t,r){const n=this.state.start,i=this.state.startLoc;if(this.isContextual("yield")&&this.prodParam.hasYield){this.state.exprAllowed=!0;let e=this.parseYield();return t&&(e=t.call(this,e,n,i)),e}let s;e?s=!1:(e=new De,s=!0),(this.match(o.parenL)||this.match(o.name))&&(this.state.potentialArrowAt=this.state.start);let a=this.parseMaybeConditional(e,r);if(t&&(a=t.call(this,a,n,i)),this.state.type.isAssign){const t=this.startNodeAt(n,i),r=this.state.value;return t.operator=r,this.match(o.eq)?(t.left=this.toAssignable(a,!0),e.doubleProto=-1):t.left=a,e.shorthandAssign>=t.left.start&&(e.shorthandAssign=-1),this.checkLVal(a,"assignment expression"),this.next(),t.right=this.parseMaybeAssign(),this.finishNode(t,"AssignmentExpression")}return s&&this.checkExpressionErrors(e,!0),a}parseMaybeConditional(e,t){const r=this.state.start,n=this.state.startLoc,i=this.state.potentialArrowAt,s=this.parseExprOps(e);return this.shouldExitDescending(s,i)?s:this.parseConditional(s,r,n,t)}parseConditional(e,t,r,n){if(this.eat(o.question)){const n=this.startNodeAt(t,r);return n.test=e,n.consequent=this.parseMaybeAssignAllowIn(),this.expect(o.colon),n.alternate=this.parseMaybeAssign(),this.finishNode(n,"ConditionalExpression")}return e}parseExprOps(e){const t=this.state.start,r=this.state.startLoc,n=this.state.potentialArrowAt,i=this.parseMaybeUnary(e);return this.shouldExitDescending(i,n)?i:this.parseExprOp(i,t,r,-1)}parseExprOp(e,t,r,n){let i=this.state.type.binop;if(null!=i&&(this.prodParam.hasIn||!this.match(o._in))&&i>n){const s=this.state.type;if(s===o.pipeline){if(this.expectPlugin("pipelineOperator"),this.state.inFSharpPipelineDirectBody)return e;this.state.inPipeline=!0,this.checkPipelineAtInfixOperator(e,t)}const a=this.startNodeAt(t,r);a.left=e,a.operator=this.state.value;const l=s===o.logicalOR||s===o.logicalAND,c=s===o.nullishCoalescing;if(c&&(i=o.logicalAND.binop),this.next(),s===o.pipeline&&"minimal"===this.getPluginOption("pipelineOperator","proposal")&&this.match(o.name)&&"await"===this.state.value&&this.prodParam.hasAwait)throw this.raise(this.state.start,T.UnexpectedAwaitAfterPipelineBody);a.right=this.parseExprOpRightExpr(s,i),this.finishNode(a,l|c?"LogicalExpression":"BinaryExpression");const p=this.state.type;if(c&&(p===o.logicalOR||p===o.logicalAND)||l&&p===o.nullishCoalescing)throw this.raise(this.state.start,T.MixingCoalesceWithLogical);return this.parseExprOp(a,t,r,n)}return e}parseExprOpRightExpr(e,t){const r=this.state.start,n=this.state.startLoc;switch(e){case o.pipeline:switch(this.getPluginOption("pipelineOperator","proposal")){case"smart":return this.withTopicPermittingContext(=>this.parseSmartPipelineBody(this.parseExprOpBaseRightExpr(e,t),r,n));case"f

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sharp":return this.withSoloAwaitPermittingContext(=>this.parseFSharpPipelineBody(t))}default:return
this.parseExprOpBaseRightExpr(e,t)}parseExprOpBaseRightExpr(e,t){const
r=this.state.start,n=this.state.startLoc;return this.parseExprOp(this.parseMaybeUnary(),r,n,e.rightAssociative?t-
1:t)}checkExponentialAfterUnary(e){this.match(o.exponent)&&this.raise(e.argument.start,T.UnexpectedTokenUna
ryExponentiation)}parseMaybeUnary(e,t){const
r=this.state.start,n=this.state.startLoc,i=this.isContextual("await");if(i&&this.isAwaitAllowed()){this.next();const
e=this.parseAwait(r,n);return
t||this.checkExponentialAfterUnary(e,e)}if(this.isContextual("module")&&123===this.lookaheadCharCode())&&!th
is.hasFollowingLineBreak())return this.parseModuleExpression();const
s=this.match(o.incDec),a=this.startNode();if(this.state.type.prefix){a.operator=this.state.value,a.prefix=!0,this.match
(o._throw)&&this.expectPlugin("throwExpressions");const
r=this.match(o._delete);if(this.next(),a.argument=this.parseMaybeUnary(null,!0),this.checkExpressionErrors(e,!0),th
is.state.strict&&r){const
e=a.argument;"Identifier"===e.type?this.raise(a.start,T.StrictDelete):this.hasPropertyAsPrivateName(e)&&this.raise
(a.start,T.DeletePrivateField)}if(!s)return
t||this.checkExponentialAfterUnary(a,this.finishNode(a,"UnaryExpression"))}const
l=this.parseUpdate(a,s,e);if(i){if((this.hasPlugin("v8intrinsic"))?this.state.type.startsExpr:this.state.type.startsExpr&
&!this.match(o.modulo))&&!this.isAmbiguousAwait())return
this.raiseOverwrite(r,this.hasPlugin("topLevelAwait")?T.AwaitNotInAsyncContext:T.AwaitNotInAsyncFunction),t
his.parseAwait(r,n)}return l}parseUpdate(e,t,r){if(t)return this.checkLVal(e.argument,"prefix
operation"),this.finishNode(e,"UpdateExpression");const n=this.state.start,i=this.state.startLoc;let
s=this.parseExprSubscripts(r);if(this.checkExpressionErrors(r,!1))return
s;for(;this.state.type.postfix&&!this.canInsertSemicolon();){const
e=this.startNodeAt(n,i);e.operator=this.state.value,e.prefix=!1,e.argument=s,this.checkLVal(s,"postfix
operation"),this.next(),s=this.finishNode(e,"UpdateExpression")}return s}parseExprSubscripts(e){const
t=this.state.start,r=this.state.startLoc,n=this.state.potentialArrowAt,i=this.parseExprAtom(e);return
this.shouldExitDescending(i,n)?i:this.parseSubscripts(i,t,r)}parseSubscripts(e,t,r,n){const
i={optionalChainMember:!1,maybeAsyncArrow:this.atPossibleAsyncArrow(e),stop:!1};do{e=this.parseSubscript(e,
t,r,n,i),i.maybeAsyncArrow=!1}while(!i.stop);return
e}parseSubscript(e,t,r,n,i){if(!n&&this.eat(o.doubleColon))return
this.parseBind(e,t,r,n,i);if(this.match(o.backQuote))return this.parseTaggedTemplateExpression(e,t,r,i);let
s=!1;if(this.match(o.questionDot)){if(n&&40===this.lookaheadCharCode())return
i.stop=!0,e;i.optionalChainMember=s=!0,this.next()}return!n&&this.match(o.parenL)?this.parseCoverCallAndAsyn
cArrowHead(e,t,r,i,s):s||this.match(o.bracketL)||this.eat(o.dot)?this.parseMember(e,t,r,i,s):(i.stop=!0,e)}parseMembe
r(e,t,r,n,i){const s=this.startNodeAt(t,r),a=this.eat(o.bracketL);s.object=e,s.computed=a;const
l=!a&&this.match(o.privateName)&&this.state.value,c=a?this.parseExpression():!this.parsePrivateName():this.pars
eIdentifier(!0);return!l!==l&&("Super"===s.object.type&&this.raise(t,T.SuperPrivateField),this.classScope.usePriv
ateName(l,c.start),s.property=c,a&&this.expect(o.bracketR),n.optionalChainMember?(s.optional=i,this.finishNode(
s,"OptionalMemberExpression")):this.finishNode(s,"MemberExpression")}parseBind(e,t,r,n,i){const
s=this.startNodeAt(t,r);return
s.object=e,s.callee=this.parseNoCallExpr(),i.stop=!0,this.parseSubscripts(this.finishNode(s,"BindExpression"),t,r,n)
}parseCoverCallAndAsyncArrowHead(e,t,r,n,i){const
s=this.state.maybeInArrowParameters;this.state.maybeInArrowParameters=!0,this.next();let
a=this.startNodeAt(t,r);return a.callee=e,n.maybeAsyncArrow&&this.expressionScope.enter(new
Ce(2)),n.optionalChainMember&&(a.optional=i),a.arguments=i?this.parseCallExpressionArguments(o.parenR,!1):t
his.parseCallExpressionArguments(o.parenR,n.maybeAsyncArrow,"Import"===e.type,"Super"!==e.type,a),this.fini
shCallExpression(a,n.optionalChainMember),n.maybeAsyncArrow&&this.shouldParseAsyncArrow()&&!i?(n.stop
=!0,this.expressionScope.validateAsPattern(),this.expressionScope.exit(),a=this.parseAsyncArrowFromCallExpressi

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on(this.startNodeAt(t,r,a)):(n.maybeAsyncArrow&&this.expressionScope.exit(),this.toReferencedArguments(a)),th
is.state.maybeInArrowParameters=s,a}toReferencedArguments(e,t){this.toReferencedListDeep(e.arguments,t)}pars
eTaggedTemplateExpression(e,t,r,n){const i=this.startNodeAt(t,r);return
i.tag=e,i.quasi=this.parseTemplate(!0,n.optionalChainMember&&this.raise(t,T.OptionalChainingNoTemplate),this.
finishNode(i,"TaggedTemplateExpression")}atPossibleAsyncArrow(e){return"Identifier"===e.type&&"async"===e
.name&&this.state.lastTokEnd===e.end&&!this.canInsertSemicolon()&&e.end-
e.start===5&&e.start===this.state.potentialArrowAt}finishCallExpression(e,t){if("Import"===e.callee.type)if(2===e
.arguments.length&&(this.hasPlugin("moduleAttributes")||this.expectPlugin("importAssertions")),0===e.arguments.
length||e.arguments.length>2)this.raise(e.start,T.ImportCallArity,this.hasPlugin("importAssertions")||this.hasPlugin(
"moduleAttributes")?"one or two arguments":"one argument");else for(const t of
e.arguments)"SpreadElement"===t.type&&this.raise(t.start,T.ImportCallSpreadArgument);return
this.finishNode(e,t?"OptionalCallExpression":"CallExpression")}parseCallExpressionArguments(e,t,r,n,i){const
s=[];let a=!0;const
l=this.state.inFSharpPipelineDirectBody;for(this.state.inFSharpPipelineDirectBody=!1;!this.eat(e);){if(a)a=!1;else
if(this.expect(o.comma),this.match(e)){!r||this.hasPlugin("importAssertions")||this.hasPlugin("moduleAttributes")||th
is.raise(this.state.lastTokStart,T.ImportCallArgumentTrailingComma),i&&this.addExtra(i,"trailingComma",this.stat
e.lastTokStart),this.next();break}s.push(this.parseExprListItem(!1,t?new De:void 0,t?:start:0):void 0,n))}return
this.state.inFSharpPipelineDirectBody=l,s}shouldParseAsyncArrow(){return
this.match(o.arrow)&&!this.canInsertSemicolon()}parseAsyncArrowFromCallExpression(e,t){var r;return
this.expect(o.arrow),this.parseArrowExpression(e,t.arguments,!0,null==(r=t.extra)?void
0:r.trailingComma),e}parseNoCallExpr(){const e=this.state.start,t=this.state.startLoc;return
this.parseSubscripts(this.parseExprAtom(),e,t,!0)}parseExprAtom(e){this.state.type===o.slash&&this.readRegexp()
;const t=this.state.potentialArrowAt===this.state.start;let r;switch(this.state.type){case o._super:return
this.parseSuper();case o._import:return
r=this.startNode(),this.next(),this.match(o.dot)?this.parseImportMetaProperty(r):(this.match(o.parenL)||this.raise(this
.state.lastTokStart,T.UnsupportedImport),this.finishNode(r,"Import"));case o._this:return
r=this.startNode(),this.next(),this.finishNode(r,"ThisExpression");case o.name:{const
e=this.state.containsEsc,r=this.parseIdentifier();if(!e&&"async"===r.name&&!this.canInsertSemicolon()){if(this.m
atch(o._function)){const e=this.state.context.length-1;if(this.state.context[e]!==x.functionStatement)throw new
Error("Internal error");return
this.state.context[e]=x.functionExpression,this.next(),this.parseFunction(this.startNodeAtNode(r),void
0,!0)}if(this.match(o.name))return
61===this.lookaheadCharCode()?this.parseAsyncArrowUnaryFunction(r):r;if(this.match(o._do))return
this.parseDo(!0)}return
t&&this.match(o.arrow)&&!this.canInsertSemicolon()?(this.next(),this.parseArrowExpression(this.startNodeAtNod
e(r),[r,!1]):r}case o._do:return this.parseDo(!1);case o.regexp:{const e=this.state.value;return
r=this.parseLiteral(e.value,"RegExpLiteral"),r.pattern=e.pattern,r.flags=e.flags,r}case o.num:return
this.parseLiteral(this.state.value,"NumericLiteral");case o.bigint:return
this.parseLiteral(this.state.value,"BigIntLiteral");case o.decimal:return
this.parseLiteral(this.state.value,"DecimalLiteral");case o.string:return
this.parseLiteral(this.state.value,"StringLiteral");case o._null:return
r=this.startNode(),this.next(),this.finishNode(r,"NullLiteral");case o._true:case o._false:return
this.parseBooleanLiteral();case o.parenL:return this.parseParenAndDistinguishExpression(t);case
o.bracketBarL:case o.bracketHashL:return
this.parseArrayLike(this.state.type===o.bracketBarL?o.bracketBarR:o.bracketR,!1,!0,e);case o.bracketL:return
this.parseArrayLike(o.bracketR,!0,!1,e);case o.braceBarL:case o.braceHashL:return
this.parseObjectLike(this.state.type===o.braceBarL?o.braceBarR:o.braceR,!1,!0,e);case o.braceL:return
this.parseObjectLike(o.braceR,!1,!1,e);case o._function:return this.parseFunctionOrFunctionSent();case

```



```

o.at:this.parseDecorators();case o._class:return r=this.startNode(),this.takeDecorators(r),this.parseClass(r,!1);case
o._new:return this.parseNewOrNewTarget();case o.backQuote:return this.parseTemplate(!1);case
o.doubleColon:{r=this.startNode(),this.next(),r.object=null;const
e=r.callee=this.parseNoCallExpr();if("MemberExpression"===e.type)return
this.finishNode(r,"BindExpression");throw this.raise(e.start,T.UnsupportedBind)}case o.privateName:{const
e=this.state.start,t=this.state.value;if(r=this.parsePrivateName(),this.match(o._in))this.expectPlugin("privateIn"),this.
classScope.usePrivateName(t,r.start);else{if(!this.hasPlugin("privateIn"))throw
this.unexpected(e);this.raise(this.state.start,T.PrivateInExpectedIn,t)}return r}case
o.hash:if(this.state.inPipeline)return
r=this.startNode(),"smart"!==this.getPluginOption("pipelineOperator","proposal")&&this.raise(r.start,T.PrimaryTop
icRequiresSmartPipeline),this.next(),this.primaryTopicReferenceIsAllowedInCurrentTopicContext()||this.raise(r.star
t,T.PrimaryTopicNotAllowed),this.registerTopicReference(),this.finishNode(r,"PipelinePrimaryTopicReference");ca
se o.relational:if("<"===this.state.value){const
e=this.input.codePointAt(this.nextTokenStart());(C(e)||62===e)&&this.expectOnePlugin(["jsx","flow","typescript"]
)}default:throw this.unexpected()}parseAsyncArrowUnaryFunction(e){const
t=this.startNodeAtNode(e);this.prodParam.enter(oe(!0,this.prodParam.hasYield));const
r=[this.parseIdentifier()];return
this.prodParam.exit(),this.hasPrecedingLineBreak()&&this.raise(this.state.pos,T.LineTerminatorBeforeArrow),this.e
xpect(o.arrow),this.parseArrowExpression(t,r,!0,t)}parseDo(e){this.expectPlugin("doExpressions"),e&&this.expect
Plugin("asyncDoExpressions");const t=this.startNode();t.async=e,this.next();const r=this.state.labels;return
this.state.labels=[],e?(this.prodParam.enter(2),t.body=this.parseBlock(),this.prodParam.exit():t.body=this.parseBloc
k(),this.state.labels=r,this.finishNode(t,"DoExpression"))parseSuper(){const e=this.startNode();return
this.next(),!this.match(o.parenL)||this.scope.allowDirectSuper||this.options.allowSuperOutsideMethod?this.scope.all
owSuper||this.options.allowSuperOutsideMethod||this.raise(e.start,T.UnexpectedSuper):this.raise(e.start,T.SuperNot
Allowed),this.match(o.parenL)||this.match(o.bracketL)||this.match(o.dot)||this.raise(e.start,T.UnsupportedSuper),this.
finishNode(e,"Super")}parseBooleanLiteral(){const e=this.startNode();return
e.value=this.match(o._true),this.next(),this.finishNode(e,"BooleanLiteral")}parseMaybePrivateName(e){return
this.match(o.privateName)?(e||this.raise(this.state.start+1,T.UnexpectedPrivateField),this.parsePrivateName()):this.p
arseIdentifier(!0)}parsePrivateName(){const e=this.startNode(),t=this.startNodeAt(this.state.start+1,new
h(this.state.curLine,this.state.start+1-this.state.lineStart)),r=this.state.value;return
this.next(),e.id=this.createIdentifier(t,r),this.finishNode(e,"PrivateName")}parseFunctionOrFunctionSent(){const
e=this.startNode();if(this.next(),this.prodParam.hasYield&&this.match(o.dot)){const
t=this.createIdentifier(this.startNodeAtNode(e),"function");return
this.next(),this.parseMetaProperty(e,t,"sent")}return
this.parseFunction(e)}parseMetaProperty(e,t,r){e.meta=t,"function"===t.name&&"sent"===r&&(this.isContextual(
r)?this.expectPlugin("functionSent"):this.hasPlugin("functionSent"))||this.unexpected();const
n=this.state.containsEsc;return
e.property=this.parseIdentifier(!0),(e.property.name!==r||n)&&this.raise(e.property.start,T.UnsupportedMetaPropert
y,t.name,r),this.finishNode(e,"MetaProperty")}parseImportMetaProperty(e){const
t=this.createIdentifier(this.startNodeAtNode(e),"import");return
this.next(),this.isContextual("meta")&&(this.inModule||this.raise(t.start,b.ImportMetaOutsideModule),this.sawUna
mbiguousESM=!0),this.parseMetaProperty(e,t,"meta")}parseLiteral(e,t,r,n){r=r||this.state.start,n=n||this.state.startLo
c;const i=this.startNodeAt(r,n);return
this.addExtra(i,"rawValue",e),this.addExtra(i,"raw",this.input.slice(r,this.state.end)),i.value=e,this.next(),this.finishN
ode(i,t)}parseParenAndDistinguishExpression(e){const t=this.state.start,r=this.state.startLoc;let
n;this.next(),this.expressionScope.enter(new Ce(1));const
i=this.state.maybeInArrowParameters,s=this.state.inFSharpPipelineDirectBody;this.state.maybeInArrowParameters
=!0,this.state.inFSharpPipelineDirectBody=!1;const a=this.state.start,l=this.state.startLoc,c=[],p=new

```

```

De,u={start:0};let d,h,f=!0;for(;!this.match(o.parenR);){if(f)f=!1;else
if(this.expect(o.comma,u.start||null),this.match(o.parenR)){h=this.state.start;break}if(this.match(o.ellipsis)){const
e=this.state.start,t=this.state.startLoc;d=this.state.start,c.push(this.parseParenItem(this.parseRestBinding(),e,t)),this.c
heckCommaAfterRest(41);break}c.push(this.parseMaybeAssignAllowIn(p,this.parseParenItem,u))}const
m=this.state.lastTokEnd,y=this.state.lastTokEndLoc;this.expect(o.parenR),this.state.maybeInArrowParameters=i,thi
s.state.inFSharpPipelineDirectBody=s;let
T=this.startNodeAt(t,r);if(e&&this.shouldParseArrow())&&(T=this.parseArrow(T))return
this.expressionScope.validateAsPattern(),this.expressionScope.exit(),this.parseArrowExpression(T,c,!1),T;if(this.ex
pressionScope.exit(),c.length||this.unexpected(this.state.lastTokStart),h&&this.unexpected(h),d&&this.unexpected(d
),this.checkExpressionErrors(p,!0),u.start&&this.unexpected(u.start),this.toReferencedListDeep(c,!0),c.length>1?(n
=this.startNodeAt(a,l),n.expressions=c,this.finishNodeAt(n,"SequenceExpression",m,y)):n=c[0],!this.options.create
ParenthesizedExpressions)return this.addExtra(n,"parenthesized",!0),this.addExtra(n,"parenStart",t),n;const
b=this.startNodeAt(t,r);return
b.expression=n,this.finishNode(b,"ParenthesizedExpression"),b}shouldParseArrow(){return!this.canInsertSemicolo
n()}parseArrow(e){if(this.eat(o.arrow))return e}parseParenItem(e,t,r){return e}parseNewOrNewTarget(){const
e=this.startNode();if(this.next(),this.match(o.dot)){const
t=this.createIdentifier(this.startNodeAtNode(e),"new");this.next();const r=this.parseMetaProperty(e,t,"target");return
this.scope.inNonArrowFunction||this.scope.inClass||this.raise(r.start,T.UnexpectedNewTarget),r}return
this.parseNew(e)}parseNew(e){return
e.callee=this.parseNoCallExpr(),"Import"===e.callee.type?this.raise(e.callee.start,T.ImportCallNotNewExpression):
this.isOptionalChain(e.callee)?this.raise(this.state.lastTokEnd,T.OptionalChainingNoNew):this.eat(o.questionDot)&
&this.raise(this.state.start,T.OptionalChainingNoNew),this.parseNewArguments(e),this.finishNode(e,"NewExpressi
on")}parseNewArguments(e){if(this.eat(o.parenL)){const
t=this.parseExprList(o.parenR);this.toReferencedList(t),e.arguments=t}else
e.arguments=[]}parseTemplateElement(e){const t=this.startNode();return
null===this.state.value&&(e||this.raise(this.state.start+1,T.InvalidEscapeSequenceTemplate)),t.value={raw:this.inpu
t.slice(this.state.start,this.state.end).replace(/\\r\\n?/g,"\\n"),cooked:this.state.value},this.next(),t.tail=this.match(o.back
Quote),this.finishNode(t,"TemplateElement")}parseTemplate(e){const
t=this.startNode();this.next(),t.expressions=[];let
r=this.parseTemplateElement(e);for(t.quasis=[r];!r.tail;)this.expect(o.dollarBraceL),t.expressions.push(this.parseTe
mplateSubstitution()),this.expect(o.braceR),t.quasis.push(r=this.parseTemplateElement(e));return
this.next(),this.finishNode(t,"TemplateLiteral")}parseTemplateSubstitution(){return
this.parseExpression()}parseObjectLike(e,t,r,n){r&&this.expectPlugin("recordAndTuple");const
i=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!1;const s=Object.create(null);let
a=!0;const l=this.startNode();for(l.properties=[],this.next();!this.match(e);){if(a)a=!1;else
if(this.expect(o.comma),this.match(e)){this.addExtra(l,"trailingComma",this.state.lastTokStart);break}const
i=this.parsePropertyDefinition(t,n);t||this.checkProto(i,r,s,n),r&&!this.isObjectProperty(i)&&"SpreadElement"!==i.t
ype&&this.raise(i.start,T.InvalidRecordProperty),i.shorthand&&this.addExtra(i,"shorthand",!0),l.properties.push(i)}
this.state.exprAllowed=!1,this.next(),this.state.inFSharpPipelineDirectBody=i;let c="ObjectExpression";return
t?c="ObjectPattern":r&&(c="RecordExpression"),this.finishNode(l,c)}maybeAsyncOrAccessorProp(e){return!e.co
mputed&&"Identifier"===e.key.type&&(this.isLiteralPropertyName())||this.match(o.bracketL)||this.match(o.star))}p
arsePropertyDefinition(e,t){let
r=[];if(this.match(o.at))for(this.hasPlugin("decorators")&&this.raise(this.state.start,T.UnsupportedPropertyDecorato
r);this.match(o.at);)r.push(this.parseDecorator());const n=this.startNode();let
i,s,a=!1,l=!1,c=!1;if(this.match(o.ellipsis))return
r.length&&this.unexpected(),e?(this.next(),n.argument=this.parseIdentifier(),this.checkCommaAfterRest(125),this.fi
nishNode(n,"RestElement")):this.parseSpread();r.length&&(n.decorators=r,r=[]),n.method=!1,(e||t)&&(i=this.state.s
tart,s=this.state.startLoc),e||(a=this.eat(o.star));const

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```

p=this.state.containsEsc,u=this.parsePropertyName(n,!1);if(!e&&!a&&!p&&this.maybeAsyncOrAccessorProp(n)){
const
e=u.name;"async"!==e||this.hasPrecedingLineBreak()||(l=!0,a=this.eat(o.star),this.parsePropertyName(n,!1)),"get"!=
=e&&"set"!==e||(c=!0,n.kind=e,this.match(o.star)&&(a=!0,this.raise(this.state.pos,T.AccessorIsGenerator,e),this.ne
xt()),this.parsePropertyName(n,!1))}return
this.parseObjPropValue(n,i,s,a,l,e,c,t,n)getterSetterExpectedParamCount(e){return"get"===e.kind?0:1}getObjec
tOrClassMethodParams(e){return e.params}checkGetterSetterParams(e){var t;const
r=this.getGetterSetterExpectedParamCount(e),n=this.getObjectOrClassMethodParams(e),i=e.start;n.length!==r&&(
"get"===e.kind?this.raise(i,T.BadGetterArity):this.raise(i,T.BadSetterArity)),"set"===e.kind&&"RestElement"===(
null==(t=n[n.length-1]))?void
0:t.type}&&this.raise(i,T.BadSetterRestParameter)}parseObjectMethod(e,t,r,n,i){return
i?(this.parseMethod(e,t,!1,!1,!1,"ObjectMethod"),this.checkGetterSetterParams(e,e):r||t||this.match(o.parenL)?(n&&
this.unexpected(),e.kind="method",e.method=!0,this.parseMethod(e,t,r,!1,!1,"ObjectMethod")):void
0}parseObjectProperty(e,t,r,n,i){return
e.shorthand=!1,this.eat(o.colon)?(e.value=n?this.parseMaybeDefault(this.state.start,this.state.startLoc):this.parseMa
ybeAssignAllowIn(i),this.finishNode(e,"ObjectProperty")):e.computed||"Identifier"!==e.key.type?void
0:(this.checkReservedWord(e.key.name,e.key.start,!0,!1),n?e.value=this.parseMaybeDefault(t,r,e.key.__clone()):thi
s.match(o.eq)&&i?(-
1===i.shorthandAssign&&(i.shorthandAssign=this.state.start),e.value=this.parseMaybeDefault(t,r,e.key.__clone())
:e.value=e.key.__clone(),e.shorthand=!0,this.finishNode(e,"ObjectProperty"))}parseObjPropValue(e,t,r,n,i,s,a,o){co
nst l=this.parseObjectMethod(e,n,i,s,a)||this.parseObjectProperty(e,t,r,s,o);return
l||this.unexpected(),l}parsePropertyName(e,t){if(this.eat(o.bracketL))e.computed=!0,e.key=this.parseMaybeAssign
AllowIn(),this.expect(o.bracketR);else{const r=this.state.inPropertyName;this.state.inPropertyName=!0;const
n=this.state.type;e.key=n===o.num||n===o.string||n===o.bigint||n===o.decimal?this.parseExprAtom():this.parseMa
ybePrivateName(t,n)!==o.privateName&&(e.computed=!1),this.state.inPropertyName=r}return
e.key}initFunction(e,t){e.id=null,e.generator=!1,e.async=!1}parseMethod(e,t,r,n,i,s,a=!1){this.initFunction(e,r),e.ge
nerator=!1;const o=n;return
this.scope.enter(18|(a?64:0)|(i?32:0)),this.prodParam.enter(oe(r,e.generator)),this.parseFunctionParams(e,o),this.pars
eFunctionBodyAndFinish(e,s,!0),this.prodParam.exit(),this.scope.exit(),e}parseArrayLike(e,t,r,n){r&&this.expectPlu
gin("recordAndTuple");const
i=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!1;const s=this.startNode();return
this.next(),s.elements=this.parseExprList(e,!r,n,s),this.state.inFSharpPipelineDirectBody=i,this.finishNode(s,r?"Tupl
eExpression":"ArrayExpression")}parseArrowExpression(e,t,r,n){this.scope.enter(6);let
i=oe(r,!1);!this.match(o.bracketL)&&this.prodParam.hasIn&&(i=8),this.prodParam.enter(i),this.initFunction(e,r);co
nst s=this.state.maybeInArrowParameters;return
t&&(this.state.maybeInArrowParameters=!0,this.setArrowFunctionParameters(e,t,n)),this.state.maybeInArrowPara
meters=!1,this.parseFunctionBody(e,!0),this.prodParam.exit(),this.scope.exit(),this.state.maybeInArrowParameters=
s,this.finishNode(e,"ArrowFunctionExpression")}setArrowFunctionParameters(e,t,r){e.params=this.toAssignableLi
st(t,r,!1)}parseFunctionBodyAndFinish(e,t,r=!1){this.parseFunctionBody(e,!1,r),this.finishNode(e,t)}parseFunction
Body(e,t,r=!1){const
n=t&&!this.match(o.braceL);if(this.expressionScope.enter(ke()),n)e.body=this.parseMaybeAssign(),this.checkPara
ms(e,!1,t,!1);else{const
n=this.state.strict,i=this.state.labels;this.state.labels=[],this.prodParam.enter(4|this.prodParam.currentFlags()),e.body
=this.parseBlock(!0,!1,i=>{const s=!this.isSimpleParamList(e.params);if(i&&s){const
t="method"!==e.kind&&"constructor"!==e.kind||e.key?e.start:e.key.end;this.raise(t,T.IllegalLanguageModeDirecti
ve)}const
a=!n&&this.state.strict;this.checkParams(e,!(this.state.strict||t||r||s),t,a),this.state.strict&&e.id&&this.checkLVal(e.id,
"function name",65,void 0,void

```

```

0,a)),this.prodParam.exit(),this.expressionScope.exit(),this.state.labels=i } isSimpleParamList(e){ for(let
t=0,r=e.length;t<r;t++)if("Identifier"!==e[t].type)return!1;return!0}checkParams(e,t,r,n=!0){const i=new
Set;for(const r of e.params)this.checkLVal(r,"function parameter list",5,t?null:i,void
0,n)}parseExprList(e,t,r,n){const i=[];let s=!0;for(;!this.eat(e);){if(s)!!1;else
if(this.expect(o.comma),this.match(e)){n&&this.addExtra(n,"trailingComma",this.state.lastTokStart),this.next();bre
ak}i.push(this.parseExprListItem(t,r))}return i}parseExprListItem(e,t,r,n){let
i;if(this.match(o.comma))e||this.raise(this.state.pos,T.UnexpectedToken,","),i=null;else
if(this.match(o.ellipsis)){const
e=this.state.start,n=this.state.startLoc;i=this.parseParenItem(this.parseSpread(t,r),e,n)}else
if(this.match(o.question)){this.expectPlugin("partialApplication"),n||this.raise(this.state.start,T.UnexpectedArgumen
tPlaceholder);const e=this.startNode();this.next(),i=this.finishNode(e,"ArgumentPlaceholder")}else
i=this.parseMaybeAssignAllowIn(t,this.parseParenItem,r);return i}parseIdentifier(e){const
t=this.startNode(),r=this.parseIdentifierName(t.start,e);return this.createIdentifier(t,r)}createIdentifier(e,t){return
e.name=t,e.loc.identifierName=t,this.finishNode(e,"Identifier")}parseIdentifierName(e,t){let
r;const{start:n,type:i}=this.state;if(i===o.name)r=this.state.value;else{if(!i.keyword)throw
this.unexpected();{r=i.keyword;const
e=this.curContext();!i===o._class&&!i===o._function||e!==x.functionStatement&&e!==x.functionExpression||this.stat
e.context.pop()}}return
t?this.state.type=o.name:this.checkReservedWord(r,n,!i.keyword,!1),this.next(),r}checkReservedWord(e,t,r,n){if(th
is.prodParam.hasYield&&"yield"===e)return void
this.raise(t,T.YieldBindingIdentifier);if("await"===e){if(this.prodParam.hasAwait)return void
this.raise(t,T.AwaitBindingIdentifier);if(this.scope.inStaticBlock&&!this.scope.inNonArrowFunction)return void
this.raise(t,T.AwaitBindingIdentifierInStaticBlock);this.expressionScope.recordAsyncArrowParametersError(t,T.A
waitBindingIdentifier)}if(this.scope.inClass&&!this.scope.inNonArrowFunction&&"arguments"===e)return void
this.raise(t,T.ArgumentsInClass);if(r&&U(e))return void
this.raise(t,T.UnexpectedKeyword,e);(this.state.strict?n?B:F:j)(e,this.inModule)&&this.raise(t,T.UnexpectedReserve
dWord,e)}isAwaitAllowed(){return!!this.prodParam.hasAwait||!(this.options.allowAwaitOutsideFunction||this.scop
e.inFunction)}parseAwait(e,t){const r=this.startNodeAt(e,t);return
this.expressionScope.recordParameterInitializerError(r.start,T.AwaitExpressionFormalParameter),this.eat(o.star)&&
this.raise(r.start,T.ObsoleteAwaitStar),this.scope.inFunction||this.options.allowAwaitOutsideFunction||(this.isAmbig
uousAwait()?this.ambiguousScriptDifferentAst=!0:this.sawUnambiguousESM=!0),this.state.soloAwait||(r.argument
=this.parseMaybeUnary(null,!0)),this.finishNode(r,"AwaitExpression")}isAmbiguousAwait(){return
this.hasPrecedingLineBreak()||this.match(o.plusMin)||this.match(o.parenL)||this.match(o.bracketL)||this.match(o.bac
kQuote)||this.match(o.regex)||this.match(o.slash)||this.hasPlugin("v8intrinsic")&&this.match(o.modulo)}parseYield
(){const e=this.startNode();return
this.expressionScope.recordParameterInitializerError(e.start,T.YieldInParameter),this.next(),this.match(o.semi)||!this
.match(o.star)&&!this.state.type.startsExpr||this.hasPrecedingLineBreak()?(e.delegate=!1,e.argument=null):(e.deleg
ate=this.eat(o.star),e.argument=this.parseMaybeAssign()),this.finishNode(e,"YieldExpression")}checkPipelineAtInf
ixOperator(e,t){"smart"===this.getPluginOption("pipelineOperator","proposal")&&"SequenceExpression"===e.type
&&this.raise(t,T.PipelineHeadSequenceExpression)}parseSmartPipelineBody(e,t,r){return
this.checkSmartPipelineBodyEarlyErrors(e,t),this.parseSmartPipelineBodyInStyle(e,t,r)}checkSmartPipelineBodyE
arlyErrors(e,t){if(this.match(o.arrow))throw
this.raise(this.state.start,T.PipelineBodyNoArrow);"SequenceExpression"===e.type&&this.raise(t,T.PipelineBodyS
equenceExpression)}parseSmartPipelineBodyInStyle(e,t,r){const
n=this.startNodeAt(t,r),i=this.isSimpleReference(e);return
i?n.callee=e:(this.topicReferenceWasUsedInCurrentTopicContext())this.raise(t,T.PipelineTopicUnused),n.expressio
n=e,this.finishNode(n,i?"PipelineBareFunction":"PipelineTopicExpression")}isSimpleReference(e){switch(e.type)
{case"MemberExpression":return!e.computed&&this.isSimpleReference(e.object);case"Identifier":return!0;default:r

```

```

return!1}}withTopicPermittingContext(e){const
t=this.state.topicContext;this.state.topicContext={maxNumOfResolvableTopics:1,maxTopicIndex:null};try{return
e()}finally{this.state.topicContext=t}}withTopicForbiddingContext(e){const
t=this.state.topicContext;this.state.topicContext={maxNumOfResolvableTopics:0,maxTopicIndex:null};try{return
e()}finally{this.state.topicContext=t}}withSoloAwaitPermittingContext(e){const
t=this.state.soloAwait;this.state.soloAwait=!0;try{return e()}finally{this.state.soloAwait=t}}allowInAnd(e){const
t=this.prodParam.currentFlags();if(8&~t){this.prodParam.enter(8|t);try{return
e()}finally{this.prodParam.exit()}}return e()}disallowInAnd(e){const
t=this.prodParam.currentFlags();if(8&t){this.prodParam.enter(-9&t);try{return
e()}finally{this.prodParam.exit()}}return
e()}registerTopicReference(){this.state.topicContext.maxTopicIndex=0}primaryTopicReferenceIsAllowedInCurrent
TopicContext(){return
this.state.topicContext.maxNumOfResolvableTopics>=1}topicReferenceWasUsedInCurrentTopicContext(){return
null!=this.state.topicContext.maxTopicIndex&&this.state.topicContext.maxTopicIndex>=0}parseFSharpPipelineBo
dy(e){const t=this.state.start,r=this.state.startLoc;this.state.potentialArrowAt=this.state.start;const
n=this.state.inFSharpPipelineDirectBody;this.state.inFSharpPipelineDirectBody=!0;const
i=this.parseExprOp(this.parseMaybeUnary(),t,r,e);return
this.state.inFSharpPipelineDirectBody=n,i}parseModuleExpression(){this.expectPlugin("moduleBlocks");const
e=this.startNode();this.next(),this.eat(o.braceL);const t=this.initializeScopes(!0);this.enterInitialScopes();const
r=this.startNode();try{e.body=this.parseProgram(r,o.braceR,"module")}finally{t()}return
this.eat(o.braceR),this.finishNode(e,"ModuleExpression")}}{parseTopLevel(e,t){return
e.program=this.parseProgram(t),e.comments=this.state.comments,this.options.tokens&&(e.tokens=function(e){for(l
et t=0;t<e.length;t++){const r=e[t];if(r.type===o.privateName){const{loc:n,start:i,value:s,end:a}=r,l=i+1,c=new
h(n.start.line,n.start.column+1);e.splice(t,1,new
Ae({type:o.hash,value:"#",start:i,end:l,startLoc:n.start,endLoc:c}),new
Ae({type:o.name,value:s,start:l,end:a,startLoc:c,endLoc:n.end})}})}return
e}(this.tokens),this.finishNode(e,"File")}parseProgram(e,t=o.eof,r=this.options.sourceType){if(e.sourceType=r,e.in
terpreter=this.parseInterpreterDirective(),this.parseBlockBody(e,!0,!0,t),this.inModule&&!this.options.allowUndecl
aredExports&&this.scope.undefinedExports.size>0)for(const[e]of Array.from(this.scope.undefinedExports)){const
t=this.scope.undefinedExports.get(e);this.raise(t,T.ModuleExportUndefined,e)}return
this.finishNode(e,"Program")}stmtToDirective(e){const
t=e.expression,r=this.startNodeAt(t.start,t.loc.start),n=this.startNodeAt(e.start,e.loc.start),i=this.input.slice(t.start,t.en
d),s=r.value=i.slice(1,-1);return
this.addExtra(r,"raw",i),this.addExtra(r,"rawValue",s),n.value=this.finishNodeAt(r,"DirectiveLiteral",t.end,t.loc.end)
,this.finishNodeAt(n,"Directive",e.end,e.loc.end)}parseInterpreterDirective(){if(!this.match(o.interpreterDirective))r
eturn null;const e=this.startNode();return
e.value=this.state.value,this.next(),this.finishNode(e,"InterpreterDirective")}isLet(e){return!!this.isContextual("let")
&&this.isLetKeyword(e)}isLetKeyword(e){const
t=this.nextTokenStart(),r=this.input.charCodeAt(t);if(92===r||91===r)return!0;if(e)return!1;if(123===r)return!0;if(
C(r)){let e=t+1;for(;N(this.input.charCodeAt(e));)++e;const
r=this.input.slice(t,e);if(!V.test(r))return!0}return!1}parseStatement(e,t){return
this.match(o.at)&&this.parseDecorators(!0),this.parseStatementContent(e,t)}parseStatementContent(e,t){let
r=this.state.type;const n=this.startNode();let i;switch(this.isLet(e)&&(r=o._var,i="let"),r){case o._break:case
o._continue:return this.parseBreakContinueStatement(n,r.keyword);case o._debugger:return
this.parseDebuggerStatement(n);case o._do:return this.parseDoStatement(n);case o._for:return
this.parseForStatement(n);case o._function:if(46===this.lookaheadCharCode())break;return
e&&(this.state.strict?this.raise(this.state.start,T.StrictFunction):"if"!==e&&"label"!==e&&this.raise(this.state.start,
T.SloppyFunction)),this.parseFunctionStatement(n,!1,!e);case o._class:return

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e&&this.unexpected(),this.parseClass(n,!0);case o._if:return this.parseIfStatement(n);case o._return:return
this.parseReturnStatement(n);case o._switch:return this.parseSwitchStatement(n);case o._throw:return
this.parseThrowStatement(n);case o._try:return this.parseTryStatement(n);case o._const:case o._var:return
i=||this.state.value,e&&"var"!==i&&this.raise(this.state.start,T.UnexpectedLexicalDeclaration),this.parseVarStatem
ent(n,i);case o._while:return this.parseWhileStatement(n);case o._with:return this.parseWithStatement(n);case
o.braceL:return this.parseBlock();case o.semi:return this.parseEmptyStatement(n);case o._import:{ const
e=this.lookaheadCharCode();if(40===e||46===e)break }case o._export:{ let e;return
this.options.allowImportExportEverywhere||t||this.raise(this.state.start,T.UnexpectedImportExport),this.next(),r===o
._import?(e=this.parseImport(n),"ImportDeclaration"!==e.type||e.importKind&&"value"!==e.importKind||(this.saw
UnambiguousESM=!0)):(e=this.parseExport(n)("ExportNamedDeclaration"!==e.type||e.exportKind&&"value"!==e
.exportKind)&&("ExportAllDeclaration"!==e.type||e.exportKind&&"value"!==e.exportKind)&&"ExportDefaultDe
claration"!==e.type||(this.sawUnambiguousESM=!0)),this.assertModuleNodeAllowed(n,e)}default:if(this.isAsyncFu
nction())return
e&&this.raise(this.state.start,T.AsyncFunctionInSingleStatementContext),this.next(),this.parseFunctionStatement(n,
!0,!e)}const s=this.state.value,a=this.parseExpression();return
r===o.name&&"Identifier"===a.type&&this.eat(o.colon)?this.parseLabeledStatement(n,s,a,e):this.parseExpression
Statement(n,a)}assertModuleNodeAllowed(e){this.options.allowImportExportEverywhere||this.inModule||this.raise(
e.start,b.ImportOutsideModule)}takeDecorators(e){const
t=this.state.decoratorStack[this.state.decoratorStack.length-
1];t.length&&(e.decorators=t,this.resetStartLocationFromNode(e,t[0]),this.state.decoratorStack[this.state.decoratorS
tack.length-1]=[])}canHaveLeadingDecorator(){return this.match(o._class)}parseDecorators(e){const
t=this.state.decoratorStack[this.state.decoratorStack.length-1];for(;this.match(o.at);){const
e=this.parseDecorator();t.push(e)}if(this.match(o._export))e||this.unexpected(),this.hasPlugin("decorators")&&!this.
getPluginOption("decorators","decoratorsBeforeExport")&&this.raise(this.state.start,T.DecoratorExportClass);else
if(!this.canHaveLeadingDecorator())throw
this.raise(this.state.start,T.UnexpectedLeadingDecorator)}parseDecorator(){this.expectOnePlugin(["decorators-
legacy","decorators"]);const
e=this.startNode();if(this.next(),this.hasPlugin("decorators")){this.state.decoratorStack.push([]);const
t=this.state.start,r=this.state.startLoc;let n;if(this.eat(o.parenL))n=this.parseExpression(),this.expect(o.parenR);else
for(n=this.parseIdentifier(!1);this.eat(o.dot);){const
e=this.startNodeAt(t,r);e.object=n,e.property=this.parseIdentifier(!0),e.computed=!1,n=this.finishNode(e,"MemberE
xpression")}e.expression=this.parseMaybeDecoratorArguments(n),this.state.decoratorStack.pop()}else
e.expression=this.parseExprSubscripts();return
this.finishNode(e,"Decorator")}parseMaybeDecoratorArguments(e){if(this.eat(o.parenL)){const
t=this.startNodeAtNode(e);return
t.callee=e,t.arguments=this.parseCallExpressionArguments(o.parenR,!1),this.toReferencedList(t.arguments),this.fini
shNode(t,"CallExpression")}return e}parseBreakContinueStatement(e,t){const r="break"===t;return
this.next(),this.isLineTerminator()?e.label=null:(e.label=this.parseIdentifier(),this.semicolon(),this.verifyBreakCont
inue(e,t),this.finishNode(e,r?"BreakStatement":"ContinueStatement"))}verifyBreakContinue(e,t){const
r="break"===t;let n;for(n=0;n<this.state.labels.length;++n){const
t=this.state.labels[n];if(null===e.label||t.name===e.label.name){if(null!==t.kind&&(r||"loop"===t.kind))break;if(e.labe
l&&r)break } }n===this.state.labels.length&&this.raise(e.start,T.IllegalBreakContinue,t)}parseDebuggerStatement(e
){return
this.next(),this.semicolon(),this.finishNode(e,"DebuggerStatement")}parseHeaderExpression(){this.expect(o.parenL
);const e=this.parseExpression();return this.expect(o.parenR),e}parseDoStatement(e){return
this.next(),this.state.labels.push(Me),e.body=this.withTopicForbiddingContext(=>this.parseStatement("do")),this.s
tate.labels.pop(),this.expect(o._while),e.test=this.parseHeaderExpression(),this.eat(o.semi),this.finishNode(e,"DoWh
ileStatement")}parseForStatement(e){this.next(),this.state.labels.push(Me);let t=-

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1;if(this.isAwaitAllowed())&&this.eatContextual("await")&&(t=this.state.lastTokStart),this.scope.enter(0),this.expect
t(o.parenL),this.match(o.semi))return t>-1&&this.unexpected(t),this.parseFor(e,null);const
r=this.isContextual("let"),n=r&&this.isLetKeyword();if(this.match(o._var)||this.match(o._const)||n){const
r=this.startNode(),i=n?"let":this.state.value;return
this.next(),this.parseVar(r,!0,i),this.finishNode(r,"VariableDeclaration"),(this.match(o._in)||this.isContextual("of"))
&&l===r.declarations.length?this.parseForIn(e,r,t):(t>-1&&this.unexpected(t),this.parseFor(e,r))}const
i=this.match(o.name)&&!this.state.containsEsc,s=new
De,a=this.parseExpression(!0,s),l=this.isContextual("of");if(l&&(r?this.raise(a.start,T.ForOfLet):-
l===t&&i&&"Identifier"===a.type&&"async"===a.name&&this.raise(a.start,T.ForOfAsync)),l||this.match(o._in))
{this.toAssignable(a,!0);const r=l?"for-of statement":"for-in statement";return
this.checkLVal(a,r),this.parseForIn(e,a,t)}return this.checkExpressionErrors(s,!0),t>-
1&&this.unexpected(t),this.parseFor(e,a)}parseFunctionStatement(e,t,r){return
this.next(),this.parseFunction(e,l|(r?0:2),t)}parseIfStatement(e){return
this.next(),e.test=this.parseHeaderExpression(),e.consequent=this.parseStatement("if"),e.alternate=this.eat(o._else)?t
his.parseStatement("if"):null,this.finishNode(e,"IfStatement")}parseReturnStatement(e){return
this.prodParam.hasReturn||this.options.allowReturnOutsideFunction||this.raise(this.state.start,T.IllegalReturn),this.ne
xt(),this.isLineTerminator()?e.argument=null:(e.argument=this.parseExpression(),this.semicolon(),this.finishNode(
e,"ReturnStatement"))parseSwitchStatement(e){this.next(),e.discriminant=this.parseHeaderExpression();const
t=e.cases=[];let
r,n;for(this.expect(o.braceL),this.state.labels.push(je),this.scope.enter(0);!this.match(o.braceR);if(this.match(o._cas
e)||this.match(o._default)){const
e=this.match(o._case);r&&this.finishNode(r,"SwitchCase"),t.push(r=this.startNode(),r.consequent=[],this.next(),e?r
.test=this.parseExpression():n&&this.raise(this.state.lastTokStart,T.MultipleDefaultsInSwitch),n=!0,r.test=null),this
.expect(o.colon)}else r?r.consequent.push(this.parseStatement(null)):this.unexpected();return
this.scope.exit(),r&&this.finishNode(r,"SwitchCase"),this.next(),this.state.labels.pop(),this.finishNode(e,"SwitchStat
ement")}parseThrowStatement(e){return
this.next(),this.hasPrecedingLineBreak()&&this.raise(this.state.lastTokEnd,T.NewlineAfterThrow),e.argument=this.
parseExpression(),this.semicolon(),this.finishNode(e,"ThrowStatement")}parseCatchClauseParam(){const
e=this.parseBindingAtom(),t="Identifier"===e.type;return this.scope.enter(t?8:0),this.checkLVal(e,"catch
clause",9),e}parseTryStatement(e){if(this.next(),e.block=this.parseBlock(),e.handler=null,this.match(o._catch)){const
st
t=this.startNode();this.next(),this.match(o.parenL)?(this.expect(o.parenL),t.param=this.parseCatchClauseParam(),thi
s.expect(o.parenR):(t.param=null,this.scope.enter(0)),t.body=this.withTopicForbiddingContext(=>this.parseBlock
(!1,!1),this.scope.exit(),e.handler=this.finishNode(t,"CatchClause"))return
e.finalizer=this.eat(o._finally)?this.parseBlock():null,e.handler||e.finalizer||this.raise(e.start,T.NoCatchOrFinally),this
.finishNode(e,"TryStatement")}parseVarStatement(e,t){return
this.next(),this.parseVar(e,!1,t),this.semicolon(),this.finishNode(e,"VariableDeclaration")}parseWhileStatement(e){r
eturn
this.next(),e.test=this.parseHeaderExpression(),this.state.labels.push(Me),e.body=this.withTopicForbiddingContext(
=>this.parseStatement("while")),this.state.labels.pop(),this.finishNode(e,"WhileStatement")}parseWithStatement(e
){return
this.state.strict&&this.raise(this.state.start,T.StrictWith),this.next(),e.object=this.parseHeaderExpression(),e.body=th
is.withTopicForbiddingContext(=>this.parseStatement("with")),this.finishNode(e,"WithStatement")}parseEmptyS
tatement(e){return this.next(),this.finishNode(e,"EmptyStatement")}parseLabeledStatement(e,t,r,n){for(const e of
this.state.labels)e.name===t&&this.raise(r.start,T.LabelRedeclaration,t);const
i=this.state.type.isLoop?"loop":this.match(o._switch)?"switch":null;for(let t=this.state.labels.length-1;t>=0;t--
){const r=this.state.labels[t];if(r.statementStart!==e.start)break;r.statementStart=this.state.start,r.kind=i}return
this.state.labels.push({name:t,kind:i,statementStart:this.state.start}),e.body=this.parseStatement(n?-

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l===n.indexOf("label"?n+"label":n:"label"),this.state.labels.pop(),e.label=r,this.finishNode(e,"LabeledStatement")
}parseExpressionStatement(e,t){return
e.expression=t,this.semicolon(),this.finishNode(e,"ExpressionStatement")}parseBlock(e=!1,t=!0,r){const
n=this.startNode();return
e&&this.state.strictErrors.clear(),this.expect(o.braceL),t&&this.scope.enter(0),this.parseBlockBody(n,e,!1,o.braceR,
r),t&&this.scope.exit(),this.finishNode(n,"BlockStatement")}isValidDirective(e){return"ExpressionStatement"===e
.type&&"StringLiteral"===e.expression.type&&!e.expression.extra.parenthesized}parseBlockBody(e,t,r,n,i){const
s=e.body=[],a=e.directives=[];this.parseBlockOrModuleBlockBody(s,t?a:void
0,r,n,i)}parseBlockOrModuleBlockBody(e,t,r,n,i){const s=this.state.strict;let a=!1,o=!1;for(;!this.match(n);){const
n=this.parseStatement(null,r);if(t&&!o){if(this.isValidDirective(n)){const
e=this.stmtToDirective(n);t.push(e),a||"use
strict"!==e.value.value||(a=!0,this.setStrict(!0));continue}o=!0,this.state.strictErrors.clear()}e.push(n)}i&&i.call(this
,a),s||this.setStrict(!1),this.next()}parseFor(e,t){return
e.init=t,this.semicolon(!1),e.test=this.match(o.semi)?null:this.parseExpression(),this.semicolon(!1),e.update=this.ma
tch(o.parenR)?null:this.parseExpression(),this.expect(o.parenR),e.body=this.withTopicForbiddingContext(=>this.
parseStatement("for")),this.scope.exit(),this.state.labels.pop(),this.finishNode(e,"ForStatement")}parseForIn(e,t,r){c
onst n=this.match(o._in);return this.next(),n?r>-1&&this.unexpected(r):e.await=r>-
1,"VariableDeclaration"!==t.type||null===t.declarations[0].init||n&&!this.state.strict&&"var"===t.kind&&"Identifier
"===t.declarations[0].id.type?"AssignmentPattern"===t.type&&this.raise(t.start,T.InvalidLhs,"for-
loop"):this.raise(t.start,T.ForInOfLoopInitializer,n?"for-in":"for-
of"),e.left=t,e.right=n?this.parseExpression():this.parseMaybeAssignAllowIn(),this.expect(o.parenR),e.body=this.wi
thTopicForbiddingContext(=>this.parseStatement("for")),this.scope.exit(),this.state.labels.pop(),this.finishNode(e,
n?"ForInStatement":"ForOfStatement")}parseVar(e,t,r){const
n=e.declarations=[],i=this.hasPlugin("typescript");for(e.kind=r;){const
e=this.startNode();if(this.parseVarId(e,r),this.eat(o.eq)?e.init=t?this.parseMaybeAssignDisallowIn():this.parseMayb
eAssignAllowIn():("const"!==r||this.match(o._in)||this.isContextual("of"))?"Identifier"===e.id.type||t&&(this.match(
o._in)||this.isContextual("of"))||this.raise(this.state.lastTokEnd,T.DeclarationMissingInitializer,"Complex binding
patterns"):i||this.raise(this.state.lastTokEnd,T.DeclarationMissingInitializer,"Const
declarations"),e.init=null),n.push(this.finishNode(e,"VariableDeclarator")),!this.eat(o.comma))break}return
e}parseVarId(e,t){e.id=this.parseBindingAtom(),this.checkLVal(e.id,"variable declaration","var"===t?5:9,void
0,"var"!==t)}parseFunction(e,t=0,r=!1){const
n=1&t,i=2&t,s=!(!n||4&t);this.initFunction(e,r),this.match(o.star)&&i&&this.raise(this.state.start,T.GeneratorInSing
leStatementContext),e.generator=this.eat(o.star),n&&(e.id=this.parseFunctionId(s));const
a=this.state.maybeInArrowParameters;return
this.state.maybeInArrowParameters=!1,this.scope.enter(2),this.prodParam.enter(oe(r,e.generator)),n||(e.id=this.parse
FunctionId()),this.parseFunctionParams(e,!1),this.withTopicForbiddingContext(=>{this.parseFunctionBodyAndFi
nish(e,n?"FunctionDeclaration":"FunctionExpression"))},this.prodParam.exit(),this.scope.exit(),n&&!i&&this.regist
erFunctionStatementId(e),this.state.maybeInArrowParameters=a,e}parseFunctionId(e){return
e||this.match(o.name)?this.parseIdentifier():null}parseFunctionParams(e,t){this.expect(o.parenL),this.expressionSco
pe.enter(new
Ie(3)),e.params=this.parseBindingList(o.parenR,41,!1,t),this.expressionScope.exit()}registerFunctionStatementId(e)
{e.id&&this.scope.declareName(e.id.name,this.state.strict||e.generator||e.async?this.scope.treatFunctionsAsVar?5:9:
17,e.id.start)}parseClass(e,t,r){this.next(),this.takeDecorators(e);const n=this.state.strict;return
this.state.strict=!0,this.parseClassId(e,t,r),this.parseClassSuper(e),e.body=this.parseClassBody(!e.superClass,n),this
.finishNode(e,t?"ClassDeclaration":"ClassExpression")}isClassProperty(){return
this.match(o.eq)||this.match(o.semi)||this.match(o.braceR)}isClassMethod(){return
this.match(o.parenL)}isNonstaticConstructor(e){return!(e.computed||e.static||"constructor"!==e.key.name&&"constr
uctor"!==e.key.value)}parseClassBody(e,t){this.classScope.enter();const

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PrivateMethod(e,t,r,n){const i=this.parseMethod(t,r,n,!1,!1,"ClassPrivateMethod",!0);e.body.push(i);const
s="get"===i.kind?i.static?6:2:"set"===i.kind?i.static?5:1:0;this.classScope.declarePrivateName(this.getPrivateName
SV(i.key),s,i.key.start)}parsePostMemberNameModifiers(e){}parseClassPrivateProperty(e){return
this.parseInitializer(e),this.semicolon(),this.finishNode(e,"ClassPrivateProperty")}parseClassProperty(e){return
this.parseInitializer(e),this.semicolon(),this.finishNode(e,"ClassProperty")}parseInitializer(e){this.scope.enter(80),th
is.expressionScope.enter(ke()),this.prodParam.enter(0),e.value=this.eat(o.eq)?this.parseMaybeAssignAllowIn():null,
this.expressionScope.exit(),this.prodParam.exit(),this.scope.exit()}parseClassId(e,t,r,n=139){this.match(o.name)?(e.i
d=this.parseIdentifier(),t&&this.checkLVal(e.id,"class
name",n)):r||t?e.id=null:this.unexpected(null,T.MissingClassName)}parseClassSuper(e){e.superClass=this.eat(o._e
xtends)?this.parseExprSubscripts():null}parseExport(e){const
t=this.maybeParseExportDefaultSpecifier(e),r=!t||this.eat(o.comma),n=r&&this.eatExportStar(e),i=n&&this.maybeP
arseExportNamespaceSpecifier(e),s=r&&(!i||this.eat(o.comma)),a=t||n;if(n&&!i)return
t&&this.unexpected(),this.parseExportFrom(e,!0),this.finishNode(e,"ExportAllDeclaration");const
l=this.maybeParseExportNamedSpecifiers(e);if(t&&r&&!n&&!i&&s&&!l)throw
this.unexpected(null,o.braceL);let
c;if(a||l?(c=!1,this.parseExportFrom(e,a)):c=this.maybeParseExportDeclaration(e,a)||c)return
this.checkExport(e,!0,!1,!e.source),this.finishNode(e,"ExportNamedDeclaration");if(this.eat(o._default))return
e.declaration=this.parseExportDefaultExpression(),this.checkExport(e,!0,!0),this.finishNode(e,"ExportDefaultDecla
ration");throw this.unexpected(null,o.braceL)}eatExportStar(e){return
this.eat(o.star)}maybeParseExportDefaultSpecifier(e){if(this.isExportDefaultSpecifier()){this.expectPlugin("export
DefaultFrom");const t=this.startNode();return
t.exported=this.parseIdentifier(!0),e.specifiers=[this.finishNode(t,"ExportDefaultSpecifier"),!0]return!1}maybePars
eExportNamespaceSpecifier(e){if(this.isContextual("as")){e.specifiers||(e.specifiers=[]);const
t=this.startNodeAt(this.state.lastTokStart,this.state.lastTokStartLoc);return
this.next(),t.exported=this.parseModuleExportName(),e.specifiers.push(this.finishNode(t,"ExportNamespaceSpecifi
er"),!0}return!1}maybeParseExportNamedSpecifiers(e){return!1this.match(o.braceL)&&(e.specifiers||(e.specifiers=
[]),e.specifiers.push(...this.parseExportSpecifiers()),e.source=null,e.declaration=null,!0)}maybeParseExportDeclarat
ion(e){return!1this.shouldParseExportDeclaration()&&(e.specifiers=[],e.source=null,e.declaration=this.parseExport
Declaration(e,!0))isAsyncFunction(){if(!this.isContextual("async"))return!1;const
e=this.nextTokenStart();return!l.test(this.input.slice(this.state.pos,e))&&this.isUnparsedContextual(e,"function")}pa
rseExportDefaultExpression(){const e=this.startNode(),t=this.isAsyncFunction();if(this.match(o._function)||t)return
this.next(),t&&this.next(),this.parseFunction(e,5,t);if(this.match(o._class))return
this.parseClass(e,!0,!0);if(this.match(o.at))return
this.hasPlugin("decorators")&&this.getPluginOption("decorators","decoratorsBeforeExport")&&this.raise(this.state.
start,T.DecoratorBeforeExport),this.parseDecorators(!1),this.parseClass(e,!0,!0);if(this.match(o._const)||this.match(
o._var)||this.isLet())throw this.raise(this.state.start,T.UnsupportedDefaultExport);{const
e=this.parseMaybeAssignAllowIn();return this.semicolon(),e}}parseExportDeclaration(e){return
this.parseStatement(null)}isExportDefaultSpecifier(){if(this.match(o.name))const
e=this.state.value;if("async"===e&&!this.state.containsEsc||"let"===e)return!1;if(("type"===e||"interface"===e)&&
!this.state.containsEsc){const
e=this.lookahead();if(e.type===o.name&&"from"!==e.value||e.type===o.braceL)return
this.expectOnePlugin(["flow","typescript"],!1)}else if(!this.match(o._default))return!1;const
e=this.nextTokenStart(),t=this.isUnparsedContextual(e,"from");if(44===this.input.charCodeAt(e)||this.match(o.nam
e)&&t)return!0;if(this.match(o._default)&&t){const t=this.input.charCodeAt(this.nextTokenStartSince(e+4));return
34===t||39===t}return!1}parseExportFrom(e,t){if(this.eatContextual("from")){e.source=this.parseImportSource(),t
his.checkExport(e);const t=this.maybeParseImportAssertions();t&&(e.assertions=t)}else
t?this.unexpected():e.source=null;this.semicolon()}shouldParseExportDeclaration(){if(this.match(o.at)&&(this.expe
ctOnePlugin(["decorators","decorators-

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legacy"]],this.hasPlugin("decorators"))){if(!this.getPluginOption("decorators","decoratorsBeforeExport"))return!0;t
his.unexpected(this.state.start,T.DecoratorBeforeExport)}return"var"===this.state.type.keyword||"const"===this.stat
e.type.keyword||"function"===this.state.type.keyword||"class"===this.state.type.keyword||this.isLet()||this.isAsyncF
unction()}checkExport(e,t,r,n){if(t)if(r){if(this.checkDuplicateExports(e,"default"),this.hasPlugin("exportDefaultFrom")){var i;const t=e.declaration;"Identifier"!==t.type||"from"!==t.name||t.end-
t.start!==4||null!=(i=t.extra)&&i.parenthesized||this.raise(t.start,T.ExportDefaultFromAsIdentifier)}}else
if(e.specifiers&&e.specifiers.length)for(const t of
e.specifiers){const{exported:e}=t,r="Identifier"===e.type?e.name:e.value;if(this.checkDuplicateExports(t,r,!n&&t
.local){const{local:e}=t;"StringLiteral"===e.type?this.raise(t.start,T.ExportBindingIsString,e.value,r):(this.checkRes
ervedWord(e.name,e.start,!0,!1),this.scope.checkLocalExport(e))}}else
if(e.declaration)if("FunctionDeclaration"===e.declaration.type||"ClassDeclaration"===e.declaration.type){const
t=e.declaration.id;if(!t)throw new Error("Assertion failure");this.checkDuplicateExports(e,t.name)}else
if("VariableDeclaration"===e.declaration.type)for(const t of
e.declaration.declarations)this.checkDeclaration(t.id);if(this.state.decoratorStack[this.state.decoratorStack.length-
1].length)throw
this.raise(e.start,T.UnsupportedDecoratorExport)}checkDeclaration(e){if("Identifier"===e.type)this.checkDuplicate
Exports(e,e.name);else if("ObjectPattern"===e.type)for(const t of e.properties)this.checkDeclaration(t);else
if("ArrayPattern"===e.type)for(const t of
e.elements)t&&this.checkDeclaration(t);else"ObjectProperty"===e.type?this.checkDeclaration(e.value):"RestEleme
nt"===e.type?this.checkDeclaration(e.argument):"AssignmentPattern"===e.type&&this.checkDeclaration(e.left)}ch
eckDuplicateExports(e,t){this.state.exportedIdentifiers.indexOf(t)>-
1&&this.raise(e.start,"default"===t?T.DuplicateDefaultExport:T.DuplicateExport,t),this.state.exportedIdentifiers.pu
sh(t)}parseExportSpecifiers(){const e=[];let t=!0;for(this.expect(o.braceL);!this.eat(o.braceR);){if(t)!!1;else
if(this.expect(o.comma),this.eat(o.braceR))break;const
r=this.startNode();r.local=this.parseModuleExportName(),r.exported=this.eatContextual("as"?this.parseModuleExp
ortName():r.local.__clone(),e.push(this.finishNode(r,"ExportSpecifier"))}return
e}parseModuleExportName(){if(this.match(o.string)){const
e=this.parseLiteral(this.state.value,"StringLiteral"),t=e.value.match(Fe);return
t&&this.raise(e.start,T.ModuleExportNameHasLoneSurrogate,t[0].charCodeAt(0).toString(16)),e}return
this.parseIdentifier(!0)}parseImport(e){if(e.specifiers=[],!this.match(o.string)){const
t=!this.maybeParseDefaultImportSpecifier(e)||this.eat(o.comma),r=t&&this.maybeParseStarImportSpecifier(e);t&&!
r&&this.parseNamedImportSpecifiers(e),this.expectContextual("from")}e.source=this.parseImportSource();const
t=this.maybeParseImportAssertions();if(t)e.assertions=t;else{const
t=this.maybeParseModuleAttributes();t&&(e.attributes=t)}return
this.semicolon(),this.finishNode(e,"ImportDeclaration")}parseImportSource(){return
this.match(o.string)||this.unexpected(),this.parseExprAtom()}shouldParseDefaultImport(e){return
this.match(o.name)}parseImportSpecifierLocal(e,t,r,n){t.local=this.parseIdentifier(),this.checkLVal(t.local,n,9),e.sp
ecifiers.push(this.finishNode(t,r))}parseAssertEntries(){const e=[],t=new
Set;do{if(this.match(o.braceR))break;const
r=this.startNode(),n=this.state.value;if(this.match(o.string)?r.key=this.parseLiteral(n,"StringLiteral"):r.key=this.pars
eIdentifier(!0),this.expect(o.colon),"type"!==n&&this.raise(r.key.start,T.ModuleAttributeDifferentFromType,n),t.ha
s(n)&&this.raise(r.key.start,T.ModuleAttributesWithDuplicateKeys,n),t.add(n,!this.match(o.string))}throw
this.unexpected(this.state.start,T.ModuleAttributeInvalidValue);r.value=this.parseLiteral(this.state.value,"StringLite
ral"),this.finishNode(r,"ImportAttribute"),e.push(r)}while(this.eat(o.comma));return
e}maybeParseModuleAttributes(){if(!this.match(o._with)||this.hasPrecedingLineBreak())return
this.hasPlugin("moduleAttributes")?[]:null;this.expectPlugin("moduleAttributes"),this.next();const e=[],t=new
Set;do{const
r=this.startNode();if(r.key=this.parseIdentifier(!0),"type"!==r.key.name&&this.raise(r.key.start,T.ModuleAttributeD

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differentFromType,r.key.name),t.has(r.key.name)&&this.raise(r.key.start,T.ModuleAttributesWithDuplicateKeys,r.k
ey.name),t.add(r.key.name),this.expect(o.colon),!this.match(o.string))throw
this.unexpected(this.state.start,T.ModuleAttributeInvalidValue);r.value=this.parseLiteral(this.state.value,"StringLite
ral"),this.finishNode(r,"ImportAttribute"),e.push(r)}while(this.eat(o.comma));return
e}maybeParseImportAssertions(){if(!this.isContextual("assert")||this.hasPrecedingLineBreak())return
this.hasPlugin("importAssertions")?[]:null;this.expectPlugin("importAssertions"),this.next(),this.eat(o.braceL);const
e=this.parseAssertEntries();return
this.eat(o.braceR),e}maybeParseDefaultImportSpecifier(e){return!!this.shouldParseDefaultImport(e)&&(this.parseI
mportSpecifierLocal(e,this.startNode(),"ImportDefaultSpecifier","default import
specifier"),!0)}maybeParseStarImportSpecifier(e){if(this.match(o.star)){const t=this.startNode();return
this.next(),this.expectContextual("as"),this.parseImportSpecifierLocal(e,t,"ImportNamespaceSpecifier","import
namespace specifier"),!0}return!1}parseNamedImportSpecifiers(e){let
t=!0;for(this.expect(o.braceL);!this.eat(o.braceR);){if(t=!1;else{if(this.eat(o.colon))throw
this.raise(this.state.start,T.DestructureNamedImport);if(this.expect(o.comma),this.eat(o.braceR))break}this.parseIm
portSpecifier(e)}parseImportSpecifier(e){const
t=this.startNode();if(t.imported=this.parseModuleExportName(),this.eatContextual("as"))t.local=this.parseIdentifier(
);else{const{imported:e}=t;if("StringLiteral"===e.type)throw
this.raise(t.start,T.ImportBindingIsString,e.value);this.checkReservedWord(e.name,t.start,!0,!0),t.local=e.__clone()}
this.checkLVal(t.local,"import
specifier",9),e.specifiers.push(this.finishNode(t,"ImportSpecifier"))}isThisParam(e){return"Identifier"===e.type&&
"this"===e.name}}{constructor(e,t){super(e=function(e){const t={};for(const r of
Object.keys(g))t[r]=e&&null!=e[r]?e[r]:g[r];return
t}(e),t),this.options=e,this.initializeScopes(),this.plugins=function(e){const t=new Map;for(const r of
e){const[e,n]=Array.isArray(r)?r:[r,{}];t.has(e)||t.set(e,n||{ })}return
t}(this.options.plugins),this.filename=e.sourceFilename}getScopeHandler(){return
q}parse(){this.enterInitialScopes();const e=this.startNode(),t=this.startNode();return
this.nextToken(),e.errors=null,this.parseTopLevel(e,t),e.errors=this.state.errors,e}function Be(e,t){let r=Re;return
null!=e&&e.plugins&&(!function(e){if(he(e,"decorators")){if(he(e,"decorators-legacy"))throw new Error("Cannot
use the decorators and decorators-legacy plugin together");const
t=fe(e,"decorators","decoratorsBeforeExport");if(null==t)throw new Error("The 'decorators' plugin requires a
'decoratorsBeforeExport' option, whose value must be a boolean. If you are migrating from Babylon/Babel 6 or want
to use the old decorators proposal, you should use the 'decorators-legacy' plugin instead of
'decorators'.");if("boolean"!==typeof t)throw new Error("'decoratorsBeforeExport' must be a
boolean.");}if(he(e,"flow")&&he(e,"typescript"))throw new Error("Cannot combine flow and typescript
plugins.");if(he(e,"placeholders")&&he(e,"v8intrinsic"))throw new Error("Cannot combine placeholders and
v8intrinsic plugins.");if(he(e,"pipelineOperator")&&!me.includes(fe(e,"pipelineOperator","proposal"))))throw new
Error("'pipelineOperator' requires 'proposal' option whose value should be one of: "+me.map(e=>`${e}`).join(",
"));if(he(e,"moduleAttributes")){if(he(e,"importAssertions"))throw new Error("Cannot combine importAssertions
and moduleAttributes plugins.");if("may-2020"!==fe(e,"moduleAttributes","version"))throw new Error("The
'moduleAttributes' plugin requires a 'version' option, representing the last proposal update. Currently, the only
supported value is 'may-
2020'.");}if(he(e,"recordAndTuple")&&!ye.includes(fe(e,"recordAndTuple","syntaxType"))))throw new
Error("'recordAndTuple' requires 'syntaxType' option whose value should be one of: "+ye.map(e=>`${e}`).join(",
"));if(he(e,"asyncDoExpressions")&&!he(e,"doExpressions")){const e=new Error("'asyncDoExpressions' requires
'doExpressions', please add 'doExpressions' to parser plugins.");throw
e.missingPlugins="doExpressions",e}}(e.plugins),r=function(e){const t=be.filter(t=>he(e,t)),r=t.join("/");let
n=Ue[r];if(!n){n=Re;for(const e of t)n=Te[e](n);Ue[r]=n}return n}(e.plugins),new r(e,t)}const
Ue={};t.parse=function(e,t){var r;if("unambiguous"!==null==(r=t)?void 0:r.sourceType)}return

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Be(t,e).parse();t=Object.assign({},t);try{t.sourceType="module";const
r=Be(t,e),n=r.parse();if(r.sawUnambiguousESM)return n;if(r.ambiguousScriptDifferentAst)try{return
t.sourceType="script",Be(t,e).parse()}catch(e){}else n.program.sourceType="script";return n}catch(r){try{return
t.sourceType="script",Be(t,e).parse()}catch(e){}throw r}},t.parseExpression=function(e,t){const r=Be(t,e);return
r.options.strictMode&&(r.state.strict!=0),r.getExpression(),t.tokTypes=o},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=function(e,t,r){const{ metadata:a,names:l}=functi
on(e,t,r){let n,s,a,l="";do{l+=" ";const c=o(t,l);n=c.names,s=new
Set(n),a=(0,i.default)(e,e.code(c.code),{parser:r.parser,placeholderWhitelist:new
Set(c.names.concat(r.placeholderWhitelist?Array.from(r.placeholderWhitelist):[])),placeholderPattern:r.placeholder
Pattern,preserveComments:r.preserveComments,syntacticPlaceholders:r.syntacticPlaceholders})}while(a.placeholde
rs.some(e=>e.isDuplicate&&s.has(e.name)));return{ metadata:a,names:n }}(e,t,r);return t=>{const r={};return
t.forEach((e,t)=>{r[[t]]=e}),t=>{const i=(0,n.normalizeReplacements)(t);return
i&&Object.keys(i).forEach(e=>{if(Object.prototype.hasOwnProperty.call(r,e))throw new Error("Unexpected
replacement overlap.")}),e.unwrap((0,s.default)(a,i?Object.assign(i,r):{}))});var
n=r(59),i=a(r(127)),s=a(r(128));function a(e){return e&&e.__esModule?e:{ default:e }}function o(e,t){const r=[];let
n=e[0];for(let i=1;i<e.length;i++){const s=`${t}${i-
1}`;r.push(s),n+=s+e[i]}return{ names:r,code:n }}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.matchesPattern=function(e,t){return
n.matchesPattern(this.node,e,t)},t.has=s,t.isStatic=function(){return
this.scope.isStatic(this.node)},t.isnt=function(e){return!this.has(e)},t.equals=function(e,t){return
this.node[e]===t},t.isNodeType=function(e){return
n.isType(this.type,e)},t.canHaveVariableDeclarationOrExpression=function(){return("init"===this.key||"left"===thi
s.key)&&this.parentPath.isFor(),t.canSwapBetweenExpressionAndStatement=function(e){if("body"!==this.key||!t
his.parentPath.isArrowFunctionExpression())return!1;if(this.isExpression())return
n.isBlockStatement(e);if(this.isBlockStatement())return
n.isExpression(e);return!1},t.isCompletionRecord=function(e){let t=this,r=!0;do{const
n=t.container;if(t.isFunction()&&!r)return!1;if(r=!1,Array.isArray(n)&&t.key!==n.length-
1)return!1}while((t=t.parentPath)&&!t.isProgram());return!0},t.isStatementOrBlock=function(){return!this.parentPa
th.isLabeledStatement()&&!n.isBlockStatement(this.container)&&n.STATEMENT_OR_BLOCK_KEYS.includes(t
his.key)},t.referencesImport=function(e,t){if(!this.isReferencedIdentifier())return!1;const
r=this.scope.getBinding(this.node.name);if(!r||"module"!==r.kind)return!1;const
n=r.path,i=n.parentPath;if(!i.isImportDeclaration())return!1;if(i.node.source.value===e)return!1;if(!t)return!0;if(n.isI
mportDefaultSpecifier()&&"default"===t)return!0;if(n.isImportNamespaceSpecifier()&&"*"===t)return!0;if(n.isIm
portSpecifier()&&n.node.imported.name===t)return!0;return!1},t.getSource=function(){const
e=this.node;if(e.end){const t=this.hub.getCode();if(t)return
t.slice(e.start,e.end)}return""},t.willIMaybeExecuteBefore=function(e){return"after"!==this._guessExecutionStatus
RelativeTo(e)},t._guessExecutionStatusRelativeTo=function(e){const
t={ this:o(this),target:o(e)};if(t.target.node!==t.this.node)return
this._guessExecutionStatusRelativeToDifferentFunctions(t.target);const
r={ target:e.getAncestry(),this:this.getAncestry()};if(r.target.indexOf(this)>=0)return"after";if(r.this.indexOf(e)>=0)r
eturn"before";let i;const s={ target:0,this:0};for(;!i&&s.this<r.this.length;){const
e=r.this[s.this];s.target=r.target.indexOf(e),s.target>=0?i=e:s.this++}if(!i)throw new Error("Internal Babel error -
The two compared nodes don't appear to belong to the same program.");if(c(r.this,s.this-1)||c(r.target,s.target-
1))return"unknown";const a={ this:r.this[s.this-1],target:r.target[s.target-
1]};if(a.target.listKey&&a.this.listKey&&a.target.container===a.this.container)return
a.target.key>a.this.key?"before":"after";const
l=n.VISITOR_KEYS[i.type],p={ this:l.indexOf(a.this.parentKey),target:l.indexOf(a.target.parentKey)};return
p.target>p.this?"before":"after"},t._guessExecutionStatusRelativeToDifferentFunctions=function(e){if(!e.isFunction

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Declaration()||e.parentPath.isExportDeclaration())return"unknown";const
t=e.scope.getBinding(e.node.id.name);if(!t.references)return"before";const r=t.referencePaths;let n;for(const t of
r){if(!t.find(t=>t.node===e.node))continue;if("callee"!==t.key||!t.parentPath.isCallExpression())return"unknown";if
(p.has(t.node))continue;p.add(t.node);const
r=this._guessExecutionStatusRelativeTo(t);if(p.delete(t.node),n&&n!==(r))return"unknown";n=r}return
n},t.resolve=function(e,t){return
this._resolve(e,t)||this},t._resolve=function(e,t){if(t&&t.indexOf(this)>=0)return;if((t=t||[]).push(this),this.isVariable
Declarator()){if(this.get("id").isIdentifier())return this.get("init").resolve(e,t)}else
if(this.isReferencedIdentifier()){const
r=this.scope.getBinding(this.node.name);if(!r)return;if(!r.constant)return;if("module"===r.kind)return;if(r.path!==th
is){const n=r.path.resolve(e,t);if(this.find(e=>e.node===n.node))return;return
n}}else{if(this.isTypeCastExpression())return
this.get("expression").resolve(e,t);if(e&&this.isMemberExpression()){const
r=this.toComputedKey();if(!n.isLiteral(r))return;const
i=r.value,s=this.get("object").resolve(e,t);if(s.isObjectExpression()){const r=s.get("properties");for(const n of
r){if(!n.isProperty())continue;const r=n.get("key");let
s=n.isnt("computed")&&r.isIdentifier({name:i});if(s=s||r.isLiteral({value:i}),s)return
n.get("value").resolve(e,t)}else if(s.isArrayExpression()&&!isNaN(+i)){const r=s.get("elements")[i];if(r)return
r.resolve(e,t)}}},t.isConstantExpression=function(){if(this.isIdentifier()){const
e=this.scope.getBinding(this.node.name);return!e&&e.constant}if(this.isLiteral())return!this.isRegExpLiteral()&&
!this.isTemplateLiteral()||this.get("expressions").every(e=>e.isConstantExpression());if(this.isUnaryExpression())re
turn"void"===this.get("operator").node&&this.get("argument").isConstantExpression();if(this.isBinaryExpression()
)return
this.get("left").isConstantExpression()&&this.get("right").isConstantExpression();return!1},t.isInStrictMode=functi
on(){const
e=this.isProgram()?this:this.parentPath;return!e.find(e=>{if(e.isProgram({sourceType:"module"}))return!0;if(e.isC
lass())return!0;if(!e.isProgram()&&!e.isFunction())return!1;if(e.isArrowFunctionExpression()&&!e.get("body").isBl
ockStatement())return!1;let{node:t}=e;e.isFunction()&&(t=t.body);for(const e of t.directives)if("use
strict"===e.value.value)return!0}},t.is=void 0;var n=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}function s(e){const t=this.node&&this.node[e];return
t&&Array.isArray(t)?!t.length:!!t}const a=s;function
o(e){return(e.scope.getFunctionParent()||e.scope.getProgramParent()).path}function
l(e,t){switch(e){case"LogicalExpression":return"right"===t;case"ConditionalExpression":case"IfStatement":return
consequent"===t||"alternate"===t;case"WhileStatement":case"DoWhileStatement":case"ForInStatement":case"For
OfStatement":return"body"===t;case"ForStatement":return"body"===t||"update"===t;case"SwitchStatement":return
"cases"===t;case"TryStatement":return"handler"===t;case"AssignmentPattern":return"right"===t;case"OptionalMe
mberExpression":return"property"===t;case"OptionalCallExpression":return"arguments"===t;default:return!1}}fun
ction c(e,t){for(let r=0;r<t;r++){const t=e[r];if(!t.parent.type,t.parentKey))return!0}return!1}t.is=a;const p=new
WeakSet},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.call=function(e){const
t=this.opts;if(this.debug(e),this.node&&this._call(t[e]))return!0;if(this.node)return
this._call(t[this.node.type]&&t[this.node.type][e]);return!1},t._call=function(e){if(!e)return!1;for(const t of
e){if(!t)continue;const e=this.node;if(!e)return!0;const r=t.call(this.state,this,this.state);if(r&&"object"===typeof
r&&"function"===typeof r.then)throw new Error("You appear to be using a plugin with an async traversal visitor,

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which your current version of Babel does not support. If you're using a published plugin, you may need to upgrade your @babel/core version.");if(r)throw new Error("Unexpected return value from visitor method "+t);if(this.node!==e)return!0;if(this._traverseFlags>0)return!0}return!1},t.isBlacklisted=t.isDenylist=function(){var e;const t=null!=(e=this.opts.denylist)?e:this.opts.blacklist;return t&&t.indexOf(this.node.type)>-1},t.visit=function(){if(!this.node)return!1;if(this.isDenylist())return!1;if(this.opts.shouldSkip&&this.opts.shouldSkip(this))return!1;if(this.shouldSkip||this.call("enter")||this.shouldSkip)return this.debug("Skip..."),this.shouldStop;return this.debug("Recurring into..."),i.default.node(this.node,this.opts,this.scope,this.state,this,this.skipKeys),this.call("exit"),this.shouldStop},t.skip=function(){this.shouldSkip=!0},t.skipKey=function(e){null===this.skipKeys&&(this.skipKeys={});this.skipKeys[e]=!0},t.stop=function(){this._traverseFlags|=s.SHOULD_SKIP|s.SHOULD_STOP},t.setScope=function(){if(this.opts&&this.opts.noScope)return;let e,t=this.parentPath;for(;t&&!e;){if(t.opts&&t.opts.noScope)return;e=t.scope,t=t.parentPath}this.scope=this.getScope(e),this.scope&&this.scope.init(),t.setContext=function(e){null!==this.skipKeys&&(this.skipKeys={});this._traverseFlags=0,e&&(this.context=e,this.state=e.state,this.opts=e.opts);return this.setScope(),this},t.resync=function(){if(this.removed)return;this._resyncParent(),this._resyncList(),this._resyncKey(),t._resyncParent=function(){this.parentPath&&(this.parent=this.parentPath.node)},t._resyncKey=function(){if(!this.container)return;if(this.node===this.container[this.key])return;if(Array.isArray(this.container)){for(let e=0;e<this.container.length;e++)if(this.container[e]===this.node)return this.setKey(e)}else for(const e of Object.keys(this.container))if(this.container[e]===this.node)return this.setKey(e);this.key=null},t._resyncList=function(){if(!this.parent||!this.inList)return;const e=this.parent[this.listKey];if(this.container===e)return;this.container=e||null},t._resyncRemoved=function(){null!==this.key&&this.container&&this.container[this.key]===this.node||this._markRemoved(),t.popContext=function(){this.contexts.pop(),this.contexts.length>0?this.setContext(this.contexts[this.contexts.length-1]):this.setContext(void 0)},t.pushContext=function(e){this.contexts.push(e),this.setContext(e)},t.setup=function(e,t,r,n){this.listKey=r,this.container=t,this.parentPath=e||this.parentPath,this.setKey(n)},t.setKey=function(e){var t;this.key=e,this.node=this.container[this.key],this.type=null==(t=this.node)?void 0:t.type},t.requeue=function(e=this){if(e.removed)return;const t=this.contexts;for(const r of t)r.maybeQueue(e)},t._getQueueContexts=function(){let e=this,t=this.contexts;for(;!t.length&&(e=e.parentPath,e);)t=e.contexts;return t};var n,i=(n=r(17))&&n.__esModule?n:{default:n},s=r(8)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.remove=function(){var e;this._assertUnremoved(),this.resync(),(null==(e=this.opts)?void 0:e.noScope)||this._removeFromScope();if(this._callRemovalHooks())return void this._markRemoved();this.shareCommentsWithSiblings(),this._remove(),this._markRemoved(),t._removeFromScope=function(){const e=this.getBindingIdentifiers();Object.keys(e).forEach(e=>this.scope.removeBinding(e))},t._callRemovalHooks=function(){for(const e of n.hooks)if(e(this,this.parentPath))return!0},t._remove=function(){Array.isArray(this.container)?(this.container.splice(this.key,1),this.updateSiblingKeys(this.key,-1)):this._replaceWith(null)},t._markRemoved=function(){this._traverseFlags|=i.SHOULD_SKIP|i.REMOVED,this.node=null},t._assertUnremoved=function(){if(this.removed)throw this.buildCodeFrameError("NodePath has been removed so is read-only.");var n=r(366),i=r(8)},function(e,t,r){"use strict";Object.defineProperty(t,"__esModule",{value:!0}),t.hooks=void 0;t.hooks=[function(e,t){if("test"===e.key&&(t.isWhile()||t.isSwitchCase()||"declaration"===e.key&&t.isExportDeclaration()||"body"===e.key&&t.isLabeledStatement()||"declarations"===e.listKey&&t.isVariableDeclaration())&&1===t.node.declarations.length||"expression"===e.key&&t.isExpressionStatement())return t.remove(),!0},function(e,t){if(t.isSequenceExpression()&&1===t.node.expressions.length)return t.replaceWith(t.node.expressions[0]),!0},function(e,t){if(t.isBinary())return"left"===e.key?t.replaceWith(t.node.right

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t):t.replaceWith(t.node.left,!0},function(e,t){if(t.isIfStatement()&&("consequent"===e.key||"alternate"===e.key)||"
body"===e.key&&(t.isLoop()||t.isArrowFunctionExpression()))return
e.replaceWith({type:"BlockStatement",body:[]},!0}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.insertBefore=function(e){this._assertUnremoved(),e=this
._verifyNodeList(e);const{parentPath:t}=this;if(t.isExpressionStatement()||t.isLabeledStatement()||t.isExportNamed
Declaration()||t.isExportDefaultDeclaration()&&this.isDeclaration())return
t.insertBefore(e);if(this.isNodeType("Expression")&&!this.isJSXElement()||t.isForStatement()&&"init"===this.key)
return
this.node&&&e.push(this.node),this.replaceExpressionWithStatements(e);if(Array.isArray(this.container))return
this._containerInsertBefore(e);if(this.isStatementOrBlock()){const
t=this.node&&(!this.isExpressionStatement()||null!==this.node.expression);return
this.replaceWith(a.blockStatement(t?[this.node]:[]),this.unshiftContainer("body",e)}throw new Error("We don't
know what to do with this node type. We were previously a Statement but we can't fit in
here?")},t._containerInsert=function(e,t){this.updateSiblingKeys(e,t.length);const
r=[];this.container.splice(e,0,...t);for(let n=0;n<t.length;n++){const
t=e+n,i=this.getSibling(t);r.push(i),this.context&&this.context.queue&&i.pushContext(this.context)}const
n=this._getQueueContexts();for(const e of r){e.setScope(),e.debug("Inserted.");for(const t of
n)t.maybeQueue(e,!0)}return r},t._containerInsertBefore=function(e){return
this._containerInsert(this.key,e)},t._containerInsertAfter=function(e){return
this._containerInsert(this.key+1,e)},t.insertAfter=function(e){this._assertUnremoved(),e=this._verifyNodeList(e);co
nst{parentPath:t}=this;if(t.isExpressionStatement()||t.isLabeledStatement()||t.isExportNamedDeclaration()||t.isExpor
tDefaultDeclaration()&&this.isDeclaration())return
t.insertAfter(e.map(e=>a.isExpression(e)?a.expressionStatement(e):e));if(this.isNodeType("Expression")&&!this.isJ
SXElement()&&!t.isJSXElement()||t.isForStatement()&&"init"===this.key){if(this.node){let{scope:r}=this;t.isMet
hod({computed:!0,key:this.node})&&(r=r.parent);const
n=r.generateDeclaredUidIdentifier();e.unshift(a.expressionStatement(a.assignmentExpression("=",a.cloneNode(n),th
is.node))),e.push(a.expressionStatement(a.cloneNode(n)))}return
this.replaceExpressionWithStatements(e)}if(Array.isArray(this.container))return
this._containerInsertAfter(e);if(this.isStatementOrBlock()){const
t=this.node&&(!this.isExpressionStatement()||null!==this.node.expression);return
this.replaceWith(a.blockStatement(t?[this.node]:[]),this.pushContainer("body",e)}throw new Error("We don't know
what to do with this node type. We were previously a Statement but we can't fit in
here?")},t.updateSiblingKeys=function(e,t){if(!this.parent)return;const r=n.path.get(this.parent);for(let
n=0;n<r.length;n++){const
i=r[n];i.key>=e&&(i.key+=t)},t._verifyNodeList=function(e){if(!e)return[];e.constructor!==Array&&(e=[e]);for(l
et t=0;t<e.length;t++){const r=e[t];let n;if(r!"object"!==typeof r?n="contains a non-object node":r.type?r instanceof
s.default&&(n="has a NodePath when it expected a raw object"):n="without a type":n="has falsy node",n){const
e=Array.isArray(r)"array":typeof r;throw new Error(`Node list ${n} with the index of ${t} and type of
${e}`)}}return e},t.unshiftContainer=function(e,t){this._assertUnremoved(),t=this._verifyNodeList(t);return
s.default.get({parentPath:this,parent:this.node,container:this.node[e],listKey:e,key:0})._containerInsertBefore(t)},t.p
ushContainer=function(e,t){this._assertUnremoved(),t=this._verifyNodeList(t);const r=this.node[e];return
s.default.get({parentPath:this,parent:this.node,container:r,listKey:e,key:r.length}).replaceWithMultiple(t)},t.hoist=f
unction(e=this.scope){return new i.default(this,e).run()};var
n=r(38),i=l(r(368)),s=l(r(8)),a=function(e){if(e&&&e.__esModule)return e;if(null===e||"object"!==typeof
e&&"function"!==typeof e)return{default:e};var t=o();if(t&&t.has(e))return t.get(e);var
r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t

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&&t.set(e,r);return r}(r(0));function o(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
o=function(){return e},e}function l(e){return e&&e.__esModule?{default:e}},function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value: !0 }), t.default=void 0;var
n=function(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof
e)return{default:e};var t=i();if(t&&t.has(e))return t.get(e);var
r={ },n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){ var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
i=function(){return e},e}const
s={ ReferencedIdentifier(e,t){if(e.isJSXIdentifier())&&n.react.isCompatTag(e.node.name)&&!e.parentPath.isJSXMe
mberExpression())return;if("this"===e.node.name){ let
r=e.scope;do{if(r.path.isFunction())&&!r.path.isArrowFunctionExpression()}break}while(r=r.parent);r&&t.breakOn
ScopePaths.push(r.path)}const r=e.scope.getBinding(e.node.name);if(r){for(const n of
r.constantViolations)if(n.scope!==r.path.scope)return t.mutableBinding=!0,void
e.stop();r===t.scope.getBinding(e.node.name)&&(t.bindings[e.node.name]=r)}};t.default=class{ constructor(e,t){ th
is.breakOnScopePaths=[],this.bindings={},this.mutableBinding=!1,this.scopes=[],this.scope=t,this.path=e,this.attac
hAfter=!1}isCompatibleScope(e){for(const t of Object.keys(this.bindings)){ const
r=this.bindings[t];if(!e.bindingIdentifierEquals(t.r.identifier))return!1}return!0}getCompatibleScopes(){let
e=this.path.scope;do{if(!this.isCompatibleScope(e))break;if(this.scopes.push(e),this.breakOnScopePaths.indexOf(e
.path)>=0)break}while(e=e.parent)}getAttachmentPath(){let e=this._getAttachmentPath();if(!e)return;let
t=e.scope;if(t.path===e&&(t=e.scope.parent),t.path.isProgram()||t.path.isFunction())for(const r of
Object.keys(this.bindings)){if(!t.hasOwnBinding(r))continue;const
n=this.bindings[r];if("param"===n.kind||"params"===n.path.parentKey)continue;if(this.getAttachmentParentForPat
h(n.path).key>=e.key){this.attachAfter=!0,e=n.path;for(const t of
n.constantViolations)this.getAttachmentParentForPath(t).key>e.key&&(e=t)}return e}_getAttachmentPath(){const
e=this.scopes.pop();if(e)if(e.path.isFunction()){if(!this.hasOwnParamBindings(e))return
this.getNextScopeAttachmentParent();{if(this.scope===e)return;const t=e.path.get("body").get("body");for(let
e=0;e<t.length;e++)if(!t[e].node._blockHoist)return t[e]}else if(e.path.isProgram())return
this.getNextScopeAttachmentParent()}getNextScopeAttachmentParent(){const e=this.scopes.pop();if(e)return
this.getAttachmentParentForPath(e.path)}getAttachmentParentForPath(e){do{if(!e.parentPath||Array.isArray(e.cont
ainer)&&e.isStatement())return e}while(e=e.parentPath)}hasOwnParamBindings(e){for(const t of
Object.keys(this.bindings)){if(!e.hasOwnBinding(t))continue;const
r=this.bindings[t];if("param"===r.kind&&r.constant)return!0}return!1}run(){if(this.path.traverse(s,this),this.mutabl
eBinding)return;this.getCompatibleScopes();const
e=this.getAttachmentPath();if(!e)return;if(e.getFunctionParent()===this.path.getFunctionParent())return;let
t=e.scope.generateUidIdentifier("ref");const
r=n.variableDeclarator(t,this.path.node),i=this.attachAfter?"insertAfter":"insertBefore",[a]=e[i](e.isVariableDeclara
tor)?r:n.variableDeclaration("var",[r]),o=this.path.parentPath;return
o.isJSXElement())&&this.path.container===o.node.children&&(t=n.JSXExpressionContainer(t)),this.path.replaceWith(n.cloneNode(t)),e.isVariableDeclarator()?a.get("init"):a.get("declarations.0.init"))},function(e,t,r){ "use
strict";Object.defineProperty(t, "__esModule", { value: !0 }), t.getOpposite=function(){if("left"===this.key)return
this.getSibling("right");if("right"===this.key)return this.getSibling("left")},t.getCompletionRecords=function(){let
e=[];if(this.isIfStatement())e=o(this.get("consequent"),e),e=o(this.get("alternate"),e);else
if(this.isDoExpression()||this.isFor()||this.isWhile())e=o(this.get("body"),e);else
if(this.isProgram()||this.isBlockStatement())e=o(this.get("body").pop(),e);else if(this.isFunction())return
this.get("body").getCompletionRecords();this.isTryStatement()?e=o(this.get("block"),e),e=o(this.get("handler"),e):
this.isCatchClause()?e=o(this.get("body"),e):this.isSwitchStatement()?e=function(e,t){let r=!0;for(let n=e.length-

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1;n>=0;n--){const i=e[n].get("consequent");let
s=l(i);if(s){for(;0===s.key&&s.parentPath.isBlockStatement();s=s.parentPath;const
e=s.getPrevSibling();s.key>0&&(e.isExpressionStatement()||e.isBlockStatement())){t=o(e,t),s.remove():s.replace
With(s.scope.buildUndefinedNode()),t=o(s,t)}else if(r){const
e=t=>!t.isBlockStatement()||t.get("body").some(e);i.some(e)&&(t=o(i[i.length-1],t),r=!1)}return
t}(this.get("cases"),e):e.push(this)}return e},t.getSibling=function(e){return
i.default.get({parentPath:this.parentPath,parent:this.parent,container:this.container,listKey:this.listKey,key:e}),t.get
PrevSibling=function(){return this.getSibling(this.key-1)},t.getNextSibling=function(){return
this.getSibling(this.key+1)},t.getAllNextSiblings=function(){let e=this.key,t=this.getSibling(++e);const
r=[];for(;t.node;)r.push(t),t=this.getSibling(++e);return r},t.getAllPrevSiblings=function(){let
e=this.key,t=this.getSibling(--e);const r=[];for(;t.node;)r.push(t),t=this.getSibling(--e);return
r},t.get=function(e,t){!0===t&&(t=this.context);const r=e.split(".");return
1===r.length?this._getKey(e,t):this._getPattern(r,t),t._getKey=function(e,t){const r=this.node,n=r[e];return
Array.isArray(n)?n.map((s,a)=>i.default.get({listKey:e,parentPath:this.parent:r,container:n,key:a}).setContext(t)):i.d
efault.get({parentPath:this.parent:r,container:r,key:e}).setContext(t)},t._getPattern=function(e,t){let r=this;for(const
n of e)r="."===n?r.parentPath:Array.isArray(r)?r[n]:r.get(n,t);return r},t.getBindingIdentifiers=function(e){return
s.getBindingIdentifiers(this.node,e)},t.getOuterBindingIdentifiers=function(e){return
s.getOuterBindingIdentifiers(this.node,e)},t.getBindingIdentifierPaths=function(e=!1,t=!1){let
r=[];r.concat(this);const n=Object.create(null);for(;r.length;){const i=r.shift();if(!i)continue;if(!i.node)continue;const
a=s.getBindingIdentifiers.keys[i.node.type];if(i.isIdentifier())if(e){(n[i.node.name]=n[i.node.name]||[]).push(i)}else
n[i.node.name]=i}else if(i.isExportDeclaration()){const
e=i.get("declaration");e.isDeclaration()&&r.push(e)}else if(t){if(i.isFunctionDeclaration()){r.push(i.get("id"));conti
nue}if(i.isFunctionExpression())continue}if(a)for(let e=0;e<a.length;e++){const
t=a[e],n=i.get(t):(Array.isArray(n)||n.node)&&(r=r.concat(n))}}return
n},t.getOuterBindingIdentifierPaths=function(e){return this.getBindingIdentifierPaths(e,!0)};var
n,i=(n=r(8))&&n.__esModule?n:{default:n},s=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=a();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i in
e)if(Object.prototype.hasOwnProperty.call(e,i)){var
s=n?Object.getOwnPropertyDescriptor(e,i):null;s&&(s.get||s.set)?Object.defineProperty(r,i,s):r[i]=e[i]}r.default=e,t
&&t.set(e,r);return r}(r(0));function a(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return
a=function(){return e},e}function o(e,t){return e?t.concat(e.getCompletionRecords()):t}function l(e){let
t;Array.isArray(e)||e=[e];for(const i of
e){if(i.isDoExpression()||i.isProgram()||i.isBlockStatement()||i.isCatchClause()||i.isLabeledStatement())t=l(i.get("bod
y"));else if(i.isIfStatement()){var r;t=null!=(r=l(i.get("consequent")))?r:l(i.get("alternate"))}else
if(i.isTryStatement()){var n;t=null!=(n=l(i.get("block")))?n:l(i.get("handler"))}else
i.isBreakStatement()&&(t=i);if(t)return t}return null}},function(e,t,r){ "use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.shareCommentsWithSiblings=function(){if("string"===ty
peof this.key)return;const e=this.node;if(!e)return;const
t=e.trailingComments,r=e.leadingComments;if(!t&&!r)return;const n=this.getSibling(this.key-
1),i=this.getSibling(this.key+1),s=Boolean(n.node),a=Boolean(i.node);s&&!a?n.addComments("trailing",t):a&&!s
&&i.addComments("leading",r)},t.addComment=function(e,t,r){n.addComment(this.node,e,t,r)},t.addComments=fun
ction(e,t){n.addComments(this.node,e,t)};var n=function(e){if(e&&e.__esModule)return
e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var t=i();if(t&&t.has(e))return
t.get(e);var r={},n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var s in
e)if(Object.prototype.hasOwnProperty.call(e,s)){var
a=n?Object.getOwnPropertyDescriptor(e,s):null;a&&(a.get||a.set)?Object.defineProperty(r,s,a):r[s]=e[s]}r.default=e
,t&&t.set(e,r);return r}(r(0));function i(){if("function"!==typeof WeakMap)return null;var e=new WeakMap;return

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i=function(){return e},e}},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.explode=o,t.verify=l,t.merge=function(e,t=[],r){const
n={};for(let i=0;i<e.length;i++){const s=e[i],a=t[i];o(s);for(const e of Object.keys(s)){let
t=s[e];(a||r)&&(t=p(t,a,r));f(n[e]=n[e]||{ },t)}}return n};var n=a(r(63)),i=a(r(0));function s(){if("function"!==typeof
WeakMap)return null;var e=new WeakMap;return s=function(){return e},e}function
a(e){if(e&&e.__esModule)return e;if(null===e||"object"!==typeof e&&"function"!==typeof e)return{default:e};var
t=s();if(t&&t.has(e))return t.get(e);var r={ },n=Object.defineProperty&&Object.getOwnPropertyDescriptor;for(var i
in e)if(Object.prototype.hasOwnProperty.call(e,i)){var
a=n?Object.getOwnPropertyDescriptor(e,i):null;a&&(a.get||a.set)?Object.defineProperty(r,i,a):r[i]=e[i]}return
r.default=e,t&&t.set(e,r),r}function o(e){if(e._exploded)return e;e._exploded=!0;for(const t of
Object.keys(e)){if(h(t))continue;const r=t.split("");if(1===r.length)continue;const n=e[t];delete e[t];for(const t of
r)e[t]=n}l(e),delete e.__esModule,function(e){for(const t of Object.keys(e)){if(h(t))continue;const
r=e[t];"function"===typeof r&&(e[t]={enter:r})}(e),u(e);for(const t of Object.keys(e)){if(h(t))continue;const
r=n[t];if(!r)continue;const i=e[t];for(const e of Object.keys(i))i[e]=d(r,i[e]);if(delete e[t],r.types)for(const t of
r.types)e[t]?f(e[t],i):e[t]=i;else f(e,i)}for(const t of Object.keys(e)){if(h(t))continue;const r=e[t];let
n=i.FLIPPED_ALIAS_KEYS[t];const s=i.DEPRECATED_KEYS[t];if(s&&(console.trace(`Visitor defined for ${t}
but it has been renamed to ${s}`),n=[s],n){delete e[t];for(const t of n){const
n=e[t];n?f(n,r):e[t]=Object.assign({ },r)}}}for(const t of Object.keys(e))h(t)||u(e[t]);return e}function
l(e){if(!e._verified){if("function"===typeof e)throw new Error("You passed `traverse()` a function when it expected a
visitor object, are you sure you didn't mean `{ enter: Function }`?");for(const t of
Object.keys(e)){if("enter"!==t&&"exit"!==t||c(t,e[t]),h(t))continue;if(i.TYPES.indexOf(t)<0)throw new Error(` You
gave us a visitor for the node type ${t} but it's not a valid type`);const r=e[t];if("object"===typeof r)for(const e of
Object.keys(r)){if("enter"!==e&&"exit"!==e)throw new Error(` You passed `traverse()` a visitor object with the
property ${t} that has the invalid property ${e}`);c(`${t}.${e}`,r[e])}}e._verified=!0}}function c(e,t){const
r=[];concat(t);for(const t of r)if("function"!==typeof t)throw new TypeError(` Non-function found defined in ${e}
with type ${typeof t}`)}function p(e,t,r){const n={ };for(const i of Object.keys(e)){let
s=e[i];Array.isArray(s)&&(s=s.map((function(e){let n=e;return t&&(n=function(r){return
e.call(t,r,t)),r&&(n=r(t.key,i,n)),n!==e&&(n.toString()=>e.toString()),n[i]=s})return n)}function
u(e){e.enter&&!Array.isArray(e.enter)&&(e.enter=[e.enter]),e.exit&&!Array.isArray(e.exit)&&(e.exit=[e.exit])}fu
nction d(e,t){const r=function(r){if(e.checkPath(r))return t.apply(this,arguments)};return
r.toString()=>t.toString(),r}function
h(e){return "_ "===e[0]||("enter"===e||"exit"===e||"shouldSkip"===e||("denylist"===e||"noScope"===e||"skipKeys"=
===e||"blacklist"===e))}function f(e,t){for(const r of Object.keys(t))e[r]=[];concat(e[r]||[],t[r])},function(e,t,r){"use
strict";Object.defineProperty(t,"__esModule",{value:!0}),t.default=void
0;t.default=class{getCode(){getScope(){addHelper(){throw new Error("Helpers are not supported by the default
hub.")}buildError(e,t,r=TypeError){return new r(t)}}},function(e,t,r){var n,i,s;!function(r,a){"use strict";i=[],void
0===(s="function"===typeof(n=function(){function e(e){return e.charAt(0).toUpperCase()+e.substring(1)}function
t(e){return function(){return this[e]}}var
r=["isConstructor","isEval","isNative","isToplevel"],n=["columnNumber","lineNumber"],i=["fileName","functionN
ame","source"],s=r.concat(n,i,["args"]);function a(t){if(t)for(var r=0;r<s.length;r++)void
0!==t[s[r]]&&this["set"+e(s[r])](t[s[r]])}a.prototype={getArgs:function(){return
this.args},setArgs:function(e){if("[object Array]"!==Object.prototype.toString.call(e))throw new TypeError("Args
must be an Array");this.args=e},getEvalOrigin:function(){return this.evalOrigin},setEvalOrigin:function(e){if(e
instanceof a)this.evalOrigin=e;else{if(!(e instanceof Object))throw new TypeError("Eval Origin must be an Object
or StackFrame");this.evalOrigin=new a(e)}},toString:function(){var
e=this.getFileName()||"",t=this.getLineNumber()||"",r=this.getColumnNumber()||"",n=this.getFunctionName()||"";ret
urn this.getIsEval()?e?"[eval] (" +e+" :"+t+" :"+r+" )":"[eval]:" +t+" :"+r+"n+"
(" +e+" :"+t+" :"+r+" )":e+" :"+t+" :"+r}},a.fromString=function(e){var

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t=e.indexOf("("),r=e.lastIndexOf(")"),n=e.substring(0,t),i=e.substring(t+1,r).split(","),s=e.substring(r+1);if(0===s.in
dexOf("@"))var o=@(.+?)(?:\d+)?(?:\d+)?$/exec(s,""),l=o[1],c=o[2],p=o[3];return new
a({functionName:n,args:i||void 0,fileName:l,lineNumber:c||void 0,columnNumber:p||void 0});for(var
o=0;o<r.length;o++)a.prototype["get"+e(r[o])]=t(r[o]),a.prototype["set"+e(r[o])]=function(e){return
function(t){this[e]=Boolean(t)}}(r[o]);for(var
l=0;l<n.length;l++)a.prototype["get"+e(n[l])]=t(n[l]),a.prototype["set"+e(n[l])]=function(e){return
function(t){if(r=t,isNaN(parseFloat(r))||!isFinite(r))throw new TypeError(e+" must be a Number");var
r;this[e]=Number(t)}(n[l]);for(var
c=0;c<i.length;c++)a.prototype["get"+e(i[c])]=t(i[c]),a.prototype["set"+e(i[c])]=function(e){return
function(t){this[e]=String(t)}(i[c]);return a})?n.apply(t,i:n||(e.exports=s)}),function(e,t,r){"use
strict";r.r(t),r.d(t,"parseSourceAndMetadata",(function(){return
Y})),r.d(t,"purgeCachedMetadata",(function(){return W}));var n=r(60),i=r(61),s=r.n(i),"undefined"!==typeof
performance&&"function"===typeof performance.mark&&performance.clearMarks;const a="undefined"!==typeof
performance&&"function"===typeof performance.now;function o(){return
a?performance.now():Date.now()}function l(e,t,r){const n=o();const i=t();if(null!=r){r(o()-n)}return i}var
c=r(17),p=r.n(c);const
u=Object.freeze({PROGRAM:"Program",CALL_EXPRESSION:"CallExpression",MEMBER_EXPRESSION:"Me
mberExpression",ARRAY_PATTERN:"ArrayPattern",IDENTIFIER:"Identifier",NUMERIC_LITERAL:"Numeric
Literal",VARIABLE_DECLARATOR:"VariableDeclarator"});function
d(e,t,r=null){const{start:n,end:i}=e.node.loc;return t===n.line&&!(null===r&&(r-
=1,t===n.line&&r<n.column||t===i.line&&r>i.column))}function h(e){return
e.node.init.property.type===u.NUMERIC_LITERAL&&0===e.node.init.property.value}function f(e,t,r){let
n=[];return!function(e){const
t=e.node.id;if(t.type===u.ARRAY_PATTERN||t.type===u.IDENTIFIER&&!S(e))return!0;return!1}(e)?n=t.filter(t
=>function(e,t){const r=e.node.id.name;return
null!=r&&(r===t.node.init.object&&t.node.init.object.name)||r===t.node.init.name)}(e,t):n.unshift(e,n)}function
m(e,t,r,n,i){const s=l(0,()=>function(e){const t=[];return
l(0,()=>p(e,{enter(e){e.isVariableDeclarator()}&&function(e){const
t=e.node.init;if(null!=t){if(t.type===u.CALL_EXPRESSION){return
b(t.callee)}if(t.type===u.MEMBER_EXPRESSION||t.type===u.IDENTIFIER)return!0}return!1}(e)&&t.push(e)}
)),t)(t);let a=null;if(0===i){const e=s.filter(e=>{const t=d(e,n),r=T(e);return t&&r});1===e.length&&(a=e[0])}else
a=s.find(e=>{const t=d(e,n,i),r=T(e);return t&&r});if(!a)return null;try{const t=l(0,()=>f(a,s));return
l(0,()=>function(e,t,r){let n;const i=null===e.id;switch(t.length){case
1:if(i&&t[0]===r){n=y(r,i);break}n=y(t[0]);break;case 2:if(1!==(t=t.filter(e=>h(e))).length)throw new
Error("Couldn't isolate AST Node containing hook variable.");n=y(t[0]);break;default:n=y(r)}return
n}(e,t,a))}catch(e){return console.error(e),null}}function y(e,t=!1){var r,n;switch(e.node.id.type){case
u.ARRAY_PATTERN:return t?null:null!==(r=null===e.node.id.elements[0])||void 0===n?void
0:n.name}&&void 0!==(r?:r):null;case u.IDENTIFIER:return e.node.id.name;default:return null}}function T(e){const
t=e.node.init;if(null==t||t.type===u.CALL_EXPRESSION)return!1;return b(t.callee)}function
b(e){if(e.type===u.IDENTIFIER)return t=e.name,/^[A-Z0-
9].*$/i.test(t);if(e.type===u.MEMBER_EXPRESSION&&!e.computed&&b(e.property)){const t=e.object,r=/^[A-
Z].*/i.test(t);return t.type===u.IDENTIFIER&&r.test(t.name)}return!1;var t}function g(e,t){return
e.name===t||"MemberExpression"===e.type&&"React"===e.object.name&&e.property.name===t}function
S(e){const t=e.node.init.callee;return g(t,"useState")||g(t,"useReducer")||g(t,"useTransition")}var
x=r(129),E=r.n(x),P=r(62),v=r.n(P);let A=null,new WeakMap;function
w({fileName:e,lineNumber:t,columnNumber:r}){if(null===e||null===t||null===r)throw Error("Hook source code
location not found.");return`${e}:${t}:${r}`}for(var
O=r(21),I={},C="ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/",N=0;N

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<C.length;N++)I[C.charCodeAt(N)]=N;function k(e){for(var
t=[],r=[],n=[0,0,0,0],i=0,s=0,a=0,o=0;s<e.length;s++){var l=e.charCodeAt(s);if(44===l)D(r,n,i),i=0;else
if(59===l)D(r,n,i),i=0,t.push(r),r=[],n[0]=0;else{var c=I[1];if(void 0===c)throw new Error("Invalid character
("+String.fromCharCode(l)+"");var p=32&c;if(o+=(c&=31)<<a,p)a+=5;else{var u=1&o;>>=1,u&&(o=0===o?-
2147483648:-o),n[i]+=o,i++,o=a=0}}return D(r,n,i),t.push(r),t}function
D(e,t,r){4===r?e.push([t[0],t[1],t[2],t[3]]):5===r?e.push([t[0],t[1],t[2],t[3],t[4]]):1===r&&e.push([t[0]])}function
_(e,t){const{name:r,mappings:n}=t,i=L(e,n,M);if(null===i)throw new Error("Expected to find a line in the
HookMap that covers the target location at line: ${e.line}, column: ${e.column}`);let s;if(s=F(i)!==e.line?i[i.length-
1]:L(e,i,j),null===s)throw new Error("Expected to find a mapping in the HookMap that covers the target location at
line: ${e.line}, column: ${e.column}`);const a=function(e){const t=e[2];if(null===t)throw new Error("Unexpected
hook name index missing in entry in HookMap");return t}(s);if(null===a)throw new Error("Expected to find a name
index in the HookMap that covers the target location at line: ${e.line}, column: ${e.column}`);const
o=r[a];if(null===o)throw new Error("Expected to find a name in the HookMap that covers the target location at line:
${e.line}, column: ${e.column}`);return"<no-hook>"===o?null:o}function L(e,t,r){let
n,i=t.length,s=0,a=0;for(;i>0;){s=a,n=Math.floor(i/2),s+=n;const
o=r(e,t,s);if(0===o.direction){if(null===o.index)throw new Error("Expected an index when matching element is
found.");a=o.index;break}o.direction>0?(s++,a=s,i=-n+1):i=n}return null!==a?t[a]:null}function M(e,t,r){const
n=r,i=t[n];if(null===i)throw new Error("Unexpected line missing in HookMap at index ${r}.`);const s=F(i);let
a,o=r+1;const l=t[o];return
null!==l?a=F(l):(o=n,a=s),s===e.line?{index:n,direction:0}:a===e.line||e.line>a&&null===l?{index:o,direction:0}:s<e
.line&&e.line<a?{index:n,direction:0}:{index:null,direction:e.line-s}}function j(e,t,r){const
n=r,i=t[r];if(null===i)throw new Error("Unexpected mapping missing in HookMap line at index ${r}.`);const
s=R(i);let a,o=r+1;const l=t[o];return
null!==l?a=R(l):(o=n,a=s),s===e.column?{index:n,direction:0}:a===e.column||e.column>a&&null===l?{index:o,dire
ction:0}:s<e.column&&e.column<a?{index:n,direction:0}:{index:null,direction:e.column-s}}function F(e){return
function(e){const t=e[0];if(null===t)throw new Error("Unexpected line number missing in entry in
HookMap");return t}(e[0])}function R(e){const t=e[1];if(null===t)throw new Error("Unexpected column number
missing in entry in HookMap");return t}function B(e,t){const{sourceRoot:r}=t;let n=e;return
n=String(n),n=O.normalize(n),n=null!==r&&O.isAbsolute(r)&&O.isAbsolute(n)?O.relative(r,n):n,O.computeSource
URL(r,n)}class U{constructor(e){this._sourceMap=e,this._decodedHookMapCache=new
Map,this._metadataBySource=null}hookNameFor({line:e,column:t,source:r}){if(null===r)return null;const
n=this._getHookMapForSource(r);return null===n?null:_(({line:e,column:t},n))hasHookMap(e){return
null!==e&&null!==this._getHookMapForSource(e)}_getMetadataBySource(){return
null===this._metadataBySource&&(this._metadataBySource=this._getMetadataObjectsBySourceNames(this._source
Map)),this._metadataBySource}_getMetadataObjectsBySourceNames(e){if(void 0===e.mappings){const
t=e,r=new Map;return
t.sections.forEach(e=>{this._getMetadataObjectsBySourceNames(e.map).forEach((e,t)=>{r.set(t,e)}),r}const
t=new Map,r=e,n=(e,n)=>{let
i=r.sources[n];null!==i&&(i=B(i,r),t.set(i,e));if(e.hasOwnProperty("x_react_sources")&&null!==e.x_react_sources){
e.x_react_sources.filter(Boolean).forEach(n)}else
if(e.hasOwnProperty("x_facebook_sources")&&null!==e.x_facebook_sources){const
t=e.x_facebook_sources;null!==t&&t.forEach((e,t)=>{const r=null!==e?e[1]:null;null!==r&&n(r,t)})}return
t}_getHookMapForSource(e){if(this._decodedHookMapCache.has(e))return
this._decodedHookMapCache.get(e);let t=null;const
r=this._getMetadataBySource(),n=B(e,this._sourceMap),i=r.get(n);if(null!==i){const
e=i[0];t=null!==e?function(e){return{name:e.names,mappings:k(e.mappings)}}(e):null}return
null!==t&&this._decodedHookMapCache.set(e,t,t)}function V(e){return null!==e.sections?function(e){let t={line:-
1,column:0};const r=e.sections.map(e=>{const

```

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r=e.offset,n=r.line,i=r.column;if(n<t.line||n===t.line&&i<t.column)throw new Error("Section offsets must be
ordered and non-overlapping.");return
t=r,{generatedLine:n+1,generatedColumn:i+1,map:e.map,sourceMapConsumer:null});return{originalPositionFor:
function({columnNumber:e,lineNumber:t}){const n=e-1;let i=null,s=0,a=r.length-1,o=-
1;for(;s<=a){o=Math.floor((a+s)/2),i=r[o];const e=i.generatedLine;if(e===t){const
e=i.generatedColumn;if(e===t)break;if(e>n){if(!(a-o>0)){o=a;break}a=o}else{if(!(o-s>0)){o=s;break}s=o}}else
if(e>t){if(!(a-o>0)){o=a;break}a=o}else{if(!(o-s>0)){o=s;break}s=o}}if(null===i)throw Error("Could not find
matching section for line:${t} and column:${e}`);return
null===i.sourceMapConsumer&&(i.sourceMapConsumer=new
V(i.map)),i.sourceMapConsumer.originalPositionFor({columnNumber:e,lineNumber:t})}}(e):function(e){const
t=l(0,()=>k(e.mappings));return{originalPositionFor:function({columnNumber:r,lineNumber:n}){var i;const s=r-
1,a=t[n-1];let o=null,l=0,c=a.length-1,p=-1;for(;l<=c;){p=Math.floor((c+l)/2),o=a[p];const
e=o[0];if(e===s)break;if(e>s){if(!(c-p>0)){p=c;break}c=p}else{if(!(p-l>0)){p=l;break}l=p}}for(;p>0;){if(a[p-
1][0]!==s)break;p--}if(null===o)throw Error("Could not find runtime location for line:${n} and column:${r}`);const
u=o[1],d=null!=e.sourcesContent?e.sourcesContent[u]:null,h=null!==(i=e.sources[u])&&void
0!==(i?i:null,f=o[2]+1,m=o[3]);if(null===d||null===h)throw Error("Could not find original source for line:${n} and
column:${r}`);return{column:m,line:f,sourceContent:d,sourceURL:h}}}(e)}const K=new s.a({max:50}),q=new
s.a({max:50,dispose:(e,t)=>{0}});const Y=async function(e,t){return async function(e,t,r){const n=o(),i=await
t();if(null!=r){r(o()-n)}return i}(0,async()=>{const r=l(0,()=>function(e){const t=new Map;return
e.forEach((e,r)=>{t.set(r,{metadataConsumer:null,originalSourceAST:null,originalSourceCode:null,originalSource
URL:null,originalSourceLineNumber:null,originalSourceColumnNumber:null,sourceMapConsumer:null})}),t)(t);r
return l(0,()=>function(e,t){e.forEach((e,r)=>{const n=t.get(r);if(null===n)throw Error("Expected to find
HookParsedMetadata for
"${r}`");const{runtimeSourceURL:i,sourceMapJSON:s}=e,a=K.get(i);if(null!=a)n.metadataConsumer=a.metadataC
onsumer,n.sourceMapConsumer=a.sourceMapConsumer}else{if(null!=s){const e=l(0,()=>V(s)),t=l(0,()=>new
U(s));n.metadataConsumer=t,n.sourceMapConsumer=e,K.set(i,{metadataConsumer:t,sourceMapConsumer:e})}})}(
t,r)),l(0,()=>function(e,t){e.forEach((e,r)=>{const i=t.get(r);if(null===i)throw Error("Expected to find
HookParsedMetadata for
"${r}`");if(null===i.originalSourceAST)return;if(null!=i.originalSourceURL&&null!=i.originalSourceCode&&null!
=i.originalSourceColumnNumber&&null!=i.originalSourceLineNumber)return;const{lineNumber:s,columnNumber
:a}=e.hookSource;if(null===s||null===a)throw Error("Hook source code location not
found.");const{metadataConsumer:o,sourceMapConsumer:c}=i,p=e.runtimeSourceCode;let
u,d,h,f,m=!1;if(function(){if(null===A)try{v()}catch(e){E.a.parse(e)[0].lineNumber===P.SOURCE_STACK
_FRAME_LINE_NUMBER&&(A=!0)}return!0===A}()||null===c)h=a,f=s,d=p,u=e.runtimeSourceURL}else{const{column:e,line:t,sourceContent:r,sourceURL:n}=c.originalPositionFor({columnNumber:a,lineNumber:s});h=e,f=t,
d=r,u=n}if(i.originalSourceCode=d,i.originalSourceURL=u,i.originalSourceLineNumber=f,i.originalSourceColumn
Number=h,null!=o&&o.hasHookMap(u)&&(m=!0),m)return void 0;const
y=q.get(u);if(null!=y)i.originalSourceAST=y.originalSourceAST,i.originalSourceCode=y.originalSourceCode;else
try{const
e=d.indexOf("@flow")>0?"flow":"typescript",t=l(0,()=>Object(n.parse)(d,{sourceType:"unambiguous",plugins:["js
x",e]}));i.originalSourceAST=t,q.set(u,{originalSourceAST:t,originalSourceCode:d})}catch(e){throw new
Error("Failed to parse source file: ${u}\n\nOriginal error: `+e)`)}(t,r)),l(0,()=>function(e,t){const r=new
Map;return e.map(e=>{const n=e.hookSource;if(!n.fileName)return null;const i=w(n),s=t.get(i);if(!s)return
null;const{lineNumber:a,columnNumber:o}=n;if(!a||!o)return
null;const{originalSourceURL:c,originalSourceColumnNumber:p,originalSourceLineNumber:u}=s;if(null===u||null
===p||null===c)return null;let
d;const{metadataConsumer:h}=s,null!=h&&(d=l(0,()=>h.hookNameFor({line:u,column:p,source:c}))),null==d&&(
d=l(0,()=>m(e,s.originalSourceAST,s.originalSourceCode,u,p)));const

```

```
f=w(n);r.set(f,d)},r}(e,r))}},W=function(){q.reset(),K.reset()};addEventListener("message",(function(e){var
r,n=e.data,i=n.type,s=n.method,a=n.id,o=n.params;"RPC"===i&&&&&&(r=t[s])?Promise.resolve().then((function(){
return r.apply(t,o)})):Promise.reject("No such
method")).then((function(e){postMessage({type:"RPC",id:a,result:e}})).catch((function(e){var
t={message:e};e.stack&&(t.message=e.message,t.stack=e.stack,t.name=e.name),postMessage({type:"RPC",id:a,erro
r:t}})}))},postMessage({type:"RPC",method:"ready"}))});
```

Found in path(s):

```
* /opt/cola/permits/1653802149_1682447902.7673888/0/react-devtools-core-4-27-6-
tgz/package/dist/parseSourceAndMetadata.worker.worker.js
```

No license file was found, but licenses were detected in source scan.

```
{"version":3,"sources":["webpack://ReactDevToolsBackend/webpack/universalModuleDefinition","webpack://Reac
tDevToolsBackend/webpack/bootstrap","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/utills.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/types.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/constants.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/backend/ReactSymbols.js","webpack://ReactDevToolsBackend/./src/index.ts","webpack://ReactDevTo
olsBackend/./react-devtools-shared/src/backend/utills.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/storage.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/isArray.js","webpack://ReactDevToolsBackend//Users/hoxy/repos/react/build/oss-experimental/react-
is/index.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/backend/console.js","webpack://ReactDevToolsBackend/./shared/isArray.js","webpack://ReactDevTools
Backend/./react-devtools-shared/src/hydration.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/config/DevToolsFeatureFlags.core-
oss.js","webpack://ReactDevToolsBackend//Users/hoxy/repos/react/node_modules/lodash.throttle/index.js","webpa
ck://ReactDevToolsBackend/./shared/objectIs.js","webpack://ReactDevToolsBackend/./shared/hasOwnProperty.js"
,"webpack://ReactDevToolsBackend/./react-devtools-
shared/src/backend/StyleX/utills.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/devtools/constants.js","webpack://ReactDevToolsBackend/./react-devtools-
timeline/src/constants.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/backend/profilingHooks.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/backend/renderer.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/backend/DevToolsConsolePatching.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/backend/DevToolsComponentStackFrame.js","webpack://ReactDevToolsBackend/./react-devtools-
shared/src/backend/DevToolsFiberComponentStack.js","webpack://ReactDevToolsBackend/./shared/ReactSymbols
.js","webpack://ReactDevToolsBackend/(webpack)/buildin/global.js","webpack://ReactDevToolsBackend//Users/ho
xy/repos/react/node_modules/lru-
cache/index.js","webpack://ReactDevToolsBackend//Users/hoxy/repos/react/build/oss-experimental/react-debug-
tools/index.js","webpack://ReactDevToolsBackend//Users/hoxy/repos/react/node_modules/process/browser.js","we
bpack://ReactDevToolsBackend//Users/hoxy/repos/react/node_modules/lru-
cache/node_modules/yallist/yallist.js","webpack://ReactDevToolsBackend//Users/hoxy/repos/react/node_modules/lr
u-cache/node_modules/yallist/iterator.js","webpack://ReactDevToolsBackend//Users/hoxy/repos/react/build/oss-
experimental/react-is/cjs/react-
is.production.min.js","webpack://ReactDevToolsBackend//Users/hoxy/repos/react/build/oss-experimental/react-
debug-tools/cjs/react-debug-
tools.production.min.js","webpack://ReactDevToolsBackend//Users/hoxy/repos/react/node_modules/error-stack-
parser/error-stack-
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unction webpackUniversalModuleDefinition(root, factory) {\n\tif(typeof exports === 'object' && typeof module
=== 'object')\n\t\tmodule.exports = factory();\n\telse if(typeof define === 'function' && define.amd)\n\t\tdefine([],
factory);\n\telse if(typeof exports === 'object')\n\t\texports["ReactDevToolsBackend"] =
factory();\n\telse\n\t\troot["ReactDevToolsBackend"] = factory();\n})(window, function() {\n\treturn ", "\n\t// The
module cache\n\tvar installedModules = {};\n\t// The require function\n\tfunction
__webpack_require__(moduleId) {\n\t\t// Check if module is in cache\n\t\tif(installedModules[moduleId]) {\n\t\t\treturn
installedModules[moduleId].exports;\n\t\t}\n\t\t// Create a new module (and put it into the cache)\n\t\tvar module =
installedModules[moduleId] = {\n\t\t\ti: moduleId,\n\t\t\tl: false,\n\t\t\texports: {};\n\t\t};\n\t\t// Execute the
module function\n\t\tmodules[moduleId].call(module.exports, module, module.exports,
__webpack_require__);;\n\t\t// Flag the module as loaded\n\t\tmodule.l = true;\n\t\t// Return the exports of the
module\n\t\treturn module.exports;\n\t}\n\t// expose the modules object (__webpack_modules__)\n\t__webpack_require__.m =
modules;\n\t// expose the module cache\n\t__webpack_require__.c =
installedModules;\n\t// define getter function for harmony exports\n\t__webpack_require__.d = function(exports,
name, getter) {\n\t\tif(!__webpack_require__.o(exports, name)) {\n\t\t\tObject.defineProperty(exports, name, {\n\t\t\t\tenumerable: true,
get: getter });\n\t\t}\n\t}\n\t// define __esModule on exports\n\t__webpack_require__.r =
function(exports) {\n\t\tif(typeof Symbol !== 'undefined' && Symbol.toStringTag) {\n\t\t\tObject.defineProperty(exports,
Symbol.toStringTag, { value: 'Module' });\n\t\t}\n\t\tObject.defineProperty(exports, '__esModule', { value: true });\n\t}\n\t// create a
fake namespace object\n\tmode & 1: value is a module id, require it\n\tmode & 2: merge all properties of value into the ns\n\tmode & 4:
return value when already ns object\n\tmode & 8|1: behave like require\n\t__webpack_require__.t =
function(value, mode) {\n\t\tif(mode & 1) value = __webpack_require__(value);\n\t\tif(mode & 8) return value;\n\t\tif((mode & 4) &&
typeof value === 'object' && value && value.__esModule) return value;\n\t\tvar ns =
Object.create(null);\n\t\t__webpack_require__.r(ns);\n\t\tObject.defineProperty(ns, 'default', { enumerable: true,
value: value });\n\t\tif(mode & 2 && typeof value !== 'string') for(var key in value) __webpack_require__.d(ns, key,
function(key) { return value[key]; }.bind(null, key));\n\t\treturn ns;\n\t}\n\t// getDefaultExport function for
compatibility with non-harmony modules\n\t__webpack_require__.n = function(module) {\n\t\tvar getter = module
&& module.__esModule ?\n\t\t\tfunction getDefault() { return module['default']; }:\n\t\t\tfunction
getModuleExports() { return module; };\n\t\t__webpack_require__.d(getter, 'a', getter);\n\t\treturn getter;\n\t}\n\t//
Object.prototype.hasOwnProperty.call\n\t__webpack_require__.o = function(object, property) { return
Object.prototype.hasOwnProperty.call(object, property); };\n\t// __webpack_public_path__\n\t__webpack_require__.p =
"";\n\t// Load entry module and return exports\n\treturn
__webpack_require__(__webpack_require__.s = 28);\n}),"/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n
*\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this
source tree.\n *\n * @flow\n */\nimport LRU from 'lru-cache';\nimport {\n\tisElement,\n\ttypeof,\n\tContextConsumer,\n\tContextProvider,\n\tForwardRef,\n\tFragment,\n\tLazy,\n\tMemo,\n\tPortal,\n\tProfiler,\n\tStrictMode,\n\tSuspense,\n} from 'react-is';\nimport {\n\tREACT_SUSPENSE_LIST_TYPE as SuspenseList,\n\tREACT_TRACING_MARKER_TYPE as TracingMarker,\n} from 'shared/ReactSymbols';\nimport {\n\tTREE_OPERATION_ADD,\n\tTREE_OPERATION_REMOVE,\n\tTREE_OPERATION_REMOVE_ROOT,\n\tTREE_OPERATION_REORDER_CHILDREN,\n\tTREE_OPERATION_SET_SUBTREE_MODE,\n}

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TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS,\n
TREE_OPERATION_UPDATE_TREE_BASE_DURATION,\n
LOCAL_STORAGE_COMPONENT_FILTER_PREFERENCES_KEY,\n
LOCAL_STORAGE_OPEN_IN_EDITOR_URL,\n
LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS,\n
LOCAL_STORAGE_SHOULD_APPEND_COMPONENT_STACK_KEY,\n
LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY,\n
LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE,\n} from './constants';\nimport
{ComponentFilterElementType, ElementTypeHostComponent} from './types';\nimport {\n ElementTypeRoot,\n ElementTypeClass,\n ElementTypeForwardRef,\n ElementTypeFunction,\n ElementTypeMemo,\n} from 'react-devtools-shared/src/types';\nimport {localStorageGetItem, localStorageSetItem} from './storage';\nimport {meta}
from './hydration';\nimport isArray from './isArray';\nimport type {ComponentFilter, ElementType,
BrowserTheme} from './types';\nimport type {LRUCache} from 'react-devtools-shared/src/types';\n\n//
$FlowFixMe[method-unbinding]\nconst hasOwnProperty = Object.prototype.hasOwnProperty;\n\nconst
cachedDisplayNames: WeakMap<Function, string> = new WeakMap();\n\n// On large trees, encoding takes
significant time.\n// Try to reuse the already encoded strings.\nconst encodedStringCache: LRUCache<string,
Array<number>> = new LRU({\n  max: 1000,\n});\n\nexport function alphaSortKeys(\n  a: string | number |
symbol,\n  b: string | number | symbol,\n): number {\n  if (a.toString() > b.toString()) {\n    return 1;\n  }
else if (b.toString() > a.toString()) {\n    return -1;\n  } else {\n    return 0;\n  }\n}\n\nexport function
getAllEnumerableKeys(\n  obj: Object,\n): Set<string | number | symbol> {\n  const keys = new Set<string | number
| symbol>();\n  let current = obj;\n  while (current != null) {\n    const currentKeys = [\n      ...Object.keys(current),\n      ...Object.getOwnPropertySymbols(current),\n    ];\n    const descriptors =
Object.getOwnPropertyDescriptors(current);\n    currentKeys.forEach(key => {\n      // $FlowFixMe[compatible-
type]: key can be a Symbol https://developer.mozilla.org/en-
US/docs/Web/JavaScript/Reference/Global_Objects/Object/getOwnPropertyDescriptor\n      if
(descriptors[key].enumerable) {\n        keys.add(key);\n      }\n    });\n    current = Object.getPrototypeOf(current);\n  }\n  return keys;\n}\n\n// Mirror
https://github.com/facebook/react/blob/7c21bf72ace77094fd1910cc350a548287ef8350/packages/shared/getCompon
entName.js#L27-L37\nexport function getWrappedDisplayName(\n  outerType: mixed,\n  innerType: any,\n  wrapperName: string,\n  fallbackName?: string,\n): string {\n  const displayName = (outerType:
any).displayName;\n  return (\n    displayName || `${wrapperName}(${getDisplayName(innerType,
fallbackName)})`\n  );\n}\n\nexport function getDisplayName(\n  type: Function,\n  fallbackName: string =
'Anonymous',\n): string {\n  const nameFromCache = cachedDisplayNames.get(type);\n  if (nameFromCache !=
null) {\n    return nameFromCache;\n  }\n\n  let displayName = fallbackName;\n\n  // The displayName property is
not guaranteed to be a string.\n  // It's only safe to use for our purposes if it's a string.\n  //
github.com/facebook/react-devtools/issues/803\n  if (typeof type.displayName === 'string') {\n    displayName =
type.displayName;\n  } else if (typeof type.name === 'string' && type.name !== '') {\n    displayName =
type.name;\n  }\n\n  cachedDisplayNames.set(type, displayName);\n  return displayName;\n}\n\nlet uidCounter:
number = 0;\n\nexport function getUID(): number {\n  return ++uidCounter;\n}\n\nexport function
utfDecodeString(array: Array<number>): string {\n  // Avoid spreading the array (e.g.
String.fromCharCode(...array))\n  // Functions arguments are first placed on the stack before the function is called\n
// which throws a RangeError for large arrays.\n  // See github.com/facebook/react/issues/22293\n  let string = "";\n
for (let i = 0; i < array.length; i++) {\n    const char = array[i];\n    string += String.fromCharCode(char);\n  }\n
return string;\n}\n\nfunction surrogatePairToCodePoint(\n  charCode1: number,\n  charCode2: number,\n): number
{\n  return ((charCode1 & 0x3ff) << 10) + (charCode2 & 0x3ff) + 0x10000;\n}\n\n// Credit for this encoding
approach goes to Tim Down:\n// https://stackoverflow.com/questions/4877326/how-can-i-tell-if-a-string-contains-
multibyte-characters-in-javascript\nexport function utfEncodeString(string: string): Array<number> {\n  const
cached = encodedStringCache.get(string);\n  if (cached !== undefined) {\n    return cached;\n  }\n\n  const encoded

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= [];\n let i = 0;\n let charCode;\n while (i < string.length) {\n   charCode = string.charCodeAt(i);\n   // Handle
multibyte unicode characters (like emoji).\n   if ((charCode & 0xf800) === 0xd800) {\n
encoded.push(surrogatePairToCodePoint(charCode, string.charCodeAt(++i)));\n   } else {\n
encoded.push(charCode);\n   }\n   ++i;\n }\n\n encodedStringCache.set(string, encoded);\n\n return
encoded;\n}\n\nexport function printOperationsArray(operations: Array<number>) {\n // The first two values are
always rendererID and rootID\n const rendererID = operations[0];\n const rootID = operations[1];\n\n const logs =
[\n operations for renderer:${rendererID} and root:${rootID}`];\n\n let i = 2;\n\n // Reassemble the string table.\n
const stringTable: Array<null | string> = [\n   null, // ID = 0 corresponds to the null string.\n ];\n const
stringTableSize = operations[i++];\n const stringTableEnd = i + stringTableSize;\n while (i < stringTableEnd) {\n
const nextLength = operations[i++];\n const nextString = utfDecodeString(\n   (operations.slice(i, i +
nextLength): any),\n );\n stringTable.push(nextString);\n   i += nextLength;\n }\n\n while (i <
operations.length) {\n   const operation = operations[i];\n\n   switch (operation) {\n     case
TREE_OPERATION_ADD: {\n       const id = ((operations[i + 1]: any): number);\n       const type = ((operations[i
+ 2]: any): ElementType);\n\n       i += 3;\n\n       if (type === ElementTypeRoot) {\n         logs.push(`Add new
root node ${id}`);\n         i++; // isStrictModeCompliant\n         i++; // supportsProfiling\n         i++; //
supportsStrictMode\n         i++; // hasOwnerMetadata\n       } else {\n         const parentID = ((operations[i]: any):
number);\n         i++;;\n         i++; // ownerID\n\n         const displayNameStringID = operations[i];\n         const
displayName = stringTable[displayNameStringID];\n         i++;;\n         i++; // key\n\n         logs.push(\n
`Add node ${id} (${displayName || 'null'}) as child of ${parentID}`,\n         );\n         }\n         break;\n       }\n     case
TREE_OPERATION_REMOVE: {\n       const removeLength = ((operations[i + 1]: any): number);\n       i +=
2;\n\n       for (let removeIndex = 0; removeIndex < removeLength; removeIndex++) {\n         const id =
((operations[i]: any): number);\n         i += 1;\n\n         logs.push(`Remove node ${id}`);\n         }\n         break;\n
}\n     case TREE_OPERATION_REMOVE_ROOT: {\n       i += 1;\n\n       logs.push(`Remove root
${rootID}`);\n       break;\n     }\n     case TREE_OPERATION_SET_SUBTREE_MODE: {\n       const id =
operations[i + 1];\n       const mode = operations[i + 1];\n\n       i += 3;\n\n       logs.push(`Mode ${mode} set for
subtree with root ${id}`);\n       break;\n     }\n     case TREE_OPERATION_REORDER_CHILDREN: {\n       const id =
((operations[i + 1]: any): number);\n       const numChildren = ((operations[i + 2]: any): number);\n       i
+= 3;\n       const children = operations.slice(i, i + numChildren);\n       i += numChildren;\n\n       logs.push(`Re-
order node ${id} children ${children.join(',')}`);\n       break;\n     }\n     case
TREE_OPERATION_UPDATE_TREE_BASE_DURATION: {\n       // Base duration updates are only sent while
profiling is in progress.\n       // We can ignore them at this point.\n       // The profiler UI uses them lazily in order
to generate the tree.\n       i += 3;\n       break;\n     }\n     case
TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS: {\n       const id = operations[i + 1];\n       const
numErrors = operations[i + 2];\n       const numWarnings = operations[i + 3];\n       i += 4;\n\n       logs.push(\n
`Node ${id} has ${numErrors} errors and ${numWarnings} warnings`,\n       );\n       break;\n       default: {\n
throw Error(`Unsupported Bridge operation \"${operation}\"`);\n       }\n     }\n   }\n\n   console.log(logs.join(\n
`));\n}\n\nexport function getDefaultComponentFilters(): Array<ComponentFilter> {\n return [\n   {\n     type:
ComponentFilterElementType,\n     value: ElementTypeHostComponent,\n     isEnabled: true,\n   },\n ];\n}\n\nexport function getSavedComponentFilters(): Array<ComponentFilter> {\n try {\n   const raw =
localStorage.getItem(\n     LOCAL_STORAGE_COMPONENT_FILTER_PREFERENCES_KEY,\n   );\n   if
(raw !== null) {\n     return JSON.parse(raw);\n   }\n } catch (error) {\n }\n return
getDefaultComponentFilters();\n}\n\nexport function setSavedComponentFilters(\n componentFilters:
Array<ComponentFilter>,\n): void {\n   localStorage.setItem(\n     LOCAL_STORAGE_COMPONENT_FILTER_PREFERENCES_KEY,\n     JSON.stringify(componentFilters),\n   );\n}\n\nfunction parseBool(s: ?string): ?boolean {\n if (s === 'true') {\n   return true;\n }\n if (s === 'false') {\n
return false;\n }\n}\n\nfunction castBool(v: any): ?boolean {\n if (v === true || v === false) {\n   return v;\n }\n}\n\nfunction castBrowserTheme(v: any): ?BrowserTheme {\n if (v === 'light' || v === 'dark' || v ===
'auto') {\n   return v;\n }\n}\n\nexport function getAppendComponentStack(): boolean {\n const raw =

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localStorage.getItem(\n  LOCAL_STORAGE_SHOULD_APPEND_COMPONENT_STACK_KEY,\n );\n return
parseBool(raw) ?? true;\n}\n\nexport function getBreakOnConsoleErrors(): boolean {\n const raw =
localStorage.getItem(LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS);\n return
parseBool(raw) ?? false;\n}\n\nexport function getHideConsoleLogsInStrictMode(): boolean {\n const raw =
localStorage.getItem(\n  LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE,\n );\n return
parseBool(raw) ?? false;\n}\n\nexport function getShowInlineWarningsAndErrors(): boolean {\n const raw =
localStorage.getItem(\n  LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY,\n );\n return
parseBool(raw) ?? true;\n}\n\nexport function getDefaultOpenInEditorURL(): string {\n return typeof
process.env.EDITOR_URL === 'string'\n ? process.env.EDITOR_URL\n : '';\n}\n\nexport function
getOpenInEditorURL(): string {\n try {\n const raw =
localStorage.getItem(LOCAL_STORAGE_OPEN_IN_EDITOR_URL);\n if (raw != null) {\n return
JSON.parse(raw);\n }\n } catch (error) {} \n return getDefaultOpenInEditorURL();\n}\n\nexport function
separateDisplayNameAndHOCs(\n displayName: string | null,\n type: ElementType,\n): [string | null,
Array<string> | null] {\n if (displayName === null) {\n return [null, null];\n }\n\n let hocDisplayNames =
null;\n\n switch (type) {\n case ElementTypeClass:\n case ElementTypeForwardRef:\n case
ElementTypeFunction:\n case ElementTypeMemo:\n if (displayName.indexOf('(') >= 0) {\n const matches
= displayName.match(/(?:^|)/g);\n if (matches != null) {\n displayName = matches.pop();\n
hocDisplayNames = matches;\n }\n }\n break;\n default:\n break;\n }\n\n return [displayName,
hocDisplayNames];\n}\n\n// Pulled from react-compat\n// https://github.com/developit/preact-
compat/blob/7c5de00e7c85e2ffd011bf3af02899b63f699d3a/src/index.js#L349\nexport function
shallowDiffers(prev: Object, next: Object): boolean {\n for (const attribute in prev) {\n if (!(attribute in next)) {\n
return true;\n }\n }\n for (const attribute in next) {\n if (prev[attribute] !== next[attribute]) {\n
return true;\n }\n }\n return false;\n}\n\nexport function getInObject(object: Object, path: Array<string | number>): any
{\n return path.reduce((reduced: Object, attr: any): any => {\n if (reduced) {\n if
(hasOwnProperty.call(reduced, attr)) {\n return reduced[attr];\n }\n if (typeof reduced[Symbol.iterator]
=== 'function') {\n // Convert iterable to array and return array[index]\n //\n // TRICKY\n // Don't
use [...spread] syntax for this purpose.\n // This project uses @babel/plugin-transform-spread in "loose" mode
which only works with Array values.\n // Other types (e.g. typed arrays, Sets) will not spread correctly.\n
return Array.from(reduced)[attr];\n }\n }\n return null;\n }, object);\n}\n\nexport function
deletePathInObject(\n object: Object,\n path: Array<string | number>,\n) {\n const length = path.length;\n const
last = path[length - 1];\n if (object != null) {\n const parent = getInObject(object, path.slice(0, length - 1));\n if
(parent) {\n if (isArray(parent)) {\n parent.splice(((last: any): number), 1);\n } else {\n delete
parent[last];\n }\n }\n }\n}\n\nexport function renamePathInObject(\n object: Object,\n oldPath: Array<string
| number>,\n newPath: Array<string | number>,\n) {\n const length = oldPath.length;\n if (object != null) {\n
const parent = getInObject(object, oldPath.slice(0, length - 1));\n if (parent) {\n const lastOld = oldPath[length -
1];\n const lastNew = newPath[length - 1];\n parent[lastNew] = parent[lastOld];\n if (isArray(parent)) {\n
parent.splice(((lastOld: any): number), 1);\n } else {\n delete parent[lastOld];\n }\n }\n }\n}\n\nexport
function setInObject(\n object: Object,\n path: Array<string | number>,\n value: any,\n) {\n const length =
path.length;\n const last = path[length - 1];\n if (object != null) {\n const parent = getInObject(object,
path.slice(0, length - 1));\n if (parent) {\n parent[last] = value;\n }\n }\n}\n\nexport type DataType =\n |
'array'\n | 'array_buffer'\n | 'bigint'\n | 'boolean'\n | 'class_instance'\n | 'data_view'\n | 'date'\n | 'function'\n |
'html_all_collection'\n | 'html_element'\n | 'infinity'\n | 'iterator'\n | 'opaque_iterator'\n | 'nan'\n | 'null'\n |
'number'\n | 'object'\n | 'react_element'\n | 'regexp'\n | 'string'\n | 'symbol'\n | 'typed_array'\n | 'undefined'\n |
'unknown';\n\n/**\n * Get a enhanced/artificial type string based on the object instance\n */\nexport function
getDataType(data: Object): DataType {\n if (data === null) {\n return 'null';\n } else if (data === undefined) {\n
return 'undefined';\n }\n\n if (isElement(data)) {\n return 'react_element';\n }\n\n if (typeof HTMLInputElement !==
'undefined' && data instanceof HTMLInputElement) {\n return 'html_element';\n }\n\n const type = typeof data;\n
switch (type) {\n case 'bigint':\n return 'bigint';\n case 'boolean':\n return 'boolean';\n case 'function':\n

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return 'function';\n case 'number':\n   if (Number.isNaN(data)) {\n     return 'nan';\n   } else if\n(!Number.isFinite(data)) {\n   return 'infinity';\n   } else {\n   return 'number';\n   }\n case 'object':\n   if\n(isArray(data)) {\n   return 'array';\n   } else if (ArrayBuffer.isView(data)) {\n   return\nhasOwnProperty.call(data.constructor, 'BYTES_PER_ELEMENT')\n   ? 'typed_array'\n   : 'data_view';\n   }\n   } else if (data.constructor && data.constructor.name === 'ArrayBuffer') {\n   // HACK This ArrayBuffer check is\n   gross; is there a better way?\n   // We could try to create a new DataView with the value.\n   // If it doesn't\n   error, we know it's an ArrayBuffer,\n   // but this seems kind of awkward and expensive.\n   return\n'array_buffer';\n   } else if (typeof data[Symbol.iterator] === 'function') {\n   const iterator =\ndata[Symbol.iterator]();\n   if (!iterator) {\n   // Proxies might break assumptions about iterators.\n   //\n   See github.com/facebook/react/issues/21654\n   } else {\n   return iterator === data ? 'opaque_iterator':\n'iterator';\n   }\n   } else if (data.constructor && data.constructor.name === 'RegExp') {\n   return 'regexp';\n   }\n   } else {\n   // $FlowFixMe[method-unbinding]\n   const toStringValue =\nObject.prototype.toString.call(data);\n   if (toStringValue === '[object Date]') {\n   return 'date';\n   } else\nif (toStringValue === '[object HTMLAllCollection]') {\n   return 'html_all_collection';\n   }\n   }\n   }\n   if\n(!isPlainObject(data)) {\n   return 'class_instance';\n   }\n   }\n   return 'object';\n case 'string':\n   return\n'string';\n case 'symbol':\n   return 'symbol';\n case 'undefined':\n   if (\n   // $FlowFixMe[method-\n   unbinding]\n   Object.prototype.toString.call(data) === '[object HTMLAllCollection]'\n   ) {\n   return\n'html_all_collection';\n   }\n   return 'undefined';\n   default:\n   return 'unknown';\n   }\n   }\n\nexport function\ngetDisplayNameForReactElement(\n element: React$Element<any>,\n): string | null {\n const elementType =\ntypeOf(element);\n switch (elementType) {\n case ContextConsumer:\n   return 'ContextConsumer';\n case\nContextProvider:\n   return 'ContextProvider';\n case ForwardRef:\n   return 'ForwardRef';\n case\nFragment:\n   return 'Fragment';\n case Lazy:\n   return 'Lazy';\n case Memo:\n   return 'Memo';\n case\nPortal:\n   return 'Portal';\n case Profiler:\n   return 'Profiler';\n case StrictMode:\n   return 'StrictMode';\n case\nSuspense:\n   return 'Suspense';\n case SuspenseList:\n   return 'SuspenseList';\n case TracingMarker:\n   return 'TracingMarker';\n   default:\n   const {type} = element;\n   if (typeof type === 'string') {\n   return\ntype;\n   } else if (typeof type === 'function') {\n   return\ngetDisplayName(type, 'Anonymous');\n   } else if\n(type !== null) {\n   return 'NotImplementedInDevtools';\n   } else {\n   return 'Element';\n   }\n   }\n   }\n\nconst MAX_PREVIEW_STRING_LENGTH = 50;\nfunction truncateForDisplay(\n string: string,\nlength: number = MAX_PREVIEW_STRING_LENGTH,\n) {\n if (string.length > length) {\n   return\nstring.slice(0, length) + '...';\n   } else {\n   return string;\n   }\n   }\n\n// Attempts to mimic Chrome's inline preview\nfor values.\n// For example, the following value...\n// {\n//   foo: 123,\n//   bar: \"abc\",\n//   baz: [true,\n// false],\n//   qux: { ab: 1, cd: 2 }\n// }\n// Would show a preview of...\n// {\n//   foo: 123, bar: \"abc\", baz:\n// Array(2), qux: { ... }\n// }\n// And the following value...\n// [123, \"abc\", [true, false],\n// { foo:\n// 123, bar: \"abc\" }\n// ];\n// Would show a preview of...\n// [123, \"abc\", Array(2), { ...}]\n\nexport function\nformatDataForPreview(\n data: any,\n showFormattedValue: boolean,\n): string {\n if (data !== null &&\nhasOwnProperty.call(data, meta.type)) {\n   return showFormattedValue\n   ? data[meta.preview_long]\n   :\ndata[meta.preview_short];\n   }\n   }\n   const type = getDataType(data);\n   }\n   }\n   switch (type) {\n case 'html_element':\n   return\n`<${truncateForDisplay(data.tagName.toLowerCase())}>`;\n case 'function':\n   return\ntruncateForDisplay(\n   `f ${typeof data.name === 'function' ? '' : data.name}()\n   `,\n   );\n case 'string':\n   return\n`\"${data}\"`;\n case 'bigint':\n   return\ntruncateForDisplay(data.toString() + 'n');\n case 'regexp':\n   return\ntruncateForDisplay(data.toString());\n case 'symbol':\n   return\ntruncateForDisplay(data.toString());\n case 'react_element':\n   return\n`<${truncateForDisplay(\n   getDisplayNameForReactElement(data) ||\n'Unknown',\n   )}>`;\n case 'array_buffer':\n   return\n`ArrayBuffer(${data.byteLength})`;\n case\n'data_view':\n   return\n`DataView(${data.buffer.byteLength})`;\n case 'array':\n   if (showFormattedValue) {\n   let formatted = \"\";\n   for (let i = 0; i < data.length; i++) {\n   if (i > 0) {\n   formatted += ', '\n   }\n   formatted += formatDataForPreview(data[i], false);\n   if (formatted.length >\nMAX_PREVIEW_STRING_LENGTH) {\n   // Prevent doing a lot of unnecessary iteration...\n   break;\n   }\n   }\n   return\n`[${truncateForDisplay(formatted)}]`; \n   } else {\n   const length =

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hasOwnProperty.call(data, meta.size)\n      ? data[meta.size]\n      : data.length;\n    return\n    `Array(${length})`;}\n  }\n  case 'typed_array':\n    const shortName =\n    `${data.constructor.name}(${data.length})`; \n    if (showFormattedValue) {\n      let formatted = ";\n      for (let i\n      = 0; i < data.length; i++) {\n        if (i > 0) {\n          formatted += ', ';\n        }\n        formatted += data[i];\n      }\n      if (formatted.length > MAX_PREVIEW_STRING_LENGTH) {\n        // Prevent doing a lot of unnecessary\n        iteration...\n        break;\n      }\n    }\n    return `${shortName} [${truncateForDisplay(formatted)}]`;}\n  }\n  else {\n    return shortName;\n  }\n  case 'iterator':\n    const name = data.constructor.name;\n    if\n    (showFormattedValue) {\n      // TRICKY\n      // Don't use [...spread] syntax for this purpose.\n      // This\n      project uses @babel/plugin-transform-spread in "loose" mode which only works with Array values.\n      // Other\n      types (e.g. typed arrays, Sets) will not spread correctly.\n      const array = Array.from(data);\n      let formatted\n      = ";\n      for (let i = 0; i < array.length; i++) {\n        const entryOrEntries = array[i];\n        if (i > 0) {\n          formatted += ', ';\n        }\n        // TRICKY\n        // Browsers display Maps and Sets differently.\n        // To\n        mimic their behavior, detect if we've been given an entries tuple.\n        // Map(2) {"abc" => 123, "def" =>\n        123}\n        // Set(2) {"abc", 123}\n        if (isArray(entryOrEntries)) {\n          const key =\n          formatDataForPreview(entryOrEntries[0], true);\n          const value = formatDataForPreview(entryOrEntries[1],\n          false);\n          formatted += `${key} => ${value}`;\n        } else {\n          formatted +=\n          formatDataForPreview(entryOrEntries, false);\n        }\n        if (formatted.length >\n        MAX_PREVIEW_STRING_LENGTH) {\n          // Prevent doing a lot of unnecessary iteration...\n          break;\n        }\n      }\n    }\n    return `${name}(${data.size}) [${truncateForDisplay(formatted)}]`;}\n  }\n  else {\n    return `${name}(${data.size})`;}\n  }\n  case 'opaque_iterator':\n    return data[Symbol.toStringTag];\n  }\n  case 'date':\n    return data.toString();\n  case 'class_instance':\n    return data.constructor.name;\n  case\n  'object':\n    if (showFormattedValue) {\n      const keys =\n      Array.from(getAllEnumerableKeys(data)).sort(alphaSortKeys);\n      let formatted = ";\n      for (let i = 0; i <\n      keys.length; i++) {\n        const key = keys[i];\n        if (i > 0) {\n          formatted += ', ';\n        }\n        formatted += `${key.toString()}: ${formatDataForPreview(\n        data[key],\n        false,\n        )}`;\n        if\n        (formatted.length > MAX_PREVIEW_STRING_LENGTH) {\n          // Prevent doing a lot of unnecessary\n          iteration...\n          break;\n        }\n      }\n    }\n    return `${truncateForDisplay(formatted)}`;}\n  }\n  else {\n    return '{...}';\n  }\n  case 'boolean':\n  case 'number':\n  case 'infinity':\n  case 'nan':\n  case 'null':\n  case\n  'undefined':\n    return data;\n  default:\n    try {\n      return truncateForDisplay(String(data));\n    } catch\n    (error) {\n      return 'unserializable';\n    }\n  }\n}\n\n// Basically checking that the object only has Object in its\n// prototype chain\nexport const isPlainObject = (object: Object): boolean => {\n  const objectPrototype =\n  Object.getPrototypeOf(object);\n  if (!objectPrototype) return true;\n  const objectParentPrototype =\n  Object.getPrototypeOf(objectPrototype);\n  return !objectParentPrototype;\n};\n\n/**\n * Copyright (c) Meta\n * Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE\n * file in the root directory of this source tree.\n * @flow\n */\n\n/**\n * WARNING:\n * This file contains types\n * that are designed for React DevTools UI and how it interacts with the backend.\n * They might be used in different\n * versions of DevTools backends.\n * Be mindful of backwards compatibility when making changes.\n */\n\nexport\n// type\n// BrowserTheme = 'dark' | 'light';\nexport type Wall = {\n  // `listen` returns the "unlisten" function.\n  listen:\n  (fn: Function) => Function,\n  send: (event: string, payload: any, transferable?: Array<any>) => void;\n};\n\n//\n// WARNING\n// The values below are referenced by ComponentFilters (which are saved via localStorage).\n// Do not\n// change them or it will break previously saved user customizations.\n// If new element types are added, use new\n// numbers rather than re-ordering existing ones.\n// Changing these types is also a backwards breaking change for\n// the standalone shell,\n// since the frontend and backend must share the same values-\n// and the backend is\n// embedded in certain environments (like React Native).\nexport const ElementTypeClass = 1;\nexport const\n// ElementTypeContext = 2;\nexport const ElementTypeFunction = 5;\nexport const ElementTypeForwardRef =\n// 6;\nexport const ElementTypeHostComponent = 7;\nexport const ElementTypeMemo = 8;\nexport const\n// ElementTypeOtherOrUnknown = 9;\nexport const ElementTypeProfiler = 10;\nexport const ElementTypeRoot =\n// 11;\nexport const ElementTypeSuspense = 12;\nexport const ElementTypeSuspenseList = 13;\nexport const

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ElementTypeTracingMarker = 14;\n\n// Different types of elements displayed in the Elements tree.\n// These types
may be used to visually distinguish types,\n// or to enable/disable certain functionality.\nexport type ElementType =
1 | 2 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14;\n\n// WARNING\n// The values below are referenced by
ComponentFilters (which are saved via localStorage).\n// Do not change them or it will break previously saved user
customizations.\n// If new filter types are added, use new numbers rather than re-ordering existing ones.\nexport
const ComponentFilterElementType = 1;\nexport const ComponentFilterDisplayName = 2;\nexport const
ComponentFilterLocation = 3;\nexport const ComponentFilterHOC = 4;\n\nexport type ComponentFilterType = 1 |
2 | 3 | 4;\n\n// Hide all elements of types in this Set.\n// We hide host components only by default.\nexport type
ElementTypeComponentFilter = {\n  isEnabled: boolean,\n  type: 1,\n  value: ElementType,\n};\n\n// Hide all
elements with displayNames or paths matching one or more of the RegExps in this Set.\n// Path filters are only used
when elements include debug source location.\nexport type RegExpComponentFilter = {\n  isEnabled: boolean,\n
isValid: boolean,\n  type: 2 | 3,\n  value: string,\n};\n\nexport type BooleanComponentFilter = {\n  isEnabled:
boolean,\n  isValid: boolean,\n  type: 4,\n};\n\nexport type ComponentFilter =\n  | BooleanComponentFilter\n  |
ElementTypeComponentFilter\n  | RegExpComponentFilter;\n\nexport type HookName = string | null;\n\n// Map of
hook source ("<filename>:<line-number>:<column-number>") to name.\n// Hook source is used instead of the
hook itself because the latter is not stable between element inspections.\n// We use a Map rather than an Array
because of nested hooks and traversal ordering.\nexport type HookSourceLocationKey = string;\nexport type
HookNames = Map<HookSourceLocationKey, HookName>;\n\nexport type LRUCache<K, V> = {\n  del: (key: K)
=> void,\n  get: (key: K) => V,\n  has: (key: K) => boolean,\n  reset: () => void,\n  set: (key: K, value: V) =>
void,\n};\n\nexport type StyleXPlugin = {\n  sources: Array<string>,\n  resolvedStyles: Object,\n};\n\nexport type
Plugins = {\n  stylex: StyleXPlugin | null,\n};\n\nexport const StrictMode = 1;\n"/*\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n * \n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n * \n * @flow\n */\n\nexport const
CHROME_WEBSTORE_EXTENSION_ID = 'fmkadmapofadopljbjfkpdkoiienihi';\nexport const
INTERNAL_EXTENSION_ID = 'dnjnjbfilfphmojnmhliehogmojhclc';\nexport const LOCAL_EXTENSION_ID =
'ikiahnpldjmmpkmfhjdjilojjhgcbf';\n\n// Flip this flag to true to enable verbose console debug logging.\nexport
const __DEBUG__ = false;\n\n// Flip this flag to true to enable performance.mark() and performance.measure()
timings.\nexport const __PERFORMANCE_PROFILE__ = false;\n\nexport const TREE_OPERATION_ADD =
1;\nexport const TREE_OPERATION_REMOVE = 2;\nexport const
TREE_OPERATION_REORDER_CHILDREN = 3;\nexport const
TREE_OPERATION_UPDATE_TREE_BASE_DURATION = 4;\nexport const
TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS = 5;\nexport const
TREE_OPERATION_REMOVE_ROOT = 6;\nexport const TREE_OPERATION_SET_SUBTREE_MODE =
7;\n\nexport const PROFILING_FLAG_BASIC_SUPPORT = 0b01;\nexport const
PROFILING_FLAG_TIMELINE_SUPPORT = 0b10;\n\nexport const
LOCAL_STORAGE_DEFAULT_TAB_KEY = 'React::DevTools::defaultTab';\n\nexport const
LOCAL_STORAGE_COMPONENT_FILTER_PREFERENCES_KEY =\n
'React::DevTools::componentFilters';\n\nexport const SESSION_STORAGE_LAST_SELECTION_KEY =\n
'React::DevTools::lastSelection';\n\nexport const LOCAL_STORAGE_OPEN_IN_EDITOR_URL =\n
'React::DevTools::openInEditorUrl';\n\nexport const LOCAL_STORAGE_PARSE_HOOK_NAMES_KEY =\n
'React::DevTools::parseHookNames';\n\nexport const
SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY =\n
'React::DevTools::recordChangeDescriptions';\n\nexport const
SESSION_STORAGE_RELOAD_AND_PROFILE_KEY =\n
'React::DevTools::reloadAndProfile';\n\nexport
const LOCAL_STORAGE_SHOULD_BREAK_ON_CONSOLE_ERRORS =\n
'React::DevTools::breakOnConsoleErrors';\n\nexport const LOCAL_STORAGE_BROWSER_THEME =
'React::DevTools::theme';\n\nexport const
LOCAL_STORAGE_SHOULD_APPEND_COMPONENT_STACK_KEY =\n

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'React::DevTools::appendComponentStack';\n\nexport const
LOCAL_STORAGE_SHOW_INLINE_WARNINGS_AND_ERRORS_KEY =\n
'React::DevTools::showInlineWarningsAndErrors';\n\nexport const
LOCAL_STORAGE_TRACE_UPDATES_ENABLED_KEY =\n
'React::DevTools::traceUpdatesEnabled';\n\nexport const
LOCAL_STORAGE_HIDE_CONSOLE_LOGS_IN_STRICT_MODE =\n
'React::DevTools::hideConsoleLogsInStrictMode';\n\nexport const PROFILER_EXPORT_VERSION = 5;\n", "/**\n
* Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n *\n\n// This list should be kept
updated to reflect additions to 'shared/ReactSymbols'.\n// DevTools can't import symbols from
'shared/ReactSymbols' directly for two reasons:\n// 1. DevTools requires symbols which may have been deleted in
more recent versions (e.g. concurrent mode)\n// 2. DevTools must support both Symbol and numeric forms of each
symbol;\n// Since e.g. standalone DevTools runs in a separate process, it can't rely on its own ES
capabilities.\n\nexport const CONCURRENT_MODE_NUMBER = 0xeacf;\n\nexport const
CONCURRENT_MODE_SYMBOL_STRING = 'Symbol(react.concurrent_mode)';\n\nexport const
CONTEXT_NUMBER = 0xeace;\n\nexport const CONTEXT_SYMBOL_STRING =
'Symbol(react.context)';\n\nexport const SERVER_CONTEXT_SYMBOL_STRING =
'Symbol(react.server_context)';\n\nexport const DEPRECATED_ASYNC_MODE_SYMBOL_STRING =
'Symbol(react.async_mode)';\n\nexport const ELEMENT_NUMBER = 0xeac7;\n\nexport const
ELEMENT_SYMBOL_STRING = 'Symbol(react.element)';\n\nexport const
DEBUG_TRACING_MODE_NUMBER = 0xae1;\n\nexport const
DEBUG_TRACING_MODE_SYMBOL_STRING =\n 'Symbol(react.debug_trace_mode)';\n\nexport const
FORWARD_REF_NUMBER = 0xead0;\n\nexport const FORWARD_REF_SYMBOL_STRING =
'Symbol(react.forward_ref)';\n\nexport const FRAGMENT_NUMBER = 0xeacb;\n\nexport const
FRAGMENT_SYMBOL_STRING = 'Symbol(react.fragment)';\n\nexport const LAZY_NUMBER =
0xead4;\n\nexport const LAZY_SYMBOL_STRING = 'Symbol(react.lazy)';\n\nexport const MEMO_NUMBER =
0xead3;\n\nexport const MEMO_SYMBOL_STRING = 'Symbol(react.memo)';\n\nexport const PORTAL_NUMBER =
0xeaca;\n\nexport const PORTAL_SYMBOL_STRING = 'Symbol(react.portal)';\n\nexport const
PROFILER_NUMBER = 0xead2;\n\nexport const PROFILER_SYMBOL_STRING =
'Symbol(react.profiler)';\n\nexport const PROVIDER_NUMBER = 0xeacd;\n\nexport const
PROVIDER_SYMBOL_STRING = 'Symbol(react.provider)';\n\nexport const SCOPE_NUMBER =
0xead7;\n\nexport const SCOPE_SYMBOL_STRING = 'Symbol(react.scope)';\n\nexport const
STRICT_MODE_NUMBER = 0xeacc;\n\nexport const STRICT_MODE_SYMBOL_STRING =
'Symbol(react.strict_mode)';\n\nexport const SUSPENSE_NUMBER = 0xead1;\n\nexport const
SUSPENSE_SYMBOL_STRING = 'Symbol(react.suspense)';\n\nexport const SUSPENSE_LIST_NUMBER =
0xead8;\n\nexport const SUSPENSE_LIST_SYMBOL_STRING = 'Symbol(react.suspense_list)';\n\nexport const
SERVER_CONTEXT_DEFAULT_VALUE_NOT_LOADED_SYMBOL_STRING =\n
'Symbol(react.server_context.default_value_not_loaded)';\n", "/**\n
* Compare [semver](https://semver.org/) version strings to
find greater, equal or lesser.\n * This library supports the full semver specification, including comparing versions
with different number of digits like `1.0.0`, `1.0`, `1`, and pre-release versions like `1.0.0-alpha`.\n * @param v1 -
First version to compare\n * @param v2 - Second version to compare\n * @returns Numeric value compatible with
the [Array.sort(fn) interface](https://developer.mozilla.org/en-
US/docs/Web/JavaScript/Reference/Global_Objects/Array/sort#Parameters).\n *\n\nexport const compareVersions =
(v1, v2) => {\n // validate input and split into segments\n const n1 = validateAndParse(v1);\n const n2 =
validateAndParse(v2);\n // pop off the patch\n const p1 = n1.pop();\n const p2 = n2.pop();\n // validate
numbers\n const r = compareSegments(n1, n2);\n if (r !== 0)\n return r;\n // validate pre-release\n if (p1
&& p2) {\n return compareSegments(p1.split('.'), p2.split('.'));\n } else if (p1 || p2) {\n return p1 ? -1 :
1;\n }\n return 0;\n};\n", "/**\n
* Validate [semver](https://semver.org/) version strings.\n *\n * @param version

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Version number to validate\n * @returns `true` if the version number is a valid semver version number, `false`
otherwise.\n * @example\n * ```\n * validate('1.0.0-rc.1'); // return true\n * validate('1.0.0-rc.1'); // return false\n *
validate('foo'); // return false\n * ```\n * \nexport const validate = (version) => typeof version === 'string' &&
/^[v\d]\/.test(version) && semver.test(version);\n/**\n * Compare [semver](https://semver.org/) version strings
using the specified operator.\n * @param v1 First version to compare\n * @param v2 Second version to
compare\n * @param operator Allowed arithmetic operator to use\n * @returns `true` if the comparison between the
firstVersion and the secondVersion satisfies the operator, `false` otherwise.\n * @example\n * ```\n *
compare('10.1.8', '10.0.4', '>'); // return true\n * compare('10.0.1', '10.0.1', '='); // return true\n * compare('10.1.1',
'10.2.2', '<'); // return true\n * compare('10.1.1', '10.2.2', '<='); // return true\n * compare('10.1.1', '10.2.2', '>='); //
return false\n * ```\n * \nexport const compare = (v1, v2, operator) => {\n // validate input operator\n
assertValidOperator(operator);\n // since result of compareVersions can only be -1 or 0 or 1\n // a simple map
can be used to replace switch\n const res = compareVersions(v1, v2);\n return
operatorResMap[operator].includes(res);\n};\n/**\n * Match [npm semver](https://docs.npmjs.com/cli/v6/using-
npm/semver) version range.\n * @param version Version number to match\n * @param range Range pattern for
version\n * @returns `true` if the version number is within the range, `false` otherwise.\n * @example\n * ```\n *
satisfies('1.1.0', '^1.0.0'); // return true\n * satisfies('1.1.0', '~1.0.0'); // return false\n * ```\n * \nexport const satisfies
= (version, range) => {\n // if no range operator then "~" or "^" is assumed\n const m = range.match(/^(<=>=|^+)$/);\n const op
= m ? m[1] : '=';\n // if gt/lt/eq then operator compare\n if (op !== '^' && op !== '~')\n return
compare(version, range, op);\n // else range of either "~" or "^" is assumed\n const [v1, v2, v3, , vp] =
validateAndParse(version);\n const [r1, r2, r3, , rp] = validateAndParse(range);\n const v = [v1, v2, v3];\n
const r = [r1, r2 !== null && r2 !== void 0 ? r2 : 'x', r3 !== null && r3 !== void 0 ? r3 : 'x'];\n // validate pre-
release\n if (rp) {\n if (!vp)\n return false;\n if (compareSegments(v, r) !== 0)\n return
false;\n if (compareSegments(vp.split('.'), rp.split('.')) === -1)\n return false;\n }\n // first non-zero
number\n const nonZero = r.findIndex((v) => v !== '0') + 1;\n // pointer to where segments can be >=\n const i
= op === '~' ? 2 : nonZero > 1 ? nonZero : 1;\n // before pointer must be equal\n if (compareSegments(v.slice(0,
i), r.slice(0, i)) !== 0)\n return false;\n // after pointer must be >=\n if (compareSegments(v.slice(i),
r.slice(i)) === -1)\n return false;\n return true;\n};\nconst semver =
/^[v^~<=>]*?(\\d+)(?:\\.([x*]\\d+)(?:\\.([x*]\\d+)(?:\\.([x*]\\d+))?(?:-([\\da-z\\-]+(?:\\.([\\da-z\\-]+)*)?)?(?:+([\\da-z\\-
]+(?:\\.([\\da-z\\-]+)*)?)?)?)?)?$/i;\nconst validateAndParse = (version) => {\n if (typeof version !== 'string') {\n
throw new TypeError('Invalid argument expected string');\n }\n const match = version.match(semver);\n if
(!match) {\n throw new Error('Invalid argument not valid semver (' + version + ') received');\n }\n
match.shift();\n return match;\n};\nconst isWildcard = (s) => s === '*' || s === 'x' || s === 'X';\nconst tryParse = (v)
=> {\n const n = parseInt(v, 10);\n return isNaN(n) ? v : n;\n};\nconst forceType = (a, b) => typeof a !== typeof
b ? [String(a), String(b)] : [a, b];\nconst compareStrings = (a, b) => {\n if (isWildcard(a) || isWildcard(b))\n
return 0;\n const [ap, bp] = forceType(tryParse(a), tryParse(b));\n if (ap > bp)\n return 1;\n if (ap < bp)\n
return -1;\n return 0;\n};\nconst compareSegments = (a, b) => {\n for (let i = 0; i < Math.max(a.length,
b.length); i++) {\n const r = compareStrings(a[i] || '0', b[i] || '0');\n if (r !== 0)\n return r;\n }\n
return 0;\n};\nconst operatorResMap = {\n '>': [1],\n '>=': [0, 1],\n '=': [0],\n '<=': [-1, 0],\n '<': [-
1],\n};\nconst allowedOperators = Object.keys(operatorResMap);\nconst assertValidOperator = (op) => {\n if
(typeof op !== 'string') {\n throw new TypeError('Invalid operator type, expected string but got ' + typeof
op);\n }\n if (allowedOperators.indexOf(op) === -1) {\n throw new Error('Invalid operator, expected one
of ' + allowedOperators.join('|'));\n }\n};\n\n/# sourceMappingURL=index.js.map", "/*\n * Copyright (c)
Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n * \n * @flow\n * \nimport {compareVersions} from
'compare-versions';\nimport {dehydrate} from '../hydration';\nimport isArray from 'shared/isArray';\nimport type
{DehydratedData} from 'react-devtools-shared/src/devtools/views/Components/types';\n\n// TODO: update this to
the first React version that has a corresponding DevTools backend\nconst
FIRST_DEVTOOLS_BACKEND_LOCKSTEP_VER = '999.9.9';\nexport function hasAssignedBackend(version?):

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string): boolean {\n  if (version === null || version === '') {\n    return false;\n  }\n  return gte(version,
FIRST_DEVTOOLS_BACKEND_LOCKSTEP_VER);\n}\n\nexport function cleanForBridge(\n  data: Object |
null,\n  isPathAllowed: (path: Array<string | number>) => boolean,\n  path: Array<string | number> = [],\n):
DehydratedData | null {\n  if (data !== null) {\n    const cleanedPaths: Array<Array<string | number>> = [];\n
const unserializablePaths: Array<Array<string | number>> = [];\n    const cleanedData = dehydrate(\n    data,\n
cleanedPaths,\n    unserializablePaths,\n    path,\n    isPathAllowed,\n  );\n\n  return {\n    data:
cleanedData,\n    cleaned: cleanedPaths,\n    unserializable: unserializablePaths,\n  }; \n } else {\n  return null;\n
}\n}\n\nexport function copyWithDelete(\n  obj: Object | Array<any>,\n  path: Array<string | number>,\n  index:
number = 0,\n): Object | Array<any> {\n  const key = path[index];\n  const updated = isArray(obj) ? obj.slice() :
{...obj};\n  if (index + 1 === path.length) {\n    if (isArray(updated)) {\n      updated.splice(((key: any): number),
1);\n    } else {\n      delete updated[key];\n    } \n } else {\n    // $FlowFixMe[compatible-use] number or string is
fine here\n    updated[key] = copyWithDelete(obj[key], path, index + 1);\n  }\n  return updated;\n}\n\n// This
function expects paths to be the same except for the final value.\n// e.g. ['path', 'to', 'foo'] and ['path', 'to',
'bar']\n\nexport function copyWithRename(\n  obj: Object | Array<any>,\n  oldPath: Array<string | number>,\n
newPath: Array<string | number>,\n  index: number = 0,\n): Object | Array<any> {\n  const oldKey =
oldPath[index];\n  const updated = isArray(obj) ? obj.slice() : {...obj};\n  if (index + 1 === oldPath.length) {\n
const newKey = newPath[index];\n    // $FlowFixMe[compatible-use] number or string is fine here\n
updated[newKey] = updated[oldKey];\n    if (isArray(updated)) {\n      updated.splice(((oldKey: any): number), 1);\n
    } else {\n      delete updated[oldKey];\n    } \n } else {\n    // $FlowFixMe[compatible-use] number or string is
fine here\n    updated[oldKey] = copyWithRename(obj[oldKey], oldPath, newPath, index + 1);\n  }\n  return
updated;\n}\n\nexport function copyWithSet(\n  obj: Object | Array<any>,\n  path: Array<string | number>,\n  value:
any,\n  index: number = 0,\n): Object | Array<any> {\n  if (index >= path.length) {\n    return value;\n  }\n  const key
= path[index];\n  const updated = isArray(obj) ? obj.slice() : {...obj};\n  // $FlowFixMe[compatible-use] number or
string is fine here\n  updated[key] = copyWithSet(obj[key], path, value, index + 1);\n  return updated;\n}\n\nexport
function getEffectDurations(root: Object): {\n  effectDuration: any | null,\n  passiveEffectDuration: any | null,\n} {\n
// Profiling durations are only available for certain builds.\n // If available, they'll be stored on the HostRoot.\n
let effectDuration = null;\n  let passiveEffectDuration = null;\n  const hostRoot = root.current;\n  if (hostRoot !== null)
{\n    const stateNode = hostRoot.stateNode;\n    if (stateNode !== null) {\n      effectDuration =\n
stateNode.effectDuration !== null ? stateNode.effectDuration : null;\n      passiveEffectDuration =\n
stateNode.passiveEffectDuration !== null\n        ? stateNode.passiveEffectDuration\n        : null;\n    } \n }\n
return {effectDuration, passiveEffectDuration};\n}\n\nexport function serializeToString(data: any): string {\n  if (data ===
undefined) {\n    return 'undefined';\n  }\n\n  const cache = new Set<mixed>();\n  // Use a custom replacer function
to protect against circular references.\n  return JSON.stringify(\n    data,\n    (key, value) => {\n      if (typeof value
=== 'object' && value !== null) {\n        if (cache.has(value)) {\n          return;\n        }\n        cache.add(value);\n
      }\n      if (typeof value === 'bigint') {\n        return value.toString() + 'n';\n      }\n      return value;\n    },\n    2,\n
);\n}\n\n// Formats an array of args with a style for console methods, using\n// the following algorithm:\n// 1. The
first param is a string that contains %c\n//    - Bail out and return the args without modifying the styles.\n//
We don't want to affect styles that the developer deliberately set.\n// 2. The first param is a string that doesn't
contain %c but contains\n//    string formatting\n//    - [%c${args[0]}`, style, ...args.slice(1)]\n//    - Note:
we assume that the string formatting that the developer uses\n//    is correct.\n// 3. The first param is a string
that doesn't contain string formatting\n//    OR is not a string\n//    - Create a formatting string where:\n//
boolean, string, symbol -> %s\n//    number -> %f OR %i depending on if it's an int or float\n//
default -> %o\n\nexport function formatWithStyles(\n  inputArgs: $ReadOnlyArray<any>,\n  style?: string,\n):
$ReadOnlyArray<any> {\n  if (\n    inputArgs === undefined ||\n    inputArgs === null ||\n    inputArgs.length === 0
||\n    // Matches any of %c but not %%\n    (typeof inputArgs[0] === 'string' &&
inputArgs[0].match(/([^\%]|^)(%c)/g)) ||\n    style === undefined\n  ) {\n    return inputArgs;\n  }\n\n  // Matches any
of %(o|O|d|i|s|f), but not %%\n  const REGEXP = /([^\%]|^)((%)*)(%([oOdisf]))/g;\n  if (typeof
inputArgs[0] === 'string' && inputArgs[0].match(REGEXP)) {\n    return [`%c${inputArgs[0]}`, style,

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...inputArgs.slice(1)];\n } else {\n   const firstArg = inputArgs.reduce((formatStr, elem, i) => {\n     if (i > 0) {\n       formatStr += ' ';\n     }\n     switch (typeof elem) {\n       case 'string':\n       case 'boolean':\n       case 'symbol':\n         return (formatStr += '%s');\n       case 'number':\n         const formatting = Number.isInteger(elem) ? '%i' : '%f';\n         return (formatStr += formatting);\n       default:\n         return (formatStr += '%o');\n     }\n   }, '%c');\n   return [firstArg, style, ...inputArgs];\n }\n}\n\n// based on https://github.com/tmpfs/format-util/blob/0e62d430efb0a1c51448709abd3e2406c14d8401/format.js#L1\n// based on https://developer.mozilla.org/en-US/docs/Web/API/console#Using_string_substitutions\n// Implements s, d, i and f placeholders\n// NOTE: KEEP IN SYNC with src/hook.js\n\nexport function format(\n  maybeMessage: any,\n  ...inputArgs: $ReadOnlyArray<any>): string {\n  const args = inputArgs.slice();\n\n  let formatted: string = String(maybeMessage);\n\n  // If the first argument is a string, check for substitutions.\n  if (typeof maybeMessage === 'string') {\n    if (args.length) {\n      const REGEXP = /(\\%?)(\\{jds\\})/g;\n      formatted = formatted.replace(REGEXP, (match, escaped, ptn, flag) => {\n        let arg = args.shift();\n        switch (flag) {\n          case 's':\n            arg += ";\n            break;\n          case 'd':\n            case 'i':\n              arg = parseInt(arg, 10).toString();\n            break;\n          case 'f':\n            arg = parseFloat(arg).toString();\n            break;\n        }\n        if (!escaped) {\n          return arg;\n        }\n        args.unshift(arg);\n        return match;\n      });\n    }\n  }\n\n  // Arguments that remain after formatting.\n  if (args.length) {\n    for (let i = 0; i < args.length; i++) {\n      formatted += ' ' + String(args[i]);\n    }\n  }\n\n  // Update escaped %% values.\n  formatted = formatted.replace(/%{2,2}/g, '%');\n\n  return String(formatted);\n}\n\nexport function isSynchronousXHRSupported(): boolean {\n  return !!(\n    window.document &&\n    window.document.featurePolicy &&\n    window.document.featurePolicy.allowsFeature('sync-xhr')\n  );\n}\n\nexport function gt(a: string = "", b: string = "): boolean {\n  return compareVersions(a, b) === 1;\n}\n\nexport function gte(a: string = "", b: string = "): boolean {\n  return compareVersions(a, b) > -1;\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n\nexport function localStorageGetItem(key: string): any {\n  try {\n    return localStorage.getItem(key);\n  } catch (error) {\n    return null;\n  }\n}\n\nexport function localStorageRemoveItem(key: string): void {\n  try {\n    localStorage.removeItem(key);\n  } catch (error) {\n  }\n}\n\nexport function localStorageSetItem(key: string, value: any): void {\n  try {\n    return localStorage.setItem(key, value);\n  } catch (error) {\n  }\n}\n\nexport function sessionStorageGetItem(key: string): any {\n  try {\n    return sessionStorage.getItem(key);\n  } catch (error) {\n    return null;\n  }\n}\n\nexport function sessionStorageRemoveItem(key: string): void {\n  try {\n    sessionStorage.removeItem(key);\n  } catch (error) {\n  }\n}\n\nexport function sessionStorageSetItem(key: string, value: any): void {\n  try {\n    return sessionStorage.setItem(key, value);\n  } catch (error) {\n  }\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n\nconst isArray = Array.isArray;\n\nexport default isArray;\n\n", "use strict";\n\nif (process.env.NODE_ENV === 'production') {\n  module.exports = require('./cjs/react-is.production.min.js');\n} else {\n  module.exports = require('./cjs/react-is.development.js');\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n\n@flow\n\nimport type {Fiber} from 'react-reconciler/src/ReactInternalTypes';\nimport type {\n  CurrentDispatcherRef,\n  ReactRenderer,\n  WorkTagMap,\n  ConsolePatchSettings,\n} from './types';\nimport {format, formatWithStyles} from './utils';\nimport {\n  getInternalReactConstants\n} from './renderer';\nimport {getStackByFiberInDevAndProd} from './DevToolsFiberComponentStack';\nimport {\n  consoleManagedByDevToolsDuringStrictMode\n} from 'react-devtools-feature-flags';\nimport {\n  castBool,\n  castBrowserTheme\n} from './utils';\n\nconst\n  OVERRIDE_CONSOLE_METHODS = ['error', 'trace', 'warn'];\nconst\n  DIMMED_NODE_CONSOLE_COLOR = "\\x1b[2m%s\\x1b[0m";\n\n// React's custom built component stack strings match "\\s{4}in"\n// Chrome's prefix matches "\\s{4}at"\nconst\n  PREFIX_REGEX = /^(\\s{4})(in|at)\\s{1}/;\n\n// Firefox and Safari have no prefix ("")\n// but we can fallback to looking for location info (e.g. "foo.js:12:345")\nconst\n  ROW_COLUMN_NUMBER_REGEX = /:\\d+:\\d+(\\|\\n$)/;\n\nexport function isStringComponentStack(text:

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string): boolean {\n return PREFIX_REGEX.test(text) ||
ROW_COLUMN_NUMBER_REGEX.test(text);\n}\n\nconst STYLE_DIRECTIVE_REGEX = /^%c/;\n\n// This
function tells whether or not the arguments for a console\n// method has been overridden by the patchForStrictMode
function.\n// If it has we'll need to do some special formatting of the arguments\n// so the console color stays
consistent\nfunction isStrictModeOverride(args: Array<string>, method: string): boolean {\n return (\n
args.length >= 2 &&\n STYLE_DIRECTIVE_REGEX.test(args[0]) &&\n args[1] === `color:
${getConsoleColor(method) || ""}`\n );\n}\n\nfunction getConsoleColor(method: string): ?string {\n switch
(method) {\n case 'warn':\n return consoleSettingsRef.browserTheme === 'light'\n ?
process.env.LIGHT_MODE_DIMMED_WARNING_COLOR\n :
process.env.DARK_MODE_DIMMED_WARNING_COLOR;\n case 'error':\n return
consoleSettingsRef.browserTheme === 'light'\n ? process.env.LIGHT_MODE_DIMMED_ERROR_COLOR\n
: process.env.DARK_MODE_DIMMED_ERROR_COLOR;\n case 'log':\n default:\n return
consoleSettingsRef.browserTheme === 'light'\n ? process.env.LIGHT_MODE_DIMMED_LOG_COLOR\n
: process.env.DARK_MODE_DIMMED_LOG_COLOR;\n }\n}\n\ntype OnErrorOrWarning = (\n fiber: Fiber,\n
type: 'error' | 'warn',\n args: Array<any>,\n) => void;\n\nconst injectedRenderers: Map<\n ReactRenderer,\n {\n
currentDispatcherRef: CurrentDispatcherRef,\n getCurrentFiber: () => Fiber | null,\n onErrorOrWarning:
?OnErrorOrWarning,\n workTagMap: WorkTagMap,\n },\n> = new Map();\n\nlet targetConsole: Object =
console;\nlet targetConsoleMethods: {[string]: $FlowFixMe} = {};\nfor (const method in console) {\n
targetConsoleMethods[method] = console[method];\n}\n\nlet unpatchFn: null | (() => void) = null;\nlet isNode =
false;\ntry {\n isNode = this === global;\n} catch (error) {} \n\n// Enables e.g. Jest tests to inject a mock console
object.\nexport function dangerous_setTargetConsoleForTesting(\n targetConsoleForTesting: Object,\n): void {\n
targetConsole = targetConsoleForTesting;\n\n targetConsoleMethods = ({\n [string]: $FlowFixMe});\n for (const
method in targetConsole) {\n targetConsoleMethods[method] = console[method];\n }\n}\n\n// v16 renderers
should use this method to inject internals necessary to generate a component stack.\n// These internals will be used if
the console is patched.\n// Injecting them separately allows the console to easily be patched or un-patched later (at
runtime).\nexport function registerRenderer(\n renderer: ReactRenderer,\n onErrorOrWarning?:
OnErrorOrWarning,\n): void {\n const {\n currentDispatcherRef,\n getCurrentFiber,\n
findFiberByHostInstance,\n version,\n } = renderer;\n\n // Ignore React v15 and older because they don't expose
a component stack anyway.\n if (typeof findFiberByHostInstance !== 'function') {\n return;\n }\n\n //
currentDispatcherRef gets injected for v16.8+ to support hooks inspection.\n // getCurrentFiber gets injected for
v16.9+.\n if (currentDispatcherRef !== null && typeof getCurrentFiber === 'function') {\n const
{ReactTypeOfWork} = getInternalReactConstants(version);\n\n injectedRenderers.set(renderer, {\n
currentDispatcherRef,\n getCurrentFiber,\n workTagMap: ReactTypeOfWork,\n onErrorOrWarning,\n
});\n }\n}\n\nconst consoleSettingsRef: ConsolePatchSettings = {\n appendComponentStack: false,\n
breakOnConsoleErrors: false,\n showInlineWarningsAndErrors: false,\n hideConsoleLogsInStrictMode: false,\n
browserTheme: 'dark',\n};\n\n// Patches console methods to append component stack for the current fiber.\n// Call
unpatch() to remove the injected behavior.\nexport function patch({\n appendComponentStack,\n
breakOnConsoleErrors,\n showInlineWarningsAndErrors,\n hideConsoleLogsInStrictMode,\n browserTheme,\n}:
ConsolePatchSettings): void {\n // Settings may change after we've patched the console.\n // Using a shared ref
allows the patch function to read the latest values.\n consoleSettingsRef.appendComponentStack =
appendComponentStack;\n consoleSettingsRef.breakOnConsoleErrors = breakOnConsoleErrors;\n
consoleSettingsRef.showInlineWarningsAndErrors = showInlineWarningsAndErrors;\n
consoleSettingsRef.hideConsoleLogsInStrictMode = hideConsoleLogsInStrictMode;\n
consoleSettingsRef.browserTheme = browserTheme;\n\n if (\n appendComponentStack ||\n
breakOnConsoleErrors ||\n showInlineWarningsAndErrors\n ) {\n if (unpatchFn !== null) {\n // Don't patch
twice.\n return;\n }\n\n const originalConsoleMethods: {[string]: $FlowFixMe} = {};\n unpatchFn = () =>
{\n for (const method in originalConsoleMethods) {\n try {\n targetConsole[method] =
originalConsoleMethods[method];\n } catch (error) {} }\n }\n }\n }\n }\n };\n\n

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    OVERRIDE_CONSOLE_METHODS.forEach(method => {\n    try {\n        const originalMethod =
(originalConsoleMethods[method] = targetConsole[\n        method\n
].__REACT_DEVTOOLS_ORIGINAL_METHOD__\n        ?
targetConsole[method].__REACT_DEVTOOLS_ORIGINAL_METHOD__\n        : targetConsole[method]);\n\n
    // $FlowFixMe[missing-local-annot]\n        const overrideMethod = (...args) => {\n        let
shouldAppendWarningStack = false;\n        if (method !== 'log') {\n        if
(consoleSettingsRef.appendComponentStack) {\n        const lastArg = args.length > 0 ? args[args.length - 1] :
null;\n        const alreadyHasComponentStack =\n        typeof lastArg === 'string' &&
isStringComponentStack(lastArg);\n        // If we are ever called with a string that already has a component
stack,\n        // e.g. a React error/warning, don't append a second stack.\n        shouldAppendWarningStack =
!alreadyHasComponentStack;\n        }\n        }\n        const shouldShowInlineWarningsAndErrors =\n        consoleSettingsRef.showInlineWarningsAndErrors &&\n        (method === 'error' || method === 'warn');\n\n
// Search for the first renderer that has a current Fiber.\n        // We don't handle the edge case of stacks for more
than one (e.g. interleaved renderers?)\n        // eslint-disable-next-line no-for-of-loops/no-for-of-loops\n        for
(const {\n        currentDispatcherRef,\n        getCurrentFiber,\n        onErrorOrWarning,\n        workTagMap,\n        } of injectedRenderers.values()) {\n        const current: ?Fiber = getCurrentFiber();\n
if (current !== null) {\n        try {\n        if (shouldShowInlineWarningsAndErrors) {\n        // patch() is
called by two places: (1) the hook and (2) the renderer backend.\n        // The backend is what implements a
message queue, so it's the only one that injects onErrorOrWarning.\n        if (typeof onErrorOrWarning ===
'function') {\n        onErrorOrWarning(\n        current,\n        ((method: any): 'error' |
'warn'),\n        // Copy args before we mutate them (e.g. adding the component stack)\n
args.slice(),\n        );\n        }\n        }\n        if (shouldAppendWarningStack) {\n
const componentStack = getStackByFiberInDevAndProd(\n        workTagMap,\n        current,\n
currentDispatcherRef,\n        );\n        if (componentStack !== "") {\n        if
(isStrictModeOverride(args, method)) {\n        args[0] = `${args[0]} %s`;\n
args.push(componentStack);\n        } else {\n        args.push(componentStack);\n        }\n        }\n        } catch (error) {\n        // Don't let a DevTools or React internal error interfere
with logging.\n        setTimeout(() => {\n        throw error;\n        }, 0);\n        } finally {\n
break;\n        }\n        }\n        }\n        if (consoleSettingsRef.breakOnConsoleErrors) {\n        // ---
Welcome to debugging with React DevTools ---\n        // This debugger statement means that you've enabled the
"break on warnings" feature.\n        // Use the browser's Call Stack panel to step out of this override function-\n
// to where the original warning or error was logged.\n        // eslint-disable-next-line no-debugger\n
debugger;\n        }\n        originalMethod(...args);\n        };\n\n
overrideMethod.__REACT_DEVTOOLS_ORIGINAL_METHOD__ = originalMethod;\n
originalMethod.__REACT_DEVTOOLS_OVERRIDE_METHOD__ = overrideMethod;\n\n
targetConsole[method] = overrideMethod;\n    } catch (error) {};\n    } else {\n    unpatch();\n    }\n}\n\n
// Removed component stack patch from console methods.\nexport function unpatch(): void {\n    if (unpatchFn !==
null) {\n    unpatchFn();\n    unpatchFn = null;\n    }\n}\n\n
let unpatchForStrictModeFn: null | (() => void) =
null;\n\n
// NOTE: KEEP IN SYNC with src/hook.js:patchConsoleForInitialRenderInStrictMode\nexport function
patchForStrictMode() {\n    if (consoleManagedByDevToolsDuringStrictMode) {\n    const overrideConsoleMethods
= [\n    'error',\n    'group',\n    'groupCollapsed',\n    'info',\n    'log',\n    'trace',\n    'warn',\n    ];\n\n
if (unpatchForStrictModeFn !== null) {\n    // Don't patch twice.\n    return;\n    }\n\n
const
originalConsoleMethods: {[string]: $FlowFixMe} = {};\n\n
unpatchForStrictModeFn = () => {\n    for (const
method in originalConsoleMethods) {\n    try {\n    targetConsole[method] =
originalConsoleMethods[method];\n    } catch (error) {};\n    };\n\n
overrideConsoleMethods.forEach(method => {\n    try {\n    const originalMethod =
(originalConsoleMethods[method] = targetConsole[\n    method\n
].__REACT_DEVTOOLS_ORIGINAL_METHOD__\n    ?
].__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__\n    ?

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targetConsole[method].__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__\n      :
targetConsole[method]);\n\n    // $FlowFixMe[missing-local-annot]\n    const overrideMethod = (...args) => {\n
    if (!consoleSettingsRef.hideConsoleLogsInStrictMode) {\n      // Dim the text color of the double logs if
we're not\n      // hiding them.\n      if (isNode) {\n
originalMethod(DIMMED_NODE_CONSOLE_COLOR, format(...args));\n      } else {\n      const color =
getConsoleColor(method);\n      if (color) {\n      originalMethod(...formatWithStyles(args, `color:
${color}`));\n      } else {\n      throw Error('Console color is not defined');\n      }\n      }\n
}\n  };\n\n  overrideMethod.__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__ =\noriginalMethod;\n  originalMethod.__REACT_DEVTOOLS_STRICT_MODE_OVERRIDE_METHOD__ =\n  overrideMethod;\n\n  targetConsole[method] = overrideMethod;\n  } catch (error) {} }\n  });\n  }\n}\n\n//
NOTE: KEEP IN SYNC with src/hook.js:unpatchConsoleForInitialRenderInStrictMode\n\nexport function
unpatchForStrictMode(): void {\n  if (consoleManagedByDevToolsDuringStrictMode) {\n    if
(unpatchForStrictModeFn !== null) {\n      unpatchForStrictModeFn();\n      unpatchForStrictModeFn = null;\n    }\n  }\n}\n\nexport function patchConsoleUsingWindowValues() {\n  const appendComponentStack =\n  castBool(window.__REACT_DEVTOOLS_APPEND_COMPONENT_STACK__) ?? true;\n  const
breakOnConsoleErrors =\n  castBool(window.__REACT_DEVTOOLS_BREAK_ON_CONSOLE_ERRORS__)\n  ?? false;\n  const showInlineWarningsAndErrors =\n  castBool(window.__REACT_DEVTOOLS_SHOW_INLINE_WARNINGS_AND_ERRORS__) ?? true;\n  const
hideConsoleLogsInStrictMode =\n  castBool(window.__REACT_DEVTOOLS_HIDE_CONSOLE_LOGS_IN_STRICT_MODE__) ??\n  false;\n  const browserTheme =\n  castBrowserTheme(window.__REACT_DEVTOOLS_BROWSER_THEME__) ??
'dark';\n  patch({\n    appendComponentStack,\n    breakOnConsoleErrors,\n    showInlineWarningsAndErrors,\n
hideConsoleLogsInStrictMode,\n    browserTheme,\n  });\n}\n\n// After receiving cached console patch settings
from React Native, we set them on window.\n// When the console is initially patched (in renderer.js and hook.js),
these values are read.\n// The browser extension (etc.) sets these values on window, but through another
method.\n\nexport function writeConsolePatchSettingsToWindow(\n  settings: ConsolePatchSettings,\n): void {\n
window.__REACT_DEVTOOLS_APPEND_COMPONENT_STACK__ =\n  settings.appendComponentStack;\n
window.__REACT_DEVTOOLS_BREAK_ON_CONSOLE_ERRORS__ =\n  settings.breakOnConsoleErrors;\n
window.__REACT_DEVTOOLS_SHOW_INLINE_WARNINGS_AND_ERRORS__ =\n
settings.showInlineWarningsAndErrors;\n
window.__REACT_DEVTOOLS_HIDE_CONSOLE_LOGS_IN_STRICT_MODE__ =\n
settings.hideConsoleLogsInStrictMode;\n
window.__REACT_DEVTOOLS_BROWSER_THEME__ =
settings.browserTheme;\n}\n\nexport function installConsoleFunctionsToWindow(): void {\n
window.__REACT_DEVTOOLS_CONSOLE_FUNCTIONS__ = {\n  patchConsoleUsingWindowValues,\n
registerRendererWithConsole: registerRenderer,\n  };\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and
affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n * @flow\n */\ndeclare function isArray(a: mixed): boolean
%checks(Array.isArray(a));\n\nconst isArrayImpl = Array.isArray;\n\n// eslint-disable-next-line no-
redeclare\nfunction isArray(a: mixed): boolean {\n  return isArrayImpl(a);\n}\n\nexport default isArray;\n"/**\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */\nimport {\n  getDataTypes,\n
getDisplayNamesForReactElement,\n  getAllEnumerableKeys,\n  getInObject,\n  formatDataForPreview,\n
setInObject,\n} from './utils';\n\nimport type {DehydratedData} from
'./devtools/views/Components/types';\n\nexport const meta = {\n  inspectable: (Symbol('inspectable'): symbol),\n
inspected: (Symbol('inspected'): symbol),\n  name: (Symbol('name'): symbol),\n  preview_long:
(Symbol('preview_long'): symbol),\n  preview_short: (Symbol('preview_short'): symbol),\n  readonly:
(Symbol('readonly'): symbol),\n  size: (Symbol('size'): symbol),\n  type: (Symbol('type'): symbol),\n
unserializable: (Symbol('unserializable'): symbol),\n};\n\nexport type Dehydrated = {\n  inspectable: boolean,\n
name: string |

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null,\n preview_long: string | null,\n preview_short: string | null,\n readonly?: boolean,\n size?: number,\n type:
string,\n};\n\n// Typed arrays and other complex iterable objects (e.g. Map, Set, ImmutableJS) need special
handling.\n// These objects can't be serialized without losing type information,\n// so a \"Unserializable\" type
wrapper is used (with meta-data keys) to send nested values-\n// while preserving the original type and
name.\nexport type Unserializable = {\n name: string | null,\n preview_long: string | null,\n preview_short: string |
null,\n readonly?: boolean,\n size?: number,\n type: string,\n unserializable: boolean,\n [string | number]:
any,\n};\n\n// This threshold determines the depth at which the bridge \"dehydrates\" nested data.\n// Dehydration
means that we don't serialize the data for e.g. postMessage or stringify,\n// unless the frontend explicitly requests it
(e.g. a user clicks to expand a props object).\n\n// Reducing this threshold will improve the speed of initial
component inspection,\n// but may decrease the responsiveness of expanding objects/arrays to inspect
further.\nconst LEVEL_THRESHOLD = 2;\n\n/**\n * Generate the dehydrated metadata for complex object
instances\n * \nfunction createDehydrated(\n type: string,\n inspectable: boolean,\n data: Object,\n cleaned:
Array<Array<string | number>>,\n path: Array<string | number>,\n): Dehydrated {\n cleaned.push(path);\n\n
const dehydrated: Dehydrated = {\n inspectable,\n type,\n preview_long: formatDataForPreview(data, true),\n
preview_short: formatDataForPreview(data, false),\n name:\n !data.constructor || data.constructor.name ===
'Object'\n ? \"\n : data.constructor.name,\n };\n\n if (type === 'array' || type === 'typed_array') {\n
dehydrated.size = data.length;\n } else if (type === 'object') {\n dehydrated.size = Object.keys(data).length;\n
}\n\n if (type === 'iterator' || type === 'typed_array') {\n dehydrated.readonly = true;\n }\n\n return
dehydrated;\n}\n\n/**\n * Strip out complex data (instances, functions, and data nested > LEVEL_THRESHOLD
levels deep).\n * The paths of the stripped out objects are appended to the `cleaned` list.\n * On the other side of the
barrier, the cleaned list is used to \"re-hydrate\" the cleaned representation into\n * an object with symbols as
attributes, so that a sanitized object can be distinguished from a normal object.\n * \n * Input: {\"some\": {\"attr\":
fn()}, \"other\": AnInstance}\n * Output: {\n * \"some\": {\n * \"attr\": {\n * \"name\": the fn.name, type:
\"function\"}\n * },\n * \"other\": {\n * \"name\": \"AnInstance\", \n * \"type\": \"object\", \n * },\n * }\n *
and cleaned = [\"some\", \"attr\"], [\"other\"]\n * \nexport function dehydrate(\n data: Object,\n cleaned:
Array<Array<string | number>>,\n unserializable: Array<Array<string | number>>,\n path: Array<string |
number>,\n isPathAllowed: (path: Array<string | number>) => boolean,\n level?: number = 0,\n):
$PropertyType<DehydratedData, 'data'> {\n const type = getDataType(data);\n let isPathAllowedCheck;\n\n
switch (type) {\n case 'html_element':\n cleaned.push(path);\n return {\n inspectable: false,\n
preview_short: formatDataForPreview(data, false),\n preview_long: formatDataForPreview(data, true),\n
name: data.tagName,\n type,\n };\n\n case 'function':\n cleaned.push(path);\n return {\n
inspectable: false,\n preview_short: formatDataForPreview(data, false),\n preview_long:
formatDataForPreview(data, true),\n name:\n typeof data.name === 'function' || !data.name\n ?
'function'\n : data.name,\n type,\n };\n\n case 'string':\n isPathAllowedCheck =
isPathAllowed(path);\n if (isPathAllowedCheck) {\n return data;\n } else {\n return data.length <=
500 ? data : data.slice(0, 500) + '...';\n }\n\n case 'bigint':\n cleaned.push(path);\n return {\n
inspectable: false,\n preview_short: formatDataForPreview(data, false),\n preview_long:
formatDataForPreview(data, true),\n name: data.toString(),\n type,\n };\n\n case 'symbol':\n
cleaned.push(path);\n return {\n inspectable: false,\n preview_short: formatDataForPreview(data,
false),\n preview_long: formatDataForPreview(data, true),\n name: data.toString(),\n type,\n };\n\n
// React Elements aren't very inspector-friendly,\n // and often contain private fields or circular references.\n case
'react_element':\n cleaned.push(path);\n return {\n inspectable: false,\n preview_short:
formatDataForPreview(data, false),\n preview_long: formatDataForPreview(data, true),\n name:
getDisplayNamesForReactElement(data) || 'Unknown',\n type,\n };\n\n // ArrayBuffers error if you try to
inspect them.\n case 'array_buffer':\n case 'data_view':\n cleaned.push(path);\n return {\n inspectable:
false,\n preview_short: formatDataForPreview(data, false),\n preview_long: formatDataForPreview(data,
true),\n name: type === 'data_view' ? 'DataView' : 'ArrayBuffer',\n size: data.byteLength,\n type,\n
};\n\n case 'array':\n isPathAllowedCheck = isPathAllowed(path);\n if (level >= LEVEL_THRESHOLD &&

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!isPathAllowedCheck) {\n    return createDehydrated(type, true, data, cleaned, path);\n  }\n  return
data.map((item, i) =>{\n    dehydrate(\n      item,\n      cleaned,\n      unserializable,\n
path.concat([i]),\n      isPathAllowed,\n      isPathAllowedCheck ? 1 : level + 1,\n      ),\n    );\n\n  case
'html_all_collection':\n  case 'typed_array':\n  case 'iterator':\n    isPathAllowedCheck = isPathAllowed(path);\n
if (level >= LEVEL_THRESHOLD && !isPathAllowedCheck) {\n    return createDehydrated(type, true, data,
cleaned, path);\n  } else {\n    const unserializableValue: Unserializable = {\n      unserializable: true,\n
type: type,\n      readonly: true,\n      size: type === 'typed_array' ? data.length : undefined,\n
preview_short: formatDataForPreview(data, false),\n      preview_long: formatDataForPreview(data, true),\n
name:\n      !data.constructor || data.constructor.name === 'Object'\n      ? "\n      :
data.constructor.name,\n      };\n\n    // TRICKY\n    // Don't use [...spread] syntax for this purpose.\n    //
This project uses @babel/plugin-transform-spread in \"loose\" mode which only works with Array values.\n    //
Other types (e.g. typed arrays, Sets) will not spread correctly.\n    Array.from(data).forEach(\n      (item, i) =>{\n
      (unserializableValue[i] = dehydrate(\n        item,\n        cleaned,\n        unserializable,\n
path.concat([i]),\n        isPathAllowed,\n        isPathAllowedCheck ? 1 : level + 1,\n        )),\n      );\n\n
unserializable.push(path);\n\n    return unserializableValue;\n  }\n\n  case 'opaque_iterator':\n
cleaned.push(path);\n  return {\n    inspectable: false,\n    preview_short: formatDataForPreview(data,
false),\n    preview_long: formatDataForPreview(data, true),\n    name: data[Symbol.toStringTag],\n
type,\n  };\n\n  case 'date':\n    cleaned.push(path);\n    return {\n    inspectable: false,\n    preview_short:
formatDataForPreview(data, false),\n    preview_long: formatDataForPreview(data, true),\n    name:
data.toString(),\n    type,\n  };\n\n  case 'regexp':\n    cleaned.push(path);\n    return {\n    inspectable:
false,\n    preview_short: formatDataForPreview(data, false),\n    preview_long: formatDataForPreview(data,
true),\n    name: data.toString(),\n    type,\n  };\n\n  case 'object':\n    isPathAllowedCheck =
isPathAllowed(path);\n\n    if (level >= LEVEL_THRESHOLD && !isPathAllowedCheck) {\n    return
createDehydrated(type, true, data, cleaned, path);\n  } else {\n    const object: {\n      [string]:
$PropertyType<DehydratedData, 'data'>,\n      } = {};\n    getAllEnumerableKeys(data).forEach(key => {\n
const name = key.toString();\n    object[name] = dehydrate(\n      data[key],\n      cleaned,\n
unserializable,\n      path.concat([name]),\n      isPathAllowed,\n      isPathAllowedCheck ? 1 : level +
1,\n      );\n    });\n    return object;\n  }\n\n  case 'class_instance':\n    isPathAllowedCheck =
isPathAllowed(path);\n\n    if (level >= LEVEL_THRESHOLD && !isPathAllowedCheck) {\n    return
createDehydrated(type, true, data, cleaned, path);\n  }\n\n    const value: Unserializable = {\n    unserializable:
true,\n    type,\n    readonly: true,\n    preview_short: formatDataForPreview(data, false),\n
preview_long: formatDataForPreview(data, true),\n    name: data.constructor.name,\n  };\n\n    getAllEnumerableKeys(data).forEach(key => {\n
const keyAsString = key.toString();\n    value[keyAsString] = dehydrate(\n      data[key],\n      cleaned,\n
unserializable,\n      path.concat([keyAsString]),\n      isPathAllowed,\n      isPathAllowedCheck ? 1 : level + 1,\n
); \n    });\n\n    unserializable.push(path);\n\n    return value;\n\n  case 'infinity':\n  case 'nan':\n  case 'undefined':\n    //
Some values are lossy when sent through a WebSocket.\n    // We dehydrate+rehydrate them to preserve their
type.\n    cleaned.push(path);\n    return {type};\n\n  default:\n    return data;\n  }\n}\n\nexport function
fillInPath(\n  object: Object,\n  data: DehydratedData,\n  path: Array<string | number>,\n  value: any,\n) {\n  const
target = getInObject(object, path);\n  if (target !== null) {\n    if (!target[meta.unserializable]) {\n    delete
target[meta.inspectable];\n    delete target[meta.inspected];\n    delete target[meta.name];\n    delete
target[meta.preview_long];\n    delete target[meta.preview_short];\n    delete target[meta.readonly];\n    delete
target[meta.size];\n    delete target[meta.type];\n    }\n  }\n\n  if (value !== null && data.unserializable.length > 0)
{\n    const unserializablePath = data.unserializable[0];\n    let isMatch = unserializablePath.length ===
path.length;\n    for (let i = 0; i < path.length; i++) {\n    if (path[i] !== unserializablePath[i]) {\n    isMatch =
false;\n    break;\n    }\n  }\n  if (isMatch) {\n    upgradeUnserializable(value, value);\n  }\n}\n\n
setInObject(object, path, value);\n}\n\nexport function hydrate(\n  object: any,\n  cleaned: Array<Array<string |
number>>,\n  unserializable: Array<Array<string | number>>,\n) : Object {\n  cleaned.forEach((path: Array<string |

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number>) => {\n  const length = path.length;\n  const last = path[length - 1];\n  const parent =
getInObject(object, path.slice(0, length - 1));\n  if (!parent || !parent.hasOwnProperty(last)) {\n    return;\n  }\n  const value = parent[last];\n  if (!value) {\n    return;\n  } else if (value.type === 'infinity') {\n    parent[last] =
Infinity;\n  } else if (value.type === 'nan') {\n    parent[last] = NaN;\n  } else if (value.type === 'undefined') {\n
  parent[last] = undefined;\n  } else {\n    // Replace the string keys with Symbols so they're non-enumerable.\n
const replaced: {[key: symbol]: boolean | string, ...} = {};\n    replaced[meta.inspectable] = !!value.inspectable;\n
replaced[meta.inspected] = false;\n    replaced[meta.name] = value.name;\n    replaced[meta.preview_long] =
value.preview_long;\n    replaced[meta.preview_short] = value.preview_short;\n    replaced[meta.size] =
value.size;\n    replaced[meta.readonly] = !!value.readonly;\n    replaced[meta.type] = value.type;\n\n
parent[last] = replaced;\n  }\n});\n  unserializable.forEach((path: Array<string | number>) => {\n    const length =
path.length;\n    const last = path[length - 1];\n    const parent = getInObject(object, path.slice(0, length - 1));\n
    if (!parent || !parent.hasOwnProperty(last)) {\n      return;\n    }\n\n    const node = parent[last];\n\n    const replacement
= {\n      ...node,\n    };\n\n    upgradeUnserializable(replacement, node);\n    parent[last] = replacement;\n  });\n
return object;\n}\n\nfunction upgradeUnserializable(destination: Object, source: Object) {\n
Object.defineProperties(destination, {\n  // $FlowFixMe[invalid-computed-prop]\n  [meta.inspectable]: {\n
configurable: true,\n    enumerable: false,\n    value: !!source.inspectable,\n  },\n  // $FlowFixMe[invalid-
computed-prop]\n  [meta.name]: {\n    configurable: true,\n    enumerable: false,\n    value: source.name,\n
  },\n  // $FlowFixMe[invalid-computed-prop]\n  [meta.preview_long]: {\n    configurable: true,\n    enumerable:
false,\n    value: source.preview_long,\n  },\n  // $FlowFixMe[invalid-computed-prop]\n  [meta.preview_short]:
{\n    configurable: true,\n    enumerable: false,\n    value: source.preview_short,\n  },\n  //
$FlowFixMe[invalid-computed-prop]\n  [meta.size]: {\n    configurable: true,\n    enumerable: false,\n    value:
source.size,\n  },\n  // $FlowFixMe[invalid-computed-prop]\n  [meta.readonly]: {\n    configurable: true,\n
enumerable: false,\n    value: !!source.readonly,\n  },\n  // $FlowFixMe[invalid-computed-prop]\n  [meta.type]:
{\n    configurable: true,\n    enumerable: false,\n    value: source.type,\n  },\n  // $FlowFixMe[invalid-
computed-prop]\n  [meta.unserializable]: {\n    configurable: true,\n    enumerable: false,\n    value:
!!source.unserializable,\n  },\n});\n  delete destination.inspectable;\n  delete destination.name;\n  delete
destination.preview_long;\n  delete destination.preview_short;\n  delete destination.size;\n  delete
destination.readonly;\n  delete destination.type;\n  delete destination.unserializable;\n}\n\n"/**\n * Copyright (c)
Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n * @flow\n
*\n\n/*****\n * This file is
forked between different DevTools implementations.\n * It should never be imported directly!\n * It should always
be imported from \"react-devtools-feature-flags\".\n
*\n\nexport const
consoleManagedByDevToolsDuringStrictMode = false;\nexport const enableLogger = false;\nexport const
enableStyleXFeatures = false;\nexport const isInternalFacebookBuild =
false;\n\n/*****\n * Do not edit
the code below.\n * It ensures this fork exports the same types as the default flags file.\n
*\n\nimport typeof * as
FeatureFlagsType from './DevToolsFeatureFlags.default';\nimport typeof * as ExportsType from
 './DevToolsFeatureFlags.core-oss';\n\n// Flow magic to verify the exports of this file match the original
version.\n\n(((null: any): ExportsType): FeatureFlagsType): ExportsType);\n\n"/**\n * lodash (Custom Build)
<https://lodash.com/>\n * Build: `lodash modularize exports=\"npm\" -o ./`\n * Copyright jQuery Foundation and
other contributors <https://jquery.org/>\n * Released under MIT license <https://lodash.com/license>\n * Based on
Underscore.js 1.8.3 <http://underscorejs.org/LICENSE>\n * Copyright Jeremy Ashkenas, DocumentCloud and
Investigative Reporters & Editors\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n * @flow\n
*\n\n/*****\n * Used as the `TypeError` message for `Functions` methods. *\nvar
FUNC_ERROR_TEXT = 'Expected a function';\n\n/*****\n * Used as references for various `Number` constants. *\nvar
NAN = 0 / 0;\n\n/*****\n * `Object#toString` result references. *\nvar symbolTag = '[object Symbol]';\n\n/*****\n * Used to

```



```

lastCallTime,\n      timeSinceLastInvoke = time - lastInvokeTime,\n      result = wait - timeSinceLastCall;\n\nreturn maxing ? nativeMin(result, maxWait - timeSinceLastInvoke) : result;\n }\n\n function shouldInvoke(time)\n {\n   var timeSinceLastCall = time - lastCallTime,\n       timeSinceLastInvoke = time - lastInvokeTime;\n\n   // Either this is the first call, activity has stopped and we're at the\n   // trailing edge, the system time has gone backwards and we're treating\n   // it as the trailing edge, or we've hit the `maxWait` limit.\n   return (lastCallTime === undefined || (timeSinceLastCall >= wait) ||\n         (timeSinceLastCall < 0) || (maxing && timeSinceLastInvoke >= maxWait));\n }\n\n function timerExpired() {\n   var time = now();\n   if (shouldInvoke(time)) {\n     return trailingEdge(time);\n   }\n\n   // Restart the timer.\n   timerId = setTimeout(timerExpired, remainingWait(time));\n }\n\n function trailingEdge(time) {\n   timerId = undefined;\n\n   // Only invoke if we have `lastArgs` which means `func` has been\n   // debounced at least once.\n   if (trailing && lastArgs) {\n     return invokeFunc(time);\n   }\n   lastArgs = lastThis = undefined;\n   return result;\n }\n\n function cancel() {\n   if (timerId !== undefined) {\n     clearTimeout(timerId);\n   }\n   lastInvokeTime = 0;\n   lastArgs = lastCallTime = lastThis = timerId = undefined;\n }\n\n function flush() {\n   return timerId === undefined ? result : trailingEdge(now());\n }\n\n function debounced() {\n   var time = now(),\n       isInvoking = shouldInvoke(time);\n\n   lastArgs = arguments;\n   lastThis = this;\n   lastCallTime = time;\n\n   if (isInvoking) {\n     if (timerId === undefined) {\n       return leadingEdge(lastCallTime);\n     }\n     if (maxing) {\n       // Handle invocations in a tight loop.\n       timerId = setTimeout(timerExpired, wait);\n       return invokeFunc(lastCallTime);\n     }\n     if (timerId === undefined) {\n       timerId = setTimeout(timerExpired, wait);\n     }\n     return result;\n   }\n   debounced.cancel = cancel;\n   debounced.flush = flush;\n   return debounced;\n }\n\n /**\n  * Creates a throttled function that only invokes `func` at most once per\n  * every `wait` milliseconds. The throttled function comes with a `cancel`\n  * method to cancel delayed `func` invocations and a `flush` method to\n  * immediately invoke them. Provide `options` to indicate whether `func`\n  * should be invoked on the leading and/or trailing edge of the `wait`\n  * timeout. The `func` is invoked with the last arguments provided to the\n  * throttled function. Subsequent calls to the throttled function return the\n  * result of the last `func` invocation.\n  *\n  * **Note:** If `leading` and `trailing` options are `true`, `func` is\n  * invoked on the trailing edge of the timeout only if the throttled function\n  * is invoked more than once during the `wait` timeout.\n  *\n  * If `wait` is `0` and `leading` is `false`, `func` invocation is deferred\n  * until the next tick, similar to `setTimeout` with a timeout of `0`.\n  *\n  * See [David Corbacho's article](https://css-tricks.com/debouncing-throttling-explained-examples/)\n  * for details over the differences between `_.throttle` and `_.debounce`.\n  *\n  * @static\n  * @memberOf _\n  * @since 0.1.0\n  * @category Function\n  * @param {Function} func The function to throttle.\n  * @param {number} [wait=0] The number of milliseconds to throttle invocations to.\n  * @param {Object} [options={}] The options object.\n  * @param {boolean} [options.leading=true] Specify invoking on the leading edge of the timeout.\n  * @param {boolean} [options.trailing=true] Specify invoking on the trailing edge of the timeout.\n  * @returns {Function} Returns the new throttled function.\n  *\n  * @example\n  * // Avoid excessively updating the position while scrolling.\n  * jQuery(window).on('scroll',\n  *   _.throttle(updatePosition, 100));\n  *\n  * // Invoke `renewToken` when the click event is fired, but not more than once every 5 minutes.\n  * var throttled = _.throttle(renewToken, 300000, { 'trailing': false });\n  * jQuery(element).on('click', throttled);\n  *\n  * // Cancel the trailing throttled invocation.\n  * jQuery(window).on('popstate', throttled.cancel);\n  *\n  * function throttle(func, wait, options) {\n  *   var leading = true,\n  *       trailing = true;\n  *\n  *   if (typeof func != 'function') {\n  *     throw new TypeError(FUNC_ERROR_TEXT);\n  *   }\n  *   if (isObject(options)) {\n  *     leading = 'leading' in options ? !!options.leading : leading;\n  *     trailing = 'trailing' in options ? !!options.trailing : trailing;\n  *   }\n  *\n  *   return debounce(func, wait, {\n  *     'leading': leading,\n  *     'maxWait': wait,\n  *     'trailing': trailing\n  *   });\n  * }\n  *\n  * Checks if `value` is the\n  * [language type](http://www.ecma-international.org/ecma-262/7.0/#sec-ecmascript-language-types)\n  * of `Object`. (e.g. arrays, functions, objects, regexes, `new Number(0)`, and `new String("")`)\n  *\n  * @static\n  * @memberOf _\n  * @since 0.1.0\n  * @category Lang\n  * @param {*} value The value to check.\n  * @returns {boolean} Returns `true` if `value` is an object, else `false`.\n  *\n  * @example\n  * _.isObject({});\n  * // => true\n  *\n  * _.isObject([1, 2, 3]);\n  * // => true\n  *\n  * _.isObject(_.noop);\n  * // => true\n  *\n  * _.isObject(null);\n  * // => false\n  *\n  * function isObject(value) {\n  *   var type = typeof value;\n  *   return !!value && (type == 'object' || type == 'function');\n  * }\n  *\n  * Checks if `value` is object-

```

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like. A value is object-like if it's not `null` and has a `typeof` result of `object`.
@memberof _
@since 4.0.0
@category Lang
@param {*} value The value to check.
@returns {boolean} Returns `true` if `value` is object-like, else `false`.
@example
* _isObjectLike({}); // => true
* _isObjectLike([1, 2, 3]); // => true
* _isObjectLike(_noop); // => false
* _isObjectLike(null); // => false
*/
function isObjectLike(value) {
  return !!value && typeof value === 'object';
}

Checks if `value` is classified as a `Symbol` primitive or object.
@memberof _
@since 4.0.0
@category Lang
@param {*} value The value to check.
@returns {boolean} Returns `true` if `value` is a symbol, else `false`.
@example
* _isSymbol(Symbol.iterator); // => true
* _isSymbol('abc'); // => false
*/
function isSymbol(value) {
  return typeof value === 'symbol' ||
    (isObjectLike(value) && objectToString.call(value) === symbolTag);
}

Converts `value` to a number.
@static
@memberof _
@since 4.0.0
@category Lang
@param {*} value The value to process.
@returns {number} Returns the number.
@example
* _toNumber(3.2); // => 3.2
* _toNumber(Number.MIN_VALUE); // => 5e-324
* _toNumber(Infinity); // => Infinity
* _toNumber('3.2'); // => 3.2
*/
function toNumber(value) {
  if (typeof value === 'number') {
    return value;
  }
  if (isSymbol(value)) {
    return NaN;
  }
  if (isObject(value)) {
    var other = typeof value.valueOf === 'function' ? value.valueOf() : value;
    value = isObject(other) ? (other + '') : other;
  }
  if (typeof value !== 'string') {
    return value === 0 ? value : +value;
  }
  value = value.replace(reTrim, '');
  var isBinary = reIsBinary.test(value);
  return (isBinary || reIsOctal.test(value)) ? freeParseInt(value.slice(2), isBinary ? 2 : 8) : (reIsBadHex.test(value) ? NAN : +value);
}

module.exports = throttle;
/**
  Copyright (c) Meta Platforms, Inc. and affiliates.
  This source code is licensed under the MIT license found in the
  LICENSE file in the root directory of this source tree.
  @flow
  */
inlined Object.is polyfill to avoid requiring consumers ship their own
https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Object/is
function is(x: any, y: any) {
  return (x === y && (x !== 0 || 1 / x === 1 / y)) || (x !== x && y !== y) // eslint-disable-line no-self-compare
}

const objectIs: (x: any, y: any) => boolean =
  // $FlowFixMe[method-unbinding]
  typeof Object.is === 'function' ? Object.is : is;

export default objectIs;
/**
  Copyright (c) Meta Platforms, Inc. and affiliates.
  This source code is licensed under the MIT license found in the
  LICENSE file in the root directory of this source tree.
  @flow
  */
const hasOwnProperty = Object.prototype.hasOwnProperty;

export default hasOwnProperty;
/**
  Copyright (c) Meta Platforms, Inc. and affiliates.
  This source code is licensed under the MIT license found in the
  LICENSE file in the root directory of this source tree.
  @flow
  */
import type {StyleXPlugin} from 'react-devtools-shared/src/types';
import isArray from 'react-devtools-shared/src/isArray';
const cachedStyleNameToValueMap: Map<string, string> = new Map();

export function getStyleXData(data: any): StyleXPlugin {
  const sources = new Set<string>();
  const resolvedStyles = {};

  crawlData(data, sources, resolvedStyles);

  return {
    sources: Array.from(sources).sort(),
    resolvedStyles,
  };
}

export function crawlData(
  data: any,
  sources: Set<string>,
  resolvedStyles: Object,
): void {
  if (data == null) {
    return;
  }
  if (isArray(data)) {
    data.forEach(entry => {
      if (entry == null) {
        return;
      }
      if (isArray(entry)) {
        crawlData(entry, sources, resolvedStyles);
      } else {
        crawlObjectProperties(entry, sources, resolvedStyles);
      }
    });
  } else {
    crawlObjectProperties(data, sources, resolvedStyles);
  }
  resolvedStyles = Object.fromEntries<string, any>(
    Object.entries(resolvedStyles).sort(),
  );
}

function crawlObjectProperties(
  entry: Object,
  sources: Set<string>,
  resolvedStyles: Object,
): void {
  const keys = Object.keys(entry);
  keys.forEach(key => {
    const value = entry[key];
    if (typeof value === 'string') {
      if (key === value) {
        // Special case; this key is the name of the style's source/file/module.
        sources.add(key);
      } else {
        const propertyValue = getPropertyValueForStyleName(value);
        if (propertyValue != null) {
          resolvedStyles[key] = propertyValue;
        }
      }
    } else {
      const nestedStyle = {};
      resolvedStyles[key] = nestedStyle;
      crawlData([value], sources, nestedStyle);
    }
  });
}

function getPropertyValueForStyleName(styleName: string): string | null {
  if (cachedStyleNameToValueMap.has(styleName)) {
    return ((cachedStyleNameToValueMap.get(styleName):

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any): string);\n }\n\n for (\n let styleSheetIndex = 0;\n styleSheetIndex < document.styleSheets.length;\n styleSheetIndex++\n ) {\n const styleSheet = ((document.styleSheets[\n styleSheetIndex\n ]: any): CSSStyleSheet);\n let rules: CSSRuleList | null = null;\n // this might throw if CORS rules are enforced\n https://www.w3.org/TR/cssom-1/#the-cssstylesheet-interface\n try {\n rules = styleSheet.cssRules;\n } catch (_e) {\n continue;\n }\n\n for (let ruleIndex = 0; ruleIndex < rules.length; ruleIndex++) {\n if (!(rules[ruleIndex] instanceof CSSStyleRule)) {\n continue;\n }\n const rule = ((rules[ruleIndex]: any): CSSStyleRule);\n const { cssText, selectorText, style } = rule;\n\n if (selectorText != null) {\n if (selectorText.startsWith(`.${styleName}`)) {\n const match = cssText.match(/ *([a-z\\-]+):/);\n\n if (match != null) {\n const property = match[1];\n const value = style.getPropertyValue(property);\n\n cachedStyleNameToValueMap.set(styleName, value);\n\n return value;\n } else {\n return null;\n }\n }\n }\n }\n\n return null;\n }\n\n", "export const CHANGE_LOG_URL =\n 'https://github.com/facebook/react/blob/main/packages/react-devtools/CHANGELOG.md';\n\nexport const UNSUPPORTED_VERSION_URL =\n 'https://reactjs.org/blog/2019/08/15/new-react-devtools.html#how-do-i-get-the-old-version-back';\n\nexport const REACT_DEVTOOLS_WORKPLACE_URL =\n 'https://fburl.com/react-devtools-workplace-group';\n\nimport type {\n Theme,\n DisplayDensity,\n } from './devtools/views/Settings/SettingsContext';\n\nexport const THEME_STYLES: {[style: Theme | DisplayDensity]: any, ...} = {\n light: {\n '--color-attribute-name': '#ef6632',\n '--color-attribute-name-not-editable': '#23272f',\n '--color-attribute-name-inverted': 'rgba(255, 255, 255, 0.7)',\n '--color-attribute-value': '#1a1aa6',\n '--color-attribute-value-inverted': '#ffffff',\n '--color-attribute-editable-value': '#1a1aa6',\n '--color-background': '#ffffff',\n '--color-background-hover': 'rgba(0, 136, 250, 0.1)',\n '--color-background-inactive': '#e5e5e5',\n '--color-background-invalid': '#fff0f0',\n '--color-background-selected': '#0088fa',\n '--color-button-background': '#ffffff',\n '--color-button-background-focus': '#ededed',\n '--color-button': '#5f6673',\n '--color-button-disabled': '#cfd1d5',\n '--color-button-active': '#0088fa',\n '--color-button-focus': '#23272f',\n '--color-button-hover': '#23272f',\n '--color-border': '#eeeeee',\n '--color-commit-did-not-render-fill': '#cfd1d5',\n '--color-commit-did-not-render-fill-text': '#000000',\n '--color-commit-did-not-render-pattern': '#cfd1d5',\n '--color-commit-did-not-render-pattern-text': '#333333',\n '--color-commit-gradient-0': '#37afa9',\n '--color-commit-gradient-1': '#63b19e',\n '--color-commit-gradient-2': '#80b393',\n '--color-commit-gradient-3': '#97b488',\n '--color-commit-gradient-4': '#abb67d',\n '--color-commit-gradient-5': '#beb771',\n '--color-commit-gradient-6': '#cfb965',\n '--color-commit-gradient-7': '#dfba57',\n '--color-commit-gradient-8': '#efbb49',\n '--color-commit-gradient-9': '#febc38',\n '--color-commit-gradient-text': '#000000',\n '--color-component-name': '#6a51b2',\n '--color-component-name-inverted': '#ffffff',\n '--color-component-badge-background': 'rgba(0, 0, 0, 0.1)',\n '--color-component-badge-background-inverted': 'rgba(255, 255, 255, 0.25)',\n '--color-component-badge-count': '#777d88',\n '--color-component-badge-count-inverted': 'rgba(255, 255, 255, 0.7)',\n '--color-console-error-badge-text': '#ffffff',\n '--color-console-error-background': '#fff0f0',\n '--color-console-error-border': '#ffd6d6',\n '--color-console-error-icon': '#eb3941',\n '--color-console-error-text': '#fe2e31',\n '--color-console-warning-badge-text': '#000000',\n '--color-console-warning-background': '#fffbe5',\n '--color-console-warning-border': '#fff5c1',\n '--color-console-warning-icon': '#f4bd00',\n '--color-console-warning-text': '#64460c',\n '--color-context-background': 'rgba(0,0,0,9)',\n '--color-context-background-hover': 'rgba(255, 255, 255, 0.1)',\n '--color-context-background-selected': '#178fb9',\n '--color-context-border': '#3d424a',\n '--color-context-text': '#ffffff',\n '--color-context-text-selected': '#ffffff',\n '--color-dim': '#777d88',\n '--color-dimmer': '#cfd1d5',\n '--color-dimmest': '#eff0f1',\n '--color-error-background': 'hsl(0, 100%, 97%)',\n '--color-error-border': 'hsl(0, 100%, 92%)',\n '--color-error-text': '#ff0000',\n '--color-expand-collapse-toggle': '#777d88',\n '--color-link': '#0000ff',\n '--color-modal-background': 'rgba(255, 255, 255, 0.75)',\n '--color-bridge-version-npm-background': '#eff0f1',\n '--color-bridge-version-npm-text': '#000000',\n '--color-bridge-version-number': '#0088fa',\n '--color-primitive-hook-badge-background': '#e5e5e5',\n '--color-primitive-hook-badge-text': '#5f6673',\n '--color-record-active': '#fc3a4b',\n '--color-record-hover': '#3578e5',\n '--color-record-inactive': '#0088fa',\n '--color-resize-bar': '#eeeeee',\n '--color-resize-bar-active': '#dcdcdc',\n '--color-resize-bar-border': '#d1d1d1',\n '--color-resize-bar-dot': '#333333',\n '--color-timeline-internal-module': '#d1d1d1',\n '--color-timeline-internal-module-

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hover: '#c9c9c9',\n '--color-timeline-internal-module-text': '#444',\n '--color-timeline-native-event': '#ccc',\n '--color-timeline-native-event-hover': '#aaa',\n '--color-timeline-network-primary': '#fcf3dc',\n '--color-timeline-network-primary-hover': '#f0e7d1',\n '--color-timeline-network-secondary': '#efc457',\n '--color-timeline-network-secondary-hover': '#e3ba52',\n '--color-timeline-priority-background': '#f6f6f6',\n '--color-timeline-priority-border': '#eeeeee',\n '--color-timeline-user-timing': '#c9cacd',\n '--color-timeline-user-timing-hover': '#93959a',\n '--color-timeline-react-idle': '#d3e5f6',\n '--color-timeline-react-idle-hover': '#c3d9ef',\n '--color-timeline-react-render': '#9fc3f3',\n '--color-timeline-react-render-hover': '#83afe9',\n '--color-timeline-react-render-text': '#11365e',\n '--color-timeline-react-commit': '#c88ff0',\n '--color-timeline-react-commit-hover': '#b281d6',\n '--color-timeline-react-commit-text': '#3e2c4a',\n '--color-timeline-react-layout-effects': '#b281d6',\n '--color-timeline-react-layout-effects-hover': '#9d71bd',\n '--color-timeline-react-layout-effects-text': '#3e2c4a',\n '--color-timeline-react-passive-effects': '#b281d6',\n '--color-timeline-react-passive-effects-hover': '#9d71bd',\n '--color-timeline-react-passive-effects-text': '#3e2c4a',\n '--color-timeline-react-schedule': '#9fc3f3',\n '--color-timeline-react-schedule-hover': '#2683E2',\n '--color-timeline-react-suspense-rejected': '#f1cc14',\n '--color-timeline-react-suspense-rejected-hover': '#ffdf37',\n '--color-timeline-react-suspense-resolved': '#a6e59f',\n '--color-timeline-react-suspense-resolved-hover': '#89d281',\n '--color-timeline-react-suspense-unresolved': '#c9cacd',\n '--color-timeline-react-suspense-unresolved-hover': '#93959a',\n '--color-timeline-thrown-error': '#ee1638',\n '--color-timeline-thrown-error-hover': '#da1030',\n '--color-timeline-text-color': '#000000',\n '--color-timeline-text-dim-color': '#ccc',\n '--color-timeline-react-work-border': '#eeeeee',\n '--color-search-match': 'yellow',\n '--color-search-match-current': '#f7923b',\n '--color-selected-tree-highlight-active': 'rgba(0, 136, 250, 0.1)',\n '--color-selected-tree-highlight-inactive': 'rgba(0, 0, 0, 0.05)',\n '--color-scroll-caret': 'rgba(150, 150, 150, 0.5)',\n '--color-tab-selected-border': '#0088fa',\n '--color-text': '#000000',\n '--color-text-invalid': '#ff0000',\n '--color-text-selected': '#ffffff',\n '--color-toggle-background-invalid': '#fc3a4b',\n '--color-toggle-background-on': '#0088fa',\n '--color-toggle-background-off': '#cfd1d5',\n '--color-toggle-text': '#ffffff',\n '--color-warning-background': '#fb3655',\n '--color-warning-background-hover': '#f82042',\n '--color-warning-text-color': '#ffffff',\n '--color-warning-text-color-inverted': '#fd4d69',\n\n // The styles below should be kept in sync with 'root.css'\n // They are repeated there because they're used by e.g. tooltips or context menus\n // which get rendered outside of the DOM subtree (where normal theme/styles are written).\n '--color-scroll-thumb': '#c2c2c2',\n '--color-scroll-track': '#fafafa',\n '--color-tooltip-background': 'rgba(0, 0, 0, 0.9)',\n '--color-tooltip-text': '#ffffff',\n },\n dark: {\n '--color-attribute-name': '#9d87d2',\n '--color-attribute-name-not-editable': '#ededed',\n '--color-attribute-name-inverted': '#282828',\n '--color-attribute-value': '#cedae0',\n '--color-attribute-value-inverted': '#ffffff',\n '--color-attribute-editable-value': 'yellow',\n '--color-background': '#282c34',\n '--color-background-hover': 'rgba(255, 255, 255, 0.1)',\n '--color-background-inactive': '#3d424a',\n '--color-background-invalid': '#5c0000',\n '--color-background-selected': '#178fb9',\n '--color-button-background': '#282c34',\n '--color-button-background-focus': '#3d424a',\n '--color-button': '#afb3b9',\n '--color-button-active': '#61dafb',\n '--color-button-disabled': '#4f5766',\n '--color-button-focus': '#a2e9fc',\n '--color-button-hover': '#ededed',\n '--color-border': '#3d424a',\n '--color-commit-did-not-render-fill': '#777d88',\n '--color-commit-did-not-render-fill-text': '#000000',\n '--color-commit-did-not-render-pattern': '#666c77',\n '--color-commit-did-not-render-pattern-text': '#ffffff',\n '--color-commit-gradient-0': '#37afa9',\n '--color-commit-gradient-1': '#63b19e',\n '--color-commit-gradient-2': '#80b393',\n '--color-commit-gradient-3': '#97b488',\n '--color-commit-gradient-4': '#abb67d',\n '--color-commit-gradient-5': '#beb771',\n '--color-commit-gradient-6': '#cfb965',\n '--color-commit-gradient-7': '#dfba57',\n '--color-commit-gradient-8': '#efbb49',\n '--color-commit-gradient-9': '#febc38',\n '--color-commit-gradient-text': '#000000',\n '--color-component-name': '#61dafb',\n '--color-component-name-inverted': '#282828',\n '--color-component-badge-background': 'rgba(255, 255, 255, 0.25)',\n '--color-component-badge-background-inverted': 'rgba(0, 0, 0, 0.25)',\n '--color-component-badge-count': '#8f949d',\n '--color-component-badge-count-inverted': 'rgba(255, 255, 255, 0.7)',\n '--color-console-error-badge-text': '#000000',\n '--color-console-error-background': '#290000',\n '--color-console-error-border': '#5c0000',\n '--color-console-error-icon': '#eb3941',\n '--color-console-error-text': '#fc7f7f',\n '--color-console-warning-badge-text': '#000000',\n '--color-console-warning-background': '#332b00',\n '--color-console-warning-

```
border: '#665500',\n  '--color-console-warning-icon': '#f4bd00',\n  '--color-console-warning-text': '#f5f2ed',\n  '--color-context-background': 'rgba(255,255,255,.95)',\n  '--color-context-background-hover': 'rgba(0, 136, 250, 0.1)',\n  '--color-context-background-selected': '#0088fa',\n  '--color-context-border': '#eeeeee',\n  '--color-context-text': '#000000',\n  '--color-context-text-selected': '#ffffff',\n  '--color-dim': '#8f949d',\n  '--color-dimmer': '#777d88',\n  '--color-dimmest': '#4f5766',\n  '--color-error-background': '#200',\n  '--color-error-border': '#900',\n  '--color-error-text': '#f55',\n  '--color-expand-collapse-toggle': '#8f949d',\n  '--color-link': '#61dafb',\n  '--color-modal-background': 'rgba(0, 0, 0, 0.75)',\n  '--color-bridge-version-npm-background': 'rgba(0, 0, 0, 0.25)',\n  '--color-bridge-version-npm-text': '#ffffff',\n  '--color-bridge-version-number': 'yellow',\n  '--color-primitive-hook-badge-background': 'rgba(0, 0, 0, 0.25)',\n  '--color-primitive-hook-badge-text': 'rgba(255, 255, 255, 0.7)',\n  '--color-record-active': '#fc3a4b',\n  '--color-record-hover': '#a2e9fc',\n  '--color-record-inactive': '#61dafb',\n  '--color-resize-bar': '#282c34',\n  '--color-resize-bar-active': '#31363f',\n  '--color-resize-bar-border': '#3d424a',\n  '--color-resize-bar-dot': '#cfd1d5',\n  '--color-timeline-internal-module': '#303542',\n  '--color-timeline-internal-module-hover': '#363b4a',\n  '--color-timeline-internal-module-text': '#7f8899',\n  '--color-timeline-native-event': '#b2b2b2',\n  '--color-timeline-native-event-hover': '#949494',\n  '--color-timeline-network-primary': '#fcf3dc',\n  '--color-timeline-network-primary-hover': '#e3dbc5',\n  '--color-timeline-network-secondary': '#efc457',\n  '--color-timeline-network-secondary-hover': '#d6af4d',\n  '--color-timeline-priority-background': '#1d2129',\n  '--color-timeline-priority-border': '#282c34',\n  '--color-timeline-user-timing': '#c9cacd',\n  '--color-timeline-user-timing-hover': '#93959a',\n  '--color-timeline-react-idle': '#3d485b',\n  '--color-timeline-react-idle-hover': '#465269',\n  '--color-timeline-react-render': '#2683E2',\n  '--color-timeline-react-render-hover': '#1a76d4',\n  '--color-timeline-react-render-text': '#11365e',\n  '--color-timeline-react-commit': '#731fad',\n  '--color-timeline-react-commit-hover': '#611b94',\n  '--color-timeline-react-commit-text': '#e5c1ff',\n  '--color-timeline-react-layout-effects': '#611b94',\n  '--color-timeline-react-layout-effects-hover': '#51167a',\n  '--color-timeline-react-layout-effects-text': '#e5c1ff',\n  '--color-timeline-react-passive-effects': '#611b94',\n  '--color-timeline-react-passive-effects-hover': '#51167a',\n  '--color-timeline-react-passive-effects-text': '#e5c1ff',\n  '--color-timeline-react-schedule': '#2683E2',\n  '--color-timeline-react-schedule-hover': '#1a76d4',\n  '--color-timeline-react-suspense-rejected': '#f1cc14',\n  '--color-timeline-react-suspense-rejected-hover': '#e4c00f',\n  '--color-timeline-react-suspense-resolved': '#a6e59f',\n  '--color-timeline-react-suspense-resolved-hover': '#89d281',\n  '--color-timeline-react-suspense-unresolved': '#c9cacd',\n  '--color-timeline-react-suspense-unresolved-hover': '#93959a',\n  '--color-timeline-thrown-error': '#fb3655',\n  '--color-timeline-thrown-error-hover': '#f82042',\n  '--color-timeline-text-color': '#282c34',\n  '--color-timeline-text-dim-color': '#555b66',\n  '--color-timeline-react-work-border': '#3d424a',\n  '--color-search-match': 'yellow',\n  '--color-search-match-current': '#f7923b',\n  '--color-selected-tree-highlight-active': 'rgba(23, 143, 185, 0.15)',\n  '--color-selected-tree-highlight-inactive': 'rgba(255, 255, 255, 0.05)',\n  '--color-scroll-caret': '#4f5766',\n  '--color-shadow': 'rgba(0, 0, 0, 0.5)',\n  '--color-tab-selected-border': '#178fb9',\n  '--color-text': '#ffffff',\n  '--color-text-invalid': '#ff8080',\n  '--color-text-selected': '#ffffff',\n  '--color-toggle-background-invalid': '#fc3a4b',\n  '--color-toggle-background-on': '#178fb9',\n  '--color-toggle-background-off': '#777d88',\n  '--color-toggle-text': '#ffffff',\n  '--color-warning-background': '#ee1638',\n  '--color-warning-background-hover': '#da1030',\n  '--color-warning-text-color': '#ffffff',\n  '--color-warning-text-color-inverted': '#ee1638',\n  // The styles below should be kept in sync with 'root.css'\n  // They are repeated there because they're used by e.g. tooltips or context menus\n  // which get rendered outside of the DOM subtree (where normal theme/styles are written).\n  '--color-scroll-thumb': '#afb3b9',\n  '--color-scroll-track': '#313640',\n  '--color-tooltip-background': 'rgba(255, 255, 255, 0.95)',\n  '--color-tooltip-text': '#000000',\n  },\n  compact: {\n    '--font-size-monospace-small': '9px',\n    '--font-size-monospace-normal': '11px',\n    '--font-size-monospace-large': '15px',\n    '--font-size-sans-small': '10px',\n    '--font-size-sans-normal': '12px',\n    '--font-size-sans-large': '14px',\n    '--line-height-data': '18px',\n  },\n  comfortable: {\n    '--font-size-monospace-small': '10px',\n    '--font-size-monospace-normal': '13px',\n    '--font-size-monospace-large': '17px',\n    '--font-size-sans-small': '12px',\n    '--font-size-sans-normal': '14px',\n    '--font-size-sans-large': '16px',\n    '--line-height-data': '22px',\n  },\n};\n\n// HACK\n// Sometimes the inline target is rendered before root styles are applied,\n// which would result in e.g. NaN itemSize being passed to react-window list.\nconst COMFORTABLE_LINE_HEIGHT: number = parseInt(\n
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THEME_STYLES.comfortable[--line-height-data'],\n 10,\n);\nconst COMPACT_LINE_HEIGHT: number =
parseInt(\n  THEME_STYLES.compact[--line-height-data'],\n 10,\n);\n\nexport
{COMFORTABLE_LINE_HEIGHT, COMPACT_LINE_HEIGHT};\n", "/**\n * Copyright (c) Meta Platforms, Inc.
and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root
directory of this source tree.\n *\n * @flow\n *\n\nexport {\n  COMFORTABLE_LINE_HEIGHT,\n  COMPACT_LINE_HEIGHT,\n} from 'react-devtools-shared/src/devtools/constants.js';\n\nexport const
REACT_TOTAL_NUM_LANES = 31;\n\n// Increment this number any time a backwards breaking change is made
to the profiler metadata.\n\nexport const SCHEDULING_PROFILER_VERSION = 1;\n\nexport const
SNAPSHOT_MAX_HEIGHT = 60;\n", "/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This
source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n *\n\nimport type {\n  Lane,\n  Lanes,\n  DevToolsProfilingHooks,\n  WorkTagMap,\n  CurrentDispatcherRef,\n} from 'react-devtools-shared/src/backend/types';\n\nimport type {Fiber} from 'react-
reconciler/src/ReactInternalTypes';\n\nimport type {Wakeable} from 'shared/ReactTypes';\n\nimport type {\n  BatchUID,\n  InternalModuleSourceToRanges,\n  LaneToLabelMap,\n  ReactComponentMeasure,\n  ReactLane,\n  ReactMeasure,\n  ReactMeasureType,\n  ReactScheduleStateUpdateEvent,\n  SchedulingEvent,\n  SuspenseEvent,\n  TimelineData,\n} from 'react-devtools-timeline/src/types';\n\nimport isArray from 'shared/isArray';\n\nimport {\n  REACT_TOTAL_NUM_LANES,\n  SCHEDULING_PROFILER_VERSION,\n} from 'react-devtools-
timeline/src/constants';\n\nimport {describeFiber} from './DevToolsFiberComponentStack';\n\n// Add padding to the
start/stop time of the profile.\n\n// This makes the UI nicer to use.\n\nconst TIME_OFFSET = 10;\n\nlet
performanceTarget: Performance | null = null;\n\n// If performance exists and supports the subset of the User Timing
API that we require.\n\nlet supportsUserTiming =\n  typeof performance !== 'undefined' &&\n  //
$FlowFixMe[method-unbinding]\n  typeof performance.mark === 'function' &&\n  // $FlowFixMe[method-
unbinding]\n  typeof performance.clearMarks === 'function';\n\nlet supportsUserTimingV3 = false;\n\nif
(supportsUserTiming) {\n  const CHECK_V3_MARK = '__v3';\n  const markOptions = ({}: {startTime?:
number});\n  Object.defineProperty(markOptions, 'startTime', {\n    get: function () {\n      supportsUserTimingV3 =
true;\n      return 0;\n    },\n    set: function () {},\n  });\n  try {\n    // $FlowFixMe[extra-arg]: Flow expects the
User Timing level 2 API.\n    performance.mark(CHECK_V3_MARK, markOptions);\n  } catch (error) {\n    //
Ignore\n  } finally {\n    performance.clearMarks(CHECK_V3_MARK);\n  }\n}\n\nif (supportsUserTimingV3) {\n
performanceTarget = performance;\n}\n\n// Some environments (e.g. React Native / Hermes) don't support the
performance API yet.\n\nconst getCurrentTime =\n  // $FlowFixMe[method-unbinding]\n  typeof performance ===
'object' && typeof performance.now === 'function'\n  ? () => performance.now()\n  : () => Date.now();\n\n//
Mocking the Performance Object (and User Timing APIs) for testing is fragile.\n\n// This API allows tests to directly
override the User Timing APIs.\n\nexport function setPerformanceMock_ONLY_FOR_TESTING(\n
performanceMock: Performance | null,\n)\n  {\n    performanceTarget = performanceMock;\n    supportsUserTiming =
performanceMock !== null;\n    supportsUserTimingV3 = performanceMock !== null;\n  }\n\nexport type
GetTimelineData = () => TimelineData | null;\n\nexport type ToggleProfilingStatus = (value: boolean) =>
void;\n\ninterface Response = {\n  getTimelineData: GetTimelineData,\n  profilingHooks: DevToolsProfilingHooks,\n  toggleProfilingStatus: ToggleProfilingStatus,\n};\n\nexport function createProfilingHooks({\n
getDisplayNameForFiber,\n  getIsProfiling,\n  getLaneLabelMap,\n  workTagMap,\n  currentDispatcherRef,\n  reactVersion,\n}: {\n  getDisplayNameForFiber: (fiber: Fiber) => string | null,\n  getIsProfiling: () => boolean,\n  getLaneLabelMap?: () => Map<Lane, string> | null,\n  currentDispatcherRef?: CurrentDispatcherRef,\n  workTagMap: WorkTagMap,\n  reactVersion: string,\n}): Response {\n  let currentBatchUID: BatchUID = 0;\n  let
currentReactComponentMeasure: ReactComponentMeasure | null = null;\n  let currentReactMeasuresStack:
Array<ReactMeasure> = [];\n  let currentTimelineData: TimelineData | null = null;\n  let currentFiberStacks:
Map<SchedulingEvent, Array<Fiber>> = new Map();\n  let isProfiling: boolean = false;\n  let
nextRenderShouldStartNewBatch: boolean = false;\n\n  function getRelativeTime() {\n    const currentTime =
getCurrentTime();\n    if (currentTimelineData) {\n      if (currentTimelineData.startTime === 0) {\n
currentTimelineData.startTime = currentTime - TIME_OFFSET;\n      }\n    }\n    return currentTime -

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currentTimelineData.startTime;\n  }\n\n  return 0;\n }\n\n function getInternalModuleRanges() {\n  /* global
__REACT_DEVTOOLS_GLOBAL_HOOK__ */\n  if (\n    typeof
__REACT_DEVTOOLS_GLOBAL_HOOK__ !== 'undefined' &&\n    typeof
__REACT_DEVTOOLS_GLOBAL_HOOK__.getInternalModuleRanges ===\n    'function'\n  ) {\n    // Ask
the DevTools hook for module ranges that may have been reported by the current renderer(s).\n    // Don't do this
eagerly like the laneToLabelMap,\n    // because some modules might not yet have registered their boundaries
when the renderer is injected.\n    const ranges =
__REACT_DEVTOOLS_GLOBAL_HOOK__.getInternalModuleRanges();\n\n    // This check would not be
required,\n    // except that it's possible for things to override __REACT_DEVTOOLS_GLOBAL_HOOK__.\n    if (isArray(ranges)) {\n      return ranges;\n    }\n\n    return null;\n  }\n\n  function getTimelineData():
TimelineData | null {\n    return currentTimelineData;\n  }\n\n  function laneToLanesArray(lanes: Lane) {\n    const
lanesArray = [];\n\n    let lane = 1;\n    for (let index = 0; index < REACT_TOTAL_NUM_LANES; index++) {\n
if (lane & lanes) {\n      lanesArray.push(lane);\n    }\n\n    lane *= 2;\n  }\n\n  return lanesArray;\n }\n\n const
laneToLabelMap: LaneToLabelMap | null =\n  typeof getLaneLabelMap === 'function' ? getLaneLabelMap() :
null;\n\n  function markMetadata() {\n    markAndClear(`--react-version-${reactVersion}`);\n    markAndClear(`--
profiler-version-${SCHEDULING_PROFILER_VERSION}`);\n\n    const ranges = getInternalModuleRanges();\n    if (ranges) {\n
for (let i = 0; i < ranges.length; i++) {\n      const range = ranges[i];\n      if (isArray(range) &&
range.length === 2) {\n        const [startStackFrame, stopStackFrame] = ranges[i];\n        markAndClear(`--
react-internal-module-start-${startStackFrame}`);\n        markAndClear(`--react-internal-module-stop-
${stopStackFrame}`);\n      }\n    }\n\n    if (laneToLabelMap !== null) {\n      const labels =
Array.from(laneToLabelMap.values()).join(',');\n      markAndClear(`--react-lane-labels-${labels}`);\n    }\n\n
function markAndClear(markName: string) {\n    // This method won't be called unless these functions are defined,
so we can skip the extra typeof check.\n    ((performanceTarget: any): Performance).mark(markName);\n
((performanceTarget: any): Performance).clearMarks(markName);\n  }\n\n  function recordReactMeasureStarted(\n
type: ReactMeasureType,\n  lanes: Lanes,\n ): void {\n    // Decide what depth this work should be rendered at,
based on what's on the top of the stack.\n    // It's okay to render over top of "idle" work but everything else should
be on its own row.\n    let depth = 0;\n    if (currentReactMeasuresStack.length > 0) {\n      const top =\n      currentReactMeasuresStack[currentReactMeasuresStack.length - 1];\n      depth = top.type === 'render-idle' ?
top.depth : top.depth + 1;\n    }\n\n    const lanesArray = laneToLanesArray(lanes);\n\n    const reactMeasure:
ReactMeasure = {\n      type,\n      batchUID: currentBatchUID,\n      depth,\n      lanes: lanesArray,\n      timestamp:
getRelativeTime(),\n      duration: 0,\n    };\n\n    currentReactMeasuresStack.push(reactMeasure);\n\n    if
(currentTimelineData) {\n      const {batchUIDToMeasuresMap, laneToReactMeasureMap} =\n      currentTimelineData;\n\n      let reactMeasures = batchUIDToMeasuresMap.get(currentBatchUID);\n      if
(reactMeasures !== null) {\n        reactMeasures.push(reactMeasure);\n      } else {\n
batchUIDToMeasuresMap.set(currentBatchUID, [reactMeasure]);\n      }\n\n      lanesArray.forEach(lane => {\n
reactMeasures = laneToReactMeasureMap.get(lane);\n      if (reactMeasures) {\n
reactMeasures.push(reactMeasure);\n      }\n    });\n  }\n\n  function recordReactMeasureCompleted(type:
ReactMeasureType): void {\n    const currentTime = getRelativeTime();\n    if (currentReactMeasuresStack.length
=== 0) {\n      console.error(\n        `Unexpected type "${s}" completed at %sms while currentReactMeasuresStack is
empty.`,\n        type,\n        currentTime,\n      );\n      // Ignore work "completion" user timing mark that doesn't
complete anything\n      return;\n    }\n\n    const top = currentReactMeasuresStack.pop();\n    if (top.type !== type)
{\n      console.error(\n        `Unexpected type "${s}" completed at %sms before "${s}" completed.`,\n        type,\n
currentTime,\n        top.type,\n      );\n    }\n\n    // $FlowFixMe[cannot-write] This property should not be writable
outside of this function.\n    top.duration = currentTime - top.timestamp;\n\n    if (currentTimelineData) {\n
currentTimelineData.duration = getRelativeTime() + TIME_OFFSET;\n    }\n\n  function
markCommitStarted(lanes: Lanes): void {\n    if (isProfiling) {\n      recordReactMeasureStarted('commit',
lanes);\n    }\n\n    // TODO (timeline) Re-think this approach to "batching"; I don't think it works for Suspense or
pre-rendering.\n    // This issue applies to the User Timing data also.\n    nextRenderShouldStartNewBatch = true;\n

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}\n\n if (supportsUserTimingV3) {\n  markAndClear('--commit-start-${lanes}');\n\n  // Some metadata only
needs to be logged once per session,\n  // but if profiling information is being recorded via the Performance tab,\n  // DevTools has no way of knowing when the recording starts.\n  // Because of that, we log this type of data
periodically (once per commit).\n  markMetadata();\n } } }\n\n function markCommitStopped(): void {\n  if
(isProfiling) {\n    recordReactMeasureCompleted('commit');\n    recordReactMeasureCompleted('render-idle');\n
  }\n\n  if (supportsUserTimingV3) {\n    markAndClear('--commit-stop');\n  }\n }\n\n function
markComponentRenderStarted(fiber: Fiber): void {\n  if (isProfiling || supportsUserTimingV3) {\n    const
componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n\n    if (isProfiling) {\n      // TODO (timeline)
Record and cache component stack\n      if (isProfiling) {\n        currentReactComponentMeasure = {\n
componentName,\n        duration: 0,\n        timestamp: getRelativeTime(),\n        type: 'render',\n
warning: null,\n        };\n      }\n    }\n\n    if (supportsUserTimingV3) {\n      markAndClear('--component-
render-start-${componentName}');\n    }\n  }\n }\n\n function markComponentRenderStopped(): void {\n  if
(isProfiling) {\n    if (currentReactComponentMeasure) {\n      if (currentTimelineData) {\n
currentTimelineData.componentMeasures.push(\n        currentReactComponentMeasure,\n      );\n    }\n\n
// $FlowFixMe[incompatible-use] found when upgrading Flow\n    currentReactComponentMeasure.duration =\n
// $FlowFixMe[incompatible-use] found when upgrading Flow\n    getRelativeTime() -
currentReactComponentMeasure.timestamp;\n    currentReactComponentMeasure = null;\n  }\n }\n\n if
(supportsUserTimingV3) {\n    markAndClear('--component-render-stop');\n  }\n }\n\n function
markComponentLayoutEffectMountStarted(fiber: Fiber): void {\n  if (isProfiling || supportsUserTimingV3) {\n
const componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n\n    if (isProfiling) {\n      // TODO
(timeline) Record and cache component stack\n      if (isProfiling) {\n        currentReactComponentMeasure = {\n
componentName,\n        duration: 0,\n        timestamp: getRelativeTime(),\n        type: 'layout-effect-
mount',\n        warning: null,\n        };\n      }\n    }\n\n    if (supportsUserTimingV3) {\n
markAndClear('--component-layout-effect-mount-start-${componentName}');\n    }\n  }\n }\n\n function
markComponentLayoutEffectMountStopped(): void {\n  if (isProfiling) {\n    if
(currentReactComponentMeasure) {\n      if (currentTimelineData) {\n
currentTimelineData.componentMeasures.push(\n        currentReactComponentMeasure,\n      );\n    }\n\n
// $FlowFixMe[incompatible-use] found when upgrading Flow\n    currentReactComponentMeasure.duration =\n
// $FlowFixMe[incompatible-use] found when upgrading Flow\n    getRelativeTime() -
currentReactComponentMeasure.timestamp;\n    currentReactComponentMeasure = null;\n  }\n }\n\n if
(supportsUserTimingV3) {\n    markAndClear('--component-layout-effect-mount-stop');\n  }\n }\n\n function
markComponentLayoutEffectUnmountStarted(fiber: Fiber): void {\n  if (isProfiling || supportsUserTimingV3) {\n
const componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n\n    if (isProfiling) {\n      // TODO
(timeline) Record and cache component stack\n      if (isProfiling) {\n        currentReactComponentMeasure = {\n
componentName,\n        duration: 0,\n        timestamp: getRelativeTime(),\n        type: 'layout-effect-
unmount',\n        warning: null,\n        };\n      }\n    }\n\n    if (supportsUserTimingV3) {\n
markAndClear(\n      `--component-layout-effect-unmount-start-${componentName}`,\n    );\n  }\n }\n\n
function markComponentLayoutEffectUnmountStopped(): void {\n  if (isProfiling) {\n    if
(currentReactComponentMeasure) {\n      if (currentTimelineData) {\n
currentTimelineData.componentMeasures.push(\n        currentReactComponentMeasure,\n      );\n    }\n\n
// $FlowFixMe[incompatible-use] found when upgrading Flow\n    currentReactComponentMeasure.duration =\n
// $FlowFixMe[incompatible-use] found when upgrading Flow\n    getRelativeTime() -
currentReactComponentMeasure.timestamp;\n    currentReactComponentMeasure = null;\n  }\n }\n\n if
(supportsUserTimingV3) {\n    markAndClear('--component-layout-effect-unmount-stop');\n  }\n }\n\n function
markComponentPassiveEffectMountStarted(fiber: Fiber): void {\n  if (isProfiling || supportsUserTimingV3) {\n
const componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n\n    if (isProfiling) {\n      // TODO
(timeline) Record and cache component stack\n      if (isProfiling) {\n        currentReactComponentMeasure = {\n
componentName,\n        duration: 0,\n        timestamp: getRelativeTime(),\n        type: 'passive-effect-

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mount',\n      warning: null,\n    });\n  }\n  }\n  if (supportsUserTimingV3) {\n
markAndClear(`--component-passive-effect-mount-start-${componentName}`);\n  }\n  }\n  }\n  function
markComponentPassiveEffectMountStopped(): void {\n    if (isProfiling) {\n      if
(currentReactComponentMeasure) {\n        if (currentTimelineData) {\n
currentTimelineData.componentMeasures.push(\n          currentReactComponentMeasure,\n        );\n      }\n    }\n
// $FlowFixMe[incompatible-use] found when upgrading Flow\n    currentReactComponentMeasure.duration =\n
// $FlowFixMe[incompatible-use] found when upgrading Flow\n    getRelativeTime() -
currentReactComponentMeasure.timestamp;\n    currentReactComponentMeasure = null;\n  }\n  }\n  if
(supportsUserTimingV3) {\n    markAndClear(`--component-passive-effect-mount-stop`);\n  }\n  }\n  function
markComponentPassiveEffectUnmountStarted(fiber: Fiber): void {\n    if (isProfiling || supportsUserTimingV3) {\n
const componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n    if (isProfiling) {\n      // TODO
(timeline) Record and cache component stack\n      if (isProfiling) {\n        currentReactComponentMeasure = {\n
componentName,\n        duration: 0,\n        timestamp: getRelativeTime(),\n        type: 'passive-effect-
unmount',\n        warning: null,\n      });\n    }\n  }\n  if (supportsUserTimingV3) {\n
markAndClear(\n    `--component-passive-effect-unmount-start-${componentName}`,\n  );\n  }\n  }\n  function
markComponentPassiveEffectUnmountStopped(): void {\n    if (isProfiling) {\n      if
(currentReactComponentMeasure) {\n        if (currentTimelineData) {\n
currentTimelineData.componentMeasures.push(\n          currentReactComponentMeasure,\n        );\n      }\n    }\n
// $FlowFixMe[incompatible-use] found when upgrading Flow\n    currentReactComponentMeasure.duration =\n
// $FlowFixMe[incompatible-use] found when upgrading Flow\n    getRelativeTime() -
currentReactComponentMeasure.timestamp;\n    currentReactComponentMeasure = null;\n  }\n  }\n  if
(supportsUserTimingV3) {\n    markAndClear(`--component-passive-effect-unmount-stop`);\n  }\n  }\n  function
markComponentErrored(\n    fiber: Fiber,\n    thrownValue: mixed,\n    lanes: Lanes,\n  ): void {\n    if (isProfiling ||
supportsUserTimingV3) {\n      const componentName = getDisplayNameForFiber(fiber) || 'Unknown';\n      const
phase = fiber.alternate === null ? 'mount' : 'update';\n      let message = ";\n      if (\n        thrownValue !== null
&&\n        typeof thrownValue === 'object' &&\n        typeof thrownValue.message === 'string'\n      ) {\n
message = thrownValue.message;\n      } else if (typeof thrownValue === 'string') {\n        message =
thrownValue;\n      }\n      if (isProfiling) {\n        // TODO (timeline) Record and cache component stack\n        if
(currentTimelineData) {\n          currentTimelineData.thrownErrors.push({\n            componentName,\n
message,\n            phase,\n            timestamp: getRelativeTime(),\n            type: 'thrown-error',\n          });\n        }\n
      }\n      if (supportsUserTimingV3) {\n        markAndClear(`--error-${componentName}-${phase}-
${message}`);\n      }\n    }\n  }\n  const PossiblyWeakMap = typeof WeakMap === 'function' ? WeakMap :
Map;\n  // $FlowFixMe[incompatible-type]: Flow cannot handle polymorphic WeakMaps\n  const wakeableIDs:
WeakMap<Wakeable, number> = new PossiblyWeakMap();\n  let wakeableID: number = 0;\n  function
getWakeableID(wakeable: Wakeable): number {\n    if (!wakeableIDs.has(wakeable)) {\n
wakeableIDs.set(wakeable, wakeableID++);\n    }\n    return ((wakeableIDs.get(wakeable): any): number);\n  }\n  function
markComponentSuspended(\n    fiber: Fiber,\n    wakeable: Wakeable,\n    lanes: Lanes,\n  ): void {\n    if
(isProfiling || supportsUserTimingV3) {\n      const eventType = wakeableIDs.has(wakeable) ? 'resume' :
'suspend';\n      const id = getWakeableID(wakeable);\n      const componentName = getDisplayNameForFiber(fiber)
|| 'Unknown';\n      const phase = fiber.alternate === null ? 'mount' : 'update';\n      // Following the non-standard
fn.displayName convention,\n      // frameworks like Relay may also annotate Promises with a displayName,\n      //
describing what operation/data the thrown Promise is related to.\n      // When this is available we should pass it
along to the Timeline.\n      const displayName = (wakeable: any).displayName || ";\n      let suspenseEvent:
SuspenseEvent | null = null;\n      if (isProfiling) {\n        // TODO (timeline) Record and cache component stack\n
suspenseEvent = {\n        componentName,\n        depth: 0,\n        duration: 0,\n        id: `${id}`,\n
phase,\n        promiseName: displayName,\n        resolution: 'unresolved',\n        timestamp: getRelativeTime(),\n
type: 'suspense',\n        warning: null,\n      });\n      if (currentTimelineData) {\n
currentTimelineData.suspenseEvents.push(suspenseEvent);\n      }\n    }\n  }\n  if (supportsUserTimingV3) {\n

```

```

markAndClear(\n      `--suspense-${eventType}-${id}-${componentName}-${phase}-${lanes}-
${displayName}`, \n    ); \n    } \n    } \n    wakeable.then(\n      () => { \n        if (suspenseEvent) { \n
suspenseEvent.duration = \n          getRelativeTime() - suspenseEvent.timestamp; \n
suspenseEvent.resolution = 'resolved'; \n        } \n        if (supportsUserTimingV3) { \n          markAndClear(`--
suspense-resolved-${id}-${componentName}`); \n        } \n        } \n        () => { \n          if (suspenseEvent) { \n
suspenseEvent.duration = \n          getRelativeTime() - suspenseEvent.timestamp; \n
suspenseEvent.resolution = 'rejected'; \n        } \n        if (supportsUserTimingV3) { \n          markAndClear(`--
suspense-rejected-${id}-${componentName}`); \n        } \n        } \n        } \n        } \n        } \n        function
markLayoutEffectsStarted(lanes: Lanes): void { \n          if (isProfiling) { \n            recordReactMeasureStarted('layout-
effects', lanes); \n          } \n        } \n        if (supportsUserTimingV3) { \n          markAndClear(`--layout-effects-start-${lanes}`); \n
} \n        } \n        function markLayoutEffectsStopped(): void { \n          if (isProfiling) { \n
recordReactMeasureCompleted('layout-effects'); \n          } \n        } \n        if (supportsUserTimingV3) { \n          markAndClear(`--
layout-effects-stop`); \n        } \n        } \n        function markPassiveEffectsStarted(lanes: Lanes): void { \n          if (isProfiling) { \n
recordReactMeasureStarted('passive-effects', lanes); \n          } \n        } \n        if (supportsUserTimingV3) { \n
markAndClear(`--passive-effects-start-${lanes}`); \n        } \n        } \n        function markPassiveEffectsStopped(): void { \n          if
(isProfiling) { \n            recordReactMeasureCompleted('passive-effects'); \n          } \n        } \n        if (supportsUserTimingV3) { \n
markAndClear(`--passive-effects-stop`); \n        } \n        } \n        function markRenderStarted(lanes: Lanes): void { \n          if
(isProfiling) { \n            if (nextRenderShouldStartNewBatch) { \n              nextRenderShouldStartNewBatch = false; \n
currentBatchUID++; \n            } \n            // If this is a new batch of work, wrap an "idle" measure around it. \n            // Log it
before the "render" measure to preserve the stack ordering. \n            if (\n              currentReactMeasuresStack.length ===
0 || \n              currentReactMeasuresStack[currentReactMeasuresStack.length - 1].type !== \n              'render-idle' \n            ) { \n
recordReactMeasureStarted('render-idle', lanes); \n            } \n            recordReactMeasureStarted('render', lanes); \n
} \n        } \n        if (supportsUserTimingV3) { \n          markAndClear(`--render-start-${lanes}`); \n        } \n        } \n        function
markRenderYielded(): void { \n          if (isProfiling) { \n            recordReactMeasureCompleted('render'); \n          } \n        } \n        if
(supportsUserTimingV3) { \n          markAndClear(`--render-yield`); \n        } \n        } \n        function markRenderStopped(): void
{ \n          if (isProfiling) { \n            recordReactMeasureCompleted('render'); \n          } \n        } \n        if (supportsUserTimingV3) { \n
markAndClear(`--render-stop`); \n        } \n        } \n        function markRenderScheduled(lane: Lane): void { \n          if (isProfiling)
{ \n            if (currentTimelineData) { \n              currentTimelineData.schedulingEvents.push({ \n                lanes:
laneToLanesArray(lane), \n                timestamp: getRelativeTime(), \n                type: 'schedule-render', \n                warning:
null, \n                }); \n            } \n          } \n        } \n        if (supportsUserTimingV3) { \n          markAndClear(`--schedule-render-${lane}`); \n
} \n        } \n        function markForceUpdateScheduled(fiber: Fiber, lane: Lane): void { \n          if (isProfiling ||
supportsUserTimingV3) { \n            const componentName = getDisplayNameForFiber(fiber) || 'Unknown'; \n            if
(isProfiling) { \n              // TODO (timeline) Record and cache component stack \n              if (currentTimelineData) { \n
currentTimelineData.schedulingEvents.push({ \n                componentName, \n                lanes: laneToLanesArray(lane), \n
timestamp: getRelativeTime(), \n                type: 'schedule-force-update', \n                warning: null, \n                }); \n
} \n            } \n          } \n        } \n        if (supportsUserTimingV3) { \n          markAndClear(`--schedule-forced-update-${lane}-
${componentName}`); \n        } \n        } \n        } \n        function getParentFibers(fiber: Fiber): Array<Fiber> { \n          const
parents = []; \n          let parent: null | Fiber = fiber; \n          while (parent !== null) { \n            parents.push(parent); \n
parent = parent.return; \n          } \n          return parents; \n        } \n        function markStateUpdateScheduled(fiber: Fiber, lane: Lane): void
{ \n          if (isProfiling || supportsUserTimingV3) { \n            const componentName = getDisplayNameForFiber(fiber) ||
'Unknown'; \n            if (isProfiling) { \n              // TODO (timeline) Record and cache component stack \n              if
(currentTimelineData) { \n                const event: ReactScheduleStateUpdateEvent = { \n                  componentName, \n
// Store the parent fibers so we can post process \n                  // them after we finish profiling \n                  lanes:
laneToLanesArray(lane), \n                  timestamp: getRelativeTime(), \n                  type: 'schedule-state-update', \n                  warning:
null, \n                  }; \n                currentFiberStacks.set(event, getParentFibers(fiber)); \n                //
$FlowFixMe[incompatible-use] found when upgrading Flow \n                currentTimelineData.schedulingEvents.push(event); \n              } \n
} \n            } \n          } \n        } \n        if (supportsUserTimingV3) { \n          markAndClear(`--schedule-state-update-${lane}-${componentName}`); \n
} \n        } \n        } \n        } \n        function

```

```

toggleProfilingStatus(value: boolean) {
  if (isProfiling !== value) {
    isProfiling = value;
    if (isProfiling) {
      const internalModuleSourceToRanges: InternalModuleSourceToRanges =
        new Map();
      if (supportsUserTimingV3) {
        const ranges = getInternalModuleRanges();
        if (ranges) {
          for (let i = 0; i < ranges.length; i++) {
            const range = ranges[i];
            if (isArray(range) && range.length === 2) {
              const [startStackFrame, stopStackFrame] = range[i];
              markAndClear(`--react-internal-module-start-${startStackFrame}`);
              markAndClear(`--react-internal-module-stop-${stopStackFrame}`);
            }
          }
        }
        const laneToReactMeasureMap = new Map<ReactLane, ReactMeasure[]>();
        let lane = 1;
        for (let index = 0; index < REACT_TOTAL_NUM_LANES; index++) {
          laneToReactMeasureMap.set(lane, []);
          lane *= 2;
        }
        currentBatchUID = 0;
        currentReactComponentMeasure = null;
        currentReactMeasuresStack = [];
        currentFiberStacks = new Map();
        currentTimelineData = {
          // Session wide metadata; only collected once.
          internalModuleSourceToRanges,
          laneToLabelMap: laneToLabelMap || new Map(),
          reactVersion,
          // Data logged by React during profiling session.
          componentMeasures: [],
          schedulingEvents: [],
          suspenseEvents: [],
          thrownErrors: [],
          // Data inferred based on what React logs.
          batchUIDToMeasuresMap: new Map(),
          duration: 0,
          laneToReactMeasureMap,
          startTime: 0,
          // Data only available in Chrome profiles.
          flamechart: [],
          nativeEvents: [],
          networkMeasures: [],
          otherUserTimingMarks: [],
          snapshots: [],
          snapshotHeight: 0,
        };
        nextRenderShouldStartNewBatch = true;
      } else {
        // Postprocess Profile data
        if (currentTimelineData !== null) {
          currentTimelineData.schedulingEvents.forEach(event => {
            if (event.type === 'schedule-state-update') {
              // TODO(luna): We can optimize this by creating a map of
              // fiber to component stack instead of generating the stack
              // for every fiber every time
              const fiberStack = currentFiberStacks.get(event);
              if (fiberStack && currentDispatcherRef !== null) {
                event.componentStack = fiberStack.reduce((trace, fiber) => {
                  return (
                    trace +
                    describeFiber(workTagMap, fiber, currentDispatcherRef) +
                    ');
                  });
                // Clear the current fiber stacks so we don't hold onto the fibers
                // in memory after profiling finishes
                currentFiberStacks.clear();
              }
            }
          });
          return {
            getTimelineData,
            profilingHooks: {
              markCommitStarted,
              markCommitStopped,
              markComponentRenderStarted,
              markComponentRenderStopped,
              markComponentPassiveEffectMountStarted,
              markComponentPassiveEffectMountStopped,
              markComponentPassiveEffectUnmountStarted,
              markComponentPassiveEffectUnmountStopped,
              markComponentLayoutEffectMountStarted,
              markComponentLayoutEffectMountStopped,
              markComponentLayoutEffectUnmountStarted,
              markComponentLayoutEffectUnmountStopped,
              markComponentErrored,
              markComponentSuspended,
              markLayoutEffectsStarted,
              markLayoutEffectsStopped,
              markPassiveEffectsStarted,
              markPassiveEffectsStopped,
              markRenderStarted,
              markRenderYielded,
              markRenderStopped,
              markRenderScheduled,
              markForceUpdateScheduled,
              markStateUpdateScheduled,
            },
          };
        }
      }
    }
  }
}

```

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```

import {
  ComponentFilterDisplayName,
  ComponentFilterElementType,
  ComponentFilterHOC,
  ComponentFilterLocation,
  ElementTypeClass,
  ElementTypeContext,
  ElementTypeFunction,
  ElementTypeForwardRef,
  ElementTypeHostComponent,
  ElementTypeMemo,
  ElementTypeOtherOrUnknown,
  ElementTypeProfiler,
  ElementTypeRoot,
  ElementTypeSuspense,
  ElementTypeSuspenseList,
  ElementTypeTracingMarker,
  StrictMode,
} from 'react-devtools-shared/src/types';
import {
  deletePathInObject,
  getDisplayName,
  getWrappedDisplayName,
  getDefaultComponentFilters,
  getInObject,
  getUID,
  renamePathInObject,
  setInObject,
  utfEncodeString,
} from 'react-devtools-shared/src/utills';
import { sessionStorageGetItem } from 'react-devtools-shared/src/storage';
import { gt, gte, serializeToString } from 'react-devtools-shared/src/backend/utills';
import {
  cleanForBridge,
  copyWithDelete,
  copyWithRename,
  copyWithSet,
}

```

```

getEffectDurations,\n} from './utils';\nimport {\n __DEBUG__,\n PROFILING_FLAG_BASIC_SUPPORT,\n PROFILING_FLAG_TIMELINE_SUPPORT,\n SESSION_STORAGE_RELOAD_AND_PROFILE_KEY,\n SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY,\n TREE_OPERATION_ADD,\n TREE_OPERATION_REMOVE,\n TREE_OPERATION_REMOVE_ROOT,\n TREE_OPERATION_REORDER_CHILDREN,\n TREE_OPERATION_SET_SUBTREE_MODE,\n TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS,\n TREE_OPERATION_UPDATE_TREE_BASE_DURATION,\n} from './constants';\nimport
{inspectHooksOfFiber} from 'react-debug-tools';\nimport {\n patchConsoleUsingWindowValues,\n registerRenderer as registerRendererWithConsole,\n patchForStrictMode as patchConsoleForStrictMode,\n unpatchForStrictMode as unpatchConsoleForStrictMode,\n} from './console';\nimport {\n CONCURRENT_MODE_NUMBER,\n CONCURRENT_MODE_SYMBOL_STRING,\n DEPRECATED_ASYNC_MODE_SYMBOL_STRING,\n PROVIDER_NUMBER,\n PROVIDER_SYMBOL_STRING,\n CONTEXT_NUMBER,\n CONTEXT_SYMBOL_STRING,\n STRICT_MODE_NUMBER,\n STRICT_MODE_SYMBOL_STRING,\n PROFILER_NUMBER,\n PROFILER_SYMBOL_STRING,\n SCOPE_NUMBER,\n SCOPE_SYMBOL_STRING,\n FORWARD_REF_NUMBER,\n FORWARD_REF_SYMBOL_STRING,\n MEMO_NUMBER,\n MEMO_SYMBOL_STRING,\n SERVER_CONTEXT_SYMBOL_STRING,\n} from './ReactSymbols';\nimport
{format} from './utils';\nimport {enableStyleXFeatures} from 'react-devtools-feature-flags';\nimport is from
'shared/objectIs';\nimport hasOwnProperty from 'shared/hasOwnProperty';\nimport {getStyleXData} from
'./StyleX/utils';\nimport {createProfilingHooks} from './profilingHooks';\n\nimport type {GetTimelineData,
ToggleProfilingStatus} from './profilingHooks';\nimport type {Fiber} from 'react-reconciler/src/ReactInternalTypes';\nimport type {\n ChangeDescription,\n CommitDataBackend,\n DevToolsHook,\n InspectedElement,\n InspectedElementPayload,\n InstanceAndStyle,\n NativeType,\n PathFrame,\n PathMatch,\n ProfilingDataBackend,\n ProfilingDataForRootBackend,\n ReactRenderer,\n RendererInterface,\n SerializedElement,\n WorkTagMap,\n} from './types';\nimport type {\n ComponentFilter,\n ElementType,\n Plugins,\n} from 'react-devtools-shared/src/types';\n\ntype getDisplayNameForFiberType = (fiber:
Fiber) => string | null;\ntype getTypeSymbolType = (type: any) => symbol | number;\ntype
ReactPriorityLevelsType = {\n ImmediatePriority: number,\n UserBlockingPriority: number,\n NormalPriority:
number,\n LowPriority: number,\n IdlePriority: number,\n NoPriority: number,\n};\n\nfunction
getFiberFlags(fiber: Fiber): number {\n // The name of this field changed from "effectTag" to "flags"\n return
fiber.flags !== undefined ? fiber.flags : (fiber: any).effectTag;\n}\n\n// Some environments (e.g. React Native /
Hermes) don't support the performance API yet.\nconst get currentTime = \n // $FlowFixMe[method-unbinding]\n
typeof performance === 'object' && typeof performance.now === 'function'\n ? () => performance.now() : ()
=> Date.now();\n\nexport function getInternalReactConstants(version: string): {\n getDisplayNameForFiber:
getDisplayNameForFiberType,\n getTypeSymbol: getTypeSymbolType,\n ReactPriorityLevels:
ReactPriorityLevelsType,\n ReactTypeOfWork: WorkTagMap,\n StrictModeBits: number,\n} {\n //
*****\n // The section below is copied from files
in React repo.\n // Keep it in sync, and add version guards if it changes.\n //\n // Technically these priority levels
are invalid for versions before 16.9,\n // but 16.9 is the first version to report priority level to DevTools,\n // so we
can avoid checking for earlier versions and support pre-16.9 canary releases in the process.\n let
ReactPriorityLevels: ReactPriorityLevelsType = {\n ImmediatePriority: 99,\n UserBlockingPriority: 98,\n
NormalPriority: 97,\n LowPriority: 96,\n IdlePriority: 95,\n NoPriority: 90,\n }; \n\n if (gt(version, '17.0.2'))
{\n ReactPriorityLevels = {\n ImmediatePriority: 1,\n UserBlockingPriority: 2,\n NormalPriority: 3,\n
LowPriority: 4,\n IdlePriority: 5,\n NoPriority: 0,\n }; \n } \n\n let StrictModeBits = 0;\n if (gte(version,
'18.0.0-alpha')) {\n // 18+\n StrictModeBits = 0b011000;\n } else if (gte(version, '16.9.0')) {\n // 16.9 - 17\n
StrictModeBits = 0b1;\n } else if (gte(version, '16.3.0')) {\n // 16.3 - 16.8\n StrictModeBits = 0b10;\n } \n\n let
ReactTypeOfWork: WorkTagMap = ((null: any): WorkTagMap);\n\n //
*****\n // The section below is copied from files

```

```

in React repo.\n // Keep it in sync, and add version guards if it changes.\n //\n // TODO Update the gt() check
below to be gte() whichever the next version number is.\n // Currently the version in Git is 17.0.2 (but that version
has not been/may not end up being released).\n if (gt(version, '17.0.1')) {\n  ReactTypeOfWork = {\n
CacheComponent: 24, // Experimental\n  ClassComponent: 1,\n  ContextConsumer: 9,\n  ContextProvider:
10,\n  CoroutineComponent: -1, // Removed\n  CoroutineHandlerPhase: -1, // Removed\n
DehydratedSuspenseComponent: 18, // Behind a flag\n  ForwardRef: 11,\n  Fragment: 7,\n
FunctionComponent: 0,\n  HostComponent: 5,\n  HostPortal: 4,\n  HostRoot: 3,\n  HostHoistable: 26, // In
reality, 18.2+. But doesn't hurt to include it here\n  HostSingleton: 27, // Same as above\n  HostText: 6,\n
IncompleteClassComponent: 17,\n  IndeterminateComponent: 2,\n  LazyComponent: 16,\n
LegacyHiddenComponent: 23,\n  MemoComponent: 14,\n  Mode: 8,\n  OffscreenComponent: 22, //
Experimental\n  Profiler: 12,\n  ScopeComponent: 21, // Experimental\n  SimpleMemoComponent: 15,\n
SuspenseComponent: 13,\n  SuspenseListComponent: 19, // Experimental\n  TracingMarkerComponent: 25, //
Experimental - This is technically in 18 but we don't\n  // want to fork again so we're adding it here instead\n
YieldComponent: -1, // Removed\n  };\n } else if (gte(version, '17.0.0-alpha')) {\n  ReactTypeOfWork = {\n
CacheComponent: -1, // Doesn't exist yet\n  ClassComponent: 1,\n  ContextConsumer: 9,\n
ContextProvider: 10,\n  CoroutineComponent: -1, // Removed\n  CoroutineHandlerPhase: -1, // Removed\n
DehydratedSuspenseComponent: 18, // Behind a flag\n  ForwardRef: 11,\n  Fragment: 7,\n
FunctionComponent: 0,\n  HostComponent: 5,\n  HostPortal: 4,\n  HostRoot: 3,\n  HostHoistable: -1, //
Doesn't exist yet\n  HostSingleton: -1, // Doesn't exist yet\n  HostText: 6,\n  IncompleteClassComponent:
17,\n  IndeterminateComponent: 2,\n  LazyComponent: 16,\n  LegacyHiddenComponent: 24,\n
MemoComponent: 14,\n  Mode: 8,\n  OffscreenComponent: 23, // Experimental\n  Profiler: 12,\n
ScopeComponent: 21, // Experimental\n  SimpleMemoComponent: 15,\n  SuspenseComponent: 13,\n
SuspenseListComponent: 19, // Experimental\n  TracingMarkerComponent: -1, // Doesn't exist yet\n
YieldComponent: -1, // Removed\n  };\n } else if (gte(version, '16.6.0-beta.0')) {\n  ReactTypeOfWork = {\n
CacheComponent: -1, // Doesn't exist yet\n  ClassComponent: 1,\n  ContextConsumer: 9,\n
ContextProvider: 10,\n  CoroutineComponent: -1, // Removed\n  CoroutineHandlerPhase: -1, // Removed\n
DehydratedSuspenseComponent: 18, // Behind a flag\n  ForwardRef: 11,\n  Fragment: 7,\n
FunctionComponent: 0,\n  HostComponent: 5,\n  HostPortal: 4,\n  HostRoot: 3,\n  HostHoistable: -1, //
Doesn't exist yet\n  HostSingleton: -1, // Doesn't exist yet\n  HostText: 6,\n  IncompleteClassComponent:
17,\n  IndeterminateComponent: 2,\n  LazyComponent: 16,\n  LegacyHiddenComponent: -1,\n
MemoComponent: 14,\n  Mode: 8,\n  OffscreenComponent: -1, // Experimental\n  Profiler: 12,\n
ScopeComponent: -1, // Experimental\n  SimpleMemoComponent: 15,\n  SuspenseComponent: 13,\n
SuspenseListComponent: 19, // Experimental\n  TracingMarkerComponent: -1, // Doesn't exist yet\n
YieldComponent: -1, // Removed\n  };\n } else if (gte(version, '16.4.3-alpha')) {\n  ReactTypeOfWork = {\n
CacheComponent: -1, // Doesn't exist yet\n  ClassComponent: 2,\n  ContextConsumer: 11,\n
ContextProvider: 12,\n  CoroutineComponent: -1, // Removed\n  CoroutineHandlerPhase: -1, // Removed\n
DehydratedSuspenseComponent: -1, // Doesn't exist yet\n  ForwardRef: 13,\n  Fragment: 9,\n
FunctionComponent: 0,\n  HostComponent: 7,\n  HostPortal: 6,\n  HostRoot: 5,\n  HostHoistable: -1, //
Doesn't exist yet\n  HostSingleton: -1, // Doesn't exist yet\n  HostText: 8,\n  IncompleteClassComponent: -1,
// Doesn't exist yet\n  IndeterminateComponent: 4,\n  LazyComponent: -1, // Doesn't exist yet\n
LegacyHiddenComponent: -1,\n  MemoComponent: -1, // Doesn't exist yet\n  Mode: 10,\n
OffscreenComponent: -1, // Experimental\n  Profiler: 15,\n  ScopeComponent: -1, // Experimental\n
SimpleMemoComponent: -1, // Doesn't exist yet\n  SuspenseComponent: 16,\n  SuspenseListComponent: -1, //
Doesn't exist yet\n  TracingMarkerComponent: -1, // Doesn't exist yet\n  YieldComponent: -1, // Removed\n
};\n } else {\n  ReactTypeOfWork = {\n  CacheComponent: -1, // Doesn't exist yet\n  ClassComponent: 2,\n
ContextConsumer: 12,\n  ContextProvider: 13,\n  CoroutineComponent: 7,\n  CoroutineHandlerPhase: 8,\n
DehydratedSuspenseComponent: -1, // Doesn't exist yet\n  ForwardRef: 14,\n  Fragment: 10,\n
FunctionComponent: 1,\n  HostComponent: 5,\n  HostPortal: 4,\n  HostRoot: 3,\n  HostHoistable: -1, //

```

```

Doesn't exist yet\n  HostSingleton: -1, // Doesn't exist yet\n  HostText: 6,\n  IncompleteClassComponent: -1,
// Doesn't exist yet\n  IndeterminateComponent: 0,\n  LazyComponent: -1, // Doesn't exist yet\n
LegacyHiddenComponent: -1,\n  MemoComponent: -1, // Doesn't exist yet\n  Mode: 11,\n
OffscreenComponent: -1, // Experimental\n  Profiler: 15,\n  ScopeComponent: -1, // Experimental\n
SimpleMemoComponent: -1, // Doesn't exist yet\n  SuspenseComponent: 16,\n  SuspenseListComponent: -1, //
Doesn't exist yet\n  TracingMarkerComponent: -1, // Doesn't exist yet\n  YieldComponent: 9,\n };\n }\n //
*****\n // End of copied code.\n //
*****\n\n function getTypeSymbol(type: any):
symbol | number {\n  const symbolOrNumber =\n    typeof type === 'object' && type !== null ? type.$typeof :
type;\n\n  return typeof symbolOrNumber === 'symbol'\n    ? // $FlowFixMe[incompatible-return] `toString()`
doesn't match the type signature?\n    symbolOrNumber.toString()\n    : symbolOrNumber;\n }\n\n const {\n
CacheComponent,\n  ClassComponent,\n  IncompleteClassComponent,\n  FunctionComponent,\n
IndeterminateComponent,\n  ForwardRef,\n  HostRoot,\n  HostHoistable,\n  HostSingleton,\n
HostComponent,\n  HostPortal,\n  HostText,\n  Fragment,\n  LazyComponent,\n  LegacyHiddenComponent,\n
MemoComponent,\n  OffscreenComponent,\n  Profiler,\n  ScopeComponent,\n  SimpleMemoComponent,\n
SuspenseComponent,\n  SuspenseListComponent,\n  TracingMarkerComponent,\n } = ReactTypeOfWork;\n\n
function resolveFiberType(type: any): $FlowFixMe {\n  const typeSymbol = getTypeSymbol(type);\n  switch
(typeSymbol) {\n    case MEMO_NUMBER:\n    case MEMO_SYMBOL_STRING:\n      // recursively
resolving memo type in case of memo(forwardRef(Component))\n      return resolveFiberType(type.type);\n
    case FORWARD_REF_NUMBER:\n    case FORWARD_REF_SYMBOL_STRING:\n      return type.render;\n
    default:\n      return type;\n    }\n  }\n\n // NOTICE Keep in sync with shouldFilterFiber() and other get*ForFiber
methods\n function getDisplayNameForFiber(fiber: Fiber): string | null {\n  const { elementType, type, tag } =
fiber;\n\n  let resolvedType = type;\n  if (typeof type === 'object' && type !== null) {\n    resolvedType =
resolveFiberType(type);\n  }\n\n  let resolvedContext: any = null;\n\n  switch (tag) {\n    case
CacheComponent:\n      return 'Cache';\n    case ClassComponent:\n    case IncompleteClassComponent:\n
return getDisplayName(resolvedType);\n    case FunctionComponent:\n    case IndeterminateComponent:\n
return getDisplayName(resolvedType);\n    case ForwardRef:\n      return getWrappedDisplayName(\n
elementType,\n        resolvedType,\n        'ForwardRef',\n        'Anonymous',\n        );\n    case HostRoot:\n
const fiberRoot = fiber.stateNode;\n    if (fiberRoot !== null && fiberRoot._debugRootType !== null) {\n
return fiberRoot._debugRootType;\n    }\n    return null;\n    case HostComponent:\n    case HostSingleton:\n
case HostHoistable:\n      return type;\n    case HostPortal:\n    case HostText:\n      return null;\n    case
Fragment:\n      return 'Fragment';\n    case LazyComponent:\n      // This display name will not be user visible.\n
// Once a Lazy component loads its inner component, React replaces the tag and type.\n      // This display name
will only show up in console logs when DevTools DEBUG mode is on.\n      return 'Lazy';\n    case
MemoComponent:\n    case SimpleMemoComponent:\n      // Display name in React does not use `Memo` as a
wrapper but fallback name.\n      return getWrappedDisplayName(\n        elementType,\n        resolvedType,\n
        'Memo',\n        'Anonymous',\n        );\n    case SuspenseComponent:\n      return 'Suspense';\n    case
LegacyHiddenComponent:\n      return 'LegacyHidden';\n    case OffscreenComponent:\n      return 'Offscreen';\n
    case ScopeComponent:\n      return 'Scope';\n    case SuspenseListComponent:\n      return 'SuspenseList';\n
    case Profiler:\n      return 'Profiler';\n    case TracingMarkerComponent:\n      return 'TracingMarker';\n
    default:\n      const typeSymbol = getTypeSymbol(type);\n\n      switch (typeSymbol) {\n        case
CONCURRENT_MODE_NUMBER:\n        case CONCURRENT_MODE_SYMBOL_STRING:\n        case
DEPRECATED_ASYNC_MODE_SYMBOL_STRING:\n          return null;\n        case
PROVIDER_NUMBER:\n        case PROVIDER_SYMBOL_STRING:\n          // 16.3.0 exposed the context
object as \"context\"\n          // PR #12501 changed it to \"_context\" for 16.3.1+\n          // NOTE Keep in sync
with inspectElementRaw()\n          resolvedContext = fiber.type._context || fiber.type.context;\n          return
`${resolvedContext.displayName || 'Context'}.Provider`;\n        case CONTEXT_NUMBER:\n        case
CONTEXT_SYMBOL_STRING:\n        case SERVER_CONTEXT_SYMBOL_STRING:\n          // 16.3-16.5

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of profiling status changes.\n  getTimelineData = response.getTimelineData;\n  toggleProfilingStatus =
response.toggleProfilingStatus;\n } \n\n // Tracks Fibers with recently changed number of error/warning
messages.\n // These collections store the Fiber rather than the ID,\n // in order to avoid generating an ID for Fibers
that never get mounted\n // (due to e.g. Suspense or error boundaries).\n // onErrorOrWarning() adds Fibers and
recordPendingErrorsAndWarnings() later clears them.\n const fibersWithChangedErrorOrWarningCounts:
Set<Fiber> = new Set();\n const pendingFiberToErrorsMap: Map<Fiber, Map<string, number>> = new Map();\n
const pendingFiberToWarningsMap: Map<Fiber, Map<string, number>> = new Map();\n\n // Mapping of fiber IDs
to error/warning messages and counts.\n const fiberIDToErrorsMap: Map<number, Map<string, number>> = new
Map();\n const fiberIDToWarningsMap: Map<number, Map<string, number>> = new Map();\n\n function
clearErrorsAndWarnings() {\n // eslint-disable-next-line no-for-of-loops/no-for-of-loops\n for (const id of
fiberIDToErrorsMap.keys()) {\n   const fiber = idToArbitraryFiberMap.get(id);\n   if (fiber != null) {\n
fibersWithChangedErrorOrWarningCounts.add(fiber);\n
updateMostRecentlyInspectedElementIfNecessary(id);\n   }\n }\n\n // eslint-disable-next-line no-for-of-
loops/no-for-of-loops\n for (const id of fiberIDToWarningsMap.keys()) {\n   const fiber =
idToArbitraryFiberMap.get(id);\n   if (fiber != null) {\n
fibersWithChangedErrorOrWarningCounts.add(fiber);\n
updateMostRecentlyInspectedElementIfNecessary(id);\n   }\n }\n\n fiberIDToErrorsMap.clear();\n
fiberIDToWarningsMap.clear();\n\n flushPendingEvents();\n }\n\n function clearMessageCountHelper(\n
fiberID: number,\n pendingFiberToMessageCountMap: Map<Fiber, Map<string, number>>,\n
fiberIDToMessageCountMap: Map<number, Map<string, number>>,\n ) {\n   const fiber =
idToArbitraryFiberMap.get(fiberID);\n   if (fiber != null) {\n // Throw out any pending changes.\n
pendingFiberToErrorsMap.delete(fiber);\n\n   if (fiberIDToMessageCountMap.has(fiberID)) {\n
fiberIDToMessageCountMap.delete(fiberID);\n\n // If previous flushed counts have changed, schedule an
update too.\n   fibersWithChangedErrorOrWarningCounts.add(fiber);\n   flushPendingEvents();\n\n
updateMostRecentlyInspectedElementIfNecessary(fiberID);\n   } else {\n
fibersWithChangedErrorOrWarningCounts.delete(fiber);\n   }\n }\n }\n\n function
clearErrorsForFiberID(fiberID: number) {\n clearMessageCountHelper(\n fiberID,\n
pendingFiberToErrorsMap,\n fiberIDToErrorsMap,\n );\n }\n\n function clearWarningsForFiberID(fiberID:
number) {\n clearMessageCountHelper(\n fiberID,\n pendingFiberToWarningsMap,\n
fiberIDToWarningsMap,\n );\n }\n\n function updateMostRecentlyInspectedElementIfNecessary(\n fiberID:
number,\n ): void {\n   if (\n     mostRecentlyInspectedElement !== null &&\n
mostRecentlyInspectedElement.id === fiberID\n   ) {\n     hasElementUpdatedSinceLastInspected = true;\n   }\n
}\n\n // Called when an error or warning is logged during render, commit, or passive (including unmount
functions).\n function onErrorOrWarning(\n fiber: Fiber,\n type: 'error' | 'warn',\n args:
$ReadOnlyArray<any>,\n ): void {\n   if (type === 'error') {\n     const maybeID = getFiberIDUnsafe(fiber);\n
// if this is an error simulated by us to trigger error boundary, ignore\n     if (maybeID != null &&
forceErrorForFiberIDs.get(maybeID) === true) {\n       return;\n     }\n   }\n   const message = format(...args);\n
if (__DEBUG__) {\n     debug('onErrorOrWarning', fiber, null, `${type}: "${message}"`);\n   }\n\n // Mark this
Fiber as needed its warning/error count updated during the next flush.\n   fibersWithChangedErrorOrWarningCounts.add(fiber);\n\n // Track the warning/error for later.\n   const fiberMap
=\n     type === 'error' ? pendingFiberToErrorsMap : pendingFiberToWarningsMap;\n   const messageMap =
fiberMap.get(fiber);\n   if (messageMap != null) {\n     const count = messageMap.get(message) || 0;\n
messageMap.set(message, count + 1);\n   } else {\n     fiberMap.set(fiber, new Map([[message, 1]]));\n   }\n\n //
Passive effects may trigger errors or warnings too;\n // In this case, we should wait until the rest of the passive
effects have run,\n // but we shouldn't wait until the next commit because that might be a long time.\n // This
would also cause \"tearing\" between an inspected Component and the tree view.\n // Then again we don't want to
flush too soon because this could be an error during async rendering.\n // Use a debounce technique to ensure that
we'll eventually flush.\n   flushPendingErrorsAndWarningsAfterDelay();\n }\n\n // Patching the console enables

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DevTools to do a few useful things:\n // * Append component stacks to warnings and error messages\n // * Disable
logging during re-renders to inspect hooks (see inspectHooksOfFiber)\n registerRendererWithConsole(renderer,
onErrorOrWarning);\n\n // The renderer interface can't read these preferences directly,\n // because it is stored in
localStorage within the context of the extension.\n // It relies on the extension to pass the preference through via the
global.\n patchConsoleUsingWindowValues();\n\n const debug = (\n  name: string,\n  fiber: Fiber,\n
parentFiber: ?Fiber,\n  extraString: string = "",\n ): void => {\n  if (__DEBUG__) {\n    const displayName =\n  fiber.tag + ':' + (getDisplayDisplayNameForFiber(fiber) || 'null');\n\n    const maybeID = getFiberIDUnsafe(fiber) || '<no
id>';\n    const parentDisplayName = parentFiber\n      ? parentFiber.tag +\n      ':' +\n      (getDisplayDisplayNameForFiber(parentFiber) || 'null')\n      : '';\n    const maybeParentID = parentFiber\n      ?
getFiberIDUnsafe(parentFiber) || '<no-id>\n      : '';\n\n    console.groupCollapsed(\n      `[renderer] %c${name}
%c${displayName} (%c${maybeID}) %c${\n      parentFiber ? `${parentDisplayName} (%c${maybeParentID})` : "\n
      } %c${extraString}`,\n      'color: red; font-weight: bold;',\n      'color: blue;',\n      'color: purple;',\n      'color:
black;',\n      );\n    console.log(new Error().stack.split('\n').slice(1).join('\n')); console.groupEnd();\n  }\n
};\n\n // Configurable Components tree filters.\n const hideElementsWithDisplayNames: Set<RegExp> = new
Set();\n const hideElementsWithPaths: Set<RegExp> = new Set();\n const hideElementsWithTypes:
Set<ElementType> = new Set();\n\n // Highlight updates\n let traceUpdatesEnabled: boolean = false;\n const
traceUpdatesForNodes: Set<NativeType> = new Set();\n\n function applyComponentFilters(componentFilters:
Array<ComponentFilter>) {\n  hideElementsWithTypes.clear();\n  hideElementsWithDisplayNames.clear();\n
hideElementsWithPaths.clear();\n\n  componentFilters.forEach(componentFilter => {\n  if
(!componentFilter.isEnabled) {\n    return;\n  }\n\n  switch (componentFilter.type) {\n  case
ComponentFilterDisplayName:\n    if (componentFilter.isValid && componentFilter.value !== "") {\n
hideElementsWithDisplayNames.add(\n      new RegExp(componentFilter.value, 'i'),\n      );\n    }\n
break;\n  case ComponentFilterElementType:\n    hideElementsWithTypes.add(componentFilter.value);\n
break;\n  case ComponentFilterLocation:\n    if (componentFilter.isValid && componentFilter.value !== "") {\n
hideElementsWithPaths.add(new RegExp(componentFilter.value, 'i'));\n    }\n    break;\n  case
ComponentFilterHOC:\n    hideElementsWithDisplayNames.add(new RegExp("\\\\(\\()")); break;\n
default:\n    console.warn(\n      `Invalid component filter type "${componentFilter.type}"`,\n      );\n
break;\n  }\n  });\n  }\n\n // The renderer interface can't read saved component filters directly,\n // because they
are stored in localStorage within the context of the extension.\n // Instead it relies on the extension to pass filters
through.\n if (window.__REACT_DEVTOOLS_COMPONENT_FILTERS__ != null) {\n  applyComponentFilters(window.__REACT_DEVTOOLS_COMPONENT_FILTERS__); } else {\n  //
Unfortunately this feature is not expected to work for React Native for now.\n  // It would be annoying for us to
spam YellowBox warnings with unactionable stuff,\n  // so for now just skip this message...\n  //console.warn('
DevTools: Could not locate saved component filters');\n  // Fallback to assuming the default filters in this case.\n
applyComponentFilters(getDefaultComponentFilters()); } }\n\n // If necessary, we can revisit optimizing this
operation.\n // For example, we could add a new recursive unmount tree operation.\n // The unmount operations are
already significantly smaller than mount operations though.\n // This is something to keep in mind for later.\n
function updateComponentFilters(componentFilters: Array<ComponentFilter>) {\n  if (isProfiling) {\n  // Re-
mounting a tree while profiling is in progress might break a lot of assumptions.\n  // If necessary, we could
support this- but it doesn't seem like a necessary use case.\n    throw Error('Cannot modify filter preferences while
profiling');\n  }\n\n  // Recursively unmount all roots.\n  hook.getFiberRoots(rendererID).forEach(root => {\n
currentRootID = getOrGenerateFiberID(root.current);\n  // The TREE_OPERATION_REMOVE_ROOT
operation serves two purposes:\n  // 1. It avoids sending unnecessary bridge traffic to clear a root.\n  // 2. It
preserves Fiber IDs when remounting (below) which in turn ID to error/warning mapping.\n
pushOperation(TREE_OPERATION_REMOVE_ROOT);\n  flushPendingEvents(root);\n  currentRootID = -
1;\n  });\n  applyComponentFilters(componentFilters);\n\n  // Reset pseudo counters so that new path
selections will be persisted.\n  rootDisplayNameCounter.clear();\n  // Recursively re-mount all roots with new
filter criteria applied.\n  hook.getFiberRoots(rendererID).forEach(root => {\n  currentRootID =

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getOrGenerateFiberID(root.current);\n    setRootPseudoKey(currentRootID, root.current);\n    mountFiberRecursively(root.current, null, false, false);\n    flushPendingEvents(root);\n    currentRootID = -1;\n  });\n\n  // Also re-evaluate all error and warning counts given the new filters.\n  reevaluateErrorsAndWarnings();\n  flushPendingEvents();\n} }\n\n// NOTICE Keep in sync with get*ForFiber methods\nfunction shouldFilterFiber(fiber: Fiber): boolean {\n  const { _debugSource, tag, type, key } = fiber;\n  switch (tag) {\n    case DehydratedSuspenseComponent:\n      // TODO: ideally we would show dehydrated Suspense immediately.\n      // However, it has some special behavior (like disconnecting\n      // an alternate and turning into real Suspense) which breaks DevTools.\n      // For now, ignore it, and only show it once it gets hydrated.\n      // https://github.com/bvaughn/react-devtools-experimental/issues/197\n      return true;\n    case HostPortal:\n    case HostText:\n    case LegacyHiddenComponent:\n    case OffscreenComponent:\n      return true;\n    case HostRoot:\n      // It is never valid to filter the root element.\n      return false;\n    case Fragment:\n      return key === null;\n    default:\n      const typeSymbol = getTypeSymbol(type);\n      switch (typeSymbol) {\n        case CONCURRENT_MODE_NUMBER:\n        case CONCURRENT_MODE_SYMBOL_STRING:\n        case DEPRECATED_ASYNC_MODE_SYMBOL_STRING:\n        case STRICT_MODE_NUMBER:\n        case STRICT_MODE_SYMBOL_STRING:\n          return true;\n        default:\n          break;\n      }\n  }\n\n  const elementType = getElementTypeForFiber(fiber);\n  if (hideElementsWithTypes.has(elementType)) {\n    return true;\n  }\n\n  if (hideElementsWithDisplayNames.size > 0) {\n    const displayName = getDisplayNameForFiber(fiber);\n    if (displayName !== null) {\n      // eslint-disable-next-line no-for-of-loops/no-for-of-loops\n      for (const displayNameRegExp of hideElementsWithDisplayNames) {\n        if (displayNameRegExp.test(displayName)) {\n          return true;\n        }\n      }\n    }\n\n    if (_debugSource !== null && hideElementsWithPaths.size > 0) {\n      const { fileName } = _debugSource;\n      // eslint-disable-next-line no-for-of-loops/no-for-of-loops\n      for (const pathRegExp of hideElementsWithPaths) {\n        if (pathRegExp.test(fileName)) {\n          return true;\n        }\n      }\n    }\n\n    return false;\n  }\n\n  // NOTICE Keep in sync with shouldFilterFiber() and other get*ForFiber methods\n  function getElementTypeForFiber(fiber: Fiber): ElementType {\n    const { type, tag } = fiber;\n    switch (tag) {\n      case ClassComponent:\n      case IncompleteClassComponent:\n        return ElementTypeClass;\n      case FunctionComponent:\n      case IndeterminateComponent:\n        return ElementTypeFunction;\n      case ForwardRef:\n        return ElementTypeForwardRef;\n      case HostRoot:\n        return ElementTypeRoot;\n      case HostComponent:\n      case HostHoistable:\n      case HostSingleton:\n        return ElementTypeHostComponent;\n      case HostPortal:\n      case HostText:\n      case Fragment:\n        return ElementTypeOtherOrUnknown;\n      case MemoComponent:\n      case SimpleMemoComponent:\n        return ElementTypeMemo;\n      case SuspenseComponent:\n        return ElementTypeSuspense;\n      case SuspenseListComponent:\n        return ElementTypeSuspenseList;\n      case TracingMarkerComponent:\n        return ElementTypeTracingMarker;\n      default:\n        const typeSymbol = getTypeSymbol(type);\n        switch (typeSymbol) {\n          case CONCURRENT_MODE_NUMBER:\n          case CONCURRENT_MODE_SYMBOL_STRING:\n          case DEPRECATED_ASYNC_MODE_SYMBOL_STRING:\n            return ElementTypeOtherOrUnknown;\n          case PROVIDER_NUMBER:\n          case PROVIDER_SYMBOL_STRING:\n            return ElementTypeContext;\n          case CONTEXT_NUMBER:\n          case CONTEXT_SYMBOL_STRING:\n            return ElementTypeContext;\n          case STRICT_MODE_NUMBER:\n          case STRICT_MODE_SYMBOL_STRING:\n            return ElementTypeOtherOrUnknown;\n          case PROFILER_NUMBER:\n          case PROFILER_SYMBOL_STRING:\n            return ElementTypeProfiler;\n          default:\n            return ElementTypeOtherOrUnknown;\n        }\n    }\n  }\n\n  // When profiling is supported, we store the latest tree base durations for each Fiber.\n  // This is so that we can quickly capture a snapshot of those values if profiling starts.\n  // If we didn't store these values, we'd have to crawl the tree when profiling started,\n  // and use a slow path to find each of the current Fibers.\n  const idToTreeBaseDurationMap: Map<number, number> = new Map();\n\n  // When profiling is supported, we store the latest tree base durations for each Fiber.\n  // This map enables us to filter these times by root when sending them to the frontend.\n  const idToRootMap:

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Map<number, number> = new Map();\n\n // When a mount or update is in progress, this value tracks the root that is
being operated on.\n let currentRootID: number = -1;\n\n // Returns the unique ID for a Fiber or generates and
caches a new one if the Fiber hasn't been seen before.\n // Once this method has been called for a Fiber,
untrackFiberID() should always be called later to avoid leaking.\n function getOrGenerateFiberID(fiber: Fiber):
number {\n let id = null;\n if (fiberToIDMap.has(fiber)) {\n id = fiberToIDMap.get(fiber);\n } else {\n
const {alternate} = fiber;\n if (alternate !== null && fiberToIDMap.has(alternate)) {\n id =
fiberToIDMap.get(alternate);\n }\n }\n\n let didGenerateID = false;\n if (id === null) {\n didGenerateID
= true;\n id = getUID();\n }\n\n // This refinement is for Flow purposes only.\n const refinedID = ((id: any):
number);\n\n // Make sure we're tracking this Fiber\n // e.g. if it just mounted or an error was logged during
initial render.\n if (!fiberToIDMap.has(fiber)) {\n fiberToIDMap.set(fiber, refinedID);\n
idToArbitraryFiberMap.set(refinedID, fiber);\n }\n\n // Also make sure we're tracking its alternate,\n // e.g. in
case this is the first update after mount.\n const {alternate} = fiber;\n if (alternate !== null) {\n if
(!fiberToIDMap.has(alternate)) {\n fiberToIDMap.set(alternate, refinedID);\n }\n }\n\n if (__DEBUG__)
{\n if (didGenerateID) {\n debug(\n 'getOrGenerateFiberID()',\n fiber,\n fiber.return,\n
'Generated a new UID',\n );\n }\n }\n\n return refinedID;\n }\n\n // Returns an ID if one has already
been generated for the Fiber or throws.\n function getFiberIDThrows(fiber: Fiber): number {\n const maybeID =
getFiberIDUnsafe(fiber);\n if (maybeID !== null) {\n return maybeID;\n }\n throw Error(\n `Could not
find ID for Fiber "${getDisplayNamesForFiber(fiber) || ""}"`);\n }\n\n // Returns an ID if one has already been
generated for the Fiber or null if one has not been generated.\n // Use this method while e.g. logging to avoid over-
retaining Fibers.\n function getFiberIDUnsafe(fiber: Fiber): number | null {\n if (fiberToIDMap.has(fiber)) {\n
return ((fiberToIDMap.get(fiber): any): number);\n } else {\n const {alternate} = fiber;\n if (alternate !==
null && fiberToIDMap.has(alternate)) {\n return ((fiberToIDMap.get(alternate): any): number);\n }\n }\n
}\n\n return null;\n }\n\n // Removes a Fiber (and its alternate) from the Maps used to track their id.\n // This method
should always be called when a Fiber is unmounting.\n function untrackFiberID(fiber: Fiber) {\n if
(__DEBUG__) {\n debug('untrackFiberID()', fiber, fiber.return, 'schedule after delay');\n }\n\n // Untrack
Fibers after a slight delay in order to support a Fast Refresh edge case:\n // 1. Component type is updated and Fast
Refresh schedules an update+remount.\n // 2. flushPendingErrorsAndWarningsAfterDelay() runs, sees the old
Fiber is no longer mounted\n // (it's been disconnected by Fast Refresh), and calls untrackFiberID() to clear it
from the Map.\n // 3. React flushes pending passive effects before it runs the next render,\n // which logs an
error or warning, which causes a new ID to be generated for this Fiber.\n // 4. DevTools now tries to unmount the
old Component with the new ID.\n //\n // The underlying problem here is the premature clearing of the Fiber
ID,\n // but DevTools has no way to detect that a given Fiber has been scheduled for Fast Refresh.\n // (The
`_debugNeedsRemount` flag won't necessarily be set.)\n //\n // The best we can do is to delay untracking by a
small amount,\n // and give React time to process the Fast Refresh delay.\n\n untrackFibersSet.add(fiber);\n\n
// React may detach alternate pointers during unmount;\n // Since our untracking code is async, we should
explicitly track the pending alternate here as well.\n const alternate = fiber.alternate;\n if (alternate !== null) {\n
untrackFibersSet.add(alternate);\n }\n\n if (untrackFibersTimeoutID === null) {\n untrackFibersTimeoutID
= setTimeout(untrackFibers, 1000);\n }\n }\n\n const untrackFibersSet: Set<Fiber> = new Set();\n let
untrackFibersTimeoutID: TimeoutID | null = null;\n\n function untrackFibers() {\n if (untrackFibersTimeoutID
!== null) {\n clearTimeout(untrackFibersTimeoutID);\n untrackFibersTimeoutID = null;\n }\n\n
untrackFibersSet.forEach(fiber => {\n const fiberID = getFiberIDUnsafe(fiber);\n if (fiberID !== null) {\n
idToArbitraryFiberMap.delete(fiberID);\n\n // Also clear any errors/warnings associated with this fiber.\n
clearErrorsForFiberID(fiberID);\n clearWarningsForFiberID(fiberID);\n }\n\n
fiberToIDMap.delete(fiber);\n\n const {alternate} = fiber;\n if (alternate !== null) {\n
fiberToIDMap.delete(alternate);\n }\n\n if (forceErrorForFiberIDs.has(fiberID)) {\n
forceErrorForFiberIDs.delete(fiberID);\n if (forceErrorForFiberIDs.size === 0 && setErrorHandler != null) {\n
setErrorHandler(shouldErrorFiberAlwaysNull);\n }\n }\n }\n\n untrackFibersSet.clear();\n }\n\n
function getChangeDescription(\n prevFiber: Fiber | null,\n nextFiber: Fiber,\n ): ChangeDescription | null {\n

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switch (getElementTypeForFiber(nextFiber)) {\n  case ElementTypeClass:\n  case ElementTypeFunction:\n  case ElementTypeMemo:\n  case ElementTypeForwardRef:\n    if (prevFiber === null) {\n      return {\n        context: null,\n        didHooksChange: false,\n        isFirstMount: true,\n        props: null,\n        state: null,\n      };\n    } else {\n      const data: ChangeDescription = {\n        context: getContextChangedKeys(nextFiber),\n        didHooksChange: false,\n        isFirstMount: false,\n        props: getChangedKeys(\n          prevFiber.memoizedProps,\n          nextFiber.memoizedProps,\n        ),\n        state: getChangedKeys(\n          prevFiber.memoizedState,\n          nextFiber.memoizedState,\n        ),\n      };\n\n      // Only traverse the hooks list once, depending on what info we're returning.\n      const indices = getChangedHooksIndices(\n        prevFiber.memoizedState,\n        nextFiber.memoizedState,\n      );\n      data.hooks = indices;\n      data.didHooksChange = indices !== null && indices.length > 0;\n\n      return data;\n    }\n  }\n  default:\n    return null;\n  }\n}\n\nfunction updateContextsForFiber(fiber: Fiber) {\n  switch (getElementTypeForFiber(fiber)) {\n    case ElementTypeClass:\n    case ElementTypeForwardRef:\n    case ElementTypeFunction:\n    case ElementTypeMemo:\n      if (idToContextsMap !== null) {\n        const id = getFiberIDThrows(fiber);\n        const contexts = getContextsForFiber(fiber);\n        if (contexts !== null) {\n          // $FlowFixMe[incompatible-use] found when upgrading Flow\n          idToContextsMap.set(id, contexts);\n        }\n      }\n      break;\n    default:\n      break;\n  }\n}\n\n// Differentiates between a null context value and no context.\nconst NO_CONTEXT = {};\n\nfunction getContextsForFiber(fiber: Fiber): [Object, any] | null {\n  let legacyContext = NO_CONTEXT;\n  let modernContext = NO_CONTEXT;\n\n  switch (getElementTypeForFiber(fiber)) {\n    case ElementTypeClass:\n      const instance = fiber.stateNode;\n      if (instance != null) {\n        if (\n          instance.constructor &&\n          instance.constructor.contextType != null\n        ) {\n          modernContext = instance.context;\n        } else {\n          legacyContext = instance.context;\n        }\n        if (legacyContext && Object.keys(legacyContext).length === 0) {\n          legacyContext = NO_CONTEXT;\n        }\n      }\n      return [legacyContext, modernContext];\n    case ElementTypeForwardRef:\n    case ElementTypeFunction:\n    case ElementTypeMemo:\n      const dependencies = fiber.dependencies;\n      if (dependencies && dependencies.firstContext) {\n        modernContext = dependencies.firstContext;\n      }\n      return [legacyContext, modernContext];\n    default:\n      return null;\n  }\n}\n\n// Record all contexts at the time profiling is started.\n// Fibers only store the current context value,\n// so we need to track them separately in order to determine changed keys.\nfunction crawlToInitializeContextsMap(fiber: Fiber) {\n  const id = getFiberIDUnsafe(fiber);\n  // Not all Fibers in the subtree have mounted yet.\n  // For example, Offscreen (hidden) or Suspense (suspended) subtrees won't yet be tracked.\n  // We can safely skip these subtrees.\n  if (id !== null) {\n    updateContextsForFiber(fiber);\n    let current = fiber.child;\n    while (current !== null) {\n      crawlToInitializeContextsMap(current);\n      current = current.sibling;\n    }\n  }\n}\n\nfunction getContextChangedKeys(fiber: Fiber): null | boolean | Array<string> {\n  if (idToContextsMap !== null) {\n    const id = getFiberIDThrows(fiber);\n    // $FlowFixMe[incompatible-use] found when upgrading Flow\n    const prevContexts = idToContextsMap.has(id)\n      ? idToContextsMap.get(id)\n      : null;\n    const nextContexts = getContextsForFiber(fiber);\n\n    if (prevContexts == null || nextContexts == null) {\n      return null;\n    }\n\n    const [prevLegacyContext, prevModernContext] = prevContexts;\n    const [nextLegacyContext, nextModernContext] = nextContexts;\n\n    switch (getElementTypeForFiber(fiber)) {\n      case ElementTypeClass:\n        if (prevContexts && nextContexts) {\n          if (nextLegacyContext !== NO_CONTEXT) {\n            return\n              getChangedKeys(prevLegacyContext, nextLegacyContext);\n          } else if (nextModernContext !== NO_CONTEXT) {\n            return prevModernContext !== nextModernContext;\n          }\n        }\n      case ElementTypeForwardRef:\n      case ElementTypeFunction:\n      case ElementTypeMemo:\n        if (nextModernContext !== NO_CONTEXT) {\n          let prevContext = prevModernContext;\n          let nextContext = nextModernContext;\n\n          while (prevContext && nextContext) {\n            // Note this only works for versions of React that support this key (e.v. 18+)\n            // For older versions, there's no good way to read the current context value after render has completed.\n            // This is because React maintains a stack of context values during render,\n            // but by the time DevTools is called, render has finished and the stack is

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empty.\n      if (!is(prevContext.memoizedValue, nextContext.memoizedValue)) {\n          return true;\n      }\n      prevContext = prevContext.next;\n      nextContext = nextContext.next;\n  }\n  return false;\n  }\n  break;\n  default:\n  break;\n  }\n  }\n  return null;\n  }\n  function\n  isHookThatCanScheduleUpdate(hookObject: any) {\n    const queue = hookObject.queue;\n    if (!queue) {\n      return false;\n    }\n    const boundHasOwnProperty = hasOwnProperty.bind(queue);\n    // Detect the shape of\n    useState() or useReducer()\n    // using the attributes that are unique to these hooks\n    // but also stable (e.g. not tied\n    to current Lanes implementation)\n    const isStateOrReducer =\n      boundHasOwnProperty('pending') &&\n      boundHasOwnProperty('dispatch') &&\n      typeof queue.dispatch === 'function';\n    // Detect\n    useSyncExternalStore()\n    const isSyncExternalStore =\n      boundHasOwnProperty('value') &&\n      boundHasOwnProperty('getSnapshot') &&\n      typeof queue.getSnapshot === 'function';\n    // These are the only\n    types of hooks that can schedule an update.\n    return isStateOrReducer || isSyncExternalStore;\n  }\n  function\n  didStatefulHookChange(prev: any, next: any): boolean {\n    const prevMemoizedState = prev.memoizedState;\n    const nextMemoizedState = next.memoizedState;\n    if (isHookThatCanScheduleUpdate(prev)) {\n      return\n      prevMemoizedState !== nextMemoizedState;\n    }\n    return false;\n  }\n  function\n  getChangedHooksIndices(prev: any, next: any): null | Array<number> {\n    if (prev === null || next === null) {\n      return null;\n    }\n    const indices = [];\n    let index = 0;\n    if (\n      next.hasOwnProperty('baseState') &&\n      next.hasOwnProperty('memoizedState') &&\n      next.hasOwnProperty('next') &&\n      next.hasOwnProperty('queue')\n    ) {\n      while (next !== null) {\n        if (didStatefulHookChange(prev, next)) {\n          indices.push(index);\n        }\n        next = next.next;\n        prev = prev.next;\n        index++;\n      }\n    }\n    return indices;\n  }\n  function getChangedKeys(prev: any, next: any): null | Array<string> {\n    if (prev === null ||\n    next === null) {\n      return null;\n    }\n    // We can't report anything meaningful for hooks changes.\n    if (\n      next.hasOwnProperty('baseState') &&\n      next.hasOwnProperty('memoizedState') &&\n      next.hasOwnProperty('next') &&\n      next.hasOwnProperty('queue')\n    ) {\n      return null;\n    }\n    const keys\n    = new Set([...Object.keys(prev), ...Object.keys(next)]);\n    const changedKeys = [];\n    // eslint-disable-next-line\n    no-for-of-loops/no-for-of-loops\n    for (const key of keys) {\n      if (prev[key] !== next[key]) {\n        changedKeys.push(key);\n      }\n    }\n    return changedKeys;\n  }\n  // eslint-disable-next-line no-unused-\n  vars\n  function didFiberRender(prevFiber: Fiber, nextFiber: Fiber): boolean {\n    switch (nextFiber.tag) {\n      case\n      ClassComponent:\n      case\n      FunctionComponent:\n      case\n      ContextConsumer:\n      case\n      MemoComponent:\n      case\n      SimpleMemoComponent:\n      case\n      ForwardRef:\n        // For types that execute user code, we check\n        PerformedWork effect.\n        // We don't reflect bailouts (either referential or sCU) in DevTools.\n        // TODO:\n        This flag is a leaked implementation detail. Once we start\n        // releasing DevTools in lockstep with React, we\n        should import a\n        // function from the reconciler instead.\n        const PerformedWork =\n        0b00000000000000000000000000000001;\n        return (getFiberFlags(nextFiber) & PerformedWork) ===\n        PerformedWork;\n        // Note: ContextConsumer only gets PerformedWork effect in 16.3.3+\n        // so it won't get\n        highlighted with React 16.3.0 to 16.3.2.\n        default:\n        // For host components and other types, we compare\n        inputs\n        // to determine whether something is an update.\n        return (\n          prevFiber.memoizedProps !==\n          nextFiber.memoizedProps ||\n          prevFiber.memoizedState !== nextFiber.memoizedState ||\n          prevFiber.ref\n          !== nextFiber.ref\n        );\n    }\n    type OperationsArray = Array<number>;\n    type StringTableEntry = {\n      encodedString: Array<number>,\n      id: number,\n    };\n    const pendingOperations: OperationsArray = [];\n    const\n    pendingRealUnmountedIDs: Array<number> = [];\n    const\n    pendingSimulatedUnmountedIDs: Array<number> =\n    [];\n    let\n    pendingOperationsQueue: Array<OperationsArray> | null = [];\n    const\n    pendingStringTable: Map<string,\n    StringTableEntry> = new Map();\n    let\n    pendingStringTableLength: number = 0;\n    let\n    pendingUnmountedRootID:\n    number | null = null;\n    function\n    pushOperation(op: number): void {\n      if (__DEV__) {\n        if\n        (!Number.isInteger(op)) {\n          console.error(\n            'pushOperation() was called but the value is not an integer.',\n            op,\n          );\n        }\n        pendingOperations.push(op);\n      }\n    }\n    function\n    shouldBailoutWithPendingOperations() {\n      if (isProfiling) {\n        if (\n          currentCommitProfilingMetadata !==\n          null &&\n          currentCommitProfilingMetadata.durations.length > 0\n        ) {\n          return false;\n        }\n      }\n      return (\n        pendingOperations.length === 0 &&\n        pendingRealUnmountedIDs.length === 0 &&\n
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pendingSimulatedUnmountedIDs.length === 0 &&\n    pendingUnmountedRootID === null\n  );\n }\n\nfunction flushOrQueueOperations(operations: OperationsArray): void {\n  if\n  (shouldBailoutWithPendingOperations()) {\n    return;\n  }\n\n  if (pendingOperationsQueue !== null) {\n    pendingOperationsQueue.push(operations);\n  } else {\n    hook.emit('operations', operations);\n  }\n\n  let\n  flushPendingErrorsAndWarningsAfterDelayTimeoutID: null | TimeoutID = null;\n\n  function\n  clearPendingErrorsAndWarningsAfterDelay() {\n    if (flushPendingErrorsAndWarningsAfterDelayTimeoutID !==\n    null) {\n      clearTimeout(flushPendingErrorsAndWarningsAfterDelayTimeoutID);\n    }\n\n    flushPendingErrorsAndWarningsAfterDelayTimeoutID = null;\n  }\n\n  function\n  flushPendingErrorsAndWarningsAfterDelay() {\n    clearPendingErrorsAndWarningsAfterDelay();\n\n    flushPendingErrorsAndWarningsAfterDelayTimeoutID = setTimeout(() => {\n\n      flushPendingErrorsAndWarningsAfterDelayTimeoutID = null;\n\n      if (pendingOperations.length > 0) {\n        //\n        On the off chance that something else has pushed pending operations,\n        // we should bail on warnings; it's\n        probably not safe to push midway.\n        return;\n      }\n\n      recordPendingErrorsAndWarnings();\n\n      if\n      (shouldBailoutWithPendingOperations()) {\n        // No warnings or errors to flush; we can bail out early here too.\n        return;\n      }\n\n      // We can create a smaller operations array than flushPendingEvents()\n      // because we\n      only need to flush warning and error counts.\n      // Only a few pieces of fixed information are required up front.\n      const operations: OperationsArray = new Array(\n        3 + pendingOperations.length,\n        );\n      operations[0] =\n      rendererID;\n      operations[1] = currentRootID;\n      operations[2] = 0; // String table size\n      for (let j = 0; j <\n      pendingOperations.length; j++) {\n        operations[3 + j] = pendingOperations[j];\n      }\n\n      flushOrQueueOperations(operations);\n\n      pendingOperations.length = 0;\n    }, 1000);\n  }\n\n  function\n  reevaluateErrorsAndWarnings() {\n    fibersWithChangedErrorOrWarningCounts.clear();\n\n    fiberIDToErrorsMap.forEach((countMap, fiberID) => {\n      const fiber = idToArbitraryFiberMap.get(fiberID);\n      if (fiber !== null) {\n        fibersWithChangedErrorOrWarningCounts.add(fiber);\n      }\n    });\n\n    fiberIDToWarningsMap.forEach((countMap, fiberID) => {\n      const fiber =\n      idToArbitraryFiberMap.get(fiberID);\n      if (fiber !== null) {\n        fibersWithChangedErrorOrWarningCounts.add(fiber);\n      }\n    });\n\n    recordPendingErrorsAndWarnings();\n  }\n\n  function mergeMapsAndGetCountHelper(\n    fiber: Fiber,\n    fiberID: number,\n    pendingFiberToMessageCountMap: Map<Fiber, Map<string, number>>,\n    fiberIDToMessageCountMap:\n    Map<number, Map<string, number>>,\n  ): number {\n    let newCount = 0;\n    let messageCountMap =\n    fiberIDToMessageCountMap.get(fiberID);\n\n    const pendingMessageCountMap =\n    pendingFiberToMessageCountMap.get(fiber);\n\n    if (pendingMessageCountMap !== null) {\n      if\n      (messageCountMap === null) {\n        messageCountMap = pendingMessageCountMap;\n      }\n\n      fiberIDToMessageCountMap.set(fiberID, pendingMessageCountMap);\n    } else {\n      // This Flow refinement\n      should not be necessary and yet...\n      const refinedMessageCountMap = ((messageCountMap: any): Map<\n      string,\n      number,\n      >);\n\n      pendingMessageCountMap.forEach((pendingCount, message) => {\n        const previousCount = refinedMessageCountMap.get(message) || 0;\n        refinedMessageCountMap.set(message,\n        previousCount + pendingCount);\n      });\n    }\n\n    if (!shouldFilterFiber(fiber)) {\n      if\n      (messageCountMap !== null) {\n        messageCountMap.forEach(count => {\n          newCount += count;\n        });\n      }\n\n      pendingFiberToMessageCountMap.delete(fiber);\n\n      return newCount;\n    }\n\n    function\n    recordPendingErrorsAndWarnings() {\n      clearPendingErrorsAndWarningsAfterDelay();\n\n      fibersWithChangedErrorOrWarningCounts.forEach(fiber => {\n        const fiberID = getFiberIDUnsafe(fiber);\n        if\n        (fiberID === null) {\n          // Don't send updates for Fibers that didn't mount due to e.g. Suspense or an error\n          boundary.\n        } else {\n          const errorCount = mergeMapsAndGetCountHelper(\n            fiber,\n            fiberID,\n            pendingFiberToErrorsMap,\n            fiberIDToErrorsMap,\n          );\n          const warningCount =\n          mergeMapsAndGetCountHelper(\n            fiber,\n            fiberID,\n            pendingFiberToWarningsMap,\n            fiberIDToWarningsMap,\n          );\n\n          pushOperation(TREE_OPERATION_UPDATE_ERRORS_OR_WARNINGS);\n          pushOperation(fiberID);\n          pushOperation(errorCount);\n          pushOperation(warningCount);\n        }\n      });\n\n      // Always clean up so that we don't

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leak.\n pendingFiberToErrorsMap.delete(fiber);\n pendingFiberToWarningsMap.delete(fiber);\n });\n
fibersWithChangedErrorOrWarningCounts.clear();\n }\n\n function flushPendingEvents(root: Object): void {\n //
Add any pending errors and warnings to the operations array.\n // We do this just before flushing, so we can ignore
errors for no-longer-mounted Fibers.\n recordPendingErrorsAndWarnings();\n\n if
(shouldBailoutWithPendingOperations()) {\n // If we aren't profiling, we can just bail out here.\n // No use
sending an empty update over the bridge.\n //\n // The Profiler stores metadata for each commit and
reconstructs the app tree per commit using:\n // (1) an initial tree snapshot and\n // (2) the operations array for
each commit\n // Because of this, it's important that the operations and metadata arrays align,\n // So it's
important not to omit even empty operations while profiling is active.\n return;\n }\n\n const
numUnmountIDs =\n pendingRealUnmountedIDs.length +\n pendingSimulatedUnmountedIDs.length +\n
(pendingUnmountedRootID === null ? 0 : 1);\n\n const operations = new Array<number>(\n // Identify which
renderer this update is coming from.\n 2 + // [rendererID, rootFiberID]\n // How big is the string table?\n
1 + // [stringTableLength]\n // Then goes the actual string table.\n pendingStringTableLength +\n // All
unmounts are batched in a single message.\n // [TREE_OPERATION_REMOVE, removedIDLength, ...ids]\n
(numUnmountIDs > 0 ? 2 + numUnmountIDs : 0) +\n // Regular operations\n pendingOperations.length,\n
);\n\n // Identify which renderer this update is coming from.\n // This enables roots to be mapped to renderers,\n
// Which in turn enables fiber props, states, and hooks to be inspected.\n let i = 0;\n operations[i++] =
rendererID;\n operations[i++] = currentRootID;\n\n // Now fill in the string table.\n // [stringTableLength,
str1Length, ...str1, str2Length, ...str2, ...]\n operations[i++] = pendingStringTableLength;\n
pendingStringTable.forEach((entry, stringKey) => {\n const encodedString = entry.encodedString;\n\n //
Don't use the string length.\n // It won't work for multibyte characters (like emoji).\n const length =
encodedString.length;\n\n operations[i++] = length;\n for (let j = 0; j < length; j++) {\n operations[i + j] =
encodedString[j];\n }\n\n i += length;\n });\n\n if (numUnmountIDs > 0) {\n // All unmounts except
roots are batched in a single message.\n operations[i++] = TREE_OPERATION_REMOVE;\n // The first
number is how many unmounted IDs we're gonna send.\n operations[i++] = numUnmountIDs;\n // Fill in the
real unmounts in the reverse order.\n // They were inserted parents-first by React, but we want children-first.\n
// So we traverse our array backwards.\n for (let j = pendingRealUnmountedIDs.length - 1; j >= 0; j--) {\n
operations[i++] = pendingRealUnmountedIDs[j];\n }\n // Fill in the simulated unmounts (hidden Suspense
subtrees) in their order.\n // (We want children to go before parents.)\n // They go *after* the real unmounts
because we know for sure they won't be\n // children of already pushed \"real\" IDs. If they were, we wouldn't be
able\n // to discover them during the traversal, as they would have been deleted.\n for (let j = 0; j <
pendingSimulatedUnmountedIDs.length; j++) {\n operations[i + j] = pendingSimulatedUnmountedIDs[j];\n
}\n\n i += pendingSimulatedUnmountedIDs.length;\n // The root ID should always be unmounted last.\n if
(pendingUnmountedRootID !== null) {\n operations[i] = pendingUnmountedRootID;\n i++; }\n\n // Fill in the rest of the operations.\n for (let j = 0; j < pendingOperations.length; j++) {\n operations[i + j] =
pendingOperations[j];\n }\n\n i += pendingOperations.length;\n\n // Let the frontend know about tree
operations.\n flushOrQueueOperations(operations);\n\n // Reset all of the pending state now that we've told the
frontend about it.\n pendingOperations.length = 0;\n pendingRealUnmountedIDs.length = 0;\n
pendingSimulatedUnmountedIDs.length = 0;\n pendingUnmountedRootID = null;\n
pendingStringTable.clear();\n pendingStringTableLength = 0;\n }\n\n function getStringID(string: string | null):
number {\n if (string === null) {\n return 0;\n }\n\n const existingEntry = pendingStringTable.get(string);\n
if (existingEntry !== undefined) {\n return existingEntry.id;\n }\n\n const id = pendingStringTable.size + 1;\n
const encodedString = utfEncodeString(string);\n\n pendingStringTable.set(string, {\n encodedString,\n
id,\n });\n\n // The string table total length needs to account both for the string length,\n // and for the array
item that contains the length itself.\n //\n // Don't use string length for this table.\n // It won't work for multibyte
characters (like emoji).\n pendingStringTableLength += encodedString.length + 1;\n\n return id;\n }\n\n
function recordMount(fiber: Fiber, parentFiber: Fiber | null) {\n const isRoot = fiber.tag === HostRoot;\n const
id = getOrGenerateFiberID(fiber);\n\n if (__DEBUG__) {\n debug('recordMount()', fiber, parentFiber);\n
}

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}\n\n  const hasOwnerMetadata = fiber.hasOwnProperty('_debugOwner');\n  const isProfilingSupported =
fiber.hasOwnProperty('treeBaseDuration');\n\n  // Adding a new field here would require a bridge protocol version
bump (a backwards breaking change).\n  // Instead let's re-purpose a pre-existing field to carry more information.\n  let profilingFlags = 0;\n  if (isProfilingSupported) {\n    profilingFlags =
PROFILING_FLAG_BASIC_SUPPORT;\n    if (typeof injectProfilingHooks === 'function') {\n
profilingFlags |= PROFILING_FLAG_TIMELINE_SUPPORT;\n    }\n  }\n\n  if (isRoot) {\n
pushOperation(TREE_OPERATION_ADD);\n    pushOperation(id);\n    pushOperation(ElementTypeRoot);\n
pushOperation((fiber.mode & StrictModeBits) !== 0 ? 1 : 0);\n    pushOperation(profilingFlags);\n
pushOperation(StrictModeBits !== 0 ? 1 : 0);\n    pushOperation(hasOwnerMetadata ? 1 : 0);\n\n    if (isProfiling)
{\n      if (displayNamesByRootID !== null) {\n        displayNamesByRootID.set(id,
getDisplayNamesForRoot(fiber));\n      }\n    } else {\n      const {key} = fiber;\n      const displayName =
getDisplayNamesForFiber(fiber);\n      const elementType = getElementTypesForFiber(fiber);\n      const
{_debugOwner} = fiber;\n\n      // Ideally we should call getFiberIDThrows() for _debugOwner,\n      // since owners
are almost always higher in the tree (and so have already been processed),\n      // but in some (rare) instances
reported in open source, a descendant mounts before an owner.\n      // Since this is a DEV only field it's probably
okay to also just lazily generate and ID here if needed.\n      // See https://github.com/facebook/react/issues/21445\n
      const ownerId =\n        _debugOwner !== null ? getOrGenerateFiberID(_debugOwner) : 0;\n      const parentId =
parentFiber ? getFiberIDThrows(parentFiber) : 0;\n\n      const displayNameStringID =
getStringID(displayName);\n\n      // This check is a guard to handle a React element that has been modified\n      //
in such a way as to bypass the default stringification of the \"key\" property.\n      const keyString = key === null ?
null : String(key);\n      const keyStringID = getStringID(keyString);\n\n      pushOperation(TREE_OPERATION_ADD);\n
      pushOperation(id);\n      pushOperation(elementType);\n
      pushOperation(parentID);\n      pushOperation(ownerID);\n      pushOperation(displayNameStringID);\n
      pushOperation(keyStringID);\n\n      // If this subtree has a new mode, let the frontend know.\n      if (\n
(fiber.mode & StrictModeBits) !== 0 &&\n        (((parentFiber: any): Fiber).mode & StrictModeBits) === 0\n      )
{\n        pushOperation(TREE_OPERATION_SET_SUBTREE_MODE);\n        pushOperation(id);\n
        pushOperation(StrictMode);\n      }\n    }\n\n    if (isProfilingSupported) {\n      idToRootMap.set(id,
currentRootID);\n\n      recordProfilingDurations(fiber);\n    }\n  }\n\n  function recordUnmount(fiber: Fiber,
isSimulated: boolean) {\n    if (__DEV__) {\n      debug(\n        'recordUnmount()',\n        fiber,\n        null,\n
isSimulated ? 'unmount is simulated' : '',\n      );\n    }\n\n    if (trackedPathMatchFiber !== null) {\n      // We're in
the process of trying to restore previous selection.\n      // If this fiber matched but is being unmounted, there's no use
trying.\n      // Reset the state so we don't keep holding onto it.\n      if (\n        fiber === trackedPathMatchFiber ||\n
        fiber === trackedPathMatchFiber.alternate\n      ) {\n        setTrackedPath(null);\n      }\n    }\n\n    const unsafeID
= getFiberIDUnsafe(fiber);\n    if (unsafeID === null) {\n      // If we've never seen this Fiber, it might be inside of a
legacy render Suspense fragment (so the store is not even aware of it).\n      // In that case we can just ignore it or it
will cause errors later on.\n      // One example of this is a Lazy component that never resolves before being
unmounted.\n      //\n      // This also might indicate a Fast Refresh force-remount scenario.\n      //\n      // TODO:
This is fragile and can obscure actual bugs.\n      return;\n    }\n\n    // Flow refinement.\n    const id = ((unsafeID:
any): number);\n    const isRoot = fiber.tag === HostRoot;\n    if (isRoot) {\n      // Roots must be removed only after
all children (pending and simulated) have been removed.\n      // So we track it separately.\n      pendingUnmountedRootID = id;\n    } else if (!shouldFilterFiber(fiber)) {\n      // To maintain child-first ordering,\n
      // we'll push it into one of these queues,\n      // and later arrange them in the correct order.\n      if (isSimulated) {\n
        pendingSimulatedUnmountedIDs.push(id);\n      } else {\n        pendingRealUnmountedIDs.push(id);\n      }\n    }\n\n    if (!fiber._debugNeedsRemount) {\n      untrackFiberID(fiber);\n\n      const isProfilingSupported =
fiber.hasOwnProperty('treeBaseDuration');\n      if (isProfilingSupported) {\n        idToRootMap.delete(id);\n
        idToTreeBaseDurationMap.delete(id);\n      }\n    }\n  }\n\n  function mountFiberRecursively(\n    firstChild:
Fiber,\n    parentFiber: Fiber | null,\n    traverseSiblings: boolean,\n    traceNearestHostComponentUpdate:
boolean,\n  ) {\n    // Iterate over siblings rather than recursing.\n    // This reduces the chance of stack overflow for

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wide trees (e.g. lists with many items).\n  let fiber: Fiber | null = firstChild;\n  while (fiber !== null) {\n    //
Generate an ID even for filtered Fibers, in case it's needed later (e.g. for Profiling).\n
getOrGenerateFiberID(fiber);\n\n  if (__DEBUG__) {\n    debug('mountFiberRecursively()', fiber,
parentFiber);\n  }\n\n  // If we have the tree selection from previous reload, try to match this Fiber.\n  // Also
remember whether to do the same for siblings.\n  const mightSiblingsBeOnTrackedPath =\nupdateTrackedPathStateBeforeMount(fiber);\n  const shouldIncludeInTree = !shouldFilterFiber(fiber);\n  if
(shouldIncludeInTree) {\n    recordMount(fiber, parentFiber);\n  }\n\n  if (traceUpdatesEnabled) {\n    if
(traceNearestHostComponentUpdate) {\n      const elementType = getElementTypeInfo(fiber);\n      // If an
ancestor updated, we should mark the nearest host nodes for highlighting.\n      if (elementType ===
ElementTypeHostComponent) {\n        traceUpdatesForNodes.add(fiber.stateNode);\n
traceNearestHostComponentUpdate = false;\n      }\n    }\n\n    // We intentionally do not re-enable the
traceNearestHostComponentUpdate flag in this branch,\n    // because we don't want to highlight every host node
inside of a newly mounted subtree.\n  }\n\n  const isSuspense = fiber.tag ===
ReactTypeOfWork.SuspenseComponent;\n  if (isSuspense) {\n    const isTimedOut = fiber.memoizedState !==
null;\n    if (isTimedOut) {\n      // Special case: if Suspense mounts in a timed-out state,\n      // get the
fallback child from the inner fragment and mount\n      // it as if it was our own child. Updates handle this too.\n
const primaryChildFragment = fiber.child;\n      const fallbackChildFragment = primaryChildFragment\n
? primaryChildFragment.sibling\n      : null;\n      const fallbackChild = fallbackChildFragment\n
? fallbackChildFragment.child\n      : null;\n      if (fallbackChild !== null) {\n        mountFiberRecursively(\n
          fallbackChild,\n          shouldIncludeInTree ? fiber : parentFiber,\n          true,\n
          traceNearestHostComponentUpdate,\n        );\n      }\n    } else {\n      let primaryChild: Fiber | null =
null;\n      const areSuspenseChildrenConditionallyWrapped =\n        OffscreenComponent === -1;\n      if
(areSuspenseChildrenConditionallyWrapped) {\n        primaryChild = fiber.child;\n      } else if (fiber.child !==
null) {\n        primaryChild = fiber.child.child;\n      }\n      if (primaryChild !== null) {\n
mountFiberRecursively(\n        primaryChild,\n        shouldIncludeInTree ? fiber : parentFiber,\n
        true,\n        traceNearestHostComponentUpdate,\n      );\n    }\n  } else {\n    if (fiber.child
!== null) {\n      mountFiberRecursively(\n        fiber.child,\n        shouldIncludeInTree ? fiber :
parentFiber,\n        true,\n        traceNearestHostComponentUpdate,\n      );\n    }\n  }\n\n  // We're
exiting this Fiber now, and entering its siblings.\n  // If we have selection to restore, we might need to re-activate
tracking.\n  updateTrackedPathStateAfterMount(mightSiblingsBeOnTrackedPath);\n\n  fiber = traverseSiblings
? fiber.sibling : null;\n  }\n}\n\n// We use this to simulate unmounting for Suspense trees\n// when we switch
from primary to fallback.\nfunction unmountFiberChildrenRecursively(fiber: Fiber) {\n  if (__DEBUG__) {\n
debug('unmountFiberChildrenRecursively()', fiber);\n  }\n\n  // We might meet a nested Suspense on our way.\n
const isTimedOutSuspense =\n    fiber.tag === ReactTypeOfWork.SuspenseComponent &&\n    fiber.memoizedState !== null;\n\n  let child = fiber.child;\n  if (isTimedOutSuspense) {\n    // If it's showing
fallback tree, let's traverse it instead.\n    const primaryChildFragment = fiber.child;\n    const
fallbackChildFragment = primaryChildFragment\n      ? primaryChildFragment.sibling\n      : null;\n    // Skip
over to the real Fiber child.\n    child = fallbackChildFragment ? fallbackChildFragment.child : null;\n  }\n\n
while (child !== null) {\n    // Record simulated unmounts children-first.\n    // We skip nodes without return
because those are real unmounts.\n    if (child.return !== null) {\n      unmountFiberChildrenRecursively(child);\n
      recordUnmount(child, true);\n    }\n    child = child.sibling;\n  }\n}\n\nfunction
recordProfilingDurations(fiber: Fiber) {\n  const id = getFiberIDThrows(fiber);\n  const {actualDuration,
treeBaseDuration} = fiber;\n\n  idToTreeBaseDurationMap.set(id, treeBaseDuration || 0);\n\n  if (isProfiling) {\n
const {alternate} = fiber;\n\n    // It's important to update treeBaseDuration even if the current Fiber did not
render,\n    // because it's possible that one of its descendants did.\n    if (\n      alternate === null ||\n
treeBaseDuration !== alternate.treeBaseDuration\n    ) {\n      // Tree base duration updates are included in the
operations typed array.\n      // So we have to convert them from milliseconds to microseconds so we can send them
as ints.\n      const convertedTreeBaseDuration = Math.floor(\n        (treeBaseDuration || 0) * 1000,\n      );\n

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pushOperation(TREE_OPERATION_UPDATE_TREE_BASE_DURATION);\n    pushOperation(id);\n    pushOperation(convertedTreeBaseDuration);\n    }\n\n    if (alternate == null || didFiberRender(alternate, fiber))\n    {\n        if (actualDuration != null) {\n            // The actual duration reported by React includes time spent working on\n            children.\n            // This is useful information, but it's also useful to be able to exclude child durations.\n            // The\n            frontend can't compute this, since the immediate children may have been filtered out.\n            // So we need to do this\n            on the backend.\n            // Note that this calculated self duration is not the same thing as the base duration.\n            //\n            The two are calculated differently (tree duration does not accumulate).\n            let selfDuration = actualDuration;\n            let child = fiber.child;\n            while (child !== null) {\n                selfDuration -= child.actualDuration || 0;\n                child = child.sibling;\n            }\n            // If profiling is active, store durations for elements that were rendered\n            during the commit.\n            // Note that we should do this for any fiber we performed work on, regardless of its\n            actualDuration value.\n            // In some cases actualDuration might be 0 for fibers we worked on (particularly if\n            we're using Date.now)\n            // In other cases (e.g. Memo) actualDuration might be greater than 0 even if we\n            \"bailed out\".\n            const metadata =\n                ((currentCommitProfilingMetadata: any): CommitProfilingData);\n            metadata.durations.push(id, actualDuration, selfDuration);\n            metadata.maxActualDuration = Math.max(\n                metadata.maxActualDuration,\n                actualDuration,\n            );\n            if (recordChangeDescriptions) {\n                const changeDescription = getChangeDescription(alternate, fiber);\n                if (changeDescription !== null) {\n                    if (metadata.changeDescriptions !== null) {\n                        metadata.changeDescriptions.set(id,\n                            changeDescription);\n                    }\n                }\n                updateContextsForFiber(fiber);\n            }\n        }\n    }\n\n    function recordResetChildren(fiber: Fiber, childSet: Fiber) {\n        if (__DEBUG__) {\n            debug('recordResetChildren()', childSet, fiber);\n        }\n        // The frontend only really cares about the displayName,\n        key, and children.\n        // The first two don't really change, so we are only concerned with the order of children\n        here.\n        // This is trickier than a simple comparison though, since certain types of fibers are filtered.\n        const\n        nextChildren: Array<number> = [];\n        // This is a naive implementation that shallowly recurses children.\n        //\n        We might want to revisit this if it proves to be too inefficient.\n        let child: null | Fiber = childSet;\n        while (child\n            !== null) {\n            findReorderedChildrenRecursively(child, nextChildren);\n            child = child.sibling;\n        }\n        const numChildren = nextChildren.length;\n        if (numChildren < 2) {\n            // No need to reorder.\n            return;\n        }\n        pushOperation(TREE_OPERATION_REORDER_CHILDREN);\n        pushOperation(getFiberIDThrows(fiber));\n        pushOperation(numChildren);\n        for (let i = 0; i < nextChildren.length; i++) {\n            pushOperation(nextChildren[i]);\n        }\n    }\n\n    function findReorderedChildrenRecursively(\n        fiber: Fiber,\n        nextChildren: Array<number>,\n    ) {\n        if (!shouldFilterFiber(fiber)) {\n            nextChildren.push(getFiberIDThrows(fiber));\n        } else {\n            let child = fiber.child;\n            const\n            isTimedOutSuspense =\n                fiber.tag === SuspenseComponent && fiber.memoizedState !== null;\n            if\n            (isTimedOutSuspense) {\n                // Special case: if Suspense mounts in a timed-out state,\n                // get the fallback\n                child from the inner fragment,\n                // and skip over the primary child.\n                const primaryChildFragment =\n                    fiber.child;\n                const fallbackChildFragment =\n                    primaryChildFragment\n                        ? primaryChildFragment.sibling\n                        : null;\n                const fallbackChild =\n                    fallbackChildFragment\n                        ? fallbackChildFragment.child\n                        : null;\n                if (fallbackChild !== null) {\n                    child = fallbackChild;\n                }\n            }\n            while (child !== null) {\n                findReorderedChildrenRecursively(child, nextChildren);\n                child = child.sibling;\n            }\n        }\n    }\n\n    // Returns\n    whether closest unfiltered fiber parent needs to reset its child list.\n    function updateFiberRecursively(\n        nextFiber:\n        Fiber,\n        prevFiber: Fiber,\n        parentFiber: Fiber | null,\n        traceNearestHostComponentUpdate: boolean,\n    ):\n    boolean {\n        const id = getOrGenerateFiberID(nextFiber);\n        if (__DEBUG__) {\n            debug('updateFiberRecursively()', nextFiber, parentFiber);\n        }\n        if (traceUpdatesEnabled) {\n            const\n            elementType =\n                getElementTypeInfoForFiber(nextFiber);\n            if (traceNearestHostComponentUpdate) {\n                // If an\n                ancestor updated, we should mark the nearest host nodes for highlighting.\n                if (elementType ===\n                    ElementTypeHostComponent) {\n                    traceUpdatesForNodes.add(nextFiber.stateNode);\n                }\n                traceNearestHostComponentUpdate = false;\n            }\n        } else {\n            if (\n                elementType ===\n                ElementTypeFunction ||\n                elementType ===\n                ElementTypeClass ||\n                elementType ===\n                ElementTypeContext ||\n                elementType ===\n                ElementTypeMemo ||\n                elementType ===

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ElementTypeForwardRef\n    ) {\n        // Otherwise if this is a traced ancestor, flag for the nearest host
descendant(s).\n        traceNearestHostComponentUpdate = didFiberRender(\n            prevFiber,\n
nextFiber,\n            );\n        }\n    }\n\n    if (\n        mostRecentlyInspectedElement !== null &&\n
mostRecentlyInspectedElement.id === id &&\n        didFiberRender(prevFiber, nextFiber)\n    ) {\n        // If this Fiber
has updated, clear cached inspected data.\n        // If it is inspected again, it may need to be re-run to obtain updated
hooks values.\n        hasElementUpdatedSinceLastInspected = true;\n    }\n\n    const shouldIncludeInTree =
!shouldFilterFiber(nextFiber);\n    const isSuspense = nextFiber.tag === SuspenseComponent;\n    let
shouldResetChildren = false;\n    // The behavior of timed-out Suspense trees is unique.\n    // Rather than unmount
the timed out content (and possibly lose important state),\n    // React re-parents this content within a hidden
Fragment while the fallback is showing.\n    // This behavior doesn't need to be observable in the DevTools
though.\n    // It might even result in a bad user experience for e.g. node selection in the Elements panel.\n    // The
easiest fix is to strip out the intermediate Fragment fibers,\n    // so the Elements panel and Profiler don't need to
special case them.\n    // Suspense components only have a non-null memoizedState if they're timed-out.\n    const
prevDidTimeout = isSuspense && prevFiber.memoizedState !== null;\n    const nextDidTimeOut = isSuspense &&
nextFiber.memoizedState !== null;\n    // The logic below is inspired by the code paths in
updateSuspenseComponent()\n    // inside ReactFiberBeginWork in the React source code.\n    if (prevDidTimeout
&& nextDidTimeOut) {\n        // Fallback -> Fallback:\n        // 1. Reconcile fallback set.\n        const nextFiberChild =
nextFiber.child;\n        const nextFallbackChildSet = nextFiberChild\n            ? nextFiberChild.sibling\n            : null;\n
// Note: We can't use nextFiber.child.sibling.alternate\n        // because the set is special and alternate may not exist.\n
const prevFiberChild = prevFiber.child;\n        const prevFallbackChildSet = prevFiberChild\n            ?
prevFiberChild.sibling\n            : null;\n        if (\n            nextFallbackChildSet !== null &&\n            prevFallbackChildSet !=
null &&\n            updateFiberRecursively(\n                nextFallbackChildSet,\n                prevFallbackChildSet,\n
nextFiber,\n                traceNearestHostComponentUpdate,\n                )\n        ) {\n            shouldResetChildren = true;\n        }\n
} else if (prevDidTimeout && !nextDidTimeOut) {\n        // Fallback -> Primary:\n        // 1. Unmount fallback set\n
// Note: don't emulate fallback unmount because React actually did it.\n        // 2. Mount primary set\n        const
nextPrimaryChildSet = nextFiber.child;\n        if (nextPrimaryChildSet !== null) {\n            mountFiberRecursively(\n
                nextPrimaryChildSet,\n                shouldIncludeInTree ? nextFiber : parentFiber,\n                true,\n
traceNearestHostComponentUpdate,\n                );\n        }\n        shouldResetChildren = true;\n    } else if
(!prevDidTimeout && nextDidTimeOut) {\n        // Primary -> Fallback:\n        // 1. Hide primary set\n        // This is
not a real unmount, so it won't get reported by React.\n        // We need to manually walk the previous tree and record
unmounts.\n        unmountFiberChildrenRecursively(prevFiber);\n        // 2. Mount fallback set\n        const
nextFiberChild = nextFiber.child;\n        const nextFallbackChildSet = nextFiberChild\n            ?
nextFiberChild.sibling\n            : null;\n        if (nextFallbackChildSet !== null) {\n            mountFiberRecursively(\n
                nextFallbackChildSet,\n                shouldIncludeInTree ? nextFiber : parentFiber,\n                true,\n
traceNearestHostComponentUpdate,\n                );\n        }\n        shouldResetChildren = true;\n    }\n    } else {\n        // Common
case: Primary -> Primary.\n        // This is the same code path as for non-Suspense fibers.\n        if (nextFiber.child !==
prevFiber.child) {\n            // If the first child is different, we need to traverse them.\n            // Each next child will be
either a new child (mount) or an alternate (update).\n            let nextChild = nextFiber.child;\n            let
prevChildAtSameIndex = prevFiber.child;\n            while (nextChild) {\n                // We already know children will be
referentially different because\n                // they are either new mounts or alternates of previous children.\n                //
Schedule updates and mounts depending on whether alternates exist.\n                // We don't track deletions here because
they are reported separately.\n                if (nextChild.alternate) {\n                    const prevChild = nextChild.alternate;\n
                    if (\n                        updateFiberRecursively(\n                            nextChild,\n                            prevChild,\n
                            shouldIncludeInTree
? nextFiber : parentFiber,\n                            traceNearestHostComponentUpdate,\n                            )\n                    ) {\n                        // If a
nested tree child order changed but it can't handle its own\n                        // child order invalidation (e.g. because it's
filtered out like host nodes),\n                        // propagate the need to reset child order upwards to this Fiber.\n
                        shouldResetChildren = true;\n                    }\n                }\n                // However we also keep track if the order of the children matches\n
                // the previous order. They are always different referentially, but\n                // if the instances line up

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conceptually we'll want to know that.\n      if (prevChild !== prevChildAtSameIndex) {\n
shouldResetChildren = true;\n      }\n      } else {\n      mountFiberRecursively(\n      nextChild,\n
      shouldIncludeInTree ? nextFiber : parentFiber,\n      false,\n      traceNearestHostComponentUpdate,\n
      );\n      shouldResetChildren = true;\n      }\n      // Try the next child.\n      nextChild =\n
nextChild.sibling;\n      // Advance the pointer in the previous list so that we can\n      // keep comparing if they\n
line up.\n      if (!shouldResetChildren && prevChildAtSameIndex !== null) {\n      prevChildAtSameIndex =\n
prevChildAtSameIndex.sibling;\n      }\n      }\n      // If we have no more children, but used to, they don't line\n
up.\n      if (prevChildAtSameIndex !== null) {\n      shouldResetChildren = true;\n      }\n      } else {\n      if\n
(traceUpdatesEnabled) {\n      // If we're tracing updates and we've bailed out before reaching a host node,\n
// we should fall back to recursively marking the nearest host descendants for highlight.\n      if\n
(traceNearestHostComponentUpdate) {\n      const hostFibers = findAllCurrentHostFibers(\n
getFiberIDThrows(nextFiber),\n      );\n      hostFibers.forEach(hostFiber => {\n
traceUpdatesForNodes.add(hostFiber.stateNode);\n      });\n      }\n      }\n      }\n      }\n      }\n      if\n
(shouldIncludeInTree) {\n      const isProfilingSupported = nextFiber.hasOwnProperty('treeBaseDuration');\n      if\n
(isProfilingSupported) {\n      recordProfilingDurations(nextFiber);\n      }\n      }\n      if (shouldResetChildren) {\n
// We need to crawl the subtree for closest non-filtered Fibers\n      // so that we can display them in a flat children\n
set.\n      if (shouldIncludeInTree) {\n      // Normally, search for children from the rendered child.\n      let\n
nextChildSet = nextFiber.child;\n      if (nextDidTimeOut) {\n      // Special case: timed-out Suspense renders the\n
fallback set.\n      const nextFiberChild = nextFiber.child;\n      nextChildSet = nextFiberChild ?\n
nextFiberChild.sibling : null;\n      }\n      if (nextChildSet !== null) {\n      recordResetChildren(nextFiber,\n
nextChildSet);\n      }\n      // We've handled the child order change for this Fiber.\n      // Since it's included,\n
there's no need to invalidate parent child order.\n      return false;\n      } else {\n      // Let the closest unfiltered\n
parent Fiber reset its child order instead.\n      return true;\n      }\n      } else {\n      return false;\n      }\n      }\n      }\n
function cleanup() {\n      // We don't patch any methods so there is no cleanup.\n      }\n      }\n      function\n
rootSupportsProfiling(root: any) {\n      if (root.memoizedInteractions !== null) {\n      // v16 builds include this field\n
for the scheduler/tracing API.\n      return true;\n      } else if (\n      root.current !== null &&\n
root.current.hasOwnProperty('treeBaseDuration')\n      ) {\n      // The scheduler/tracing API was removed in v17\n
though\n      // so we need to check a non-root Fiber.\n      return true;\n      } else {\n      return false;\n      }\n      }\n      }\n
function flushInitialOperations() {\n      const localPendingOperationsQueue = pendingOperationsQueue;\n      pendingOperationsQueue = null;\n      if (\n      localPendingOperationsQueue !== null &&\n
localPendingOperationsQueue.length > 0\n      ) {\n      // We may have already queued up some operations before the\n
frontend connected\n      // If so, let the frontend know about them.\n      localPendingOperationsQueue.forEach(operations => {\n      hook.emit('operations', operations);\n      });\n      } else\n
{\n      // Before the traversals, remember to start tracking\n      // our path in case we have selection to restore.\n      if (trackedPath !== null) {\n      mightBeOnTrackedPath = true;\n      }\n      // If we have not been profiling, then\n
we can just walk the tree and build up its current state as-is.\n      hook.getFiberRoots(rendererID).forEach(root =>\n
{\n      currentRootID = getOrGenerateFiberID(root.current);\n      setRootPseudoKey(currentRootID,\n
root.current);\n      // Handle multi-renderer edge-case where only some v16 renderers support profiling.\n      if\n
(isProfiling && rootSupportsProfiling(root)) {\n      // If profiling is active, store commit time and duration.\n
// The frontend may request this information after profiling has stopped.\n      currentCommitProfilingMetadata =\n
{\n      changeDescriptions: recordChangeDescriptions ? new Map() : null,\n      durations: [],\n
commitTime: getCurrentTime() - profilingStartTime,\n      maxActualDuration: 0,\n      priorityLevel: null,\n
updaters: getUpdatersList(root),\n      effectDuration: null,\n      passiveEffectDuration: null,\n
};\n      }\n      }\n      mountFiberRecursively(root.current, null, false, false);\n      flushPendingEvents(root);\n
currentRootID = -1;\n      });\n      }\n      }\n      }\n      function getUpdatersList(root: any): Array<SerializedElement> | null {\n
return root.memoizedUpdaters !== null\n      ? Array.from(root.memoizedUpdaters)\n      .filter(fiber =>\n
getFiberIDUnsafe(fiber) !== null)\n      .map(fiberToSerializedElement)\n      : null;\n      }\n      }\n      function\n
handleCommitFiberUnmount(fiber: any) {\n      // If the untrackFiberSet already has the unmounted Fiber, this means

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we've already\n // recordedUnmount, so we don't need to do it again. If we don't do this, we might\n // end up
double-deleting Fibers in some cases (like Legacy Suspense).\n if (!untrackFibersSet.has(fiber)) {\n // This is
not recursive.\n // We can't traverse fibers after unmounting so instead\n // we rely on React telling us about
each unmount.\n recordUnmount(fiber, false);\n }\n }\n\n function handlePostCommitFiberRoot(root: any)
{\n if (isProfiling && rootSupportsProfiling(root)) {\n if (currentCommitProfilingMetadata !== null) {\n
const {effectDuration, passiveEffectDuration} =\n getEffectDurations(root);\n //
$FlowFixMe[incompatible-use] found when upgrading Flow\n currentCommitProfilingMetadata.effectDuration
= effectDuration;\n // $FlowFixMe[incompatible-use] found when upgrading Flow\n
currentCommitProfilingMetadata.passiveEffectDuration =\n passiveEffectDuration;\n }\n }\n }\n\n function
handleCommitFiberRoot(root: any, priorityLevel: void | number) {\n const current = root.current;\n
const alternate = current.alternate;\n\n // Flush any pending Fibers that we are untracking before processing the
new commit.\n // If we don't do this, we might end up double-deleting Fibers in some cases (like Legacy
Suspense).\n untrackFibers();\n\n currentRootID = getOrGenerateFiberID(current);\n\n // Before the traversals,
remember to start tracking\n // our path in case we have selection to restore.\n if (trackedPath !== null) {\n
mightBeOnTrackedPath = true;\n }\n\n if (traceUpdatesEnabled) {\n traceUpdatesForNodes.clear();\n }\n\n
// Handle multi-renderer edge-case where only some v16 renderers support profiling.\n const
isProfilingSupported = rootSupportsProfiling(root);\n\n if (isProfiling && isProfilingSupported) {\n // If
profiling is active, store commit time and duration.\n // The frontend may request this information after profiling
has stopped.\n currentCommitProfilingMetadata = {\n changeDescriptions: recordChangeDescriptions ? new
Map() : null,\n durations: [],\n commitTime: getCurrentTime() - profilingStartTime,\n
maxActualDuration: 0,\n priorityLevel:\n priorityLevel == null ? null :
formatPriorityLevel(priorityLevel),\n\n updaters: getUpdatersList(root),\n\n // Initialize to null; if new
enough React version is running,\n // these values will be read during separate handlePostCommitFiberRoot()
call.\n effectDuration: null,\n passiveEffectDuration: null,\n }; \n }\n\n if (alternate) {\n // TODO:
relying on this seems a bit fishy.\n const wasMounted =\n alternate.memoizedState !== null &&\n
alternate.memoizedState.element !== null &&\n // A dehydrated root is not considered mounted\n
alternate.memoizedState.isDehydrated !== true;\n const isMounted =\n current.memoizedState !== null &&\n
current.memoizedState.element !== null &&\n // A dehydrated root is not considered mounted\n
current.memoizedState.isDehydrated !== true;\n if (!wasMounted && isMounted) {\n // Mount a new root.\n
setRootPseudoKey(currentRootID, current);\n mountFiberRecursively(current, null, false, false);\n } else
if (wasMounted && isMounted) {\n // Update an existing root.\n updateFiberRecursively(current, alternate,
null, false);\n } else if (wasMounted && !isMounted) {\n // Unmount an existing root.\n
removeRootPseudoKey(currentRootID);\n recordUnmount(current, false);\n }\n } else {\n // Mount a
new root.\n setRootPseudoKey(currentRootID, current);\n mountFiberRecursively(current, null, false,
false);\n }\n\n if (isProfiling && isProfilingSupported) {\n if (!shouldBailoutWithPendingOperations()) {\n
const commitProfilingMetadata =\n ((rootToCommitProfilingMetadataMap: any):
CommitProfilingMetadataMap).get(\n currentRootID,\n );\n\n if (commitProfilingMetadata !== null)
{\n commitProfilingMetadata.push(\n ((currentCommitProfilingMetadata: any):
CommitProfilingData),\n );\n } else {\n ((rootToCommitProfilingMetadataMap: any):
CommitProfilingMetadataMap).set(\n currentRootID,\n [((currentCommitProfilingMetadata: any):
CommitProfilingData)],\n );\n }\n }\n }\n\n // We're done here.\n flushPendingEvents(root);\n\n if
(traceUpdatesEnabled) {\n hook.emit('traceUpdates', traceUpdatesForNodes);\n }\n\n currentRootID = -
1;\n }\n\n\n function findAllCurrentHostFibers(id: number): $ReadOnlyArray<Fiber> {\n const fibers = [];\n
const fiber = findCurrentFiberUsingSlowPathById(id);\n if (!fiber) {\n return fibers;\n }\n\n // Next we'll
drill down this component to find all HostComponent/Text.\n let node: Fiber = fiber;\n while (true) {\n if
(node.tag === HostComponent || node.tag === HostText) {\n fibers.push(node);\n } else if (node.child) {\n
node.child.return = node;\n node = node.child;\n continue;\n }\n if (node === fiber) {\n return
fibers;\n }\n while (!node.sibling) {\n if (!node.return || node.return === fiber) {\n return
fibers;\n }

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    if (parentA === null) {\n      // We're at the root.\n      break;\n    }\n    const parentB = parentA.alternate;\n    if (parentB === null) {\n      // There is no alternate. This is an unusual case. Currently, it only\n      // happens when a Suspense component is hidden. An extra fragment fiber\n      // is inserted in between the Suspense fiber and its children. Skip\n      // over this extra fragment fiber and proceed to the next parent.\n      const nextParent = parentA.return;\n      if (nextParent !== null) {\n        a = b = nextParent;\n        continue;\n      }\n      // If there's no parent, we're at the root.\n      break;\n    }\n    // If both copies of the parent fiber point to the same child, we can\n    // assume that the child is current. This happens when we bailout on low\n    // priority: the bailed out fiber's child reuses the current child.\n    if (parentA.child === parentB.child) {\n      let child = parentA.child;\n      while (child) {\n        if (child === a) {\n          // We've determined that A is the current branch.\n          assertIsMounted(parentA);\n          return fiber;\n        }\n        if (child === b) {\n          // We've determined that B is the current branch.\n          assertIsMounted(parentA);\n          return alternate;\n        }\n        child = child.sibling;\n      }\n      // We should never have an alternate for any mounting node. So the\n      // only way this could possibly happen is if this was unmounted, if at all.\n      throw new Error('Unable to find node on an unmounted component.);\n    }\n    if (a.return !== b.return) {\n      // The return pointer of A and the return pointer of B point to different\n      // fibers. We assume that return pointers never criss-cross, so A\n      // must belong to the child set of A.return, and B must belong to the child\n      // set of B.return.\n      a = parentA;\n      b = parentB;\n    } else {\n      // The return pointers point to the same fiber. We'll have to use the\n      // default, slow path: scan the child sets of each parent alternate to see\n      // which child belongs to which set.\n      // Search parent A's child set\n      let didFindChild = false;\n      let child = parentA.child;\n      while (child) {\n        if (child === a) {\n          didFindChild = true;\n          a = parentA;\n          b = parentB;\n          break;\n        }\n        if (child === b) {\n          didFindChild = true;\n          b = parentA;\n          a = parentB;\n          break;\n        }\n        child = child.sibling;\n      }\n      if (!didFindChild) {\n        // Search parent B's child set\n        child = parentB.child;\n        while (child) {\n          if (child === a) {\n            didFindChild = true;\n            a = parentB;\n            b = parentA;\n            break;\n          }\n          if (child === b) {\n            didFindChild = true;\n            b = parentB;\n            a = parentA;\n            break;\n          }\n          child = child.sibling;\n        }\n        if (!didFindChild) {\n          throw new Error(\n            'Child was not found in either parent set. This indicates a bug '\n            'in React related to the return pointer. Please file an issue.',\n            );\n        }\n        if (a.alternate !== b) {\n          throw new Error(\n            '"Return fibers should always be each others' alternates.'" +\n            'This error is likely caused by a bug in React. Please file an issue.',\n            );\n        }\n      }\n      // If the root is not a host container, we're in a disconnected tree. I.e.\n      // unmounted.\n      if (a.tag !== HostRoot) {\n        throw new Error('Unable to find node on an unmounted component.);\n      }\n      if (a.stateNode.current === a) {\n        // We've determined that A is the current branch.\n        return fiber;\n      }\n      // Otherwise B has to be current branch.\n      return alternate;\n    }\n  }\n  // END copied code\n\nfunction prepareViewAttributeSource(\n  id: number,\n  path: Array<string | number>,\n): void {\n  if (isMostRecentlyInspectedElement(id)) {\n    window.$attribute = getInObject(\n      ((mostRecentlyInspectedElement: any): InspectedElement),\n      path,\n    );\n  }\n}\n\nfunction prepareViewElementSource(id: number): void {\n  const fiber = idToArbitraryFiberMap.get(id);\n  if (fiber == null) {\n    console.warn('Could not find Fiber with id "${id}"');\n    return;\n  }\n  const {elementType, tag, type} = fiber;\n  switch (tag) {\n    case ClassComponent:\n    case IncompleteClassComponent:\n    case IndeterminateComponent:\n    case FunctionComponent:\n      global.$type = type;\n      break;\n    case ForwardRef:\n      global.$type = type.render;\n      break;\n    case MemoComponent:\n    case SimpleMemoComponent:\n      global.$type =\n        elementType != null && elementType.type != null\n        ? elementType.type\n        : type;\n      break;\n    default:\n      global.$type = null;\n      break;\n  }\n}\n\nfunction fiberToSerializedElement(fiber: Fiber): SerializedElement {\n  return {\n    displayName: getDisplayNameForFiber(fiber) || 'Anonymous',\n    id: getFiberIDThrows(fiber),\n    key: fiber.key,\n    type: getElementTypeInfo(fiber),\n  };\n}\n\nfunction getOwnersList(id: number): Array<SerializedElement> | null {\n  const fiber = findCurrentFiberUsingSlowPathById(id);\n  if (fiber == null) {\n    return null;\n  }\n  const { _debugOwner } = fiber;\n  const owners: Array<SerializedElement> =

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[fiberToSerializedElement(fiber)];\n\n if (_debugOwner) {\n  let owner: null | Fiber = _debugOwner;\n  while (owner !== null) {\n    owners.unshift(fiberToSerializedElement(owner));\n    owner = owner._debugOwner || null;\n  }\n}\n\n return owners;\n }\n\n // Fast path props lookup for React Native style editor.\n // Could use inspectElementRaw() but that would require shallow rendering hooks components,\n // and could also mess with memoization.\n function getInstanceAndStyle(id: number): InstanceAndStyle {\n  let instance = null;\n  let style = null;\n  const fiber = findCurrentFiberUsingSlowPathById(id);\n  if (fiber !== null) {\n    instance = fiber.stateNode;\n    if (fiber.memoizedProps !== null) {\n      style = fiber.memoizedProps.style;\n    }\n  }\n  return {instance, style};\n }\n\n function isErrorBoundary(fiber: Fiber): boolean {\n  const {tag, type} = fiber;\n  switch (tag) {\n    case ClassComponent:\n    case IncompleteClassComponent:\n      const instance = fiber.stateNode;\n      return (\n        typeof type.getDerivedStateFromError === 'function' ||\n        (instance !== null &&\n          typeof instance.componentDidCatch === 'function')\n      );\n      default:\n      return false;\n  }\n}\n\n function getNearestErrorBoundaryID(fiber: Fiber): number | null {\n  let parent = fiber.return;\n  while (parent !== null) {\n    if (isErrorBoundary(parent)) {\n      return getFiberIDUnsafe(parent);\n    }\n    parent = parent.return;\n  }\n  return null;\n }\n\n function inspectElementRaw(id: number): InspectedElement | null {\n  const fiber = findCurrentFiberUsingSlowPathById(id);\n  if (fiber == null) {\n    return null;\n  }\n  const {\n    _debugOwner,\n    _debugSource,\n    stateNode,\n    key,\n    memoizedProps,\n    memoizedState,\n    dependencies,\n    tag,\n    type,\n  } = fiber;\n  const elementType = getElementTypeInfo(fiber);\n  const usesHooks =\n    (tag === FunctionComponent ||\n     tag === SimpleMemoComponent ||\n     tag === ForwardRef) &&\n    (!memoizedState || !dependencies);\n  // TODO Show custom UI for Cache like we do for Suspense\n  // For now, just hide state data entirely since it's not meant to be inspected.\n  const showState = !usesHooks && tag !== CacheComponent;\n  const typeSymbol = getTypeSymbol(type);\n  let canViewSource = false;\n  let context = null;\n  if (\n    tag === ClassComponent ||\n    tag === FunctionComponent ||\n    tag === IncompleteClassComponent ||\n    tag === IndeterminateComponent ||\n    tag === MemoComponent ||\n    tag === ForwardRef ||\n    tag === SimpleMemoComponent\n  ) {\n    canViewSource = true;\n    if (stateNode && stateNode.context != null) {\n      // Don't show an empty context object for class components that don't use the context API.\n      const shouldHideContext =\n        elementType === ElementTypeClass &&\n        !(type.contextTypes || type.contextType);\n      if (!shouldHideContext) {\n        context = stateNode.context;\n      }\n    } else if (\n      typeSymbol === CONTEXT_NUMBER ||\n      typeSymbol === CONTEXT_SYMBOL_STRING\n    ) {\n      // 16.3-16.5 read from "type" because the Consumer is the actual context object.\n      // 16.6+ should read from "type._context" because Consumer can be different (in DEV).\n      // NOTE Keep in sync with getDisplayNameForFiber()\n      const consumerResolvedContext = type._context || type;\n      // Global context value.\n      context = consumerResolvedContext._currentValue || null;\n      // Look for overridden value.\n      let current = ((fiber: any): Fiber).return;\n      while (current !== null) {\n        const currentType = current.type;\n        const currentTypeSymbol = getTypeSymbol(currentType);\n        if (\n          currentTypeSymbol === PROVIDER_NUMBER ||\n          currentTypeSymbol === PROVIDER_SYMBOL_STRING\n        ) {\n          // 16.3.0 exposed the context object as "context"\n          // PR #12501 changed it to "_context" for 16.3.1+\n          // NOTE Keep in sync with getDisplayNameForFiber()\n          const providerResolvedContext =\n            currentType._context || currentType.context;\n          if (providerResolvedContext === consumerResolvedContext) {\n            context = current.memoizedProps.value;\n            break;\n          }\n        }\n        current = current.return;\n      }\n    }\n  }\n  let hasLegacyContext = false;\n  if (context !== null) {\n    hasLegacyContext = !type.contextTypes;\n  }\n  // To simplify hydration and display logic for context, wrap in a value object.\n  // Otherwise simple values (e.g. strings, booleans) become harder to handle.\n  context = {value: context};\n }\n\n let owners = null;\n if (_debugOwner) {\n  owners = ([]: Array<SerializedElement>);\n  let owner: null | Fiber = _debugOwner;\n  while (owner !== null) {\n    owners.push(fiberToSerializedElement(owner));\n    owner = owner._debugOwner || null;\n  }\n}\n\n const isTimedOutSuspense =\n  tag === SuspenseComponent && memoizedState !== null;\n let hooks = null;\n if (usesHooks) {\n  const originalConsoleMethods: {[string]: $FlowFixMe} = {};\n  // Temporarily disable all console logging before re-

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being dehydrated in updates.\n // This is important to avoid a bad user experience where expanded toggles collapse
on update.\n return function isPathAllowed(path: Array<string | number>): boolean {\n switch
(secondaryCategory) {\n case 'hooks':\n if (path.length === 1) {\n // Never dehydrate the \"hooks\"
object at the top levels.\n return true;\n }\n if (\n path[path.length - 2] === 'hookSource'
&&\n path[path.length - 1] === 'fileName'\n ) {\n // It's important to preserve the full file name
(URL) for hook sources\n // in case the user has enabled the named hooks feature.\n // Otherwise the
frontend may end up with a partial URL which it can't load.\n return true;\n }\n if (\n
path[path.length - 1] === 'subHooks' ||\n path[path.length - 2] === 'subHooks'\n ) {\n //
Dehydrating the 'subHooks' property makes the HooksTree UI a lot more complicated,\n // so it's easiest for
now if we just don't break on this boundary.\n // We can always dehydrate a level deeper (in the value
object).\n return true;\n }\n break;\n default:\n break;\n }\n\n let current =\n key === null ? currentlyInspectedPaths : currentlyInspectedPaths[key];\n if (!current) {\n return false;\n
}\n for (let i = 0; i < path.length; i++) {\n current = current[path[i)];\n if (!current) {\n return
false;\n }\n }\n return true;\n };\n }\n\n function updateSelectedElement(inspectedElement:
InspectedElement): void {\n const {hooks, id, props} = inspectedElement;\n\n const fiber =
idToArbitraryFiberMap.get(id);\n if (fiber === null) {\n console.warn(`Could not find Fiber with id
\"${id}\"`);\n return;\n }\n\n const {elementType, stateNode, tag, type} = fiber;\n\n switch (tag) {\n case
ClassComponent:\n case IncompleteClassComponent:\n case IndeterminateComponent:\n global.$r =
stateNode;\n break;\n case FunctionComponent:\n global.$r = {\n hooks,\n props,\n
type,\n };\n break;\n case ForwardRef:\n global.$r = {\n hooks,\n props,\n type:
type.render,\n };\n break;\n case MemoComponent:\n case SimpleMemoComponent:\n global.$r
= {\n hooks,\n props,\n type:\n elementType !== null && elementType.type !== null\n
? elementType.type\n : type,\n };\n break;\n default:\n global.$r = null;\n break;\n }\n\n
function storeAsGlobal(\n id: number,\n path: Array<string | number>,\n count: number,\n ): void {\n
if (isMostRecentlyInspectedElement(id)) {\n const value = getInObject(\n ((mostRecentlyInspectedElement:
any): InspectedElement),\n path,\n );\n const key = `reactTemp${count}`;\n\n window[key] =
value;\n\n console.log(key);\n console.log(value);\n }\n }\n\n function
getSerializedElementValueByPath(\n id: number,\n path: Array<string | number>,\n ): ?string {\n if
(isMostRecentlyInspectedElement(id)) {\n const valueToCopy = getInObject(\n
((mostRecentlyInspectedElement: any): InspectedElement),\n path,\n );\n\n return
serializeToString(valueToCopy);\n }\n }\n\n function inspectElement(\n requestID: number,\n id: number,\n
path: Array<string | number> | null,\n forceFullData: boolean,\n ): InspectedElementPayload {\n if (path !==
null) {\n mergeInspectedPaths(path);\n }\n\n if (isMostRecentlyInspectedElement(id) && !forceFullData) {\n
if (!hasElementUpdatedSinceLastInspected) {\n if (path !== null) {\n let secondaryCategory = null;\n
if (path[0] === 'hooks') {\n secondaryCategory = 'hooks';\n }\n\n // If this element has not been
updated since it was last inspected,\n // we can just return the subset of data in the newly-inspected path.\n
return {\n id,\n responseID: requestID,\n type: 'hydrated-path',\n path,\n value:
cleanForBridge(\n getInObject(\n ((mostRecentlyInspectedElement: any): InspectedElement),\n
path,\n ),\n createIsPathAllowed(null, secondaryCategory),\n path,\n ),\n
};\n } else {\n // If this element has not been updated since it was last inspected, we don't need to return
it.\n // Instead we can just return the ID to indicate that it has not changed.\n return {\n id,\n
responseID: requestID,\n type: 'no-change',\n }; \n }\n }\n } else {\n
currentlyInspectedPaths = {};\n }\n\n hasElementUpdatedSinceLastInspected = false;\n\n try {\n
mostRecentlyInspectedElement = inspectElementRaw(id);\n } catch (error) {\n // the error name is synced with
ReactDebugHooks\n if (error.name === 'ReactDebugToolsRenderError') {\n let message = 'Error rendering
inspected element.';\n let stack;\n // Log error & cause for user to debug\n console.error(message +
'\n\n', error);\n if (error.cause !== null) {\n const fiber = findCurrentFiberUsingSlowPathById(id);\n
const componentName =\n fiber !== null ? getDisplayNameForFiber(fiber) : null;\n console.error(\n

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    'React DevTools encountered an error while trying to inspect hooks.' +\n      'This is most likely caused by an\n
error in current inspected component' +\n      (componentName !== null ? `:"${componentName}"` : '.') +\n
    '\n\nThe error thrown in the component is: \n\n',\n      error.cause,\n      );\n      if (error.cause instanceof\n
Error) {\n          message = error.cause.message || message;\n          stack = error.cause.stack;\n          }\n          }\n\n
return {\n      type: 'error',\n      errorType: 'user',\n      id,\n      responseID: requestID,\n
message,\n      stack,\n      };\n      }\n      }\n      // the error name is synced with ReactDebugHooks\n      if\n
(error.name === 'ReactDebugToolsUnsupportedHookError') {\n          return {\n              type: 'error',\n              errorType:\n
'unknown-hook',\n              id,\n              responseID: requestID,\n              message:\n                  'Unsupported hook in the\n
react-debug-tools package: ' +\n                      error.message,\n              };\n              }\n              }\n              // Log Uncaught Error\n
console.error('Error inspecting element.\n\n', error);\n              return {\n                  type: 'error',\n                  errorType:\n
'uncaught',\n                  id,\n                  responseID: requestID,\n                  message: error.message,\n                  stack: error.stack,\n                  };\n
              }\n              }\n              if (mostRecentlyInspectedElement === null) {\n                  return {\n                      id,\n                      responseID: requestID,\n
                      type: 'not-found',\n                      };\n                      }\n                      }\n                      // Any time an inspected element has an update,\n                      // we should update the\n
selected $r value as wel.\n                      // Do this before dehydration (cleanForBridge).\n
updateSelectedElement(mostRecentlyInspectedElement);\n                      // Clone before cleaning so that we preserve the full\n
data.\n                      // This will enable us to send patches without re-inspecting if hydrated paths are requested.\n                      // (Reducing\n
how often we shallow-render is a better DX for function components that use hooks.)\n                      const\n
cleanedInspectedElement = {...mostRecentlyInspectedElement};\n                      // $FlowFixMe[prop-missing] found when\n
upgrading Flow\n                      cleanedInspectedElement.context = cleanForBridge(\n                          cleanedInspectedElement.context,\n
                          createIsPathAllowed('context', null),\n                          );\n                      // $FlowFixMe[prop-missing] found when upgrading Flow\n
cleanedInspectedElement.hooks = cleanForBridge(\n                          cleanedInspectedElement.hooks,\n
                          createIsPathAllowed('hooks', 'hooks'),\n                          );\n                      // $FlowFixMe[prop-missing] found when upgrading Flow\n
cleanedInspectedElement.props = cleanForBridge(\n                          cleanedInspectedElement.props,\n
                          createIsPathAllowed('props', null),\n                          );\n                      // $FlowFixMe[prop-missing] found when upgrading Flow\n
cleanedInspectedElement.state = cleanForBridge(\n                          cleanedInspectedElement.state,\n
                          createIsPathAllowed('state', null),\n                          );\n                      }\n                      }\n                      return {\n                          id,\n                          responseID: requestID,\n
                          type: 'full-data',\n                          }\n                      // $FlowFixMe[prop-missing] found when upgrading Flow\n
                      value: cleanedInspectedElement,\n                      };\n                      }\n                      }\n
function logElementToConsole(id: number) {\n      const result = isMostRecentlyInspectedElementCurrent(id)\n      ?\n      mostRecentlyInspectedElement\n      : inspectElementRaw(id);\n      if (result === null) {\n          console.warn('Could\n
not find Fiber with id "${id}");\n          return;\n          }\n          }\n          const supportsGroup = typeof console.groupCollapsed\n
=== 'function';\n          if (supportsGroup) {\n              console.groupCollapsed(\n                  `[Click to expand]\n
%c<${result.displayName || 'Component'} />`,\n                  // --dom-tag-name-color is the CSS variable Chrome styles\n
HTML elements with in the console.\n                  'color: var(--dom-tag-name-color); font-weight: normal;');\n              }\n              }\n
if (result.props !== null) {\n          console.log('Props:', result.props);\n          }\n          if (result.state !== null) {\n
              console.log('State:', result.state);\n          }\n          if (result.hooks !== null) {\n              console.log('Hooks:', result.hooks);\n
          }\n          }\n          const nativeNodes = findNativeNodesForFiberID(id);\n          if (nativeNodes !== null) {\n
              console.log('Nodes:', nativeNodes);\n          }\n          if (result.source !== null) {\n              console.log('Location:',\n
result.source);\n          }\n          if (window.chrome || /firefox/i.test(navigator.userAgent)) {\n              console.log(\n                  'Right-\n
click any value to save it as a global variable for further inspection.'\n                  );\n          }\n          if (supportsGroup) {\n
              console.groupEnd();\n          }\n          }\n          }\n          function deletePath(\n              type: 'context' | 'hooks' | 'props' | 'state',\n              id: number,\n
              hookID: ?number,\n              path: Array<string | number>,\n              ): void {\n              const fiber =\n
findCurrentFiberUsingSlowPathById(id);\n              if (fiber !== null) {\n                  const instance = fiber.stateNode;\n
\n                  switch (type) {\n                      case 'context':\n                          // To simplify hydration and display of primitive context values (e.g.\n
number, string)\n                          // the inspectElement() method wraps context in a {value: ...} object.\n                          // We need to\n
remove the first part of the path (the "value") before continuing.\n                          path = path.slice(1);\n                          switch\n
(fiber.tag) {\n                              case ClassComponent:\n                                  if (path.length === 0) {\n                                      // Simple context value\n
(noop)\n                                  } else {\n                                      deletePathInObject(instance.context, path);\n                                  }\n
\n                              instance.forceUpdate();\n                                  break;\n                              case FunctionComponent:\n                                  // Function components using

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legacy context are not editable\n      // because there's no instance on which to create a cloned, mutated
context.\n      break;\n    }\n    break;\n    case 'hooks':\n      if (typeof overrideHookStateDeletePath
=== 'function') {\n        overrideHookStateDeletePath(fiber, ((hookID: any): number), path);\n      }\n    break;\n    case 'props':\n      if (instance === null) {\n        if (typeof overridePropsDeletePath === 'function')
{\n          overridePropsDeletePath(fiber, path);\n        }\n      } else {\n        fiber.pendingProps =
copyWithDelete(instance.props, path);\n        instance.forceUpdate();\n      }\n    break;\n    case 'state':\n      deletePathInObject(instance.state, path);\n      instance.forceUpdate();\n    break;\n  }\n}\n\nfunction renamePath(\n  type: 'context' | 'hooks' | 'props' | 'state',\n  id: number,\n  hookID: ?number,\n  oldPath:
Array<string | number>,\n  newPath: Array<string | number>,\n): void {\n  const fiber =
findCurrentFiberUsingSlowPathById(id);\n  if (fiber !== null) {\n    const instance = fiber.stateNode;\n    switch (type) {\n      case 'context':\n        // To simplify hydration and display of primitive context values (e.g.
number, string)\n        // the inspectElement() method wraps context in a {value: ...} object.\n        // We need to
remove the first part of the path (the \"value\") before continuing.\n        oldPath = oldPath.slice(1);\n        newPath = newPath.slice(1);\n        switch (fiber.tag) {\n          case ClassComponent:\n            if
(oldPath.length === 0) {\n              // Simple context value (noop)\n            } else {\n              renamePathInObject(instance.context, oldPath, newPath);\n            }\n            instance.forceUpdate();\n          break;\n          case FunctionComponent:\n            // Function components using legacy context are not editable\n
            // because there's no instance on which to create a cloned, mutated context.\n            break;\n        }\n      }\n    case 'hooks':\n      if (typeof overrideHookStateRenamePath === 'function') {\n        overrideHookStateRenamePath(\n          fiber,\n          ((hookID: any): number),\n          oldPath,\n          newPath,\n        );\n      }\n    break;\n    case 'props':\n      if (instance === null) {\n        if (typeof
overridePropsRenamePath === 'function') {\n          overridePropsRenamePath(fiber, oldPath, newPath);\n        }\n      } else {\n        fiber.pendingProps = copyWithRename(\n          instance.props,\n          oldPath,\n          newPath,\n        );\n        instance.forceUpdate();\n      }\n    break;\n    case 'state':\n      renamePathInObject(instance.state, oldPath, newPath);\n      instance.forceUpdate();\n    break;\n  }\n}\n\nfunction overrideValueAtPath(\n  type: 'context' | 'hooks' | 'props' | 'state',\n  id: number,\n  hookID:
?number,\n  path: Array<string | number>,\n  value: any,\n): void {\n  const fiber =
findCurrentFiberUsingSlowPathById(id);\n  if (fiber !== null) {\n    const instance = fiber.stateNode;\n    switch (type) {\n      case 'context':\n        // To simplify hydration and display of primitive context values (e.g.
number, string)\n        // the inspectElement() method wraps context in a {value: ...} object.\n        // We need to
remove the first part of the path (the \"value\") before continuing.\n        path = path.slice(1);\n        switch
(fiber.tag) {\n          case ClassComponent:\n            if (path.length === 0) {\n              // Simple context value\n              instance.context = value;\n            } else {\n              setInObject(instance.context, path, value);\n            }\n          }\n          instance.forceUpdate();\n          break;\n          case FunctionComponent:\n            // Function
components using legacy context are not editable\n            // because there's no instance on which to create a
cloned, mutated context.\n            break;\n        }\n      }\n    case 'hooks':\n      if (typeof
overrideHookState === 'function') {\n        overrideHookState(fiber, ((hookID: any): number), path, value);\n      }\n    break;\n    case 'props':\n      switch (fiber.tag) {\n        case ClassComponent:\n          fiber.pendingProps = copyWithSet(instance.props, path, value);\n          instance.forceUpdate();\n          break;\n          default:\n            if (typeof overrideProps === 'function') {\n              overrideProps(fiber, path, value);\n            }\n          break;\n        }\n      }\n    case 'state':\n      switch (fiber.tag) {\n        case
ClassComponent:\n          setInObject(instance.state, path, value);\n          instance.forceUpdate();\n          break;\n        }\n      }\n    break;\n  }\n}\n}\n\n type CommitProfilingData = {\n  changeDescriptions:
Map<number, ChangeDescription> | null,\n  commitTime: number,\n  durations: Array<number>,\n  effectDuration: number | null,\n  maxActualDuration: number,\n  passiveEffectDuration: number | null,\n  priorityLevel: string | null,\n  updaters: Array<SerializedElement> | null,\n};\n\n type
CommitProfilingMetadataMap = Map<number, Array<CommitProfilingData>>;\n\n type DisplayNamesByRootID =
Map<number, string>;\n\n let currentCommitProfilingMetadata: CommitProfilingData | null = null;\n let

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displayNamesByRootID: DisplayNamesByRootID | null = null;\n let idToContextsMap: Map<number, any> | null
= null;\n let initialTreeBaseDurationsMap: Map<number, number> | null = null;\n let initialIDToRootMap:
Map<number, number> | null = null;\n let isProfiling: boolean = false;\n let profilingStartTime: number = 0;\n let
recordChangeDescriptions: boolean = false;\n let rootToCommitProfilingMetadataMap:
CommitProfilingMetadataMap | null =\n null;\n\n function getProfilingData(): ProfilingDataBackend {\n const
dataForRoots: Array<ProfilingDataForRootBackend> = [];\n\n if (rootToCommitProfilingMetadataMap === null)
{\n throw Error(\n 'getProfilingData() called before any profiling data was recorded',\n );\n }\n\n rootToCommitProfilingMetadataMap.forEach(\n (commitProfilingMetadata, rootID) => {\n const
commitData: Array<CommitDataBackend> = [];\n const initialTreeBaseDurations: Array<[number, number]>
= [];\n const displayName =\n (displayNamesByRootID !== null &&
displayNamesByRootID.get(rootID)) ||\n 'Unknown';\n\n if (initialTreeBaseDurationsMap !== null) {\n
initialTreeBaseDurationsMap.forEach((treeBaseDuration, id) => {\n if (\n initialIDToRootMap !==
null &&\n initialIDToRootMap.get(id) === rootID\n ) {\n // We don't need to convert
milliseconds to microseconds in this case,\n // because the profiling summary is JSON serialized.\n
initialTreeBaseDurations.push([id, treeBaseDuration]);\n }\n });\n }\n\n commitProfilingMetadata.forEach((commitProfilingData, commitIndex) => {\n const {\n
changeDescriptions,\n durations,\n effectDuration,\n maxActualDuration,\n
passiveEffectDuration,\n priorityLevel,\n commitTime,\n updaters,\n } =
commitProfilingData;\n const fiberActualDurations: Array<[number, number]> = [];\n const
fiberSelfDurations: Array<[number, number]> = [];\n for (let i = 0; i < durations.length; i += 3) {\n
const fiberID = durations[i];\n fiberActualDurations.push([fiberID, durations[i + 1]]);\n
fiberSelfDurations.push([fiberID, durations[i + 2]]);\n }\n\n commitData.push({\n
changeDescriptions:\n changeDescriptions !== null\n ? Array.from(changeDescriptions.entries())\n
: null,\n duration: maxActualDuration,\n effectDuration,\n fiberActualDurations,\n
fiberSelfDurations,\n passiveEffectDuration,\n priorityLevel,\n timestamp: commitTime,\n
updaters,\n });\n });\n\n dataForRoots.push({\n commitData,\n displayName,\n
initialTreeBaseDurations,\n rootID,\n });\n },\n );\n\n let timelineData = null;\n if (typeof
getTimelineData === 'function') {\n const currentTimelineData = getTimelineData();\n if
(currentTimelineData) {\n const {\n batchUIDToMeasuresMap,\n
internalModuleSourceToRanges,\n laneToLabelMap,\n laneToReactMeasureMap,\n ...rest\n }
= currentTimelineData;\n\n timelineData = {\n ...rest,\n\n // Most of the data is safe to parse as-is,\n
// but we need to convert the nested Arrays back to Maps.\n // Most of the data is safe to serialize as-is,\n
// but we need to convert the Maps to nested Arrays.\n batchUIDToMeasuresKeyValueArray: Array.from(\n
batchUIDToMeasuresMap.entries(),\n ),\n internalModuleSourceToRanges: Array.from(\n
internalModuleSourceToRanges.entries(),\n ),\n laneToLabelKeyValueArray:
Array.from(laneToLabelMap.entries(),\n laneToReactMeasureKeyValueArray: Array.from(\n
laneToReactMeasureMap.entries(),\n ),\n );\n }\n }\n\n return {\n dataForRoots,\n
rendererID,\n timelineData,\n };\n }\n\n function startProfiling(shouldRecordChangeDescriptions: boolean)
{\n if (isProfiling) {\n return;\n }\n\n recordChangeDescriptions = shouldRecordChangeDescriptions;\n\n
// Capture initial values as of the time profiling starts.\n // It's important we snapshot both the durations and the id-
to-root map,\n // since either of these may change during the profiling session\n // (e.g. when a fiber is re-
rendered or when a fiber gets removed).\n displayNamesByRootID = new Map();\n
initialTreeBaseDurationsMap = new Map(idToTreeBaseDurationMap);\n initialIDToRootMap = new
Map(idToRootMap);\n idToContextsMap = new Map();\n\n hook.getFiberRoots(rendererID).forEach(root =>
{\n const rootID = getFiberIDThrows(root.current);\n ((displayNamesByRootID: any):
DisplayNamesByRootID).set(\n rootID,\n getDisplayNameForRoot(root.current),\n );\n\n if
(shouldRecordChangeDescriptions) {\n // Record all contexts at the time profiling is started.\n // Fibers only
store the current context value,\n // so we need to track them separately in order to determine changed keys.\n

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    crawlToInitializeContextsMap(root.current);\n    });\n\n    isProfiling = true;\n    profilingStartTime =\n    getCurrentTime();\n    rootToCommitProfilingMetadataMap = new Map();\n\n    if (toggleProfilingStatus !== null)\n    {\n      toggleProfilingStatus(true);\n    }\n\n    function stopProfiling() {\n      isProfiling = false;\n      recordChangeDescriptions = false;\n\n      if (toggleProfilingStatus !== null) {\n        toggleProfilingStatus(false);\n      }\n    }\n\n    // Automatically start profiling so that we don't miss timing info from initial \"mount\".\n    if (\n    sessionStorage.getItem(SESSION_STORAGE_RELOAD_AND_PROFILE_KEY) === 'true'\n    ) {\n      startProfiling(\n        sessionStorage.getItem(SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY)\n        ===\n        'true',\n        );\n    }\n\n    // React will switch between these implementations depending on whether\n    // we have any manually suspended/errored-out Fibers or not.\n    function shouldErrorFiberAlwaysNull() {\n      return\n      null;\n    }\n\n    // Map of id and its force error status: true (error), false (toggled off),\n    // null (do nothing)\n    const\n    forceErrorForFiberIDs = new Map<number | null, $FlowFixMe>();\n\n    function\n    shouldErrorFiberAccordingToMap(fiber: any) {\n      if (typeof setErrorHandler !== 'function') {\n        throw new\n        Error(\n          'Expected overrideError() to not get called for earlier React versions.',\n          );\n      }\n\n      const id =\n      getFiberIDUnsafe(fiber);\n      if (id === null) {\n        return null;\n      }\n\n      let status = null;\n      if\n      (forceErrorForFiberIDs.has(id)) {\n        status = forceErrorForFiberIDs.get(id);\n        if (status === false) {\n          //\n          TRICKY overrideError adds entries to this Map,\n          // so ideally it would be the method that clears them too,\n          // but that would break the functionality of the feature,\n          // since DevTools needs to tell React to act differently\n          // than it normally would\n          // (don't just re-render the failed boundary, but reset its errored state too).\n          // So\n          // we can only clear it after telling React to reset the state.\n          // Technically this is premature and we should\n          // schedule it for later,\n          // since the render could always fail without committing the updated error boundary,\n          // but since this is a DEV-only feature, the simplicity is worth the trade off.\n          forceErrorForFiberIDs.delete(id);\n          if (forceErrorForFiberIDs.size === 0) {\n            // Last override is gone.\n            Switch React back to fast path.\n            setErrorHandler(shouldErrorFiberAlwaysNull);\n          }\n        }\n      }\n\n      return status;\n    }\n\n    function overrideError(id: number, forceError: boolean) {\n      if (\n        typeof setErrorHandler\n        !== 'function' ||\n        typeof scheduleUpdate\n        !== 'function'\n      ) {\n        throw new Error(\n          'Expected\n          overrideError() to not get called for earlier React versions.',\n          );\n      }\n\n      forceErrorForFiberIDs.set(id,\n      forceError);\n\n      if (forceErrorForFiberIDs.size === 1) {\n        // First override is added. Switch React to slower\n        path.\n        setErrorHandler(shouldErrorFiberAccordingToMap);\n      }\n\n      const fiber =\n      idToArbitraryFiberMap.get(id);\n      if (fiber !== null) {\n        scheduleUpdate(fiber);\n      }\n    }\n\n    function\n    shouldSuspendFiberAlwaysFalse() {\n      return false;\n    }\n\n    const forceFallbackForSuspenseIDs = new\n    Set<number>();\n\n    function shouldSuspendFiberAccordingToSet(fiber: any) {\n      const maybeID =\n      getFiberIDUnsafe(((fiber: any): Fiber));\n      return maybeID !== null &&\n      forceFallbackForSuspenseIDs.has(maybeID);\n    }\n\n    function overrideSuspense(id: number, forceFallback:\n    boolean) {\n      if (\n        typeof setSuspenseHandler\n        !== 'function' ||\n        typeof scheduleUpdate\n        !== 'function'\n      ) {\n        throw new Error(\n          'Expected\n          overrideSuspense() to not get called for earlier React versions.',\n          );\n      }\n\n      if (forceFallback) {\n        forceFallbackForSuspenseIDs.add(id);\n        if (forceFallbackForSuspenseIDs.size\n        === 1) {\n          // First override is added. Switch React to slower path.\n          setSuspenseHandler(shouldSuspendFiberAccordingToSet);\n        }\n      } else {\n        forceFallbackForSuspenseIDs.delete(id);\n        if (forceFallbackForSuspenseIDs.size === 0) {\n          // Last override\n          is gone. Switch React back to fast path.\n          setSuspenseHandler(shouldSuspendFiberAlwaysFalse);\n        }\n      }\n\n      const fiber = idToArbitraryFiberMap.get(id);\n      if (fiber !== null) {\n        scheduleUpdate(fiber);\n      }\n    }\n\n    // Remember if we're trying to restore the selection after reload.\n    // In that case, we'll do some extra checks for\n    matching mounts.\n    let trackedPath: Array<PathFrame> | null = null;\n    let trackedPathMatchFiber: Fiber | null =\n    null;\n    let trackedPathMatchDepth = -1;\n    let mightBeOnTrackedPath = false;\n\n    function setTrackedPath(path:\n    Array<PathFrame> | null) {\n      if (path === null) {\n        trackedPathMatchFiber = null;\n        trackedPathMatchDepth = -1;\n        mightBeOnTrackedPath = false;\n      }\n      trackedPath = path;\n    }\n\n    // We call\n    this before traversing a new mount.\n    // It remembers whether this Fiber is the next best match for tracked path.\n    // The return value signals whether we should keep matching siblings or not.\n    function

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updateTrackedPathStateBeforeMount(fiber: Fiber): boolean {\n  if (trackedPath === null ||
!mightBeOnTrackedPath) {\n    // Fast path: there's nothing to track so do nothing and ignore siblings.\n    return
false;\n  }\n  const returnFiber = fiber.return;\n  const returnAlternate = returnFiber !== null ?
returnFiber.alternate : null;\n  // By now we know there's some selection to restore, and this is a new Fiber.\n  // Is
this newly mounted Fiber a direct child of the current best match?\n  // (This will also be true for new roots if we
haven't matched anything yet.)\n  if (\n    trackedPathMatchFiber === returnFiber ||\n    (trackedPathMatchFiber
=== returnAlternate && returnAlternate !== null)\n  ) {\n    // Is this the next Fiber we should select? Let's
compare the frames.\n    const actualFrame = getPathFrame(fiber);\n    // $FlowFixMe[incompatible-use] found
when upgrading Flow\n    const expectedFrame = trackedPath[trackedPathMatchDepth + 1];\n    if
(expectedFrame === undefined) {\n      throw new Error('Expected to see a frame at the next depth.);\n    }\n    if
(\n      actualFrame.index === expectedFrame.index &&\n      actualFrame.key === expectedFrame.key &&\n      actualFrame.displayName === expectedFrame.displayName\n    ) {\n      // We have our next match.\n
trackedPathMatchFiber = fiber;\n      trackedPathMatchDepth++;\n      // Are we out of frames to match?\n      //
$FlowFixMe[incompatible-use] found when upgrading Flow\n      if (trackedPathMatchDepth ===
trackedPath.length - 1) {\n        // There's nothing that can possibly match afterwards.\n        // Don't check the
children.\n        mightBeOnTrackedPath = false;\n      } else {\n        // Check the children, as they might reveal
the next match.\n        mightBeOnTrackedPath = true;\n      }\n      // In either case, since we have a match, we
don't need\n      // to check the siblings. They'll never match.\n      return false;\n    }\n  }\n  // This Fiber's
parent is on the path, but this Fiber itself isn't.\n  // There's no need to check its children--they won't be on the path
either.\n  mightBeOnTrackedPath = false;\n  // However, one of its siblings may be on the path so keep
searching.\n  return true;\n }\n\n function updateTrackedPathStateAfterMount(\n
mightSiblingsBeOnTrackedPath: boolean,\n ) {\n  // updateTrackedPathStateBeforeMount() told us whether to
match siblings.\n  // Now that we're entering siblings, let's use that information.\n  mightBeOnTrackedPath =
mightSiblingsBeOnTrackedPath;\n }\n\n // Roots don't have a real persistent identity.\n // A root's "pseudo key"\n
is "childDisplayName:indexWithThatName".\n // For example, "App:0" or, in case of similar roots, "Story:0",
"Story:1", etc.\n // We will use this to try to disambiguate roots when restoring selection between reloads.\n const
rootPseudoKeys: Map<number, string> = new Map();\n const rootDisplayNameCounter: Map<string, number> =
new Map();\n\n function setRootPseudoKey(id: number, fiber: Fiber) {\n  const name =
getDisplayDisplayNameForRoot(fiber);\n  const counter = rootDisplayNameCounter.get(name) || 0;\n
rootDisplayNameCounter.set(name, counter + 1);\n  const pseudoKey = `${name}:${counter}`;\n
rootPseudoKeys.set(id, pseudoKey);\n }\n\n function removeRootPseudoKey(id: number) {\n  const pseudoKey =
rootPseudoKeys.get(id);\n  if (pseudoKey === undefined) {\n    throw new Error('Expected root pseudo key to be
known.);\n  }\n  const name = pseudoKey.slice(0, pseudoKey.lastIndexOf(':));\n  const counter =
rootDisplayNameCounter.get(name);\n  if (counter === undefined) {\n    throw new Error('Expected counter to be
known.);\n  }\n  if (counter > 1) {\n    rootDisplayNameCounter.set(name, counter - 1);\n  } else {\n
rootDisplayNameCounter.delete(name);\n  }\n  rootPseudoKeys.delete(id);\n }\n\n function
getDisplayDisplayNameForRoot(fiber: Fiber): string {\n  let preferredDisplayName = null;\n  let fallbackDisplayName =
null;\n  let child = fiber.child;\n  // Go at most three levels deep into direct children\n  // while searching for a
child that has a displayName.\n  for (let i = 0; i < 3; i++) {\n    if (child === null) {\n      break;\n    }\n    const
displayName = getDisplayDisplayNameForFiber(child);\n    if (displayName !== null) {\n      // Prefer display names that
we get from user-defined components.\n      // We want to avoid using e.g. 'Suspense' unless we find nothing else.\n
      if (typeof child.type === 'function') {\n        // There's a few user-defined tags, but we'll prefer the ones\n
// that are usually explicitly named (function or class components).\n        preferredDisplayName = displayName;\n
      } else if (fallbackDisplayName === null) {\n        fallbackDisplayName = displayName;\n      }\n    }\n    if
(preferredDisplayName !== null) {\n      break;\n    }\n    child = child.child;\n  }\n  return
preferredDisplayName || fallbackDisplayName || 'Anonymous';\n }\n\n function getPathFrame(fiber: Fiber):
PathFrame {\n  const {key} = fiber;\n  let displayName = getDisplayDisplayNameForFiber(fiber);\n  const index =
fiber.index;\n  switch (fiber.tag) {\n    case HostRoot:\n      // Roots don't have a real displayName, index, or

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key.\n    // Instead, we'll use the pseudo key (childDisplayName:indexWithThatName).\n    const id =
getFiberIDThrows(fiber);\n    const pseudoKey = rootPseudoKeys.get(id);\n    if (pseudoKey === undefined)
{\n    throw new Error('Expected mounted root to have known pseudo key.');https://github.com/facebook/react/issues/19099\n    const props = {\n    configurable: true,\n    enumerable: true,\n
value: disabledLog,\n    writable: true,\n    };\n    // $FlowFixMe[cannot-write] Flow thinks console is
immutable.\n    Object.defineProperties(console, {\n    info: props,\n    log: props,\n    warn: props,\n    error:
props,\n    group: props,\n    groupCollapsed: props,\n    groupEnd: props,\n    });\n    /* eslint-enable react-
internal/no-production-logging */\n    }\n    disabledDepth++;\n    }\n\nexport function reenableViewLogs(): void {\n

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disabledDepth--;\n if (disabledDepth === 0) {\n  /* eslint-disable react-internal/no-production-logging */\n  const
props = {\n   configurable: true,\n   enumerable: true,\n   writable: true,\n   };;\n  // $FlowFixMe[cannot-write]
Flow thinks console is immutable.\n  Object.defineProperties(console, {\n   log: {...props, value: prevLog},\n
info: {...props, value: prevInfo},\n   warn: {...props, value: prevWarn},\n   error: {...props, value: prevError},\n
group: {...props, value: prevGroup},\n   groupCollapsed: {...props, value: prevGroupCollapsed},\n   groupEnd:
{...props, value: prevGroupEnd},\n   });;\n  /* eslint-enable react-internal/no-production-logging */\n };\n
if (disabledDepth < 0) {\n  console.error(\n   'disabledDepth fell below zero. ' +\n   'This is a bug in React. Please
file an issue.);\n };\n }\n\n",/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n *
@flow\n */\n\n// This is a DevTools fork of ReactComponentStackFrame.\n// This fork enables DevTools to use the
same \"native\" component stack format,\n// while still maintaining support for multiple renderer versions\n// (which
use different values for ReactTypeOfWork).\n\nimport type {LazyComponent} from 'react/src/ReactLazy';\nimport
type {CurrentDispatcherRef} from './types';\n\nimport {\n  FORWARD_REF_NUMBER,\n  FORWARD_REF_SYMBOL_STRING,\n  LAZY_NUMBER,\n  LAZY_SYMBOL_STRING,\n  MEMO_NUMBER,\n  MEMO_SYMBOL_STRING,\n  SUSPENSE_NUMBER,\n  SUSPENSE_SYMBOL_STRING,\n  SUSPENSE_LIST_NUMBER,\n  SUSPENSE_LIST_SYMBOL_STRING,\n}
from './ReactSymbols';\n\n// The shared console patching code is DEV-only.\n// We can't use it since DevTools only
ships production builds.\nimport {disableLogs, reenableViewLogs} from './DevToolsConsolePatching';\n\nlet
prefix;\n\nexport function describeBuiltInComponentFrame(\n  name: string,\n  ownerFn: void | null | Function,\n):
string {\n  if (prefix === undefined) {\n    // Extract the VM specific prefix used by each line.\n    try {\n      throw
Error();\n    } catch (x) {\n      const match = x.stack.trim().match(/^\\n( *(at) ?)/);\n      prefix = (match && match[1])
|| \"\";\n    }\n  }\n  // We use the prefix to ensure our stacks line up with native stack frames.\n  return '\\n' +
prefix +\n  name;\n}\n\nlet reentry = false;\nlet componentFrameCache;\n\nif (__DEV__) {\n  const PossiblyWeakMap =
typeof WeakMap === 'function' ? WeakMap : Map;\n  componentFrameCache = new PossiblyWeakMap<$FlowFixMe,
string>();\n}\n\nexport function describeNativeComponentFrame(\n  fn: Function,\n  construct: boolean,\n  currentDispatcherRef: CurrentDispatcherRef,\n): string {\n  // If something asked for a stack inside a fake render, it
should get ignored.\n  if (!fn || reentry) {\n    return \"\";\n  }\n  if (__DEV__) {\n    const frame =
componentFrameCache.get(fn);\n    if (frame !== undefined) {\n      return frame;\n    }\n  }\n  let control;\n  const
previousPrepareStackTrace = Error.prepareStackTrace;\n  // $FlowFixMe[incompatible-type] It does accept undefined.\n  Error.prepareStackTrace = undefined;\n  reentry = true;\n  // Override the dispatcher so effects
scheduled by this shallow render are thrown away.\n  // Note that unlike the code this was forked from (in
ReactComponentStackFrame)\n  // DevTools should override the dispatcher even when DevTools is compiled in
production mode,\n  // because the app itself may be in development mode and log errors/warnings.\n  const
previousDispatcher = currentDispatcherRef.current;\n  currentDispatcherRef.current = null;\n  disableLogs();\n  try {\n    // This should throw.\n    if (construct) {\n      // Something should be setting the props in the constructor.\n      const Fake =
function () {\n        throw Error();\n      };\n      // $FlowFixMe[prop-missing]\n      Object.defineProperty(Fake.prototype, 'props', {\n        set: function () {\n          // We use a throwing setter instead
of frozen or non-writable props\n          // because that won't throw in a non-strict mode function.\n          throw
Error();\n        },\n      });\n      if (typeof Reflect === 'object' && Reflect.construct) {\n        // We construct a
different control for this case to include any extra\n        // frames added by the construct call.\n        try {\n          Reflect.construct(Fake, []);\n        } catch (x) {\n          control = x;\n        }\n        Reflect.construct(fn, [], Fake);\n      }
else {\n        try {\n          Fake.call();\n        } catch (x) {\n          control = x;\n        }\n        // $FlowFixMe[prop-missing] found when upgrading Flow\n        fn.call(Fake.prototype);\n      } else {\n        try {\n          throw
Error();\n        } catch (x) {\n          control = x;\n        }\n        fn();\n      }\n    } catch (sample) {\n      // This is inlined
manually because closure doesn't do it for us.\n      if (sample && control && typeof sample.stack === 'string') {\n        // This extracts the first frame from the sample that isn't also in the control.\n        // Skipping one frame that we
assume is the frame that calls the two.\n        const sampleLines = sample.stack.split('\\n');\n        const controlLines =
control.stack.split('\\n');\n        let s = sampleLines.length - 1;\n        let c = controlLines.length - 1;\n        while (s >= 1

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&& c >= 0 && sampleLines[s] !== controlLines[c]) {\n    // We expect at least one stack frame to be shared.\n    // Typically this will be the root most one. However, stack frames may be\n    // cut off due to maximum stack limits. In this case, one maybe cut off\n    // earlier than the other. We assume that the sample is longer or the same\n    // and there for cut off earlier. So we should find the root most frame in\n    // the sample somewhere in the control.\n    c--;\n    }\n    for (; s >= 1 && c >= 0; s--, c--) {\n        // Next we find the first one that isn't the same which should be the\n        // frame that called our sample function and the control.\n        if (sampleLines[s] !== controlLines[c]) {\n            // In V8, the first line is describing the message but other VMs don't.\n            // If we're about to return the first line, and the control is also on the same\n            // line, that's a pretty good indicator that our sample threw at same line as\n            // the control. I.e. before we entered the sample frame. So we ignore this result.\n            // This can happen if you passed a class to function component, or non-function.\n            if (s !== 1 || c !== 1) {\n                do {\n                    s--;\n                    c--;\n                    // We may still have similar intermediate frames from the construct call.\n                    // The next one that isn't the same should be our match though.\n                    if (c < 0 || sampleLines[s] !== controlLines[c]) {\n                        // V8 adds a \"new\" prefix for native classes. Let's remove it to make it prettier.\n                        const frame = '\\n' + sampleLines[s].replace(' at new ', ' at '); \n                        if (__DEV__) {\n                            if (typeof fn === 'function') {\n                                componentFrameCache.set(fn, frame);\n                            }\n                        }\n                        // Return the line we found.\n                        return frame;\n                    }\n                } while (s >= 1 && c >= 0);\n                break;\n            }\n        }\n    } finally {\n        reentry = false;\n        Error.prepareStackTrace = previousPrepareStackTrace;\n        currentDispatcherRef.current = previousDispatcher;\n        reenableViewLogs();\n    }\n    // Fallback to just using the name if we couldn't make it throw.\n    const name = fn ? fn.displayName || fn.name : '';\n    const syntheticFrame = name ? describeBuiltInComponentFrame(name) : '';\n    if (__DEV__) {\n        if (typeof fn === 'function') {\n            componentFrameCache.set(fn, syntheticFrame);\n        }\n    }\n    return syntheticFrame;\n}\n\nexport function describeClassComponentFrame(\n  ctor: Function,\n  ownerFn: void | null | Function,\n  currentDispatcherRef: CurrentDispatcherRef,\n): string {\n  return describeNativeComponentFrame(ctor, true, currentDispatcherRef);\n}\n\nexport function describeFunctionComponentFrame(\n  fn: Function,\n  ownerFn: void | null | Function,\n  currentDispatcherRef: CurrentDispatcherRef,\n): string {\n  return describeNativeComponentFrame(fn, false, currentDispatcherRef);\n}\n\nfunction shouldConstruct(Component: Function) {\n  const prototype = Component.prototype;\n  return !!prototype && prototype.isReactComponent;\n}\n\nexport function describeUnknownElementTypeFrameInDEV(\n  type: any,\n  ownerFn: void | null | Function,\n  currentDispatcherRef: CurrentDispatcherRef,\n): string {\n  if (!__DEV__) {\n    return '';\n  }\n  if (type === null) {\n    return '';\n  }\n  if (typeof type === 'function') {\n    return describeNativeComponentFrame(\n      type,\n      shouldConstruct(type),\n      currentDispatcherRef,\n    );\n  }\n  if (typeof type === 'string') {\n    return describeBuiltInComponentFrame(type, ownerFn);\n  }\n  switch (type) {\n    case SUSPENSE_NUMBER:\n    case SUSPENSE_SYMBOL_STRING:\n      return describeBuiltInComponentFrame('Suspense', ownerFn);\n    case SUSPENSE_LIST_NUMBER:\n    case SUSPENSE_LIST_SYMBOL_STRING:\n      return describeBuiltInComponentFrame('SuspenseList', ownerFn);\n  }\n  if (typeof type === 'object') {\n    switch (type.$$typeof) {\n      case FORWARD_REF_NUMBER:\n      case FORWARD_REF_SYMBOL_STRING:\n        return describeFunctionComponentFrame(\n          type.render,\n          ownerFn,\n          currentDispatcherRef,\n        );\n      case MEMO_NUMBER:\n      case MEMO_SYMBOL_STRING:\n        // Memo may contain any component type so we recursively resolve it.\n        return describeUnknownElementTypeFrameInDEV(\n          type.type,\n          ownerFn,\n          currentDispatcherRef,\n        );\n      case LAZY_NUMBER:\n      case LAZY_SYMBOL_STRING:\n        const lazyComponent: LazyComponent<any, any> = (type: any);\n        const payload = lazyComponent._payload;\n        const init = lazyComponent._init;\n        try {\n          // Lazy may contain any component type so we recursively resolve it.\n          return describeUnknownElementTypeFrameInDEV(\n            init(payload),\n            ownerFn,\n            currentDispatcherRef,\n          );\n        } catch (x) {\n          }\n        }\n    }\n  }\n  return '';\n}\n\n/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * @flow\n */ This is a DevTools fork of

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ReactFiberComponentStack.\n// This fork enables DevTools to use the same \"native\" component stack format,\n// while still maintaining support for multiple renderer versions\n// (which use different values for
ReactTypeOfWork).\n\nimport type {Fiber} from 'react-reconciler/src/ReactInternalTypes';\nimport type
{CurrentDispatcherRef, WorkTagMap} from './types';\nimport {\n  describeBuiltInComponentFrame,\n  describeFunctionComponentFrame,\n  describeClassComponentFrame,\n} from
'./DevToolsComponentStackFrame';\n\nexport function describeFiber(\n  workTagMap: WorkTagMap,\n  workInProgress: Fiber,\n  currentDispatcherRef: CurrentDispatcherRef,\n): string {\n  const {\n    HostComponent,\n    LazyComponent,\n    SuspenseComponent,\n    SuspenseListComponent,\n    FunctionComponent,\n    IndeterminateComponent,\n    SimpleMemoComponent,\n    ForwardRef,\n    ClassComponent,\n  } = workTagMap;\n\n  const owner: null | Function = __DEV__\n    ?\n    workInProgress._debugOwner\n      ? workInProgress._debugOwner.type\n      : null\n      : null;\n\n  switch\n    (workInProgress.tag) {\n    case HostComponent:\n      return\n        describeBuiltInComponentFrame(workInProgress.type, owner);\n    case LazyComponent:\n      return\n        describeBuiltInComponentFrame('Lazy', owner);\n    case SuspenseComponent:\n      return\n        describeBuiltInComponentFrame('Suspense', owner);\n    case SuspenseListComponent:\n      return\n        describeBuiltInComponentFrame('SuspenseList', owner);\n    case FunctionComponent:\n    case\n      IndeterminateComponent:\n    case SimpleMemoComponent:\n      return describeFunctionComponentFrame(\n        workInProgress.type,\n        owner,\n        currentDispatcherRef,\n      );\n    case ForwardRef:\n      return\n        describeFunctionComponentFrame(\n          workInProgress.type.render,\n          owner,\n          currentDispatcherRef,\n        );\n    case ClassComponent:\n      return describeClassComponentFrame(\n        workInProgress.type,\n        owner,\n        currentDispatcherRef,\n      );\n    default:\n      return \"\n    }\n  }\n\n  export function\n    getStackByFiberInDevAndProd(\n      workTagMap: WorkTagMap,\n      workInProgress: Fiber,\n      currentDispatcherRef: CurrentDispatcherRef,\n): string {\n    try {\n      let info = \"\n      let node: Fiber =\n        workInProgress;\n      do {\n        info += describeFiber(workTagMap, node, currentDispatcherRef);\n        //\n        $FlowFixMe[incompatible-type] we bail out when we get a null\n        node = node.return;\n      } while (node);\n      return info;\n    } catch (x) {\n      return \"\n      Error generating stack: ' + x.message + \"\n      \" + x.stack;\n    }\n  }\n\n  Copyright (c) Meta Platforms, Inc. and affiliates.\n  * This source code is licensed under the MIT license found\n  in the\n  * LICENSE file in the root directory of this source tree.\n  * @flow\n  * /\n\n  // ATTENTION\n  // When\n  adding new symbols to this file,\n  // Please consider also adding to 'react-devtools-\n  shared/src/backend/ReactSymbols'\n\n  // The Symbol used to tag the ReactElement-like types.\n  export const\n    REACT_ELEMENT_TYPE: symbol = Symbol.for('react.element');\n  export const REACT_PORTAL_TYPE:\n    symbol = Symbol.for('react.portal');\n  export const REACT_FRAGMENT_TYPE: symbol =\n    Symbol.for('react.fragment');\n  export const REACT_STRICT_MODE_TYPE: symbol =\n    Symbol.for('react.strict_mode');\n  export const REACT_PROFILER_TYPE: symbol =\n    Symbol.for('react.profiler');\n  export const REACT_PROVIDER_TYPE: symbol =\n    Symbol.for('react.provider');\n  export const REACT_CONTEXT_TYPE: symbol =\n    Symbol.for('react.context');\n  export const REACT_SERVER_CONTEXT_TYPE: symbol = Symbol.for(\n    'react.server_context',\n  );\n  export const REACT_FORWARD_REF_TYPE: symbol =\n    Symbol.for('react.forward_ref');\n  export const REACT_SUSPENSE_TYPE: symbol =\n    Symbol.for('react.suspense');\n  export const REACT_SUSPENSE_LIST_TYPE: symbol = Symbol.for(\n    'react.suspense_list',\n  );\n  export const REACT_MEMO_TYPE: symbol = Symbol.for('react.memo');\n  export const\n    REACT_LAZY_TYPE: symbol = Symbol.for('react.lazy');\n  export const REACT_SCOPE_TYPE: symbol =\n    Symbol.for('react.scope');\n  export const REACT_DEBUG_TRACING_MODE_TYPE: symbol = Symbol.for(\n    'react.debug_trace_mode',\n  );\n  export const REACT_OFFSCREEN_TYPE: symbol =\n    Symbol.for('react.offscreen');\n  export const REACT_LEGACY_HIDDEN_TYPE: symbol = Symbol.for(\n    'react.legacy_hidden',\n  );\n  export const REACT_CACHE_TYPE: symbol = Symbol.for('react.cache');\n  export const\n    REACT_TRACING_MARKER_TYPE: symbol = Symbol.for(\n    'react.tracing_marker',\n  );\n  export const\n    REACT_SERVER_CONTEXT_DEFAULT_VALUE_NOT_LOADED: symbol = Symbol.for(\n

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'react.default_value',\n);\n\nexport const REACT_MEMO_CACHE_SENTINEL: symbol = Symbol.for(\n
'react.memo_cache_sentinel',\n);\n\nconst MAYBE_ITERATOR_SYMBOL = Symbol.iterator;\nconst
FAUX_ITERATOR_SYMBOL = '@@iterator';\n\nexport function getIteratorFn(maybeIterable: ?any): ?() =>
?Iterator<any> {\n  if (maybeIterable === null || typeof maybeIterable !== 'object') {\n    return null;\n  }\n  const
maybeIterator =\n    (MAYBE_ITERATOR_SYMBOL && maybeIterable[MAYBE_ITERATOR_SYMBOL]) ||\n    maybeIterable[FAUX_ITERATOR_SYMBOL];\n  if (typeof maybeIterator === 'function') {\n    return
maybeIterator;\n  }\n  return null;\n}\n\n", "var g;\n\n// This works in non-strict mode\ng = (function() {\n  (return
this;\n})();\n\ntry {\n  // This works if eval is allowed (see CSP)\n  (g = g || new Function("return this"))();\n} catch
(e) {\n  // This works if the window reference is available\n  if (typeof window === 'object') g = window;\n}\n\n//
g can still be undefined, but nothing to do about it...\n\n// We return undefined, instead of nothing here, so it's\n//
easier to handle this case. if(!global) { ... }\n\nmodule.exports = g;\n\n", "use strict\n\n// A linked list to keep track of
recently-used-ness\nconst Yallist = require('yallist')\nconst MAX = Symbol('max')\nconst LENGTH =
Symbol('length')\nconst LENGTH_CALCULATOR = Symbol('lengthCalculator')\nconst ALLOW_STALE =
Symbol('allowStale')\nconst MAX_AGE = Symbol('maxAge')\nconst DISPOSE = Symbol('dispose')\nconst
NO_DISPOSE_ON_SET = Symbol('noDisposeOnSet')\nconst LRU_LIST = Symbol('lruList')\nconst CACHE =
Symbol('cache')\nconst UPDATE_AGE_ON_GET = Symbol('updateAgeOnGet')\nconst naiveLength = () =>
1\n\n// lruList is a yallist where the head is the youngest\n// item, and the tail is the oldest. the list contains the
Hit\n// objects as the entries.\n// Each Hit object has a reference to its Yallist.Node. This\n// never changes.\n\n//\n//
cache is a Map (or PseudoMap) that matches the keys to\n// the Yallist.Node object.\n\nclass LRUCache {\n
constructor (options) {\n  if (typeof options === 'number')\n    options = { max: options }\n\n  if (!options)\n
options = {}\n\n  if (options.max && (typeof options.max !== 'number' || options.max < 0))\n    throw new
TypeError('max must be a non-negative number')\n  // Kind of weird to have a default max of Infinity, but oh
well.\n  const max = this[MAX] = options.max || Infinity\n\n  const lc = options.length || naiveLength\n
this[LENGTH_CALCULATOR] = (typeof lc !== 'function') ? naiveLength : lc\n  this[ALLOW_STALE] =
options.stale || false\n  if (options.maxAge && typeof options.maxAge !== 'number')\n    throw new
TypeError('maxAge must be a number')\n  this[MAX_AGE] = options.maxAge || 0\n  this[DISPOSE] =
options.dispose\n  this[NO_DISPOSE_ON_SET] = options.noDisposeOnSet || false\n
this[UPDATE_AGE_ON_GET] = options.updateAgeOnGet || false\n  this.reset()\n }\n\n // resize the cache when
the max changes.\n  set max (mL) {\n    if (typeof mL !== 'number' || mL < 0)\n      throw new TypeError('max must
be a non-negative number')\n\n    this[MAX] = mL || Infinity\n    trim(this)\n  }\n  get max () {\n    return
this[MAX]\n  }\n\n  set allowStale (allowStale) {\n    this[ALLOW_STALE] = !!allowStale\n  }\n  get allowStale ()
{\n    return this[ALLOW_STALE]\n  }\n\n  set maxAge (mA) {\n    if (typeof mA !== 'number')\n      throw new
TypeError('maxAge must be a non-negative number')\n\n    this[MAX_AGE] = mA\n    trim(this)\n  }\n  get
maxAge () {\n    return this[MAX_AGE]\n  }\n\n // resize the cache when the lengthCalculator changes.\n  set
lengthCalculator (IC) {\n    if (typeof IC !== 'function')\n      IC = naiveLength\n\n    if (IC !==
this[LENGTH_CALCULATOR]) {\n      this[LENGTH_CALCULATOR] = IC\n      this[LENGTH] = 0\n
this[LRU_LIST].forEach(hit => {\n        hit.length = this[LENGTH_CALCULATOR](hit.value, hit.key)\n
this[LENGTH] += hit.length\n      })\n    }\n    trim(this)\n  }\n  get lengthCalculator () {\n    return
this[LENGTH_CALCULATOR]\n  }\n\n  get length () {\n    return this[LENGTH]\n  }\n  get itemCount () {\n    return
this[LRU_LIST].length\n  }\n\n  rforEach (fn, thisp) {\n    thisp = thisp || this\n    for (let walker =
this[LRU_LIST].tail; walker !== null;) {\n      const prev = walker.prev\n      forEachStep(this, fn, walker, thisp)\n
walker = prev\n    }\n  }\n\n  forEach (fn, thisp) {\n    thisp = thisp || this\n    for (let walker = this[LRU_LIST].head;
walker !== null;) {\n      const next = walker.next\n      forEachStep(this, fn, walker, thisp)\n      walker = next\n
}\n  }\n\n  keys () {\n    return this[LRU_LIST].toArray().map(k => k.key)\n  }\n\n  values () {\n    return
this[LRU_LIST].toArray().map(k => k.value)\n  }\n\n  reset () {\n    if (this[DISPOSE] &&\n      this[LRU_LIST]
&&\n      this[LRU_LIST].length) {\n      this[LRU_LIST].forEach(hit => this[DISPOSE](hit.key, hit.value))\n
}\n\n    this[CACHE] = new Map() // hash of items by key\n    this[LRU_LIST] = new Yallist() // list of items in
order of use recency\n    this[LENGTH] = 0 // length of items in the list\n  }\n\n  dump () {\n    return

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this[LRU_LIST].map(hit =>\n  isStale(this, hit) ? false : {\n    k: hit.key,\n    v: hit.value,\n    e: hit.now +
(hit.maxAge || 0)\n  }).toArray().filter(h => h)\n }\n\n dumpLru () {\n  return this[LRU_LIST]\n }\n\n set
(key, value, maxAge) {\n  maxAge = maxAge || this[MAX_AGE]\n  if (maxAge && typeof maxAge !==
'number')\n    throw new TypeError('maxAge must be a number')\n  const now = maxAge ? Date.now() : 0\n
const len = this[LENGTH_CALCULATOR](value, key)\n  if (this[CACHE].has(key)) {\n  if (len >
this[MAX]) {\n    del(this, this[CACHE].get(key))\n    return false\n  }\n  const node =
this[CACHE].get(key)\n  const item = node.value\n  // dispose of the old one before overwriting\n  // split
out into 2 ifs for better coverage tracking\n  if (this[DISPOSE]) {\n    if (!this[NO_DISPOSE_ON_SET])\n  this[DISPOSE](key, item.value)\n  }\n  item.now = now\n  item.maxAge = maxAge\n  item.value =
value\n  this[LENGTH] += len - item.length\n  item.length = len\n  this.get(key)\n  trim(this)\n  return
true\n }\n\n  const hit = new Entry(key, value, len, now, maxAge)\n  // oversized objects fall out of cache
automatically.\n  if (hit.length > this[MAX]) {\n  if (this[DISPOSE])\n    this[DISPOSE](key, value)\n  }\n
return false\n }\n\n  this[LENGTH] += hit.length\n  this[LRU_LIST].unshift(hit)\n  this[CACHE].set(key,
this[LRU_LIST].head)\n  trim(this)\n  return true\n }\n\n  has (key) {\n  if (!this[CACHE].has(key)) return
false\n  const hit = this[CACHE].get(key).value\n  return !isStale(this, hit)\n }\n\n  get (key) {\n  return get(this,
key, true)\n }\n\n  peek (key) {\n  return get(this, key, false)\n }\n\n  pop () {\n  const node =
this[LRU_LIST].tail\n  if (!node)\n    return null\n  del(this, node)\n  return node.value\n }\n\n  del (key) {\n
del(this, this[CACHE].get(key))\n }\n\n  load (arr) {\n  // reset the cache\n  this.reset()\n  const now =
Date.now()\n  // A previous serialized cache has the most recent items first\n  for (let l = arr.length - 1; l >= 0; l--)\n
{\n  const hit = arr[l]\n  const expiresAt = hit.e || 0\n  if (expiresAt === 0)\n    // the item was created
without expiration in a non aged cache\n    this.set(hit.k, hit.v)\n  else {\n  const maxAge = expiresAt -
now\n    // dont add already expired items\n    if (maxAge > 0) {\n    this.set(hit.k, hit.v, maxAge)\n    }\n
}\n }\n }\n\n  prune () {\n  this[CACHE].forEach((value, key) => get(this, key, false))\n }\n\n\nconst get =
(self, key, doUse) => {\n  const node = self[CACHE].get(key)\n  if (node) {\n  const hit = node.value\n  if
(isStale(self, hit)) {\n  del(self, node)\n  if (!self[ALLOW_STALE])\n    return undefined\n  } else {\n  if
(doUse) {\n    if (self[UPDATE_AGE_ON_GET])\n      node.value.now = Date.now()\n  self[LRU_LIST].unshiftNode(node)\n  }\n  }\n  return hit.value\n }\n}\n\nconst isStale = (self, hit) => {\n  if
(!hit || (!hit.maxAge && !self[MAX_AGE]))\n  return false\n\n  const diff = Date.now() - hit.now\n  return
hit.maxAge ? diff > hit.maxAge\n  : self[MAX_AGE] && (diff > self[MAX_AGE])\n}\n\nconst trim = self => {\n
if (self[LENGTH] > self[MAX]) {\n  for (let walker = self[LRU_LIST].tail;\n  self[LENGTH] > self[MAX] &&
walker !== null;)\n  // We know that we're about to delete this one, and also\n  // what the next least recently
used key will be, so just\n  // go ahead and set it now.\n  const prev = walker.prev\n  del(self, walker)\n
walker = prev\n  }\n }\n\nconst del = (self, node) => {\n  if (node) {\n  const hit = node.value\n  if
(self[DISPOSE])\n  self[DISPOSE](hit.key, hit.value)\n  self[LENGTH] -= hit.length\n  self[CACHE].delete(hit.key)\n  self[LRU_LIST].removeNode(node)\n }\n}\n\n\nclass Entry {\n  constructor (key,
value, length, now, maxAge) {\n  this.key = key\n  this.value = value\n  this.length = length\n  this.now =
now\n  this.maxAge = maxAge || 0\n }\n}\n\nconst forEachStep = (self, fn, node, thisp) => {\n  let hit =
node.value\n  if (isStale(self, hit)) {\n  del(self, node)\n  if (!self[ALLOW_STALE])\n  hit = undefined\n }\n  if
(hit)\n  fn.call(thisp, hit.value, hit.key, self)\n}\n\nmodule.exports = LRUCache\n", "use strict";\n\nif
(process.env.NODE_ENV === 'production') {\n  module.exports = require('./cjs/react-debug-
tools.production.min.js');\n} else {\n  module.exports = require('./cjs/react-debug-tools.development.js');\n}\n", "
shim for using process in browser\nvar process = module.exports = {};\n\n// cached from whatever global is present
so that test runners that stub it\n// don't break things. But we need to wrap it in a try catch in case it is\n// wrapped in
strict mode code which doesn't define any globals. It's inside a\n// function because try/catches deoptimize in certain
engines.\n\nvar cachedSetTimeout;\nvar cachedClearTimeout;\n\nfunction defaultSetTimeout() {\n  throw new
Error('setTimeout has not been defined');\n}\n\nfunction defaultClearTimeout () {\n  throw new Error('clearTimeout
has not been defined');\n}\n\n(function () {\n  try {\n    if (typeof setTimeout === 'function') {\n
cachedSetTimeout = setTimeout;\n    } else {\n    cachedSetTimeout = defaultSetTimeout;\n    }\n  } catch

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(e) {\n    cachedSetTimeout = defaultSetTimeout;\n  }\n  try {\n    if (typeof clearTimeout === 'function') {\n      cachedClearTimeout = clearTimeout;\n    } else {\n      cachedClearTimeout = defaultClearTimeout;\n    }\n  } catch (e) {\n    cachedClearTimeout = defaultClearTimeout;\n  }\n  })\n  if (cachedSetTimeout === setTimeout) {\n    //normal environments in sane situations\n    return setTimeout(fun,\n    0);\n  }\n  // if setTimeout wasn't available but was latter defined\n  if ((cachedSetTimeout === defaultSetTimeout\n  || !cachedSetTimeout) && setTimeout) {\n    cachedSetTimeout = setTimeout;\n    return setTimeout(fun, 0);\n  }\n  try {\n    // when when somebody has screwed with setTimeout but no I.E. maddness\n    return\n    cachedSetTimeout(fun, 0);\n  } catch(e){\n    try {\n      // When we are in I.E. but the script has been evaled\n      so I.E. doesn't trust the global object when called normally\n      return cachedSetTimeout.call(null, fun, 0);\n    } catch(e){\n      // same as above but when it's a version of I.E. that must have the global object for 'this',\n      hopefully our context correct otherwise it will throw a global error\n      return cachedSetTimeout.call(this, fun,\n      0);\n    }\n  }\n}\n\nfunction runClearTimeout(marker) {\n  if (cachedClearTimeout === clearTimeout) {\n    //normal environments in sane situations\n    return clearTimeout(marker);\n  }\n  // if clearTimeout wasn't\n  // available but was latter defined\n  if ((cachedClearTimeout === defaultClearTimeout || !cachedClearTimeout) &&\n  clearTimeout) {\n    cachedClearTimeout = clearTimeout;\n    return clearTimeout(marker);\n  }\n  try {\n    // when when somebody has screwed with setTimeout but no I.E. maddness\n    return\n    cachedClearTimeout(marker);\n  } catch (e){\n    try {\n      // When we are in I.E. but the script has been\n      evaled so I.E. doesn't trust the global object when called normally\n      return cachedClearTimeout.call(null,\n      marker);\n    } catch (e){\n      // same as above but when it's a version of I.E. that must have the global object\n      for 'this', hopefully our context correct otherwise it will throw a global error.\n      // Some versions of I.E. have\n      different rules for clearTimeout vs setTimeout\n      return cachedClearTimeout.call(this, marker);\n    }\n  }\n}\n\n\n\nvar queue = [];\nvar draining = false;\nvar currentQueue;\nvar queueIndex = -1;\n\nfunction\n  cleanUpNextTick() {\n  if (!draining || !currentQueue) {\n    return;\n  }\n  draining = false;\n  if\n  (currentQueue.length) {\n    queue = currentQueue.concat(queue);\n  } else {\n    queueIndex = -1;\n  }\n  if\n  (queue.length) {\n    drainQueue();\n  }\n}\n\nfunction drainQueue() {\n  if (draining) {\n    return;\n  }\n  var timeout = setTimeout(cleanUpNextTick);\n  draining = true;\n  var len = queue.length;\n  while(len) {\n    currentQueue = queue;\n    queue = [];\n    while (++queueIndex < len) {\n      if (currentQueue) {\n        currentQueue[queueIndex].run();\n      }\n    }\n    queueIndex = -1;\n    len = queue.length;\n  }\n  currentQueue = null;\n  draining = false;\n  runClearTimeout(timeout);\n}\n\nprocess.nextTick = function (fun)\n  {\n  var args = new Array(arguments.length - 1);\n  if (arguments.length > 1) {\n    for (var i = 1; i <\n    arguments.length; i++) {\n      args[i - 1] = arguments[i];\n    }\n  }\n  queue.push(new Item(fun, args));\n  if (queue.length === 1 && !draining) {\n    runTimeout(drainQueue);\n  }\n};\n\n// v8 likes predictable\nobjects\nfunction Item(fun, array) {\n  this.fun = fun;\n  this.array = array;\n}\nItem.prototype.run = function ()\n  {\n  this.fun.apply(null, this.array);\n};\nprocess.title = 'browser';\nprocess.browser = true;\nprocess.env =\n  {};\nprocess.argv = [];\nprocess.version = ""; // empty string to avoid regexp issues\nprocess.versions =\n  {};\n\nfunction noop() {\n}\n\nprocess.on = noop;\nprocess.addListener = noop;\nprocess.once = noop;\nprocess.off =\n  noop;\nprocess.removeListener = noop;\nprocess.removeAllListeners = noop;\nprocess.emit =\n  noop;\nprocess.prependListener = noop;\nprocess.prependOnceListener = noop;\n\nprocess.listeners = function\n  (name) {\n  return []\n}\n\nprocess.binding = function (name) {\n  throw new Error('process.binding is not\n  supported');\n};\n\nprocess.cwd = function () {\n  return ''\n};\n\nprocess.chdir = function (dir) {\n  throw new\n  Error('process.chdir is not supported');\n};\n\nprocess.umask = function() {\n  return 0; }\n\n// ""use strict"\nmodule.exports = Yallist\n\nYallist.Node = Node\nYallist.create = Yallist\n\nfunction Yallist(list) {\n  var self = this\n  if (!(self\n  instanceof Yallist)) {\n    self = new Yallist()\n  }\n  self.tail = null\n  self.head = null\n  self.length = 0\n  if (list\n  && typeof list.forEach === 'function') {\n    list.forEach(function (item) {\n      self.push(item)\n    })\n  } else if\n  (arguments.length > 0) {\n    for (var i = 0, l = arguments.length; i < l; i++) {\n      self.push(arguments[i])\n    }\n  }\n  return self\n}\n\nYallist.prototype.removeNode = function (node) {\n  if (node.list !== this) {\n    throw new\n    Error('removing node which does not belong to this list')\n  }\n  var next = node.next\n  var prev = node.prev\n  if (next) {\n    next.prev = prev\n  }\n  if (prev) {\n    prev.next = next\n  }\n  if (node === this.head) {\n
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this.head = next\n }\n if (node === this.tail) {\n   this.tail = prev\n }\n\n node.list.length--\n node.next = null\n node.prev = null\n node.list = null\n\n return next\n}\n\nYallist.prototype.unshiftNode = function (node) {\n  if\n  (node === this.head) {\n    return\n  }\n\n  if (node.list) {\n    node.list.removeNode(node)\n  }\n\n  var head =\n  this.head\n  node.list = this\n  node.next = head\n  if (head) {\n    head.prev = node\n  }\n\n  this.head = node\n  if\n  (!this.tail) {\n    this.tail = node\n  }\n  this.length++\n}\n\nYallist.prototype.pushNode = function (node) {\n  if\n  (node === this.tail) {\n    return\n  }\n\n  if (node.list) {\n    node.list.removeNode(node)\n  }\n\n  var tail =\n  this.tail\n  node.list = this\n  node.prev = tail\n  if (tail) {\n    tail.next = node\n  }\n\n  this.tail = node\n  if\n  (!this.head) {\n    this.head = node\n  }\n  this.length++\n}\n\nYallist.prototype.push = function () {\n  for (var i = 0,\n  l = arguments.length; i < l; i++) {\n    push(this, arguments[i])\n  }\n  return\n  this.length\n}\n\nYallist.prototype.unshift = function () {\n  for (var i = 0, l = arguments.length; i < l; i++) {\n    unshift(this, arguments[i])\n  }\n  return this.length\n}\n\nYallist.prototype.pop = function () {\n  if (!this.tail) {\n    return undefined\n  }\n\n  var res = this.tail.value\n  this.tail = this.tail.prev\n  if (this.tail) {\n    this.tail.next = null\n  }\n  else {\n    this.head = null\n  }\n  this.length--\n  return res\n}\n\nYallist.prototype.shift = function () {\n  if\n  (!this.head) {\n    return undefined\n  }\n\n  var res = this.head.value\n  this.head = this.head.next\n  if (this.head) {\n    this.head.prev = null\n  }\n  else {\n    this.tail = null\n  }\n  this.length--\n  return res\n}\n\nYallist.prototype.forEach = function (fn, thisp) {\n  thisp = thisp || this\n  for (var walker = this.head, i = 0; walker !== null; i++) {\n    fn.call(thisp, walker.value, i, this)\n    walker = walker.next\n  }\n}\n\nYallist.prototype.forEachReverse = function\n  (fn, thisp) {\n  thisp = thisp || this\n  for (var walker = this.tail, i = this.length - 1; walker !== null; i--) {\n    fn.call(thisp, walker.value, i, this)\n    walker = walker.prev\n  }\n}\n\nYallist.prototype.get = function (n) {\n  for\n  (var i = 0, walker = this.head; walker !== null && i < n; i++) {\n    // abort out of the list early if we hit a cycle\n    walker = walker.next\n  }\n  if (i === n && walker !== null) {\n    return walker.value\n  }\n}\n\nYallist.prototype.getReverse = function (n) {\n  for (var i = 0, walker = this.tail; walker !== null && i < n;\n  i++) {\n    // abort out of the list early if we hit a cycle\n    walker = walker.prev\n  }\n  if (i === n && walker !==\n  null) {\n    return walker.value\n  }\n}\n\nYallist.prototype.map = function (fn, thisp) {\n  thisp = thisp || this\n  var\n  res = new Yallist()\n  for (var walker = this.head; walker !== null;) {\n    res.push(fn.call(thisp, walker.value, this))\n    walker = walker.next\n  }\n  return res\n}\n\nYallist.prototype.mapReverse = function (fn, thisp) {\n  thisp = thisp ||\n  this\n  var res = new Yallist()\n  for (var walker = this.tail; walker !== null;) {\n    res.push(fn.call(thisp,\n    walker.value, this))\n    walker = walker.prev\n  }\n  return res\n}\n\nYallist.prototype.reduce = function (fn, initial)\n  {\n  var acc\n  var walker = this.head\n  if (arguments.length > 1) {\n    acc = initial\n  }\n  else if (this.head) {\n    walker = this.head.next\n    acc = this.head.value\n  }\n  else {\n    throw new TypeError('Reduce of empty list with no\n    initial value')\n  }\n\n  for (var i = 0; walker !== null; i++) {\n    acc = fn(acc, walker.value, i)\n    walker =\n    walker.next\n  }\n\n  return acc\n}\n\nYallist.prototype.reduceReverse = function (fn, initial) {\n  var acc\n  var\n  walker = this.tail\n  if (arguments.length > 1) {\n    acc = initial\n  }\n  else if (this.tail) {\n    walker = this.tail.prev\n    acc = this.tail.value\n  }\n  else {\n    throw new TypeError('Reduce of empty list with no initial value')\n  }\n\n  for\n  (var i = this.length - 1; walker !== null; i--) {\n    acc = fn(acc, walker.value, i)\n    walker = walker.prev\n  }\n\n  return acc\n}\n\nYallist.prototype.toArray = function () {\n  var arr = new Array(this.length)\n  for (var i = 0, walker\n  = this.head; walker !== null; i++) {\n    arr[i] = walker.value\n    walker = walker.next\n  }\n  return\n  arr\n}\n\nYallist.prototype.toArrayReverse = function () {\n  var arr = new Array(this.length)\n  for (var i = 0,\n  walker = this.tail; walker !== null; i++) {\n    arr[i] = walker.value\n    walker = walker.prev\n  }\n  return\n  arr\n}\n\nYallist.prototype.slice = function (from, to) {\n  to = to || this.length\n  if (to < 0) {\n    to += this.length\n  }\n  from = from || 0\n  if (from < 0) {\n    from += this.length\n  }\n  var ret = new Yallist()\n  if (to < from || to < 0)\n  {\n    return ret\n  }\n  if (from < 0) {\n    from = 0\n  }\n  if (to > this.length) {\n    to = this.length\n  }\n  for (var i =\n  0, walker = this.head; walker !== null && i < from; i++) {\n    walker = walker.next\n  }\n  for (; walker !== null\n  && i < to; i++, walker = walker.next) {\n    ret.push(walker.value)\n  }\n  return\n  ret\n}\n\nYallist.prototype.sliceReverse = function (from, to) {\n  to = to || this.length\n  if (to < 0) {\n    to +=\n    this.length\n  }\n  from = from || 0\n  if (from < 0) {\n    from += this.length\n  }\n  var ret = new Yallist()\n  if (to <\n  from || to < 0) {\n    return ret\n  }\n  if (from < 0) {\n    from = 0\n  }\n  if (to > this.length) {\n    to = this.length\n  }\n  for (var i = this.length, walker = this.tail; walker !== null && i > to; i--)\n  {\n    walker = walker.prev\n  }\n  for (;

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walker !== null && i > from; i--, walker = walker.prev) {\n  ret.push(walker.value)\n }\n return
ret\n}\n\nYallist.prototype.splice = function (start, deleteCount /*, ...nodes */) {\n if (start > this.length) {\n  start =
this.length - 1\n }\n if (start < 0) {\n  start = this.length + start;\n }\n\n for (var i = 0, walker = this.head; walker
!== null && i < start; i++) {\n  walker = walker.next\n }\n\n var ret = []\n for (var i = 0; walker && i <
deleteCount; i++) {\n  ret.push(walker.value)\n  walker = this.removeNode(walker)\n }\n if (walker === null)
{\n  walker = this.tail\n }\n\n if (walker !== this.head && walker !== this.tail) {\n  walker = walker.prev\n }\n\n
for (var i = 2; i < arguments.length; i++) {\n  walker = insert(this, walker, arguments[i])\n }\n return
ret;\n}\n\nYallist.prototype.reverse = function () {\n var head = this.head\n var tail = this.tail\n for (var walker =
head; walker !== null; walker = walker.prev) {\n  var p = walker.prev\n  walker.prev = walker.next\n
walker.next = p\n }\n this.head = tail\n this.tail = head\n return this\n}\n\nfunction insert (self, node, value) {\n
var inserted = node === self.head ?\n  new Node(value, null, node, self) :\n  new Node(value, node, node.next,
self)\n\n if (inserted.next === null) {\n  self.tail = inserted\n }\n if (inserted.prev === null) {\n  self.head =
inserted\n }\n\n self.length++\n\n return inserted\n}\n\nfunction push (self, item) {\n self.tail = new Node(item,
self.tail, null, self)\n if (!self.head) {\n  self.head = self.tail\n }\n self.length++\n}\n\nfunction unshift (self, item)
{\n self.head = new Node(item, null, self.head, self)\n if (!self.tail) {\n  self.tail = self.head\n }\n
self.length++\n}\n\nfunction Node (value, prev, next, list) {\n if (!(this instanceof Node)) {\n  return new
Node(value, prev, next, list)\n }\n\n this.list = list\n this.value = value\n\n if (prev) {\n  prev.next = this\n
this.prev = prev\n } else {\n  this.prev = null\n }\n\n if (next) {\n  next.prev = this\n  this.next = next\n } else
{\n  this.next = null\n }\n}\n\ntry {\n // add if support for Symbol.iterator is present\n
require('./iterator.js')(Yallist)\n} catch (er) {}"}\n", "use strict"\nmodule.exports = function (Yallist) {\n
Yallist.prototype[Symbol.iterator] = function* () {\n  for (let walker = this.head; walker; walker = walker.next) {\n
yield walker.value\n  }\n }\n}\n", "/**\n * @license React\n * react-is.production.min.js\n * *\n * Copyright (c)
Meta Platforms, Inc. and affiliates.\n * *\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n * \n'use strict';var
b=Symbol.for("react.element"),c=Symbol.for("react.portal"),d=Symbol.for("react.fragment"),e=Symbol.for("re
act.strict_mode"),f=Symbol.for("react.profiler"),g=Symbol.for("react.provider"),h=Symbol.for("react.context"),
k=Symbol.for("react.server_context"),l=Symbol.for("react.forward_ref"),m=Symbol.for("react.suspense"),n=Sy
mbol.for("react.suspense_list"),p=Symbol.for("react.memo"),q=Symbol.for("react.lazy"),t=Symbol.for("react.o
ffscreen"),u=Symbol.for("react.cache"),v=Symbol.for("react.client.reference");\nfunction
w(a){if("object"===typeof a&&null!==a){var r=a.$$typeof;switch(r){case b:switch(a=a.type,a){case d:case f:case
e:case m:case n:return a;default:switch(a=a&&a.$$typeof,a){case k:case h:case l:case q:case p:case g:return
a;default:return r}}case c:return
r}}exports.ContextConsumer=h;exports.ContextProvider=g;exports.Element=b;exports.ForwardRef=l;exports.Frag
ment=d;exports.Lazy=q;exports.Memo=p;exports.Portal=c;exports.Profiler=f;exports.StrictMode=e;exports.Suspens
e=m;\nexports.SuspenseList=n;exports.isAsyncMode=function(){return!1};exports.isConcurrentMode=function(){r
eturn!1};exports.isContextConsumer=function(a){return w(a)===h};exports.isContextProvider=function(a){return
w(a)===g};exports.isElement=function(a){return"object"===typeof
a&&null!==a&&a.$$typeof===b};exports.isForwardRef=function(a){return
w(a)===l};exports.isFragment=function(a){return w(a)===d};exports.isLazy=function(a){return
w(a)===q};exports.isMemo=function(a){return w(a)===p};\nexports.isPortal=function(a){return
w(a)===c};exports.isProfiler=function(a){return w(a)===f};exports.isStrictMode=function(a){return
w(a)===e};exports.isSuspense=function(a){return w(a)===m};exports.isSuspenseList=function(a){return
w(a)===n};\nexports.isValidElementType=function(a){return"string"===typeof a||"function"===typeof
a||a===d||a===f||a===e||a===m||a===n||a===t||a===u||"object"===typeof
a&&null!==a&&(a.$$typeof===q||a.$$typeof===p||a.$$typeof===g||a.$$typeof===h||a.$$typeof===l||a.$$typeof===
v)||void 0===a.getModuleId)?!0:!1};exports.typeOf=w;\n", "/**\n * @license React\n * react-debug-
tools.production.min.js\n * *\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * *\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n * \n'use strict';var

```

```

h=require("\error-stack-
parser"),p=require("\react"),q=Object.assign,w=p.__SECRET_INTERNALS_DO_NOT_USE_OR_YOU_WILL_
BE_FIRED,x=[],y=null;\nfunction z(){if(null===y){var a=new
Map;try{A.useContext({_currentValue:null}),A.useState(null),A.useReducer(function(c){return
c},null),A.useRef(null),\function\===typeof
A.useCacheRefresh&&A.useCacheRefresh(),A.useLayoutEffect(function(){},A.useInsertionEffect(function(){}),A
.useEffect(function(){}),A.useImperativeHandle(void 0,function(){return
null}),A.useDebugValue(null),A.useCallback(function(){},A.useMemo(function(){return null})}finally{var
b=x;x=[]for(var e=0;e<b.length;e++){var g=b[e];\na.set(g.primitive,h.parse(g.stackError))}y=a}return y}var
B=null;function C(){var a=B;null!==(a&&(B=a.next));return a}\nvar A={readContext:function(a){return
a._currentValue},useCacheRefresh:function(){var
a=C();x.push({primitive:\CacheRefresh\",stackError:Error(),value:null!==(a?a.memoizedState:function(){})});return
function(){},useCallback:function(a){var
b=C();x.push({primitive:\Callback\",stackError:Error(),value:null!==(b?b.memoizedState[0]:a));return
a},useContext:function(a){x.push({primitive:\Context\",stackError:Error(),value:a._currentValue});return
a._currentValue},useEffect:function(a){C();x.push({primitive:\Effect\",stackError:Error(),value:a}),useImperati
veHandle:function(a){C();var b=void 0;null!==(a&&\object\===typeof
a&&(b=a.current);x.push({primitive:\ImperativeHandle\",stackError:Error(),value:b}),useDebugValue:function(a,
b){x.push({primitive:\DebugValue\",stackError:Error(),value:\function\===typeof
b?b(a):a}),useLayoutEffect:function(a){C();x.push({primitive:\LayoutEffect\",stackError:Error(),value:a}),useIn
sertionEffect:function(a){C();x.push({primitive:\InsertionEffect\",stackError:Error(),value:a}),\nuseMemo:functio
n(a){var b=C();a=null!==(b?b.memoizedState[0]:a);x.push({primitive:\Memo\",stackError:Error(),value:a});return
a},useReducer:function(a,b,e){a=C();b=null!==(a?a.memoizedState:void
0!==(e?e(b):b);x.push({primitive:\Reducer\",stackError:Error(),value:b});return[b,function(){}],useRef:function(a)
{var
b=C();a=null!==(b?b.memoizedState:{current:a};x.push({primitive:\Ref\",stackError:Error(),value:a.current});retur
n a},useState:function(a){var b=C();a=null!==(b?b.memoizedState:\function\===typeof
a?\na():a;x.push({primitive:\State\",stackError:Error(),value:a});return[a,function(){}],useTransition:function(){C
();C();x.push({primitive:\Transition\",stackError:Error(),value:void
0});return[!1,function(){}],useMutableSource:function(a,b){C();C();C();C();a=b(a._source);x.push({primitive:\M
utableSource\",stackError:Error(),value:a});return
a},useSyncExternalStore:function(a,b){C();C();a=b();x.push({primitive:\SyncExternalStore\",stackError:Error(),va
lue:a});return a},useDeferredValue:function(a){var
b=\nC();x.push({primitive:\DeferredValue\",stackError:Error(),value:null!==(b?b.memoizedState:a));return
a},useId:function(){var
a=C();a=null!==(a?a.memoizedState:\");x.push({primitive:\Id\",stackError:Error(),value:a});return
a}},D={get:function(a,b){if(a.hasOwnProperty(b))return a[b];a=Error(\Missing method in Dispatcher:
\'+b);a.name=\ReactDebugToolsUnsupportedHookError\";throw a;},E=\undefined\===typeof Proxy?A:new
Proxy(A,D),F=0;\nfunction G(a,b,e){var g=b[e].source,c=0;a.for(;c<a.length;c++)if(a[c].source===g){for(var
k=e+1,r=c+1;k<b.length&&r<a.length;k++,r++)if(a[r].source!==(b[k].source)continue a;return c}return -1}function
H(a,b){if(!a)return!1;b=\"use\"+b;return a.length<b.length?!1:a.lastIndexOf(b)===a.length-b.length}\nfunction
I(a,b,e){for(var g=[],c=null,k=g,r=0,t=[],v=0;v<b.length;v++){var u=b[v];var d=a;var l=h.parse(u.stackError);b:{var
m=l,n=G(m,d,F);if(-1!==(n)d=n;else{for(var f=0;f<d.length&&5>f;f++)if(n=G(m,d,f),-1!==(n){F=f;d=n;break b}d=-
1}}b:{m=l;n=z().get(u.primitive);if(void
0!==(n)for(f=0;f<n.length&&f<m.length;f++)if(n[f].source!==(m[f].source){f<m.length-
1&&H(m[f].functionName,u.primitive)&&f++;f<m.length-
1&&H(m[f].functionName,u.primitive)&&f++;m=f;break b}m=-1}l=-1===d||-1===m||2>d-m?null:l.slice(m,\nd-
1);if(null!==(l){d=0;if(null!==(c){for(;d<l.length&&d<c.length&&l[l.length-d-1].source===c[c.length-d-

```

```

1].source;)+;for(c=c.length-1;c>d;c--)+k=t.pop()}for(c=l.length-d-1;1<=c;c--)+d=[],m=l[c],(n=l[c-
1].functionName)?(f=n.lastIndexOf("\."),-
1===f&&(f=0),\use\===n.slice(f,f+3)&&(f+=3),n=n.slice(f):n=\",n={id:null,isStateEditable:!1,name:n,value:v
oid
0,subHooks:d},e&&(n.hookSource={lineNumber:m.lineNumber,columnNumber:m.columnNumber,functionName:
m.functionName,fileName:m.fileName}),k.push(n),t.push(k),nk=d;c=1}d=u.primitive;u={id:\Context\===d||\De
bugValue\===d?null:r++,isStateEditable:\Reducer\===d||\State\===d,name:d,value:u.value,subHooks:[]};e&&
(d={lineNumber:null,functionName:null,fileName:null,columnNumber:null},l&&1<=l.length&&(l=l[0],d.lineNum
ber=l.lineNumber,d.functionName=l.functionName,d.fileName=l.fileName,d.columnNumber=l.columnNumber),u.h
ookSource=d);k.push(u)}J(g,null);return g}\nfunction J(a,b){for(var e=[],g=0;g<a.length;g++){var
c=a[g];\DebugValue\===c.name&&0===c.subHooks.length?(a.splice(g,1),g--
,e.push(c)):J(c.subHooks,c)}null!=b&&(1===e.length?b.value=e[0].value:1<e.length&&(b.value=e.map(function(
k){return k.value})))}function K(a){if(a instanceof
Error&&\ReactDebugToolsUnsupportedHookError\===a.name)throw a;var b=Error(\Error rendering inspected
component",{cause:a});b.name=\ReactDebugToolsRenderError\;b.cause=a;throw b;}\nfunction L(a,b,e){var
g=3<arguments.length&&void 0!===arguments[3]?arguments[3]:!1,null===e&&(e=w.ReactCurrentDispatcher);var
c=e.current;e.current=E;try{var k=Error();a(b)}catch(t){K(t)}finally{var r=x;x=[];e.current=c}c=h.parse(k);return
I(c,r,g)}function M(a){a.forEach(function(b,e){return
e._currentValue=b})}exports.inspectHooks=L;\nexports.inspectHooksOfFiber=function(a,b){var
e=2<arguments.length&&void
0!===arguments[2]?arguments[2]:!1,null===b&&(b=w.ReactCurrentDispatcher);if(0!===a.tag&&15!===a.tag&&11!===
a.tag)throw Error(\Unknown Fiber. Needs to be a function component to inspect hooks.);z();var
g=a.type,c=a.memoizedProps;if(g!==a.elementType&&g&&g.defaultProps){c=q({},c);var k=g.defaultProps;for(
in k)void 0===c[r]&&(c[r]=k[r])}B=a.memoizedState;var r=new Map;try{for(k=a;k;){if(10===k.tag){var
t=k.type._context;r.has(t)||n(r.set(t,t._currentValue),t._currentValue=k.memoizedProps.value)}k=k.return}if(11===
a.tag){var v=g.render;g=c;var u=a.ref;t=b;var d=t.current;t.current=E;try{var
l=Error();v(g,u)}catch(f){K(f)}finally{var m=x;x=[];t.current=d}var n=h.parse(l);return I(n,m,e)}return
L(g,c,b,e)}finally{B=null,M(r)};\n","(function(root, factory) {\n 'use strict';\n // Universal Module Definition
(UMD) to support AMD, CommonJS/Node.js, Rhino, and browsers.\n\n /* istanbul ignore next */\n if (typeof
define === 'function' && define.amd) {\n define('error-stack-parser', ['stackframe'], factory);\n } else if
(typeof exports === 'object') {\n module.exports = factory(require('stackframe'));\n } else {\n
root.ErrorStackParser = factory(root.StackFrame);\n }\n})(this, function ErrorStackParser(StackFrame) {\n 'use
strict';\n\n var FIREFOX_SAFARI_STACK_REGEXP = /^(@)\S+:\d+;/;\n var
CHROME_IE_STACK_REGEXP = /^s*at .*?(\\S+:\d+|(native))/m;\n var
SAFARI_NATIVE_CODE_REGEXP = /^(eval)?(\\[native code])?$/;\n\n return {\n /**\n * Given an
Error object, extract the most information from it.\n * @param {Error} error object\n * @return
{Array} of StackFrames\n * ^\n parse: function ErrorStackParser$$parse(error) {\n if (typeof
error.stacktrace !== 'undefined' || typeof error['opera#sourceloc'] !== 'undefined') {\n return
this.parseOpera(error);\n } else if (error.stack && error.stack.match(CHROME_IE_STACK_REGEXP)) {\n
return this.parseV8OrIE(error);\n } else if (error.stack) {\n return
this.parseFFOrSafari(error);\n } else {\n throw new Error('Cannot parse given Error object');\n
}\n },\n\n // Separate line and column numbers from a string of the form: (URI:Line:Column)\n
extractLocation: function ErrorStackParser$$extractLocation(urlLike) {\n // Fail-fast but return locations like
\"(native)\" if (urlLike.indexOf(':') === -1) {\n return [urlLike];\n }\n\n var regExp =
/(.+)?(?::(\\d+))?(?::(\\d+))?$/;\n var parts = regExp.exec(urlLike.replace(/[/]/g, ''));\n return [parts[1],
parts[2] || undefined, parts[3] || undefined];\n },\n\n parseV8OrIE: function
ErrorStackParser$$parseV8OrIE(error) {\n var filtered = error.stack.split(\"\\n\").filter(function(line) {\n
return !!line.match(CHROME_IE_STACK_REGEXP);\n }, this);\n\n return

```

```

filtered.map(function(line) {
  if (line.indexOf('eval ') > -1) {
    // Throw away eval
    // information until we implement stacktrace.js/stackframe#8
    line = line.replace(/eval code/g,
'eval').replace(/(\(eval at \[^\]*\)(\|),.*$/g, ");
  }
  var sanitizedLine = line.replace(/^\s+/,
").replace(/(\(eval code/g, '(');
  // capture and preseve the parenthesized location \"(foo/my
bar.js:12:87)\" in
  // case it has spaces in it, as the string is split on \s+ later on
  var location =
sanitizedLine.match(/(\((.+):(\d+):(\d+)\))/);
  // remove the parenthesized location from the line, if it
was matched
  sanitizedLine = location ? sanitizedLine.replace(location[0], ") : sanitizedLine;
  var tokens = sanitizedLine.split(/\s+/).slice(1);
  // if a location was matched, pass it to extractLocation()
  otherwise pop the last token
  var locationParts = this.extractLocation(location ? location[1] :
tokens.pop());
  var functionName = tokens.join(' ') || undefined;
  var fileName = ['eval',
'<anonymous>'].indexOf(locationParts[0]) > -1 ? undefined : locationParts[0];
  return new
StackFrame({
    functionName: functionName,
    fileName: fileName,
    lineNumber: locationParts[1],
    columnNumber: locationParts[2],
    source: line
  });
}, this);
}, parseFFOrSafari: function ErrorStackParser$$parseFFOrSafari(error) {
  var filtered = error.stack.split('\n').filter(function(line) {
    return
!line.match(SAFARI_NATIVE_CODE_REGEXP);
  }, this);
  return filtered.map(function(line)
{
  // Throw away eval information until we implement stacktrace.js/stackframe#8
  if
(line.indexOf(' > eval') > -1) {
    line = line.replace(/ line (\d+)(?: > eval line \d+)* > eval:\d+:\d+/g,
':$1');
  }
  if (line.indexOf('@') === -1 && line.indexOf('.') === -1) {
    // Safari
    eval frames only have function names and nothing else
    return new StackFrame({
      functionName: line
    });
  } else {
    var functionNameRegex =
/((.*\.+|^@*)?[@*])(?:@)/;
    var matches = line.match(functionNameRegex);
    var
functionName = matches && matches[1] ? matches[1] : undefined;
    var locationParts =
this.extractLocation(line.replace(functionNameRegex, ""));
    return new StackFrame({
      functionName: functionName,
      fileName: locationParts[0],
      lineNumber:
locationParts[1],
      columnNumber: locationParts[2],
      source: line
    });
  }
}, this);
}, parseOpera: function ErrorStackParser$$parseOpera(e) {
  if
(!e.stacktrace || (e.message.indexOf('\n') > -1 &&
e.message.split('\n').length >
e.stacktrace.split('\n').length)) {
    return this.parseOpera9(e);
  } else if (!e.stack) {
    return this.parseOpera10(e);
  } else {
    return this.parseOpera11(e);
  }
},
parseOpera9: function ErrorStackParser$$parseOpera9(e) {
  var lineRE = /Line (\d+).*script (?:in
)?(\S+)/i;
  var lines = e.message.split('\n');
  var result = [];
  for (var i = 2, len =
lines.length; i < len; i += 2) {
    var match = lineRE.exec(lines[i]);
    if (match) {
      result.push(new StackFrame({
        fileName: match[2],
        lineNumber: match[1],
        source: lines[i]
      }));
    }
  }
  return result;
},
parseOpera10: function ErrorStackParser$$parseOpera10(e) {
  var lineRE = /Line (\d+).*script (?:in
)?(\S+)(?: In function (\S+))?$/i;
  var lines = e.stacktrace.split('\n');
  var result = [];
  for
(var i = 0, len = lines.length; i < len; i += 2) {
    var match = lineRE.exec(lines[i]);
    if (match)
{
      result.push(new StackFrame({
        functionName: match[3] ||
undefined,
        fileName: match[2],
        lineNumber: match[1],
        source: lines[i]
      }));
    }
  }
  return result;
},
//
Opera 10.65+ Error.stack very similar to FF/Safari
parseOpera11: function
ErrorStackParser$$parseOpera11(error) {
  var filtered = error.stack.split('\n').filter(function(line) {
    return
!!line.match(FIREFOX_SAFARI_STACK_REGEXP) && !line.match(/^Error created at/);
  },
this);
  return filtered.map(function(line) {
    var tokens = line.split('@');
    var
locationParts = this.extractLocation(tokens.pop());
    var functionCall = (tokens.shift() || "");
    var
functionName = functionCall
.replace(/<anonymous function: (\w+)?>/, '$2')
.replace(/^\([^\]*\)/g, ") || undefined";
    var argsRaw;
    if (functionCall.match(/^\([^\]*\)/)) {

```



```

require('./cjs/react.development.js');\n}\n"/**\n * @license React\n * react.production.min.js\n *\n * Copyright (c)
Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n */\n'use strict';var
l=Symbol.for("react.element"),n=Symbol.for("react.portal"),p=Symbol.for("react.fragment"),q=Symbol.for("re
act.strict_mode"),r=Symbol.for("react.profiler"),t=Symbol.for("react.provider"),u=Symbol.for("react.context"),
v=Symbol.for("react.server_context"),w=Symbol.for("react.forward_ref"),x=Symbol.for("react.suspense"),y=Sy
mbol.for("react.suspense_list"),z=Symbol.for("react.memo"),A=Symbol.for("react.lazy"),aa=Symbol.for("react
.debug_trace_mode"),ba=Symbol.for("react.offscreen"),ca=\nSymbol.for("react.cache"),B=Symbol.for("react.de
fault_value"),C=Symbol.iterator;function da(a){if(null===a||"object"!==typeof a)return
null;a=C&&a[C]||a["@iterator"];return"function"===typeof a?a:null}var
D={isMounted:function(){return!1},enqueueForceUpdate:function(){},enqueueReplaceState:function(){},enqueueS
etState:function(){}},E=Object.assign,F={};function
G(a,b,c){this.props=a,this.context=b,this.refs=F,this.updater=c||D}G.prototype.isReactComponent={};\nG.prototyp
e.setState=function(a,b){if("object"!==typeof a&&"function"!==typeof a&&null!=a)throw Error("setState(...):
takes an object of state variables to update or a function which returns an object of state
variables.");this.updater.enqueueSetState(this,a,b,"setState");G.prototype.forceUpdate=function(a){this.updater.e
nqueueForceUpdate(this,a,"forceUpdate");function H(){H.prototype=G.prototype;function
I(a,b,c){this.props=a,this.context=b,this.refs=F,this.updater=c||D}var J=I.prototype=new
H;\nJ.constructor=I;E(J,G.prototype);J.isPureReactComponent=!0;var
K=Array.isArray,L=Object.prototype.hasOwnProperty,M={current:null},N={key:!0,ref:!0,__self:!0,__source:!0};\n
function O(a,b,c){var d,e={},f=null,g=null;if(null!=b)for(d in void 0!==(b.ref&&(g=b.ref),void
0!==(b.key&&(f="\n"+b.key),b)L.call(b,d)&&!N.hasOwnProperty(d)&&(e[d]=b[d]);var h=arguments.length-
2;if(1===h)e.children=c;else if(1<h){for(var
k=Array(h),m=0;m<h;m++)k[m]=arguments[m+2];e.children=k}if(a&&a.defaultProps)for(d in
h=a.defaultProps,h)void
0===e[d]&&(e[d]=h[d]);return {$$typeof:l,type:a,key:f,ref:g,props:e,_owner:M.current}}\nfunction
ea(a,b){return {$$typeof:l,type:a.type,key:b,ref:a.ref,props:a.props,_owner:a._owner}}function
P(a){return"object"===typeof a&&null!=a&&a.$$typeof===l}function escape(a){var
b={"=":"\\=","&":"\\&","<":"\\<",">":"\\>"};return"$"+a.replace(/[/=]/g,function(c){return b[c]}))var Q=/\+/g;function
R(a,b){return"object"===typeof a&&null!=a&&null!=a.key?escape(""+a.key):b.toString(36)}\nfunction
S(a,b,c,d,e){var f=typeof a;if("undefined"===f||"boolean"===f)a=null;var g=!1;if(null===a)g=!0;else
switch(f){case"string":case"number":g=!0;break;case"object":switch(a.$$typeof){case l:case
n:g=!0}}if(g)return
g=a,e=e(g),a="\n"===d?"\n"+R(g,0):d,K(e)?(c="\n",null!=a&&(c=a.replace(Q,"$&^")+("\n")),S(e,b,c,"\n",function(m
))){return
m}):null!=e&&(P(e)&&(e=ea(e,c+(!e.key||g&&g.key===e.key?"\n":("\n"+e.key).replace(Q,"$&^")+("\n")+a)),b.pu
sh(e)),1;g=0;d="\n"===d?"\n":d+"\n";if(K(a))for(var h=0;h<a.length;h++){f=\na[h];var
k=d+R(f,h);g+=S(f,b,c,k,e)}else if(k=da(a),"function"===typeof
k)for(a=k.call(a),h=0;!(f=a.next()).done);f=f.value,k=d+R(f,h++),g+=S(f,b,c,k,e);else if("object"===f)throw
b=String(a),Error("Objects are not valid as a React child (found: "+("[object Object]"+b) object with keys
{"+Object.keys(a).join(",")+"}"+b). If you meant to render a collection of children, use an array
instead.");return g}\nfunction T(a,b,c){if(null===a)return a;var d=[],e=0;S(a,d,"\n","\n",function(f){return
b.call(c,f,e++)});return d}function fa(a){if(-1===a._status){var
b=a._result;b=b();b.then(function(c){if(0===a._status||-
1===a._status)a._status=1,a._result=c},function(c){if(0===a._status||-1===a._status)a._status=2,a._result=c});-
1===a._status&&(a._status=0,a._result=b)}if(1===a._status)return a._result.default;throw a._result;}var
U={current:null};function ha(){return new WeakMap}\nfunction V(){return{s:0,v:void 0,o:null,p:null}}var
W={current:null},X={transition:null},Y={ReactCurrentDispatcher:W,ReactCurrentCache:U,ReactCurrentBatchCo

```

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nfig:X,ReactCurrentOwner:M,ContextRegistry:{},Z=Y.ContextRegistry;\nexports.Children={map:T,forEach:func
tion(a,b,c){T(a,function(){b.apply(this,arguments)},c),count:function(a){var b=0;T(a,function(){b++});return
b},toArray:function(a){return T(a,function(b){return b})||[]},only:function(a){if(!P(a))throw
Error("React.Children.only expected to receive a single React element child.");return
a}};exports.Component=G;exports.Fragment=p;exports.Profiler=r;exports.PureComponent=I;exports.StrictMode=q
;exports.Suspense=x;exports.SuspenseList=y;\nexports.__SECRET_INTERNALS_DO_NOT_USE_OR_YOU_WI
LL_BE_FIRED=Y;\nexports.cache=function(a){return function(){var b=U.current;if(!b)return
a.apply(null,arguments);var c=b.getCacheForType(ha);b=c.get(a);void 0===b&&(b=V(),c.set(a,b));c=0;for(var
d=arguments.length;c<d;c++){var e=arguments[c];if("function"===typeof e||"object"===typeof
e&&null!==(e){var f=b.o;null===f&&(b.o=f=new WeakMap);b=f.get(e);void 0===b&&(b=V(),f.set(e,b))}else
f=b.p,null===f&&(b.p=f=new Map),b=f.get(e),void 0===b&&(b=V(),f.set(e,b))}if(1===b.s)return
b.v;if(2===b.s)throw b.v;try{var g=a.apply(null,\narguments);c=b;c.s=1;return c.v=g} catch(h){throw
g=b,g.s=2,g.v=h,h}}};\nexports.cloneElement=function(a,b,c){if(null===a||void 0===a)throw
Error("React.cloneElement(...): The argument must be a React element, but you passed "+a+".");var
d=E({},a.props),e=a.key,f=a.ref,g=a._owner;if(null!=b){void 0!==b.ref&&(f=b.ref,g=M.current);void
0!==b.key&&(e=""+b.key);if(a.type&&a.type.defaultProps)var h=a.type.defaultProps;for(k in
b)L.call(b,k)&&!N.hasOwnProperty(k)&&(d[k]=void 0===b[k]&&void 0!==h?h[k]:b[k])}var k=arguments.length-
2;if(1===k)d.children=c;else if(1<k){h=Array(k);\nfor(var
m=0;m<k;m++)h[m]=arguments[m+2];d.children=h}return{ $$typeof:l,type:a.type,key:e,ref:f,props:d,_owner:g }};e
xports.createContext=function(a){a={ $$typeof:u,_currentValue:a,_currentValue2:a,_threadCount:0,Provider:null,C
onsumer:null,_defaultValue:null,_globalName:null};a.Provider={ $$typeof:t,_context:a};return
a.Consumer=a};exports.createElement=O;exports.createFactory=function(a){var b=O.bind(null,a);b.type=a;return
b};exports.createRef=function(){return{current:null}};\nexports.createServerContext=function(a,b){var
c=!0;if(!Z[a]){c=!1;var
d={ $$typeof:v,_currentValue:b,_currentValue2:b,_defaultValue:b,_threadCount:0,Provider:null,Consumer:null,_glo
balName:a};d.Provider={ $$typeof:t,_context:d};Z[a]=d;d=Z[a];if(d._defaultValue===B)d._defaultValue=b,d._curr
entValue===B&&(d._currentValue=b),d._currentValue2===B&&(d._currentValue2=b);else if(c)throw
Error("ServerContext: "+a+" already defined");return
d};exports.experimental_useEffectEvent=function(a){return
W.current.useEffectEvent(a)};\nexports.forwardRef=function(a){return{ $$typeof:w,render:a }};exports.isValidElem
ent=P;exports.lazy=function(a){return{ $$typeof:A,_payload:{_status:-
1,_result:a},_init:fa }};exports.memo=function(a,b){return{ $$typeof:z,type:a,compare:void
0===b?null:b }};exports.startTransition=function(a){var
b=X.transition;X.transition={};try{a()}finally{X.transition=b}};exports.unstable_Cache=ca;exports.unstable_Debu
gTracingMode=aa;exports.unstable_Offscreen=ba;\nexports.unstable_act=function(){throw Error("act(...) is not
supported in production builds of React.");};exports.unstable_getCacheForType=function(a){var
b=U.current;return b?b.getCacheForType(a):a();exports.unstable_getCacheSignal=function(){var
a=U.current;return a?a.getCacheSignal():(a=new AbortController,a.abort(Error("This CacheSignal was requested
outside React which means that it is immediately
aborted.")),a.signal)};exports.unstable_useCacheRefresh=function(){return
W.current.useCacheRefresh()};\nexports.unstable_useMemoCache=function(a){return
W.current.useMemoCache(a)};exports.use=function(a){return
W.current.use(a)};exports.useCallback=function(a,b){return
W.current.useCallback(a,b)};exports.useContext=function(a){return
W.current.useContext(a)};exports.useDebugValue=function(){};exports.useDeferredValue=function(a){return
W.current.useDeferredValue(a)};exports.useEffect=function(a,b){return
W.current.useEffect(a,b)};exports.useId=function(){return
W.current.useId()};\nexports.useImperativeHandle=function(a,b,c){return

```



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W.current.useImperativeHandle(a,b,c)};exports.useInsertionEffect=function(a,b){return
W.current.useInsertionEffect(a,b)};exports.useLayoutEffect=function(a,b){return
W.current.useLayoutEffect(a,b)};exports.useMemo=function(a,b){return
W.current.useMemo(a,b)};exports.useReducer=function(a,b,c){return
W.current.useReducer(a,b,c)};exports.useRef=function(a){return
W.current.useRef(a)};exports.useState=function(a){return
W.current.useState(a)};\nexports.useSyncExternalStore=function(a,b,c){return
W.current.useSyncExternalStore(a,b,c)};exports.useTransition=function(){return
W.current.useTransition()};exports.version="18.3.0-experimental-7f8c501f6-20230420";\n", "/*\n * Copyright (c)
Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n *
LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nexport default class
EventEmitter<Events: Object> {\n  listenersMap: Map<string, Array<Function>> = new Map();\n\n  addListener<Event: $Keys<Events>>(\n    event: Event,\n    listener: (...$ElementType<Events, Event>) => any,\n  ): void {\n    const listeners = this.listenersMap.get(event);\n    if (listeners === undefined) {\n      this.listenersMap.set(event, [listener]);\n    } else {\n      const index = listeners.indexOf(listener);\n      if (index < 0)\n        listeners.push(listener);\n    }\n  }\n\n  emit<Event: $Keys<Events>>(\n    event: Event,\n    ...args: $ElementType<Events, Event>\n  ): void {\n    const listeners = this.listenersMap.get(event);\n    if (listeners !== undefined) {\n      if (listeners.length === 1) {\n        // No need to clone or try/catch\n        const listener = listeners[0];\n        listener.apply(null, args);\n      } else {\n        let didThrow = false;\n        let caughtError = null;\n\n        const clonedListeners = Array.from(listeners);\n        for (let i = 0; i < clonedListeners.length; i++) {\n          const listener = clonedListeners[i];\n          try {\n            listener.apply(null, args);\n          } catch (error) {\n            if (caughtError === null) {\n              didThrow = true;\n              caughtError = error;\n            }\n          }\n        }\n\n        if (didThrow) {\n          throw caughtError;\n        }\n      }\n    }\n  }\n\n  removeAllListeners(): void {\n    this.listenersMap.clear();\n  }\n\n  removeListener(event: $Keys<Events>, listener: Function): void {\n    const listeners = this.listenersMap.get(event);\n    if (listeners !== undefined) {\n      const index = listeners.indexOf(listener);\n      if (index >= 0) {\n        listeners.splice(index, 1);\n      }\n    }\n  }\n\n  simpleIsEqual = function simpleIsEqual(a, b) {\n    return a === b;\n  };\n\n  export default function (resultFn) {\n    var isEqual = arguments.length > 1 && arguments[1] !== undefined ? arguments[1] : simpleIsEqual;\n\n    var lastThis = void 0;\n    var lastArgs = [];\n    var lastResult = void 0;\n    var calledOnce = false;\n\n    var isNewArgEqualToLast = function isNewArgEqualToLast(newArg, index) {\n      return isEqual(newArg, lastArgs[index]);\n    };\n\n    var result = function result() {\n      for (var _len = arguments.length, newArgs = Array(_len), _key = 0; _key < _len; _key++)\n        newArgs[_key] = arguments[_key];\n\n      if (calledOnce && lastThis === this && newArgs.length === lastArgs.length && newArgs.every(isNewArgEqualToLast)) {\n        return lastResult;\n      }\n\n      calledOnce = true;\n      lastThis = this;\n      lastArgs = newArgs;\n      lastResult = resultFn.apply(this, newArgs);\n      return lastResult;\n    };\n\n    return result;\n  },"/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nexport interface Rect {\n  bottom: number;\n  height: number;\n  left: number;\n  right: number;\n  top: number;\n  width: number;\n}\n\n// Get the window object for the document that a node belongs to,\n// or return null if it cannot be found (node not attached to DOM,\n// etc).\nexport function getWindow(node: HTML<Element>): typeof window | null {\n  if (!node.ownerDocument) {\n    return null;\n  }\n  return node.ownerDocument.defaultView;\n}\n\n// Get the iframe containing a node, or return null if it cannot\n// be found (node not within iframe, etc).\nexport function getWindowIframe(node: HTML<Element>): HTML<Element> | null {\n  const nodeWindow = getWindow(node);\n  if (nodeWindow) {\n    return nodeWindow.frameElement;\n  }\n  return null;\n}\n\n// Get a bounding client rect for a node, with an\n// offset added to compensate for its border.\nexport function getBoundingClientRectWithBorderOffset(node: HTML<Element>): Rect {\n  const dimensions = getElementDimensions(node);\n  return mergeRectOffsets([\n    node.getBoundingClientRect(),\n    {\n      top: dimensions.borderTop,\n      left: dimensions.borderLeft,\n      bottom: dimensions.borderBottom,\n      right: dimensions.borderRight,\n    }\n  ]);\n  // This width and height won't get used by mergeRectOffsets (since this\n  //

```

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is not the first rect in the array), but we set them so that this
    // object type checks as a ClientRect.
    width:
0,
    height: 0,
  },
]);
// Add together the top, left, bottom, and right properties of
// each ClientRect, but keep the width and height of the first one.
export function mergeRectOffsets(rects: Array<Rect>): Rect {
  return rects.reduce((previousRect, rect) => {
    if (previousRect == null) {
      return rect;
    }
    return {
      top: previousRect.top + rect.top,
      left: previousRect.left + rect.left,
      width: previousRect.width,
      height: previousRect.height,
      bottom: previousRect.bottom + rect.bottom,
      right: previousRect.right + rect.right,
    };
  });
}
// Calculate a boundingClientRect for a node relative to boundaryWindow,
// taking into account any offsets caused by intermediate iframes.
export function getNestedBoundingClientRect(
  node: HTMLElement,
  boundaryWindow: typeof window,
): Rect {
  const ownerIframe = getOwnerIframe(node);
  if (ownerIframe && ownerIframe !== boundaryWindow) {
    const rects: Array<Rect | ClientRect> =
[node.getBoundingClientRect()];
    let currentIframe: null | HTMLElement = ownerIframe;
    let onlyOneMore = false;
    while (currentIframe) {
      const rect = getBoundingClientRectWithBorderOffset(currentIframe);
      rects.push(rect);
      currentIframe = getOwnerIframe(currentIframe);
      if (onlyOneMore) {
        break;
      }
      // We don't want to calculate iframe offsets upwards beyond
      // the iframe containing the boundaryWindow, but we
      // need to calculate the offset relative to the boundaryWindow.
      if (currentIframe && getOwnerWindow(currentIframe) === boundaryWindow) {
        onlyOneMore = true;
      }
    }
    return mergeRectOffsets(rects);
  } else {
    return node.getBoundingClientRect();
  }
}
export function getElementDimensions(domElement: Element): {
  borderBottom: number,
  borderLeft: number,
  borderRight: number,
  borderTop: number,
  marginBottom: number,
  marginLeft: number,
  marginRight: number,
  marginTop: number,
  paddingBottom: number,
  paddingLeft: number,
  paddingRight: number,
  paddingTop: number,
} {
  const calculatedStyle = window.getComputedStyle(domElement);
  return {
    borderLeft: parseInt(calculatedStyle.borderLeftWidth, 10),
    borderRight: parseInt(calculatedStyle.borderRightWidth, 10),
    borderTop: parseInt(calculatedStyle.borderTopWidth, 10),
    borderBottom: parseInt(calculatedStyle.borderBottomWidth, 10),
    marginLeft: parseInt(calculatedStyle.marginLeft, 10),
    marginRight: parseInt(calculatedStyle.marginRight, 10),
    marginTop: parseInt(calculatedStyle.marginTop, 10),
    marginBottom: parseInt(calculatedStyle.marginBottom, 10),
    paddingLeft: parseInt(calculatedStyle.paddingLeft, 10),
    paddingRight: parseInt(calculatedStyle.paddingRight, 10),
    paddingTop: parseInt(calculatedStyle.paddingTop, 10),
    paddingBottom: parseInt(calculatedStyle.paddingBottom, 10),
  };
}
}
/**
 * Copyright (c) Meta Platforms, Inc. and affiliates.
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 */
import { getElementDimensions, getNestedBoundingClientRect } from
'./utils';
import type { Rect } from './utils';
import type Agent from 'react-devtools-shared/src/backend/agent';
type Box = { top: number, left: number, width: number, height: number };
const assign = Object.assign;
// Note that the Overlay components are not affected by the active Theme,
// because they highlight elements in the main Chrome window (outside of devtools).
// The colors below were chosen to roughly match those used by Chrome devtools.
class OverlayRect {
  node: HTMLElement;
  border: HTMLElement;
  padding: HTMLElement;
  content: HTMLElement;
  constructor(doc: Document, container: HTMLElement) {
    this.node = doc.createElement('div');
    this.border = doc.createElement('div');
    this.padding = doc.createElement('div');
    this.content = doc.createElement('div');
    this.border.style.borderColor = overlayStyles.border;
    this.padding.style.borderColor = overlayStyles.padding;
    this.content.style.backgroundColor = overlayStyles.background;
    assign(this.node.style, {
      borderColor: overlayStyles.margin,
      pointerEvents: 'none',
      position: 'fixed',
    });
    this.node.style.zIndex = '1000000';
    this.node.appendChild(this.border);
    this.border.appendChild(this.padding);
    this.padding.appendChild(this.content);
    container.appendChild(this.node);
  }
  remove() {
    if (this.node.parentNode) {
      this.node.parentNode.removeChild(this.node);
    }
  }
  update(box: Rect, dims: any) {
    boxWrap(dims, 'margin', this.node);
    boxWrap(dims, 'border', this.border);
    boxWrap(dims, 'padding', this.padding);
    assign(this.content.style, {
      height: box.height - dims.borderTop - dims.borderBottom -
dims.paddingTop - dims.paddingBottom + 'px',
      width:

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box.width -\n      dims.borderLeft -\n      dims.borderRight -\n      dims.paddingLeft -\n      dims.paddingRight
+\n      'px',\n    });\n    assign(this.node.style, {\n      top: box.top - dims.marginTop + 'px',\n      left: box.left -
dims.marginLeft + 'px',\n    });\n  }\n}\n\nclass OverlayTip {\n  tip: HTMLInputElement;\n  nameSpan:
HTMLInputElement;\n  dimSpan: HTMLInputElement;\n\n  constructor(doc: Document, container: HTMLInputElement) {\n
this.tip = doc.createElement('div');\n  assign(this.tip.style, {\n    display: 'flex',\n    flexFlow: 'row nowrap',\n    backgroundColor: '#333740',\n    borderRadius: '2px',\n    fontFamily:\n      '"SFMono-Regular"',\n      Consolas,\n      '"Liberation Mono"',\n      Menlo,\n      Courier,\n      monospace,\n    fontWeight: 'bold',\n    padding: '3px 5px',\n    pointerEvents: 'none',\n    position: 'fixed',\n    fontSize: '12px',\n    whiteSpace: 'nowrap',\n  });\n\n  this.nameSpan = doc.createElement('span');\n  this.tip.appendChild(this.nameSpan);\n\n  assign(this.nameSpan.style, {\n    color: '#ee78e6',\n    borderRight: '1px solid #aaaaaa',\n    paddingRight:
'0.5rem',\n    marginRight: '0.5rem',\n  });\n  this.dimSpan = doc.createElement('span');\n  this.tip.appendChild(this.dimSpan);\n  assign(this.dimSpan.style, {\n    color: '#d7d7d7',\n  });\n\n  this.tip.style.zIndex = '1000000';\n  container.appendChild(this.tip);\n}\n\n  remove() {\n    if
(this.tip.parentNode) {\n      this.tip.parentNode.removeChild(this.tip);\n    }\n  }\n\n  updateText(name: string,
width: number, height: number) {\n    this.nameSpan.textContent = name;\n    this.dimSpan.textContent =\n      Math.round(width) + 'px × ' + Math.round(height) + 'px';\n  }\n\n  updatePosition(dims: Box, bounds: Box) {\n
const tipRect = this.tip.getBoundingClientRect();\n    const tipPos = findTipPos(dims, bounds, {\n      width:
tipRect.width,\n      height: tipRect.height,\n    });\n    assign(this.tip.style, tipPos.style);\n  }\n}\n\nexport default
class Overlay {\n  window: any;\n  tipBoundsWindow: any;\n  container: HTMLInputElement;\n  tip: OverlayTip;\n  rects:
Array<OverlayRect>;\n  agent: Agent;\n\n  constructor(agent: Agent) {\n    // Find the root window, because
overlays are positioned relative to it.\n    const currentWindow =
window.__REACT_DEVTOOLS_TARGET_WINDOW__ || window;\n    this.window = currentWindow;\n\n    //
When opened in shells/dev, the tooltip should be bound by the app iframe, not by the topmost window.\n    const
tipBoundsWindow = window.__REACT_DEVTOOLS_TARGET_WINDOW__ || window;\n\n    this.tipBoundsWindow = tipBoundsWindow;\n\n    const doc = currentWindow.document;\n    this.container =
doc.createElement('div');\n    this.container.style.zIndex = '1000000';\n\n    this.tip = new OverlayTip(doc,
this.container);\n    this.rects = [];\n\n    this.agent = agent;\n\n    doc.body.appendChild(this.container);\n  }\n\n  remove() {\n    this.tip.remove();\n    this.rects.forEach(rect => {\n      rect.remove();\n    });\n    this.rects.length =
0;\n    if (this.container.parentNode) {\n      this.container.parentNode.removeChild(this.container);\n    }\n  }\n\n  inspect(nodes: Array<HTMLInputElement>, name?: ?string) {\n    // We can't get the size of text nodes or comment
nodes. React as of v15\n    // heavily uses comment nodes to delimit text.\n    const elements = nodes.filter(node =>
node.nodeType === Node.ELEMENT_NODE);\n\n    while (this.rects.length > elements.length) {\n      const rect =
this.rects.pop();\n      rect.remove();\n    }\n    if (elements.length === 0) {\n      return;\n    }\n\n    while
(this.rects.length < elements.length) {\n      this.rects.push(new OverlayRect(this.window.document,
this.container));\n    }\n\n    const outerBox = {\n      top: Number.POSITIVE_INFINITY,\n      right:
Number.NEGATIVE_INFINITY,\n      bottom: Number.NEGATIVE_INFINITY,\n      left:
Number.POSITIVE_INFINITY,\n    };\n    elements.forEach((element, index) => {\n      const box =
getNestedBoundingClientRect(element, this.window);\n      const dims = getElementDimensions(element);\n\n      outerBox.top = Math.min(outerBox.top, box.top - dims.marginTop);\n      outerBox.right = Math.max(\n
outerBox.right,\n      box.left + box.width + dims.marginRight,\n    );\n      outerBox.bottom = Math.max(\n
outerBox.bottom,\n      box.top + box.height + dims.marginBottom,\n    );\n      outerBox.left =
Math.min(outerBox.left, box.left - dims.marginLeft);\n\n      const rect = this.rects[index];\n      rect.update(box,
dims);\n    });\n\n    if (!name) {\n      name = elements[0].nodeName.toLowerCase();\n\n      const node =
elements[0];\n      const rendererInterface =\n        this.agent.getBestMatchingRendererInterface(node);\n      if
(rendererInterface) {\n        const id = rendererInterface.getFiberIDForNative(node, true);\n        if (id) {\n
const ownerName = rendererInterface.getDisplayNameForFiberID(\n          id,\n          true,\n        );\n        if
(ownerName) {\n          name += ' (in ' + ownerName + ')';\n        }\n      }\n    }\n\n    this.tip.updateText(\n      name,\n      outerBox.right - outerBox.left,\n      outerBox.bottom - outerBox.top,\n    );\n  }\n}

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const tipBounds = getNestedBoundingClientRect(\n  this.tipBoundsWindow.document.documentElement,\n  this.window,\n );\n\n this.tip.updatePosition(\n  {\n    top: outerBox.top,\n    left: outerBox.left,\n    height: outerBox.bottom - outerBox.top,\n    width: outerBox.right - outerBox.left,\n  },\n  {\n    top: tipBounds.top + this.tipBoundsWindow.scrollY,\n    left: tipBounds.left + this.tipBoundsWindow.scrollX,\n    height: this.tipBoundsWindow.innerHeight,\n    width: this.tipBoundsWindow.innerWidth,\n  },\n );\n\n}\n\nfunction findTipPos(\n  dims: Box,\n  bounds: Box,\n  tipSize: {height: number, width: number},\n) {\n  const tipHeight = Math.max(tipSize.height, 20);\n  const tipWidth = Math.max(tipSize.width, 60);\n  const margin = 5;\n\n  let top: number | string;\n  if (dims.top + dims.height + tipHeight <= bounds.top + bounds.height) {\n    if (dims.top + dims.height < bounds.top + 0) {\n      top = bounds.top + margin;\n    } else {\n      top = dims.top + dims.height + margin;\n    }\n  } else if (dims.top - tipHeight <= bounds.top + bounds.height) {\n    if (dims.top - tipHeight - margin < bounds.top + margin) {\n      top = bounds.top + margin;\n    } else {\n      top = dims.top - tipHeight - margin;\n    }\n  } else {\n    top = bounds.top + bounds.height - tipHeight - margin;\n  }\n\n  let left: number | string = dims.left + margin;\n  if (dims.left < bounds.left) {\n    left = bounds.left + margin;\n  }\n  if (dims.left + tipWidth > bounds.left + bounds.width) {\n    left = bounds.left + bounds.width - tipWidth - margin;\n  }\n\n  top += 'px';\n  left += 'px';\n  return {\n    style: {top, left},\n  };\n}\n\nfunction boxWrap(dims: any, what: string, node: HTMLElement) {\n  assign(node.style, {\n    borderTopWidth: dims[what + 'Top'] + 'px',\n    borderLeftWidth: dims[what + 'Left'] + 'px',\n    borderRightWidth: dims[what + 'Right'] + 'px',\n    borderBottomWidth: dims[what + 'Bottom'] + 'px',\n    borderStyle: 'solid',\n  });\n}\n\nconst overlayStyles = {\n  background: 'rgba(120, 170, 210, 0.7)',\n  padding: 'rgba(77, 200, 0, 0.3)',\n  margin: 'rgba(255, 155, 0, 0.3)',\n  border: 'rgba(255, 200, 50, 0.3)',\n};\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport type Agent from 'react-devtools-shared/src/backend/agent';\nimport Overlay from './Overlay';\n\nconst SHOW_DURATION = 2000;\n\nlet timeoutID: TimeoutID | null = null;\nlet overlay: Overlay | null = null;\n\nexport function hideOverlay(agent: Agent) {\n  if (window.document === null) {\n    agent.emit('hideNativeHighlight');\n    return;\n  }\n  timeoutID = null;\n\n  if (overlay !== null) {\n    overlay.remove();\n    overlay = null;\n  }\n}\n\nexport function showOverlay(\n  elements: Array<HTMLElement> | null,\n  componentName: string | null,\n  agent: Agent,\n  hideAfterTimeout: boolean,\n) {\n  if (window.document === null) {\n    if (elements != null && elements[0] != null) {\n      agent.emit('showNativeHighlight', elements[0]);\n    }\n    return;\n  }\n\n  if (timeoutID !== null) {\n    clearTimeout(timeoutID);\n  }\n\n  if (elements === null) {\n    return;\n  }\n\n  if (overlay === null) {\n    overlay = new Overlay(agent);\n  }\n\n  overlay.inspect(elements, componentName);\n\n  if (hideAfterTimeout) {\n    timeoutID = setTimeout(() => hideOverlay(agent, SHOW_DURATION);\n  }\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport memoize from 'memoize-one';\nimport throttle from 'lodash.throttle';\nimport Agent from 'react-devtools-shared/src/backend/agent';\nimport {hideOverlay, showOverlay} from './Highlighter';\nimport type {BackendBridge} from 'react-devtools-shared/src/bridge';\n\n// This plug-in provides in-page highlighting of the selected element.\n// It is used by the browser extension and the standalone DevTools shell (when connected to a browser).\n// It is not currently the mechanism used to highlight React Native views.\n// That is done by the React Native Inspector component.\n\nlet iframesListeningTo: Set<HTMLIFrameElement> = new Set();\n\nexport default function setupHighlighter(\n  bridge: BackendBridge,\n  agent: Agent,\n): void {\n  bridge.addListener('clearNativeElementHighlight', clearNativeElementHighlight);\n  bridge.addListener('highlightNativeElement', highlightNativeElement);\n  bridge.addListener('shutdown', stopInspectingNative);\n  bridge.addListener('startInspectingNative', startInspectingNative);\n  bridge.addListener('stopInspectingNative', stopInspectingNative);\n\n  function startInspectingNative() {\n    registerListenersOnWindow(window);\n  }\n\n  function registerListenersOnWindow(window: any) {\n    // This plug-in may run in non-DOM environments (e.g. React Native).\n    if (window && typeof window.addEventListener === 'function') {\n      window.addEventListener('click', onClick, true);\n      window.addEventListener('mousedown', onMouseEvent, true);\n      window.addEventListener('mouseover',

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onMouseEvent, true);\n    window.addEventListener('mouseup', onMouseEvent, true);\n
window.addEventListener('pointerdown', onPointerDown, true);\n    window.addEventListener('pointerover',
onPointerOver, true);\n    window.addEventListener('pointerup', onPointerUp, true);\n  } else {\n
agent.emit('startInspectingNative');\n  }\n }\n\n function stopInspectingNative() {\n  hideOverlay(agent);\n
removeListenersOnWindow(window);\n  iframesListeningTo.forEach(function (frame) {\n    try {\n
removeListenersOnWindow(frame.contentWindow);\n    } catch (error) {\n      // This can error when the iframe
is on a cross-origin.\n    }\n  });\n  iframesListeningTo = new Set();\n }\n\n function
removeListenersOnWindow(window: any) {\n  // This plug-in may run in non-DOM environments (e.g. React
Native).\n  if (window && typeof window.removeEventListener === 'function') {\n
window.removeEventListener('click', onClick, true);\n    window.removeEventListener('mousedown',
onMouseEvent, true);\n    window.removeEventListener('mouseover', onMouseEvent, true);\n
window.removeEventListener('mouseup', onMouseEvent, true);\n    window.removeEventListener('pointerdown',
onPointerDown, true);\n    window.removeEventListener('pointerover', onPointerOver, true);\n
window.removeEventListener('pointerup', onPointerUp, true);\n  } else {\n    agent.emit('stopInspectingNative');\n
  }\n }\n\n function clearNativeElementHighlight() {\n  hideOverlay(agent);\n }\n\n function
highlightNativeElement({\n  displayName,\n  hideAfterTimeout,\n  id,\n  openNativeElementsPanel,\n
rendererID,\n  scrollIntoView,\n  }): {\n  displayName: string | null,\n  hideAfterTimeout: boolean,\n  id:
number,\n  openNativeElementsPanel: boolean,\n  rendererID: number,\n  scrollIntoView: boolean,\n  ...}\n }\n
{\n  const renderer = agent.rendererInterfaces[rendererID];\n  if (renderer === null) {\n    console.warn('Invalid
renderer id "${rendererID}" for element "${id}");\n  }\n  let nodes: ?Array<HTMLElement> = null;\n  if
(renderer !== null) {\n    nodes = ((renderer.findNativeNodesForFiberID(\n      id,\n    ): any):
?Array<HTMLElement>);\n  }\n  if (nodes !== null && nodes[0] !== null) {\n    const node = nodes[0];\n    //
$FlowFixMe[method-unbinding]\n    if (scrollIntoView && typeof node.scrollIntoView === 'function') {\n      //
If the node isn't visible show it before highlighting it.\n      // We may want to reconsider this; it might be a little
disruptive.\n      node.scrollIntoView({block: 'nearest', inline: 'nearest'});\n    }\n    showOverlay(nodes,
displayName, agent, hideAfterTimeout);\n    if (openNativeElementsPanel) {\n
window.__REACT_DEVTOOLS_GLOBAL_HOOK__.$0 = node;\n
bridge.send('syncSelectionToNativeElementsPanel');\n    }\n  } else {\n    hideOverlay(agent);\n  }\n }\n\n
function onClick(event: MouseEvent) {\n  event.preventDefault();\n  event.stopPropagation();\n\n
stopInspectingNative();\n\n  bridge.send('stopInspectingNative', true);\n }\n\n function onMouseEvent(event:
MouseEvent) {\n  event.preventDefault();\n  event.stopPropagation();\n }\n\n function onPointerDown(event:
MouseEvent) {\n  event.preventDefault();\n  event.stopPropagation();\n\n  selectFiberForNode(((event.target:
any): HTMLElement));\n }\n\n function onPointerOver(event: MouseEvent) {\n  event.preventDefault();\n
event.stopPropagation();\n\n  const target = ((event.target: any): HTMLElement);\n\n  if (target.tagName ===
'IFRAME') {\n    const iframe: HTMLIFrameElement = (target: any);\n    try {\n      if
(!iframesListeningTo.has(iframe)) {\n        const window = iframe.contentWindow;\n
registerListenersOnWindow(window);\n        iframesListeningTo.add(iframe);\n      }\n    } catch (error) {\n
// This can error when the iframe is on a cross-origin.\n    }\n  }\n\n  // Don't pass the name explicitly.\n  // It
will be inferred from DOM tag and Fiber owner.\n  showOverlay([target], null, agent, false);\n\n
selectFiberForNode(target);\n }\n\n function onPointerUp(event: MouseEvent) {\n  event.preventDefault();\n
event.stopPropagation();\n }\n\n const selectFiberForNode = throttle(\n  memoize((node: HTMLElement) => {\n
const id = agent.getIDForNode(node);\n  if (id !== null) {\n    bridge.send('selectFiber', id);\n  }\n })),\n
200,\n  // Don't change the selection in the very first 200ms\n  // because those are usually unintentional as you lift
the cursor.\n  {leading: false},\n );\n\n"},\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This
source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\nimport type {Data} from './index';\nimport type {Rect} from './utils';\nimport type
{NativeType} from './types';\nimport type Agent from './agent';\n\nconst OUTLINE_COLOR = '#f0f0f0';\n\n//
Note these colors are in sync with DevTools Profiler chart colors.\nconst COLORS = [\n  '#37afa9',\n  '#63b19e',\n

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'#80b393',\n '#97b488',\n '#abb67d',\n '#beb771',\n '#cfb965',\n '#dfba57',\n '#efbb49',\n '#febc38',\n];\n\nlet
canvas: HTMLCanvasElement | null = null;\n\nexport function draw(nodeToData: Map<NativeType, Data>, agent:
Agent): void {\n if (window.document === null) {\n const nodesToDraw = [];\n iterateNodes(nodeToData, (_,
color, node) => {\n nodesToDraw.push({node, color});\n });\n\n agent.emit('drawTraceUpdates',
nodesToDraw);\n return;\n }\n\n if (canvas === null) {\n initialize();\n }\n\n const canvasFlow:
HTMLCanvasElement = ((canvas: any): HTMLCanvasElement);\n canvasFlow.width = window.innerWidth;\n
canvasFlow.height = window.innerHeight;\n\n const context = canvasFlow.getContext('2d');\n context.clearRect(0,
0, canvasFlow.width, canvasFlow.height);\n iterateNodes(nodeToData, (rect, color) => {\n if (rect !== null) {\n
drawBorder(context, rect, color);\n }\n });\n\n\nfunction iterateNodes(\n nodeToData: Map<NativeType,
Data>,\n execute: (rect: Rect | null, color: string, node: NativeType) => void,\n) {\n nodeToData.forEach(((count,
rect), node) => {\n const colorIndex = Math.min(COLORS.length - 1, count - 1);\n const color =
COLORS[colorIndex];\n execute(rect, color, node);\n });\n\n\nfunction drawBorder(\n context:
CanvasRenderingContext2D,\n rect: Rect,\n color: string,\n): void {\n const {height, left, top, width} = rect;\n\n //
outline\n context.lineWidth = 1;\n context.strokeStyle = OUTLINE_COLOR;\n\n context.strokeRect(left - 1, top -
1, width + 2, height + 2);\n\n // inset\n context.lineWidth = 1;\n context.strokeStyle = OUTLINE_COLOR;\n
context.strokeRect(left + 1, top + 1, width - 1, height - 1);\n context.strokeStyle = color;\n\n
context.setLineDash([0]);\n\n // border\n context.lineWidth = 1;\n context.strokeRect(left, top, width - 1, height -
1);\n\n context.setLineDash([0]);\n\n\n\nexport function destroy(agent: Agent): void {\n if (window.document ===
null) {\n agent.emit('disableTraceUpdates');\n return;\n }\n\n if (canvas !== null) {\n if (canvas.parentNode !==
null) {\n canvas.parentNode.removeChild(canvas);\n }\n canvas = null;\n }\n\n\nfunction initialize(): void
{\n canvas = window.document.createElement('canvas');\n canvas.style.cssText = `\n xx-background-color:
red;\n xx-opacity: 0.5;\n bottom: 0;\n left: 0;\n pointer-events: none;\n position: fixed;\n right: 0;\n top:
0;\n z-index: 1000000000;\n `;\n\n const root = window.document.documentElement;\n
root.insertBefore(canvas, root.firstChild);\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *
This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *
 * @flow\n */\n\nimport Agent from 'react-devtools-shared/src/backend/agent';\nimport {destroy as
destroyCanvas, draw} from './canvas';\nimport {getNestedBoundingClientRect} from './utils';\nimport type
{NativeType} from './types';\nimport type {Rect} from './utils';\n\n// How long the rect should be shown
for?\nconst DISPLAY_DURATION = 250;\n\n// What's the longest we are willing to show the overlay for?\n// This
can be important if we're getting a flurry of events (e.g. scroll update).\nconst MAX_DISPLAY_DURATION =
3000;\n\n// How long should a rect be considered valid for?\nconst REMEASUREMENT_AFTER_DURATION =
250;\n\n// Some environments (e.g. React Native / Hermes) don't support the performance API yet.\nconst
getCurrentTime = \n // $FlowFixMe[method-unbinding]\n typeof performance === 'object' && typeof
performance.now === 'function'\n ? () => performance.now()\n : () => Date.now();\n\nexport type Data = {\n
count: number,\n expirationTime: number,\n lastMeasuredAt: number,\n rect: Rect | null,\n};\n\nconst
nodeToData: Map<NativeType, Data> = new Map();\n\nlet agent: Agent = ((null: any): Agent);\n\nlet
drawAnimationFrameID: AnimationFrameID | null = null;\n\nlet isEnabled: boolean = false;\n\nlet redrawTimeoutID:
TimeoutID | null = null;\n\nexport function initialize(injectedAgent: Agent): void {\n agent = injectedAgent;\n
agent.addListener('traceUpdates', traceUpdates);\n}\n\nexport function toggleEnabled(value: boolean): void {\n
isEnabled = value;\n\n if (!isEnabled) {\n nodeToData.clear();\n\n if (drawAnimationFrameID !== null) {\n
cancelAnimationFrame(drawAnimationFrameID);\n drawAnimationFrameID = null;\n }\n\n if
(redrawTimeoutID !== null) {\n clearTimeout(redrawTimeoutID);\n redrawTimeoutID = null;\n }\n\n
destroyCanvas(agent);\n }\n\n\nfunction traceUpdates(nodes: Set<NativeType>): void {\n if (!isEnabled) {\n
return;\n }\n\n nodes.forEach(node => {\n const data = nodeToData.get(node);\n const now =
getCurrentTime();\n let lastMeasuredAt = data != null ? data.lastMeasuredAt : 0;\n let rect = data != null ?
data.rect : null;\n if (rect === null || lastMeasuredAt + REMEASUREMENT_AFTER_DURATION < now) {\n
lastMeasuredAt = now;\n rect = measureNode(node);\n }\n\n nodeToData.set(node, {\n count: data != null
? data.count + 1 : 1,\n expirationTime:\n data != null\n ? Math.min(\n now +

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MAX_DISPLAY_DURATION, \n          data.expirationTime + DISPLAY_DURATION, \n          ) \n          : now
+ DISPLAY_DURATION, \n          lastMeasuredAt, \n          rect, \n          }); \n          }); \n          \n          if (redrawTimeoutID !== null) { \n
clearTimeout(redrawTimeoutID); \n          redrawTimeoutID = null; \n          } \n          \n          if (drawAnimationFrameID === null) { \n
drawAnimationFrameID = requestAnimationFrame(prepareToDraw); \n          } \n          } \n          \n          function prepareToDraw(): void
{ \n          drawAnimationFrameID = null; \n          redrawTimeoutID = null; \n          \n          const now = getCurrentTime(); \n          let
earliestExpiration = Number.MAX_VALUE; \n          \n          // Remove any items that have already expired. \n
nodeToData.forEach((data, node) => { \n          if (data.expirationTime < now) { \n          nodeToData.delete(node); \n          }
else { \n          earliestExpiration = Math.min(earliestExpiration, data.expirationTime); \n          } \n          }); \n          \n
draw(nodeToData, agent); \n          \n          if (earliestExpiration !== Number.MAX_VALUE) { \n          redrawTimeoutID =
setTimeout(prepareToDraw, earliestExpiration - now); \n          } \n          } \n          \n          function measureNode(node: Object): Rect | null
{ \n          if (!node || typeof node.getBoundingClientRect !== 'function') { \n          return null; \n          } \n          \n          const currentWindow
= window.__REACT_DEVTOOLS_TARGET_WINDOW__ || window; \n          \n          return
getNestedBoundingClientRect(node, currentWindow); \n          } \n          } \n          /** \n          * Copyright (c) Meta Platforms, Inc. and
affiliates. \n          * This source code is licensed under the MIT license found in the \n          * LICENSE file in the root
directory of this source tree. \n          * @flow \n          */ \n          \n          import EventEmitter from './events'; \n          \n          import type
{ComponentFilter, Wall} from './types'; \n          \n          import type { \n          InspectedElementPayload, \n          OwnersList, \n
ProfilingDataBackend, \n          RendererID, \n          ConsolePatchSettings, \n          } from 'react-devtools-
shared/src/backend/types'; \n          \n          import type {StyleAndLayout as StyleAndLayoutPayload} from 'react-devtools-
shared/src/backend/NativeStyleEditor/types'; \n          \n          const BATCH_DURATION = 100; \n          \n          // This message specifies
the version of the DevTools protocol currently supported by the backend, \n          // as well as the earliest NPM version
(e.g. '4.13.0') that protocol is supported by on the frontend. \n          // This enables an older frontend to display an
upgrade message to users for a newer, unsupported backend. \n          \n          export type BridgeProtocol = { \n          // Version
supported by the current frontend/backend. \n          version: number, \n          \n          // NPM version range that also supports this
version. \n          // Note that 'maxNpmVersion' is only set when the version is bumped. \n          minNpmVersion: string, \n
maxNpmVersion: string | null, \n          }; \n          \n          // Bump protocol version whenever a backwards breaking change is made \n          // in the
messages sent between BackendBridge and FrontendBridge. \n          // This mapping is embedded in both frontend
and backend builds. \n          // \n          // The backend protocol will always be the latest entry in the BRIDGE_PROTOCOL
array. \n          // \n          // When an older frontend connects to a newer backend, \n          // the backend can send the minNpmVersion
and the frontend can display an NPM upgrade prompt. \n          // \n          // When a newer frontend connects with an older
protocol version, \n          // the frontend can use the embedded minNpmVersion/maxNpmVersion values to display a
downgrade prompt. \n          \n          export const BRIDGE_PROTOCOL: Array<BridgeProtocol> = [ \n          // This version technically
never existed, \n          // but a backwards breaking change was added in 4.11, \n          // so the safest guess to downgrade the
frontend would be to version 4.10. \n          { \n          version: 0, \n          minNpmVersion: '<4.11.0', \n          maxNpmVersion:
'<4.11.0', \n          }, \n          // Versions 4.11.x - 4.12.x contained the backwards breaking change, \n          // but we didn't add the
'fix' of checking the protocol version until 4.13, \n          // so we don't recommend downgrading to 4.11 or 4.12. \n          { \n
version: 1, \n          minNpmVersion: '4.13.0', \n          maxNpmVersion: '4.21.0', \n          }, \n          // Version 2 adds a StrictMode-
enabled and supports-StrictMode bits to add-root operation. \n          { \n          version: 2, \n          minNpmVersion: '4.22.0', \n
maxNpmVersion: null, \n          }, \n          ]; \n          \n          export const currentBridgeProtocol: BridgeProtocol = \n
BRIDGE_PROTOCOL[BRIDGE_PROTOCOL.length - 1]; \n          \n          type ElementAndRendererID = {id: number,
rendererID: RendererID}; \n          \n          type Message = { \n          event: string, \n          payload: any, \n          }; \n          \n          type
HighlightElementInDOM = { \n          ...ElementAndRendererID, \n          displayName: string | null, \n          hideAfterTimeout:
boolean, \n          openNativeElementsPanel: boolean, \n          scrollIntoView: boolean, \n          }; \n          \n          type OverrideValue = { \n
...ElementAndRendererID, \n          path: Array<string | number>, \n          wasForwarded?: boolean, \n          value: any, \n          }; \n          \n          type
OverrideHookState = { \n          ...OverrideValue, \n          hookID: number, \n          }; \n          \n          type PathType = 'props' | 'hooks' | 'state' |
'context'; \n          \n          type DeletePath = { \n          ...ElementAndRendererID, \n          type: PathType, \n          hookID?: ?number, \n          path:
Array<string | number>, \n          }; \n          \n          type RenamePath = { \n          ...ElementAndRendererID, \n          type: PathType, \n          hookID?:
?number, \n          oldPath: Array<string | number>, \n          newPath: Array<string | number>, \n          }; \n          \n          type
OverrideValueAtPath = { \n          ...ElementAndRendererID, \n          type: PathType, \n          hookID?: ?number, \n          path:

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Array<string | number>,\n value: any,\n};\n\ntype OverrideError = {\n ...ElementAndRendererID,\n forceError:
boolean,\n};\n\ntype OverrideSuspense = {\n ...ElementAndRendererID,\n forceFallback: boolean,\n};\n\ntype
CopyElementPathParams = {\n ...ElementAndRendererID,\n path: Array<string | number>,\n};\n\ntype
ViewAttributeSourceParams = {\n ...ElementAndRendererID,\n path: Array<string | number>,\n};\n\ntype
InspectElementParams = {\n ...ElementAndRendererID,\n forceFullData: boolean,\n path: Array<number | string>
| null,\n requestID: number,\n};\n\ntype StoreAsGlobalParams = {\n ...ElementAndRendererID,\n count:
number,\n path: Array<string | number>,\n};\n\ntype NativeStyleEditor_RenameAttributeParams = {\n
...ElementAndRendererID,\n oldName: string,\n newName: string,\n value: string,\n};\n\ntype
NativeStyleEditor_SetValueParams = {\n ...ElementAndRendererID,\n name: string,\n value: string,\n};\n\ntype
SavedPreferencesParams = {\n appendComponentStack: boolean,\n breakOnConsoleErrors: boolean,\n
componentFilters: Array<ComponentFilter>,\n showInlineWarningsAndErrors: boolean,\n
hideConsoleLogsInStrictMode: boolean,\n};\n\nexport type BackendEvents = {\n backendVersion: [string],\n
bridgeProtocol: [BridgeProtocol],\n extensionBackendInitialized: [],\n fastRefreshScheduled: [],\n
getSavedPreferences: [],\n inspectedElement: [InspectedElementPayload],\n isBackendStorageAPISupported:
[boolean],\n isSynchronousXHRSupported: [boolean],\n operations: [Array<number>],\n ownersList:
[OwnersList],\n overrideComponentFilters: [Array<ComponentFilter>],\n profilingData:
[ProfilingDataBackend],\n profilingStatus: [boolean],\n reloadAppForProfiling: [],\n saveToClipboard: [string],\n
selectFiber: [number],\n shutdown: [],\n stopInspectingNative: [boolean],\n
syncSelectionFromNativeElementsPanel: [],\n syncSelectionToNativeElementsPanel: [],\n
unsupportedRendererVersion: [RendererID],\n\n // React Native style editor plug-in.\n
isNativeStyleEditorSupported: [\n {isSupported: boolean, validAttributes: ?$ReadOnlyArray<string>},\n ],\n
NativeStyleEditor_styleAndLayout: [StyleAndLayoutPayload],\n};\n\ntype FrontendEvents = {\n
clearErrorsAndWarnings: [{rendererID: RendererID}],\n clearErrorsForFiberID: [ElementAndRendererID],\n
clearNativeElementHighlight: [],\n clearWarningsForFiberID: [ElementAndRendererID],\n copyElementPath:
[CopyElementPathParams],\n deletePath: [DeletePath],\n getBackendVersion: [],\n getBridgeProtocol: [],\n
getOwnersList: [ElementAndRendererID],\n getProfilingData: [{rendererID: RendererID}],\n getProfilingStatus:
[],\n highlightNativeElement: [HighlightElementInDOM],\n inspectElement: [InspectElementParams],\n
logElementToConsole: [ElementAndRendererID],\n overrideError: [OverrideError],\n overrideSuspense:
[OverrideSuspense],\n overrideValueAtPath: [OverrideValueAtPath],\n profilingData: [ProfilingDataBackend],\n
reloadAndProfile: [boolean],\n renamePath: [RenamePath],\n savedPreferences: [SavedPreferencesParams],\n
selectFiber: [number],\n setTraceUpdatesEnabled: [boolean],\n shutdown: [],\n startInspectingNative: [],\n
startProfiling: [boolean],\n stopInspectingNative: [boolean],\n stopProfiling: [],\n storeAsGlobal:
[StoreAsGlobalParams],\n updateComponentFilters: [Array<ComponentFilter>],\n updateConsolePatchSettings:
[ConsolePatchSettings],\n viewAttributeSource: [ViewAttributeSourceParams],\n viewElementSource:
[ElementAndRendererID],\n\n // React Native style editor plug-in.\n NativeStyleEditor_measure:
[ElementAndRendererID],\n NativeStyleEditor_renameAttribute: [NativeStyleEditor_RenameAttributeParams],\n
NativeStyleEditor_setValue: [NativeStyleEditor_SetValueParams],\n\n // Temporarily support newer standalone
front-ends sending commands to older embedded backends.\n // We do this because React Native embeds the React
DevTools backend,\n // but cannot control which version of the frontend users use.\n //\n // Note that nothing in the
newer backend actually listens to these events,\n // but the new frontend still dispatches them (in case older
backends are listening to them instead).\n //\n // Note that this approach does no support the combination of a
newer backend with an older frontend.\n // It would be more work to support both approaches (and not run handlers
twice)\n // so I chose to support the more likely/common scenario (and the one more difficult for an end user to
"fix").\n overrideContext: [OverrideValue],\n overrideHookState: [OverrideHookState],\n overrideProps:
[OverrideValue],\n overrideState: [OverrideValue],\n};\n\nclass Bridge<\n OutgoingEvents: Object,\n IncomingEvents: Object,\n> extends EventEmitter<{\n ...IncomingEvents,\n ...OutgoingEvents,\n}> {\n
_isShutdown: boolean = false;\n _messageQueue: Array<any> = [];\n _timeoutID: TimeoutID | null = null;\n
_wall: Wall;\n _wallUnlisten: Function | null = null;\n\n constructor(wall: Wall) {\n super();\n this._wall =

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wall;\n\n this._wallUnlisten =\n wall.listen((message: Message) => {\n   if (message && message.event) {\n     (this: any).emit(message.event, message.payload);\n   }\n }) || null;\n\n // Temporarily support older
standalone front-ends sending commands to newer embedded backends.\n // We do this because React Native
embeds the React DevTools backend,\n // but cannot control which version of the frontend users use.\n
this.addListener('overrideValueAtPath', this.overrideValueAtPath);\n }\n\n // Listening directly to the wall isn't
advised.\n // It can be used to listen for legacy (v3) messages (since they use a different format).\n get wall(): Wall
{\n  return this._wall;\n }\n\n send<EventName: $Keys<OutgoingEvents>>(\n  event: EventName,\n  ...payload: $ElementType<OutgoingEvents, EventName>\n ) {\n  if (this._isShutdown) {\n    console.warn(\n
`Cannot send message "${event}" through a Bridge that has been shutdown.`,\n    );\n    return;\n  }\n\n //
When we receive a message:\n // - we add it to our queue of messages to be sent\n // - if there hasn't been a
message recently, we set a timer for 0 ms in\n // the future, allowing all messages created in the same tick to be
sent\n // together\n // - if there *has* been a message flushed in the last BATCH_DURATION ms\n // (or
we're waiting for our setTimeout=0 to fire), then _timeoutID will\n // be set, and we'll simply add to the queue
and wait for that\n  this._messageQueue.push(event, payload);\n  if (!this._timeoutID) {\n    this._timeoutID =
setTimeout(this._flush, 0);\n  }\n }\n\n shutdown()\n {\n  if (this._isShutdown) {\n    console.warn('Bridge was
already shutdown.);\n    return;\n  }\n\n // Queue the shutdown outgoing message for subscribers.\n
this.send('shutdown');\n\n // Mark this bridge as destroyed, i.e. disable its public API.\n  this._isShutdown =
true;\n\n // Disable the API inherited from EventEmitter that can add more listeners and send more messages.\n
// $FlowFixMe[cannot-write] This property is not writable.\n  this.addListener = function () {};\n\n //
$FlowFixMe[cannot-write] This property is not writable.\n  this.emit = function () {};\n\n // NOTE: There's also
EventEmitter API like `on` and `prependListener` that we didn't add to our Flow type of EventEmitter.\n\n //
Unsubscribe this bridge incoming message listeners to be sure, and so they don't have to do that.\n
this.removeAllListeners();\n\n // Stop accepting and emitting incoming messages from the wall.\n  const
wallUnlisten = this._wallUnlisten;\n  if (wallUnlisten) {\n    wallUnlisten();\n  }\n\n // Synchronously flush all
queued outgoing messages.\n // At this step the subscribers' code may run in this call stack.\n  do {\n
this._flush();\n  } while (this._messageQueue.length);\n\n // Make sure once again that there is no dangling
timer.\n  if (this._timeoutID !== null) {\n    clearTimeout(this._timeoutID);\n    this._timeoutID = null;\n  }\n
}\n\n _flush: () => void = () => {\n  // This method is used after the bridge is marked as destroyed in shutdown
sequence,\n  // so we do not bail out if the bridge marked as destroyed.\n  // It is a private method that the bridge
ensures is only called at the right times.\n\n  if (this._timeoutID !== null) {\n    clearTimeout(this._timeoutID);\n
    this._timeoutID = null;\n  }\n\n  if (this._messageQueue.length) {\n    for (let i = 0; i <
this._messageQueue.length; i += 2) {\n      this._wall.send(this._messageQueue[i], ...this._messageQueue[i + 1]);\n
}\n    this._messageQueue.length = 0;\n\n    // Check again for queued messages in BATCH_DURATION ms.
This will keep\n    // flushing in a loop as long as messages continue to be added. Once no\n    // more are, the
timer expires.\n    this._timeoutID = setTimeout(this._flush, BATCH_DURATION);\n  }\n }\n\n // Temporarily
support older standalone backends by forwarding "overrideValueAtPath" commands\n // to the older message
types they may be listening to.\n  overrideValueAtPath: OverrideValueAtPath => void = ({\n    id,\n    path,\n    rendererID,\n    type,\n    value,\n  }: OverrideValueAtPath) => {\n    switch (type) {\n      case 'context':\n        this.send('overrideContext', {\n          id,\n          path,\n          rendererID,\n          wasForwarded: true,\n          value,\n        });\n        break;\n      case 'hooks':\n        this.send('overrideHookState', {\n          id,\n          path,\n          rendererID,\n          wasForwarded: true,\n          value,\n        });\n        break;\n      case 'props':\n        this.send('overrideProps', {\n          id,\n          path,\n          rendererID,\n          wasForwarded: true,\n          value,\n        });\n        break;\n      case 'state':\n        this.send('overrideState', {\n          id,\n          path,\n          rendererID,\n          wasForwarded: true,\n          value,\n        });\n        break;\n    }\n  }\n }\n\n\nexport type BackendBridge =
Bridge<BackendEvents, FrontendEvents>;\nexport type FrontendBridge = Bridge<FrontendEvents,
BackendEvents>;\n\nexport default Bridge;\n", "/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n *
This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source
tree.\n *\n * @flow\n */\n\nimport EventEmitter from '../events';\nimport throttle from 'lodash.throttle';\nimport {\n

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SESSION_STORAGE_LAST_SELECTION_KEY,\n SESSION_STORAGE_RELOAD_AND_PROFILE_KEY,\n
SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY,\n __DEBUG__,\n } from
'./constants';\nimport {\n sessionStorageGetItem,\n sessionStorageRemoveItem,\n sessionStorageSetItem,\n } from
'react-devtools-shared/src/storage';\nimport setupHighlighter from './views/Highlighter';\nimport {\n initialize as
setupTraceUpdates,\n toggleEnabled as setTraceUpdatesEnabled,\n } from './views/TraceUpdates';\nimport {patch
as patchConsole} from './console';\nimport {currentBridgeProtocol} from 'react-devtools-
shared/src/bridge';\n\nimport type {BackendBridge} from 'react-devtools-shared/src/bridge';\nimport type {\n
InstanceAndStyle,\n NativeType,\n OwnersList,\n PathFrame,\n PathMatch,\n RendererID,\n
RendererInterface,\n ConsolePatchSettings,\n } from './types';\nimport type {\n ComponentFilter,\n
BrowserTheme,\n } from 'react-devtools-shared/src/types';\nimport {isSynchronousXHRSupported} from
'./utils';\n\nconst debug = (methodName: string, ...args: Array<string>) => {\n if (__DEBUG__) {\n
console.log(\n `%cAgent %c${methodName}`, \n 'color: purple; font-weight: bold;', \n 'font-weight:
bold;', \n ...args, \n );\n }\n};\n\ninterface ElementAndRendererID = {\n id: number,\n rendererID:
number,\n};\n\ninterface StoreAsGlobalParams = {\n count: number,\n id: number,\n path: Array<string | number>,\n
rendererID: number,\n};\n\ninterface CopyElementParams = {\n id: number,\n path: Array<string | number>,\n
rendererID: number,\n};\n\ninterface InspectElementParams = {\n forceFullData: boolean,\n id: number,\n path:
Array<string | number> | null,\n rendererID: number,\n requestId: number,\n};\n\ninterface OverrideHookParams = {\n
id: number,\n hookID: number,\n path: Array<string | number>,\n rendererID: number,\n wasForwarded?:
boolean,\n value: any,\n};\n\ninterface SetInParams = {\n id: number,\n path: Array<string | number>,\n
rendererID: number,\n wasForwarded?: boolean,\n value: any,\n};\n\ninterface PathType = 'props' | 'hooks' | 'state' |
'context';\n\ninterface DeletePathParams = {\n type: PathType,\n hookID?: ?number,\n id: number,\n path:
Array<string | number>,\n rendererID: number,\n};\n\ninterface RenamePathParams = {\n type: PathType,\n
hookID?: ?number,\n id: number,\n oldPath: Array<string | number>,\n newPath: Array<string | number>,\n
rendererID: number,\n};\n\ninterface OverrideValueAtPathParams = {\n type: PathType,\n hookID?: ?number,\n
id: number,\n path: Array<string | number>,\n rendererID: number,\n value: any,\n};\n\ninterface OverrideErrorParams = {\n
id: number,\n rendererID: number,\n forceError: boolean,\n};\n\ninterface OverrideSuspenseParams = {\n id: number,\n
rendererID: number,\n forceFallback: boolean,\n};\n\ninterface PersistedSelection = {\n rendererID: number,\n
path: Array<PathFrame>,\n};\n\nexport default class Agent extends EventEmitter<{\n hideNativeHighlight: [],\n
showNativeHighlight: [NativeType],\n startInspectingNative: [],\n stopInspectingNative: [],\n shutdown: [],\n
traceUpdates: [Set<NativeType>],\n drawTraceUpdates: [Array<NativeType>],\n disableTraceUpdates: [],\n}> {\n
_bridge: BackendBridge;\n _isProfiling: boolean = false;\n _recordChangeDescriptions: boolean = false;\n
_rendererInterfaces: {[key: RendererID]: RendererInterface, ...} = {};\n _persistedSelection: PersistedSelection |
null = null;\n _persistedSelectionMatch: PathMatch | null = null;\n _traceUpdatesEnabled: boolean = false;\n\n
constructor(bridge: BackendBridge) {\n super();\n\n if (\n
sessionStorageGetItem(SESSION_STORAGE_RELOAD_AND_PROFILE_KEY) === 'true'\n ) {\n
this._recordChangeDescriptions =\n sessionStorageGetItem(\n
SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY,\n ) === 'true';\n this._isProfiling =
true;\n\n sessionStorageRemoveItem(SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY);\n
sessionStorageRemoveItem(SESSION_STORAGE_RELOAD_AND_PROFILE_KEY);\n }\n\n const
persistedSelectionString = sessionStorageGetItem(\n SESSION_STORAGE_LAST_SELECTION_KEY,\n );\n
if (persistedSelectionString != null) {\n this._persistedSelection = JSON.parse(persistedSelectionString);\n
}\n\n this._bridge = bridge;\n\n bridge.addListener('clearErrorsAndWarnings', this.clearErrorsAndWarnings);\n
bridge.addListener('clearErrorsForFiberID', this.clearErrorsForFiberID);\n
bridge.addListener('clearWarningsForFiberID', this.clearWarningsForFiberID);\n
bridge.addListener('copyElementPath', this.copyElementPath);\n bridge.addListener('deletePath',
this.deletePath);\n bridge.addListener('getBackendVersion', this.getBackendVersion);\n
bridge.addListener('getBridgeProtocol', this.getBridgeProtocol);\n bridge.addListener('getProfilingData',
this.getProfilingData);\n bridge.addListener('getProfilingStatus', this.getProfilingStatus);\n

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bridge.addListener('getOwnersList', this.getOwnersList);\n bridge.addListener('inspectElement',
this.inspectElement);\n bridge.addListener('logElementToConsole', this.logElementToConsole);\n
bridge.addListener('overrideError', this.overrideError);\n bridge.addListener('overrideSuspense',
this.overrideSuspense);\n bridge.addListener('overrideValueAtPath', this.overrideValueAtPath);\n
bridge.addListener('reloadAndProfile', this.reloadAndProfile);\n bridge.addListener('renamePath',
this.renamePath);\n bridge.addListener('setTraceUpdatesEnabled', this.setTraceUpdatesEnabled);\n
bridge.addListener('startProfiling', this.startProfiling);\n bridge.addListener('stopProfiling', this.stopProfiling);\n
bridge.addListener('storeAsGlobal', this.storeAsGlobal);\n bridge.addListener(\n
'syncSelectionFromNativeElementsPanel',\n this.syncSelectionFromNativeElementsPanel,\n );\n
bridge.addListener('shutdown', this.shutdown);\n bridge.addListener(\n 'updateConsolePatchSettings',\n
this.updateConsolePatchSettings,\n );\n bridge.addListener('updateComponentFilters',
this.updateComponentFilters);\n bridge.addListener('viewAttributeSource', this.viewAttributeSource);\n
bridge.addListener('viewElementSource', this.viewElementSource);\n\n // Temporarily support older standalone
front-ends sending commands to newer embedded backends.\n // We do this because React Native embeds the
React DevTools backend,\n // but cannot control which version of the frontend users use.\n
bridge.addListener('overrideContext', this.overrideContext);\n bridge.addListener('overrideHookState',
this.overrideHookState);\n bridge.addListener('overrideProps', this.overrideProps);\n
bridge.addListener('overrideState', this.overrideState);\n\n if (this._isProfiling) {\n bridge.send('profilingStatus',
true);\n }\n\n // Send the Bridge protocol and backend versions, after initialization, in case the frontend has
already requested it.\n // The Store may be instantiated before the agent.\n const version =
process.env.DEVTOOLS_VERSION;\n if (version) {\n this._bridge.send('backendVersion', version);\n }\n
this._bridge.send('bridgeProtocol', currentBridgeProtocol);\n\n // Notify the frontend if the backend supports the
Storage API (e.g. localStorage).\n // If not, features like reload-and-profile will not work correctly and must be
disabled.\n let isBackendStorageAPISupported = false;\n try {\n localStorage.getItem('test');\n
isBackendStorageAPISupported = true;\n } catch (error) {} \n bridge.send('isBackendStorageAPISupported',
isBackendStorageAPISupported);\n bridge.send('isSynchronousXHRSupported',
isSynchronousXHRSupported());\n\n setupHighlighter(bridge, this);\n setupTraceUpdates(this);\n }\n\n get
rendererInterfaces(): {[key: RendererID]: RendererInterface, ...} {\n return this._rendererInterfaces;\n }\n\n
clearErrorsAndWarnings: ({rendererID: RendererID}) => void = ({\n rendererID,\n }) => {\n const renderer =
this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn('Invalid renderer id
"${rendererID}");\n } else {\n renderer.clearErrorsAndWarnings();\n }\n }; \n\n clearErrorsForFiberID:
ElementAndRendererID => void = ({id, rendererID}) => {\n const renderer =
this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn('Invalid renderer id
"${rendererID}");\n } else {\n renderer.clearErrorsForFiberID(id);\n }\n }; \n\n clearWarningsForFiberID:
ElementAndRendererID => void = ({\n id,\n rendererID,\n }) => {\n const renderer =
this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn('Invalid renderer id
"${rendererID}");\n } else {\n renderer.clearWarningsForFiberID(id);\n }\n }; \n\n copyElementPath:
CopyElementParams => void = ({\n id,\n path,\n rendererID,\n }): CopyElementParams => {\n const
renderer = this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn('Invalid renderer id
"${rendererID}" for element "${id}");\n } else {\n const value =
renderer.getSerializedElementValueByPath(id, path);\n\n if (value != null) {\n
this._bridge.send('saveToClipboard', value);\n } else {\n console.warn('Unable to obtain serialized value for
element "${id}");\n }\n }\n }; \n\n deletePath: DeletePathParams => void = ({\n hookID,\n id,\n
path,\n rendererID,\n type,\n }): DeletePathParams => {\n const renderer =
this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn('Invalid renderer id
"${rendererID}" for element "${id}");\n } else {\n renderer.deletePath(type, id, hookID, path);\n }\n
}; \n\n getInstanceAndStyle({\n id,\n rendererID,\n }): ElementAndRendererID: InstanceAndStyle | null {\n
const renderer = this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn('Invalid renderer

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id \`${rendererID}\`;
return null;
}
return renderer.getInstanceAndStyle(id);
}

getBestMatchingRendererInterface(node: Object): RendererInterface | null {
  let bestMatch = null;
  for (const rendererID in this._rendererInterfaces) {
    const renderer = ((this._rendererInterfaces[rendererID]: any) as any): RendererInterface;
    const fiber = renderer.getFiberForNative(node);
    if (fiber !== null) {
      // check if fiber.stateNode is matching the original hostInstance
      if (fiber.stateNode === node) {
        return renderer;
      } else if (bestMatch === null) {
        bestMatch = renderer;
      }
    }
  }
  // if an exact match is not found, return the first valid renderer as fallback
  return bestMatch;
}

getIDForNode(node: Object): number | null {
  const rendererInterface = this.getBestMatchingRendererInterface(node);
  if (rendererInterface != null) {
    try {
      return rendererInterface.getFiberIDForNative(node, true);
    } catch (error) {
      // Some old React versions might throw if they can't find a match.
      // If so we should ignore it...
    }
  }
  return null;
}

getBackendVersion: () => void = () => {
  const version = process.env.DEVTOOLS_VERSION;
  if (version) {
    this._bridge.send('backendVersion', version);
  }
}

getBridgeProtocol: () => void = () => {
  this._bridge.send('bridgeProtocol', currentBridgeProtocol);
}

getProfilingData: ({rendererID: RendererID}) => void = ({rendererID}) => {
  const renderer = this._rendererInterfaces[rendererID];
  if (renderer == null) {
    console.warn(`Invalid renderer id \`${rendererID}\``);
  }
  this._bridge.send('profilingData', renderer.getProfilingData());
}

getProfilingStatus: () => void = () => {
  this._bridge.send('profilingStatus', this._isProfiling);
}

getOwnersList: ElementAndRendererID => void = ({id, rendererID}) => {
  const renderer = this._rendererInterfaces[rendererID];
  if (renderer == null) {
    console.warn(`Invalid renderer id \`${rendererID}\` for element \`${id}\``);
  } else {
    const owners = renderer.getOwnersList(id);
    this._bridge.send('ownersList', ({id, owners}: OwnersList));
  }
}

inspectElement: InspectElementParams => void = ({forceFullData, id, path, rendererID, requestId}) => {
  const renderer = this._rendererInterfaces[rendererID];
  if (renderer == null) {
    console.warn(`Invalid renderer id \`${rendererID}\` for element \`${id}\``);
  } else {
    this._bridge.send('inspectedElement', renderer.inspectElement(requestID, id, path, forceFullData));
  }
  // When user selects an element, stop trying to restore the selection,
  // and instead remember the current selection for the next reload.
  if (this._persistedSelectionMatch === null || this._persistedSelectionMatch.id !== id) {
    this._persistedSelection = null;
    this._persistedSelectionMatch = null;
    renderer.setTrackedPath(null);
    this._throttledPersistSelection(rendererID, id);
  }
  // TODO: If there was a way to change the selected DOM element
  // in native Elements tab without forcing a switch to it, we'd do it here.
  // For now, it doesn't seem like there is a way to do that:
  // https://github.com/bvaughn/react-devtools-experimental/issues/102
  // (Setting $0 doesn't work, and calling inspect() switches the tab.)
}

logElementToConsole: ElementAndRendererID => void = ({id, rendererID}) => {
  const renderer = this._rendererInterfaces[rendererID];
  if (renderer == null) {
    console.warn(`Invalid renderer id \`${rendererID}\` for element \`${id}\``);
  } else {
    renderer.logElementToConsole(id);
  }
}

overrideError: OverrideErrorParams => void = ({id, rendererID, forceError}) => {
  const renderer = this._rendererInterfaces[rendererID];
  if (renderer == null) {
    console.warn(`Invalid renderer id \`${rendererID}\` for element \`${id}\``);
  } else {
    renderer.overrideError(id, forceError);
  }
}

overrideSuspense: OverrideSuspenseParams => void = ({id, rendererID, forceFallback}) => {
  const renderer = this._rendererInterfaces[rendererID];
  if (renderer == null) {
    console.warn(`Invalid renderer id \`${rendererID}\` for element \`${id}\``);
  } else {
    renderer.overrideSuspense(id, forceFallback);
  }
}

overrideValueAtPath: OverrideValueAtPathParams => void = ({hookID, id, path, rendererID, type, value}) => {
  const renderer = this._rendererInterfaces[rendererID];
  if (renderer == null) {
    console.warn(`Invalid renderer id \`${rendererID}\` for element \`${id}\``);
  } else {
    renderer.overrideValueAtPath(type, id, hookID, path, value);
  }
}
// Temporarily support older standalone front-ends by forwarding the older message types
// to the new "overrideValueAtPath" command the backend is now listening to.
overrideContext: SetInParams => void = ({id, path, rendererID, wasForwarded, value}) => {
  // Don't forward a message that's already been forwarded by the front-end

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Bridge.\n // We only need to process the override command once!\n if (!wasForwarded) {\n
this.overrideValueAtPath({\n id,\n path,\n rendererID,\n type: 'context',\n value,\n });\n
}\n };\n\n // Temporarily support older standalone front-ends by forwarding the older message types\n // to the new
\"overrideValueAtPath\" command the backend is now listening to.\n overrideHookState: OverrideHookParams =>
void = ({\n id,\n hookID,\n path,\n rendererID,\n wasForwarded,\n value,\n }) => {\n // Don't forward
a message that's already been forwarded by the front-end Bridge.\n // We only need to process the override
command once!\n if (!wasForwarded) {\n this.overrideValueAtPath({\n id,\n path,\n rendererID,\n
type: 'hooks',\n value,\n });\n }\n };\n\n // Temporarily support older standalone front-ends by
forwarding the older message types\n // to the new \"overrideValueAtPath\" command the backend is now listening
to.\n overrideProps: SetInParams => void = ({\n id,\n path,\n rendererID,\n wasForwarded,\n value,\n })
=> {\n // Don't forward a message that's already been forwarded by the front-end Bridge.\n // We only need to
process the override command once!\n if (!wasForwarded) {\n this.overrideValueAtPath({\n id,\n
path,\n rendererID,\n type: 'props',\n value,\n });\n }\n };\n\n // Temporarily support older
standalone front-ends by forwarding the older message types\n // to the new \"overrideValueAtPath\" command the
backend is now listening to.\n overrideState: SetInParams => void = ({\n id,\n path,\n rendererID,\n
wasForwarded,\n value,\n }) => {\n // Don't forward a message that's already been forwarded by the front-end
Bridge.\n // We only need to process the override command once!\n if (!wasForwarded) {\n
this.overrideValueAtPath({\n id,\n path,\n rendererID,\n type: 'state',\n value,\n });\n }\n
};\n\n reloadAndProfile: (recordChangeDescriptions: boolean) => void =\n recordChangeDescriptions => {\n
sessionStorageSetItem(SESSION_STORAGE_RELOAD_AND_PROFILE_KEY, 'true');\n
sessionStorageSetItem(\n SESSION_STORAGE_RECORD_CHANGE_DESCRIPTIONS_KEY,\n
recordChangeDescriptions ? 'true' : 'false',\n );\n\n // This code path should only be hit if the shell has
explicitly told the Store that it supports profiling.\n // In that case, the shell must also listen for this specific
message to know when it needs to reload the app.\n // The agent can't do this in a way that is renderer agnostic.\n
this._bridge.send('reloadAppForProfiling');\n };;\n\n renamePath: RenamePathParams => void = ({\n
hookID,\n id,\n newPath,\n oldPath,\n rendererID,\n type,\n }) => {\n const renderer =
this._rendererInterfaces[rendererID];\n if (renderer == null) {\n console.warn(`Invalid renderer id
\"${rendererID}\" for element \"${id}\"`);\n } else {\n renderer.renamePath(type, id, hookID, oldPath,
newPath);\n }\n };\n\n selectNode(target: Object): void {\n const id = this.getIDForNode(target);\n if (id !==
null) {\n this._bridge.send('selectFiber', id);\n }\n }\n\n setRendererInterface(\n rendererID: RendererID,\n
rendererInterface: RendererInterface,\n ) {\n this._rendererInterfaces[rendererID] = rendererInterface;\n\n if
(this._isProfiling) {\n rendererInterface.startProfiling(this._recordChangeDescriptions);\n }\n\n
rendererInterface.setTraceUpdatesEnabled(this._traceUpdatesEnabled);\n\n // When the renderer is attached, we
need to tell it whether\n // we remember the previous selection that we'd like to restore.\n // It'll start tracking
mounts for matches to the last selection path.\n const selection = this._persistedSelection;\n if (selection !== null
&& selection.rendererID === rendererID) {\n rendererInterface.setTrackedPath(selection.path);\n }\n }\n\n
setTraceUpdatesEnabled: (traceUpdatesEnabled: boolean) => void =\n traceUpdatesEnabled => {\n
this._traceUpdatesEnabled = traceUpdatesEnabled;\n setTraceUpdatesEnabled(traceUpdatesEnabled);\n\n
for (const rendererID in this._rendererInterfaces) {\n const renderer = ((this._rendererInterfaces[\n
(rendererID: any)\n ]: any): RendererInterface);\n
renderer.setTraceUpdatesEnabled(traceUpdatesEnabled);\n }\n };\n\n
syncSelectionFromNativeElementsPanel: () => void = () => {\n const target =
window.__REACT_DEVTOOLS_GLOBAL_HOOK__.$0;\n if (target == null) {\n return;\n }\n
this.selectNode(target);\n };\n\n shutdown: () => void = () => {\n // Clean up the overlay if visible, and associated
events.\n this.emit('shutdown');\n };\n\n startProfiling: (recordChangeDescriptions: boolean) => void =\n
recordChangeDescriptions => {\n this._recordChangeDescriptions = recordChangeDescriptions;\n
this._isProfiling = true;\n for (const rendererID in this._rendererInterfaces) {\n const renderer =
((this._rendererInterfaces[\n (rendererID: any)\n ]: any): RendererInterface);\n

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renderer.startProfiling(recordChangeDescriptions);\n    }\n    this._bridge.send('profilingStatus',
this._isProfiling);\n  };\n  stopProfiling: () => void = () => {\n    this._isProfiling = false;\n
this._recordChangeDescriptions = false;\n    for (const rendererID in this._rendererInterfaces) {\n      const renderer
= ((this._rendererInterfaces[\n        (rendererID: any)\n      ]: any): RendererInterface);\n
renderer.stopProfiling();\n    }\n    this._bridge.send('profilingStatus', this._isProfiling);\n  };\n  stopInspectingNative: (selected: boolean) => void = selected => {\n    this._bridge.send('stopInspectingNative',
selected);\n  };\n  storeAsGlobal: StoreAsGlobalParams => void = ({\n    count,\n    id,\n    path,\n    rendererID,\n
  }) => {\n    const renderer = this._rendererInterfaces[rendererID];\n    if (renderer == null) {\n
console.warn(`Invalid renderer id \"${rendererID}\" for element \"${id}\"`);\n    } else {\n
renderer.storeAsGlobal(id, path, count);\n    }\n  };\n  updateConsolePatchSettings: ({\n
appendComponentStack: boolean,\n    breakOnConsoleErrors: boolean,\n    browserTheme: BrowserTheme,\n
hideConsoleLogsInStrictMode: boolean,\n    showInlineWarningsAndErrors: boolean,\n  }) => void = ({\n
appendComponentStack,\n    breakOnConsoleErrors,\n    showInlineWarningsAndErrors,\n
hideConsoleLogsInStrictMode,\n    browserTheme,\n  }: ConsolePatchSettings) => {\n    // If the frontend
preferences have changed,\n    // or in the case of React Native- if the backend is just finding out the preferences-\n
// then reinstall the console overrides.\n    // It's safe to call `patchConsole` multiple times.\n    patchConsole({\n
appendComponentStack,\n    breakOnConsoleErrors,\n    showInlineWarningsAndErrors,\n
hideConsoleLogsInStrictMode,\n    browserTheme,\n  });\n  };\n  updateComponentFilters: (componentFilters:
Array<ComponentFilter>) => void =\n    componentFilters => {\n    for (const rendererID in
this._rendererInterfaces) {\n      const renderer = ((this._rendererInterfaces[\n        (rendererID: any)\n      ]: any):
RendererInterface);\n      renderer.updateComponentFilters(componentFilters);\n    }\n  };\n  viewAttributeSource: CopyElementParams => void = ({id, path, rendererID}) => {\n    const renderer =
this._rendererInterfaces[rendererID];\n    if (renderer == null) {\n      console.warn(`Invalid renderer id
\"${rendererID}\" for element \"${id}\"`);\n    } else {\n      renderer.prepareViewAttributeSource(id, path);\n    }\n  };\n  viewElementSource: ElementAndRendererID => void = ({id, rendererID}) => {\n    const renderer =
this._rendererInterfaces[rendererID];\n    if (renderer == null) {\n      console.warn(`Invalid renderer id
\"${rendererID}\" for element \"${id}\"`);\n    } else {\n      renderer.prepareViewElementSource(id);\n    }\n  };\n  onTraceUpdates: (nodes: Set<NativeType>) => void = nodes => {\n    this.emit('traceUpdates', nodes);\n  };\n  onFastRefreshScheduled: () => void = () => {\n    if (__DEBUG__) {\n      debug('onFastRefreshScheduled');\n
    }\n    this._bridge.send('fastRefreshScheduled');\n  };\n  onHookOperations: (operations: Array<number>) =>
void = operations => {\n    if (__DEBUG__) {\n      debug(\n        'onHookOperations',\n
`${operations.length} [${operations.join(', ')}]`,\n        );\n    }\n    // TODO:\n    // The chrome.runtime does not
currently support transferables; it forces JSON serialization.\n    // See bug
https://bugs.chromium.org/p/chromium/issues/detail?id=927134\n    //\n    // Regarding transferables, the
postMessage doc states:\n    // If the ownership of an object is transferred, it becomes unusable (neutered)\n    // in
the context it was sent from and becomes available only to the worker it was sent to.\n    //\n    // Even though
Chrome is eventually JSON serializing the array buffer,\n    // using the transferable approach also sometimes causes
it to throw:\n    // DOMException: Failed to execute 'postMessage' on 'Window': ArrayBuffer at index 0 is already
neutered.\n    //\n    // See bug https://github.com/bvaughn/react-devtools-experimental/issues/25\n    //\n    // The
Store has a fallback in place that parses the message as JSON if the type isn't an array.\n    // For now the simplest
fix seems to be to not transfer the array.\n    // This will negatively impact performance on Firefox so it's
unfortunate,\n    // but until we're able to fix the Chrome error mentioned above, it seems necessary.\n    //\n    //
this._bridge.send('operations', operations, [operations.buffer]);\n    this._bridge.send('operations', operations);\n
  };\n  if (this._persistedSelection !== null) {\n    const rendererID = operations[0];\n    if
(this._persistedSelection.rendererID === rendererID) {\n      // Check if we can select a deeper match for the
persisted selection.\n      const renderer = this._rendererInterfaces[rendererID];\n      if (renderer == null) {\n
console.warn(`Invalid renderer id \"${rendererID}\"`);\n      } else {\n        const prevMatch =
this._persistedSelectionMatch;\n        const nextMatch = renderer.getBestMatchForTrackedPath();\n

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this._persistedSelectionMatch = nextMatch;\n      const prevMatchID = prevMatch !== null ? prevMatch.id :
null;\n      const nextMatchID = nextMatch !== null ? nextMatch.id : null;\n      if (prevMatchID !==
nextMatchID) {\n        if (nextMatchID !== null) {\n          // We moved forward, unlocking a deeper node.\n
this._bridge.send('selectFiber', nextMatchID);\n          }\n          if (nextMatch !== null &&
nextMatch.isFullMatch) {\n            // We've just unlocked the innermost selected node.\n            // There's no point
tracking it further.\n            this._persistedSelection = null;\n            this._persistedSelectionMatch = null;\n
renderer.setTrackedPath(null);\n          }\n          }\n          }\n          }\n          }\n          onUnsupportedRenderer(rendererID:
number) {\n            this._bridge.send('unsupportedRendererVersion', rendererID);\n          }\n          _throttledPersistSelection: any
= throttle(\n            (rendererID: number, id: number) => {\n              // This is throttled, so both renderer and selected ID\n
// might not be available by the time we read them.\n              // This is why we need the defensive checks here.\n              const
renderer = this._rendererInterfaces[rendererID];\n              const path = renderer !== null ? renderer.getPathForElement(id)
: null;\n              if (path !== null) {\n                sessionStorage.setItem(\n
SESSION_STORAGE_LAST_SELECTION_KEY,\n                  JSON.stringify({rendererID, path}:
PersistedSelection)),\n                );\n              } else {\n
sessionStorage.removeItem(SESSION_STORAGE_LAST_SELECTION_KEY);\n              }\n            },\n            1000,\n
);\n          }\n        },\n        /**\n        * Install the hook on window, which is an event emitter.\n        * Note: this global hook
__REACT_DEVTOOLS_GLOBAL_HOOK__ is a de facto public API.\n        * It's especially important to avoid
creating direct dependency on the DevTools Backend.\n        * That's why we still inline the whole event emitter
implementation,\n        * the string format implementation, and part of the console implementation here.\n        */\n        @flow\n
*/\n        import type {BrowserTheme} from './types';\n        import type {\n          DevToolsHook,\n          Handler,\n
ReactRenderer,\n          RendererID,\n          RendererInterface,\n          DevToolsBackend,\n        } from './backend/types';\n        declare var
window: any;\n        export function installHook(target: any): DevToolsHook | null {\n          if
(target.hasOwnProperty('__REACT_DEVTOOLS_GLOBAL_HOOK__')) {\n            return null;\n          }\n          let
targetConsole: Object = console;\n          let targetConsoleMethods: {[string]: $FlowFixMe} = {};\n          for (const method in
console) {\n            targetConsoleMethods[method] = console[method];\n          }\n          function
dangerous_setTargetConsoleForTesting(\n            targetConsoleForTesting: Object,\n          ): void {\n            targetConsole =
targetConsoleForTesting;\n            targetConsoleMethods = ({\n              [string]: $FlowFixMe\n            });\n            for (const method in
targetConsole) {\n              targetConsoleMethods[method] = console[method];\n            }\n          }\n          function
detectReactBuildType(renderer: ReactRenderer) {\n            try {\n              if (typeof renderer.version === 'string') {\n                //
React DOM Fiber (16+)\n                if (renderer.bundleType > 0) {\n                  // This is not a production build.\n                  // We
are currently only using 0 (PROD) and 1 (DEV)\n                  // but might add 2 (PROFILE) in the future.\n                  return
'development';\n                }\n                // React 16 uses flat bundles. If we report the bundle as production\n                // version, it
means we also minified and envified it ourselves.\n                return 'production';\n                // Note: There is still a risk that
the CommonJS entry point has not\n                // been envified or uglified. In this case the user would have *both*\n
// development and production bundle, but only the prod one would run.\n                // This would be really bad. We have
a separate check for this because\n                // it happens *outside* of the renderer injection. See `checkDCE` below.\n
            }\n            // $FlowFixMe[method-unbinding]\n            const toString = Function.prototype.toString;\n            if
(renderer.Mount && renderer.Mount._renderNewRootComponent) {\n              // React DOM Stack\n              const
renderRootCode = toString.call(\n                renderer.Mount._renderNewRootComponent,\n              );\n              // Filter out
bad results (if that is even possible):\n              if (renderRootCode.indexOf('function') !== 0) {\n                // Hope for the
best if we're not sure.\n                return 'production';\n              }\n              // Check for React DOM Stack < 15.1.0 in
development.\n              // If it contains \"storedMeasure\" call, it's wrapped in ReactPerf (DEV only).\n              // This
would be true even if it's minified, as method name still matches.\n              if
(renderRootCode.indexOf('storedMeasure') !== -1) {\n                return 'development';\n              }\n              // For other
versions (and configurations) it's not so easy.\n              // Let's quickly exclude proper production builds.\n              // If it
contains a warning message, it's either a DEV build,\n              // or an PROD build without proper dead code
elimination.\n              if (renderRootCode.indexOf('should be a pure function') !== -1) {\n                // Now how do we tell
a DEV build from a bad PROD build?\n                // If we see NODE_ENV, we're going to assume this is a dev build\n

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// because most likely it is referring to an empty shim.\n      if (renderRootCode.indexOf('NODE_ENV') !== -
1) {\n      return 'development';\n      }\n      // If we see \"development\", we're dealing with an envified
DEV build\n      // (such as the official React DEV UMD).\n      if (renderRootCode.indexOf('development')
!== -1) {\n      return 'development';\n      }\n      // I've seen process.env.NODE_ENV !== 'production'
being smartly\n      // replaced by `true` in DEV by Webpack. I don't know how that\n      // works but we can
safely guard against it because `true` was\n      // never used in the function source since it was written.\n      if
(renderRootCode.indexOf('true') !== -1) {\n      return 'development';\n      }\n      // By now either it is a
production build that has not been minified,\n      // or (worse) this is a minified development build using non-
standard\n      // environment (e.g. \"staging\"). We're going to look at whether\n      // the function argument
name is mangled:\n      if (\n      // 0.13 to 15\n      renderRootCode.indexOf('nextElement') !== -1 ||\n
// 0.12\n      renderRootCode.indexOf('nextComponent') !== -1\n      ) {\n      // We can't be certain
whether this is a development build or not,\n      // but it is definitely unminified.\n      return 'unminified';\n
      } else {\n      // This is likely a minified development build.\n      return 'development';\n      }\n      }\n
      // By now we know that it's envified and dead code elimination worked,\n      // but what if it's still not minified?
(Is this even possible?)\n      // Let's check matches for the first argument name.\n      if (\n      // 0.13 to 15\n
renderRootCode.indexOf('nextElement') !== -1 ||\n      // 0.12\n
renderRootCode.indexOf('nextComponent') !== -1\n      ) {\n      return 'unminified';\n      }\n      // Seems like
we're using the production version.\n      // However, the branch above is Stack-only so this is 15 or earlier.\n
return 'outdated';\n      }\n      } catch (err) {\n      // Weird environments may exist.\n      // This code needs a higher
fault tolerance\n      // because it runs even with closed DevTools.\n      // TODO: should we catch errors in all
injected code, and not just this part?\n      }\n      return 'production';\n      }\n\n      function checkDCE(fn: Function) {\n      //
This runs for production versions of React.\n      // Needs to be super safe.\n      try {\n      // $FlowFixMe[method-
unbinding]\n      const toString = Function.prototype.toString;\n      const code = toString.call(fn);\n      // This is a
string embedded in the passed function under DEV-only\n      // condition. However the function executes only in
PROD. Therefore,\n      // if we see it, dead code elimination did not work.\n      if (code.indexOf('^_^') > -1) {\n
      // Remember to report during next injection.\n      hasDetectedBadDCE = true;\n      // Bonus: throw an
exception hoping that it gets picked up by a reporting system.\n      // Not synchronously so that it doesn't break the
calling code.\n      setTimeout(function () {\n      throw new Error(\n      'React is running in production mode,
but dead code ' +\n      'elimination has not been applied. Read how to correctly ' +\n      'configure React
for production: ' +\n      'https://reactjs.org/link/perf-use-production-build',\n      );\n      });\n      }\n      } catch
(err) {\n      }\n      }\n      // NOTE: KEEP IN SYNC with src/backend/utils.js\n      function formatWithStyles(\n      inputArgs:
$ReadOnlyArray<any>,\n      style?: string,\n      ): $ReadOnlyArray<any> {\n      if (\n      inputArgs === undefined ||\n
inputArgs === null ||\n      inputArgs.length === 0 ||\n      // Matches any of %c but not %%c\n      (typeof
inputArgs[0] === 'string' &&\n      inputArgs[0].match(/([^\]]*)(%c)/g)) ||\n      style === undefined\n      ) {\n
return inputArgs;\n      }\n      // Matches any of %(o|O|d|i|s|f), but not %% (o|O|d|i|s|f)\n      const REGEXP =
/([^\]]*)(%)(%*)%([oOdisf])/g;\n      if (typeof inputArgs[0] === 'string' && inputArgs[0].match(REGEXP)) {\n
return ['%c${inputArgs[0]}', style, ...inputArgs.slice(1)];\n      } else {\n      const firstArg =
inputArgs.reduce((formatStr, elem, i) => {\n      if (i > 0) {\n      formatStr += ' ';\n      }\n      switch (typeof
elem) {\n      case 'string':\n      case 'boolean':\n      case 'symbol':\n      return (formatStr += '%s');\n
      case 'number':\n      const formatting = Number.isInteger(elem) ? '%i' : '%f';\n      return (formatStr +=
formatting);\n      default:\n      return (formatStr += '%o');\n      }\n      }, '%c');\n      return [firstArg, style,
...inputArgs];\n      }\n      }\n      }\n      let unpatchFn = null;\n      // NOTE: KEEP IN SYNC with
src/backend/console.js:patchForStrictMode\n      // This function hides or dims console logs during the initial double
renderer\n      // in Strict Mode. We need this function because during initial render,\n      // React and DevTools are
connecting and the renderer interface isn't available\n      // and we want to be able to have consistent logging behavior
for double logs\n      // during the initial renderer.\n      function patchConsoleForInitialRenderInStrictMode({\n      hideConsoleLogsInStrictMode,\n      browserTheme,\n      }): {\n      hideConsoleLogsInStrictMode: boolean,\n
browserTheme: BrowserTheme,\n      }) {\n      const overrideConsoleMethods = [\n      'error',\n      'group',\n

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'groupCollapsed',\n  'info',\n  'log',\n  'trace',\n  'warn',\n  ];\n\n  if (unpatchFn !== null) {\n    // Don't\n    patch twice.\n    return;\n  }\n\n  const originalConsoleMethods: {[string]: $FlowFixMe} = {};\n  unpatchFn\n  = () => {\n    for (const method in originalConsoleMethods) {\n      try {\n        targetConsole[method] =\n        originalConsoleMethods[method];\n      } catch (error) {} \n    }\n  };\n\n  overrideConsoleMethods.forEach(method => {\n    try {\n      const originalMethod =\n      (originalConsoleMethods[method] = targetConsole[\n        method\n      ].__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__\n        ?\n      targetConsole[method]).__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__\n        :\n      targetConsole[method]);\n      const overrideMethod = (...args: $ReadOnlyArray<any>) => {\n        if\n        (!hideConsoleLogsInStrictMode) {\n          // Dim the text color of the double logs if we're not\n          // hiding\n          them.\n          let color;\n          switch (method) {\n            case 'warn':\n              color =\n              browserTheme === 'light'\n                ? process.env.LIGHT_MODE_DIMMED_WARNING_COLOR\n                : process.env.DARK_MODE_DIMMED_WARNING_COLOR;\n              break;\n            case 'error':\n              color =\n              browserTheme === 'light'\n                ?\n                process.env.LIGHT_MODE_DIMMED_ERROR_COLOR\n                :\n                process.env.DARK_MODE_DIMMED_ERROR_COLOR;\n              break;\n            case 'log':\n              default:\n                color =\n                browserTheme === 'light'\n                  ?\n                  process.env.LIGHT_MODE_DIMMED_LOG_COLOR\n                  :\n                  process.env.DARK_MODE_DIMMED_LOG_COLOR;\n              break;\n          }\n          if (color) {\n            originalMethod(...formatWithStyles(args, `color: ${color}`));\n          } else {\n            throw Error('Console color\n            is not defined');\n          }\n        }\n      };\n      overrideMethod.__REACT_DEVTOOLS_STRICT_MODE_ORIGINAL_METHOD__ =\n        originalMethod;\n      overrideMethod.__REACT_DEVTOOLS_STRICT_MODE_OVERRIDE_METHOD__ =\n        originalMethod;\n      targetConsole[method] = overrideMethod;\n    } catch (error) {} \n  });\n\n  //\n  NOTE: KEEP IN SYNC with src/backend/console.js:unpatchForStrictMode\n  function\n  unpatchConsoleForInitialRenderInStrictMode() {\n    if (unpatchFn !== null) {\n      unpatchFn();\n      unpatchFn =\n      null;\n    }\n    let uidCounter = 0;\n    function inject(renderer: ReactRenderer) {\n      const id =\n      ++uidCounter;\n      renderers.set(id, renderer);\n      const reactBuildType = hasDetectedBadDCE\n        ?\n        'deadcode'\n        : detectReactBuildType(renderer);\n      // Patching the console enables DevTools to do a few useful\n      things:\n      // * Append component stacks to warnings and error messages\n      // * Disabling or marking logs during\n      a double render in Strict Mode\n      // * Disable logging during re-renders to inspect hooks (see\n      inspectHooksOfFiber)\n      //\n      // Allow patching console early (during injection) to\n      // provide developers with\n      components stacks even if they don't run DevTools.\n      if\n      (target.hasOwnProperty('__REACT_DEVTOOLS_CONSOLE_FUNCTIONS__')) {\n        const\n        {registerRendererWithConsole, patchConsoleUsingWindowValues} =\n        target.__REACT_DEVTOOLS_CONSOLE_FUNCTIONS__;\n        if (\n          typeof registerRendererWithConsole\n          === 'function' &&\n          typeof patchConsoleUsingWindowValues === 'function'\n        ) {\n          registerRendererWithConsole(renderer);\n          patchConsoleUsingWindowValues();\n        }\n      }\n      // If we have\n      just reloaded to profile, we need to inject the renderer interface before the app loads.\n      // Otherwise the renderer\n      won't yet exist and we can skip this step.\n      const attach = target.__REACT_DEVTOOLS_ATTACH__;\n      if\n      (typeof attach === 'function') {\n        const rendererInterface = attach(hook, id, renderer, target);\n        hook.rendererInterfaces.set(id, rendererInterface);\n      }\n      hook.emit('renderer', {\n        id,\n        renderer,\n        reactBuildType,\n      });\n      return id;\n    }\n    let hasDetectedBadDCE = false;\n    function sub(event: string, fn:\n    Handler) {\n      hook.on(event, fn);\n      return () => hook.off(event, fn);\n    }\n    function on(event: string, fn:\n    Handler) {\n      if (!listeners[event]) {\n        listeners[event] = [];\n      }\n      listeners[event].push(fn);\n    }\n    function\n    off(event: string, fn: Handler) {\n      if (!listeners[event]) {\n        return;\n      }\n      const index =\n      listeners[event].indexOf(fn);\n      if (index !== -1) {\n        listeners[event].splice(index, 1);\n      }\n      if\n      (!listeners[event].length) {\n        delete listeners[event];\n      }\n    }\n    function emit(event: string, data: any) {\n      if

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(listeners[event]) {\n  listeners[event].map(fn => fn(data));\n } \n } \n\n function getFiberRoots(rendererID:
RendererID) {\n  const roots = fiberRoots;\n  if (!roots[rendererID]) {\n    roots[rendererID] = new Set();\n  }\n  return roots[rendererID];\n } \n\n function onCommitFiberUnmount(rendererID: RendererID, fiber: any) {\n
const rendererInterface = rendererInterfaces.get(rendererID);\n  if (rendererInterface !== null) {\n
rendererInterface.handleCommitFiberUnmount(fiber);\n  }\n } \n\n function onCommitFiberRoot(\n  rendererID:
RendererID,\n  root: any,\n  priorityLevel: void | number,\n ) {\n  const mountedRoots =
hook.getFiberRoots(rendererID);\n  const current = root.current;\n  const isKnownRoot =
mountedRoots.has(root);\n  const isUnmounting =\n    current.memoizedState === null ||
current.memoizedState.element === null;\n\n  // Keep track of mounted roots so we can hydrate when DevTools
connect.\n  if (!isKnownRoot && !isUnmounting) {\n    mountedRoots.add(root);\n  } else if (isKnownRoot &&
isUnmounting) {\n    mountedRoots.delete(root);\n  }\n  const rendererInterface =
rendererInterfaces.get(rendererID);\n  if (rendererInterface !== null) {\n
rendererInterface.handleCommitFiberRoot(root, priorityLevel);\n  }\n } \n\n function
onPostCommitFiberRoot(rendererID: RendererID, root: any) {\n  const rendererInterface =
rendererInterfaces.get(rendererID);\n  if (rendererInterface !== null) {\n
rendererInterface.handlePostCommitFiberRoot(root);\n  }\n } \n\n function setStrictMode(rendererID:
RendererID, isStrictMode: any) {\n  const rendererInterface = rendererInterfaces.get(rendererID);\n  if
(rendererInterface !== null) {\n    if (isStrictMode) {\n      rendererInterface.patchConsoleForStrictMode();\n    }
else {\n      rendererInterface.unpatchConsoleForStrictMode();\n    }\n  } else {\n    // This should only happen
during initial render in the extension before DevTools\n    // finishes its handshake with the injected renderer\n
if (isStrictMode) {\n      const hideConsoleLogsInStrictMode =\n        window.__REACT_DEVTOOLS_HIDE_CONSOLE_LOGS_IN_STRICT_MODE__ === true;\n      const
browserTheme = window.__REACT_DEVTOOLS_BROWSER_THEME__;\n      patchConsoleForInitialRenderInStrictMode({\n        hideConsoleLogsInStrictMode,\n        browserTheme,\n
});\n    } else {\n      unpatchConsoleForInitialRenderInStrictMode();\n    }\n  }\n } \n\n type StackFrameString
= string;\n\n const openModuleRangesStack: Array<StackFrameString> = [];\n const moduleRanges:
Array<[StackFrameString, StackFrameString]> = [];\n\n function getTopStackFrameString(error: Error):
StackFrameString | null {\n  const frames = error.stack.split("\n");\n  const frame = frames.length > 1 ? frames[1] :
null;\n  return frame;\n } \n\n function getInternalModuleRanges(): Array<\n  [StackFrameString,
StackFrameString],\n > {\n  return moduleRanges;\n } \n\n function registerInternalModuleStart(error: Error) {\n
const startStackFrame = getTopStackFrameString(error);\n  if (startStackFrame !== null) {\n
openModuleRangesStack.push(startStackFrame);\n  }\n } \n\n function registerInternalModuleStop(error: Error)
{\n  if (openModuleRangesStack.length > 0) {\n    const startStackFrame = openModuleRangesStack.pop();\n
const stopStackFrame = getTopStackFrameString(error);\n    if (stopStackFrame !== null) {\n
moduleRanges.push([startStackFrame, stopStackFrame]);\n    }\n  }\n } \n\n // TODO: More meaningful names
for \"rendererInterfaces\" and \"renderers\".\n const fiberRoots: {[RendererID]: Set<mixed>} = {};\n const
rendererInterfaces = new Map<RendererID, RendererInterface>();\n const listeners: {[string]: Array<Handler>} =
{};\n const renderers = new Map<RendererID, ReactRenderer>();\n const backends = new Map<string,
DevToolsBackend>();\n\n const hook: DevToolsHook = {\n  rendererInterfaces,\n  listeners,\n\n  backends,\n\n  // Fast Refresh for web relies on this.\n  renderers,\n\n  emit,\n  getFiberRoots,\n  inject,\n  on,\n  off,\n
sub,\n\n  // This is a legacy flag.\n  // React v16 checks the hook for this to ensure DevTools is new enough.\n
supportsFiber: true,\n\n  // React calls these methods.\n  checkDCE,\n  onCommitFiberUnmount,\n
onCommitFiberRoot,\n  onPostCommitFiberRoot,\n  setStrictMode,\n\n  // Schedule Profiler runtime helpers.\n
// These internal React modules to report their own boundaries\n  // which in turn enables the profiler to dim or
filter internal frames.\n  getInternalModuleRanges,\n  registerInternalModuleStart,\n
registerInternalModuleStop,\n }; \n\n if (__TEST__) {\n  hook.dangerous_setTargetConsoleForTesting =\n    dangerous_setTargetConsoleForTesting;\n } \n\n Object.defineProperty(\n  target,\n
'__REACT_DEVTOOLS_GLOBAL_HOOK__',\n  ({\n    // This property needs to be configurable for the test

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environment,\n // else we won't be able to delete and recreate it between tests.\n configurable: __DEV__,\n
enumerable: false,\n get() {\n return hook;\n },\n }; Object),\n );\n\n return hook;\n}\n", "/*\n *
Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found
in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n */\n\nimport type
{InternalInstance} from './renderer';\n\nexport function decorate(object: Object, attr: string, fn: Function): Function
{\n const old = object[attr];\n // $FlowFixMe[missing-this-annot] webpack config needs to be updated to allow
`this` type annotations\n object[attr] = function (instance: InternalInstance) {\n return fn.call(this, old,
arguments);\n };\n return old;\n}\n\nexport function decorateMany(\n source: Object,\n fns: {[attr: string]:
Function, ...},\n): Object {\n const olds: {[string]: $FlowFixMe} = {};\n for (const name in fns) {\n olds[name] =
decorate(source, name, fns[name]);\n }\n return olds;\n}\n\nexport function restoreMany(source: Object, olds:
Object): void {\n for (const name in olds) {\n source[name] = olds[name];\n }\n}\n\n// $FlowFixMe[missing-
this-annot] webpack config needs to be updated to allow `this` type annotations\nexport function
forceUpdate(instance: InternalInstance): void {\n if (typeof instance.forceUpdate === 'function') {\n
instance.forceUpdate();\n } else if (\n instance.updater != null &&\n typeof
instance.updater.enqueueForceUpdate === 'function'\n ) {\n instance.updater.enqueueForceUpdate(this, () => {},
'forceUpdate');\n }\n}\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is
licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n *
@flow\n */\n\nimport {\n ElementTypeClass,\n ElementTypeFunction,\n ElementTypeRoot,\n
ElementTypeHostComponent,\n ElementTypeOtherOrUnknown,\n } from 'react-devtools-shared/src/types';\nimport
{getUID, utfEncodeString, printOperationsArray} from '../utils';\nimport {\n cleanForBridge,\n
copyWithDelete,\n copyWithRename,\n copyWithSet,\n serializeToString,\n } from './utils';\nimport {\n
deletePathInObject,\n getDisplayName,\n getInObject,\n renamePathInObject,\n setInObject,\n } from 'react-
devtools-shared/src/utils';\nimport {\n __DEBUG__,\n TREE_OPERATION_ADD,\n
TREE_OPERATION_REMOVE,\n TREE_OPERATION_REORDER_CHILDREN,\n } from
'../constants';\nimport {decorateMany, forceUpdate, restoreMany} from './utils';\nimport type {\n
DevToolsHook,\n GetFiberIDForNative,\n InspectedElementPayload,\n InstanceAndStyle,\n NativeType,\n
PathFrame,\n PathMatch,\n RendererInterface,\n } from './types';\nimport type {\n ComponentFilter,\n
ElementType,\n } from 'react-devtools-shared/src/types';\nimport type {InspectedElement, SerializedElement} from
'./types';\n\nexport type InternalInstance = Object;\nexport type LegacyRenderer = Object;\n\nfunction
getData(internalInstance: InternalInstance) {\n let displayName = null;\n let key = null;\n\n // != used deliberately
here to catch undefined and null\n if (internalInstance._currentElement != null) {\n if
(internalInstance._currentElement.key) {\n key = String(internalInstance._currentElement.key);\n }\n\n const
elementType = internalInstance._currentElement.type;\n if (typeof elementType === 'string') {\n displayName
= elementType;\n } else if (typeof elementType === 'function') {\n displayName =
getDisplayName(elementType);\n }\n }\n\n return {\n displayName,\n key,\n };\n}\n\nfunction
getElementType(internalInstance: InternalInstance): ElementType {\n // != used deliberately here to catch
undefined and null\n if (internalInstance._currentElement != null) {\n const elementType =
internalInstance._currentElement.type;\n if (typeof elementType === 'function') {\n const publicInstance =
internalInstance.getPublicInstance();\n if (publicInstance != null) {\n return ElementTypeClass;\n } else
{\n return ElementTypeFunction;\n }\n } else if (typeof elementType === 'string') {\n return
ElementTypeHostComponent;\n }\n }\n return ElementTypeOtherOrUnknown;\n}\n\nfunction
getChildren(internalInstance: Object): Array<any> {\n const children = [];\n\n // If the parent is a native node
without rendered children, but with\n // multiple string children, then the `element` that gets passed in here is\n // a
plain value -- a string or number.\n if (typeof internalInstance !== 'object') {\n // No children\n } else if (\n
internalInstance._currentElement === null ||\n internalInstance._currentElement === false\n ) {\n // No
children\n } else if (internalInstance._renderedComponent) {\n const child =
internalInstance._renderedComponent;\n if (getElementType(child) !== ElementTypeOtherOrUnknown) {\n
children.push(child);\n }\n } else if (internalInstance._renderedChildren) {\n const renderedChildren =

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internalInstance._renderedChildren;\n  for (const name in renderedChildren) {\n    const child =
renderedChildren[name];\n    if (getElementType(child) !== ElementTypeOtherOrUnknown) {\n
children.push(child);\n    }\n  }\n  // Note: we skip the case where children are just strings or numbers\n //
because the new DevTools skips over host text nodes anyway.\n  return children;\n}\n\nexport function attach(\n
hook: DevToolsHook,\n rendererID: number,\n renderer: LegacyRenderer,\n global: Object,\n): RendererInterface
{\n  const idToInternalInstanceMap: Map<number, InternalInstance> = new Map();\n  const
internalInstanceToIDMap: WeakMap<InternalInstance, number> =\n    new WeakMap();\n  const
internalInstanceToRootIDMap: WeakMap<InternalInstance, number> =\n    new WeakMap();\n\n  let
getInternalIDForNative: GetFiberIDForNative =\n    ((null: any): GetFiberIDForNative);\n  let
findNativeNodeForInternalID: (id: number) => ?NativeType;\n  let getFiberForNative = (node: NativeType) => {\n
// Not implemented.\n  return null;\n  };\n\n  if (renderer.ComponentTree) {\n    getInternalIDForNative = (node,
findNearestUnfilteredAncestor) => {\n      const internalInstance =\n
renderer.ComponentTree.getClosestInstanceFromNode(node);\n      return
internalInstanceToIDMap.get(internalInstance) || null;\n    };\n    findNativeNodeForInternalID = (id: number) =>
{\n      const internalInstance = idToInternalInstanceMap.get(id);\n      return
renderer.ComponentTree.getNodeFromInstance(internalInstance);\n    };\n    getFiberForNative = (node:
NativeType) => {\n      return renderer.ComponentTree.getClosestInstanceFromNode(node);\n    };\n  } else if
(renderer.Mount.getID && renderer.Mount.getNode) {\n    getInternalIDForNative = (node,
findNearestUnfilteredAncestor) => {\n      // Not implemented.\n      return null;\n    };\n    findNativeNodeForInternalID = (id: number) => {\n
// Not implemented.\n      return null;\n    };\n  }\n\n  function getDisplayNameForFiberID(id: number): string | null {\n    const internalInstance =
idToInternalInstanceMap.get(id);\n    return internalInstance ? getData(internalInstance).displayName : null;\n  }\n\n  function getID(internalInstance: InternalInstance): number {\n    if (typeof internalInstance !== 'object' ||
internalInstance === null) {\n      throw new Error('Invalid internal instance: ' + internalInstance);\n    }\n    if
(!internalInstanceToIDMap.has(internalInstance)) {\n      const id = getUID();\n      internalInstanceToIDMap.set(internalInstance, id);\n      idToInternalInstanceMap.set(id, internalInstance);\n    }\n    return ((internalInstanceToIDMap.get(internalInstance): any): number);\n  }\n\n  function areEqualArrays(a:
Array<any>, b: Array<any>) {\n    if (a.length !== b.length) {\n      return false;\n    }\n    for (let i = 0; i < a.length;
i++) {\n      if (a[i] !== b[i]) {\n        return false;\n      }\n    }\n    return true;\n  }\n\n  // This is shared mutable state
that lets us keep track of where we are.\n  let parentIDStack = [];\n\n  let oldReconcilerMethods = null;\n  if
(renderer.Reconciler) {\n    // React 15\n    oldReconcilerMethods = decorateMany(renderer.Reconciler, {\n
mountComponent(fn, args) {\n      const internalInstance = args[0];\n      const hostContainerInfo = args[3];\n      if
(getElementType(internalInstance) === ElementTypeOtherOrUnknown) {\n        // $FlowFixMe[object-this-reference] found when upgrading Flow\n        return fn.apply(this, args);\n      }\n      if
(hostContainerInfo._topLevelWrapper === undefined) {\n        // SSR\n        // $FlowFixMe[object-this-reference]
found when upgrading Flow\n        return fn.apply(this, args);\n      }\n      const id = getID(internalInstance);\n
      // Push the operation.\n      const parentID =\n        parentIDStack.length > 0\n          ?\n        parentIDStack[parentIDStack.length - 1]\n          : 0;\n      recordMount(internalInstance, id, parentID);\n      parentIDStack.push(id);\n      // Remember the root.\n      internalInstanceToRootIDMap.set(\n
internalInstance,\n        getID(hostContainerInfo._topLevelWrapper),\n      );\n      try {\n        //
$FlowFixMe[object-this-reference] found when upgrading Flow\n        const result = fn.apply(this, args);\n        parentIDStack.pop();\n        return result;\n      } catch (err) {\n        // $FlowFixMe[incompatible-type] found
when upgrading Flow\n        parentIDStack = [];\n        throw err;\n      } finally {\n        if
(parentIDStack.length === 0) {\n          const rootID = internalInstanceToRootIDMap.get(internalInstance);\n          if (rootID === undefined) {\n            throw new Error('Expected to find root ID.);\n          }\n          flushPendingEvents(rootID);\n        }\n      }\n    },\n    performUpdateIfNecessary(fn, args) {\n      const
internalInstance = args[0];\n      if (getElementType(internalInstance) === ElementTypeOtherOrUnknown) {\n
// $FlowFixMe[object-this-reference] found when upgrading Flow\n        return fn.apply(this, args);\n      }\n    }\n  }\n\n  // $FlowFixMe[object-this-reference] found when upgrading Flow\n  return fn.apply(this, args);\n  }\n\n}

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const id = getID(internalInstance);\n    parentIDStack.push(id);\n\n    const prevChildren =
getChildren(internalInstance);\n    try {\n        // $FlowFixMe[object-this-reference] found when upgrading
Flow\n        const result = fn.apply(this, args);\n\n        const nextChildren = getChildren(internalInstance);\n    if (!areEqualArrays(prevChildren, nextChildren)) {\n        // Push the operation\n    recordReorder(internalInstance, id, nextChildren);\n        }\n\n        parentIDStack.pop();\n        return result;\n    } catch (err) {\n        // $FlowFixMe[incompatible-type] found when upgrading Flow\n        parentIDStack = [];\n        throw err;\n    } finally {\n        if (parentIDStack.length === 0) {\n            const rootID =
internalInstanceToRootIDMap.get(internalInstance);\n            if (rootID === undefined) {\n                throw new
Error('Expected to find root ID.);\n            }\n            flushPendingEvents(rootID);\n        }\n    },\n    receiveComponent(fn, args) {\n        const internalInstance = args[0];\n        if (getElementType(internalInstance)
=== ElementTypeOtherOrUnknown) {\n            // $FlowFixMe[object-this-reference] found when upgrading Flow\n            return fn.apply(this, args);\n        }\n        const id = getID(internalInstance);\n        parentIDStack.push(id);\n        const prevChildren = getChildren(internalInstance);\n        try {\n            //
$FlowFixMe[object-this-reference] found when upgrading Flow\n            const result = fn.apply(this, args);\n\n            const nextChildren = getChildren(internalInstance);\n            if (!areEqualArrays(prevChildren, nextChildren)) {\n                // Push the operation\n                recordReorder(internalInstance, id, nextChildren);\n            }\n            parentIDStack.pop();\n            return result;\n        } catch (err) {\n            // $FlowFixMe[incompatible-type] found
when upgrading Flow\n            parentIDStack = [];\n            throw err;\n        } finally {\n            if
(parentIDStack.length === 0) {\n                const rootID = internalInstanceToRootIDMap.get(internalInstance);\n                if (rootID === undefined) {\n                    throw new Error('Expected to find root ID.);\n                }\n                flushPendingEvents(rootID);\n            }\n        },\n        unmountComponent(fn, args) {\n            const
internalInstance = args[0];\n            if (getElementType(internalInstance) === ElementTypeOtherOrUnknown) {\n                // $FlowFixMe[object-this-reference] found when upgrading Flow\n                return fn.apply(this, args);\n            }\n            const id = getID(internalInstance);\n            parentIDStack.push(id);\n            try {\n                // $FlowFixMe[object-this-
reference] found when upgrading Flow\n                const result = fn.apply(this, args);\n                parentIDStack.pop();\n            }\n            // Push the operation.\n            recordUnmount(internalInstance, id);\n            return result;\n        } catch (err) {\n            // $FlowFixMe[incompatible-type] found when upgrading Flow\n            parentIDStack = [];\n            throw err;\n        } finally {\n            if (parentIDStack.length === 0) {\n                const rootID =
internalInstanceToRootIDMap.get(internalInstance);\n                if (rootID === undefined) {\n                    throw new
Error('Expected to find root ID.);\n                }\n                flushPendingEvents(rootID);\n            }\n        },\n    });\n\n    }\n\n    function cleanup() {\n        if (oldReconcilerMethods !== null) {\n            if (renderer.Component) {\n                restoreMany(renderer.Component.Mixin, oldReconcilerMethods);\n            } else {\n                restoreMany(renderer.Reconciler, oldReconcilerMethods);\n            }\n        }\n        oldReconcilerMethods = null;\n    }\n\n    function recordMount(\n        internalInstance: InternalInstance,\n        id: number,\n        parentID: number,\n    ) {\n        const
isRoot = parentID === 0;\n\n        if (__DEBUG__) {\n            console.log(\n                '%crecordMount()',\n                'color: green;\n                font-weight: bold;',\n                id,\n                getData(internalInstance).displayName,\n            );\n        }\n\n        if (isRoot) {\n            //
TODO Is this right? For all versions?\n            const hasOwnerMetadata =\n                internalInstance._currentElement !=
null &&\n                internalInstance._currentElement._owner != null;\n\n            pushOperation(TREE_OPERATION_ADD);\n            pushOperation(id);\n            pushOperation(ElementTypeRoot);\n            pushOperation(0); // StrictMode compliant?\n            pushOperation(0); // Profiling flag\n            pushOperation(0); //
StrictMode supported?\n            pushOperation(hasOwnerMetadata ? 1 : 0);\n        } else {\n            const type =
getElementType(internalInstance);\n            const { displayName, key } = getData(internalInstance);\n            const
ownerID =\n                internalInstance._currentElement != null &&\n                internalInstance._currentElement._owner !=
null\n                ? getID(internalInstance._currentElement._owner)\n                : 0;\n            const displayNameStringID =
getStringID(displayName);\n            const keyStringID = getStringID(key);\n            pushOperation(TREE_OPERATION_ADD);\n            pushOperation(id);\n            pushOperation(type);\n            pushOperation(parentID);\n            pushOperation(ownerID);\n            pushOperation(displayNameStringID);\n            pushOperation(keyStringID);\n        }\n    }\n\n    function recordReorder(\n        internalInstance: InternalInstance,\n        id:

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number,\n  nextChildren: Array<InternalInstance>,\n ) {\n
pushOperation(TREE_OPERATION_REORDER_CHILDREN);\n  pushOperation(id);\n  const nextChildIDs =
nextChildren.map(getID);\n  pushOperation(nextChildIDs.length);\n  for (let i = 0; i < nextChildIDs.length; i++)
{\n  pushOperation(nextChildIDs[i]);\n  }\n }\n\n function recordUnmount(internalInstance: InternalInstance,
id: number) {\n  pendingUnmountedIDs.push(id);\n  idToInternalInstanceMap.delete(id);\n }\n\n function
crawlAndRecordInitialMounts(\n  id: number,\n  parentID: number,\n  rootID: number,\n ) {\n  if
(__DEBUG__) {\n  console.group('crawlAndRecordInitialMounts() id:', id);\n  }\n\n  const internalInstance =
idToInternalInstanceMap.get(id);\n  if (internalInstance !== null) {\n
internalInstanceToRootIDMap.set(internalInstance, rootID);\n  recordMount(internalInstance, id, parentID);\n
getChildren(internalInstance).forEach(child =>\n  crawlAndRecordInitialMounts(getID(child), id, rootID),\n
);\n  }\n }\n\n if (__DEBUG__) {\n  console.groupEnd();\n  }\n }\n\n function flushInitialOperations() {\n  //
Crawl roots though and register any nodes that mounted before we were injected.\n\n  const roots =\n
rendererer.Mount._instancesByReactRootID ||\n  rendererer.Mount._instancesByContainerID;\n\n  for (const key in
roots) {\n  const internalInstance = roots[key];\n  const id = getID(internalInstance);\n
crawlAndRecordInitialMounts(id, 0, id);\n  flushPendingEvents(id);\n  }\n }\n\n const pendingOperations:
Array<number> = [];\n  const pendingStringTable: Map<string, number> = new Map();\n  let
pendingUnmountedIDs: Array<number> = [];\n  let pendingStringTableLength: number = 0;\n  let
pendingUnmountedRootID: number | null = null;\n\n  function flushPendingEvents(rootID: number) {\n  if (\n
pendingOperations.length === 0 &&\n  pendingUnmountedIDs.length === 0 &&\n
pendingUnmountedRootID === null\n  ) {\n  return;\n  }\n\n  const numUnmountIDs =\n
pendingUnmountedIDs.length + (pendingUnmountedRootID === null ? 0 : 1);\n\n  const operations = new
Array<number>(\n  // Identify which renderer this update is coming from.\n  2 + // [rendererID, rootFiberID]\n
  // How big is the string table?\n  1 + // [stringTableLength]\n  // Then goes the actual string table.\n
pendingStringTableLength +\n  // All unmounts are batched in a single message.\n  //
[TREE_OPERATION_REMOVE, removedIDLength, ...ids]\n  (numUnmountIDs > 0 ? 2 + numUnmountIDs :
0) +\n  // Mount operations\n  pendingOperations.length,\n  );\n\n  // Identify which renderer this update is
coming from.\n  // This enables roots to be mapped to renderers,\n  // Which in turn enables fiber properations,
states, and hooks to be inspected.\n  let i = 0;\n  operations[i++] = rendererID;\n  operations[i++] = rootID;\n
\n  // Now fill in the string table.\n  // [stringTableLength, str1Length, ...str1, str2Length, ...str2, ...]\n
operations[i++] =
pendingStringTableLength;\n  pendingStringTable.forEach((value, key) => {\n  operations[i++] =
key.length;\n  const encodedKey = utfEncodeString(key);\n  for (let j = 0; j < encodedKey.length; j++) {\n
operations[i + j] = encodedKey[j];\n  } i += key.length;\n  });\n\n  if (numUnmountIDs > 0) {\n  // All
unmounts except roots are batched in a single message.\n  operations[i++] = TREE_OPERATION_REMOVE;\n
\n  // The first number is how many unmounted IDs we're gonna send.\n  operations[i++] = numUnmountIDs;\n
\n  // Fill in the unmounts\n  for (let j = 0; j < pendingUnmountedIDs.length; j++) {\n  operations[i++] =
pendingUnmountedIDs[j];\n  }\n  // The root ID should always be unmounted last.\n  if
(pendingUnmountedRootID !== null) {\n  operations[i] = pendingUnmountedRootID;\n  i++;\n  }\n
}\n\n  // Fill in the rest of the operations.\n  for (let j = 0; j < pendingOperations.length; j++) {\n  operations[i +
j] = pendingOperations[j];\n  } i += pendingOperations.length;\n\n  if (__DEBUG__) {\n
printOperationsArray(operations);\n  }\n\n  // If we've already connected to the frontend, just pass the operations
through.\n  hook.emit('operations', operations);\n\n  pendingOperations.length = 0;\n  pendingUnmountedIDs =
[];\n  pendingUnmountedRootID = null;\n  pendingStringTable.clear();\n  pendingStringTableLength = 0;\n
}\n\n  function pushOperation(op: number): void {\n  if (__DEV__) {\n  if (!Number.isInteger(op)) {\n
console.error(\n    'pushOperation() was called but the value is not an integer.',\n    op,\n  );\n  }\n  }\n
\n  pendingOperations.push(op);\n  }\n\n  function getStringID(str: string | null): number {\n  if (str === null) {\n
return 0;\n  }\n  const existingID = pendingStringTable.get(str);\n  if (existingID !== undefined) {\n  return
existingID;\n  }\n  const stringID = pendingStringTable.size + 1;\n  pendingStringTable.set(str, stringID);\n  //
The string table total length needs to account\n  // both for the string length, and for the array item\n  // that

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contains the length itself. Hence + 1.\n  pendingStringTableLength += str.length + 1;\n  return stringID;\n }\n\n let currentlyInspectedElementID: number | null = null;\n let currentlyInspectedPaths: Object = {};\n // Track the intersection of currently inspected paths,\n // so that we can send their data along if the element is re-rendered.\n function mergeInspectedPaths(path: Array<string | number>) {\n  let current = currentlyInspectedPaths;\n  path.forEach(key => {\n    if (!current[key]) {\n      current[key] = {};\n    }\n    current = current[key];\n  });\n }\n\n function createIsPathAllowed(key: string) {\n  // This function helps prevent previously-inspected paths from being dehydrated in updates.\n  // This is important to avoid a bad user experience where expanded toggles collapse on update.\n  return function isPathAllowed(path: Array<string | number>): boolean {\n    let current = currentlyInspectedPaths[key];\n    if (!current) {\n      return false;\n    }\n    for (let i = 0; i < path.length; i++) {\n      current = current[path[i]];\n      if (!current) {\n        return false;\n      }\n    }\n    return true;\n  };\n }\n\n // Fast path props lookup for React Native style editor.\n function getInstanceAndStyle(id: number): InstanceAndStyle {\n  let instance = null;\n  let style = null;\n\n  const internalInstance = idToInternalInstanceMap.get(id);\n  if (internalInstance != null) {\n    instance = internalInstance._instance || null;\n\n    const element = internalInstance._currentElement;\n    if (element != null && element.props != null) {\n      style = element.props.style || null;\n    }\n  }\n\n  return {\n    instance,\n    style,\n  };\n }\n\n function updateSelectedElement(id: number): void {\n  const internalInstance = idToInternalInstanceMap.get(id);\n  if (internalInstance == null) {\n    console.warn(`Could not find instance with id \"${id}\"`);\n    return;\n  }\n\n  switch (getElementType(internalInstance)) {\n    case ElementTypeClass:\n      global.$r = internalInstance._instance;\n      break;\n    case ElementTypeFunction:\n      const element = internalInstance._currentElement;\n      if (element == null) {\n        console.warn(`Could not find element with id \"${id}\"`);\n        return;\n      }\n\n      global.$r = {\n        props: element.props,\n        type: element.type,\n      };\n      break;\n    default:\n      global.$r = null;\n      break;\n  }\n }\n\n function storeAsGlobal(\n  id: number,\n  path: Array<string | number>,\n  count: number,\n ): void {\n  const inspectedElement = inspectElementRaw(id);\n  if (inspectedElement != null) {\n    const value = getInObject(inspectedElement, path);\n    const key = `$_reactTemp${count}`;\n\n    window[key] = value;\n\n    console.log(key);\n    console.log(value);\n  }\n }\n\n function getSerializedElementValueByPath(\n  id: number,\n  path: Array<string | number>,\n ): ?string {\n  const inspectedElement = inspectElementRaw(id);\n  if (inspectedElement != null) {\n    const valueToCopy = getInObject(inspectedElement, path);\n    return serializeToString(valueToCopy);\n  }\n }\n\n function inspectElement(\n  requestID: number,\n  id: number,\n  path: Array<string | number> | null,\n  forceFullData: boolean,\n ): InspectedElementPayload {\n  if (forceFullData || currentlyInspectedElementID != id) {\n    currentlyInspectedElementID = id;\n    currentlyInspectedPaths = {};\n  }\n\n  const inspectedElement = inspectElementRaw(id);\n  if (inspectedElement == null) {\n    return {\n      id,\n      responseID: requestID,\n      type: 'not-found',\n    };\n  }\n\n  if (path != null) {\n    mergeInspectedPaths(path);\n  }\n\n  // Any time an inspected element has an update,\n  // we should update the selected $r value as well.\n  // Do this before dehydration (cleanForBridge).\n  updateSelectedElement(id);\n\n  inspectedElement.context = cleanForBridge(\n    inspectedElement.context,\n    createIsPathAllowed('context'),\n  );\n  inspectedElement.props = cleanForBridge(\n    inspectedElement.props,\n    createIsPathAllowed('props'),\n  );\n  inspectedElement.state = cleanForBridge(\n    inspectedElement.state,\n    createIsPathAllowed('state'),\n  );\n\n  return {\n    id,\n    responseID: requestID,\n    type: 'full-data',\n    value: inspectedElement,\n  };\n }\n\n function inspectElementRaw(id: number): InspectedElement | null {\n  const internalInstance = idToInternalInstanceMap.get(id);\n  if (internalInstance == null) {\n    return null;\n  }\n\n  const {displayName, key} = getData(internalInstance);\n  const type = getElementType(internalInstance);\n  let context = null;\n  let owners = null;\n  let props = null;\n  let state = null;\n  let source = null;\n\n  const element = internalInstance._currentElement;\n  if (element != null) {\n    props = element.props;\n    source = element._source != null ? element._source : null;\n\n    let owner = element._owner;\n    if (owner) {\n      owners = ([]: Array<SerializedElement>);\n      while (owner != null) {\n        owners.push({\n          displayName: getData(owner).displayName || 'Unknown',\n          id: getID(owner),\n          key: element.key,\n          type: getElementType(owner),\n        });\n        if

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(owner._currentElement) {\n      owner = owner._currentElement._owner;\n    }\n  }\n }\n }\n\nconst publicInstance = internalInstance._instance;\n  if (publicInstance !== null) {\n    context =\n    publicInstance.context || null;\n    state = publicInstance.state || null;\n  }\n\n  // Not implemented\n  const\n  errors: Array<[string, number]> = [];\n  const warnings: Array<[string, number]> = [];\n\n  return {\n    id,\n\n    // Does the current renderer support editable hooks and function props?\n    canEditHooks: false,\n    canEditFunctionProps: false,\n\n    // Does the current renderer support advanced editing interface?\n    canEditHooksAndDeletePaths: false,\n    canEditHooksAndRenamePaths: false,\n    canEditFunctionPropsDeletePaths: false,\n    canEditFunctionPropsRenamePaths: false,\n\n    // Toggle error\n    boundary did not exist in legacy versions\n    canToggleError: false,\n    isErrored: false,\n\n    targetErrorBoundaryID: null,\n\n    // Suspense did not exist in legacy versions\n    canToggleSuspense: false,\n\n    // Can view component source location.\n    canViewSource: type === ElementTypeClass || type ===\n    ElementTypeFunction,\n\n    // Only legacy context exists in legacy versions.\n    hasLegacyContext: true,\n\n    displayName: displayName,\n\n    type: type,\n\n    key: key !== null ? key : null,\n\n    // Inspectable properties.\n    context,\n    hooks,\n    props,\n    state,\n    errors,\n    warnings,\n\n    // List of owners\n    owners,\n\n    // Location of component in source code.\n    source,\n\n    rootType: null,\n\n    rendererPackageName: null,\n    rendererVersion: null,\n\n    plugins: {\n      stylex: null,\n    },\n  }\n\n  function logElementToConsole(id: number): void {\n    const result = inspectElementRaw(id);\n    if (result ===\n    null) {\n      console.warn(`Could not find element with id \"${id}\"`);\n      return;\n    }\n\n    const supportsGroup\n    = typeof console.groupCollapsed === 'function';\n    if (supportsGroup) {\n      console.groupCollapsed(\n      `[Click to expand] %c<${result.displayName} | 'Component' />`,\n      // --dom-tag-name-color is the CSS variable\n      Chrome styles HTML elements with in the console.\n      'color: var(--dom-tag-name-color); font-weight:\n      normal;',\n      );\n    }\n\n    if (result.props !== null) {\n      console.log('Props:', result.props);\n    }\n\n    if (result.state\n    !== null) {\n      console.log('State:', result.state);\n    }\n\n    if (result.context !== null) {\n      console.log('Context:',\n      result.context);\n    }\n\n    const nativeNode = findNativeNodeForInternalID(id);\n    if (nativeNode !== null) {\n      console.log('Node:', nativeNode);\n    }\n\n    if (window.chrome || /firefox/i.test(navigator.userAgent)) {\n      console.log(\n      'Right-click any value to save it as a global variable for further inspection.',\n      );\n    }\n\n    if\n    (supportsGroup) {\n      console.groupEnd();\n    }\n  }\n\n  function prepareViewAttributeSource(\n    id: number,\n    path: Array<string | number>,\n  ): void {\n    const inspectedElement = inspectElementRaw(id);\n    if\n    (inspectedElement !== null) {\n      window.$attribute = getInObject(inspectedElement, path);\n    }\n  }\n\n  function prepareViewElementSource(id: number): void {\n    const internalInstance =\n    idToInternalInstanceMap.get(id);\n    if (internalInstance === null) {\n      console.warn(`Could not find instance with\n    id \"${id}\"`);\n      return;\n    }\n\n    const element = internalInstance._currentElement;\n    if (element === null) {\n      console.warn(`Could not find element with id \"${id}\"`);\n      return;\n    }\n\n    global.$type = element.type;\n  }\n\n  function deletePath(\n    type: 'context' | 'hooks' | 'props' | 'state',\n    id: number,\n    hookID: ?number,\n    path: Array<string | number>,\n  ): void {\n    const internalInstance = idToInternalInstanceMap.get(id);\n    if\n    (internalInstance !== null) {\n      const publicInstance = internalInstance._instance;\n      if (publicInstance !== null)\n      {\n        switch (type) {\n          case 'context':\n            deletePathInObject(publicInstance.context, path);\n            forceUpdate(publicInstance);\n            break;\n          case 'hooks':\n            throw new Error('Hooks not supported by\n            this renderer');\n          case 'props':\n            const element = internalInstance._currentElement;\n            internalInstance._currentElement = {\n              ...element,\n              props: copyWithDelete(element.props, path),\n            };\n            forceUpdate(publicInstance);\n            break;\n          case 'state':\n            deletePathInObject(publicInstance.state, path);\n            forceUpdate(publicInstance);\n            break;\n        }\n      }\n    }\n  }\n\n  function renamePath(\n    type: 'context' | 'hooks' | 'props' | 'state',\n    id: number,\n    hookID:\n    ?number,\n    oldPath: Array<string | number>,\n    newPath: Array<string | number>,\n  ): void {\n    const\n    internalInstance = idToInternalInstanceMap.get(id);\n    if (internalInstance !== null) {\n      const publicInstance =\n      internalInstance._instance;\n      if (publicInstance !== null) {\n        switch (type) {\n          case 'context':\n            renamePathInObject(publicInstance.context, oldPath, newPath);\n            forceUpdate(publicInstance);\n            break;\n          case 'hooks':\n            throw new Error('Hooks not supported by this renderer');\n          case 'props':\n

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const element = internalInstance._currentElement;\n      internalInstance._currentElement = {\n
...element,\n      props: copyWithRename(element.props, oldPath, newPath),\n    };\n
forceUpdate(publicInstance);\n      break;\n      case 'state':\n        renamePathInObject(publicInstance.state,\n        oldPath, newPath);\n        forceUpdate(publicInstance);\n        break;\n    }\n  }\n}\n\n function\noverrideValueAtPath(\n  type: 'context' | 'hooks' | 'props' | 'state',\n  id: number,\n  hookID: ?number,\n  path:\n  Array<string | number>,\n  value: any,\n  ): void {\n  const internalInstance = idToInternalInstanceMap.get(id);\n  if (internalInstance != null) {\n    const publicInstance = internalInstance._instance;\n    if (publicInstance != null)\n    {\n      switch (type) {\n        case 'context':\n          setInObject(publicInstance.context, path, value);\n          forceUpdate(publicInstance);\n          break;\n        case 'hooks':\n          throw new Error('Hooks not supported by\n          this renderer');\n        case 'props':\n          const element = internalInstance._currentElement;\n          internalInstance._currentElement = {\n            ...element,\n            props: copyWithSet(element.props, path,\n            value),\n          };\n          forceUpdate(publicInstance);\n          break;\n        case 'state':\n          setInObject(publicInstance.state, path, value);\n          forceUpdate(publicInstance);\n          break;\n        }\n      }\n    }\n  }\n}\n\n // v16+ only features\n const getProfilingData = () => {\n  throw new Error('getProfilingData not\n  supported by this renderer');\n }; \n const handleCommitFiberRoot = () => {\n  throw new\n  Error('handleCommitFiberRoot not supported by this renderer');\n }; \n const handleCommitFiberUnmount = () =>\n {\n  throw new Error('handleCommitFiberUnmount not supported by this renderer');\n }; \n const\n  handlePostCommitFiberRoot = () => {\n  throw new Error('handlePostCommitFiberRoot not supported by this\n  renderer');\n }; \n const overrideError = () => {\n  throw new Error('overrideError not supported by this\n  renderer');\n }; \n const overrideSuspense = () => {\n  throw new Error('overrideSuspense not supported by this\n  renderer');\n }; \n const startProfiling = () => {\n  // Do not throw, since this would break a multi-root scenario\n  where v15 and v16 were both present.\n }; \n const stopProfiling = () => {\n  // Do not throw, since this would\n  break a multi-root scenario where v15 and v16 were both present.\n }; \n\n function\ngetBestMatchForTrackedPath(): PathMatch | null {\n  // Not implemented.\n  return null;\n }\n\n function\ngetPathForElement(id: number): Array<PathFrame> | null {\n  // Not implemented.\n  return null;\n }\n\n function\nupdateComponentFilters(componentFilters: Array<ComponentFilter>) {\n  // Not implemented.\n }\n\n function\nsetTraceUpdatesEnabled(enabled: boolean) {\n  // Not implemented.\n }\n\n function\nsetTrackedPath(path: Array<PathFrame> | null) {\n  // Not implemented.\n }\n\n function\ngetOwnersList(id:\nnumber): Array<SerializedElement> | null {\n  // Not implemented.\n  return null;\n }\n\n function\nclearErrorsAndWarnings() {\n  // Not implemented.\n }\n\n function\nclearErrorsForFiberID(id: number) {\n  //\n  Not implemented.\n }\n\n function\nclearWarningsForFiberID(id: number) {\n  // Not implemented.\n }\n\n function\npatchConsoleForStrictMode() {\n  }\n\n function\nunpatchConsoleForStrictMode() {\n  }\n\n return {\n  clearErrorsAndWarnings,\n  clearErrorsForFiberID,\n  clearWarningsForFiberID,\n  cleanup,\n  getSerializedElementValueByPath,\n  deletePath,\n  flushInitialOperations,\n  getBestMatchForTrackedPath,\n  getDisplayNameForFiberID,\n  getFiberForNative,\n  getFiberIDForNative: getInternalIDForNative,\n  getInstanceAndStyle,\n  findNativeNodesForFiberID: (id: number) => {\n    const nativeNode =\n    findNativeNodeForInternalID(id);\n    return nativeNode == null ? null : [nativeNode];\n  },\n  getOwnersList,\n  getPathForElement,\n  getProfilingData,\n  handleCommitFiberRoot,\n  handleCommitFiberUnmount,\n  handlePostCommitFiberRoot,\n  inspectElement,\n  logElementToConsole,\n  overrideError,\n  overrideSuspense,\n  overrideValueAtPath,\n  renamePath,\n  patchConsoleForStrictMode,\n  prepareViewAttributeSource,\n  prepareViewElementSource,\n  renderer,\n  setTraceUpdatesEnabled,\n  setTrackedPath,\n  startProfiling,\n  stopProfiling,\n  storeAsGlobal,\n  unpatchConsoleForStrictMode,\n  updateComponentFilters,\n  };\n}\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n * *\n * This source\n  code is licensed under the MIT license found in the\n  *\n  LICENSE file in the root directory of this source tree.\n  *\n  *\n  * @flow\n  */\n\nimport Agent from './agent';\n\nimport {attach} from './renderer';\n\nimport {attach as attachLegacy}\n  from './legacy/renderer';\n\nimport {hasAssignedBackend} from './utils';\n\nimport type {DevToolsHook,\n  ReactRenderer, RendererInterface} from './types';\n\n// this is the backend that is compactible with all older React\n  versions\nfunction\nisMatchingRender(version: string): boolean {\n  return

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!hasAssignedBackend(version);\n}\n\nexport type InitBackend = typeof initBackend;\n\nexport function
initBackend(\n hook: DevToolsHook,\n agent: Agent,\n global: Object,\n): () => void {\n if (hook == null) {\n //
DevTools didn't get injected into this page (maybe b'c of the contentType).\n return () => {};\n }\n const subs =
[\n hook.sub(\n 'renderer-attached',\n ({\n id,\n renderer,\n rendererInterface,\n }): {\n id:
number,\n renderer: ReactRenderer,\n rendererInterface: RendererInterface,\n ...,\n }) => {\n
agent.setRendererInterface(id, rendererInterface);\n\n // Now that the Store and the renderer interface are
connected,\n // it's time to flush the pending operation codes to the frontend.\n
rendererInterface.flushInitialOperations();\n },\n ),\n\n hook.sub('unsupported-renderer-version', (id: number)
=> {\n agent.onUnsupportedRenderer(id);\n })),\n\n hook.sub('fastRefreshScheduled',
agent.onFastRefreshScheduled),\n\n hook.sub('operations', agent.onHookOperations),\n\n hook.sub('traceUpdates',
agent.onTraceUpdates),\n\n // TODO Add additional subscriptions required for profiling mode\n ];\n\n const
attachRenderer = (id: number, renderer: ReactRenderer) => {\n // skip if already attached\n if (renderer.attached)
{\n return;\n }\n // only attach if the renderer is compatible with the current version of the backend\n if
(!isMatchingRender(renderer.reconcilerVersion || renderer.version)) {\n return;\n }\n let rendererInterface =
hook.rendererInterfaces.get(id);\n\n // Inject any not-yet-injected renderers (if we didn't reload-and-profile)\n if
(rendererInterface == null) {\n if (typeof renderer.findFiberByHostInstance === 'function') {\n // react-
reconciler v16+\n rendererInterface = attach(hook, id, renderer, global);\n } else if
(renderer.ComponentTree) {\n // react-dom v15\n rendererInterface = attachLegacy(hook, id, renderer,
global);\n } else {\n // Older react-dom or other unsupported renderer version\n }\n\n if
(rendererInterface != null) {\n hook.rendererInterfaces.set(id, rendererInterface);\n }\n }\n\n // Notify the
DevTools frontend about new renderers.\n // This includes any that were attached early (via
__REACT_DEVTOOLS_ATTACH__).\n if (rendererInterface != null) {\n hook.emit('renderer-attached', {\n
id,\n renderer,\n rendererInterface,\n });\n } else {\n hook.emit('unsupported-renderer-version',
id);\n }\n renderer.attached = true;\n };\n\n // Connect renderers that have already injected themselves.\n
hook.renderers.forEach((renderer, id) => {\n attachRenderer(id, renderer);\n });\n\n // Connect any new renderers
that injected themselves.\n subs.push(\n hook.sub(\n 'renderer',\n ({id, renderer}: {id: number, renderer:
ReactRenderer, ...}) => {\n attachRenderer(id, renderer);\n },\n ),\n ),\n );\n\n hook.emit('react-devtools',
agent);\n\n hook.reactDevtoolsAgent = agent;\n\n const onAgentShutdown = () => {\n subs.forEach(fn => fn());\n
hook.rendererInterfaces.forEach(rendererInterface => {\n rendererInterface.cleanup();\n });\n\n
hook.reactDevtoolsAgent = null;\n };\n\n agent.addListener('shutdown', onAgentShutdown);\n\n subs.push(() => {\n
agent.removeListener('shutdown', onAgentShutdown);\n });\n\n return () => {\n subs.forEach(fn => fn());\n
};\n\n"},\n\n"/**\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the
MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * @flow\n *\n\nimport
type {BoxStyle} from './types';\n\n/**\n * This mirrors react-native/Libraries/Inspector/resolveBoxStyle.js (but
without RTL support).\n *\n * Resolve a style property into it's component parts, e.g.\n *\n *
resolveBoxStyle('margin', {margin: 5, marginBottom: 10})\n * -> {top: 5, left: 5, right: 5, bottom: 10}\n *\n\nexport
default function resolveBoxStyle(\n prefix: string,\n style: Object,\n): BoxStyle | null {\n let hasParts = false;\n
const result = {\n bottom: 0,\n left: 0,\n right: 0,\n top: 0,\n };\n\n const styleForAll = style[prefix];\n if
(styleForAll != null) {\n // eslint-disable-next-line no-for-of-loops/no-for-of-loops\n for (const key of
Object.keys(result)) {\n result[key] = styleForAll;\n }\n hasParts = true;\n }\n\n const styleForHorizontal =
style[prefix + 'Horizontal'];\n if (styleForHorizontal != null) {\n result.left = styleForHorizontal;\n result.right =
styleForHorizontal;\n hasParts = true;\n } else {\n const styleForLeft = style[prefix + 'Left'];\n if (styleForLeft
!= null) {\n result.left = styleForLeft;\n hasParts = true;\n }\n\n const styleForRight = style[prefix +
'Right'];\n if (styleForRight != null) {\n result.right = styleForRight;\n hasParts = true;\n }\n\n const
styleForEnd = style[prefix + 'End'];\n if (styleForEnd != null) {\n // TODO RTL support\n result.right =
styleForEnd;\n hasParts = true;\n }\n\n const styleForStart = style[prefix + 'Start'];\n if (styleForStart != null)
{\n // TODO RTL support\n result.left = styleForStart;\n hasParts = true;\n }\n }\n\n const
styleForVertical = style[prefix + 'Vertical'];\n if (styleForVertical != null) {\n result.bottom = styleForVertical;\n

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result.top = styleForVertical;\n  hasParts = true;\n } else {\n  const styleForBottom = style[prefix + 'Bottom'];\n  if (styleForBottom !== null) {\n    result.bottom = styleForBottom;\n    hasParts = true;\n  }\n  const\n  styleForTop = style[prefix + 'Top'];\n  if (styleForTop !== null) {\n    result.top = styleForTop;\n    hasParts =\n    true;\n  }\n }\n return hasParts ? result : null;\n}\n\n", "/*\n * Copyright (c) Meta Platforms, Inc. and affiliates.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this\n * source tree.\n */\n * @flow\n */\n\nimport Agent from 'react-devtools-shared/src/backend/agent';\nimport\nresolveBoxStyle from './resolveBoxStyle';\nimport isArray from 'react-devtools-shared/src/isArray';\nimport type\n{BackendBridge} from 'react-devtools-shared/src/bridge';\nimport type {RendererID} from './types';\nimport type\n{StyleAndLayout} from './types';\n\nexport type ResolveNativeStyle = (stylesheetID: any) => ?Object;\nexport type\nSetupNativeStyleEditor = typeof setupNativeStyleEditor;\n\nexport default function setupNativeStyleEditor(\n  bridge: BackendBridge,\n  agent: Agent,\n  resolveNativeStyle: ResolveNativeStyle,\n  validAttributes?:\n  $ReadOnlyArray<string> | null,\n) {\n  bridge.addListener(\n    'NativeStyleEditor_measure',\n    ({id, rendererID}:\n    {id: number, rendererID: RendererID}) => {\n      measureStyle(agent, bridge, resolveNativeStyle, id, rendererID);\n    },\n  );\n  bridge.addListener(\n    'NativeStyleEditor_renameAttribute',\n    ({\n      id,\n      rendererID,\n      oldName,\n      newName,\n      value,\n    }:\n    {id: number, rendererID: RendererID, oldName:\n    string, newName: string, value: string, }) => {\n      renameStyle(agent, id, rendererID, oldName,\n      newName, value);\n      setTimeout(() =>\n      measureStyle(agent, bridge, resolveNativeStyle, id, rendererID),\n      );\n    },\n  );\n  bridge.addListener(\n    'NativeStyleEditor_setValue',\n    ({\n      id,\n      rendererID,\n      name,\n      value,\n    }:\n    {id: number, rendererID: number, name: string, value: string, }) =>\n    {\n      setStyle(agent, id, rendererID, name, value);\n      setTimeout(() =>\n      measureStyle(agent, bridge,\n      resolveNativeStyle, id, rendererID),\n      );\n    },\n  );\n  bridge.send('isNativeStyleEditorSupported', {\n    isSupported: true,\n    validAttributes,\n  });\n}\n\nconst EMPTY_BOX_STYLE = {\n  top: 0,\n  left: 0,\n  right: 0,\n  bottom: 0,\n};\n\nconst componentIDToStyleOverrides: Map<number, Object> = new Map();\n\nfunction\nmeasureStyle(\n  agent: Agent,\n  bridge: BackendBridge,\n  resolveNativeStyle: ResolveNativeStyle,\n  id:\n  number,\n  rendererID: RendererID,\n) {\n  const data = agent.getInstanceAndStyle({id, rendererID});\n  if (!data ||\n  !data.style) {\n    bridge.send(\n      'NativeStyleEditor_styleAndLayout',\n      ({\n        id,\n        layout: null,\n        style: null,\n      }:\n      StyleAndLayout),\n    );\n    return;\n  }\n  const {instance, style} = data;\n  let resolvedStyle\n  = resolveNativeStyle(style);\n  // If it's a host component we edited before, amend styles.\n  const styleOverrides =\n  componentIDToStyleOverrides.get(id);\n  if (styleOverrides !== null) {\n    resolvedStyle = Object.assign({},\n    resolvedStyle, styleOverrides);\n  }\n  if (!instance || typeof instance.measure !== 'function') {\n    bridge.send(\n      'NativeStyleEditor_styleAndLayout',\n      ({\n        id,\n        layout: null,\n        style: resolvedStyle || null,\n      }:\n      StyleAndLayout),\n    );\n    return;\n  }\n  instance.measure((x, y, width, height, left, top) => {\n    // RN Android\n    sometimes returns undefined here. Don't send measurements in this case.\n    // https://github.com/jhen0409/react-\n    native-debugger/issues/84#issuecomment-304611817\n    if (typeof x !== 'number') {\n      bridge.send(\n        'NativeStyleEditor_styleAndLayout',\n        ({\n          id,\n          layout: null,\n          style: resolvedStyle || null,\n        }:\n        StyleAndLayout),\n      );\n      return;\n    }\n    const margin =\n    (resolvedStyle !== null &&\n    resolveBoxStyle('margin', resolvedStyle)) ||\n    EMPTY_BOX_STYLE;\n    const padding =\n    (resolvedStyle\n    !== null && resolveBoxStyle('padding', resolvedStyle)) ||\n    EMPTY_BOX_STYLE;\n    bridge.send(\n      'NativeStyleEditor_styleAndLayout',\n      ({\n        id,\n        layout: {\n          x,\n          y,\n          width,\n          height,\n          left,\n          top,\n          margin,\n          padding,\n        },\n        style: resolvedStyle || null,\n      }:\n      StyleAndLayout),\n    );\n  });\n}\n\nfunction shallowClone(object: Object): Object {\n  const cloned: {[string]:\n  $FlowFixMe} = {};\n  for (const n in object) {\n    cloned[n] = object[n];\n  }\n  return cloned;\n}\n\nfunction\nrenameStyle(\n  agent: Agent,\n  id: number,\n  rendererID: RendererID,\n  oldName: string,\n  newName: string,\n  value: string,\n): void {\n  const data = agent.getInstanceAndStyle({id, rendererID});\n  if (!data || !data.style) {\n    return;\n  }\n  const {instance, style} = data;\n  const newStyle = newName\n    ? {[oldName]: undefined,\n    [newName]: value}\n    : {[oldName]: undefined};\n  let customStyle;\n  // TODO It would be nice if the\n  renderer interface abstracted this away somehow.\n  if (instance !== null && typeof instance.setNativeProps ===\n  'function') {\n    // In the case of a host component, we need to use setNativeProps().\n    // Remember to \"correct\"

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resolved styles when we read them next time.\n  const styleOverrides = componentIDToStyleOverrides.get(id);\n  if (!styleOverrides) {\n    componentIDToStyleOverrides.set(id, newStyle);\n  } else {\n    Object.assign(styleOverrides, newStyle);\n  } // TODO Fabric does not support setNativeProps; chat with\n  Sebastian or Eli\n  instance.setNativeProps({style: newStyle});\n  } else if (isArray(style)) {\n    const lastIndex =\n    style.length - 1;\n    if (typeof style[lastIndex] === 'object' && !isArray(style[lastIndex])) {\n      customStyle =\n      shallowClone(style[lastIndex]);\n      delete customStyle[oldName];\n      if (newName) {\n        customStyle[newName] = value;\n      } else {\n        customStyle[oldName] = undefined;\n      }\n    }\n    agent.overrideValueAtPath({\n      type: 'props',\n      id,\n      rendererID,\n      path: ['style', lastIndex],\n      value: customStyle,\n    });\n  } else {\n    agent.overrideValueAtPath({\n      type: 'props',\n      id,\n      rendererID,\n      path: ['style'],\n      value: style.concat([newStyle]),\n    });\n  } } else if (typeof style ===\n  'object') {\n    customStyle = shallowClone(style);\n    delete customStyle[oldName];\n    if (newName) {\n      customStyle[newName] = value;\n    } else {\n      customStyle[oldName] = undefined;\n    }\n    agent.overrideValueAtPath({\n      type: 'props',\n      id,\n      rendererID,\n      path: ['style'],\n      value:\n      customStyle,\n    });\n  } else {\n    agent.overrideValueAtPath({\n      type: 'props',\n      id,\n      rendererID,\n      path: ['style'],\n      value: [style, newStyle],\n    });\n  }\n  agent.emit('hideNativeHighlight');\n}\n\nfunction\nsetStyle(\n  agent: Agent,\n  id: number,\n  rendererID: RendererID,\n  name: string,\n  value: string,\n) {\n  const\n  data = agent.getInstanceAndStyle({id, rendererID});\n  if (!data || !data.style) {\n    return;\n  }\n  const {instance,\n  style} = data;\n  const newStyle = {[name]: value};\n  // TODO It would be nice if the renderer interface\n  abstracted this away somehow.\n  if (instance !== null && typeof instance.setNativeProps === 'function') {\n    // In\n    the case of a host component, we need to use setNativeProps().\n    // Remember to \"correct\" resolved styles when\n    we read them next time.\n    const styleOverrides = componentIDToStyleOverrides.get(id);\n    if (!styleOverrides)\n    {\n      componentIDToStyleOverrides.set(id, newStyle);\n    } else {\n      Object.assign(styleOverrides,\n      newStyle);\n    }\n    // TODO Fabric does not support setNativeProps; chat with Sebastian or Eli\n    instance.setNativeProps({style: newStyle});\n  } else if (isArray(style)) {\n    const lastLength = style.length - 1;\n    if (typeof style[lastLength] === 'object' && !isArray(style[lastLength])) {\n      agent.overrideValueAtPath({\n        type: 'props',\n        id,\n        rendererID,\n        path: ['style', lastLength, name],\n        value,\n      });\n    } else {\n      agent.overrideValueAtPath({\n        type: 'props',\n        id,\n        rendererID,\n        path: ['style'],\n        value:\n        style.concat([newStyle]),\n      });\n    } } else {\n      agent.overrideValueAtPath({\n        type: 'props',\n        id,\n        rendererID,\n        path: ['style'],\n        value: [style, newStyle],\n      });\n    }\n  }\n  agent.emit('hideNativeHighlight');\n}\n\n\"/**\n * Copyright (c) Facebook, Inc. and its affiliates.\n * This source\n * code is licensed under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n */\n * @flow\n */\n\nimport type {ConsolePatchSettings} from 'react-devtools-shared/src/backend/types';\nimport\n  {writeConsolePatchSettingsToWindow} from 'react-devtools-shared/src/backend/console';\nimport {castBool,\n  castBrowserTheme} from 'react-devtools-shared/src/utils';\n\n// Note: all keys should be optional in this type,\n  because users can use newer\n  // versions of React DevTools with older versions of React Native, and the object\n  // provided by React Native may not include all of this type's fields.\n\nexport type DevToolsSettingsManager = {\n  getConsolePatchSettings: ?() => string,\n  setConsolePatchSettings: ?(key: string) => void,\n};\n\nexport function\n  initializeUsingCachedSettings(\n    devToolsSettingsManager: DevToolsSettingsManager,\n  ) {\n    initializeConsolePatchSettings(devToolsSettingsManager);\n  }\n\nfunction initializeConsolePatchSettings(\n  devToolsSettingsManager: DevToolsSettingsManager,\n) {\n  if\n  (devToolsSettingsManager.getConsolePatchSettings === null) {\n    return;\n  }\n  const consolePatchSettingsString\n  =\n  devToolsSettingsManager.getConsolePatchSettings();\n  if (consolePatchSettingsString === null) {\n    return;\n  }\n  const parsedConsolePatchSettings = parseConsolePatchSettings(\n    consolePatchSettingsString,\n  );\n  if (parsedConsolePatchSettings === null) {\n    return;\n  }\n  writeConsolePatchSettingsToWindow(parsedConsolePatchSettings);\n}\n\nfunction parseConsolePatchSettings(\n  consolePatchSettingsString: string,\n): ?ConsolePatchSettings {\n  const parsedValue =\n  JSON.parse(consolePatchSettingsString ?? '{}');\n  const {\n    appendComponentStack,\n    breakOnConsoleErrors,\n    showInlineWarningsAndErrors,\n    hideConsoleLogsInStrictMode,\n  }

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browserTheme,\n } = parsedValue;\n return {\n  appendComponentStack: castBool(appendComponentStack) ??
true,\n  breakOnConsoleErrors: castBool(breakOnConsoleErrors) ?? false,\n  showInlineWarningsAndErrors:
castBool(showInlineWarningsAndErrors) ?? true,\n  hideConsoleLogsInStrictMode:
castBool(hideConsoleLogsInStrictMode) ?? false,\n  browserTheme: castBrowserTheme(browserTheme) ??
'dark',\n };\n}\n\nexport function cacheConsolePatchSettings(\n devToolsSettingsManager:
DevToolsSettingsManager,\n value: ConsolePatchSettings,\n): void {\n  if
(devToolsSettingsManager.setConsolePatchSettings === null) {\n    return;\n  }\n  devToolsSettingsManager.setConsolePatchSettings(JSON.stringify(value));\n}\n\n"/**\n * Copyright (c) Meta
Platforms, Inc. and affiliates.\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n * @flow\n */\n\nimport Agent from 'react-devtools-
shared/src/backend/agent';\nimport Bridge from 'react-devtools-shared/src/bridge';\nimport {installHook} from
'react-devtools-shared/src/hook';\nimport {initBackend} from 'react-devtools-shared/src/backend';\nimport
{installConsoleFunctionsToWindow} from 'react-devtools-shared/src/backend/console';\nimport {__DEBUG__}
from 'react-devtools-shared/src/constants';\nimport setupNativeStyleEditor from 'react-devtools-
shared/src/backend/NativeStyleEditor/setupNativeStyleEditor';\nimport {getDefaultComponentFilters} from 'react-
devtools-shared/src/utils';\nimport {\n  initializeUsingCachedSettings,\n  cacheConsolePatchSettings,\n  type
DevToolsSettingsManager,\n} from './cachedSettings';\nimport type {BackendBridge} from 'react-devtools-
shared/src/bridge';\nimport type {ComponentFilter} from 'react-devtools-shared/src/types';\nimport type
{DevToolsHook} from 'react-devtools-shared/src/backend/types';\nimport type {ResolveNativeStyle} from 'react-
devtools-shared/src/backend/NativeStyleEditor/setupNativeStyleEditor';\n\ntype ConnectOptions = {\n  host?:
string,\n  nativeStyleEditorValidAttributes?: $ReadOnlyArray<string>,\n  port?: number,\n  useHttps?: boolean,\n
  resolveRNStyle?: ResolveNativeStyle,\n  retryConnectionDelay?: number,\n  isAppActive?: () => boolean,\n
  websocket?: ?WebSocket,\n  devToolsSettingsManager: ?DevToolsSettingsManager,\n  ...;\n};\n\n// Install a global
variable to allow patching console early (during injection).\n// This provides React Native developers with
components stacks even if they don't run\n\nDevTools.\ninstallConsoleFunctionsToWindow();\ninstallHook(window);\n\nconst hook: ?DevToolsHook =
window.__REACT_DEVTOOLS_GLOBAL_HOOK__;\n\nlet savedComponentFilters: Array<ComponentFilter>
=\n  getDefaultComponentFilters();\n\nfunction debug(methodName: string, ...args: Array<mixed>) {\n  if
(__DEBUG__) {\n    console.log(\n      `%c[core/backend] %c${methodName}`, \n      'color: teal; font-weight:
bold;', \n      'font-weight: bold;', \n      ...args,\n    );\n  }\n}\n\nexport function connectToDevTools(options:
?ConnectOptions) {\n  if (hook === null) {\n    // DevTools didn't get injected into this page (maybe b'c of the
contentType).\n    return;\n  }\n  const {\n    host = 'localhost',\n    nativeStyleEditorValidAttributes,\n    useHttps =
false,\n    port = 8097,\n    websocket,\n    resolveRNStyle = (null: $FlowFixMe),\n    retryConnectionDelay =
2000,\n    isAppActive = () => true,\n    devToolsSettingsManager,\n  } = options || {};\n  const protocol =
useHttps ? 'wss' : 'ws';\n  let retryTimeoutID: TimeoutID | null = null;\n\n  function scheduleRetry() {\n    if
(retryTimeoutID === null) {\n      // Two seconds because RN had issues with quick retries.\n      retryTimeoutID =
setTimeout(\n        () => connectToDevTools(options),\n        retryConnectionDelay,\n      );\n    }\n  }\n  if
(devToolsSettingsManager != null) {\n    try {\n      initializeUsingCachedSettings(devToolsSettingsManager);\n    }
catch (e) {\n      // If we call a method on devToolsSettingsManager that throws, or if\n      // is invalid data read out,
don't throw and don't interrupt initialization\n      console.error(e);\n    }\n  }\n  if (!isAppActive()) {\n    // If the
app is in background, maybe retry later.\n    // Don't actually attempt to connect until we're in foreground.\n    scheduleRetry();\n    return;\n  }\n  let bridge: BackendBridge | null = null;\n\n  const messageListeners = [];\n  const uri = protocol + '://' + host + ':' + port;\n\n  // If existing websocket is passed, use it.\n  // This is necessary to
support our custom integrations.\n  // See D6251744.\n  const ws = websocket ? websocket : new
window.WebSocket(uri);\n  ws.onclose = handleClose;\n  ws.onerror = handleFailed;\n  ws.onmessage =
handleMessage;\n  ws.onopen = function () {\n    bridge = new Bridge({\n      listen(fn) {\n        messageListeners.push(fn);\n        return () => {\n          const index = messageListeners.indexOf(fn);\n          if
(index >= 0) {\n            messageListeners.splice(index, 1);\n          }\n        };\n      },\n      send(event: string,

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payload: any, transferable?: Array<any>) {\n    if (ws.readyState === ws.OPEN) {\n        if (__DEBUG__) {\n            debug('wall.send()', event, payload);\n        }\n        ws.send(JSON.stringify({event, payload}));\n    }\n    else {\n        if (__DEBUG__) {\n            debug(\n                'wall.send()',\n                'Shutting down bridge because\n                of closed WebSocket connection',\n            );\n        }\n        if (bridge !== null) {\n            bridge.shutdown();\n        }\n        scheduleRetry();\n    }\n};\n    bridge.addListener(\n        'updateComponentFilters',\n        (componentFilters: Array<ComponentFilter>) => {\n            // Save filter changes in memory, in case DevTools is\n            // reloaded.\n            // In that case, the renderer will already be using the updated values.\n            // We'll lose these in\n            // between backend reloads but that can't be helped.\n            savedComponentFilters = componentFilters;\n        },\n    );\n\n    if (devToolsSettingsManager !== null && bridge !== null) {\n        bridge.addListener('updateConsolePatchSettings', consolePatchSettings =>\n            cacheConsolePatchSettings(\n                devToolsSettingsManager,\n                consolePatchSettings,\n            ),\n        );\n    }\n\n    // The renderer interface\n    // doesn't read saved component filters directly,\n    // because they are generally stored in localStorage within the\n    // context of the extension.\n    // Because of this it relies on the extension to pass filters.\n    // In the case of the\n    // standalone DevTools being used with a website,\n    // saved filters are injected along with the backend script tag so\n    // we shouldn't override them here.\n    // This injection strategy doesn't work for React Native though.\n    // Ideally\n    // the backend would save the filters itself, but RN doesn't provide a sync storage solution.\n    // So for now we just\n    // fall back to using the default filters...\n    if (window.__REACT_DEVTOOLS_COMPONENT_FILTERS__ ===\n        null) {\n        // $FlowFixMe[incompatible-use] found when upgrading Flow\n        bridge.send('overrideComponentFilters', savedComponentFilters);\n    }\n\n    // TODO (npm-packages) Warn if\n    // \"isBackendStorageAPISupported\"\n    // $FlowFixMe[incompatible-call] found when upgrading Flow\n    const\n        agent = new Agent(bridge);\n    agent.addListener('shutdown', () => {\n        // If we received 'shutdown' from `agent`,\n        // we assume the `bridge` is already shutting down,\n        // and that caused the 'shutdown' event on the `agent`, so we\n        // don't need to call `bridge.shutdown()` here.\n        hook.emit('shutdown');\n    });\n\n    initBackend(hook, agent,\n        window);\n\n    // Setup React Native style editor if the environment supports it.\n    if (resolveRNStyle !== null ||\n        hook.resolveRNStyle !== null) {\n        setupNativeStyleEditor(\n            // $FlowFixMe[incompatible-call] found when\n            // upgrading Flow\n            bridge,\n            agent,\n            ((resolveRNStyle || hook.resolveRNStyle: any):\n                ResolveNativeStyle),\n            nativeStyleEditorValidAttributes ||\n            hook.nativeStyleEditorValidAttributes ||\n            null,\n        );\n    } else {\n        // Otherwise listen to detect if the environment later supports it.\n        // For example,\n        // Flipper does not eagerly inject these values.\n        // Instead it relies on the React Native Inspector to lazily inject\n        // them.\n        let lazyResolveRNStyle;\n        let lazyNativeStyleEditorValidAttributes;\n        const initAfterTick = ()\n            => {\n                if (bridge !== null) {\n                    setupNativeStyleEditor(\n                        bridge,\n                        agent,\n                        lazyResolveRNStyle,\n                        lazyNativeStyleEditorValidAttributes,\n                    );\n                }\n            };\n        if\n            (!hook.hasOwnProperty('resolveRNStyle')) {\n                Object.defineProperty(\n                    hook,\n                    'resolveRNStyle',\n                    ({\n                        enumerable: false,\n                        get() {\n                            return lazyResolveRNStyle;\n                        },\n                    }:\n                    Object),\n                );\n            }\n        if (!hook.hasOwnProperty('nativeStyleEditorValidAttributes')) {\n            Object.defineProperty(\n                hook,\n                'nativeStyleEditorValidAttributes',\n                ({\n                    enumerable:\n                    false,\n                    get() {\n                        return lazyNativeStyleEditorValidAttributes;\n                    },\n                    set(value:\n                    $FlowFixMe) {\n                        lazyNativeStyleEditorValidAttributes = value;\n                        initAfterTick();\n                    },\n                }:\n                Object),\n            );\n        }\n    }\n\n    function handleClose() {\n        if (__DEBUG__) {\n            debug('WebSocket.onclose');\n        }\n        if (bridge !== null) {\n            bridge.emit('shutdown');\n        }\n        scheduleRetry();\n    }\n\n    function handleFailed() {\n        if (__DEBUG__) {\n            debug('WebSocket.onerror');\n        }\n        scheduleRetry();\n    }\n\n    function handleMessage(event: MessageEvent) {\n        let data;\n        try {\n            if\n                (typeof event.data === 'string') {\n                    data = JSON.parse(event.data);\n                    if (__DEBUG__) {\n                        debug('WebSocket.onmessage', data);\n                    }\n                } else {\n                    throw Error();\n                }\n        } catch (e) {\n            console.error(\n                '[React DevTools] Failed to parse JSON: ' + (event.data: any),\n            );\n            return;\n        }\n        messageListeners.forEach(fn => {\n            try {\n                fn(data);\n            } catch (error) {\n                // jsc doesn't play so well\n                // with tracebacks that go into eval'd code,\n                // so the stack trace here will stop at the `eval()` call. Getting the\n

```


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1.638 locate-path 6.0.0

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1.639 espreess 7.3.1

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1.640 scheduler 0.19.1

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1.641 color-convert 1.9.3

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1.642 functions-have-names 1.2.3

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1.643 node-fetch 1.7.3

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1.644 mylib 0.0.0

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1.645 @babel/plugin-syntax-json-strings 7.8.3

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1.646 types-istanbul-reports 1.1.2

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1.647 tslib 1.14.1

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1.648 @babel/helpers 7.21.5

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1.649 stacktrace-parser 0.1.10

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1.650 @babel/plugin-proposal-optional-catch-binding 7.18.6

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1.651 pkg-dir 3.0.0

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1.652 @babel/plugin-transform-literals 7.18.9

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1.653 eslint-plugin-react-hooks 4.6.0

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1.654 has-value 0.3.1

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1.655 snapdragon-node 2.1.1

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1.656 estraverse 4.3.0

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1.657 arrify 1.0.1

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1.658 type-fest 0.6.0

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1.659 eslint 7.32.0

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1.660 shebang-regex 3.0.0

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1.661 to-regex-range 2.1.1

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1.662 babel-plugin-syntax-flow 7.21.4

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1.663 is-core-module 2.12.0

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1.664 types-istanbul-lib-report 3.0.0

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1.665 run-parallel 1.2.0

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1.666 @babel/plugin-proposal-object-rest-spread 7.20.7

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1.668 asap 2.0.6

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1.669 **minimist-options 4.1.0**

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1.670 **@babel/plugin-proposal-class-properties 7.18.6**

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1.671 cross-spawn 6.0.5

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1.673 repeat-string 1.6.1

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1.674 atob 2.1.2

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1.675 jest-source-map 24.9.0

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1.676 color-name 1.1.4

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1.677 @commitlint/rules 11.0.0

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1.678 supports-color 7.2.0

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1.679 define-property 1.0.0

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1.682 p-locate 5.0.0

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1.683 fsevents 1.2.13

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1.684 @humanwhocodes/object-schema 1.2.1

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1.685 unicode-match-property-value-ecmascript 2.1.0

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1.686 uuid 3.4.0

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```
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 * UUIDGen.java
 *
 * Created on 09.08.2003.
 *
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* UUID.java
*
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*
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 * MACAddressParserTest.java
 *
 * Created 30.01.2006.
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 * Hex.java
 *
 * Created 04.07.2003.
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1.687 stream-buffers 2.2.0

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1.688 prompts 2.4.2

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1.689 @babel/plugin-transform-arrow-functions 7.21.5

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1.690 encodeurl 1.0.2

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1.692 babel-preset-typescript 7.21.5

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1.693 @babel/plugin-syntax-object-rest-spread 7.8.3

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1.694 is-relative 1.0.0

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1.695 core-js 2.6.12

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1.696 ua-parser-js 0.7.35

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1.697 is-accessor-descriptor 1.0.0

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1.698 update-browserslist-db 1.0.11

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1.699 arr-diff 1.1.0

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1.700 rx-lite-aggregates 4.0.8

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1.701 array-reduce 0.0.0

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1.702 @commitlint/resolve-extends 11.0.0

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1.703 component-emitter 1.3.0

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1.704 mime-db 1.52.0

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1.705 kotlin 1.3.60-release-155

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1.714 wewidth 1.0.1

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wewidth.js: JavaScript Porting of Markus Kuhn's wewidth() Implementation

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Tests included here are based on build output generated by the six-speed benchmark suite.

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Written by: Philip Hazel
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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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1.723 es-shim-unscopables 1.0.0

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1.724 finalhandler 1.1.2

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1.725 require-from-string 2.0.2

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1.726 binutils 3.21.0

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1.727 pod-install 0.1.38

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1.729 inflight 1.0.6

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1.730 visual-studio-runtime 14.26.28720.3

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1.731 jest-message-util 24.9.0

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1.733 has-symbols 1.0.3

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1.734 micromatch 4.0.5

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1.736 is-descriptor 1.0.2

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1.737 @commitlint/top-level 11.0.0

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1.738 @babel/plugin-transform-exponentiation-operator 7.18.6

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1.739 accepts 1.3.8

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1.740 types-yargs 13.0.12

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1.741 spdx-exceptions 2.3.0

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- Feist Publications, Inc., v. Rural Telephone Service Co.,
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* /opt/cola/permits/1136088994_1613675065.5/0/spdx-exceptions-2-3-0-5-tgz/package/README.md

1.742 @types/parse-json 4.0.0

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1.744 eslint-config-prettier 6.15.0

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1.746 async 2.6.4

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1.747 @babel/plugin-syntax-class-static-block 7.14.5

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1.751 sprintf-js 1.0.3

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1.752 which-typed-array 1.1.9

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1.753 is-ci 2.0.0

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1.755 @babel/plugin-transform-unicode-regex 7.18.6

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1.756 git-raw-commits 2.0.11

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1.757 del 6.1.1

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1.758 internal-slot 1.0.5

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1.759 strip-json-comments 3.1.1

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1.760 js-tokens 4.0.0

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1.761 ob1 0.59.0

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* @flow strict-local
* @format
* @emails oncall+metro_bundler
*/

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* /opt/cola/permits/1662173196_1683107467.179341/0/ob1-0-59-0-1-tgz/package/src/__flowtests__/ob1-flowtest.js.flow

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*
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* @format
*/

'use strict';

/* eslint-disable no-redeclare */

// A type representing 0-based offsets.
export opaque type Number0 = number;
// A type representing 1-based offsets.
export opaque type Number1 = number;

// Add two offsets or numbers.
declare function add(a: Number1, b: number): Number1;
declare function add(a: number, b: Number1): Number1;
declare function add(a: Number0, b: number): Number0;
declare function add(a: number, b: Number0): Number0;
declare function add(a: Number1, b: Number0): Number1;
declare function add(a: Number0, b: Number1): Number1;
declare function add(a: Number0, b: Number0): Number0;

function add(a: number, b: number): number {
  return a + b;
}

// Subtract a number or 0-based offset from a 1/0-based offset.
declare function sub(a: Number1, b: number): Number1;
declare function sub(a: Number0, b: number): Number0;
declare function sub(a: number, b: Number0): Number0;
declare function sub(a: Number0, b: number): Number0;
declare function sub(a: Number1, b: Number0): Number1;
declare function sub(a: Number0, b: Number0): Number0;
declare function sub(a: Number1, b: Number1): Number0;

function sub(a: number, b: number): number {
  return a - b;
}

// Get the underlying number of a 0-based offset, casting away the opaque type.
declare function get0(x: Number0): number;
declare function get0(x: void | null): void | null;
function get0(x: number): number {
  return x;
}

```

```

// Get the underlying number of a 1-based offset, casting away the opaque type.
declare function get1(x: Number1): number;
declare function get1(x: void | null): void | null;
function get1(x: number): number {
  return x;
}

// Add 1 to a 0-based offset, thus converting it to 1-based.
function add1(x: Number0 | number): Number1 {
  return x + 1;
}

// Subtract 1 from a 1-based offset, thus converting it to 0-based.
function sub1(x: Number1): Number0 {
  return x - 1;
}

// Negate a 0-based offset.
function neg(x: Number0): Number0 {
  return -x;
}

// Cast a number to a 0-based offset.
function add0(x: number): Number0 {
  return x;
}

// Increment a 0-based offset.
declare function inc(a: Number0): Number0;
// Increment a 1-based offset.
declare function inc(a: Number1): Number1;

function inc(x: number): number {
  return x + 1;
}

module.exports = { add, get0, get1, add1, sub1, sub, neg, add0, inc };

Found in path(s):
* /opt/cola/permits/1662173196_1683107467.179341/0/ob1-0-59-0-1-tgz/package/src/ob1.js.flow

```

1.762 open 6.4.0

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1.764 locate-path 5.0.0

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1.765 yargs-parser 21.1.1

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1.766 metro-babel-register 0.59.0

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* @format

*/

Found in path(s):

* /opt/cola/permits/1662172887_1683104560.9165974/0/metro-babel-register-0-59-0-1-tgz/package/src/babel-register.js

1.767 micromatch 3.1.10

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1.768 react-animated 0.1.0

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1.769 es-set-tostringtag 2.0.1

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1.770 braces 2.3.2

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1.771 spdx-license-ids 3.0.13

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Installation

[Download JSON directly](<https://raw.githubusercontent.com/jslicense/spdx-license-ids/main/index.json>), or
[use](<https://docs.npmjs.com/cli/install>) [npm](<https://docs.npmjs.com/about-npm/>):

...

```
npm install spdx-license-ids
```

...

[Node.js](<https://nodejs.org/>) API

```
### require('spdx-license-ids')
```

Type: `string[]`

All license IDs except for the currently deprecated ones.

```
```javascript
```

```
const ids = require('spdx-license-ids');
```

```
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]
```

```
ids.includes('BSD-3-Clause'); //=> true
```

```
ids.includes('CC-BY-1.0'); //=> true
```

```
ids.includes('GPL-3.0'); //=> false
```

```
...
```

```
require('spdx-license-ids/deprecated')
```

Type: `string[]`

Deprecated license IDs.

```
```javascript
```

```
const deprecatedIds = require('spdx-license-ids/deprecated');
```

```
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]
```

```
deprecatedIds.includes('BSD-3-Clause'); //=> false
```

```
deprecatedIds.includes('CC-BY-1.0'); //=> false
```

```
deprecatedIds.includes('GPL-3.0'); //=> true
```

```
...
```

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1.772 yargs 15.4.1

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1.773 husky 6.0.0

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1.774 @babel/plugin-transform-typeof-symbol 7.18.9

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1.775 to-regexp-range 5.0.1

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1.776 ansi-colors 4.1.3

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1.777 jest-serializer 24.9.0

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1.778 typescript-eslint-experimental-utils

3.10.1

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1.779 glob 7.2.3

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1.780 error-stack-parser 2.1.4

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1.781 caniuse-lite 1.0.30001482

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1.782 babel-plugin-transform-typescript

7.21.3

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@angular/compiler@v12.2.16

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@babel/code-frame@v7.18.6

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@babel/parser@v7.21.3

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@iarna/toml@v2.2.5

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By: Rebecca Turner

Repository: <git+https://github.com/iarna/iarna-toml.git>

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acorn@v8.8.1

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array-union@v2.1.0

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bail@v1.0.5

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balanced-match@v1.0.2

License: MIT

By: Julian Gruber

Repository: <git://github.com/juliangruber/balanced-match.git>

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brace-expansion@v1.1.11

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Repository: <git://github.com/juliangruber/brace-expansion.git>

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braces@v3.0.2

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camelcase@v6.3.0

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ccount@v1.1.0

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character-entities@v1.2.4

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character-entities-legacy@v1.1.4

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character-reference-invalid@v1.1.4

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ci-info@v3.3.0

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By: Thomas Watson Steen

Repository: <<https://github.com/watson/ci-info.git>>

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clean-stack@v2.2.0

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clone@v1.0.4

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By: Paul Vorbach

Repository: <git://github.com/pvorb/node-clone.git>

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collapse-white-space@v1.0.6

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color-convert@v1.9.3

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color-name@v1.1.3

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By: DY

Repository: <git@github.com:dfcreative/color-name.git>

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comondir@v1.0.1

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By: James Halliday

Repository: <<http://github.com/substack/node-comondir.git>>

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concat-map@v0.0.1

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cosmiconfig@v7.0.1

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By: David Clark

Repository: <git+https://github.com/davidtheclark/cosmiconfig.git>

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cross-spawn@v7.0.3

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By: Andr Cruz
Repository: <git@github.com:moxystudio/node-cross-spawn.git>

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crypto-random-string@v4.0.0

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css-units-list@v1.1.0

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defaults@v1.0.4

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emoji-regex@v9.2.2

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file-entry-cache@v6.0.1

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find-cache-dir@v3.3.2

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find-parent-dir@v0.3.1

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By: Thorsten Lorenz

Repository: <[git://github.com/thlorenz/find-parent-dir.git](https://github.com/thlorenz/find-parent-dir.git)>

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find-up@v4.1.0

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flat-cache@v3.0.4

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flatted@v3.2.7

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flatten@v1.0.3

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By: Joshua Holbrook

Repository: <git+https://github.com/mk-pmb/flatten-js.git>

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flow-parser@v0.180.0

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fs.realpath@v1.0.0

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function-bind@v1.1.1

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get-stdin@v8.0.0

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get-stream@v6.0.1

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glob@v7.2.3

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By: Isaac Z. Schlueter

Repository: <git://github.com/isaacs/node-glob.git>

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glob-parent@v5.1.2

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graceful-fs@v4.2.10

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graphql@v15.6.1

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has@v1.0.3

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By: Thiago de Arruda

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html-element-attributes@v3.1.0

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html-tag-names@v2.0.1

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human-signals@v3.0.1

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ignore@v5.2.0

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By: kael

Repository: <git@github.com:kaelzhang/node-ignore.git>

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By: kael

Repository: <git@github.com:kaelzhang/node-ignore.git>

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import-fresh@v3.3.0

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indent-string@v4.0.0

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indexes-of@v1.0.1

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By: Dominic Tarr

Repository: <[git://github.com/dominictarr/indexes-of.git](https://github.com/dominictarr/indexes-of.git)>

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inflight@v1.0.6

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By: Isaac Z. Schlueter

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is-alphanumeric@v1.0.4

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is-arrayish@v0.2.1

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By: Qix

Repository: <<https://github.com/qix-/node-is-arrayish.git>>

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is-buffer@v2.0.5

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By: Feross Aboukhadijeh

Repository: <[git://github.com/feross/is-buffer.git](https://github.com/feross/is-buffer.git)>

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is-core-module@v2.11.0

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By: Jordan Harband

Repository: <git+https://github.com/inspect-js/is-core-module.git>

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is-word-character@v1.0.4

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isexe@v2.0.0

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jest-docblock@v28.1.1

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js-tokens@v4.0.0

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json-parse-even-better-errors@v2.3.1

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json5@v2.2.2

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lines-and-columns@v1.2.4

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By: Brian Donovan

Repository: <<https://github.com/eventualbuddha/lines-and-columns.git>>

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linguist-languages@v7.21.0

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locate-path@v5.0.0

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lru-cache@v4.1.5

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lru-cache@v6.0.0

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make-dir@v3.1.0

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map-age-cleaner@v0.1.3

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markdown-escapes@v1.0.4

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mem@v9.0.2

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merge-stream@v2.0.0

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meriyah@v4.2.1

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micromatch@v4.0.5

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mimic-fn@v4.0.0

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minimatch@v3.1.2

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minimist@v1.2.6

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n-readlines@v1.0.1

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npm-run-path@v5.1.0

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parse-entities@v2.0.0

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parse-srcset@v1.0.2

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By: Alex Bell

Repository: <git+https://github.com/albell/parse-srcset.git>

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path-exists@v4.0.0

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path-is-absolute@v1.0.1

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path-key@v3.1.1

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path-parse@v1.0.7

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Repository: <<https://github.com/jbgutierrez/path-parse.git>>

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path-type@v4.0.0

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please-upgrade-node@v3.2.0

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postcss@v7.0.39

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pseudomap@v1.0.2

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remark-footnotes@v2.0.0

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remark-parse@v8.0.3

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repeat-string@v1.6.1

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resolve@v1.22.1

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reusify@v1.0.4

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Repository: <git+https://github.com/mcollina/reusify.git>

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rimraf@v3.0.2

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rollup-plugin-node-polyfills@v0.2.1

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run-parallel@v1.2.0

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sdbm@v2.0.0

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semver@v6.3.0

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semver-compare@v1.0.0

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By: James Halliday

Repository: <git://github.com/substack/semver-compare.git>

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shebang-command@v2.0.0

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shebang-regex@v3.0.0

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sigmund@v1.0.1

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signal-exit@v3.0.7

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By: Ben Coe
Repository: <https://github.com/tapjs/signal-exit.git>

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simple-html-tokenizer@v0.5.11

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state-toggle@v1.0.3

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string-width@v5.0.1

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supports-color@v5.5.0

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temp-dir@v2.0.0

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to-regex-range@v5.0.1

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trim@v0.0.1

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trim-trailing-lines@v1.1.4

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wewidth@v1.0.1

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By: Tim Oxley

Repository: <git+<https://github.com/timoxley/wewidth.git>>

> wewidth.js: JavaScript Porting of Markus Kuhn's wewidth() Implementation

> =====

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> This package is a JavaScript porting of `wewidth()` implementation
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which@v2.0.2

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yallist@v2.1.2

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yaml@v1.10.2

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yaml-unist-parser@v1.3.1

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1.789 babel-plugin-transform-reserved-words

7.18.6

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1.790 @babel/plugin-syntax-export-default- from 7.18.6

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1.791 ultron 1.0.2

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1.792 opencollective-postinstall 2.0.3

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1.793 Iru-cache 4.1.5

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1.794 find-up 5.0.0

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1.795 hosted-git-info 4.1.0

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1.796 resolve-global 1.0.0

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1.797 for-each 0.3.3

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1.798 typescript-eslint-parser 3.10.1

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1.799 is-descriptor 0.1.6

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1.800 chardet 0.4.2

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1.801 color-support 1.1.3

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1.802 @babel/compat-data 7.21.7

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1.803 @types/react-native 0.62.13

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1.804 fs.realpath 1.0.0

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1.805 hapi-hoek 8.5.1

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1.806 @babel/helper-module-transforms

7.21.5

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1.807 compression 1.7.4

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1.808 capture-exit 2.0.0

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1.809 use-sync-external-store 1.2.0

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1.810 fill-range 7.0.1

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1.811 merge2 1.4.1

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1.812 to-fast-properties 2.0.0

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1.813 command-exists 1.2.9

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1.814 onetime 2.0.1

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1.815 time-stamp 1.1.0

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1.816 @babel/code-frame 7.12.11

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1.817 jdom 2.0.6

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/DefaultSAXHandlerFactory.java

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/LineSeparator.java

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- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/SAXBuilderEngine.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderJDOMFactory.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderSAX2Factory.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/stax/StAXFilter.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/StringBin.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/AbstractReaderXSDFactory.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/SAXEngine.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderSchemaFactory.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaders.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderXSDFactory.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/SAXHandlerFactory.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/stax/DefaultStAXFilter.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/AbstractReaderSchemaFactory.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/TextOnlyFilter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/PassThroughFilter.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/xalan/XalanXPathExpression.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/perf/PerfVerifier.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/android/TranslateTests.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/perf/DevNull.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/perf/PerfTest.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/perf/PerfDoc.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/xalan/XalanXPathFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/java/JavaXPathExpression.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/java/JavaXPathFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dtdaware/AttFilter.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/NameSpaceAware.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/JDOMConstants.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/Filters.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/ClassFilter.java
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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/SAXBuilder.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/EntityRef.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/AndFilter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/Format.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/CDATA.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/ContentFilter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/Text.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/DefaultJDOMFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/AttributeList.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/SAXOutputter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/OrFilter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/ProcessingInstruction.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JDOMXPath.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/Element.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/DOMBuilder.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/Document.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/Parent.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/AbstractFilter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/ElementFilter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/Comment.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/DescendantIterator.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/FilterIterator.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/JDOMParseException.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/NegateFilter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/SAXHandler.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/helpers/JDOMHelper.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/TextBuffer.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/XMLOutputter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/Attribute.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/XPathHelper.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/DocType.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/JDOMFactory.java
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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/BuilderErrorHandler.java

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/DOMOutputter.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/ContentList.java

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Found in path(s):

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/perf/SavingVerifier.java

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Found in path(s):

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestSerialization.java

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Found in path(s):

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/doc-files/TestIds.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestAttribute.java

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestElement.java

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Found in path(s):

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/transform/JDOMSource.java

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/transform/JDOMResult.java

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*/

/*

* =====

* Support methods for Text-content formatting. Should all be protected. The following are used when printing Text-based data. Because of complicated multi-sequential text sometimes the requirements are odd. All Text content will be output using these methods, which is why there is the None version.

* =====

*/

Found in path(s):

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractXMLOutputProcessor.java

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jar/org/jdom2/test/cases/TestCDATA.java

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Found in path(s):

- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/DataConversionException.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/adapters/DOMAdapter.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/IllegalDataException.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/Namespace.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/IllegalTargetException.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/adapters/JAXPDOMAdapter.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/Verifier.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/adapters/AbstractDOMAdapter.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/UncheckedJDOMFactory.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/Filter.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/StAXStreamProcessor.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/IllegalNameException.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/JDOMException.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/IllegalAddException.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/verifier/VerifierBuilder.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/JDOMLocator.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/WalkerPRESERVE.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedDocType.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedProcessingInstruction.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/Walker.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/WalkerTRIM_FULL_WHITE.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedCDATA.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/WalkerTRIM.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/Located.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedJDOMFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/WalkerNORMALIZE.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dtdaware/AttAwareXMLOutputProcessor.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dtdaware/AttFilteredXMLOutputProcessor.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedComment.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedEntityRef.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedElement.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedText.java

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Found in path(s):

- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestFilterList.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestDocType.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-

jar/org/jdom2/test/cases/TestVerifier.java

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Found in path(s):

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/transform/XSLTransformException.java

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Found in path(s):

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/input/TestSAXBuilder.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/transform/XSLTransformer.java

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- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/scanner/ElementListener.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/scanner/XPathMatcher.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-

jar/org/jdom2/contrib/ids/IdAttribute.java

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-

jar/org/jdom2/contrib/ids/IdDocument.java

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/IdElement.java

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-

jar/org/jdom2/contrib/input/scanner/JakartaRegExpXPathMatcher.java

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/IdFactory.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/LineNumberElement.java

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- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/XPathExpression.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JaxenCompiled.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JNamespaceAware.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JDOMCoreNavigator.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JElement.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/util/IteratorIterable.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JAttribute.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/xalan/NamespacePointer.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/XPathDiagnostic.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JParent.java

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JNodeList.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JNamespace.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JProcessingInstruction.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/util/AbstractXPathCompiled.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/xalan/JDOM2DTM.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/XPathFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JContent.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JSimpleCharacterContent.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/Wrapper.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JaxenXPathFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/xpath/AbstractTestXPathCompiled.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/XPathBuilder.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/internal/SystemProperty.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JDOM2Navigator.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/CloneBase.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JCDATA.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderJAXPFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/DOM.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JEntityRef.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/SlimJDOMFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JText.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/util/XPathDiagnosticImpl.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JNode.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JDocType.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JDOMConfiguration.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JDocument.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JSimpleContent.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JComment.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/stax/package-

info.java

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*/

Found in path(s):

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestComment.java

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestNamespace.java

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```
*/
/*
 * =====
 * Support methods for Text-content formatting. Should all be protected. The
 * following are used when printing Text-based data. Because of complicated
 * multi-sequential text sometimes the requirements are odd. All Text
 * content will be output using these methods, which is why there is the None
 * version.
 * =====
*/
```

Found in path(s):

```
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
jar/org/jdom2/output/support/AbstractOutputProcessor.java
```

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```
/*--
```

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Found in path(s):

- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/schema/ValidationError.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/schema/Schema.java

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Found in path(s):

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/internal/ReflectionConstructor.java

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/util/NamespaceStack.java

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/internal/ArrayCopy.java

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- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/StAXEventBuilder.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/NamespaceContainer.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JDOMNavigator.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/stax/DTDParser.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/package-info.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/StAXStreamBuilder.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/StAXStreamOutputter.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/AttributeType.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/AttributeFilter.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/StAXEventOutputter.java

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- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractStAXStreamProcessor.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/StAXEventProcessor.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/FormatStack.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/SAXOutputProcessor.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractDOMOutputProcessor.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractStAXEventProcessor.java
- * /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/XMLOutputProcessor.java

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*/

Found in path(s):

* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-

jar/org/jdom2/contrib/input/ResultSetBuilder.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
jar/org/jdom2/contrib/beans/TestBean.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
jar/org/jdom2/contrib/beans/JDOMBean.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
jar/org/jdom2/contrib/beans/TestIndexed.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
jar/org/jdom2/contrib/input/scanner/ElementScanner.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
jar/org/jdom2/contrib/beans/DateUtils.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
jar/org/jdom2/contrib/helpers/XPathHelper.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
jar/org/jdom2/contrib/output/JTreeOutputter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
jar/org/jdom2/contrib/beans/BeanMapperException.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
jar/org/jdom2/contrib/beans/StringConverter.java

1.818 resolve 1.22.2

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1.819 @babel/plugin-transform-react-jsx-self

7.21.0

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1.820 libcxx 8.0.7svn

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1.821 klaw 1.3.1

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1.822 regenerator-transform 0.15.1

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1.823 react-native-builder-bob 0.18.3

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1.824 get-stream 4.1.0

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1.825 @react-native-community/eslint-config

2.0.0

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Found in path(s):

* /opt/cola/permits/1662173044_1683107853.274725/0/eslint-config-2-0-0-1-tgz/package/index.js

1.826 emoji-regex 8.0.0

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1.827 typed-array-length 1.0.4

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1.828 semver 7.5.0

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1.829 @react-native-community/cli 4.14.0

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1.830 array-union 2.1.0

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1.831 jsonfile 2.4.0

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1.832 ansi-fragments 0.2.1

1.832.1 Available under license :

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Found in path(s):

* /opt/cola/permits/1234610760_1638277194.27/0/ansi-fragments-0-2-1-tgz/package/README.md

1.833 @babel/plugin-transform-react-jsx

7.21.5

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1.834 @babel/plugin-bugfix-v8-spread-parameters-in-optional-chaining 7.20.7

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1.835 temp 0.8.3

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1.836 jsc-android 245459.0.0

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1.837 acorn 7.4.1

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1.838 string-prototype-trimend 1.0.6

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1.839 dargs 7.0.0

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1.840 flatted 3.2.7

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1.841 annotations 13.0

1.842 pseudomap 1.0.2

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1.843 at-least-node 1.0.0

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1.844 arr-flatten 1.1.0

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1.845 wrap-ansi 5.1.0

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1.846 has-proto 1.0.1

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1.847 readable-stream 3.6.2

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1.848 @babel/code-frame 7.21.4

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1.849 iconv-lite 0.4.24

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1.850 toidentifier 1.0.1

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1.851 strip-final-newline 2.0.0

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1.852 get-stream 5.2.0

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1.853 @humanwhocodes/config-array 0.5.0

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1.854 is-unc-path 1.0.0

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1.855 @babel/plugin-syntax-async-generators 7.8.4

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1.856 @babel/plugin-transform-parameters

7.21.3

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1.857 ms 2.1.2

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1.858 path-key 3.1.1

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1.859 isomorphic-fetch 2.2.1

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isomorphic-fetch [![Build Status](https://travis-ci.org/matthew-andrews/isomorphic-fetch.svg?branch=master)](https://travis-ci.org/matthew-andrews/isomorphic-fetch)

=====

Fetch for node and Browserify. Built on top of [GitHub's WHATWG Fetch polyfill](https://github.com/github/fetch).

Warnings

- This adds `fetch` as a global so that its API is consistent between client and server.
- You must bring your own ES6 Promise compatible polyfill, I suggest [es6-promise](https://github.com/jakearchibald/es6-promise).

For [ease-of-maintenance and backward-compatibility reasons][why polyfill], this library will always be a polyfill. As a "safe" alternative, which does not modify the global, consider [fetch-ponyfill][].

[why polyfill]: <https://github.com/matthew-andrews/isomorphic-fetch/issues/31#issuecomment-149668361>

[fetch-ponyfill]: <https://github.com/qubyte/fetch-ponyfill>

Installation

NPM

```
```sh
npm install --save isomorphic-fetch es6-promise
```
```

Bower

```
```sh
bower install --save isomorphic-fetch es6-promise
```
```

Usage

```
```js
require('es6-promise').polyfill();
require('isomorphic-fetch');

fetch('//offline-news-api.herokuapp.com/stories')
.then(function(response) {
 if (response.status >= 400) {
 throw new Error("Bad response from server");
 }
 return response.json();
})
.then(function(stories) {
 console.log(stories);
});
```
```

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* /opt/cola/permits/1110639708_1606855463.93/0/fis-components-isomorphic-fetch-2-2-1-0-g4801b9c-1-tar-gz/fis-components-isomorphic-fetch-9599403/README.md

1.860 es-abstract 1.21.2

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1.861 @jridgewell/trace-mapping 0.3.18

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1.862 vary 1.1.2

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1.863 @babel/helper-function-name 7.21.0

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1.864 @babel/plugin-proposal-logical-assignment-operators 7.20.7

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1.865 is-obj 2.0.0

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1.866 define-property 2.0.2

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1.867 simple-plist 1.3.1

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1.868 object-inspect 1.12.3

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1.869 sane 4.1.0

1.869.1 Available under license :

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The CLI was originally based on the [watch CLI](<https://github.com/mikeal/watch>). Watch is licensed under the Apache License Version 2.0.

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1.870 tr46 0.0.3

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1.871 json-stream 1.3.5

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1.872 @babel/plugin-transform-spread 7.20.7

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1.873 fast-json-stable-stringify 2.1.0

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1.874 validate-npm-package-license 3.0.4

1.874.1 Available under license :

validate-npm-package-license

=====

Give me a string and I'll tell you if it's a valid npm package license string.

```
```javascript
var valid = require('validate-npm-package-license');
```
```

SPDX license identifiers are valid license strings:

```
```javascript

var assert = require('assert');
var validSPDXExpression = {
 validForNewPackages: true,
 validForOldPackages: true,
 spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
```
```

The function will return a warning and suggestion for nearly-correct license identifiers:

```
```javascript
assert.deepEqual(
 valid('Apache 2.0'),
 {
 validForOldPackages: false,
 validForNewPackages: false,
 warnings: [
 'license should be ' +

```

```

 'a valid SPDX license expression (without "LicenseRef"), ' +
 "'UNLICENSED', or ' +
 "'SEE LICENSE IN <filename>'",
 'license is similar to the valid expression "Apache-2.0"
]
}
);
```

```

SPDX expressions are valid, too ...

```

```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
 valid('(GPL-3.0-only OR BSD-2-Clause)'),
 validSPDXExpression
);
```

```

... except if they contain `LicenseRef`:

```

```javascript
var warningAboutLicenseRef = {
 validForOldPackages: false,
 validForNewPackages: false,
 spdx: true,
 warnings: [
 'license should be ' +
 'a valid SPDX license expression (without "LicenseRef"), ' +
 "'UNLICENSED', or ' +
 "'SEE LICENSE IN <filename>'",
]
};

assert.deepEqual(
 valid('LicenseRef-Made-Up'),
 warningAboutLicenseRef
);

assert.deepEqual(
 valid('(MIT OR LicenseRef-Made-Up)'),
 warningAboutLicenseRef
);
```

```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```
```javascript
assert.deepEqual(
 valid('SEE LICENSE IN LICENSE.txt'),
 {
 validForNewPackages: true,
 validForOldPackages: true,
 inFile: 'LICENSE.txt'
 }
);

assert.deepEqual(
 valid('SEE LICENSE IN license.md'),
 {
 validForNewPackages: true,
 validForOldPackages: true,
 inFile: 'license.md'
 }
);
```
```

If there aren't any licensing terms, use `UNLICENSED`:

```
```javascript
var unlicensed = {
 validForNewPackages: true,
 validForOldPackages: true,
 unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```
```

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1.875 @babel/helper-annotate-as-pure 7.18.6

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1.876 lodash-truncate 4.4.2

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1.877 @types/prop-types 15.7.5

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1.878 tmp1 1.0.5

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1.879 esquery 1.5.0

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1.880 highlightjs 10.7.3

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1.881 @babel/template 7.20.7

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1.883 is-number 3.0.0

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1.885 @babel/traverse 7.21.5

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1.886 object-assign 4.1.1

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1.888 fast-deep-equal 3.1.3

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1.889 get-caller-file 2.0.5

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1.890 stack-utils 1.0.5

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1.892 @babel/runtime 7.21.5

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1.893 @babel/plugin-transform-modules-umd

7.18.6

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1.894 get-intrinsic 1.2.0

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1.895 human-signals 1.1.1

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1.896 decamelize 1.2.0

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1.897 is-directory 0.3.1

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1.898 function.prototype.name 1.1.5

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1.899 metro-cache 0.59.0

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```
*
```

```
* @format
```

```
* @flow strict
```

```
*/
```

```
'use strict';
```

```
class HttpError extends Error {
```

```
  code: number;
```

```
  constructor(message: string, code: number) {
```

```
    super(message);
```

```
    this.code = code;
```

```
  }
```

```
}
```

```
module.exports = HttpError;
```

```
Found in path(s):
```

```
* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-
```

```
tgz/package/src/stores/HttpError.js.flow
```

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 *
 * @format
 * @flow
 */
```

Found in path(s):

```
* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-
tgz/package/src/stores/AutoCleanFileStore.js.flow
* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-
tgz/package/src/stores/HttpStore.js.flow
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Found in path(s):

```
* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-tgz/package/src/stores/FileStore.js
* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-
tgz/package/src/stores/AutoCleanFileStore.js
* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-tgz/package/src/stores/HttpStore.js
```

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 *
 * @flow
 * @format
 */
```

Found in path(s):

```
* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-tgz/package/src/Cache.js.flow
```

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 * @flow
 */
```

```
'use strict';
```

```
const fs = require('fs');
const mkdirp = require('mkdirp');
const path = require('path');
const rimraf = require('rimraf');
```

```
const NULL_BYTE = 0x00;
const NULL_BYTE_BUFFER = Buffer.from([NULL_BYTE]);
```

```
export type Options = {|
  root: string,
|};
```

```
class FileStore<T> {
  _root: string;
```

```
  constructor(options: Options) {
    this._root = options.root;
    this._createDirs();
  }
```

```
  get(key: Buffer): ?T {
    try {
      const data = fs.readFileSync(this._getFilePath(key));

      if (data[0] === NULL_BYTE) {
        return (data.slice(1): any);
      } else {
        return JSON.parse(data.toString('utf8'));
      }
    } catch (err) {
      if (err.code === 'ENOENT' || err instanceof SyntaxError) {
        return null;
      }
    }
  }
```



```

    throw err;
  }
}

set(key: Buffer, value: T): void {
  const filePath = this._getFilePath(key);
  try {
    this._set(filePath, value);
  } catch (err) {
    if (err.code === 'ENOENT') {
      mkdirp.sync(path.dirname(filePath));
      this._set(filePath, value);
    } else {
      throw err;
    }
  }
}

_set(filePath: string, value: T): void {
  if (value instanceof Buffer) {
    const fd = fs.openSync(filePath, 'w');

    fs.writeSync(fd, NULL_BYTE_BUFFER);
    fs.writeSync(fd, value);

    fs.closeSync(fd);
  } else {
    /* $FlowFixMe(>=0.95.0 site=react_native_fb) This comment suppresses an
     * error found when Flow v0.95 was deployed. To see the error, delete
     * this comment and run Flow. */
    fs.writeFileSync(filePath, JSON.stringify(value));
  }
}

clear() {
  this._removeDirs();
  this._createDirs();
}

_getFilePath(key: Buffer): string {
  return path.join(
    this._root,
    key.slice(0, 1).toString('hex'),
    key.slice(1).toString('hex'),
  );
}

_createDirs() {

```

```
for (let i = 0; i < 256; i++) {
  mkdirp.sync(path.join(this._root, ('0' + i.toString(16)).slice(-2)));
}
}
```

```
_removeDirs() {
  for (let i = 0; i < 256; i++) {
    rimraf.sync(path.join(this._root, ('0' + i.toString(16)).slice(-2)));
  }
}
}
```

```
module.exports = FileStore;
```

Found in path(s):

```
* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-
tgz/package/src/stores/FileStore.js.flow
```

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*
```

```
* @flow strict-local
```

```
* @format
```

```
*/
```

```
'use strict';
```

```
const canonicalize = require('metro-core/src/canonicalize');
```

```
const crypto = require('crypto');
```

```
function stableHash(value: mixed): Buffer {
```

```
  return (
```

```
    crypto
```

```
      .createHash('md4')
```

```
      /* $FlowFixMe(>=0.95.0 site=react_native_fb) This comment suppresses an
```

```
       * error found when Flow v0.95 was deployed. To see the error, delete this
```

```
       * comment and run Flow. */
```

```
      .update(JSON.stringify(value, canonicalize))
```

```
      .digest('buffer')
```

```
  );
```

```
}
```

```
module.exports = stableHash;
```

Found in path(s):

* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-tgz/package/src/stableHash.js.flow

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* strict

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* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-tgz/package/src/index.js

* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-tgz/package/src/stableHash.js

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* @flow strict

* @format

*/

'use strict';

export type CacheStore<T> = {

get(key: Buffer): ?T | Promise<?T>,

set(key: Buffer, value: T): void | Promise<void>,

```
clear(): void | Promise<void>,
```

```
...
```

```
};
```

Found in path(s):

* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-tgz/package/src/types.flow.js.flow

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```
*
```

```
* @format
```

```
* @flow strict
```

```
*/
```

```
'use strict';
```

```
class NetworkError extends Error {
```

```
  code: string;
```

```
  constructor(message: string, code: string) {
```

```
    super(message);
```

```
    this.code = code;
```

```
  }
```

```
}
```

```
module.exports = NetworkError;
```

Found in path(s):

* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-

tgz/package/src/stores/NetworkError.js.flow

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```
*
```

```
* @flow strict-local
```

```
* @format
```

```
*/
```

```
'use strict';
```

```
const AutoCleanFileStore = require('./stores/AutoCleanFileStore');
const Cache = require('./Cache');
const FileStore = require('./stores/FileStore');
const HttpStore = require('./stores/HttpStore');
```

```
const stableHash = require('./stableHash');
```

```
export type {Options as FileOptions} from './stores/FileStore';
export type {Options as HttpOptions} from './stores/HttpStore';
export type {CacheStore} from './types.flow';
```

```
module.exports.AutoCleanFileStore = AutoCleanFileStore;
module.exports.Cache = Cache;
module.exports.FileStore = FileStore;
module.exports.HttpStore = HttpStore;
```

```
module.exports.stableHash = stableHash;
```

Found in path(s):

* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-tgz/package/src/index.js.flow

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```
*
```

```
*
```

```
* @format
```

```
*/
```

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```
*
```

```
* @format
```

```
* strict
```

```
*/
```

Found in path(s):

* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-tgz/package/src/stores/HttpError.js
* /opt/cola/permits/1662172873_1683107846.7024436/0/metro-cache-0-59-0-1-tgz/package/src/stores/NetworkError.js

1.900 wrappy 1.0.2

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1.901 eslint-scope 5.1.1

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1.902 is-text-path 1.0.1

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1.903 colorette 1.4.0

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1.904 log-symbols 2.2.0

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1.905 has-values 1.0.0

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1.906 connect 3.7.0

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File: src/main/java/org/apache/commons/ssl/ASN1Util.java

Changes: Removing Bouncy Castle classes and linking to the JAR instead.

File: src/main/java/org/apache/commons/ssl/KeyStoreBuilder.java

Changes: Modifying the order in which keystore types are tested to more gracefully comply with the changes in JEP 229 present in Java 9+.

Replacing direct System.out calls with Logger calls.
Removing Bouncy Castle classes and linking to the JAR instead.

File: src/main/java/org/apache/commons/ssl/PKCS8Key.java

Changes: Removing Bouncy Castle classes and linking to the JAR instead.

File: src/main/java/org/apache/commons/ssl/TrustMaterial.java

Changes: Replacing direct printStackTrace calls with Logger calls.

Files: src/main/java/org/apache/commons/ssl/org/bouncycastle/*

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The PKCS12 key derivation function was also developed by Bouncy Castle (Look for the "pkcs12()" method inside PKCS8.java).

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(2)

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Jennifer Orr (JavaWorld) wrote: "You have permission to use the code appearing in

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The following files contain material that was copyrighted by SUN:

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com/lowagie/text/pdf/codec/PngImage.java (first appearance in iText: 2003-04-25)

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In a mail sent to Bruno Lowagie on January 23, 2008, Brian Burkhalter (@sun.com)

writes: "This code is under a BSD license and supersedes the older codec packages

on which your code is based. It also includes numerous fixes among them being the

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Note that numerous fixes were applied to the code used in iText by Paulo Soares, but apart from the fixes there were no essential changes between the code that was originally adapted and the code that is now available under the following license:

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FYI: Brian also added: "A bit of history might be in order.
The codec classes that you used originally were based on some

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As of Java SE 1.4 an official Image I/O framework was
added in javax.imageio.... This framework supports these formats:

Java 1.4: GIF (read only), JPEG, PNG

Java 1.5: Added support for BMP and WBMP

Java 1.6: Added support for writing GIF

The JAI Image I/O Tools packages (jai-imageio-core) were created
to support formats handled by JAI but not included in Java SE
as well as some new things like JPEG2000."

(4) the file com/lowagie/text/pdf/codecs/TIFFConstants
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Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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NEVER

Runtime

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win32/x86;linux/ppc64;linux/x86;mac/x86;mac/x64;mac/ppc;linux/x64;win32/x64;linux/ppc

b8w6vxsrc9hgb4m4e5gx5521clxzuz8j54xsgcu2g8kyo6065cf4dkw5359w4c6lrteyanrbqqkm5ca6

9971oq2l bv82ldi6fztbiic406o2qj572h6aq6cpivv93myjor98bgeory3fu8hyv0x2azdxjy1ybosk

Version: 3.x

Product: JNIWrapper

Product: JxBrowser

Version: 2.x

Licensed to:

License type: Runtime

License info: Not for development

Expiration date: NEVER

Generation date: 26-08-2010

Platforms: win32/x86;linux/x86;mac/x86;mac/x64;mac/ppc;linux/x64;win32/x64

Company: eviware software ab

SigB: 10adh72idjhnahax9wro9p4dmcrw48ryuib185hji9o4dv00tramvzxtvwyh722an4kqqbllo3ficy77

SigA: y5xzgq75bd5uqagrq0zygnzbfefh8758jhnd5e1ekppaar2m2879mmlk1nzzaoste7j8bifqkahlzmsdv

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Runtime

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win32/x86;win32/x64

qsnu8p4scx5jkpve90det7j8koqdlta080yqf2ve2wvev2ycpij05o79htz53h2rlb78hp8qyhfvolx3

5ugn50g047tv0c855yl5xhv75d41wgvki2h74tmjro33dqiv1buw8k7097bpd3jnwnaqea9mb8vhnokk

Version: 2.x

Product: JExplorer

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win32/x86;win32/x64

cjvzsd9upa7gakblwm3gfwxm0yi33qrxquape7sijv2vag6ps7nvcf60calz8s0rz316x0ujrbouudyi

rvmnudkr7bfraif2niqt05mj52b3mz1y68rps3l3ex7zk9uvwnq0tsyd588l02n0ycv3qaoxvikns8mk

Version: 2.x

Product: ComfyJ

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1.908 whatwg-fetch 3.6.2

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1.912 @babel/plugin-syntax-jsx 7.21.4

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1.914 @babel/plugin-syntax-dynamic-import

7.8.3

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1.915 @react-native-community/cli-hermes

4.13.0

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1.916 metro-minify-uglify 0.59.0

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'use strict';

const minifier = require('./minifier');

module.exports = minifier;

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1.917 shebang-command 2.0.0

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1.918 buffer-crc32 0.2.13

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1.920 arr-union 2.1.0

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1.921 babel-plugin-syntax-trailing-function-commas 7.0.0-beta.0

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1.922 @babel/plugin-proposal-export-default-from 7.18.10

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1.925 core-util-is 1.0.3

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1.927 source-map 0.7.4

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1.928 @types/normalize-package-data 2.4.1

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1.930 @babel/helper-module-imports 7.21.4

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1.932 fast-levenshtein 2.0.6

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1.933 compare-func 2.0.0

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1.934 bplist-parser 0.3.1

1.934.1 Available under license :

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```
# bplist-parser
```

Binary Mac OS X Plist (property list) parser.

```
## Installation
```

```
```bash
$ npm install bplist-parser
```
```

```
## Quick Examples
```

```
```javascript
const bplist = require('bplist-parser');

(async () => {

 const obj = await bplist.parseFile('myPlist.bplist');
```

```
console.log(JSON.stringify(obj));
```

```
})();
```
```

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Found in path(s):

* /opt/cola/permits/1415946703_1663142734.084764/0/bplist-parser-0-3-1-1-tgz/package/README.md

1.935 @babel/plugin-syntax-numeric-separator 7.10.4

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1.936 jetifier 2.0.0

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1.937 @babel/plugin-transform-computed-properties 7.21.5

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1.938 pirates 4.0.5

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1.939 json-schema-traverse 1.0.0

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1.940 sudo-prompt 9.2.1

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1.941 vlq 1.0.1

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1.942 picomatch 2.3.1

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1.943 @babel/plugin-syntax-private-property-in-object 7.14.5

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1.945 dayjs 1.11.7

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1.946 commander 2.20.3

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1.947 mimic-fn 1.2.0

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1.952 eslint-plugin-react-native-globals 0.1.2

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1.953 eslint-plugin-prettier 3.1.2

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1.954 ora 3.4.0

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1.956 Iodash 4.17.21

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1.957 yargs-parser 15.0.3

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1.958 decode-uri-component 0.2.2

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1.960 type-fest 0.7.1

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1.966 @babel/plugin-syntax-import-assertions 7.20.0

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Found in path(s):

```
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* /opt/cola/permits/1662172960_1683107438.8670177/0/hermes-engine-0-5-1-1-tgz/package/android/include/hermes/hermes.h  
* /opt/cola/permits/1662172960_1683107438.8670177/0/hermes-engine-0-5-1-1-tgz/package/android/include/hermes/SynthTrace.h  
* /opt/cola/permits/1662172960_1683107438.8670177/0/hermes-engine-0-5-1-1-tgz/package/android/include/hermes/DebuggerAPI.h  
* /opt/cola/permits/1662172960_1683107438.8670177/0/hermes-engine-0-5-1-1-tgz/package/android/include/hermes/hermes_tracing.h
```

* /opt/cola/permits/1662172960_1683107438.8670177/0/hermes-engine-0-5-1-1-tgz/package/android/include/hermes/Public/RuntimeConfig.h
* /opt/cola/permits/1662172960_1683107438.8670177/0/hermes-engine-0-5-1-1-tgz/package/android/include/hermes/Public/Buffer.h
* /opt/cola/permits/1662172960_1683107438.8670177/0/hermes-engine-0-5-1-1-tgz/package/android/include/hermes/Public/MemoryEventTracker.h
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1.968 ansi-wrap 0.1.0

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1.969 gson 2.8.0

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1.970 unicode-match-property-ecmascript 2.0.0

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1.971 yaml 1.10.2

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1.972 asm-commons 6.0

1.973 error-ex 1.3.2

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1.974 safer-buffer 2.1.2

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1.975 parse-json 5.2.0

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1.976 set-blocking 2.0.0

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1.977 @babel/helper-validator-identifier 7.19.1

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1.978 @jridgewell/gen-mapping 0.3.3

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1.979 yargs 14.2.3

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1.980 eslint-plugin-react-native 3.11.0

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1.981 has-values 0.1.4

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1.982 which-module 2.0.1

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1.983 metro-resolver 0.59.0

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```

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```
*
```

```
* @flow strict
```

```
* @format
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1662172946_1683108164.3734438/0/metro-resolver-0-59-0-1-tgz/package/src/FailedToResolvePathError.js.flow
```

```
* /opt/cola/permits/1662172946_1683108164.3734438/0/metro-resolver-0-59-0-1-tgz/package/src/InvalidPackageError.js.flow
```

* /opt/cola/permits/1662172946_1683108164.3734438/0/metro-resolver-0-59-0-1-tgz/package/src/formatFileCandidates.js.flow

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* strict-local

* @format

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* /opt/cola/permits/1662172946_1683108164.3734438/0/metro-resolver-0-59-0-1-tgz/package/src/types.js

* /opt/cola/permits/1662172946_1683108164.3734438/0/metro-resolver-0-59-0-1-tgz/package/src/FailedToResolveNameError.js

* /opt/cola/permits/1662172946_1683108164.3734438/0/metro-resolver-0-59-0-1-tgz/package/src/InvalidPackageError.js

* /opt/cola/permits/1662172946_1683108164.3734438/0/metro-resolver-0-59-0-1-tgz/package/src/FailedToResolvePathError.js

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* @flow strict

* @format

```

*/

'use strict';

export type Result<+TResolution, +TCandidates> =
  | {|+type: 'resolved', +resolution: TResolution|}
  | {|+type: 'failed', +candidates: TCandidates|};

export type Resolution = FileResolution | {|+type: 'empty'|};

export type AssetFileResolution = $ReadOnlyArray<string>;
export type FileResolution =
  | {|+type: 'sourceFile', +filePath: string|}
  | {|+type: 'assetFiles', +filePaths: AssetFileResolution|};

export type FileAndDirCandidates = {|
  +dir: FileCandidates,
  +file: FileCandidates,
|};

/**
 * This is a way to describe what files we tried to look for when resolving
 * a module name as file. This is mainly used for error reporting, so that
 * we can explain why we cannot resolve a module.
 */
export type FileCandidates =
  // We only tried to resolve a specific asset.
  | {|+type: 'asset', +name: string|}
  // We attempted to resolve a name as being a source file (ex. JavaScript,
  // JSON...), in which case there can be several extensions we tried, for
  // example `/js/foo.ios.js`, `/js/foo.js`, etc. for a single prefix '/js/foo'.
  | {|
    +type: 'sourceFile',
    filePathPrefix: string,
    +candidateExts: $ReadOnlyArray<string>,
  |};

/**
 * Check existence of a single file.
 */
export type DoesFileExist = (filePath: string) => boolean;
export type IsAssetFile = (fileName: string) => boolean;

/**
 * Given a directory path and the base asset name, return a list of all the
 * asset file names that match the given base name in that directory. Return
 * null if there's no such named asset. `platform` is used to identify
 * platform-specific assets, ex. `foo.ios.js` instead of a generic `foo.js`.

```

```

*/
export type ResolveAsset = (
  dirPath: string,
  assetName: string,
  extension: string,
) => ?$ReadOnlyArray<string>;

export type FileContext = {
  +doesFileExist: DoesFileExist,
  +isAssetFile: IsAssetFile,
  +preferNativePlatform: boolean,
  +redirectModulePath: (modulePath: string) => string | false,
  +resolveAsset: ResolveAsset,
  +sourceExts: $ReadOnlyArray<string>,
  ...
};

export type FileOrDirContext = FileContext & {
  /**
   * This should return the path of the "main" module of the specified
   * `package.json` file, after post-processing: for example, applying the
   * 'browser' field if necessary.
   *
   * * FIXME: move the post-processing here. Right now it is
   * located in `node-haste/Package.js`, and fully duplicated in
   * `ModuleGraph/node-haste/Package.js` (!)
   */
  +getPackageMainPath: (packageJsonPath: string) => string,
  ...
};

export type HasteContext = FileOrDirContext & {
  /**
   * Given a name, this should return the full path to the file that provides
   * a Haste module of that name. Ex. for `Foo` it may return `/smth/Foo.js`.
   */
  +resolveHasteModule: (name: string) => ?string,
  /**
   * Given a name, this should return the full path to the package manifest that
   * provides a Haste package of that name. Ex. for `Foo` it may return
   * `/smth/Foo/package.json`.
   */
  +resolveHastePackage: (name: string) => ?string,
  ...
};

export type ModulePathContext = FileOrDirContext & {
  /**

```



```
* Full path of the module that is requiring or importing the module to be
* resolved.
*/
+originModulePath: string,
...
};
```

```
export type ResolutionContext = ModulePathContext &
HasteContext & {
  allowHaste: boolean,
  extraNodeModules: ?{[string]: string, ...},
  originModulePath: string,
  resolveRequest?: ?CustomResolver,
  ...
};
```

```
export type CustomResolver = (
  ResolutionContext,
  string,
  string | null,
  string | null,
) => Resolution;
```

Found in path(s):

```
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 * @format
 */
```

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 *
 * @flow
```

```

* @format
*/

'use strict';

const FailedToResolveNameError = require('./FailedToResolveNameError');
const FailedToResolvePathError = require('./FailedToResolvePathError');
const InvalidPackageError = require('./InvalidPackageError');

const formatFileCandidates = require('./formatFileCandidates');
const isAbsolutePath = require('absolute-path');
const path = require('path');

import type {
  DoesFileExist,
  FileAndDirCandidates,
  FileCandidates,
  FileContext,
  FileOrDirContext,
  FileResolution,
  HasteContext,
  ModulePathContext,
  ResolutionContext,
  Resolution,
  Result,
} from './types';

function resolve(
  context: ResolutionContext,
  moduleName: string,
  platform: string | null,
): Resolution {
  const resolveRequest = context.resolveRequest;
  if (
    !resolveRequest &&
    (isRelativeImport(moduleName) || isAbsolutePath(moduleName))
  ) {
    return resolveModulePath(context, moduleName, platform);
  }

  const realModuleName = context.redirectModulePath(moduleName);

  // exclude
  if (realModuleName === false) {
    return {type: 'empty'};
  }

  const {originModulePath} = context;

```

```

const isDirectImport =
  isRelativeImport(realModuleName) || isAbsolutePath(realModuleName);

// We disable the direct file loading to let the custom resolvers deal with it
if (!resolveRequest && isDirectImport) {
  // derive absolute path ../../node_modules/originModuleDir/realModuleName
  const fromModuleParentIdx =
    originModulePath.lastIndexOf('node_modules' + path.sep) + 13;
  const originModuleDir = originModulePath.slice(
    0,
    originModulePath.indexOf(path.sep, fromModuleParentIdx),
  );
  const absPath = path.join(originModuleDir, realModuleName);
  return resolveModulePath(context, absPath, platform);
}

// The Haste resolution must occur before the custom resolver because we want
// to allow overriding imports. It could be part of the custom resolver, but
// that's not the case right now.
if (context.allowHaste && !isDirectImport) {
  const normalizedName = normalizePath(realModuleName);
  const result = resolveHasteName(context, normalizedName, platform);
  if (result.type === 'resolved') {
    return result.resolution;
  }
}

if (resolveRequest) {
  try {
    const resolution = resolveRequest(
      context,
      realModuleName,
      platform,
      moduleName,
    );
    if (resolution) {
      return resolution;
    }
  } catch (error) {}
}

const dirPaths = [];
for (
  let currDir = path.dirname(originModulePath);
  currDir !== '.' && currDir !== path.parse(originModulePath).root;
  currDir = path.dirname(currDir)
) {

```

```

    const searchPath = path.join(currDir, 'node_modules');
    dirPaths.push(path.join(searchPath, realModuleName));
  }

  const extraPaths = [];
  const { extraNodeModules } = context;
  if (extraNodeModules) {
    let bits = path.normalize(moduleName).split(path.sep);
    let packageName;
    // Normalize packageName and bits for scoped modules
    if (bits.length >= 2 && bits[0].startsWith('@')) {
      packageName = bits.slice(0, 2).join('/');
      bits = bits.slice(1);
    } else {
      packageName = bits[0];
    }
    if (extraNodeModules[packageName]) {
      bits[0] = extraNodeModules[packageName];
      extraPaths.push(path.join.apply(path, bits));
    }
  }

  const allDirPaths = dirPaths.concat(extraPaths);
  for (let i = 0; i < allDirPaths.length; ++i) {
    const realModuleName = context.redirectModulePath(allDirPaths[i]);
    const result = resolveFileOrDir(context, realModuleName, platform);
    if (result.type === 'resolved') {
      return result.resolution;
    }
  }
  throw new FailedToResolveNameError(dirPaths, extraPaths);
}

/**
 * Resolve any kind of module path, whether it's a file or a directory.
 * For example we may want to resolve './foobar'. The closest
 * `package.json` may define a redirection for this path, for example
 * `~/smth/lib/foobar`, that may be further resolved to
 * `~/smth/lib/foobar/index.ios.js`.
 */
function resolveModulePath(
  context: ModulePathContext,
  toModuleName: string,
  platform: string | null,
): Resolution {
  const modulePath = isAbsolutePath(toModuleName)
    ? resolveWindowsPath(toModuleName)
    : path.join(path.dirname(context.originModulePath), toModuleName);

```

```

const redirectedPath = context.redirectModulePath(modulePath);
if (redirectedPath === false) {
  return {type: 'empty'};
}
const result = resolveFileOrDir(context, redirectedPath, platform);
if (result.type === 'resolved') {
  return result.resolution;
}
throw new FailedToResolvePathError(result.candidates);
}

/**
 * Resolve a module as a Haste module or package. For example we might try to
 * resolve `Foo`, that is provided by file `/smth/Foo.js`. Or, in the case of
 * a Haste package, it could be `/smth/Foo/index.js`.
 */
function resolveHasteName(
  context: HasteContext,
  moduleName: string,
  platform: string | null,
): Result<FileResolution, void> {
  const modulePath = context.resolveHasteModule(moduleName);
  if (modulePath != null) {
    return resolvedAs({type: 'sourceFile', filePath: modulePath});
  }
  let packageName = moduleName;
  let packageJsonPath = context.resolveHastePackage(packageName);
  while (packageJsonPath == null && packageName && packageName !== '.') {
    packageName = path.dirname(packageName);
    packageJsonPath = context.resolveHastePackage(packageName);
  }
  if (packageJsonPath == null) {
    return failedFor();
  }
  const packageDirPath = path.dirname(packageJsonPath);
  const pathInModule = moduleName.substring(packageName.length + 1);
  const potentialModulePath = path.join(packageDirPath, pathInModule);
  const result = resolveFileOrDir(context, potentialModulePath, platform);
  if (result.type === 'resolved') {
    return result;
  }
  const {candidates} = result;
  const opts = {moduleName, packageName, pathInModule, candidates};
  throw new MissingFileInHastePackageError(opts);
}

class MissingFileInHastePackageError extends Error {
  candidates: FileAndDirCandidates;
}

```

```

moduleName: string;
packageName: string;
pathInModule: string;

constructor(opts: {
  +candidates: FileAndDirCandidates,
  +moduleName: string,
  +packageName: string,
  +pathInModule: string,
}) {
  super(
    `While resolving module \`${opts.moduleName}\`, ` +
    `the Haste package \`${opts.packageName}\` was found. However the ` +
    `module \`${opts.pathInModule}\` could not be found within ` +
    `the package. Indeed, none of these files exist:\n\n` +
    ` * \`${formatFileCandidates(opts.candidates.file)}\`\n` +
    ` * \`${formatFileCandidates(opts.candidates.dir)}\`\`,
  );
  Object.assign(this, opts);
}
}

/**
 * In the NodeJS-style module resolution scheme we want to check potential
 * paths both as directories and as files. For example, `foo/bar` may resolve
 * to `foo/bar.js` (preferred), but it might also be `foo/bar/index.js`, or
 * even a package directory.
 */
function resolveFileOrDir(
  context: FileOrDirContext,
  potentialModulePath: string,
  platform: string | null,
): Result<FileResolution, FileAndDirCandidates> {
  const dirPath = path.dirname(potentialModulePath);
  const fileNameHint = path.basename(potentialModulePath);
  const fileResult = resolveFile(context, dirPath, fileNameHint, platform);
  if (fileResult.type === 'resolved') {
    return fileResult;
  }
  const dirResult = resolveDir(context, potentialModulePath, platform);
  if (dirResult.type === 'resolved') {
    return dirResult;
  }
  return failedFor({file: fileResult.candidates, dir: dirResult.candidates});
}

/**
 * Try to resolve a potential path as if it was a directory-based module.

```

* Either this is a directory that contains a package, or that the directory
* contains an index file. If it fails to resolve these options, it returns
* `null` and fills the array of `candidates` that were tried.

*

* For example we could try to resolve `/foo/bar`, that would eventually
* resolve to `/foo/bar/lib/index.ios.js` if we're on platform iOS and that
* `bar` contains a package which entry point is `/lib/index` (or `/lib`).

*/

```
function resolveDir(
  context: FileOrDirContext,
  potentialDirPath: string,
  platform: string | null,
): Result<FileResolution, FileCandidates> {
  const packageJsonPath = path.join(potentialDirPath, 'package.json');
  if (context.isFileExists(packageJsonPath)) {
    const resolution = resolvePackage(context, packageJsonPath, platform);
    return {resolution, type: 'resolved'};
  }
  return resolveFile(context, potentialDirPath, 'index', platform);
}
```

/**

* Resolve the main module of a package that we know exist. The resolution
* itself cannot fail because we already resolved the path to the package.
* If the `main` of the package is invalid, this is not a resolution failure,
* this means the package is invalid, and should purposefully stop the
* resolution process altogether.

*/

```
function resolvePackage(
  context: FileOrDirContext,
  packageJsonPath: string,
  platform: string | null,
): FileResolution {
  const mainPrefixPath = context.getPackageMainPath(packageJsonPath);
  const dirPath = path.dirname(mainPrefixPath);
  const prefixName = path.basename(mainPrefixPath);
  const fileResult = resolveFile(context, dirPath, prefixName, platform);
  if (fileResult.type === 'resolved') {
    return fileResult.resolution;
  }
  const indexResult = resolveFile(context, mainPrefixPath, 'index', platform);
  if (indexResult.type === 'resolved') {
    return indexResult.resolution;
  }
  throw new InvalidPackageError({
    packageJsonPath,
    mainPrefixPath,
    indexCandidates: indexResult.candidates,
  });
}
```

```

    fileCandidates: fileResult.candidates,
  });
}

/**
 * Given a file name for a particular directory, return a resolution result
 * depending on whether or not we found the corresponding module as a file. For
 * example, we might ask for `foo.png`, that resolves to
 * `['/js/beep/foo.ios.png']`. Or we may ask for `boop`, that resolves to
 * `'/js/boop.android.ts`. On the other hand this function does not resolve
 * directory-based module names: for example `boop` will not resolve to
 * `'/js/boop/index.js` (see `_loadAsDir` for that).
 */
function resolveFile(
  context: FileContext,
  dirPath: string,
  fileName: string,
  platform: string | null,
): Result<FileResolution, FileCandidates> {
  const {isAssetFile, resolveAsset} = context;
  if (isAssetFile(fileName)) {
    const extension = path.extname(fileName);
    const basename = path.basename(fileName, extension);
    if (!/@\d+(?:\.\d+)?x$/.test(basename)) {
      try {
        const assets = resolveAsset(dirPath, basename, extension);
        if (assets != null) {
          return mapResult(resolvedAs(assets), filePaths => ({
            type: 'assetFiles',
            filePaths,
          }));
        }
      } catch (err) {
        if (err.code === 'ENOENT') {
          return failedFor({type: 'asset', name: fileName});
        }
      }
    }
    return failedFor({type: 'asset', name: fileName});
  }
  const candidateExts = [];
  const filePathPrefix = path.join(dirPath, fileName);
  const sfContext = {...context, candidateExts, filePathPrefix};
  const filePath = resolveSourceFile(sfContext, platform);
  if (filePath != null) {
    return resolvedAs({type: 'sourceFile', filePath});
  }
  return failedFor({type: 'sourceFile', filePathPrefix, candidateExts});
}

```



```

}

type SourceFileContext = SourceFileForAllExtsContext & {
  +sourceExts: $ReadOnlyArray<string>,
  ...
};

/**
 * A particular 'base path' can resolve to a number of possibilities depending
 * on the context. For example `foo/bar` could resolve to `foo/bar.ios.js`, or
 * to `foo/bar.js`. It can also resolve to the bare path `foo/bar` itself, as
 * supported by Node.js resolution. On the other hand it doesn't support
 * `foo/bar.ios`, for historical reasons.
 *
 * Return the full path of the resolved module, `null` if no resolution could
 * be found.
 */
function resolveSourceFile(
  context: SourceFileContext,
  platform: ?string,
): ?string {
  let filePath = resolveSourceFileForAllExts(context, "");
  if (filePath) {
    return filePath;
  }
  const {sourceExts} = context;
  for (let i = 0; i < sourceExts.length; i++) {
    const ext = `.${sourceExts[i]}`;
    filePath = resolveSourceFileForAllExts(context, ext, platform);
    if (filePath != null) {
      return filePath;
    }
  }
  return null;
}

type SourceFileForAllExtsContext = SourceFileForExtContext & {
  +preferNativePlatform: boolean,
  ...
};

/**
 * For a particular extension, ex. `js`, we want to try a few possibilities,
 * such as `foo.ios.js`, `foo.native.js`, and of course `foo.js`. Return the
 * full path of the resolved module, `null` if no resolution could be found.
 */
function resolveSourceFileForAllExts(
  context: SourceFileForAllExtsContext,

```

```

sourceExt: string,
platform: ?string,
): ?string {
  if (platform != null) {
    const ext = `.${platform}${sourceExt}`;
    const filePath = resolveSourceFileForExt(context, ext);
    if (filePath) {
      return filePath;
    }
  }
  if (context.preferNativePlatform) {
    const filePath = resolveSourceFileForExt(context, `.native${sourceExt}`);
    if (filePath) {
      return filePath;
    }
  }
  const filePath = resolveSourceFileForExt(context, sourceExt);
  return filePath;
}

type SourceFileForExtContext = {
  +candidateExts: Array<string>,
  +doesFileExist: DoesFileExist,
  +filePathPrefix: string,
  ...
};

/**
 * We try to resolve a single possible extension. If it doesn't exist, then
 * we make sure to add the extension to a list of candidates for reporting.
 */
function resolveSourceFileForExt(
  context: SourceFileForExtContext,
  extension: string,
): ?string {
  const filePath = `${context.filePathPrefix}${extension}`;
  if (context.doesFileExist(filePath)) {
    return filePath;
  }
  context.candidateExts.push(extension);
  return null;
}

// HasteFS stores paths with backslashes on Windows, this ensures the path is in
// the proper format. Will also add drive letter if not present so `/root` will
// resolve to `C:\root`. Noop on other platforms.
function resolveWindowsPath(modulePath) {
  if (path.sep !== '\\') {

```

```

    return modulePath;
  }
  return path.resolve(modulePath);
}

function isRelativeImport(filePath: string) {
  return /^[.][.](?:[/])?/.test(filePath);
}

function normalizePath(modulePath) {
  if (path.sep === '/') {
    modulePath = path.normalize(modulePath);
  } else if (path.posix) {
    modulePath = path.posix.normalize(modulePath);
  }

  return modulePath.replace(/\/$/, "");
}

function resolvedAs<TResolution, TCandidates>(
  resolution: TResolution,
): Result<TResolution, TCandidates> {
  return {type: 'resolved', resolution};
}

function failedFor<TResolution, TCandidates>(
  candidates: TCandidates,
): Result<TResolution, TCandidates> {
  return {type: 'failed', candidates};
}

function mapResult<TResolution, TNewResolution, TCandidates>(
  result: Result<TResolution, TCandidates>,
  mapper: TResolution => TNewResolution,
): Result<TNewResolution, TCandidates> {
  if (result.type === 'failed') {
    return result;
  }
  return {type: 'resolved', resolution: mapper(result.resolution)};
}

module.exports = resolve;

Found in path(s):
* /opt/cola/permits/1662172946_1683108164.3734438/0/metro-resolver-0-59-0-1-tgz/package/src/resolve.js.flow
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/**

```

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*

* @flow strict-local

* @format

*/

'use strict';

```
export type {
  AssetFileResolution,
  CustomResolver,
  DoesFileExist,
  FileAndDirCandidates,
  FileCandidates,
  FileResolution,
  IsAssetFile,
  ResolutionContext,
  Resolution,
  ResolveAsset,
  Result,
} from './types';
```

```
const Resolver = {
  FailedToResolveNameError: require('./FailedToResolveNameError'),
  FailedToResolvePathError: require('./FailedToResolvePathError'),
  formatFileCandidates: require('./formatFileCandidates'),
  InvalidPackageError: require('./InvalidPackageError'),
  resolve: require('./resolve'),
};
```

```
module.exports = Resolver;
```

Found in path(s):

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*

* @flow strict

* @format

*/

```

'use strict';

const path = require('path');

class FailedToResolveNameError extends Error {
  dirPaths: $ReadOnlyArray<string>;
  extraPaths: $ReadOnlyArray<string>;

  constructor(
    dirPaths: $ReadOnlyArray<string>,
    extraPaths: $ReadOnlyArray<string>,
  ) {
    const displayDirPaths = dirPaths.concat(extraPaths);
    const hint = displayDirPaths.length ? ' or in these directories: ' : '';
    super(
      `Module does not exist in the Haste module map${hint}\n` +
        displayDirPaths
          .map(dirPath => ` ${path.dirname(dirPath)}\n`)
          .join(', ') +
        '\n',
    );

    this.dirPaths = dirPaths;
    this.extraPaths = extraPaths;
  }
}

module.exports = FailedToResolveNameError;

Found in path(s):
* /opt/cola/permits/1662172946_1683108164.3734438/0/metro-resolver-0-59-0-1-
tgz/package/src/FailedToResolveNameError.js.flow

```

1.984 @babel/helper-member-expression-to-functions 7.21.5

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1.985 commitlint 11.0.0

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1.986 pify 4.0.1

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1.987 esrecurse 4.3.0

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```

```
* /opt/cola/permits/1162566273_1620862144.53/0/estools-esrecurse-v4-3-0-0-g8ceb637-1-tar-gz/estools-esrecurse-f285b57/gulpfile.babel.js
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1.988 trim-newlines 3.0.1

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1.989 execa 1.0.0

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1.990 text-extensions 1.9.0

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1.991 @types/minimist 1.2.2

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1.992 snapdragon-util 3.0.1

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